

Luminaire

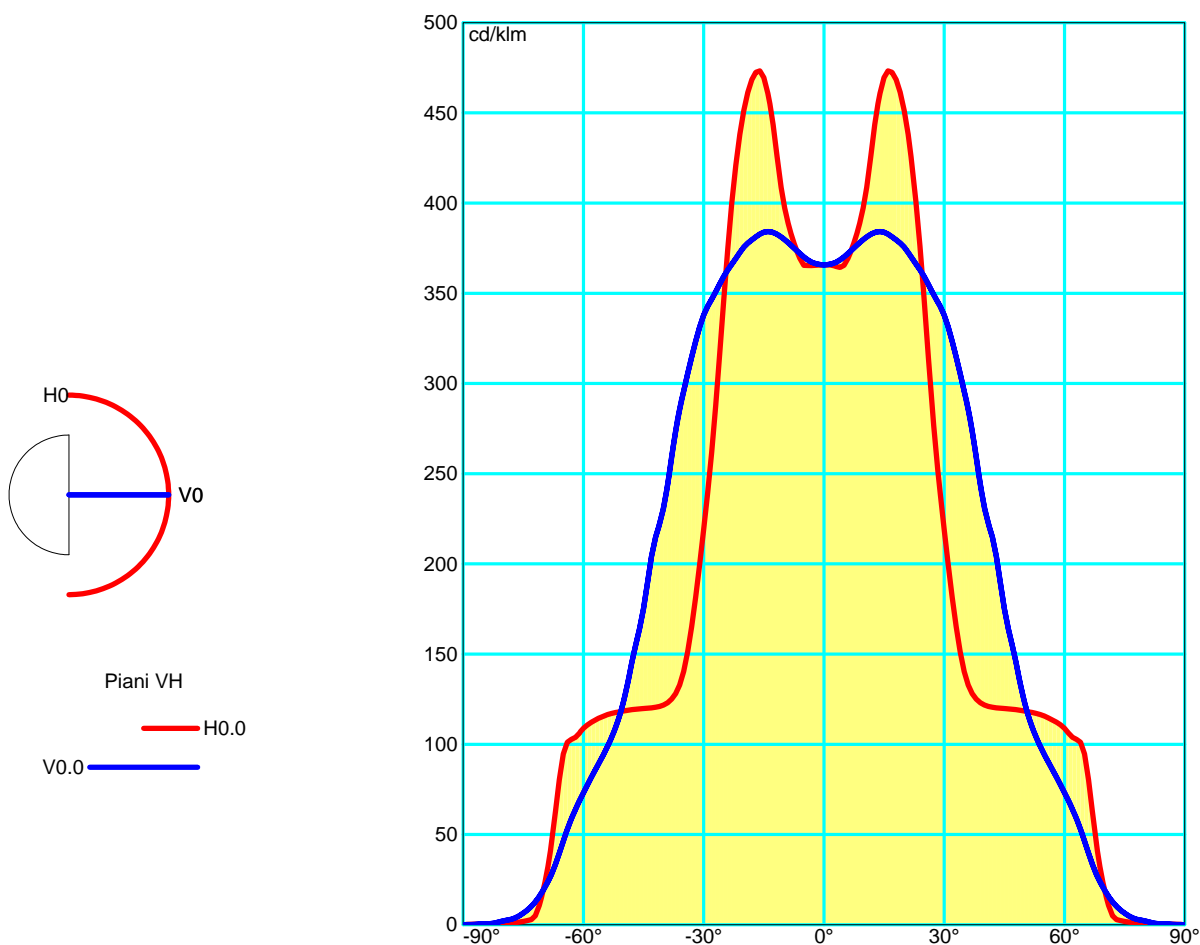
Code 216131.140
Name START SM HPS-T 400W

Measurement

Code CL2303/06-21A SIM
Name START SM SHP-T 400W

Luminaire Flux	45353.40 lm	Luminaire Power	410.00 W	Efficacy	110.62 lm/W	Efficiency	80.27%
Lamps Flux	56500.00 lm	Maximum value	485.48 cd/klm	Position	H=12.50 V=-15.00	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		01-01-1998		Beam Type		Diffuse	
Measurement Distance		0.00		Measurement Flux		48000.00 lm	
Operator				Source Voltage [V]			
Temperature				Source current [A]			
Humidity				Photocell			
Notes							

Line	Code	Luminaire Lamps	Flux [lm]	Pow. [W]	Q.ty
OSRAM ILCOS STH,SD,ST,SE,LS	NAV-T 400 SUPER 4Y	Name VIALOX® NAV-T 400 SUPER 4Y E40	56500.00	410.00	1



Luminaire

Code 216131.140
Name START SM HPS-T 400W

Measurum.

Code CL2303/06-21A SIM
Name START SM SHP-T 400W

Luminaire Flux		45353.40 lm		Luminaire Power		410.00 W		Efficacy		110.62 lm/W		Efficiency		80.27%	
Lamps Flux		56500.00 lm		Maximum value		485.48 cd/klm		Position		H=12.50 V=-15.00		VH		VH symm in H0	
Luminous Intensity Table cd/klm														Table 1/3	
	H 0.00	H 2.50	H 5.00	H 7.50	H 10.00	H 12.50	H 15.00	H 17.50	H 20.00	H 22.50	H 25.00	H 27.50	H 30.00		
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	0.28	0.29	0.32	0.32	0.33	0.36	0.36	0.36	0.36	0.36	0.34	0.32	0.29	0.28	0.29
V-85.0	0.38	0.38	0.41	0.42	0.43	0.45	0.47	0.46	0.46	0.47	0.46	0.43	0.41	0.40	0.41
V-82.5	0.55	0.55	0.59	0.59	0.60	0.63	0.63	0.63	0.64	0.64	0.63	0.62	0.60	0.59	0.60
V-80.0	0.74	0.74	0.77	0.78	0.79	0.82	0.83	0.83	0.85	0.87	0.88	0.89	0.90	0.89	0.90
V-77.5	1.04	1.06	1.08	1.08	1.11	1.13	1.14	1.14	1.16	1.19	1.21	1.24	1.28	1.27	1.28
V-75.0	1.75	1.76	1.80	1.82	1.84	1.88	1.91	1.90	1.89	1.89	1.88	1.87	1.91	1.90	1.91
V-72.5	3.15	3.16	3.22	3.24	3.28	3.35	3.36	3.35	3.29	3.18	3.02	2.86	2.77	2.76	2.77
V-70.0	19.26	19.32	19.28	19.22	19.18	19.13	18.99	18.71	18.27	17.71	16.91	16.04	15.18	15.17	15.18
V-67.5	52.77	52.79	52.72	52.60	52.36	51.98	51.56	51.06	50.30	49.45	47.96	46.36	44.77	44.76	44.77
V-65.0	94.62	94.63	94.40	93.91	93.36	92.57	91.50	90.00	88.15	85.68	82.40	78.85	75.08	75.07	75.08
V-62.5	103.12	103.03	102.83	102.33	101.75	100.88	99.79	98.25	96.18	93.47	90.01	85.99	82.29	82.28	82.29
V-60.0	108.81	108.80	108.76	108.50	107.99	107.18	106.06	104.39	102.05	99.32	95.79	91.75	87.26	87.25	87.26
V-57.5	112.89	112.90	112.97	112.85	112.52	111.92	110.82	109.32	107.06	104.22	100.85	96.95	92.83	92.82	92.83
V-55.0	115.63	115.70	115.79	115.93	115.80	115.49	114.69	113.54	111.69	108.94	106.02	102.39	98.63	98.62	98.63
V-52.5	117.37	117.47	117.68	117.86	117.96	117.94	117.41	116.42	114.99	113.04	110.29	107.39	104.11	104.10	104.11
V-50.0	118.31	118.40	118.64	118.94	119.10	119.18	119.20	118.83	117.82	116.69	115.04	112.74	109.77	109.76	109.77
V-47.5	119.40	119.52	119.67	119.82	119.89	119.79	119.58	119.51	119.35	118.68	117.93	116.78	114.96	114.95	114.96
V-45.0	119.79	119.77	119.84	119.83	119.61	119.31	118.86	118.65	118.84	118.89	118.67	118.30	117.74	117.73	117.74
V-42.5	120.35	120.35	120.33	120.13	119.85	119.21	118.49	117.90	117.68	117.85	118.14	118.28	117.81	117.80	117.81
V-40.0	121.79	121.76	121.61	121.44	120.95	120.26	119.36	118.30	117.52	117.45	117.70	118.13	117.59	117.58	117.59
V-37.5	126.42	126.29	126.16	125.77	125.03	124.15	122.93	121.68	120.52	119.82	119.52	119.31	119.12	119.11	119.12
V-35.0	140.37	140.29	139.97	139.53	138.84	137.64	136.09	134.46	132.49	131.00	129.73	128.75	127.49	127.48	127.49
V-32.5	173.06	172.88	172.36	171.92	171.05	169.86	168.07	165.79	163.24	160.67	158.31	156.04	153.04	153.03	153.04
V-30.0	219.04	219.17	219.00	218.73	217.79	216.10	213.82	210.64	207.53	204.43	202.06	198.85	194.34	194.33	194.34
V-27.5	274.10	274.01	274.03	274.07	273.35	271.26	268.00	264.10	259.50	255.48	251.31	246.05	239.16	239.15	239.16
V-25.0	345.66	345.53	345.36	345.18	344.41	342.04	338.33	333.03	326.10	320.15	313.49	305.62	296.20	296.19	296.20
V-22.5	410.84	411.40	412.08	413.27	413.00	411.26	406.87	400.47	392.67	383.22	373.60	362.65	348.54	348.53	348.54
V-20.0	451.36	452.67	455.05	457.72	458.85	458.21	454.36	446.84	438.30	427.02	414.99	401.22	384.84	384.83	384.84
V-17.5	470.78	472.73	476.36	480.30	482.45	482.76	479.63	472.45	462.78	449.28	435.05	418.95	400.62	400.61	400.62
V-15.0	469.59	471.55	475.40	480.59	484.49	485.48	483.78	477.65	467.29	451.96	436.01	419.78	400.24	400.23	400.24
V-12.5	439.99	440.62	444.45	449.52	454.40	457.69	457.23	452.57	444.85	432.22	417.35	401.12	382.02	382.01	382.02
V-10.0	399.68	401.17	405.10	410.54	415.75	419.85	420.96	417.83	410.93	400.05	387.42	372.85	356.71	356.70	356.71
V -7.5	378.38	379.69	382.73	386.80	392.00	395.90	396.23	392.86	385.92	376.51	363.98	353.79	338.14	338.13	338.14
V -5.0	365.46	366.46	370.68	376.31	381.02	384.72	386.88	385.39	379.02	371.70	361.90	349.52	337.04	337.03	337.04
V -2.5	365.31	366.31	370.24	375.42	380.34	383.67	384.38	381.01	374.54	365.91	356.74	345.21	332.50	332.49	332.50
V 0.0	365.74	366.73	370.16	375.16	380.10	383.54	383.85	380.43	375.56	367.63	359.25	348.65	337.87	337.86	337.87
V 2.5	365.31	366.31	370.24	375.42	380.34	383.67	384.38	381.01	374.54	365.91	356.74	345.21	332.50	332.49	332.50
V 5.0	365.46	366.46	370.68	376.31	381.02	384.72	386.88	385.39	379.02	371.70	361.90	349.52	337.04	337.03	337.04
V 7.5	378.38	379.69	382.73	386.80	392.00	395.90	396.23	392.86	385.92	376.51	363.98	353.79	338.14	338.13	338.14
V 10.0	399.68	401.17	405.10	410.54	415.75	419.85	420.96	417.83	410.93	400.05	387.42	372.85	356.71	356.70	356.71
V 12.5	439.99	440.62	444.45	449.52	454.40	457.69	457.23	452.57	444.85	432.22	417.35	401.12	382.02	382.01	382.02
V 15.0	469.59	471.55	475.40	480.59	484.49	485.48	483.78	477.65	467.29	451.96	436.01	419.78	400.24	400.23	400.24
V 17.5	470.78	472.73	476.36	480.30	482.45	482.76	479.63	472.45	462.78	449.28	435.05	418.95	400.62	400.61	400.62
V 20.0	451.36	452.67	455.05	457.72	458.85	458.21	454.36	446.84	438.30	427.02	414.99	401.22	384.84	384.83	384.84
V 22.5	410.84	411.40	412.08	413.27	413.00	411.26	406.87	400.47	392.67	383.22	373.60	362.65	348.54	348.53	348.54
V 25.0	345.66	345.53	345.36	345.18	344.41	342.04	338.33	333.03	326.10	320.15	313.49	305.62	296.20	296.19	296.20
V 27.5	274.10	274.01	274.03	274.07	273.35	271.26	268.00	264.10	259.50	255.48	251.31	246.05	239.16	239.15	239.16
V 30.0	219.04	219.17	219.00	218.73	217.79	216.10	213.82	210.64	207.53	204.43	202.06	198.85	194.34	194.33	194.34
V 32.5	173.06	172.88	172.36	171.92	171.05	169.86	168.07	165.79	163.24	160.67	158.31	156.04	153.04	153.03	153.04
V 35.0	140.37	140.29	139.97	139.53	138.84	137.64	136.09	134.46	132.49	131.00	129.73	128.75	127.49	127.48	127.49
V 37.5	126.42	126.29	126.16	125.77	125.03	124.15	122.93	121.68	120.52	119.82	119.52	119.31	119.12	119.11	119.12
V 40.0	121.79	121.76	121.61	121.44	120.95	120.26	119.36	118.30	117.52	117.45	117.70	118.13	117.59	117.58	117.59
V 42.5	120.35	120.35	120.33	120.13	119.85	119.21	118.49	117.90	117.68	117.85	118.14	118.28	117.81	117.80	117.81
V 45.0	119.79	119.77	119.84	119.83	119.61	119.31	118.86	118.65	118.84	118.89	118.67	118.30	117.74	117.73	117.74
V 47.5	119.40	119.52	119.67	119.82	119.89	119.79	119.58	119.51	119.35	118.68	117.93	116.78	114.96	114.95	114.96
V 50.0	118.31	118.40	118.64	118.94	119.10	119.18	119.20	118.83	117.82	116.69	115.04	112.74	109.77	109.76	109.77
V 52.5	117.37	117.47	117.68	117.86	117.96	117.94	117.41	116.42	114.99	113.04	110.29	107.39	104.11	104.10	104.11
V 55.0	115.63	115.70	115.79	115.93	115.80	115.49	114.69	113.54	111.69	108.94	106.02	102.39	98.63	98.62	98.63
V 57.5	112.89	112.90	112.97	112.85	112.52	111.92	110.82	109.32	107.06	104.22	100.85	96.95	92.83	92.82	92.83
V 60.0															

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Luminaire Flux	45353.40 lm			Luminaire Power		410.00 W		Efficacy		110.62 lm/W		Efficiency		80.27%	
Lamps Flux	56500.00 lm			Maximum value		485.48 cd/klm		Position		H=12.50 V=-15.00		VH		VH symm in H0	
Luminous Intensity Table cd/klm Table 2/3															
	H 32.50	H 35.00	H 37.50	H 40.00	H 42.50	H 45.00	H 47.50	H 50.00	H 52.50	H 55.00	H 57.50	H 60.00	H 62.50		
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	0.26	0.25	0.24	0.23	0.23	0.23	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.20	0.20
V-85.0	0.38	0.36	0.35	0.35	0.35	0.34	0.34	0.32	0.31	0.29	0.28	0.27	0.26	0.26	0.26
V-82.5	0.59	0.59	0.59	0.60	0.60	0.59	0.57	0.55	0.51	0.47	0.43	0.39	0.36	0.36	0.36
V-80.0	0.91	0.94	0.97	0.99	1.00	0.98	0.94	0.88	0.81	0.74	0.66	0.58	0.52	0.52	0.52
V-77.5	1.34	1.39	1.46	1.51	1.54	1.53	1.46	1.39	1.30	1.17	1.05	0.91	0.79	0.79	0.79
V-75.0	1.96	2.03	2.10	2.17	2.20	2.19	2.11	2.01	1.90	1.71	1.54	1.34	1.18	1.18	1.18
V-72.5	2.76	2.78	2.83	2.90	2.93	2.89	2.83	2.70	2.61	2.37	2.09	1.84	1.62	1.62	1.62
V-70.0	14.42	13.86	12.95	11.72	10.11	8.33	6.41	4.44	3.49	3.13	2.77	2.43	2.12	2.12	2.12
V-67.5	42.87	41.33	38.82	35.01	31.54	25.72	19.88	13.40	8.60	5.07	3.45	3.02	2.64	2.64	2.64
V-65.0	71.10	67.33	63.12	58.22	51.95	44.37	36.90	27.17	18.07	10.17	4.63	3.53	3.07	3.07	3.07
V-62.5	77.72	72.77	67.86	63.37	57.34	50.02	42.86	33.82	24.97	17.19	9.70	5.50	3.57	3.57	3.57
V-60.0	82.68	77.64	72.84	67.81	62.60	56.89	49.85	41.29	31.75	22.67	14.44	7.92	4.65	4.65	4.65
V-57.5	88.41	83.27	77.94	72.86	67.52	61.92	54.91	47.61	39.12	30.53	21.60	14.19	8.56	8.56	8.56
V-55.0	94.30	89.51	84.09	78.54	72.85	67.36	60.98	54.67	46.36	36.97	27.27	18.76	11.15	11.15	11.15
V-52.5	100.70	96.28	91.27	85.79	79.71	73.26	66.81	60.96	52.39	44.09	35.21	24.93	16.41	16.41	16.41
V-50.0	106.87	103.17	98.52	93.05	86.95	80.71	74.30	66.65	58.24	50.21	40.54	30.19	21.26	21.26	21.26
V-47.5	111.88	108.43	104.39	99.11	92.83	86.17	79.57	72.14	65.44	56.48	47.14	37.01	27.11	27.11	27.11
V-45.0	116.19	113.12	109.28	105.02	98.99	92.00	85.55	78.51	71.51	62.31	54.38	44.37	34.37	34.37	34.37
V-42.5	116.67	114.54	111.03	106.45	101.25	94.73	87.63	80.73	73.45	66.52	57.12	47.06	37.15	37.15	37.15
V-40.0	116.81	115.18	112.14	107.45	102.31	96.23	89.33	82.28	75.30	68.15	59.41	50.76	39.86	39.86	39.86
V-37.5	117.87	115.69	112.80	108.07	102.29	96.41	90.00	82.52	75.34	68.92	60.59	51.38	42.66	42.66	42.66
V-35.0	125.50	122.00	117.98	112.03	105.14	98.78	92.29	84.93	78.01	70.61	63.87	55.55	47.31	47.31	47.31
V-32.5	148.05	141.48	132.22	122.84	111.70	102.08	93.84	86.11	78.71	72.37	65.80	58.50	49.71	49.71	49.71
V-30.0	186.05	173.76	157.80	141.09	123.83	107.59	96.49	88.18	80.70	73.08	66.80	59.79	51.07	51.07	51.07
V-27.5	227.19	210.46	188.21	162.56	138.80	120.49	103.07	92.11	82.83	76.29	69.85	62.64	54.17	54.17	54.17
V-25.0	282.46	259.08	230.05	197.24	164.40	134.99	111.13	95.63	86.17	78.80	71.57	64.84	56.60	56.60	56.60
V-22.5	329.14	301.06	266.52	226.72	186.89	148.32	121.61	99.78	88.90	80.59	73.33	66.29	57.69	57.69	57.69
V-20.0	363.30	332.09	292.31	246.42	204.17	159.85	124.55	105.40	92.10	82.75	75.45	67.91	58.79	58.79	58.79
V-17.5	377.14	346.65	308.65	268.27	220.99	184.34	144.18	116.89	98.05	86.25	78.58	71.19	62.20	62.20	62.20
V-15.0	375.70	347.48	310.16	268.01	221.52	178.79	145.24	116.49	98.02	87.11	78.83	70.87	61.06	61.06	61.06
V-12.5	360.66	333.04	302.43	266.00	227.05	187.33	150.89	122.79	102.22	90.02	80.35	72.31	62.84	62.84	62.84
V-10.0	336.05	312.81	283.78	250.19	215.25	179.55	148.49	122.02	102.55	90.51	81.14	73.93	64.65	64.65	64.65
V -7.5	320.75	299.48	269.36	240.73	209.33	176.67	149.92	126.08	106.83	93.82	82.89	72.52	61.59	61.59	61.59
V -5.0	318.55	296.74	269.42	237.31	204.90	173.69	144.19	122.08	104.94	92.53	82.23	73.35	63.28	63.28	63.28
V -2.5	316.12	294.54	269.20	235.04	205.93	172.85	146.93	123.42	105.92	93.74	83.24	73.70	62.71	62.71	62.71
V 0.0	319.09	295.71	266.95	231.06	210.16	175.13	149.70	123.52	106.40	94.34	83.99	73.16	61.42	61.42	61.42
V 2.5	316.12	294.54	269.20	235.04	205.93	172.85	146.93	123.42	105.92	93.74	83.24	73.70	62.71	62.71	62.71
V 5.0	318.55	296.74	269.42	237.31	204.90	173.69	144.19	122.08	104.94	92.53	82.23	73.35	63.28	63.28	63.28
V 7.5	320.75	299.48	269.36	240.73	209.33	176.67	149.92	126.08	106.83	93.82	82.89	72.52	61.59	61.59	61.59
V 10.0	336.05	312.81	283.78	250.19	215.25	179.55	148.49	122.02	102.55	90.51	81.14	73.93	64.65	64.65	64.65
V 12.5	360.66	333.04	302.43	266.00	227.05	187.33	150.89	122.79	102.22	90.02	80.35	72.31	62.84	62.84	62.84
V 15.0	375.70	347.48	310.16	268.01	221.52	178.79	145.24	116.49	98.02	87.11	78.83	70.87	61.06	61.06	61.06
V 17.5	377.14	346.65	308.65	268.27	220.99	184.34	144.18	116.89	98.05	86.25	78.58	71.19	62.20	62.20	62.20
V 20.0	363.30	332.09	292.31	246.42	204.17	159.85	124.55	105.40	92.10	82.75	75.45	67.91	58.79	58.79	58.79
V 22.5	329.14	301.06	266.52	226.72	186.89	148.32	121.61	99.78	88.90	80.59	73.33	66.29	57.69	57.69	57.69
V 25.0	282.46	259.08	230.05	197.24	164.40	134.99	111.13	95.63	86.17	78.80	71.57	64.84	56.60	56.60	56.60
V 27.5	227.19	210.46	188.21	162.56	138.80	120.49	103.07	92.11	82.83	76.29	69.85	62.64	54.17	54.17	54.17
V 30.0	186.05	173.76	157.80	141.09	123.83	107.59	96.49	88.18	80.70	73.08	66.80	59.79	51.07	51.07	51.07
V 32.5	148.05	141.48	132.22	122.84	111.70	102.08	93.84	86.11	78.71	72.37	65.80	58.50	49.71	49.71	49.71
V 35.0	125.50	122.00	117.98	112.03	105.14	98.78	92.29	84.93	78.01	70.61	63.87	55.55	47.31	47.31	47.31
V 37.5	117.87	115.69	112.80	108.07	102.29	96.41	90.00	82.52	75.34	68.92	60.59	51.38	42.66	42.66	42.66
V 40.0	116.81	115.18	112.14	107.45	102.31	96.23	89.33	82.28	75.30	68.15	59.41	50.76	39.86	39.86	39.86
V 42.5	116.67	114.54	111.03	106.45	101.25	94.73	87.63	80.73	73.45	66.52	57.12	47.06	37.15	37.15	37.15
V 45.0	116.19	113.12	109.28	105.02	98.99	92.00	85.55	78.51	71.51	62.31	54.38	44.37	34.37	34.37	34.37
V 47.5	111.88	108.43	104.39	99.11	92.83	86.17	79.57	72.14	65.44	56.48	47.14	37.01	27.11	27.11	27.11
V 50.0	106.87	103.17	98.52	93.05	86.95	80.71	74.30	66.65	58.24	50.21	40.54	30.19	21.26	21.26	21.26
V 52.5	100.70	96.28	91.27	85.79	79.71	73.26	66.81	60.96	52.39	44.09	35.21	24.93	16.41	16.41	16.41
V 55.0	94.30	89.51	84.09	78.54	72.85	67.36	60.98	54.67	46.36	36.97	27.27	18.76	11.15	11.15	11.15
V 57.5	88.41	83.27	77.94	72.86	67.52	61.92	54.91	47.61	39.12	30.53	21.60	14.19	8.56	8.56	8.56
V 60.0	82.68	77.64	72.84	67.81	62.60	56.89	49.85	41.29	31.75	22.67	14.44	7.92	4.65	4.65	4.65
V 62.5	77.72	72.77	67.86	63.37	57.34	50.02	42.86	33.82	24.97	17.19	9.70	5.50	3.57	3.57	3.57
V 65.0	71.10	67.33	63.12	58.22	51.95	44.37	36.90	27.17	18.07	10.17	4.63	3.53	3.07	3.07	3.07
V 67.5	42.87	41.33	38.82	35.01	31.54	25.72	19.88	13.40	8.60	5.07	3.45	3.02	2.64	2.64	2.64
V 70.0	14.42	13.86	12.95	11.72	10.11	8.33	6.41	4.44	3.49	3.13	2.77	2.43	2.12	2.12	2.12
V 72.5	2.76	2.78	2.83	2.90	2.93	2.89	2.83	2.70	2.61	2.37	2.09	1.84	1.62	1.62	1.62
V 75.0	1.96	2.03	2.10	2.17	2.20	2.19	2.11	2.01	1.90	1.71	1.54	1.34	1.18	1.18	1.18
V 77.5															

Luminaire

Code 216131.140
Name START SM HPS-T 400W

Measur.

Code CL2303/06-21A SIM
Name START SM SHP-T 400W

Luminaire Flux	45353.40 lm	Luminaire Power	410.00 W	Efficacy	110.62 lm/W	Efficiency	80.27%
Lamps Flux	56500.00 lm	Maximum value	485.48 cd/klm	Position	H=12.50 V=-15.00	VH	VH symm in H0

Luminous Intensity Table cd/klm Table 3/3

	H 65.00	H 67.50	H 70.00	H 72.50	H 75.00	H 77.50	H 80.00	H 82.50	H 85.00	H 87.50	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
V-87.5	0.20	0.19	0.19	0.19	0.18	0.18	0.18	0.13	0.13	0.13	0.00
V-85.0	0.25	0.23	0.23	0.21	0.20	0.20	0.19	0.14	0.14	0.13	0.00
V-82.5	0.34	0.31	0.29	0.27	0.25	0.23	0.21	0.15	0.14	0.14	0.00
V-80.0	0.46	0.43	0.39	0.36	0.32	0.27	0.23	0.16	0.15	0.14	0.00
V-77.5	0.70	0.63	0.57	0.50	0.42	0.33	0.27	0.18	0.15	0.14	0.00
V-75.0	1.01	0.89	0.79	0.69	0.55	0.40	0.30	0.19	0.16	0.14	0.00
V-72.5	1.37	1.20	1.03	0.87	0.69	0.50	0.36	0.22	0.17	0.14	0.00
V-70.0	1.82	1.56	1.33	1.09	0.87	0.60	0.41	0.23	0.18	0.14	0.00
V-67.5	2.25	1.94	1.65	1.36	1.06	0.75	0.49	0.27	0.19	0.14	0.00
V-65.0	2.66	2.26	1.92	1.62	1.29	0.91	0.57	0.31	0.20	0.14	0.00
V-62.5	3.07	2.60	2.20	1.78	1.41	1.00	0.67	0.33	0.22	0.14	0.00
V-60.0	3.62	2.99	2.43	1.98	1.55	1.13	0.72	0.34	0.21	0.13	0.00
V-57.5	4.98	3.61	2.85	2.28	1.82	1.33	0.88	0.44	0.27	0.14	0.00
V-55.0	6.40	4.19	3.11	2.43	1.93	1.40	0.90	0.43	0.25	0.13	0.00
V-52.5	9.42	5.19	3.45	2.60	2.04	1.49	1.00	0.47	0.27	0.15	0.00
V-50.0	12.05	6.26	3.93	2.87	2.20	1.59	1.05	0.46	0.25	0.12	0.00
V-47.5	17.50	10.25	5.15	3.24	2.43	1.77	1.20	0.57	0.33	0.15	0.00
V-45.0	22.83	12.42	5.89	3.57	2.62	1.88	1.23	0.54	0.31	0.14	0.00
V-42.5	25.99	14.81	7.59	3.78	2.75	1.96	1.35	0.59	0.36	0.16	0.00
V-40.0	28.73	17.55	8.48	4.39	2.95	2.08	1.36	0.58	0.31	0.13	0.00
V-37.5	31.21	19.38	10.63	5.07	3.24	2.27	1.53	0.69	0.40	0.18	0.00
V-35.0	36.07	23.91	12.57	5.77	3.49	2.36	1.56	0.63	0.38	0.16	0.00
V-32.5	38.07	25.28	13.71	7.01	3.59	2.43	1.64	0.71	0.42	0.18	0.00
V-30.0	39.20	24.99	14.38	7.25	3.88	2.62	1.66	0.69	0.38	0.16	0.00
V-27.5	43.00	28.74	17.38	8.94	4.84	2.84	1.88	0.82	0.51	0.21	0.00
V-25.0	44.76	29.94	17.46	9.29	4.39	2.78	1.76	0.66	0.40	0.15	0.00
V-22.5	44.75	29.89	17.99	11.66	5.62	2.97	1.96	0.82	0.49	0.21	0.00
V-20.0	47.65	31.67	18.97	10.60	5.10	3.09	1.91	0.74	0.42	0.17	0.00
V-17.5	49.29	34.91	20.70	12.53	6.46	3.26	2.08	0.85	0.52	0.22	0.00
V-15.0	46.62	30.88	19.27	10.57	5.53	3.12	1.99	0.75	0.42	0.15	0.00
V-12.5	47.71	32.43	20.55	11.49	6.51	3.20	2.10	0.84	0.54	0.22	0.00
V-10.0	50.54	33.94	21.10	12.89	6.81	3.51	2.16	0.80	0.49	0.19	0.00
V -7.5	46.51	31.52	19.67	11.97	6.94	3.28	2.20	0.83	0.51	0.19	0.00
V -5.0	48.18	32.09	20.35	12.05	6.23	3.32	2.10	0.85	0.48	0.20	0.00
V -2.5	47.87	32.45	20.32	12.63	7.02	3.58	2.20	0.87	0.55	0.23	0.00
V 0.0	46.33	30.34	19.24	11.33	6.47	3.35	2.12	0.78	0.45	0.15	0.00
V 2.5	47.87	32.45	20.32	12.63	7.02	3.58	2.20	0.87	0.55	0.23	0.00
V 5.0	48.18	32.09	20.35	12.05	6.23	3.32	2.10	0.85	0.48	0.20	0.00
V 7.5	46.51	31.52	19.67	11.97	6.94	3.28	2.20	0.83	0.51	0.19	0.00
V 10.0	50.54	33.94	21.10	12.89	6.81	3.51	2.16	0.80	0.49	0.19	0.00
V 12.5	47.71	32.43	20.55	11.49	6.51	3.20	2.10	0.84	0.54	0.22	0.00
V 15.0	46.62	30.88	19.27	10.57	5.53	3.12	1.99	0.75	0.42	0.15	0.00
V 17.5	49.29	34.91	20.70	12.53	6.46	3.26	2.08	0.85	0.52	0.22	0.00
V 20.0	47.65	31.67	18.97	10.60	5.10	3.09	1.91	0.74	0.42	0.17	0.00
V 22.5	44.75	29.89	17.99	11.66	5.62	2.97	1.96	0.82	0.49	0.21	0.00
V 25.0	44.76	29.94	17.46	9.29	4.39	2.78	1.76	0.66	0.40	0.15	0.00
V 27.5	43.00	28.74	17.38	8.94	4.84	2.84	1.88	0.82	0.51	0.21	0.00
V 30.0	39.20	24.99	14.38	7.25	3.88	2.62	1.66	0.69	0.38	0.16	0.00
V 32.5	38.07	25.28	13.71	7.01	3.59	2.43	1.64	0.71	0.42	0.18	0.00
V 35.0	36.07	23.91	12.57	5.77	3.49	2.36	1.56	0.63	0.38	0.16	0.00
V 37.5	31.21	19.38	10.63	5.07	3.24	2.27	1.53	0.69	0.40	0.18	0.00
V 40.0	28.73	17.55	8.48	4.39	2.95	2.08	1.36	0.58	0.31	0.13	0.00
V 42.5	25.99	14.81	7.59	3.78	2.75	1.96	1.35	0.59	0.36	0.16	0.00
V 45.0	22.83	12.42	5.89	3.57	2.62	1.88	1.23	0.54	0.31	0.14	0.00
V 47.5	17.50	10.25	5.15	3.24	2.43	1.77	1.20	0.57	0.33	0.15	0.00
V 50.0	12.05	6.26	3.93	2.87	2.20	1.59	1.05	0.46	0.25	0.12	0.00
V 52.5	9.42	5.19	3.45	2.60	2.04	1.49	1.00	0.47	0.27	0.15	0.00
V 55.0	6.40	4.19	3.11	2.43	1.93	1.40	0.90	0.43	0.25	0.13	0.00
V 57.5	4.98	3.61	2.85	2.28	1.82	1.33	0.88	0.44	0.27	0.14	0.00
V 60.0	3.62	2.99	2.43	1.98	1.55	1.13	0.72	0.34	0.21	0.13	0.00
V 62.5	3.07	2.60	2.20	1.78	1.41	1.00	0.67	0.33	0.22	0.14	0.00
V 65.0	2.66	2.26	1.92	1.62	1.29	0.91	0.57	0.31	0.20	0.14	0.00
V 67.5	2.25	1.94	1.65	1.36	1.06	0.75	0.49	0.27	0.19	0.14	0.00
V 70.0	1.82	1.56	1.33	1.09	0.87	0.60	0.41	0.23	0.18	0.14	0.00
V 72.5	1.37	1.20	1.03	0.87	0.69	0.50	0.36	0.22	0.17	0.14	0.00
V 75.0	1.01	0.89	0.79	0.69	0.55	0.40	0.30	0.19	0.16	0.14	0.00
V 77.5	0.70	0.63	0.57	0.50	0.42	0.33	0.27	0.18	0.15	0.14	0.00
V 80.0	0.46	0.43	0.39	0.36	0.32	0.27	0.23	0.16	0.15	0.14	0.00
V 82.5	0.34	0.31	0.29	0.27	0.25	0.23	0.21	0.15	0.14	0.14	0.00
V 85.0	0.25	0.23	0.23	0.21	0.20	0.20	0.19	0.14	0.14	0.13	0.00
V 87.5	0.20	0.19	0.19	0.19	0.18	0.18	0.18	0.13	0.13	0.13	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