

Luminaire

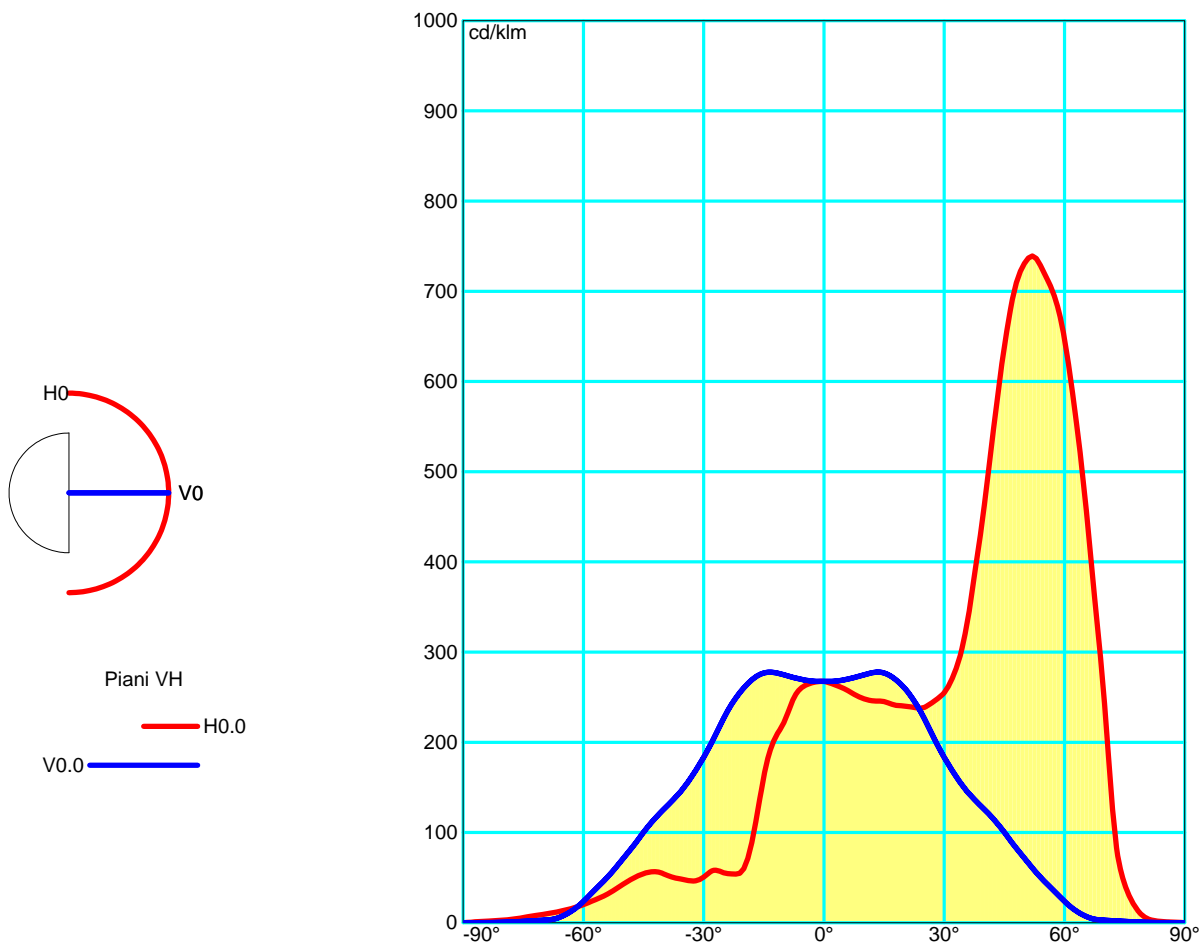
Code 217231.140
Name START AS MH-T 400W

Measur.

Code CL2303/09-20A
Name EVOLUTION AS SHP-T 400W

Luminaire Flux	30534.24 lm	Luminaire Power	420.00 W	Efficacy	72.70 lm/W	Efficiency	76.34%
Lamps Flux	40000.00 lm	Maximum value	763.37 cd/klm	Position	H=13.00 V=52.50	VH	VH symm in H0
Rectangular Luminaire		Length	569 mm	Width	330 mm	Height	178 mm
Rectangular Luminous Area		Length	569 mm	Width	330 mm	Height	178 mm
Horizontal Luminous Area		0.187770 m2		Emitting area on Plane 180°		0.101282 m2	
Emitting area on Plane 0°		0.101282 m2		Emitting area on Plane 270°		0.058740 m2	
Emitting area on Plane 90°		0.058740 m2		Glare area at 76°		0.143699 m2	
Coordinate system		VH		Symmetry Type		VH symm in H0	
Date		06-02-2009		Beam Type		Diffuse	
Measurement Distance		0.00		Measurement Flux		48000.00 lm	
Operator		CLUCE		Source Voltage [V]			
Temperature				Source current [A]			
Humidity				Photocell			
Notes		1 * NAVT400 = 48000 lm					

Line	Code	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
OSRAM ILCOS MD,MT,ME,MC	HQI-T 400/N	Name	POWERSTAR® HQI-T 400/N E40	40000.00	420.00	1



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Luminaire Flux		30534.24 lm		Luminaire Power		420.00 W		Efficacy		72.70 lm/W		Efficiency		76.34%	
Lamps Flux		40000.00 lm		Maximum value		763.37 cd/klm		Position		H=13.00 V=52.50		VH		VH symm in H0	
Luminous Intensity Table cd/klm														Table 1/7	
	H 0.00	H 1.00	H 2.00	H 3.00	H 4.00	H 5.00	H 6.00	H 7.00	H 8.00	H 9.00	H 10.00	H 11.00	H 12.00		
V-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V-87.5	0.77	0.78	0.79	0.79	0.79	0.79	0.79	0.78	0.78	0.77	0.77	0.76	0.75	0.75	0.75
V-85.0	1.81	1.81	1.80	1.80	1.80	1.80	1.79	1.79	1.78	1.77	1.76	1.75	1.74	1.74	1.74
V-82.5	2.02	2.04	2.04	2.05	2.05	2.05	2.06	2.06	2.06	2.06	2.06	2.06	2.05	2.05	2.05
V-80.0	2.64	2.65	2.66	2.67	2.68	2.70	2.71	2.73	2.75	2.76	2.76	2.76	2.75	2.75	2.75
V-77.5	4.05	4.09	4.11	4.13	4.15	4.17	4.20	4.22	4.23	4.23	4.22	4.19	4.15	4.15	4.15
V-75.0	5.90	5.93	5.96	5.98	6.01	6.04	6.06	6.08	6.09	6.09	6.06	6.00	5.92	5.92	5.92
V-72.5	7.68	7.70	7.72	7.74	7.77	7.80	7.83	7.86	7.87	7.87	7.84	7.78	7.68	7.68	7.68
V-70.0	9.29	9.31	9.33	9.35	9.38	9.41	9.45	9.49	9.53	9.55	9.54	9.50	9.43	9.43	9.43
V-67.5	11.17	11.20	11.22	11.24	11.26	11.29	11.33	11.38	11.41	11.44	11.44	11.42	11.36	11.36	11.36
V-65.0	13.44	13.48	13.51	13.54	13.58	13.63	13.68	13.73	13.77	13.80	13.81	13.79	13.73	13.73	13.73
V-62.5	16.33	16.37	16.38	16.39	16.42	16.46	16.51	16.57	16.62	16.66	16.68	16.66	16.60	16.60	16.60
V-60.0	20.02	20.04	20.06	20.08	20.11	20.16	20.22	20.28	20.34	20.38	20.40	20.38	20.29	20.29	20.29
V-57.5	24.66	24.68	24.69	24.71	24.73	24.78	24.84	24.92	25.01	25.09	25.15	25.15	25.08	25.08	25.08
V-55.0	29.52	29.58	29.63	29.68	29.75	29.83	29.94	30.06	30.21	30.37	30.51	30.59	30.57	30.57	30.57
V-52.5	35.63	35.77	35.87	35.96	36.06	36.18	36.33	36.49	36.67	36.87	37.06	37.20	37.24	37.24	37.24
V-50.0	42.98	43.06	43.13	43.22	43.35	43.54	43.78	44.03	44.30	44.56	44.79	44.99	45.12	45.12	45.12
V-47.5	49.55	49.60	49.70	49.83	50.05	50.36	50.73	51.15	51.58	51.93	52.26	52.57	52.86	52.86	52.86
V-45.0	54.23	54.36	54.48	54.63	54.83	55.08	55.38	55.71	56.04	56.38	56.70	57.01	57.24	57.24	57.24
V-42.5	56.75	56.65	56.69	56.77	56.92	57.13	57.41	57.76	58.05	58.31	58.57	58.83	59.05	59.05	59.05
V-40.0	54.13	54.23	54.35	54.46	54.57	54.69	54.86	55.12	55.44	55.79	56.12	56.36	56.51	56.51	56.51
V-37.5	50.11	50.30	50.46	50.62	50.76	50.90	51.07	51.31	51.64	51.99	52.33	52.62	52.85	52.85	52.85
V-35.0	47.83	47.94	48.06	48.21	48.37	48.56	48.80	49.10	49.44	49.78	50.10	50.40	50.66	50.66	50.66
V-32.5	46.20	46.51	46.68	46.86	47.05	47.24	47.44	47.83	48.26	48.66	48.96	49.26	49.60	49.60	49.60
V-30.0	50.51	50.63	50.79	51.06	51.43	51.77	52.01	52.23	52.56	53.14	53.70	54.11	54.47	54.47	54.47
V-27.5	58.11	57.77	57.74	58.04	58.53	59.04	59.28	59.41	59.81	60.49	61.09	61.42	61.93	61.93	61.93
V-25.0	55.39	55.54	55.76	56.09	56.50	56.90	57.27	57.66	58.17	58.77	59.30	59.77	60.18	60.18	60.18
V-22.5	53.98	54.18	54.41	54.69	54.99	55.26	55.71	56.23	56.73	57.19	57.77	58.29	58.75	58.75	58.75
V-20.0	59.89	60.28	60.80	61.56	62.27	62.67	62.61	62.93	63.81	63.89	64.62	65.16	65.44	65.44	65.44
V-17.5	99.84	101.05	101.14	101.05	100.86	101.54	102.34	102.52	103.07	103.79	104.04	104.79	104.90	104.90	104.90
V-15.0	162.12	162.20	161.87	161.60	161.60	162.28	162.78	162.62	163.45	163.39	164.04	163.82	164.31	164.31	164.31
V-12.5	201.88	200.90	200.89	201.25	201.29	201.20	201.76	201.95	202.54	202.97	203.83	203.90	204.18	204.18	204.18
V-10.0	221.70	221.98	222.47	222.92	223.06	223.37	224.18	224.75	225.53	226.35	226.94	227.73	228.39	228.39	228.39
V -7.5	249.10	248.63	249.10	249.85	249.92	250.93	251.15	251.81	252.46	252.81	253.26	253.79	254.26	254.26	254.26
V -5.0	262.21	262.76	263.31	264.38	265.44	266.82	267.56	268.26	268.90	269.44	269.94	270.38	270.75	270.75	270.75
V -2.5	266.44	266.86	267.37	268.20	269.34	270.44	271.47	272.44	273.36	274.21	275.00	275.70	276.21	276.21	276.21
V 0.0	267.46	267.47	267.59	267.92	268.50	269.27	270.19	271.22	272.30	273.43	274.66	275.99	277.15	277.15	277.15
V 2.5	264.05	264.40	264.76	265.22	265.83	266.61	267.65	268.80	269.86	270.81	271.71	272.60	273.40	273.40	273.40
V 5.0	259.63	259.97	260.29	260.95	261.78	262.69	263.84	265.05	266.33	267.60	268.81	269.82	270.72	270.72	270.72
V 7.5	253.26	253.56	253.77	254.39	255.45	256.40	257.61	258.79	260.13	261.77	263.24	264.41	265.41	265.41	265.41
V 10.0	248.21	248.47	248.80	249.51	250.60	251.77	253.03	254.31	255.61	256.94	258.23	259.10	259.85	259.85	259.85
V 12.5	245.80	246.24	246.56	247.03	247.67	248.55	249.65	250.90	251.99	253.00	253.87	254.64	255.25	255.25	255.25
V 15.0	245.19	245.34	245.46	245.67	246.07	246.71	247.65	248.68	249.83	250.75	251.67	252.00	252.24	252.24	252.24
V 17.5	241.44	241.71	241.86	242.12	242.62	243.33	244.04	244.68	245.36	246.08	246.66	247.18	247.45	247.45	247.45
V 20.0	240.29	240.33	240.45	240.70	241.10	241.60	242.18	242.74	243.21	243.61	243.89	244.08	244.20	244.20	244.20
V 22.5	238.57	238.66	238.77	238.93	239.20	239.61	240.25	240.96	241.62	242.24	242.73	243.09	243.22	243.22	243.22
V 25.0	238.58	238.77	239.05	239.43	239.95	240.60	241.33	242.04	242.78	243.42	243.85	244.18	244.43	244.43	244.43
V 27.5	245.72	245.75	245.91	246.16	246.50	246.93	247.43	247.90	248.25	248.47	248.66	248.81	248.70	248.70	248.70
V 30.0	254.91	255.28	255.75	256.23	256.65	257.05	257.42	257.74	257.96	258.38	258.68	258.77	258.77	258.77	258.77
V 32.5	276.01	276.34	276.77	277.17	277.44	277.72	278.07	278.37	278.78	279.48	279.74	279.69	279.70	279.70	279.70
V 35.0	314.71	314.82	315.40	316.29	317.33	318.33	319.07	319.38	319.35	319.09	319.83	320.28	320.20	320.20	320.20
V 37.5	382.71	382.87	383.36	384.12	384.92	385.66	386.27	386.87	387.61	388.18	388.49	388.20	388.20	388.20	388.20
V 40.0	463.09	463.37	464.41	466.30	467.93	469.60	471.19	472.56	473.64	474.38	474.76	475.04	474.78	474.78	474.78
V 42.5	555.06	555.07	555.92	557.29	559.11	561.25	563.54	565.81	567.86	569.60	570.90	571.57	571.54	571.54	571.54
V 45.0	638.34	639.05	640.27	641.98	644.22	646.91	649.87	652.91	655.87	658.51	660.59	661.64	661.16	661.16	661.16
V 47.5	701.06	701.06	702.24	703.95	706.33	709.39	712.86	716.46	719.83	722.14	723.88	725.00	725.51	725.51	725.51
V 50.0	730.74	731.70	732.96	734.70	737.14	740.33	743.95	747.60	750.90	753.63	755.72	757.14	757.67	757.67	757.67
V 52.5	738.39	738.42	739.32	740.67	742.72	745.60	749.03	752.63	756.06	758.88	760.92	762.40	763.25	763.25	763.25
V 55.0	719.72	721.00	722.40	724.14	726.45	729.49	733.09	736.98	740.92	744.69	748.05	750.82	752.75	752.75	752.75
V 57.5	694.66	695.50	696.91	698.60	700.76	703.59	706.95	710.59	714.24	717.62	720.38	722.43	723.90	723.90	723.90
V 60.0	646.84	648.39	649.86	651.47	653.43	655.92	658.89	662.12	665.41	668.54	671.33	673.66	675.36	675.36	675.36
V 62.5	570.65	571.78	573.08	574.52	576.33	578.72	581.65	584.86	588.08	591.04	593.51	595.26	596.22	596.22	596.22
V 65.0	476.61	478.09	479.39	480.70	482.23	484.13	486.40	488.82	491.20	493.31	495.00	496.17	496.79	496.79	496.79

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Luminaire Flux		30534.24 lm			Luminaire Power		420.00 W		Efficacy		72.70 lm/W		Efficiency		76.34%	
Lamps Flux		40000.00 lm			Maximum value		763.37 cd/klm		Position		H=13.00 V=52.50		VH		VH symm in H0	
Luminous Intensity Table cd/klm														Table 2/7		
	H 13.00	H 14.00	H 15.00	H 16.00	H 17.00	H 18.00	H 19.00	H 20.00	H 21.00	H 22.00	H 23.00	H 24.00	H 25.00			
V-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
V-87.5	0.75	0.74	0.73	0.72	0.71	0.70	0.69	0.68	0.67	0.65	0.63	0.62	0.60			
V-85.0	1.72	1.70	1.69	1.67	1.65	1.63	1.60	1.58	1.56	1.54	1.51	1.49	1.47			
V-82.5	2.04	2.03	2.01	1.99	1.97	1.95	1.92	1.90	1.88	1.86	1.84	1.82	1.80			
V-80.0	2.73	2.71	2.68	2.64	2.59	2.55	2.50	2.46	2.42	2.38	2.34	2.30	2.27			
V-77.5	4.08	4.00	3.91	3.80	3.68	3.57	3.45	3.35	3.25	3.16	3.08	3.01	2.94			
V-75.0	5.81	5.68	5.51	5.33	5.12	4.91	4.70	4.51	4.32	4.16	4.01	3.88	3.77			
V-72.5	7.55	7.38	7.18	6.94	6.69	6.42	6.15	5.89	5.64	5.39	5.17	4.97	4.80			
V-70.0	9.31	9.14	8.92	8.66	8.36	8.04	7.73	7.42	7.12	6.83	6.55	6.29	6.05			
V-67.5	11.26	11.11	10.91	10.65	10.35	10.01	9.64	9.25	8.86	8.47	8.10	7.74	7.40			
V-65.0	13.62	13.44	13.19	12.88	12.53	12.13	11.68	11.19	10.69	10.18	9.69	9.23	8.79			
V-62.5	16.48	16.28	16.00	15.64	15.20	14.69	14.13	13.54	12.92	12.28	11.65	11.03	10.46			
V-60.0	20.15	19.92	19.62	19.23	18.72	18.10	17.37	16.58	15.78	14.96	14.14	13.33	12.56			
V-57.5	24.92	24.64	24.25	23.74	23.11	22.34	21.46	20.47	19.42	18.35	17.31	16.28	15.29			
V-55.0	30.40	30.10	29.64	29.05	28.30	27.42	26.45	25.37	24.16	22.85	21.53	20.25	19.00			
V-52.5	37.14	36.88	36.46	35.90	35.17	34.24	33.12	31.85	30.45	28.92	27.31	25.74	24.21			
V-50.0	45.15	45.00	44.64	44.06	43.28	42.27	41.02	39.53	37.79	35.88	33.89	31.89	29.92			
V-47.5	53.08	53.08	52.65	51.89	50.84	49.55	47.96	46.18	44.21	42.01	39.68	37.31	34.94			
V-45.0	57.36	57.30	56.99	56.32	55.30	53.98	52.42	50.58	48.56	46.36	43.81	41.21	38.58			
V-42.5	59.12	58.91	58.51	57.90	56.94	55.63	54.07	52.20	50.04	47.72	45.17	42.50	39.81			
V-40.0	56.53	56.40	56.05	55.50	54.72	53.65	52.30	50.69	48.68	46.51	44.19	41.73	39.26			
V-37.5	52.97	52.88	52.56	52.09	51.34	50.30	49.09	47.58	45.85	43.92	41.84	39.82	37.73			
V-35.0	50.85	50.89	50.76	50.38	49.69	48.76	47.54	46.12	44.55	42.81	40.94	39.06	37.23			
V-32.5	49.74	49.73	49.79	49.53	49.03	48.22	47.08	45.84	44.33	42.88	41.18	39.47	37.66			
V-30.0	54.74	54.73	54.61	54.25	53.60	52.75	51.54	50.49	49.19	47.73	46.07	44.39	42.57			
V-27.5	62.17	62.22	62.34	61.53	60.98	59.75	58.71	57.19	55.88	53.84	51.84	49.93	47.79			
V-25.0	60.31	60.37	60.08	59.58	58.80	57.87	56.61	55.38	53.90	52.20	50.45	48.81	47.03			
V-22.5	59.02	59.02	58.83	58.26	57.61	56.65	55.28	53.98	52.38	50.28	48.61	47.23	45.50			
V-20.0	65.76	65.68	65.46	65.13	64.01	63.46	62.17	60.49	59.21	57.27	55.27	53.95	52.40			
V-17.5	105.11	104.95	104.35	103.86	102.90	101.74	100.52	99.01	97.35	95.47	93.49	91.82	89.93			
V-15.0	164.11	163.96	163.86	162.93	161.83	160.33	158.62	156.41	153.25	149.82	146.96	144.44	140.54			
V-12.5	204.28	203.64	202.91	201.88	200.55	198.28	195.57	192.20	188.06	183.53	178.82	173.83	168.54			
V-10.0	228.69	228.44	227.99	226.73	225.03	222.55	218.95	214.62	209.87	204.94	198.91	191.75	184.48			
V -7.5	254.27	253.53	252.64	251.24	249.24	246.26	242.28	237.44	231.45	224.72	217.49	209.64	201.67			
V -5.0	270.38	269.42	268.06	265.87	263.12	259.40	254.87	249.55	243.18	236.00	228.32	220.15	211.42			
V -2.5	276.22	275.61	274.52	272.55	270.06	266.90	262.96	258.50	252.81	246.59	239.46	231.22	222.86			
V 0.0	277.83	277.80	276.90	275.04	272.35	269.06	265.19	260.62	255.25	249.13	242.37	234.93	226.70			
V 2.5	273.94	274.13	273.87	272.62	270.76	268.11	264.49	260.30	254.74	248.65	241.95	234.51	226.95			
V 5.0	271.13	271.09	270.70	269.56	267.94	265.54	262.38	258.35	253.23	247.21	240.44	232.98	225.22			
V 7.5	265.95	265.89	265.55	264.70	263.33	261.09	257.97	254.16	249.54	244.36	238.65	232.24	225.70			
V 10.0	260.41	260.66	260.50	259.51	258.08	255.97	253.05	249.42	244.96	240.15	234.82	228.77	222.52			
V 12.5	255.72	255.97	255.98	255.65	255.00	252.99	250.25	246.77	242.39	237.37	232.14	226.72	220.91			
V 15.0	252.16	251.89	251.47	250.82	249.86	248.28	245.94	242.73	238.57	233.69	228.25	222.42	216.56			
V 17.5	247.48	247.25	246.83	246.34	245.49	243.99	241.80	238.95	235.44	231.29	226.32	220.70	214.82			
V 20.0	244.21	244.09	243.81	243.36	242.58	241.24	239.23	236.74	233.74	230.08	225.62	220.45	214.91			
V 22.5	243.46	243.67	243.76	243.44	242.69	241.32	239.27	236.60	233.56	230.18	226.38	222.05	217.17			
V 25.0	244.52	244.48	244.25	243.81	243.05	241.90	240.15	237.84	234.99	231.72	228.18	224.27	219.97			
V 27.5	248.35	247.75	246.97	246.51	245.69	244.63	242.78	240.52	237.68	234.74	231.43	227.67	223.44			
V 30.0	258.71	258.13	257.42	256.55	255.37	254.13	252.23	250.16	247.38	244.31	240.63	236.52	231.94			
V 32.5	279.54	278.94	278.58	277.65	276.71	275.31	273.15	270.62	267.18	263.80	259.56	255.24	250.02			
V 35.0	319.72	319.79	319.14	317.93	316.95	314.82	312.41	309.45	305.59	301.55	296.39	290.80	283.87			
V 37.5	387.85	386.93	385.36	383.80	381.64	378.72	375.50	371.13	365.94	360.07	353.30	345.89	337.07			
V 40.0	473.86	472.17	470.43	468.00	464.64	460.73	455.76	449.44	443.04	435.86	427.71	418.54	407.94			
V 42.5	570.78	569.36	567.58	565.28	561.78	556.78	550.47	542.75	533.74	524.04	513.03	500.85	487.20			
V 45.0	660.06	658.57	656.82	654.02	650.09	644.86	637.80	628.30	617.42	605.17	590.73	575.08	557.52			
V 47.5	725.50	724.78	722.45	719.57	715.97	711.15	702.94	692.81	681.04	666.45	649.87	632.20	612.21			
V 50.0	756.92	755.48	753.37	750.58	746.67	740.92	733.44	723.85	711.69	696.96	680.26	661.84	641.26			
V 52.5	763.37	762.67	761.16	758.30	754.46	749.38	742.66	733.46	721.28	707.02	691.01	672.60	652.04			
V 55.0	753.56	752.82	751.00	748.06	743.83	738.05	730.29	720.77	709.58	696.76	681.87	664.49	644.77			
V 57.5	724.70	724.73	723.77	721.66	717.87	712.17	704.96	696.19	685.70	672.56	656.81	639.28	620.24			
V 60.0	676.28	676.26	674.42	671.31	666.99	661.37	654.30	645.63	634.49	621.58	607.10	591.26	574.03			
V 62.5	596.43	595.84	594.32	591.74	587.98	582.92	576.23	568.04	558.48	547.62	535.53	522.12	507.02			
V 65.0	496.81	496.18	494.86	492.54	488.65	483.77	477.86	470.97	463.11	454.27	443.80	431.78	418.49			
V 67.5	370.38	369.05	367.27	364.95	362.02	358.41	354.12	349.07	343.22	336.36	328.12	318.30	306.86			
V 70.0	238.44	237.12	235.72	234.21	232.50	230.38	227.33	223.62	219.16	213.89	207.76	200.79	193.02			
V 72.5	100.26	99.53	99.74	100.04	100.18	99.93	99.09	97.50	95.17	92.16	88.59	85.53	83.23			
V 75.0	42															

Luminaire

Code 217231.140
Name START AS MH-T 400W

Measurerm.

Code CL2303/09-20A
Name EVOLUTION AS SHP-T 400W

Luminaire Flux		30534.24 lm		Luminaire Power		420.00 W		Efficacy		72.70 lm/W		Efficiency		76.34%	
Lamps Flux		40000.00 lm		Maximum value		763.37 cd/klm		Position		H=13.00 V=52.50		VH		VH symm in H0	
Luminous Intensity Table cd/klm															
Table 3/7															
	H 26.00	H 27.00	H 28.00	H 29.00	H 30.00	H 31.00	H 32.00	H 33.00	H 34.00	H 35.00	H 36.00	H 37.00	H 38.00		
V-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V-87.5	0.58	0.56	0.55	0.53	0.51	0.49	0.47	0.46	0.44	0.42	0.40	0.39	0.37	0.37	0.37
V-85.0	1.44	1.42	1.40	1.37	1.35	1.33	1.31	1.28	1.26	1.24	1.21	1.18	1.14	1.14	1.14
V-82.5	1.79	1.77	1.75	1.72	1.70	1.67	1.64	1.61	1.58	1.54	1.51	1.47	1.44	1.44	1.44
V-80.0	2.24	2.21	2.17	2.14	2.10	2.06	2.02	1.98	1.93	1.89	1.84	1.79	1.74	1.74	1.74
V-77.5	2.87	2.81	2.76	2.70	2.65	2.60	2.54	2.49	2.43	2.37	2.30	2.24	2.18	2.18	2.18
V-75.0	3.66	3.57	3.48	3.41	3.33	3.27	3.20	3.13	3.06	2.98	2.91	2.83	2.75	2.75	2.75
V-72.5	4.65	4.52	4.40	4.29	4.18	4.08	3.99	3.90	3.81	3.71	3.61	3.51	3.41	3.41	3.41
V-70.0	5.84	5.64	5.46	5.30	5.14	5.00	4.86	4.73	4.59	4.46	4.33	4.20	4.06	4.06	4.06
V-67.5	7.08	6.79	6.53	6.29	6.07	5.87	5.68	5.50	5.33	5.16	4.99	4.83	4.65	4.65	4.65
V-65.0	8.37	7.99	7.64	7.32	7.03	6.76	6.51	6.28	6.06	5.85	5.64	5.44	5.23	5.23	5.23
V-62.5	9.92	9.40	8.93	8.50	8.11	7.75	7.42	7.12	6.84	6.56	6.30	6.06	5.83	5.83	5.83
V-60.0	11.84	11.17	10.53	9.94	9.43	8.96	8.53	8.15	7.81	7.47	7.16	6.86	6.57	6.57	6.57
V-57.5	14.36	13.51	12.71	11.96	11.30	10.69	10.11	9.61	9.16	8.75	8.36	7.99	7.61	7.61	7.61
V-55.0	17.81	16.77	15.78	14.82	13.99	13.24	12.51	11.86	11.24	10.62	10.12	9.63	9.16	9.16	9.16
V-52.5	22.75	21.39	20.11	18.88	17.74	16.70	15.75	14.90	14.10	13.32	12.57	11.83	11.15	11.15	11.15
V-50.0	28.04	26.28	24.63	23.08	21.60	20.20	18.90	17.76	16.74	15.82	14.94	14.06	13.17	13.17	13.17
V-47.5	32.61	30.40	28.34	26.46	24.74	23.14	21.65	20.22	18.94	17.78	16.73	15.71	14.72	14.72	14.72
V-45.0	35.98	33.50	31.06	28.80	26.74	24.88	23.19	21.66	20.23	18.92	17.72	16.59	15.52	15.52	15.52
V-42.5	37.17	34.68	32.26	29.99	27.83	25.83	24.02	22.36	20.84	19.45	18.17	16.98	15.87	15.87	15.87
V-40.0	36.74	34.38	32.14	30.10	28.12	26.27	24.51	22.87	21.33	19.90	18.57	17.33	16.18	16.18	16.18
V-37.5	35.58	33.41	31.48	29.68	27.99	26.35	24.81	23.34	21.94	20.59	19.28	18.06	16.88	16.88	16.88
V-35.0	35.36	33.47	31.65	30.01	28.49	27.03	25.59	24.29	23.07	21.91	20.73	19.51	18.32	18.32	18.32
V-32.5	35.99	34.31	32.70	31.38	30.12	28.89	27.58	26.28	25.22	24.16	23.05	21.85	20.63	20.63	20.63
V-30.0	40.64	38.87	37.23	35.73	34.28	32.79	31.35	30.00	28.75	27.51	26.23	24.85	23.42	23.42	23.42
V-27.5	45.60	43.45	41.59	40.14	38.28	36.43	34.78	33.46	32.14	30.83	29.30	27.84	26.45	26.45	26.45
V-25.0	45.01	43.22	41.89	40.57	39.02	37.40	36.11	35.24	34.29	33.24	31.11	29.27	28.02	28.02	28.02
V-22.5	43.43	41.89	40.87	39.58	37.66	37.09	35.63	35.31	33.82	34.22	33.57	31.87	30.02	30.02	30.02
V-20.0	50.43	48.72	47.53	46.30	44.73	43.75	43.44	42.75	41.44	39.30	38.02	38.10	38.66	38.66	38.66
V-17.5	87.29	84.67	82.81	81.50	79.97	77.92	75.56	73.26	71.50	70.12	68.93	67.65	65.89	65.89	65.89
V-15.0	136.06	132.40	129.60	126.53	122.23	117.37	113.14	109.70	107.41	105.50	102.69	98.74	94.36	94.36	94.36
V-12.5	163.07	157.71	152.28	146.48	140.62	135.45	131.05	127.07	122.59	115.52	111.67	110.31	107.35	107.35	107.35
V-10.0	177.43	170.50	163.44	156.29	149.53	143.40	137.59	132.03	126.73	121.62	117.24	113.99	111.41	111.41	111.41
V -7.5	192.79	183.45	174.41	165.93	158.01	150.91	144.25	138.12	132.59	127.63	123.36	119.49	115.73	115.73	115.73
V -5.0	202.14	192.81	183.98	175.56	167.52	160.11	153.18	146.74	140.78	135.29	130.54	126.09	121.67	121.67	121.67
V -2.5	214.54	206.04	196.85	186.94	177.47	169.76	162.56	155.69	149.29	143.22	137.91	132.94	128.28	128.28	128.28
V 0.0	217.70	208.43	199.55	191.29	183.47	175.95	168.75	161.95	155.57	149.62	144.10	139.02	134.40	134.40	134.40
V 2.5	219.04	211.03	203.03	195.11	187.28	179.71	172.24	165.50	159.19	153.23	148.01	143.19	138.65	138.65	138.65
V 5.0	217.38	209.63	201.95	194.27	186.83	179.66	172.72	166.31	160.37	154.81	149.81	145.10	140.62	140.62	140.62
V 7.5	218.36	210.77	203.07	195.43	188.01	180.89	173.99	167.51	161.44	155.72	150.46	145.60	141.13	141.13	141.13
V 10.0	216.14	209.69	203.04	196.14	189.19	182.38	175.71	169.14	162.68	156.59	151.19	146.36	141.84	141.84	141.84
V 12.5	214.37	207.53	200.69	193.86	187.13	180.65	174.42	168.37	162.53	157.09	152.16	147.54	143.04	143.04	143.04
V 15.0	210.59	204.40	198.06	191.69	185.43	179.30	173.27	167.53	162.29	157.53	153.12	148.77	144.24	144.24	144.24
V 17.5	208.97	203.15	197.26	191.28	185.23	179.09	172.90	167.35	162.44	157.90	153.48	148.93	144.32	144.32	144.32
V 20.0	209.21	203.50	197.81	192.08	186.31	180.54	174.87	169.46	164.14	158.87	153.69	148.81	144.52	144.52	144.52
V 22.5	211.84	206.25	200.49	194.74	189.11	183.54	177.94	172.25	166.51	161.03	155.89	151.19	147.01	147.01	147.01
V 25.0	215.15	209.76	203.79	197.72	191.88	186.19	180.44	174.74	169.29	164.16	159.26	154.46	149.90	149.90	149.90
V 27.5	218.52	212.87	206.78	200.59	194.84	189.24	183.56	177.90	172.54	167.48	162.57	157.82	153.18	153.18	153.18
V 30.0	226.74	221.04	214.74	208.33	202.12	195.93	189.65	183.55	177.88	172.68	167.56	162.37	157.26	157.26	157.26
V 32.5	244.11	237.28	229.90	222.77	215.45	208.18	200.78	193.51	187.23	181.12	175.02	169.32	163.95	163.95	163.95
V 35.0	276.50	268.12	259.59	250.74	241.74	232.56	223.23	214.37	205.71	197.48	189.89	182.85	176.43	176.43	176.43
V 37.5	327.91	317.65	307.25	295.85	283.77	271.25	258.74	246.44	234.53	223.17	212.59	202.86	193.89	193.89	193.89
V 40.0	396.32	383.30	368.35	352.46	335.85	319.23	302.60	286.35	270.24	254.90	240.31	227.11	215.22	215.22	215.22
V 42.5	470.79	452.91	433.27	413.16	392.65	372.03	350.65	329.18	308.18	288.65	270.63	254.24	238.53	238.53	238.53
V 45.0	537.86	517.09	494.73	471.59	446.84	420.96	394.89	369.01	344.48	321.17	299.57	278.60	258.92	258.92	258.92
V 47.5	590.77	568.42	542.71	515.74	487.26	457.86	428.98	399.87	372.44	345.89	321.03	297.46	275.65	275.65	275.65
V 50.0	619.12	595.07	568.10	539.38	509.11	477.97	447.20	417.26	388.65	361.44	335.59	311.21	288.39	288.39	288.39
V 52.5	629.36	604.10	576.60	547.76	518.04	488.09	458.32	428.76	399.94	372.17	345.64	320.74	297.50	297.50	297.50
V 55.0	622.84	598.71	573.45	547.38	519.97	491.47	462.55	433.18	404.49	377.17	350.94	326.14	302.39	302.39	302.39
V 57.5	599.57	577.46	554.48	530.60	504.75	478.04	451.09	423.72	396.75	370.78	344.60	318.87	294.36	294.36	294.36
V 60.0	555.08	534.99	513.75	491.25	467.33	442.86	418.14	392.70	367.04	341.69	316.43	291.50	267.72	267.72	267.72
V 62.5	490.64	472.92	453.87	432.90	410.72	387.86	364.60	340.24	315.92	292.14	268.88	245.77	223.63	223.63	223.63
V 65.0	403.89	387.93	370.11	350.38	329.79	308.72	287.53	265.93	244.70	224.05	204.11	184.84	166.30	166.30	166.30

Luminaire

Code 217231.140
Name START AS MH-T 400W

Measurerm.

Code CL2303/09-20A
Name EVOLUTION AS SHP-T 400W

Luminaire Flux	30534.24 lm			Luminaire Power		420.00 W		Efficacy		72.70 lm/W		Efficiency		76.34%	
Lamps Flux	40000.00 lm			Maximum value		763.37 cd/klm		Position		H=13.00 V=52.50		VH		VH symm in H0	
Luminous Intensity Table cd/klm Table 4/7															
	H 39.00	H 40.00	H 41.00	H 42.00	H 43.00	H 44.00	H 45.00	H 46.00	H 47.00	H 48.00	H 49.00	H 50.00	H 51.00		
V-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V-87.5	0.36	0.35	0.33	0.32	0.31	0.30	0.28	0.27	0.25	0.24	0.23	0.21	0.20	0.20	0.20
V-85.0	1.10	1.05	1.01	0.96	0.91	0.87	0.83	0.79	0.75	0.71	0.67	0.64	0.61	0.61	0.61
V-82.5	1.40	1.36	1.32	1.28	1.23	1.19	1.14	1.09	1.04	0.99	0.94	0.89	0.85	0.85	0.85
V-80.0	1.70	1.65	1.59	1.54	1.49	1.43	1.37	1.31	1.26	1.20	1.15	1.09	1.04	1.04	1.04
V-77.5	2.11	2.05	1.98	1.92	1.85	1.78	1.71	1.63	1.56	1.49	1.42	1.35	1.29	1.29	1.29
V-75.0	2.66	2.58	2.49	2.41	2.32	2.23	2.14	2.04	1.95	1.85	1.76	1.67	1.59	1.59	1.59
V-72.5	3.30	3.19	3.08	2.96	2.85	2.73	2.61	2.50	2.38	2.26	2.15	2.04	1.93	1.93	1.93
V-70.0	3.92	3.77	3.63	3.48	3.33	3.19	3.05	2.90	2.76	2.63	2.50	2.38	2.26	2.26	2.26
V-67.5	4.47	4.29	4.11	3.94	3.76	3.59	3.42	3.26	3.11	2.96	2.81	2.68	2.55	2.55	2.55
V-65.0	5.01	4.80	4.58	4.37	4.16	3.96	3.77	3.58	3.41	3.24	3.09	2.94	2.80	2.80	2.80
V-62.5	5.59	5.35	5.10	4.84	4.59	4.36	4.13	3.93	3.73	3.54	3.36	3.19	3.03	3.03	3.03
V-60.0	6.28	6.01	5.72	5.42	5.12	4.82	4.55	4.29	4.05	3.84	3.64	3.45	3.28	3.28	3.28
V-57.5	7.26	6.90	6.53	6.18	5.81	5.46	5.12	4.78	4.49	4.21	3.97	3.75	3.54	3.54	3.54
V-55.0	8.70	8.24	7.79	7.33	6.87	6.41	5.94	5.53	5.12	4.77	4.44	4.15	3.88	3.88	3.88
V-52.5	10.49	9.86	9.27	8.69	8.12	7.55	6.97	6.41	5.90	5.44	5.02	4.63	4.29	4.29	4.29
V-50.0	12.29	11.46	10.65	9.91	9.21	8.55	7.90	7.25	6.62	6.07	5.57	5.13	4.72	4.72	4.72
V-47.5	13.73	12.77	11.83	10.94	10.11	9.34	8.63	7.97	7.29	6.65	6.07	5.56	5.11	5.11	5.11
V-45.0	14.48	13.47	12.50	11.55	10.66	9.83	9.06	8.37	7.73	7.09	6.48	5.91	5.42	5.42	5.42
V-42.5	14.81	13.78	12.78	11.84	10.94	10.08	9.31	8.58	7.93	7.31	6.73	6.16	5.65	5.65	5.65
V-40.0	15.10	14.07	13.07	12.12	11.21	10.37	9.57	8.82	8.12	7.46	6.87	6.32	5.83	5.83	5.83
V-37.5	15.74	14.69	13.67	12.69	11.78	10.89	10.06	9.27	8.51	7.76	7.12	6.55	6.08	6.08	6.08
V-35.0	17.16	16.00	14.91	13.89	12.89	11.92	10.99	10.08	9.23	8.48	7.78	7.16	6.65	6.65	6.65
V-32.5	19.39	18.22	17.06	15.91	14.80	13.76	12.68	11.57	10.53	9.66	8.92	8.31	7.81	7.81	7.81
V-30.0	22.08	20.90	19.84	18.77	17.14	15.96	14.82	13.45	12.34	11.36	10.55	9.32	8.42	8.42	8.42
V-27.5	25.19	23.62	21.98	20.56	19.23	17.95	16.51	15.14	13.87	12.71	11.69	10.71	9.60	9.60	9.60
V-25.0	26.68	25.83	24.36	22.68	21.25	19.84	18.28	16.72	15.35	14.03	12.87	12.40	11.61	11.61	11.61
V-22.5	28.14	26.85	27.37	26.40	24.37	22.44	20.53	18.34	17.46	17.15	15.90	13.98	13.16	13.16	13.16
V-20.0	38.27	36.18	33.09	30.15	28.44	28.55	29.42	29.63	28.72	27.07	24.60	21.50	18.44	18.44	18.44
V-17.5	63.26	59.85	56.45	54.08	52.94	52.58	51.89	49.96	46.83	43.02	38.91	34.92	31.36	31.36	31.36
V-15.0	90.30	86.73	83.62	81.34	79.79	77.68	73.91	68.93	63.43	58.28	53.66	49.68	46.06	46.06	46.06
V-12.5	104.39	101.64	98.54	92.19	87.85	83.43	78.74	75.03	72.45	67.74	63.54	59.96	56.69	56.69	56.69
V-10.0	108.65	105.51	100.74	96.71	92.46	88.15	83.84	79.52	75.39	71.45	66.88	62.50	58.43	58.43	58.43
V -7.5	112.02	108.18	104.01	99.79	95.37	90.61	85.85	81.31	77.07	72.91	68.55	64.10	59.86	59.86	59.86
V -5.0	117.34	113.11	108.92	104.69	100.19	95.28	90.25	85.19	80.11	75.11	70.30	65.60	61.12	61.12	61.12
V -2.5	123.87	119.52	115.18	110.77	106.00	100.86	95.50	89.90	84.21	78.70	73.54	68.49	63.34	63.34	63.34
V 0.0	130.08	125.76	121.21	116.38	111.30	105.94	100.25	94.23	88.18	82.44	77.04	71.68	66.15	66.15	66.15
V 2.5	134.32	129.93	125.21	120.24	115.00	109.38	103.50	97.35	91.22	85.32	79.64	73.98	68.24	68.24	68.24
V 5.0	136.32	131.93	127.25	122.37	117.13	111.47	105.62	99.57	93.45	87.40	81.44	75.53	69.70	69.70	69.70
V 7.5	136.91	132.61	128.10	123.38	118.30	112.91	107.30	101.33	95.15	89.00	82.85	76.77	70.87	70.87	70.87
V 10.0	137.55	133.30	128.87	124.26	119.33	114.14	108.73	102.67	96.43	90.20	83.94	77.79	71.78	71.78	71.78
V 12.5	138.65	134.30	129.87	125.26	120.35	115.14	109.64	103.61	97.21	90.86	84.59	78.42	72.25	72.25	72.25
V 15.0	139.67	135.21	130.74	126.17	121.22	115.93	110.47	104.05	97.52	91.16	84.91	78.59	72.27	72.27	72.27
V 17.5	139.98	135.77	131.54	127.02	122.04	116.71	110.80	104.45	98.00	91.61	85.21	78.68	72.33	72.33	72.33
V 20.0	140.76	137.02	132.80	128.13	122.98	117.46	111.62	105.45	99.02	92.53	85.88	79.23	73.00	73.00	73.00
V 22.5	143.11	138.89	134.37	129.54	124.40	118.97	113.21	107.00	100.53	93.91	87.08	80.37	74.04	74.04	74.04
V 25.0	145.48	141.08	136.57	131.74	126.56	121.08	115.29	109.13	102.45	95.50	88.49	81.66	75.20	75.20	75.20
V 27.5	148.66	144.15	139.46	134.31	129.04	123.61	117.81	111.25	104.24	97.17	90.11	83.21	76.57	76.57	76.57
V 30.0	152.51	147.76	142.77	137.51	132.16	126.45	120.22	113.50	106.65	99.55	92.31	85.09	78.00	78.00	78.00
V 32.5	158.83	153.76	148.38	142.73	136.84	130.68	124.23	117.47	110.31	102.70	94.95	87.29	80.05	80.05	80.05
V 35.0	170.20	163.94	157.48	150.80	144.03	137.21	130.11	122.64	114.76	106.55	98.28	90.25	82.72	82.72	82.72
V 37.5	185.48	177.29	169.13	160.97	152.92	145.01	137.04	128.77	120.12	111.18	102.24	93.70	85.37	85.37	85.37
V 40.0	204.00	193.29	182.70	172.66	163.24	154.18	145.10	135.62	125.63	115.83	106.57	97.52	88.54	88.54	88.54
V 42.5	223.85	209.34	196.21	184.35	173.71	163.50	152.54	141.62	131.05	121.07	111.35	101.27	91.32	91.32	91.32
V 45.0	240.17	223.39	208.96	195.84	183.37	171.03	159.02	147.67	136.73	125.74	114.43	103.23	92.23	92.23	92.23
V 47.5	255.70	237.70	221.17	205.93	191.39	177.80	165.09	152.96	140.28	127.67	114.96	102.85	91.41	91.41	91.41
V 50.0	267.45	247.96	229.87	213.23	197.84	183.23	169.23	154.86	140.75	126.59	113.29	100.62	88.63	88.63	88.63
V 52.5	275.91	255.68	236.76	219.10	202.08	185.90	169.08	153.10	137.18	122.49	108.05	94.68	81.66	81.66	81.66
V 55.0	279.44	258.17	237.27	217.58	198.44	179.57	161.60	143.99	127.63	112.20	97.81	84.09	71.06	71.06	71.06
V 57.5	270.10	247.25	225.61	204.33	184.11	164.53	146.11	129.02	113.07	98.22	83.92	70.56	58.03	58.03	58.03
V 60.0	244.70	222.14	200.74	180.04	160.33	142.09	124.64	108.34	93.18	78.70	65.43	53.52	43.08	43.08	43.08
V 62.5	202.51	181.98	162.49	144.11	126.50	109.85	94.24	79.64	66.25	54.15	44.40	35.96	28.96	28.96	28.96
V 65.0	148.51	131.47	115.12	99.55	84.81	71.43	59.21	48.25	39.71	32.61	26.44	21.68	17.67	17.67	17.67
V 67.5	90.75	77.20	65.37	54.61	44.82	36.26	30.33	25.15	20.62	17.12	14.29	11.71	9.49	9.49	9.49
V 70.0	43.99	36.13	29.35	24.54	20.41	16.86	13.80	11.84	10.05	8.39	6.93	5.63	4.59	4.59	4.59
V 72.5	17.92	15.08	12.59	10.68	9.30	8.08	6.97	5.97	5.27	4.70	4.20	3.74	3.34	3.34	3.34
V 75.0	7.73	6.83	6.05	5.37	4.83	4.43	4.05	3.71	3.39	3.10	2.87	2.64	2.42	2.42	2.42
V 77.5	4.08	3.79	3.51	3.26	3.02	2.81	2.65	2.49	2.34	2.20	2.06	1.92	1.80	1.80	

Luminaire

Code 217231.140
Name START AS MH-T 400W

Measurerm.

Code CL2303/09-20A
Name EVOLUTION AS SHP-T 400W

Luminaire Flux	30534.24 lm			Luminaire Power		420.00 W		Efficacy		72.70 lm/W		Efficiency		76.34%	
Lamps Flux	40000.00 lm			Maximum value		763.37 cd/klm		Position		H=13.00 V=52.50		VH		VH symm in H0	
Luminous Intensity Table cd/klm Table 5/7															
	H 52.00	H 53.00	H 54.00	H 55.00	H 56.00	H 57.00	H 58.00	H 59.00	H 60.00	H 61.00	H 62.00	H 63.00	H 64.00		
V-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V-87.5	0.19	0.18	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.09	0.08	0.08	0.08	0.07	0.07
V-85.0	0.58	0.54	0.50	0.46	0.42	0.38	0.35	0.31	0.28	0.25	0.22	0.19	0.17	0.17	0.17
V-82.5	0.81	0.76	0.72	0.68	0.64	0.59	0.55	0.50	0.46	0.41	0.37	0.33	0.29	0.29	0.29
V-80.0	0.99	0.94	0.89	0.85	0.80	0.75	0.70	0.65	0.60	0.56	0.51	0.46	0.42	0.42	0.42
V-77.5	1.22	1.16	1.10	1.04	0.98	0.93	0.87	0.81	0.76	0.70	0.64	0.59	0.53	0.53	0.53
V-75.0	1.50	1.42	1.35	1.27	1.20	1.13	1.06	0.99	0.92	0.86	0.79	0.73	0.67	0.67	0.67
V-72.5	1.83	1.72	1.63	1.54	1.45	1.36	1.27	1.19	1.11	1.03	0.96	0.88	0.81	0.81	0.81
V-70.0	2.14	2.03	1.91	1.81	1.71	1.61	1.51	1.41	1.31	1.22	1.13	1.04	0.96	0.96	0.96
V-67.5	2.42	2.30	2.18	2.06	1.94	1.83	1.72	1.61	1.51	1.40	1.30	1.20	1.11	1.11	1.11
V-65.0	2.66	2.53	2.40	2.28	2.15	2.03	1.91	1.80	1.69	1.57	1.46	1.35	1.25	1.25	1.25
V-62.5	2.89	2.74	2.61	2.47	2.34	2.22	2.09	1.97	1.86	1.74	1.62	1.51	1.40	1.40	1.40
V-60.0	3.11	2.96	2.81	2.66	2.52	2.39	2.26	2.13	2.01	1.89	1.77	1.66	1.54	1.54	1.54
V-57.5	3.35	3.17	3.01	2.85	2.71	2.56	2.42	2.28	2.15	2.03	1.91	1.79	1.67	1.67	1.67
V-55.0	3.65	3.43	3.24	3.05	2.89	2.74	2.59	2.44	2.30	2.17	2.05	1.92	1.80	1.80	1.80
V-52.5	3.99	3.74	3.51	3.30	3.10	2.93	2.76	2.61	2.46	2.32	2.19	2.07	1.94	1.94	1.94
V-50.0	4.35	4.03	3.76	3.53	3.32	3.12	2.95	2.79	2.63	2.48	2.34	2.21	2.08	2.08	2.08
V-47.5	4.70	4.33	4.01	3.74	3.51	3.31	3.12	2.96	2.80	2.64	2.50	2.35	2.21	2.21	2.21
V-45.0	4.98	4.60	4.25	3.95	3.71	3.49	3.30	3.12	2.96	2.79	2.64	2.49	2.35	2.35	2.35
V-42.5	5.20	4.81	4.46	4.15	3.90	3.68	3.48	3.29	3.12	2.95	2.78	2.63	2.48	2.48	2.48
V-40.0	5.40	5.02	4.69	4.40	4.13	3.89	3.67	3.47	3.28	3.11	2.93	2.76	2.60	2.60	2.60
V-37.5	5.69	5.35	5.01	4.70	4.42	4.15	3.89	3.66	3.45	3.26	3.08	2.90	2.73	2.73	2.73
V-35.0	6.28	5.92	5.54	5.10	4.74	4.40	4.10	3.84	3.62	3.42	3.22	3.03	2.85	2.85	2.85
V-32.5	7.13	6.70	6.13	5.58	5.01	4.63	4.35	4.09	3.76	3.57	3.37	3.17	2.98	2.98	2.98
V-30.0	7.72	7.37	6.49	5.98	5.52	5.09	4.73	4.38	4.03	3.74	3.53	3.30	3.09	3.09	3.09
V-27.5	8.63	7.87	7.17	6.61	6.06	5.52	5.10	4.58	4.33	4.09	3.81	3.50	3.21	3.21	3.21
V-25.0	10.47	9.26	7.92	7.19	6.64	6.03	5.67	5.61	5.28	4.80	4.33	3.88	3.47	3.47	3.47
V-22.5	12.91	11.26	8.44	7.61	8.45	8.73	8.48	7.91	7.10	6.18	5.29	4.54	3.90	3.90	3.90
V-20.0	16.42	15.73	15.65	15.35	14.89	14.46	13.21	11.51	9.77	8.15	6.73	5.58	4.65	4.65	4.65
V-17.5	28.66	27.35	26.81	25.84	24.00	21.79	19.02	16.03	13.17	10.68	8.62	6.98	5.65	5.65	5.65
V-15.0	42.85	40.30	38.07	35.56	32.31	28.38	24.07	19.94	16.28	13.14	10.57	8.49	6.76	6.76	6.76
V-12.5	52.77	47.16	42.80	38.56	34.27	29.85	25.44	22.32	18.71	15.34	12.46	10.02	7.94	7.94	7.94
V-10.0	53.98	49.38	44.83	40.38	36.02	31.73	27.49	23.75	20.26	16.92	13.90	11.22	8.86	8.86	8.86
V -7.5	55.68	51.19	46.57	41.93	37.43	33.23	29.14	25.06	21.24	17.91	14.80	11.95	9.42	9.42	9.42
V -5.0	57.40	52.87	48.23	43.60	38.98	33.99	29.92	25.86	22.04	18.55	15.31	12.34	9.70	9.70	9.70
V -2.5	58.36	53.48	48.73	44.16	39.77	35.53	31.26	26.94	22.82	19.05	15.63	12.55	9.85	9.85	9.85
V 0.0	60.62	55.39	50.55	45.97	41.53	37.11	32.58	27.99	23.58	19.56	15.97	12.79	10.04	10.04	10.04
V 2.5	62.54	57.18	52.22	47.48	42.85	38.20	33.49	28.82	24.32	20.18	16.46	13.20	10.40	10.40	10.40
V 5.0	64.02	58.64	53.55	48.57	43.68	38.84	34.07	29.46	25.00	20.85	17.07	13.73	10.88	10.88	10.88
V 7.5	65.16	59.68	54.41	49.22	44.15	39.23	34.52	30.00	25.62	21.49	17.68	14.28	11.35	11.35	11.35
V 10.0	65.89	60.23	54.81	49.53	44.45	39.61	34.99	30.51	26.15	22.02	18.19	14.74	11.72	11.72	11.72
V 12.5	66.16	60.40	54.98	49.70	44.73	40.04	35.46	30.93	26.55	22.39	18.52	14.99	11.86	11.86	11.86
V 15.0	66.25	60.61	55.24	50.05	45.16	40.47	35.83	31.22	26.79	22.60	18.66	15.00	11.77	11.77	11.77
V 17.5	66.49	61.03	55.67	50.52	45.55	40.74	35.99	31.35	26.91	22.68	18.63	14.88	11.57	11.57	11.57
V 20.0	67.22	61.70	56.28	50.95	45.79	40.84	35.99	31.32	26.88	22.56	18.37	14.60	11.21	11.21	11.21
V 22.5	68.12	62.43	56.80	51.24	45.99	40.89	35.99	31.29	26.71	22.26	18.06	14.24	10.71	10.71	10.71
V 25.0	69.10	63.10	57.33	51.75	46.32	41.06	36.02	31.15	26.37	21.83	17.71	13.76	10.13	10.13	10.13
V 27.5	70.07	64.03	58.18	52.42	46.76	41.27	35.99	30.78	25.91	21.44	17.18	13.10	9.56	9.56	9.56
V 30.0	71.49	65.30	59.18	53.09	47.10	41.33	35.63	30.28	25.39	20.84	16.33	12.24	9.26	9.26	9.26
V 32.5	73.34	66.64	60.00	53.50	47.30	41.12	35.20	29.73	24.76	19.77	15.17	11.47	8.66	8.66	8.66
V 35.0	75.17	67.79	60.72	54.07	47.50	40.97	34.78	29.12	23.53	18.25	13.87	10.49	7.89	7.89	7.89
V 37.5	77.13	69.36	62.06	55.02	47.76	40.74	34.15	27.83	21.75	16.62	12.61	9.59	7.32	7.32	7.32
V 40.0	79.79	71.47	63.46	55.44	47.45	39.92	32.82	25.88	19.92	15.12	11.48	8.80	6.80	6.80	6.80
V 42.5	81.83	72.48	63.46	54.66	46.32	38.34	30.69	23.70	17.95	13.49	10.38	8.06	6.32	6.32	6.32
V 45.0	81.85	71.87	62.29	53.17	44.30	35.63	27.55	20.73	15.61	11.92	9.38	7.36	5.81	5.81	5.81
V 47.5	80.49	70.12	59.89	49.99	40.12	31.05	23.12	17.71	13.62	10.67	8.41	6.58	5.15	5.15	5.15
V 50.0	76.92	65.61	54.41	43.70	33.75	25.84	19.54	15.18	11.89	9.33	7.29	5.64	4.45	4.45	4.45
V 52.5	69.34	57.33	46.03	36.04	27.49	21.00	16.20	12.86	10.11	7.85	6.14	4.78	3.76	3.76	3.76
V 55.0	58.71	47.19	36.91	28.11	21.75	17.20	13.61	10.68	8.34	6.49	5.05	3.92	3.19	3.19	3.19
V 57.5	46.48	36.40	28.64	22.41	17.78	13.97	10.97	8.51	6.60	5.07	4.05	3.29	2.74	2.74	2.74
V 60.0	34.20	27.39	21.68	17.17	13.45	10.47	8.10	6.19	4.88	3.87	3.22	2.69	2.29	2.29	2.29
V 62.5	23.45	18.63	14.80	11.63	8.94	6.99	5.36	4.25	3.48	2.89	2.51	2.16	1.89	1.89	1.89
V 65.0	14.07	11.35	9.04	6.97	5.55	4.38	3.47	2.99	2.59	2.28	2.03	1.79	1.59	1.59	1.59
V 67.5	7.90	6.44	5.11	4.28	3.58	3.00	2.65	2.37	2.11	1.89	1.69	1.51	1.37	1.37	1.37
V 70.0	4.41	3.80	3.36	2.96	2.62	2.36	2.13	1.91	1.73	1.57	1.42	1.30	1.19	1.19	1.19
V 72.5	3.02	2.72	2.45	2.22	2.03	1.85	1.68	1.54	1.42	1.31	1.20	1.11	1.03	1.03	1.03
V 75.0	2.22	2.03	1.87	1.73	1.60	1.47	1.37	1.27	1.19	1.11	1.03	0.96	0.90	0.90	0.90
V 77.5	1.68	1.57	1.46	1.37	1.28	1.20	1.13	1.06	1.00	0.94	0.89	0.84	0.79	0.79	0.79
V 80.0	1.29	1.21	1.14	1.08	1.02	0.97	0.92	0.87	0.83	0.79	0.76	0.72	0.69	0.69	0.69
V 82.5	0.95	0.91	0.86	0.82	0.79	0.76	0.73	0.71	0.69	0.66	0.64	0.61	0.59	0.59	0.59
V 85.0	0.67	0.65	0.63	0.62	0.61	0.60	0.59	0.59	0.58	0.57	0.55	0.54	0.52	0.52	0.52
V 87.5	0.47	0.46	0.46	0.45	0.45	0.44	0.44	0.44	0.44	0.44	0.44	0.45	0.45	0.45	0.45
V 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire

Code 217231.140
Name START AS MH-T 400W

Measur.

Code CL2303/09-20A
Name EVOLUTION AS SHP-T 400W

Luminaire Flux	30534.24 lm			Luminaire Power		420.00 W		Efficacy		72.70 lm/W		Efficiency		76.34%	
Lamps Flux	40000.00 lm			Maximum value		763.37 cd/klm		Position		H=13.00 V=52.50		VH		VH symm in H0	
Luminous Intensity Table cd/klm Table 6/7															
	H 65.00	H 66.00	H 67.00	H 68.00	H 69.00	H 70.00	H 71.00	H 72.00	H 73.00	H 74.00	H 75.00	H 76.00	H 77.00		
V-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V-87.5	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.02	0.02
V-85.0	0.14	0.13	0.11	0.10	0.10	0.09	0.08	0.08	0.07	0.06	0.06	0.05	0.04	0.04	0.04
V-82.5	0.26	0.23	0.21	0.19	0.17	0.15	0.13	0.12	0.10	0.09	0.08	0.07	0.06	0.06	0.06
V-80.0	0.37	0.34	0.30	0.27	0.24	0.22	0.19	0.17	0.15	0.14	0.12	0.10	0.08	0.08	0.08
V-77.5	0.48	0.43	0.39	0.35	0.31	0.28	0.25	0.23	0.20	0.18	0.16	0.14	0.12	0.12	0.12
V-75.0	0.60	0.54	0.49	0.44	0.39	0.35	0.31	0.28	0.25	0.22	0.20	0.17	0.15	0.15	0.15
V-72.5	0.74	0.67	0.60	0.54	0.48	0.42	0.38	0.34	0.30	0.27	0.23	0.21	0.18	0.18	0.18
V-70.0	0.88	0.80	0.72	0.65	0.58	0.51	0.45	0.39	0.35	0.31	0.27	0.24	0.21	0.21	0.21
V-67.5	1.02	0.93	0.84	0.76	0.68	0.60	0.53	0.47	0.41	0.35	0.31	0.27	0.24	0.24	0.24
V-65.0	1.15	1.05	0.96	0.87	0.78	0.69	0.61	0.54	0.47	0.41	0.36	0.31	0.27	0.27	0.27
V-62.5	1.29	1.18	1.08	0.98	0.88	0.78	0.69	0.61	0.53	0.46	0.40	0.35	0.30	0.30	0.30
V-60.0	1.42	1.31	1.20	1.10	0.99	0.88	0.78	0.68	0.60	0.52	0.45	0.39	0.34	0.34	0.34
V-57.5	1.55	1.43	1.32	1.21	1.10	0.98	0.87	0.76	0.66	0.58	0.50	0.43	0.37	0.37	0.37
V-55.0	1.68	1.56	1.44	1.32	1.20	1.08	0.96	0.85	0.74	0.64	0.55	0.47	0.41	0.41	0.41
V-52.5	1.81	1.68	1.55	1.43	1.31	1.18	1.06	0.93	0.81	0.70	0.60	0.52	0.44	0.44	0.44
V-50.0	1.95	1.81	1.68	1.54	1.42	1.29	1.15	1.01	0.88	0.76	0.66	0.56	0.48	0.48	0.48
V-47.5	2.08	1.94	1.80	1.66	1.52	1.38	1.24	1.10	0.95	0.82	0.71	0.61	0.52	0.52	0.52
V-45.0	2.21	2.06	1.91	1.77	1.62	1.48	1.33	1.18	1.03	0.88	0.76	0.66	0.56	0.56	0.56
V-42.5	2.34	2.19	2.04	1.88	1.73	1.58	1.43	1.27	1.11	0.95	0.81	0.70	0.60	0.60	0.60
V-40.0	2.45	2.31	2.15	2.00	1.84	1.68	1.52	1.36	1.18	1.03	0.88	0.75	0.64	0.64	0.64
V-37.5	2.57	2.41	2.26	2.10	1.94	1.78	1.61	1.45	1.27	1.10	0.94	0.80	0.68	0.68	0.68
V-35.0	2.68	2.52	2.36	2.20	2.05	1.88	1.71	1.54	1.36	1.18	1.01	0.86	0.73	0.73	0.73
V-32.5	2.80	2.63	2.46	2.29	2.13	1.97	1.80	1.62	1.45	1.27	1.09	0.91	0.77	0.77	0.77
V-30.0	2.91	2.74	2.56	2.38	2.21	2.05	1.88	1.70	1.52	1.35	1.16	0.97	0.82	0.82	0.82
V-27.5	3.02	2.85	2.67	2.48	2.30	2.13	1.96	1.78	1.59	1.42	1.23	1.04	0.87	0.87	0.87
V-25.0	3.18	2.97	2.78	2.59	2.39	2.21	2.03	1.84	1.66	1.48	1.29	1.10	0.91	0.91	0.91
V-22.5	3.41	3.13	2.91	2.70	2.49	2.29	2.10	1.90	1.71	1.53	1.35	1.15	0.95	0.95	0.95
V-20.0	3.93	3.42	3.07	2.81	2.59	2.37	2.16	1.96	1.76	1.57	1.39	1.20	0.99	0.99	0.99
V-17.5	4.59	3.81	3.25	2.91	2.68	2.45	2.23	2.01	1.80	1.61	1.42	1.23	1.03	1.03	1.03
V-15.0	5.36	4.30	3.52	3.04	2.76	2.52	2.29	2.06	1.84	1.64	1.45	1.26	1.06	1.06	1.06
V-12.5	6.19	4.82	3.81	3.17	2.82	2.58	2.34	2.11	1.87	1.66	1.47	1.28	1.08	1.08	1.08
V-10.0	6.83	5.21	4.02	3.28	2.89	2.64	2.39	2.15	1.90	1.68	1.48	1.29	1.10	1.10	1.10
V -7.5	7.22	5.45	4.18	3.37	2.94	2.68	2.44	2.18	1.92	1.69	1.49	1.30	1.11	1.11	1.11
V -5.0	7.42	5.58	4.30	3.43	2.98	2.72	2.43	2.21	1.94	1.71	1.49	1.30	1.12	1.12	1.12
V -2.5	7.55	5.67	4.37	3.48	2.96	2.71	2.47	2.21	1.96	1.71	1.49	1.30	1.12	1.12	1.12
V 0.0	7.71	5.82	4.40	3.51	3.04	2.77	2.52	2.24	1.97	1.72	1.49	1.30	1.12	1.12	1.12
V 2.5	8.02	6.09	4.65	3.67	3.15	2.86	2.58	2.28	1.99	1.72	1.49	1.29	1.11	1.11	1.11
V 5.0	8.42	6.43	4.94	3.86	3.30	2.97	2.64	2.31	2.00	1.72	1.49	1.29	1.10	1.10	1.10
V 7.5	8.81	6.76	5.21	4.06	3.45	3.07	2.70	2.34	2.00	1.72	1.48	1.28	1.09	1.09	1.09
V 10.0	9.10	6.99	5.37	4.23	3.59	3.16	2.74	2.35	2.00	1.71	1.47	1.26	1.08	1.08	1.08
V 12.5	9.18	7.01	5.40	4.34	3.69	3.21	2.76	2.35	1.99	1.70	1.46	1.25	1.06	1.06	1.06
V 15.0	9.02	6.74	5.30	4.37	3.73	3.22	2.75	2.33	1.97	1.68	1.44	1.23	1.03	1.03	1.03
V 17.5	8.70	6.44	5.22	4.35	3.71	3.17	2.71	2.29	1.94	1.65	1.41	1.20	1.00	1.00	1.00
V 20.0	8.20	6.29	5.18	4.31	3.64	3.10	2.65	2.24	1.90	1.61	1.37	1.17	0.96	0.96	0.96
V 22.5	7.57	6.17	5.07	4.19	3.53	3.02	2.58	2.19	1.85	1.57	1.33	1.13	0.92	0.92	0.92
V 25.0	7.59	6.07	4.90	4.00	3.39	2.92	2.50	2.13	1.79	1.52	1.29	1.08	0.89	0.89	0.89
V 27.5	7.41	5.81	4.63	3.84	3.27	2.81	2.41	2.04	1.71	1.45	1.24	1.03	0.85	0.85	0.85
V 30.0	7.07	5.47	4.37	3.67	3.14	2.69	2.31	1.95	1.64	1.38	1.18	0.98	0.81	0.81	0.81
V 32.5	6.53	5.05	4.18	3.53	3.00	2.56	2.18	1.84	1.55	1.32	1.12	0.93	0.77	0.77	0.77
V 35.0	6.06	4.84	4.00	3.35	2.82	2.41	2.05	1.73	1.46	1.24	1.05	0.88	0.74	0.74	0.74
V 37.5	5.71	4.62	3.80	3.15	2.65	2.25	1.92	1.61	1.37	1.17	0.99	0.83	0.71	0.71	0.71
V 40.0	5.39	4.37	3.55	2.92	2.45	2.11	1.78	1.50	1.27	1.09	0.93	0.79	0.67	0.67	0.67
V 42.5	5.06	4.04	3.25	2.67	2.28	1.94	1.63	1.38	1.19	1.02	0.87	0.74	0.64	0.64	0.64
V 45.0	4.59	3.64	2.93	2.46	2.09	1.76	1.49	1.28	1.11	0.95	0.82	0.70	0.61	0.61	0.61
V 47.5	4.06	3.21	2.65	2.23	1.88	1.60	1.37	1.19	1.03	0.89	0.76	0.66	0.58	0.58	0.58
V 50.0	3.51	2.82	2.37	2.00	1.71	1.46	1.26	1.10	0.95	0.83	0.72	0.63	0.55	0.55	0.55
V 52.5	2.98	2.51	2.13	1.81	1.55	1.34	1.17	1.01	0.89	0.77	0.68	0.60	0.53	0.53	0.53
V 55.0	2.65	2.24	1.89	1.63	1.40	1.23	1.07	0.94	0.82	0.72	0.64	0.57	0.51	0.51	0.51
V 57.5	2.30	1.96	1.67	1.46	1.27	1.12	0.98	0.87	0.76	0.69	0.61	0.55	0.50	0.50	0.50
V 60.0	1.95	1.69	1.48	1.30	1.15	1.01	0.90	0.80	0.72	0.65	0.59	0.53	0.49	0.49	0.49
V 62.5	1.66	1.46	1.30	1.15	1.03	0.91	0.83	0.75	0.68	0.62	0.56	0.52	0.48	0.48	0.48
V 65.0	1.42	1.27	1.14	1.02	0.92	0.84	0.77	0.70	0.65	0.59	0.54	0.50	0.47	0.47	0.47
V 67.5	1.24	1.12	1.02	0.92	0.84	0.78	0.72	0.66	0.61	0.56	0.53	0.50	0.47	0.47	0.47
V 70.0	1.08	0.99	0.91	0.84	0.78	0.73	0.67	0.62	0.58	0.55	0.52	0.49	0.47	0.47	0.47
V 72.5	0.96	0.89	0.83	0.77	0.72	0.67	0.63	0.60	0.56	0.53	0.51	0.48	0.46	0.46	0.46
V 75.0	0.85	0.80	0.75	0.71	0.67	0.63	0.60	0.57	0.54	0.52	0.49	0.47	0.46	0.46	0.46
V 77.5	0.75	0.71	0.68	0.65	0.62	0.59	0.56	0.54	0.52	0.50	0.48	0.46	0.45	0.45	0.45
V 80.0	0.66	0.63	0.61	0.58	0.56	0.54	0.53	0.51	0.49	0.48	0.47	0.46	0.45	0.45	0.45
V 82.5	0.57	0.55	0.54	0.53	0.52	0.50	0.49	0.48	0.47	0.47	0.45	0.44	0.43	0.43	0.43
V 85.0	0.51	0.50	0.49	0.48	0.47	0.46	0.45	0.44	0.43	0.42	0.41	0.41	0.40	0.40	0.40
V 87.5	0.45	0.45	0.44	0.41	0.39	0.36	0.34	0.31	0.29	0.27	0.25	0.24	0.22	0.22	0.22
V 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire

Code 217231.140
Name START AS MH-T 400W

Measurerm.

Code CL2303/09-20A
Name EVOLUTION AS SHP-T 400W

Luminaire Flux	30534.24 lm			Luminaire Power		420.00 W		Efficacy		72.70 lm/W		Efficiency		76.34%	
Lamps Flux	40000.00 lm			Maximum value		763.37 cd/klm		Position		H=13.00 V=52.50		VH		VH symm in H0	
Luminous Intensity Table cd/klm Table 7/7															
	H 78.00	H 79.00	H 80.00	H 81.00	H 82.00	H 83.00	H 84.00	H 85.00	H 86.00	H 87.00	H 88.00	H 89.00	H 90.00		
V-90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V-87.5	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
V-85.0	0.04	0.04	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
V-82.5	0.05	0.05	0.05	0.04	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00
V-80.0	0.07	0.06	0.06	0.05	0.05	0.04	0.03	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00
V-77.5	0.10	0.08	0.07	0.06	0.05	0.05	0.04	0.03	0.03	0.02	0.01	0.00	0.00	0.00	0.00
V-75.0	0.13	0.11	0.09	0.08	0.06	0.05	0.05	0.04	0.03	0.02	0.01	0.01	0.01	0.00	0.00
V-72.5	0.16	0.13	0.12	0.10	0.08	0.06	0.06	0.04	0.03	0.02	0.01	0.01	0.01	0.00	0.00
V-70.0	0.18	0.16	0.14	0.12	0.10	0.08	0.06	0.05	0.03	0.03	0.02	0.01	0.01	0.00	0.00
V-67.5	0.21	0.18	0.16	0.14	0.12	0.09	0.07	0.05	0.03	0.03	0.02	0.01	0.01	0.00	0.00
V-65.0	0.23	0.20	0.18	0.15	0.13	0.11	0.08	0.05	0.04	0.03	0.02	0.01	0.01	0.00	0.00
V-62.5	0.26	0.23	0.20	0.17	0.15	0.12	0.09	0.06	0.05	0.04	0.02	0.01	0.01	0.00	0.00
V-60.0	0.29	0.25	0.22	0.19	0.16	0.13	0.10	0.07	0.05	0.04	0.02	0.01	0.01	0.00	0.00
V-57.5	0.32	0.28	0.24	0.20	0.17	0.14	0.11	0.07	0.05	0.04	0.03	0.01	0.01	0.00	0.00
V-55.0	0.35	0.30	0.26	0.22	0.19	0.15	0.12	0.08	0.06	0.04	0.03	0.01	0.01	0.00	0.00
V-52.5	0.38	0.33	0.28	0.24	0.20	0.16	0.12	0.08	0.06	0.04	0.03	0.01	0.01	0.00	0.00
V-50.0	0.41	0.35	0.30	0.25	0.21	0.17	0.13	0.09	0.06	0.05	0.03	0.01	0.01	0.00	0.00
V-47.5	0.44	0.38	0.32	0.27	0.22	0.18	0.13	0.09	0.06	0.05	0.03	0.01	0.01	0.00	0.00
V-45.0	0.47	0.40	0.34	0.28	0.23	0.19	0.14	0.10	0.06	0.05	0.03	0.02	0.01	0.00	0.00
V-42.5	0.50	0.42	0.36	0.30	0.24	0.19	0.14	0.10	0.06	0.05	0.03	0.02	0.01	0.00	0.00
V-40.0	0.54	0.45	0.37	0.31	0.25	0.20	0.15	0.10	0.06	0.05	0.03	0.02	0.01	0.00	0.00
V-37.5	0.57	0.47	0.39	0.32	0.26	0.20	0.15	0.10	0.06	0.05	0.04	0.02	0.01	0.00	0.00
V-35.0	0.61	0.49	0.40	0.33	0.27	0.21	0.15	0.11	0.07	0.05	0.04	0.02	0.01	0.00	0.00
V-32.5	0.64	0.52	0.42	0.34	0.27	0.21	0.16	0.11	0.07	0.06	0.04	0.02	0.01	0.00	0.00
V-30.0	0.68	0.55	0.44	0.35	0.28	0.21	0.16	0.11	0.07	0.06	0.04	0.02	0.01	0.00	0.00
V-27.5	0.72	0.58	0.45	0.36	0.28	0.22	0.16	0.11	0.07	0.06	0.04	0.02	0.01	0.00	0.00
V-25.0	0.75	0.60	0.47	0.37	0.29	0.22	0.16	0.11	0.08	0.06	0.04	0.02	0.01	0.00	0.00
V-22.5	0.79	0.63	0.48	0.37	0.29	0.22	0.16	0.11	0.08	0.06	0.04	0.02	0.01	0.00	0.00
V-20.0	0.82	0.65	0.50	0.38	0.29	0.22	0.16	0.11	0.08	0.06	0.04	0.02	0.01	0.00	0.00
V-17.5	0.84	0.67	0.51	0.39	0.30	0.22	0.16	0.11	0.08	0.06	0.04	0.02	0.01	0.00	0.00
V-15.0	0.87	0.69	0.52	0.39	0.30	0.22	0.16	0.11	0.08	0.06	0.04	0.02	0.01	0.00	0.00
V-12.5	0.89	0.70	0.53	0.40	0.30	0.22	0.16	0.11	0.08	0.05	0.04	0.02	0.01	0.00	0.00
V-10.0	0.90	0.71	0.54	0.40	0.30	0.22	0.16	0.11	0.08	0.05	0.04	0.02	0.01	0.00	0.00
V -7.5	0.92	0.72	0.54	0.41	0.30	0.22	0.16	0.11	0.08	0.05	0.04	0.02	0.01	0.00	0.00
V -5.0	0.92	0.73	0.55	0.41	0.30	0.22	0.16	0.11	0.08	0.05	0.04	0.02	0.01	0.00	0.00
V -2.5	0.93	0.73	0.55	0.41	0.31	0.23	0.16	0.11	0.08	0.06	0.04	0.02	0.01	0.00	0.00
V 0.0	0.93	0.73	0.55	0.41	0.31	0.23	0.16	0.11	0.08	0.06	0.04	0.02	0.01	0.00	0.00
V 2.5	0.92	0.72	0.55	0.41	0.31	0.23	0.16	0.11	0.08	0.06	0.04	0.02	0.01	0.00	0.00
V 5.0	0.91	0.72	0.55	0.41	0.31	0.23	0.16	0.12	0.09	0.06	0.05	0.02	0.01	0.00	0.00
V 7.5	0.90	0.71	0.54	0.41	0.31	0.23	0.17	0.12	0.09	0.07	0.05	0.03	0.01	0.00	0.00
V 10.0	0.88	0.70	0.54	0.41	0.32	0.24	0.17	0.12	0.09	0.07	0.05	0.03	0.01	0.00	0.00
V 12.5	0.86	0.68	0.54	0.41	0.32	0.24	0.17	0.12	0.10	0.08	0.06	0.03	0.01	0.00	0.00
V 15.0	0.84	0.67	0.53	0.41	0.32	0.24	0.17	0.13	0.10	0.08	0.06	0.03	0.01	0.00	0.00
V 17.5	0.81	0.66	0.52	0.41	0.32	0.24	0.18	0.13	0.10	0.08	0.06	0.03	0.01	0.00	0.00
V 20.0	0.78	0.64	0.52	0.41	0.32	0.24	0.18	0.14	0.11	0.09	0.07	0.03	0.01	0.00	0.00
V 22.5	0.76	0.62	0.51	0.41	0.32	0.25	0.18	0.14	0.11	0.09	0.07	0.04	0.01	0.00	0.00
V 25.0	0.73	0.61	0.49	0.40	0.32	0.25	0.19	0.15	0.12	0.10	0.07	0.04	0.01	0.00	0.00
V 27.5	0.71	0.59	0.48	0.40	0.32	0.25	0.19	0.15	0.13	0.10	0.08	0.04	0.01	0.00	0.00
V 30.0	0.68	0.57	0.48	0.39	0.32	0.25	0.19	0.16	0.13	0.11	0.08	0.04	0.01	0.00	0.00
V 32.5	0.66	0.55	0.46	0.39	0.32	0.25	0.19	0.16	0.14	0.12	0.09	0.04	0.01	0.00	0.00
V 35.0	0.63	0.53	0.45	0.38	0.32	0.25	0.20	0.17	0.15	0.12	0.09	0.04	0.01	0.00	0.00
V 37.5	0.60	0.52	0.44	0.38	0.31	0.25	0.21	0.17	0.15	0.13	0.10	0.04	0.01	0.00	0.00
V 40.0	0.58	0.50	0.43	0.37	0.31	0.26	0.21	0.18	0.16	0.14	0.10	0.04	0.01	0.00	0.00
V 42.5	0.55	0.48	0.42	0.37	0.31	0.26	0.22	0.19	0.17	0.14	0.10	0.04	0.01	0.00	0.00
V 45.0	0.53	0.47	0.41	0.36	0.31	0.26	0.23	0.20	0.18	0.15	0.11	0.04	0.01	0.00	0.00
V 47.5	0.51	0.45	0.40	0.36	0.31	0.27	0.24	0.21	0.19	0.16	0.11	0.04	0.01	0.00	0.00
V 50.0	0.49	0.44	0.40	0.35	0.31	0.27	0.25	0.22	0.20	0.17	0.12	0.04	0.01	0.00	0.00
V 52.5	0.48	0.43	0.39	0.35	0.31	0.28	0.26	0.24	0.21	0.17	0.12	0.04	0.01	0.00	0.00
V 55.0	0.47	0.43	0.39	0.35	0.32	0.29	0.27	0.25	0.22	0.18	0.13	0.04	0.01	0.00	0.00
V 57.5	0.46	0.42	0.39	0.35	0.32	0.30	0.28	0.26	0.23	0.19	0.13	0.04	0.01	0.00	0.00
V 60.0	0.45	0.42	0.39	0.36	0.33	0.32	0.30	0.28	0.24	0.20	0.13	0.03	0.01	0.00	0.00
V 62.5	0.45	0.42	0.39	0.36	0.34	0.33	0.31	0.29	0.26	0.20	0.13	0.03	0.01	0.00	0.00
V 65.0	0.45	0.42	0.39	0.37	0.36	0.34	0.33	0.31	0.27	0.21	0.12	0.03	0.01	0.00	0.00
V 67.5	0.44	0.42	0.40	0.38	0.37	0.36	0.35	0.32	0.28	0.22	0.11	0.03	0.01	0.00	0.00
V 70.0	0.44	0.42	0.41	0.39	0.38	0.38	0.36	0.33	0.29	0.23	0.10	0.03	0.01	0.00	0.00
V 72.5	0.44	0.43	0.41	0.40	0.40	0.39	0.38	0.35	0.30	0.21	0.09	0.02	0.01	0.00	0.00
V 75.0	0.44	0.43	0.42	0.42	0.41	0.40	0.39	0.36	0.31	0.18	0.08	0.02	0.01	0.00	0.00
V 77.5	0.44	0.43	0.43	0.42	0.42	0.41	0.40	0.37	0.27	0.15	0.07	0.02	0.01	0.00	0.00
V 80.0	0.44	0.43	0.42	0.42	0.42	0.42	0.42	0.33	0.22	0.12	0.05	0.01	0.01	0.00	0.00
V 82.5	0.42	0.41	0.41	0.42	0.43	0.39	0.33	0.25	0.17	0.09	0.04	0.01	0.01	0.00	0.00
V 85.0	0.40	0.37	0.35	0.32	0.30	0.26	0.22	0.17	0.11	0.06	0.03	0.01	0.01	0.00	0.00
V 87.5	0.21	0.19	0.17	0.16	0.15	0.13	0.11	0.08	0.06	0.03	0.01	0.00	0.01	0.00	0.00
V 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00