

**Luminaire**

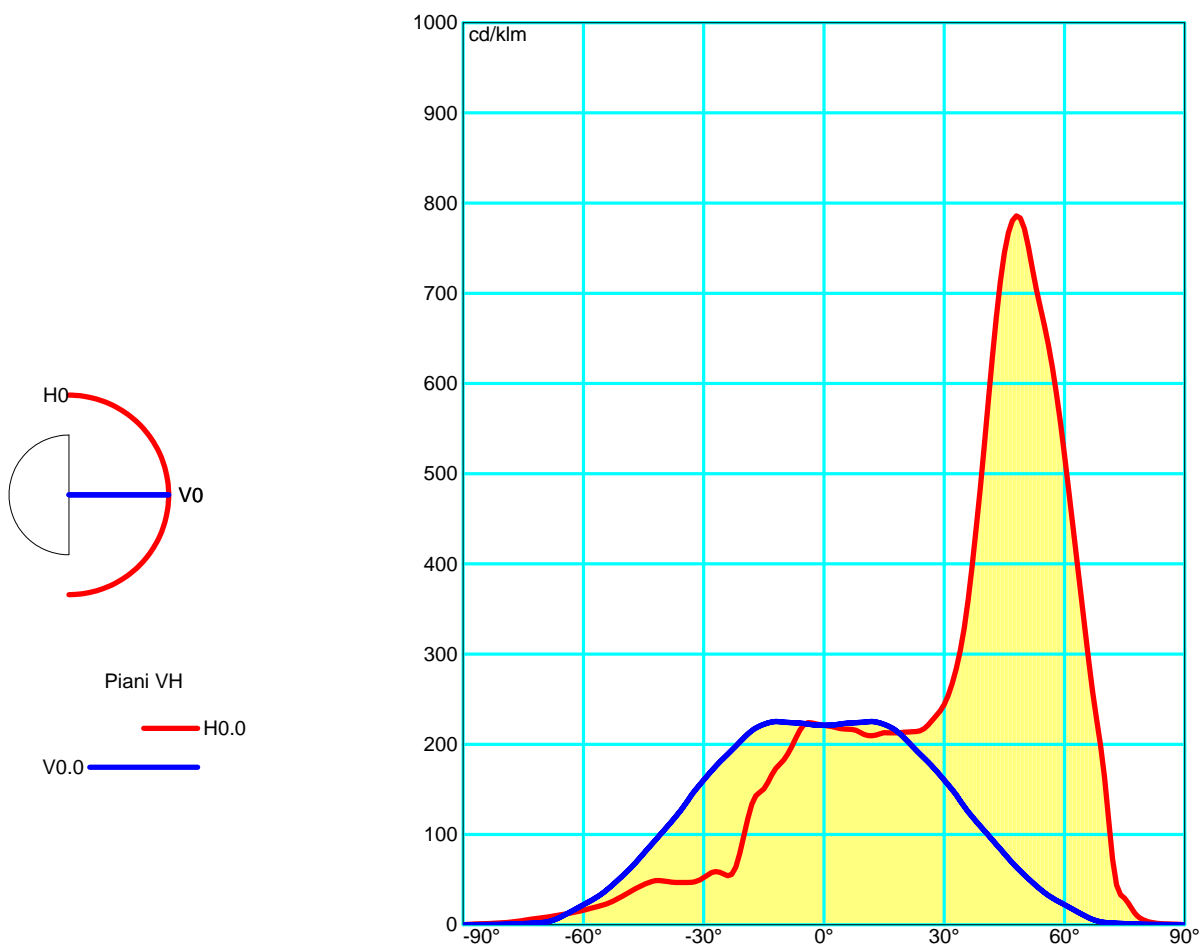
Code 217131.125  
Name START AS HPS-T 250W

**Measur.**

Code CL2303/09-19A  
Name START AS SHP-T 250W

Luminaire Flux	22659.46 lm	Luminaire Power	250.00 W	Efficacy	90.64 lm/W	Efficiency	68.25%
Lamps Flux	33200.00 lm	Maximum value	784.10 cd/klm	Position	H=0.00 V=47.50	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		27000.00 lm	
Operator		CLUCE		Source Voltage [V]			
Temperature				Source current [A]			
Humidity				Photocell			
Notes		1 * NAVT250 = 27000 lm					

Line	Code	Luminaire Lamps	Flux [lm]	Pow. [W]	Q.ty
OSRAM ILCOS STH,SD,ST,SE,LS	NAV-T 250 SUPER 4Y	Name VIALOX® NAV-T 250 SUPER 4Y E40	33200.00	250.00	1



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Luminaire Flux		22659.46 lm		Luminaire Power		250.00 W		Efficacy		90.64 lm/W		Efficiency		68.25%	
Lamps Flux		33200.00 lm		Maximum value		784.10 cd/klm		Position		H=0.00 V=47.50		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	0.66	0.67	0.67	0.67	0.67	0.67	0.66	0.66	0.65	0.65	0.64	0.64	0.63	0.63	0.63
V-85.0	1.34	1.34	1.34	1.33	1.33	1.33	1.33	1.32	1.32	1.31	1.31	1.30	1.29	1.29	1.29
V-82.5	1.49	1.51	1.51	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52
V-80.0	2.02	2.02	2.03	2.03	2.04	2.05	2.06	2.07	2.07	2.08	2.08	2.08	2.07	2.07	2.07
V-77.5	3.21	3.23	3.24	3.25	3.26	3.27	3.28	3.29	3.30	3.30	3.28	3.26	3.22	3.22	3.22
V-75.0	4.87	4.88	4.88	4.89	4.89	4.90	4.91	4.92	4.92	4.91	4.89	4.84	4.77	4.77	4.77
V-72.5	6.47	6.47	6.48	6.48	6.49	6.49	6.50	6.51	6.51	6.50	6.47	6.41	6.34	6.34	6.34
V-70.0	7.92	7.92	7.93	7.93	7.93	7.94	7.94	7.95	7.95	7.94	7.92	7.89	7.83	7.83	7.83
V-67.5	9.60	9.61	9.62	9.62	9.62	9.61	9.61	9.61	9.61	9.60	9.59	9.57	9.53	9.53	9.53
V-65.0	11.45	11.47	11.49	11.50	11.51	11.51	11.52	11.52	11.51	11.50	11.48	11.45	11.40	11.40	11.40
V-62.5	13.56	13.61	13.63	13.65	13.65	13.65	13.64	13.62	13.60	13.57	13.54	13.49	13.43	13.43	13.43
V-60.0	16.14	16.16	16.18	16.18	16.17	16.14	16.11	16.06	16.02	15.97	15.91	15.84	15.74	15.74	15.74
V-57.5	18.99	19.01	19.02	19.01	18.99	18.95	18.89	18.83	18.76	18.70	18.64	18.56	18.43	18.43	18.43
V-55.0	21.94	21.98	22.00	22.01	21.99	21.96	21.92	21.87	21.81	21.76	21.70	21.60	21.45	21.45	21.45
V-52.5	26.26	26.40	26.47	26.50	26.48	26.43	26.35	26.25	26.14	26.06	25.99	25.90	25.76	25.76	25.76
V-50.0	32.45	32.56	32.63	32.66	32.64	32.58	32.49	32.38	32.28	32.17	32.06	31.94	31.81	31.81	31.81
V-47.5	38.74	38.83	38.92	38.99	39.05	39.11	39.17	39.24	39.31	39.33	39.32	39.28	39.22	39.22	39.22
V-45.0	44.08	44.19	44.27	44.34	44.42	44.50	44.58	44.66	44.74	44.80	44.82	44.77	44.64	44.64	44.64
V-42.5	48.56	48.43	48.38	48.36	48.38	48.43	48.51	48.61	48.63	48.61	48.56	48.49	48.38	48.38	48.38
V-40.0	48.44	48.42	48.41	48.39	48.36	48.32	48.28	48.27	48.26	48.25	48.21	48.15	48.03	48.03	48.03
V-37.5	47.03	47.06	47.06	47.06	47.04	47.01	47.00	47.06	47.16	47.24	47.28	47.27	47.21	47.21	47.21
V-35.0	46.81	46.87	46.92	46.94	46.95	46.96	47.03	47.13	47.24	47.32	47.39	47.39	47.32	47.32	47.32
V-32.5	47.42	47.55	47.57	47.58	47.56	47.54	47.52	47.67	47.81	47.90	47.92	47.92	47.90	47.90	47.90
V-30.0	52.04	52.06	52.08	52.16	52.29	52.38	52.40	52.38	52.42	52.64	52.81	52.84	52.80	52.80	52.80
V-27.5	58.62	58.28	58.22	58.36	58.68	58.99	59.04	58.98	59.11	59.39	59.51	59.34	59.26	59.26	59.26
V-25.0	56.17	56.16	56.19	56.29	56.48	56.72	56.95	57.11	57.22	57.47	57.73	57.81	57.85	57.85	57.85
V-22.5	58.72	60.53	60.86	60.60	60.04	59.58	60.43	60.90	60.71	60.95	61.76	61.46	62.07	62.07	62.07
V-20.0	98.39	98.61	98.63	98.74	98.81	98.81	98.95	99.29	99.38	99.37	99.54	99.54	99.56	99.56	99.56
V-17.5	139.31	137.98	137.67	138.19	139.03	138.67	138.07	138.52	138.76	138.77	139.47	138.75	138.85	138.85	138.85
V-15.0	150.40	150.38	150.50	150.83	151.03	150.60	150.36	150.65	150.08	150.23	149.70	149.85	149.23	149.23	149.23
V-12.5	170.20	169.67	169.80	170.23	170.47	170.25	170.14	169.64	169.28	168.92	168.72	168.14	167.74	167.74	167.74
V-10.0	182.73	183.21	183.82	184.54	185.16	185.61	185.88	185.89	185.91	185.90	185.81	186.03	186.18	186.18	186.18
V -7.5	202.27	202.78	203.26	203.71	204.01	204.31	205.11	205.95	206.88	207.78	208.48	208.76	208.73	208.73	208.73
V -5.0	221.71	221.31	220.89	221.18	221.63	222.68	222.80	223.52	224.17	224.68	225.00	224.78	224.54	224.54	224.54
V -2.5	223.16	222.71	222.57	222.82	223.27	223.71	224.54	225.21	225.91	226.51	226.81	226.57	225.79	225.79	225.79
V 0.0	221.07	221.23	221.24	221.77	222.56	223.25	223.58	223.70	223.85	224.16	224.59	225.06	225.25	225.25	225.25
V 2.5	219.14	219.47	219.85	220.34	220.89	221.49	222.08	222.61	223.01	223.29	223.54	223.82	224.05	224.05	224.05
V 5.0	216.95	217.27	217.64	217.97	218.46	218.93	219.53	220.10	220.56	220.87	221.12	221.33	221.49	221.49	221.49
V 7.5	216.38	216.28	216.57	216.88	216.91	217.27	217.37	217.64	217.95	218.27	218.55	218.71	218.76	218.76	218.76
V 10.0	210.96	211.29	211.68	212.04	212.28	212.64	213.19	213.68	214.25	214.83	215.34	215.97	216.55	216.55	216.55
V 12.5	209.77	210.19	210.41	210.76	211.29	211.93	212.54	213.20	213.82	214.42	215.06	215.86	216.60	216.60	216.60
V 15.0	212.84	212.66	212.49	212.62	213.11	213.88	214.63	215.19	215.77	216.05	216.44	216.94	217.56	217.56	217.56
V 17.5	212.66	212.66	212.70	212.89	213.34	213.91	214.49	215.02	215.53	216.01	216.45	217.03	217.47	217.47	217.47
V 20.0	213.37	213.14	213.08	213.29	213.72	214.33	215.11	215.92	216.60	217.22	217.66	217.94	218.09	218.09	218.09
V 22.5	214.02	213.85	213.81	214.01	214.40	214.94	215.63	216.33	216.98	217.66	218.19	218.44	218.58	218.58	218.58
V 25.0	217.36	217.41	217.60	217.92	218.34	218.86	219.39	219.84	220.31	220.72	220.93	221.13	221.38	221.38	221.38
V 27.5	229.17	228.90	228.77	228.71	228.74	228.89	229.20	229.56	229.83	230.03	230.30	230.65	230.77	230.77	230.77
V 30.0	244.11	244.00	244.12	244.41	244.79	245.20	245.56	245.85	246.07	246.70	247.29	247.71	248.11	248.11	248.11
V 32.5	275.00	275.35	275.57	275.88	276.16	276.42	276.67	277.37	278.02	278.55	278.99	279.67	280.56	280.56	280.56
V 35.0	328.65	328.44	328.80	329.49	330.27	330.98	331.49	331.74	331.89	332.15	333.93	335.58	336.64	336.64	336.64
V 37.5	418.49	418.20	418.06	418.15	418.15	418.08	418.08	418.55	419.75	421.23	422.89	424.46	425.89	425.89	425.89
V 40.0	531.87	530.94	530.63	530.56	530.37	530.10	529.95	530.06	530.47	531.10	531.94	532.97	533.90	533.90	533.90
V 42.5	652.03	650.31	649.68	649.20	648.55	647.67	646.72	645.84	644.78	643.99	643.74	644.02	644.60	644.60	644.60
V 45.0	744.65	743.71	742.83	741.71	740.07	737.95	735.73	733.79	732.49	731.83	731.76	731.71	730.45	730.45	730.45
V 47.5	784.10	781.69	780.23	778.63	776.82	774.77	772.58	770.29	767.85	764.68	761.90	759.86	758.76	758.76	758.76
V 50.0	771.78	770.83	769.54	767.88	765.82	763.37	760.67	757.90	755.24	752.88	750.93	749.45	748.14	748.14	748.14
V 52.5	715.48	715.82	715.49	714.85	713.90	712.70	711.25	709.56	707.68	705.66	703.61	701.53	699.51	699.51	699.51
V 55.0	664.55	664.23	663.65	662.84	661.82	660.61	659.23	657.72	656.11	654.45	652.78	651.09	649.34	649.34	649.34
V 57.5	604.26	603.02	602.06	600.92	599.64	598.31	596.97	595.65	594.38	593.19	591.94	590.56	589.16	589.16	589.16
V 60.0	520.36	520.31	519.96	519.40	518.71	517.97									

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Lamps Flux	33200.00 lm			Maximum value		784.10 cd/klm		Position		H=0.00 V=47.50		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	0.00	0.00
V-87.5	0.62	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.54	0.52	0.51	0.49	0.49	0.49
V-85.0	1.28	1.27	1.26	1.25	1.24	1.22	1.21	1.19	1.18	1.16	1.15	1.13	1.11	1.11	1.11
V-82.5	1.51	1.51	1.50	1.49	1.47	1.46	1.45	1.43	1.42	1.41	1.40	1.39	1.38	1.38	1.38
V-80.0	2.06	2.05	2.03	2.01	1.99	1.96	1.94	1.91	1.88	1.85	1.83	1.80	1.77	1.77	1.77
V-77.5	3.18	3.12	3.05	2.97	2.90	2.82	2.75	2.68	2.61	2.55	2.50	2.44	2.38	2.38	2.38
V-75.0	4.69	4.58	4.46	4.32	4.17	4.02	3.87	3.73	3.60	3.48	3.37	3.27	3.18	3.18	3.18
V-72.5	6.24	6.11	5.96	5.79	5.60	5.40	5.21	5.01	4.82	4.64	4.47	4.31	4.17	4.17	4.17
V-70.0	7.75	7.64	7.49	7.32	7.12	6.90	6.68	6.46	6.23	6.01	5.79	5.58	5.38	5.38	5.38
V-67.5	9.46	9.36	9.22	9.04	8.83	8.59	8.33	8.05	7.77	7.48	7.19	6.91	6.64	6.64	6.64
V-65.0	11.32	11.20	11.04	10.84	10.61	10.33	10.02	9.68	9.32	8.95	8.59	8.23	7.89	7.89	7.89
V-62.5	13.33	13.19	13.00	12.76	12.48	12.14	11.76	11.35	10.90	10.44	9.98	9.52	9.09	9.09	9.09
V-60.0	15.60	15.41	15.18	14.89	14.55	14.16	13.72	13.23	12.72	12.19	11.64	11.09	10.56	10.56	10.56
V-57.5	18.25	18.01	17.71	17.34	16.92	16.44	15.92	15.35	14.75	14.13	13.51	12.88	12.25	12.25	12.25
V-55.0	21.23	20.97	20.65	20.26	19.82	19.31	18.77	18.16	17.49	16.75	16.02	15.31	14.60	14.60	14.60
V-52.5	25.56	25.27	24.91	24.53	24.09	23.57	22.96	22.27	21.49	20.62	19.68	18.80	17.98	17.98	17.98
V-50.0	31.67	31.45	31.11	30.65	30.09	29.46	28.69	27.81	26.84	25.80	24.70	23.58	22.50	22.50	22.50
V-47.5	39.11	38.89	38.44	37.81	37.03	36.13	35.06	33.88	32.59	31.22	29.81	28.41	27.01	27.01	27.01
V-45.0	44.43	44.14	43.75	43.19	42.40	41.40	40.22	38.90	37.45	35.87	34.08	32.29	30.53	30.53	30.53
V-42.5	48.17	47.79	47.38	46.92	46.16	45.04	43.67	42.05	40.24	38.38	36.36	34.22	32.09	32.09	32.09
V-40.0	47.82	47.48	47.02	46.44	45.69	44.75	43.55	42.08	40.29	38.43	36.52	34.53	32.52	32.52	32.52
V-37.5	47.06	46.77	46.29	45.65	44.78	43.67	42.42	40.88	39.14	37.23	35.25	33.46	31.66	31.66	31.66
V-35.0	47.21	46.99	46.59	46.00	45.16	44.08	42.70	41.15	39.48	37.65	35.75	33.92	32.26	32.26	32.26
V-32.5	47.71	47.41	47.16	46.58	45.79	44.74	43.37	41.90	40.27	38.77	37.08	35.42	33.83	33.83	33.83
V-30.0	52.68	52.34	51.88	51.22	50.30	49.15	47.69	46.11	44.37	42.72	41.05	39.34	37.67	37.67	37.67
V-27.5	58.97	58.53	58.19	57.22	56.28	54.67	52.83	50.83	49.00	46.52	44.23	42.44	40.68	40.68	40.68
V-25.0	57.77	57.41	56.94	56.25	55.26	53.89	52.38	50.75	49.97	48.28	46.44	44.88	43.24	43.24	43.24
V-22.5	61.77	61.64	60.87	60.55	59.20	58.53	56.94	55.16	53.45	52.00	51.45	48.44	46.56	46.56	46.56
V-20.0	99.32	99.03	98.33	97.53	96.51	95.16	93.81	92.16	90.10	88.27	86.54	84.51	82.34	82.34	82.34
V-17.5	137.83	137.06	136.15	134.62	133.39	131.64	129.63	127.55	125.18	122.98	120.88	118.26	115.81	115.81	115.81
V-15.0	148.75	147.66	146.20	145.01	143.40	141.65	139.53	137.17	135.30	133.48	131.00	128.21	126.61	126.61	126.61
V-12.5	167.10	166.14	164.85	163.21	161.38	158.94	156.36	153.96	151.64	149.13	146.50	143.98	141.22	141.22	141.22
V-10.0	185.93	185.19	184.36	183.02	181.38	179.26	176.54	173.58	170.76	168.02	164.68	160.57	156.18	156.18	156.18
V -7.5	208.22	207.12	205.91	204.40	202.55	200.15	197.26	194.04	190.41	186.44	182.09	177.29	172.46	172.46	172.46
V -5.0	223.48	221.62	219.99	217.89	215.40	212.49	209.19	205.51	201.37	196.81	191.83	186.41	180.63	180.63	180.63
V -2.5	224.69	223.41	221.61	219.34	217.15	214.78	211.34	207.70	203.60	199.30	194.73	189.84	184.81	184.81	184.81
V 0.0	224.80	223.65	222.12	220.40	218.21	215.19	211.33	206.99	202.52	197.99	193.46	188.97	184.58	184.58	184.58
V 2.5	223.98	223.54	222.72	221.22	219.33	216.98	214.07	210.74	206.24	201.37	196.51	191.69	186.89	186.89	186.89
V 5.0	221.25	220.70	219.91	218.57	216.93	214.97	212.72	209.98	206.51	202.49	198.13	193.51	188.60	188.60	188.60
V 7.5	218.61	218.18	217.48	216.25	214.65	212.64	210.22	207.47	204.27	200.84	197.22	193.46	189.72	189.72	189.72
V 10.0	216.85	216.83	216.43	215.22	213.64	211.70	209.37	206.63	203.30	199.72	195.94	191.87	187.70	187.70	187.70
V 12.5	216.99	216.96	216.63	215.91	214.80	212.84	210.38	207.59	204.38	200.83	197.16	193.33	189.14	189.14	189.14
V 15.0	217.81	217.75	217.36	216.46	215.19	213.44	211.11	208.30	205.29	201.98	198.26	194.16	189.74	189.74	189.74
V 17.5	217.72	217.74	217.59	217.22	216.40	214.79	212.45	209.64	206.39	202.69	198.67	194.48	190.11	190.11	190.11
V 20.0	218.03	217.73	217.13	216.25	215.08	213.35	211.12	208.53	205.62	202.27	198.70	194.96	191.02	191.02	191.02
V 22.5	218.58	218.42	217.93	217.02	215.68	214.07	212.10	209.88	207.27	204.32	201.21	197.96	194.37	194.37	194.37
V 25.0	221.33	221.29	220.85	220.22	219.10	217.66	215.61	213.22	210.39	207.26	204.11	200.92	197.63	197.63	197.63
V 27.5	230.68	230.34	229.71	229.16	227.97	226.28	223.71	220.74	217.31	213.71	210.08	206.53	203.02	203.02	203.02
V 30.0	248.56	248.36	247.93	247.00	245.24	243.10	239.89	236.54	232.18	227.79	223.22	219.21	214.97	214.97	214.97
V 32.5	280.87	280.74	280.77	279.82	278.35	275.81	272.16	267.93	262.68	257.62	252.27	247.22	241.49	241.49	241.49
V 35.0	337.09	338.01	337.64	336.00	334.29	330.75	326.71	321.67	315.28	309.30	302.30	295.71	287.71	287.71	287.71
V 37.5	427.02	427.22	426.37	425.12	422.89	419.43	414.83	408.52	400.91	392.51	383.22	373.01	362.61	362.61	362.61
V 40.0	534.40	534.14	533.41	531.79	528.73	524.04	517.29	508.37	498.07	486.46	473.75	460.61	447.34	447.34	447.34
V 42.5	644.96	644.73	644.20	642.79	638.86	631.96	622.95	611.38	597.55	583.01	566.52	549.21	531.30	531.30	531.30
V 45.0	729.50	728.59	727.14	722.57	715.55	706.85	696.18	681.78	666.44	649.88	629.23	607.73	584.88	584.88	584.88
V 47.5	758.07	756.77	753.19	747.64	740.11	730.67	718.28	704.09	688.10	669.23	647.95	625.10	600.35	600.35	600.35
V 50.0	745.95	743.35	739.87	735.05	728.17	718.49	707.06	693.63	677.32	658.17	637.41	615.19	591.09	591.09	591.09
V 52.5	697.50	695.09	691.90	687.77	682.11	674.58	664.98	653.20	639.11	622.90	604.93	585.49	564.69	564.69	564.69
V 55.0	647.39	644.85	641.73	637.70	632.39	625.50	616.82	606.48	594.54	58					

**Luminaire**

Code 217131.125  
Name START AS HPS-T 250W

**Measurerm.**

Code CL2303/09-19A  
Name START AS SHP-T 250W

Luminaire Flux		22659.46 lm		Luminaire Power		250.00 W		Efficacy		90.64 lm/W		Efficiency		68.25%	
Lamps Flux		33200.00 lm		Maximum value		784.10 cd/klm		Position		H=0.00 V=47.50		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	0.48	0.46	0.45	0.44	0.42	0.41	0.39	0.38	0.37	0.35	0.34	0.33	0.31	0.31	0.31
V-85.0	1.10	1.08	1.06	1.05	1.03	1.01	0.99	0.98	0.96	0.94	0.92	0.89	0.86	0.86	0.86
V-82.5	1.36	1.35	1.34	1.32	1.30	1.28	1.25	1.23	1.20	1.18	1.15	1.12	1.10	1.10	1.10
V-80.0	1.75	1.73	1.70	1.68	1.65	1.61	1.58	1.54	1.50	1.46	1.43	1.39	1.35	1.35	1.35
V-77.5	2.33	2.27	2.22	2.17	2.12	2.07	2.02	1.97	1.92	1.87	1.82	1.76	1.71	1.71	1.71
V-75.0	3.09	3.00	2.92	2.83	2.76	2.68	2.61	2.54	2.48	2.41	2.34	2.27	2.20	2.20	2.20
V-72.5	4.04	3.92	3.80	3.69	3.58	3.48	3.37	3.27	3.17	3.07	2.97	2.88	2.78	2.78	2.78
V-70.0	5.19	5.01	4.84	4.67	4.52	4.38	4.23	4.09	3.95	3.81	3.66	3.52	3.38	3.38	3.38
V-67.5	6.38	6.13	5.89	5.65	5.43	5.21	5.01	4.82	4.64	4.46	4.28	4.10	3.93	3.93	3.93
V-65.0	7.56	7.24	6.93	6.62	6.34	6.07	5.82	5.57	5.34	5.12	4.91	4.70	4.50	4.50	4.50
V-62.5	8.67	8.26	7.88	7.52	7.18	6.86	6.56	6.29	6.03	5.78	5.54	5.30	5.06	5.06	5.06
V-60.0	10.04	9.56	9.09	8.65	8.25	7.87	7.52	7.19	6.88	6.57	6.29	6.00	5.71	5.71	5.71
V-57.5	11.66	11.10	10.58	10.06	9.60	9.15	8.71	8.31	7.93	7.56	7.21	6.87	6.53	6.53	6.53
V-55.0	13.89	13.26	12.64	12.05	11.52	11.02	10.51	10.02	9.53	9.03	8.60	8.16	7.74	7.74	7.74
V-52.5	17.19	16.45	15.73	14.98	14.30	13.67	13.06	12.46	11.84	11.19	10.56	9.94	9.38	9.38	9.38
V-50.0	21.48	20.52	19.61	18.71	17.79	16.86	15.96	15.12	14.30	13.48	12.66	11.86	11.09	11.09	11.09
V-47.5	25.61	24.25	22.98	21.79	20.67	19.56	18.48	17.37	16.34	15.34	14.41	13.48	12.58	12.58	12.58
V-45.0	28.78	27.08	25.36	23.77	22.32	20.98	19.71	18.49	17.33	16.23	15.21	14.23	13.30	13.30	13.30
V-42.5	30.04	28.10	26.25	24.48	22.87	21.42	20.11	18.88	17.71	16.62	15.60	14.61	13.65	13.65	13.65
V-40.0	30.40	28.43	26.59	24.94	23.35	21.91	20.59	19.37	18.23	17.14	16.13	15.18	14.23	14.23	14.23
V-37.5	29.88	28.06	26.46	24.98	23.64	22.36	21.21	20.13	19.05	17.96	16.89	15.94	15.00	15.00	15.00
V-35.0	30.68	29.13	27.58	26.14	24.83	23.63	22.46	21.44	20.44	19.39	18.30	17.27	16.34	16.34	16.34
V-32.5	32.49	31.18	29.83	28.52	27.30	26.13	24.92	23.63	22.55	21.55	20.55	19.45	18.48	18.48	18.48
V-30.0	36.05	34.52	33.03	31.73	30.44	29.27	28.03	26.67	25.36	24.39	23.64	22.41	21.10	21.10	21.10
V-27.5	38.92	37.15	35.55	34.34	33.36	32.09	30.61	29.50	28.14	26.92	25.87	25.02	23.74	23.74	23.74
V-25.0	39.74	37.52	35.12	34.92	33.79	33.07	32.32	31.72	30.56	29.44	27.82	27.39	27.12	27.12	27.12
V-22.5	47.56	45.46	42.50	40.71	41.30	41.29	39.17	36.47	35.85	37.91	38.42	36.40	32.94	32.94	32.94
V-20.0	81.03	79.69	77.50	75.80	74.57	73.18	71.54	69.63	68.49	67.63	65.67	62.43	59.33	59.33	59.33
V-17.5	114.33	112.95	110.69	108.02	105.73	103.96	102.50	100.45	96.41	93.16	88.93	85.08	82.70	82.70	82.70
V-15.0	125.40	123.45	120.79	118.24	116.16	113.76	109.67	105.83	102.15	99.46	95.89	92.13	88.36	88.36	88.36
V-12.5	137.58	133.56	129.80	126.41	122.99	119.07	114.70	110.14	105.82	102.57	98.32	94.39	90.63	90.63	90.63
V-10.0	151.73	147.39	142.93	138.20	133.17	127.92	122.64	117.47	112.39	107.40	102.46	97.71	93.38	93.38	93.38
V -7.5	167.11	161.42	155.24	148.85	142.60	136.51	130.57	124.83	119.23	113.70	108.32	103.20	98.50	98.50	98.50
V -5.0	174.55	168.34	162.12	155.90	149.74	143.67	137.66	131.73	125.93	120.33	115.07	109.99	105.06	105.06	105.06
V -2.5	179.40	173.84	168.03	161.95	155.89	150.10	144.40	138.49	132.36	126.33	120.92	115.78	110.71	110.71	110.71
V 0.0	180.30	175.85	170.89	165.49	160.11	155.04	149.87	144.02	137.55	131.07	125.10	119.60	114.37	114.37	114.37
V 2.5	182.23	177.53	172.66	167.55	162.36	156.99	151.54	145.86	139.92	133.92	127.88	122.01	116.56	116.56	116.56
V 5.0	183.40	178.17	173.19	168.41	163.47	158.08	152.46	146.85	141.33	135.75	129.97	124.16	118.65	118.65	118.65
V 7.5	185.47	180.92	175.84	170.43	164.98	159.45	153.94	148.44	142.88	137.29	131.70	126.11	120.52	120.52	120.52
V 10.0	183.54	179.42	174.99	170.19	165.17	159.97	154.68	149.28	143.69	138.03	132.37	126.70	121.05	121.05	121.05
V 12.5	184.28	179.21	174.33	169.61	164.63	159.09	153.54	148.37	143.50	138.35	132.86	127.28	121.81	121.81	121.81
V 15.0	184.91	180.08	175.41	170.82	165.94	160.57	155.05	149.89	144.97	139.97	134.74	129.37	124.03	124.03	124.03
V 17.5	185.66	181.44	177.18	172.81	168.18	163.14	157.79	152.64	147.72	142.64	137.29	131.83	126.49	126.49	126.49
V 20.0	186.93	182.85	178.76	174.50	169.97	165.18	160.24	155.30	150.16	144.76	139.21	133.64	128.23	128.23	128.23
V 22.5	190.32	186.02	181.60	177.12	172.55	167.83	162.88	157.65	152.17	146.82	141.38	135.84	130.27	130.27	130.27
V 25.0	193.97	189.84	185.37	180.81	176.21	171.55	166.66	161.49	156.16	150.74	145.12	139.32	133.46	133.46	133.46
V 27.5	199.11	194.78	190.32	185.77	181.25	176.63	171.82	166.79	161.46	155.70	149.66	143.56	137.40	137.40	137.40
V 30.0	210.23	205.52	200.64	195.88	190.88	185.57	180.49	175.22	169.44	163.19	156.60	149.78	142.75	142.75	142.75
V 32.5	235.46	229.49	223.58	217.74	211.36	205.20	199.06	192.57	185.73	178.16	170.11	161.93	153.66	153.66	153.66
V 35.0	280.52	272.91	265.63	257.57	249.34	241.55	233.47	225.04	215.52	205.38	194.88	184.17	173.46	173.46	173.46
V 37.5	352.57	342.52	331.51	320.11	308.61	297.32	285.66	273.01	259.45	244.99	230.43	215.77	201.31	201.31	201.31
V 40.0	433.69	419.51	404.06	388.86	373.45	358.50	342.32	325.72	306.99	288.20	268.96	249.94	231.15	231.15	231.15
V 42.5	511.04	491.38	470.61	450.93	431.08	411.38	390.49	368.87	346.34	323.90	300.86	277.94	254.38	254.38	254.38
V 45.0	560.64	537.53	513.54	490.74	467.54	443.57	419.30	394.25	370.07	345.36	320.53	294.67	269.40	269.40	269.40
V 47.5	574.90	549.84	524.30	499.15	473.84	448.42	423.65	399.63	375.73	350.82	325.33	299.43	274.32	274.32	274.32
V 50.0	566.45	541.47	516.07	491.24	467.02	443.32	420.05	395.89	371.22	345.98	320.69	295.96	272.05	272.05	272.05
V 52.5	542.81	520.32	497.60	474.91	452.26	429.36	406.17	382.65	358.91	335.11	311.55	288.27	265.38	265.38	265.38
V 55.0	513.93	494.19	473.59	452.36	430.76	409.16	387.49	365.60	343.54	321.34	298.90	276.65	254.53	254.53	254.53
V 57.5	477.21	459.39	440.92	422.14	402.24	382.24	362.28	341.56	320.55	299.62	277.78	255.63	233.95	233.95	233.95
V 60.0	418.83	403.92	388.23	371.83	354.57	336.92	318.93	300.24	280.98	261.39	241.62				

**Luminaire**

Code 217131.125  
Name START AS HPS-T 250W

**Measur.**

Code CL2303/09-19A  
Name START AS SHP-T 250W

Luminaire Flux	22659.46 lm			Luminaire Power		250.00 W		Efficacy		90.64 lm/W		Efficiency		68.25%	
Lamps Flux	33200.00 lm			Maximum value		784.10 cd/klm		Position		H=0.00 V=47.50		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	0.30	0.29	0.28	0.27	0.25	0.24	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.15
V-85.0	0.83	0.80	0.76	0.73	0.70	0.66	0.63	0.60	0.57	0.54	0.52	0.49	0.47	0.45	0.43
V-82.5	1.07	1.04	1.01	0.97	0.94	0.90	0.87	0.83	0.79	0.75	0.72	0.68	0.65	0.62	0.59
V-80.0	1.32	1.28	1.23	1.19	1.15	1.10	1.05	1.01	0.97	0.93	0.89	0.84	0.80	0.76	0.72
V-77.5	1.66	1.61	1.55	1.50	1.44	1.39	1.33	1.27	1.21	1.16	1.10	1.05	1.00	0.95	0.90
V-75.0	2.13	2.06	1.99	1.91	1.84	1.77	1.69	1.61	1.53	1.45	1.38	1.31	1.24	1.17	1.10
V-72.5	2.69	2.59	2.49	2.39	2.29	2.20	2.10	2.00	1.91	1.81	1.72	1.62	1.53	1.43	1.33
V-70.0	3.25	3.11	2.98	2.85	2.73	2.61	2.49	2.38	2.26	2.15	2.05	1.94	1.83	1.72	1.61
V-67.5	3.76	3.59	3.43	3.27	3.12	2.97	2.83	2.70	2.57	2.44	2.32	2.21	2.09	1.97	1.85
V-65.0	4.30	4.10	3.90	3.71	3.52	3.34	3.17	3.01	2.85	2.71	2.58	2.45	2.32	2.19	2.06
V-62.5	4.82	4.59	4.37	4.14	3.93	3.71	3.51	3.32	3.14	2.97	2.81	2.67	2.53	2.39	2.25
V-60.0	5.43	5.15	4.88	4.61	4.37	4.12	3.88	3.66	3.44	3.25	3.06	2.89	2.73	2.56	2.40
V-57.5	6.21	5.90	5.57	5.27	4.95	4.66	4.38	4.10	3.84	3.59	3.37	3.16	2.97	2.77	2.57
V-55.0	7.34	6.94	6.58	6.21	5.83	5.45	5.07	4.73	4.40	4.09	3.79	3.52	3.27	3.00	2.74
V-52.5	8.85	8.34	7.85	7.38	6.90	6.42	5.93	5.46	5.05	4.67	4.31	3.96	3.64	3.32	3.00
V-50.0	10.37	9.70	9.05	8.44	7.84	7.27	6.70	6.15	5.63	5.19	4.78	4.41	4.04	3.67	3.30
V-47.5	11.71	10.89	10.10	9.33	8.59	7.90	7.28	6.70	6.15	5.65	5.19	4.78	4.40	4.01	3.62
V-45.0	12.40	11.53	10.70	9.88	9.09	8.33	7.63	7.03	6.49	5.99	5.51	5.07	4.66	4.25	3.84
V-42.5	12.69	11.81	10.95	10.15	9.37	8.62	7.93	7.28	6.71	6.20	5.71	5.25	4.81	4.39	3.97
V-40.0	13.27	12.33	11.42	10.55	9.71	8.96	8.27	7.63	7.02	6.44	5.93	5.44	4.98	4.54	4.10
V-37.5	14.04	13.09	12.15	11.23	10.35	9.54	8.84	8.20	7.58	6.94	6.34	5.80	5.34	4.90	4.45
V-35.0	15.39	14.38	13.37	12.43	11.55	10.67	9.93	9.28	8.62	7.87	7.10	6.40	5.88	5.43	4.97
V-32.5	17.57	16.52	15.39	14.32	13.44	12.68	11.62	10.97	9.98	9.05	8.02	7.09	6.50	5.95	5.40
V-30.0	20.02	19.04	17.87	16.74	15.82	14.40	13.29	12.12	11.05	10.19	9.37	8.53	7.64	6.75	5.85
V-27.5	22.42	21.17	19.89	18.64	17.47	16.34	15.31	14.37	13.13	11.87	10.77	9.88	8.40	7.41	6.42
V-25.0	25.57	23.96	22.33	20.47	20.09	19.56	16.98	17.39	15.95	14.24	12.08	12.53	13.00	11.46	10.00
V-22.5	30.02	30.05	31.92	32.76	31.84	29.29	25.64	22.01	20.89	21.65	22.36	22.65	22.25	21.00	19.75
V-20.0	57.05	56.28	56.10	54.72	51.50	47.07	42.54	39.02	37.22	36.94	37.01	35.95	33.78	31.61	29.44
V-17.5	81.70	78.40	76.66	72.04	66.73	61.84	57.54	54.39	52.63	51.20	48.86	45.71	41.84	37.97	34.10
V-15.0	84.91	81.33	78.04	76.04	71.32	67.51	64.41	60.13	56.59	55.60	52.65	48.45	44.19	39.93	35.67
V-12.5	86.68	82.50	79.15	76.52	72.72	68.60	65.41	62.10	58.36	55.30	51.51	47.40	43.58	39.76	35.94
V-10.0	89.27	85.15	81.12	78.31	74.38	70.44	66.57	62.67	58.84	54.98	51.83	48.36	44.83	41.30	37.77
V -7.5	94.12	89.92	85.84	81.85	77.92	73.84	69.62	65.40	61.20	56.96	52.67	48.65	45.36	41.83	38.30
V -5.0	100.30	95.59	90.94	86.35	81.89	77.53	73.14	68.69	64.19	59.66	55.17	50.91	47.14	43.37	39.60
V -2.5	105.66	100.62	95.58	90.58	85.69	80.90	76.15	71.34	66.57	61.91	57.44	53.17	49.18	45.19	41.20
V 0.0	109.28	104.23	99.15	94.04	88.94	83.85	78.74	73.61	68.59	63.87	59.45	55.20	51.03	46.86	42.69
V 2.5	111.59	106.68	101.63	96.52	91.41	86.26	81.05	75.83	70.69	65.83	61.27	56.86	52.54	48.22	43.90
V 5.0	113.51	108.42	103.31	98.26	93.20	88.06	82.90	77.76	72.65	67.67	62.88	58.23	53.77	49.36	44.95
V 7.5	114.98	109.62	104.53	99.57	94.48	89.30	84.20	79.21	74.22	69.21	64.25	59.42	54.82	50.41	45.99
V 10.0	115.54	110.34	105.52	100.74	95.70	90.52	85.43	80.54	75.60	70.56	65.48	60.50	55.78	51.37	46.97
V 12.5	116.57	111.61	106.93	102.29	97.39	92.19	87.01	82.01	77.02	71.88	66.70	61.57	56.68	52.27	47.86
V 15.0	118.88	113.95	109.19	104.42	99.32	93.93	88.68	83.65	78.52	73.27	67.95	62.69	57.57	52.81	48.00
V 17.5	121.40	116.39	111.32	106.16	100.90	95.67	90.55	85.40	80.06	74.62	69.15	63.75	58.54	53.52	48.50
V 20.0	122.99	117.78	112.60	107.54	102.54	97.54	92.44	87.08	81.43	75.81	70.26	64.82	59.55	54.53	49.51
V 22.5	124.73	119.29	114.18	109.24	104.33	99.32	94.06	88.40	82.68	77.05	71.38	65.75	60.34	55.12	50.00
V 25.0	127.62	121.95	116.47	111.22	106.10	100.93	95.54	89.93	84.09	78.17	72.27	66.51	61.09	55.87	50.78
V 27.5	131.10	124.82	118.76	113.34	108.21	103.03	97.52	91.50	85.31	79.28	73.38	67.63	62.16	56.91	51.73
V 30.0	135.74	129.09	122.96	117.34	111.71	105.83	99.69	93.39	87.33	81.31	75.24	69.20	63.31	57.72	52.03
V 32.5	145.59	138.10	130.93	124.01	117.17	110.47	103.80	97.24	90.77	84.13	77.45	70.92	64.80	58.91	53.02
V 35.0	162.95	152.89	143.36	134.47	126.11	118.11	110.18	102.48	94.91	87.38	80.18	73.39	67.21	61.22	55.23
V 37.5	187.19	173.30	160.43	148.62	137.44	127.13	117.48	108.41	99.79	91.62	83.98	76.79	70.12	64.13	58.14
V 40.0	212.22	194.49	177.59	162.41	148.76	136.49	125.28	114.85	105.18	96.19	87.63	79.53	72.12	66.13	60.14
V 42.5	231.99	210.94	191.95	174.83	159.31	145.17	132.06	120.23	109.29	99.23	89.84	81.37	73.64	67.65	61.66
V 45.0	245.03	222.76	202.64	184.02	166.76	150.90	136.56	123.85	112.31	101.70	91.96	83.18	74.36	68.37	62.38
V 47.5	250.53	228.19	207.27	187.84	169.76	153.46	138.95	125.92	113.70	102.55	92.07	82.10	72.22	66.23	60.24
V 50.0	249.10	226.96	205.90	186.41	168.60	152.62	138.02	124.66	112.18	100.46	89.42	78.91	69.04	63.05	57.06
V 52.5	243.10	221.64	201.39	182.60	165.52	149.91	135.13	121.56	108.61	96.70	85.34	74.98	64.97	58.98	52.99
V 55.0	232.72	212.12	192.36	174.19	157.46	141.85	127.36	113.45	100.70	88.92	77.94	67.05	56.58	50.59	44.60
V 57.5	212.81	193.05	174.88	158.08	142.27	127.42	113.63	100.90	88.98	77.50	66.21	55.57	46.11	40.12	34.13
V 60.0	185.47	168.42	152.34	137.09	122.88	109.83	97.32	85.37	73.86	62.80	52.70	43.80	36.01	30.02	24.03
V 62.5	150.81	136.28	122.55	109.75	97.62	86.02	74.91	64.45	54.73	45.85	38.27	31.49	25.62	19.63	13.64
V 65.0	108.82	97.77	87.22	77.06	67.28	58.14	49.61	41.79	35.06	29.08	23.77	19.58	16.14	12.70	9.26
V 67.5	67.47	59.08	51.55	44.35	37.43	31.05	26.17	21.70	17.63	14.63	12.37	10.29	8.44	6.90	5.36
V 70.0	35.30	30.01	25.03	21.04	17.49	14.40	11.74	10.11	8.68	7.37	6.16	5.29	4.49	3.70	2.90
V 72.5	13.99	12.05	10.20	8.77	7.78	6.86	5.99	5.17	4.54</						

**Luminaire**

Code 217131.125  
Name START AS HPS-T 250W

**Measurerm.**

Code CL2303/09-19A  
Name START AS SHP-T 250W

Luminaire Flux	22659.46 lm		Luminaire Power		250.00 W		Efficacy		90.64 lm/W		Efficiency		68.25%	
Lamps Flux	33200.00 lm		Maximum value		784.10 cd/klm		Position		H=0.00 V=47.50		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
V-87.5	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.09	0.09	0.08	0.07	0.07	0.07	0.06
V-85.0	0.45	0.42	0.40	0.37	0.34	0.31	0.28	0.25	0.23	0.20	0.18	0.16	0.15	0.15
V-82.5	0.62	0.59	0.56	0.53	0.49	0.46	0.43	0.39	0.36	0.33	0.30	0.27	0.25	0.25
V-80.0	0.77	0.73	0.69	0.66	0.62	0.58	0.55	0.51	0.47	0.44	0.40	0.37	0.34	0.34
V-77.5	0.95	0.90	0.86	0.81	0.76	0.72	0.68	0.64	0.59	0.55	0.51	0.47	0.43	0.43
V-75.0	1.18	1.11	1.05	1.00	0.94	0.89	0.83	0.78	0.73	0.68	0.63	0.58	0.54	0.54
V-72.5	1.45	1.37	1.29	1.21	1.14	1.07	1.00	0.94	0.88	0.82	0.76	0.70	0.65	0.65
V-70.0	1.73	1.63	1.53	1.44	1.36	1.27	1.19	1.11	1.04	0.96	0.89	0.83	0.76	0.76
V-67.5	1.98	1.87	1.77	1.66	1.56	1.47	1.38	1.29	1.21	1.12	1.04	0.96	0.89	0.89
V-65.0	2.20	2.08	1.97	1.86	1.76	1.65	1.55	1.45	1.36	1.27	1.18	1.10	1.01	1.01
V-62.5	2.40	2.28	2.16	2.04	1.93	1.82	1.71	1.61	1.50	1.40	1.31	1.22	1.14	1.14
V-60.0	2.59	2.45	2.33	2.20	2.08	1.96	1.86	1.75	1.64	1.54	1.44	1.34	1.25	1.25
V-57.5	2.79	2.63	2.49	2.36	2.23	2.11	1.99	1.88	1.77	1.67	1.56	1.46	1.36	1.36
V-55.0	3.06	2.86	2.69	2.52	2.38	2.26	2.13	2.01	1.90	1.79	1.68	1.58	1.47	1.47
V-52.5	3.35	3.12	2.92	2.73	2.56	2.41	2.27	2.15	2.03	1.91	1.80	1.70	1.59	1.59
V-50.0	3.68	3.38	3.14	2.93	2.75	2.58	2.43	2.29	2.16	2.04	1.93	1.81	1.70	1.70
V-47.5	4.02	3.66	3.36	3.12	2.92	2.75	2.58	2.43	2.30	2.17	2.05	1.94	1.82	1.82
V-45.0	4.27	3.90	3.58	3.31	3.10	2.92	2.75	2.59	2.44	2.30	2.18	2.06	1.94	1.94
V-42.5	4.42	4.07	3.76	3.50	3.30	3.12	2.93	2.76	2.59	2.44	2.30	2.18	2.06	2.06
V-40.0	4.59	4.27	4.01	3.79	3.58	3.37	3.16	2.93	2.73	2.58	2.44	2.30	2.18	2.18
V-37.5	4.96	4.67	4.41	4.21	3.96	3.67	3.37	3.08	2.83	2.66	2.55	2.42	2.30	2.30
V-35.0	5.53	5.27	5.01	4.63	4.31	3.90	3.45	3.33	3.10	2.90	2.71	2.53	2.41	2.41
V-32.5	6.10	5.80	5.46	5.01	4.40	4.18	3.89	3.59	3.38	3.10	2.89	2.67	2.54	2.54
V-30.0	6.78	6.30	5.80	5.44	4.96	4.60	4.29	3.93	3.62	3.40	3.11	3.04	2.82	2.82
V-27.5	8.06	7.48	7.13	6.03	5.88	5.09	4.71	4.34	4.00	4.26	4.31	3.96	3.40	3.40
V-25.0	12.60	11.19	9.31	7.69	6.39	5.81	5.52	6.04	6.39	6.48	6.32	5.60	4.57	4.57
V-22.5	20.82	18.32	15.25	12.31	10.79	9.95	9.72	9.92	9.96	9.61	8.92	7.76	6.16	6.16
V-20.0	30.61	26.77	22.93	19.63	17.26	15.97	15.24	14.75	14.08	12.96	11.63	9.91	7.87	7.87
V-17.5	37.62	33.30	29.35	26.20	23.68	21.84	20.45	19.19	17.55	15.15	12.96	10.86	8.84	8.84
V-15.0	40.16	36.45	33.13	30.33	27.99	25.15	22.63	20.43	18.31	16.06	13.83	11.73	9.62	9.62
V-12.5	40.24	37.31	34.55	31.90	28.67	25.88	23.35	21.10	18.96	16.78	14.58	12.44	10.35	10.35
V-10.0	41.54	38.13	35.10	32.32	29.59	26.92	24.37	22.01	19.75	17.50	15.22	13.04	10.95	10.95
V -7.5	42.34	39.01	35.73	32.63	29.60	26.74	24.17	21.92	19.75	17.69	15.82	13.63	11.46	11.46
V -5.0	43.59	40.15	36.71	33.36	30.22	27.32	24.77	22.55	20.39	18.19	16.03	13.80	11.87	11.87
V -2.5	45.32	41.57	37.88	34.42	31.26	28.41	25.87	23.60	21.35	19.01	16.65	14.28	11.97	11.97
V 0.0	46.94	42.95	39.15	35.63	32.46	29.61	27.02	24.61	22.23	19.77	17.27	14.78	12.36	12.36
V 2.5	48.31	44.25	40.45	36.87	33.60	30.61	27.84	25.25	22.72	20.20	17.68	15.17	12.68	12.68
V 5.0	49.47	45.41	41.61	37.97	34.56	31.35	28.35	25.58	22.93	20.39	17.92	15.44	12.94	12.94
V 7.5	50.44	46.32	42.46	38.76	35.23	31.86	28.70	25.79	23.05	20.51	18.10	15.66	13.14	13.14
V 10.0	51.22	46.92	42.96	39.20	35.63	32.24	29.05	26.06	23.27	20.71	18.31	15.85	13.32	13.32
V 12.5	51.87	47.36	43.33	39.51	35.99	32.67	29.48	26.46	23.62	21.02	18.57	16.06	13.47	13.47
V 15.0	52.65	48.09	43.92	40.08	36.56	33.23	30.03	26.99	24.07	21.36	18.84	16.27	13.54	13.54
V 17.5	53.57	48.96	44.74	40.91	37.29	33.90	30.69	27.57	24.55	21.72	19.06	16.34	13.45	13.45
V 20.0	54.54	49.95	45.74	41.77	38.03	34.61	31.33	28.10	24.93	21.98	19.17	16.25	13.12	13.12
V 22.5	55.34	50.80	46.54	42.39	38.75	35.27	31.87	28.48	25.17	22.04	19.04	15.94	12.63	12.63
V 25.0	56.14	51.49	47.07	43.07	39.33	35.71	32.14	28.60	25.13	21.87	18.72	15.42	11.97	11.97
V 27.5	56.95	52.13	47.74	43.64	39.69	35.83	32.05	28.38	24.86	21.48	18.16	14.73	11.24	11.24
V 30.0	57.92	53.06	48.54	44.17	39.87	35.67	31.77	28.03	24.38	20.83	17.38	13.73	10.57	10.57
V 32.5	59.41	54.40	49.58	44.78	40.00	35.60	31.50	27.52	23.56	19.75	16.09	12.67	9.62	9.62
V 35.0	61.58	56.17	50.84	45.46	40.25	35.45	30.92	26.47	22.17	18.27	14.69	11.40	8.43	8.43
V 37.5	63.83	57.80	51.77	45.74	39.94	34.62	29.63	24.88	20.58	16.72	13.21	9.93	7.29	7.29
V 40.0	65.32	58.60	51.76	44.97	38.78	33.27	28.15	23.30	18.93	15.03	11.42	8.49	6.37	6.37
V 42.5	66.33	58.45	50.73	43.54	37.56	31.89	26.46	21.30	16.84	12.91	9.75	7.43	5.79	5.79
V 45.0	65.64	56.82	49.03	42.21	35.87	29.61	23.68	18.68	14.54	11.12	8.63	6.74	5.36	5.36
V 47.5	62.91	54.35	46.96	39.84	32.70	26.21	20.54	16.37	12.77	9.88	7.77	6.13	4.80	4.80
V 50.0	60.16	51.73	43.56	35.71	28.54	22.90	18.16	14.19	11.05	8.67	6.87	5.38	4.18	4.18
V 52.5	55.66	46.24	37.73	30.62	24.49	19.25	15.00	11.79	9.35	7.47	5.89	4.55	3.46	3.46
V 55.0	47.01	38.51	31.17	24.73	19.48	15.27	12.14	9.77	7.85	6.20	4.77	3.56	2.80	2.80
V 57.5	37.86	30.59	24.50	19.24	15.39	12.25	9.92	7.94	6.16	4.65	3.63	2.85	2.31	2.31
V 60.0	29.19	23.53	18.72	15.03	12.07	9.59	7.42	5.63	4.39	3.41	2.77	2.24	1.88	1.88
V 62.5	20.86	16.82	13.59	10.82	8.37	6.43	4.87	3.82	3.08	2.49	2.11	1.78	1.55	1.55
V 65.0	13.18	10.74	8.50	6.47	5.07	3.97	3.14	2.65	2.22	1.90	1.68	1.47	1.32	1.32
V 67.5	7.05	5.66	4.36	3.68	3.09	2.57	2.25	1.97	1.73	1.55	1.39	1.25	1.14	1.14
V 70.0	3.77	3.22	2.84	2.50	2.19	1.95	1.75	1.58	1.43	1.30	1.19	1.09	1.00	1.00
V 72.5	2.50	2.25	2.02	1.82	1.67	1.53	1.40	1.28	1.19	1.10	1.02	0.95	0.88	0.88
V 75.0	1.81	1.66	1.54	1.42	1.32	1.23	1.14	1.07	1.00	0.94	0.88	0.82	0.77	0.77
V 77.5	1.39	1.30	1.21	1.14	1.07	1.01	0.95	0.90	0.85	0.80	0.76	0.72	0.68	0.68
V 80.0	1.07	1.01	0.95	0.90	0.86	0.81	0.78	0.74	0.70	0.67	0.64	0.61	0.58	0.58
V 82.5	0.79	0.76	0.72	0.69	0.66	0.64	0.61	0.59	0.57	0.55	0.54	0.52	0.50	0.50
V 85.0	0.56	0.54	0.53	0.52	0.51	0.50	0.50	0.49	0.48	0.47	0.46	0.45	0.44	0.44
V 87.5	0.40	0.39	0.39	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.38	0.38
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

**Luminaire**

Code 217131.125  
Name START AS HPS-T 250W

**Measur.**

Code CL2303/09-19A  
Name START AS SHP-T 250W

Luminaire Flux	22659.46 lm		Luminaire Power		250.00 W		Efficacy		90.64 lm/W		Efficiency		68.25%	
Lamps Flux	33200.00 lm		Maximum value		784.10 cd/klm		Position		H=0.00 V=47.50		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
V-87.5	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.02
V-85.0	0.13	0.12	0.10	0.10	0.09	0.08	0.07	0.07	0.06	0.06	0.05	0.05	0.04	0.04
V-82.5	0.22	0.20	0.18	0.16	0.15	0.13	0.12	0.10	0.09	0.08	0.07	0.06	0.05	0.05
V-80.0	0.31	0.28	0.26	0.23	0.21	0.19	0.17	0.15	0.13	0.12	0.10	0.09	0.08	0.08
V-77.5	0.40	0.36	0.33	0.29	0.27	0.24	0.21	0.19	0.17	0.15	0.14	0.12	0.10	0.10
V-75.0	0.49	0.44	0.40	0.36	0.33	0.29	0.26	0.24	0.21	0.19	0.17	0.15	0.13	0.13
V-72.5	0.59	0.54	0.49	0.44	0.39	0.35	0.32	0.28	0.25	0.22	0.20	0.18	0.15	0.15
V-70.0	0.70	0.64	0.58	0.53	0.47	0.42	0.38	0.33	0.30	0.26	0.23	0.20	0.18	0.18
V-67.5	0.81	0.75	0.68	0.61	0.55	0.49	0.44	0.39	0.34	0.30	0.27	0.23	0.20	0.20
V-65.0	0.93	0.85	0.78	0.71	0.64	0.57	0.50	0.45	0.40	0.35	0.30	0.26	0.23	0.23
V-62.5	1.05	0.97	0.88	0.80	0.72	0.65	0.58	0.51	0.45	0.39	0.34	0.30	0.26	0.26
V-60.0	1.16	1.07	0.99	0.90	0.81	0.72	0.65	0.57	0.50	0.44	0.38	0.33	0.29	0.29
V-57.5	1.27	1.17	1.08	0.99	0.90	0.81	0.72	0.63	0.56	0.49	0.42	0.36	0.31	0.31
V-55.0	1.37	1.27	1.18	1.08	0.99	0.89	0.79	0.70	0.61	0.53	0.46	0.39	0.34	0.34
V-52.5	1.47	1.37	1.27	1.17	1.07	0.97	0.87	0.76	0.67	0.58	0.50	0.43	0.37	0.37
V-50.0	1.59	1.48	1.37	1.26	1.16	1.05	0.94	0.83	0.73	0.63	0.55	0.47	0.40	0.40
V-47.5	1.71	1.59	1.47	1.36	1.24	1.13	1.02	0.90	0.79	0.68	0.59	0.51	0.43	0.43
V-45.0	1.82	1.70	1.58	1.46	1.34	1.22	1.10	0.98	0.85	0.74	0.64	0.55	0.46	0.46
V-42.5	1.94	1.82	1.69	1.56	1.44	1.31	1.18	1.05	0.92	0.80	0.68	0.59	0.50	0.50
V-40.0	2.05	1.92	1.80	1.67	1.53	1.40	1.27	1.13	0.99	0.86	0.74	0.63	0.53	0.53
V-37.5	2.16	2.03	1.90	1.76	1.63	1.49	1.35	1.21	1.06	0.92	0.79	0.67	0.57	0.57
V-35.0	2.27	2.12	1.99	1.85	1.72	1.57	1.43	1.29	1.14	0.99	0.84	0.72	0.61	0.61
V-32.5	2.38	2.25	2.08	1.94	1.80	1.65	1.51	1.36	1.21	1.05	0.90	0.76	0.64	0.64
V-30.0	2.57	2.36	2.20	2.02	1.88	1.73	1.58	1.43	1.27	1.12	0.96	0.81	0.68	0.68
V-27.5	2.89	2.54	2.30	2.12	1.96	1.80	1.64	1.48	1.33	1.17	1.01	0.86	0.72	0.72
V-25.0	3.61	2.93	2.51	2.25	2.05	1.87	1.70	1.54	1.38	1.22	1.06	0.90	0.75	0.75
V-22.5	4.53	3.50	2.87	2.48	2.19	1.96	1.76	1.58	1.42	1.26	1.10	0.94	0.78	0.78
V-20.0	5.87	4.36	3.38	2.78	2.37	2.05	1.82	1.63	1.46	1.30	1.13	0.97	0.81	0.81
V-17.5	7.05	5.20	3.93	3.11	2.56	2.15	1.88	1.68	1.50	1.33	1.16	1.00	0.84	0.84
V-15.0	7.90	6.01	4.54	3.51	2.79	2.27	1.95	1.72	1.53	1.36	1.19	1.02	0.86	0.86
V-12.5	8.36	6.61	5.07	3.85	2.98	2.38	1.99	1.76	1.57	1.39	1.21	1.04	0.88	0.88
V-10.0	8.94	7.08	5.42	4.08	3.10	2.43	2.02	1.79	1.60	1.41	1.22	1.05	0.89	0.89
V -7.5	9.36	7.38	5.62	4.20	3.16	2.45	2.03	1.82	1.62	1.43	1.24	1.06	0.90	0.90
V -5.0	9.68	7.62	5.73	4.26	3.17	2.45	2.08	1.84	1.64	1.45	1.25	1.07	0.90	0.90
V -2.5	9.76	7.78	5.80	4.30	3.19	2.45	2.08	1.85	1.66	1.46	1.25	1.07	0.91	0.91
V 0.0	10.04	7.85	5.92	4.37	3.24	2.49	2.07	1.85	1.67	1.46	1.26	1.07	0.91	0.91
V 2.5	10.30	8.09	6.12	4.50	3.34	2.58	2.13	1.87	1.67	1.46	1.26	1.07	0.91	0.91
V 5.0	10.52	8.33	6.35	4.67	3.49	2.70	2.20	1.90	1.67	1.45	1.25	1.07	0.91	0.91
V 7.5	10.73	8.55	6.55	4.83	3.64	2.82	2.26	1.92	1.66	1.44	1.25	1.06	0.90	0.90
V 10.0	10.89	8.68	6.64	4.95	3.76	2.91	2.31	1.93	1.65	1.43	1.24	1.06	0.89	0.89
V 12.5	10.96	8.63	6.59	4.98	3.81	2.94	2.33	1.93	1.64	1.42	1.22	1.04	0.88	0.88
V 15.0	10.85	8.37	6.40	4.89	3.76	2.91	2.32	1.92	1.62	1.40	1.21	1.03	0.86	0.86
V 17.5	10.55	8.00	6.17	4.72	3.60	2.80	2.27	1.89	1.60	1.38	1.18	1.01	0.84	0.84
V 20.0	10.03	7.67	5.92	4.50	3.44	2.72	2.23	1.86	1.57	1.35	1.15	0.98	0.82	0.82
V 22.5	9.37	7.30	5.57	4.18	3.25	2.63	2.18	1.83	1.54	1.31	1.12	0.95	0.79	0.79
V 25.0	9.07	6.93	5.17	3.84	3.05	2.52	2.12	1.78	1.50	1.27	1.08	0.92	0.76	0.76
V 27.5	8.56	6.39	4.70	3.62	2.93	2.43	2.05	1.72	1.43	1.21	1.04	0.88	0.73	0.73
V 30.0	7.91	5.79	4.26	3.38	2.77	2.32	1.95	1.64	1.37	1.16	0.99	0.83	0.69	0.69
V 32.5	7.03	5.07	3.99	3.20	2.61	2.18	1.84	1.53	1.30	1.11	0.94	0.79	0.65	0.65
V 35.0	6.15	4.69	3.71	2.97	2.41	2.03	1.72	1.44	1.22	1.04	0.89	0.74	0.62	0.62
V 37.5	5.48	4.31	3.42	2.72	2.23	1.88	1.60	1.35	1.15	0.98	0.83	0.69	0.59	0.59
V 40.0	4.99	3.98	3.12	2.48	2.04	1.76	1.49	1.26	1.07	0.92	0.77	0.65	0.56	0.56
V 42.5	4.63	3.62	2.82	2.25	1.91	1.62	1.37	1.17	1.00	0.86	0.71	0.61	0.53	0.53
V 45.0	4.19	3.24	2.53	2.08	1.76	1.47	1.26	1.09	0.93	0.79	0.68	0.58	0.51	0.51
V 47.5	3.71	2.86	2.28	1.88	1.57	1.35	1.16	1.01	0.87	0.74	0.64	0.56	0.49	0.49
V 50.0	3.19	2.46	2.00	1.67	1.43	1.24	1.07	0.94	0.81	0.70	0.61	0.53	0.47	0.47
V 52.5	2.62	2.13	1.77	1.51	1.30	1.13	0.99	0.87	0.76	0.66	0.58	0.51	0.45	0.45
V 55.0	2.23	1.86	1.56	1.35	1.18	1.04	0.92	0.81	0.71	0.62	0.55	0.49	0.44	0.44
V 57.5	1.89	1.61	1.38	1.21	1.07	0.95	0.84	0.75	0.66	0.59	0.52	0.47	0.43	0.43
V 60.0	1.59	1.39	1.22	1.08	0.96	0.86	0.77	0.69	0.62	0.55	0.50	0.45	0.42	0.42
V 62.5	1.37	1.21	1.08	0.96	0.87	0.78	0.71	0.63	0.57	0.52	0.47	0.44	0.41	0.41
V 65.0	1.17	1.05	0.95	0.87	0.79	0.71	0.65	0.59	0.54	0.49	0.46	0.42	0.40	0.40
V 67.5	1.03	0.94	0.86	0.78	0.72	0.66	0.61	0.56	0.51	0.47	0.44	0.41	0.39	0.39
V 70.0	0.92	0.84	0.78	0.72	0.67	0.62	0.57	0.52	0.49	0.45	0.43	0.40	0.38	0.38
V 72.5	0.82	0.76	0.71	0.66	0.62	0.57	0.53	0.50	0.47	0.44	0.41	0.39	0.38	0.38
V 75.0	0.73	0.68	0.64	0.61	0.57	0.54	0.50	0.47	0.45	0.42	0.40	0.39	0.38	0.38
V 77.5	0.64	0.61	0.58	0.55	0.52	0.50	0.47	0.45	0.43	0.41	0.39	0.38	0.37	0.37
V 80.0	0.56	0.54	0.51	0.49	0.48	0.46	0.44	0.42	0.41	0.40	0.38	0.38	0.37	0.37
V 82.5	0.48	0.46	0.45	0.44	0.43	0.42	0.41	0.40	0.39	0.38	0.37	0.36	0.35	0.35
V 85.0	0.42	0.41	0.41	0.40	0.39	0.39	0.38	0.37	0.36	0.35	0.34	0.33	0.33	0.33
V 87.5	0.38	0.38	0.36	0.34	0.32	0.30	0.28	0.26	0.24	0.23	0.21	0.20	0.18	0.18
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

**Luminaire**

Code 217131.125  
Name START AS HPS-T 250W

**Measur.**

Code CL2303/09-19A  
Name START AS SHP-T 250W

Luminaire Flux	22659.46 lm		Luminaire Power		250.00 W		Efficacy		90.64 lm/W		Efficiency		68.25%	
Lamps Flux	33200.00 lm		Maximum value		784.10 cd/klm		Position		H=0.00 V=47.50		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
V-87.5	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
V-85.0	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00
V-82.5	0.05	0.05	0.04	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00
V-80.0	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.02	0.02	0.01	0.01	0.00	0.00	0.00
V-77.5	0.09	0.07	0.06	0.05	0.05	0.04	0.04	0.03	0.02	0.02	0.01	0.00	0.00	0.00
V-75.0	0.11	0.09	0.08	0.07	0.06	0.05	0.05	0.03	0.03	0.02	0.01	0.01	0.00	0.00
V-72.5	0.13	0.12	0.10	0.09	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.01	0.00	0.00
V-70.0	0.16	0.14	0.12	0.10	0.09	0.07	0.06	0.04	0.03	0.02	0.01	0.01	0.00	0.00
V-67.5	0.18	0.16	0.14	0.12	0.10	0.08	0.07	0.04	0.03	0.03	0.02	0.01	0.00	0.00
V-65.0	0.20	0.18	0.15	0.13	0.11	0.09	0.07	0.05	0.03	0.03	0.02	0.01	0.00	0.00
V-62.5	0.22	0.19	0.17	0.15	0.13	0.10	0.08	0.05	0.03	0.03	0.02	0.01	0.00	0.00
V-60.0	0.25	0.22	0.19	0.16	0.14	0.11	0.09	0.06	0.05	0.03	0.02	0.01	0.00	0.00
V-57.5	0.27	0.23	0.20	0.18	0.15	0.12	0.09	0.06	0.05	0.04	0.02	0.01	0.00	0.00
V-55.0	0.29	0.25	0.22	0.19	0.16	0.13	0.10	0.07	0.05	0.04	0.02	0.01	0.00	0.00
V-52.5	0.32	0.27	0.24	0.20	0.17	0.14	0.11	0.07	0.05	0.04	0.03	0.01	0.00	0.00
V-50.0	0.34	0.29	0.25	0.22	0.18	0.15	0.11	0.08	0.05	0.04	0.03	0.01	0.00	0.00
V-47.5	0.36	0.31	0.27	0.23	0.19	0.15	0.11	0.08	0.05	0.04	0.03	0.01	0.00	0.00
V-45.0	0.39	0.33	0.28	0.24	0.20	0.16	0.12	0.08	0.05	0.04	0.03	0.01	0.00	0.00
V-42.5	0.42	0.35	0.30	0.25	0.21	0.16	0.12	0.09	0.05	0.04	0.03	0.01	0.00	0.00
V-40.0	0.45	0.37	0.31	0.26	0.21	0.17	0.13	0.09	0.05	0.04	0.03	0.01	0.00	0.00
V-37.5	0.48	0.39	0.32	0.27	0.22	0.17	0.13	0.09	0.06	0.05	0.03	0.01	0.00	0.00
V-35.0	0.51	0.41	0.34	0.28	0.23	0.18	0.13	0.09	0.06	0.05	0.03	0.02	0.00	0.00
V-32.5	0.54	0.44	0.35	0.29	0.23	0.18	0.13	0.09	0.06	0.05	0.03	0.02	0.00	0.00
V-30.0	0.57	0.46	0.37	0.30	0.24	0.18	0.14	0.09	0.06	0.05	0.03	0.02	0.00	0.00
V-27.5	0.60	0.48	0.38	0.30	0.24	0.19	0.14	0.10	0.07	0.05	0.03	0.02	0.00	0.00
V-25.0	0.62	0.50	0.39	0.31	0.24	0.19	0.14	0.10	0.07	0.05	0.03	0.02	0.00	0.00
V-22.5	0.65	0.52	0.41	0.32	0.25	0.19	0.14	0.10	0.07	0.06	0.03	0.02	0.00	0.00
V-20.0	0.67	0.54	0.42	0.33	0.25	0.19	0.14	0.10	0.07	0.06	0.03	0.02	0.00	0.00
V-17.5	0.69	0.56	0.44	0.33	0.26	0.19	0.14	0.10	0.07	0.06	0.03	0.02	0.00	0.00
V-15.0	0.71	0.57	0.45	0.34	0.26	0.19	0.14	0.10	0.07	0.06	0.04	0.02	0.00	0.00
V-12.5	0.73	0.58	0.46	0.35	0.26	0.19	0.14	0.10	0.07	0.06	0.04	0.02	0.00	0.00
V-10.0	0.74	0.59	0.46	0.35	0.26	0.19	0.14	0.10	0.07	0.06	0.04	0.02	0.00	0.00
V -7.5	0.74	0.60	0.47	0.35	0.26	0.19	0.14	0.10	0.07	0.05	0.04	0.02	0.00	0.00
V -5.0	0.75	0.60	0.47	0.36	0.27	0.19	0.14	0.10	0.07	0.05	0.04	0.02	0.00	0.00
V -2.5	0.75	0.61	0.47	0.36	0.27	0.19	0.14	0.10	0.07	0.05	0.03	0.02	0.00	0.00
V 0.0	0.75	0.61	0.48	0.36	0.27	0.19	0.14	0.10	0.07	0.05	0.03	0.02	0.00	0.00
V 2.5	0.75	0.61	0.48	0.36	0.27	0.20	0.14	0.10	0.07	0.05	0.04	0.02	0.00	0.00
V 5.0	0.75	0.60	0.47	0.36	0.27	0.20	0.14	0.10	0.08	0.06	0.04	0.02	0.00	0.00
V 7.5	0.74	0.60	0.47	0.36	0.27	0.20	0.14	0.10	0.08	0.06	0.04	0.02	0.00	0.00
V 10.0	0.73	0.59	0.47	0.36	0.27	0.20	0.15	0.11	0.08	0.06	0.04	0.02	0.00	0.00
V 12.5	0.72	0.59	0.46	0.36	0.27	0.20	0.15	0.11	0.09	0.07	0.05	0.02	0.00	0.00
V 15.0	0.71	0.58	0.46	0.36	0.27	0.20	0.15	0.11	0.09	0.07	0.05	0.03	0.00	0.00
V 17.5	0.69	0.56	0.45	0.35	0.27	0.20	0.15	0.12	0.09	0.07	0.05	0.03	0.00	0.00
V 20.0	0.67	0.55	0.44	0.35	0.27	0.21	0.15	0.12	0.10	0.08	0.06	0.03	0.00	0.00
V 22.5	0.65	0.53	0.43	0.34	0.27	0.21	0.16	0.12	0.10	0.08	0.06	0.03	0.00	0.00
V 25.0	0.63	0.52	0.42	0.34	0.27	0.21	0.16	0.13	0.11	0.09	0.06	0.03	0.00	0.00
V 27.5	0.60	0.50	0.41	0.33	0.27	0.21	0.16	0.13	0.11	0.09	0.07	0.03	0.00	0.00
V 30.0	0.58	0.48	0.40	0.33	0.27	0.21	0.16	0.14	0.12	0.10	0.07	0.03	0.00	0.00
V 32.5	0.55	0.47	0.39	0.32	0.26	0.21	0.17	0.14	0.12	0.10	0.07	0.03	0.00	0.00
V 35.0	0.53	0.45	0.38	0.32	0.26	0.21	0.17	0.15	0.13	0.11	0.08	0.03	0.00	0.00
V 37.5	0.50	0.43	0.37	0.31	0.26	0.21	0.18	0.15	0.14	0.11	0.08	0.03	0.00	0.00
V 40.0	0.48	0.42	0.36	0.31	0.26	0.22	0.18	0.16	0.14	0.12	0.08	0.03	0.00	0.00
V 42.5	0.46	0.40	0.36	0.31	0.26	0.22	0.19	0.17	0.15	0.12	0.09	0.03	0.00	0.00
V 45.0	0.45	0.40	0.35	0.31	0.26	0.22	0.20	0.18	0.16	0.13	0.09	0.03	0.00	0.00
V 47.5	0.43	0.39	0.34	0.30	0.26	0.23	0.21	0.19	0.16	0.13	0.09	0.03	0.00	0.00
V 50.0	0.42	0.38	0.34	0.30	0.26	0.24	0.22	0.20	0.17	0.14	0.10	0.03	0.00	0.00
V 52.5	0.41	0.37	0.34	0.30	0.26	0.24	0.23	0.21	0.18	0.14	0.10	0.03	0.00	0.00
V 55.0	0.40	0.37	0.33	0.30	0.27	0.25	0.24	0.22	0.19	0.15	0.10	0.03	0.00	0.00
V 57.5	0.39	0.36	0.33	0.30	0.28	0.26	0.25	0.23	0.20	0.16	0.11	0.03	0.00	0.00
V 60.0	0.39	0.36	0.32	0.30	0.28	0.27	0.26	0.24	0.21	0.16	0.11	0.03	0.00	0.00
V 62.5	0.38	0.35	0.33	0.31	0.30	0.28	0.27	0.25	0.21	0.17	0.10	0.03	0.00	0.00
V 65.0	0.37	0.35	0.33	0.32	0.31	0.29	0.28	0.26	0.22	0.17	0.10	0.03	0.00	0.00
V 67.5	0.37	0.35	0.34	0.32	0.31	0.31	0.29	0.27	0.23	0.18	0.09	0.02	0.00	0.00
V 70.0	0.37	0.35	0.34	0.33	0.32	0.32	0.30	0.28	0.24	0.18	0.08	0.02	0.00	0.00
V 72.5	0.37	0.35	0.34	0.34	0.33	0.33	0.31	0.29	0.25	0.17	0.07	0.02	0.00	0.00
V 75.0	0.36	0.36	0.35	0.34	0.34	0.33	0.32	0.30	0.25	0.15	0.06	0.02	0.00	0.00
V 77.5	0.36	0.36	0.35	0.35	0.35	0.34	0.33	0.31	0.22	0.13	0.05	0.01	0.00	0.00
V 80.0	0.36	0.35	0.35	0.35	0.35	0.35	0.34	0.27	0.18	0.10	0.04	0.01	0.00	0.00
V 82.5	0.35	0.34	0.34	0.34	0.35	0.32	0.27	0.20	0.14	0.08	0.03	0.01	0.00	0.00
V 85.0	0.33	0.31	0.29	0.27	0.24	0.21	0.18	0.14	0.09	0.05	0.02	0.01	0.00	0.00
V 87.5	0.17	0.15	0.14	0.13	0.12	0.11	0.09	0.07	0.05	0.03	0.01	0.00	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