



LUMA Lighting

LumCAT:	Luminaire: FL23-240W-P540-D1-GLC-WM
Report No: FL23-240W-P540-D1-GLC	Voltage(V): 0.000
Test No: JK lab 2016 0921	Current(A): 0.000
LampCAT: :	Power (W): 262.900
Lamp flux(lm)	PF: 0.000
Number of Lamps: 1	Ballast type:
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 33935.57
Lumens(lm)/Power(W): 129.08
Central intensity(cd): 12132.390
Maximum intensity(cd): 12160.080
Angle of maximum intensity: C=0.0 =1.0
Beam Angle(50% lmax): [C0__180]Left=58.8 Right=53.7
[C90__270]Left=58.3 Right=53.9
Field angle(10% lmax): [C0__180]Left=79.4 Right=74.0
[C90__270]Left=78.6 Right=73.5
Effective flux(lm): 33421.89
IES Nema Type : Type7H×7V

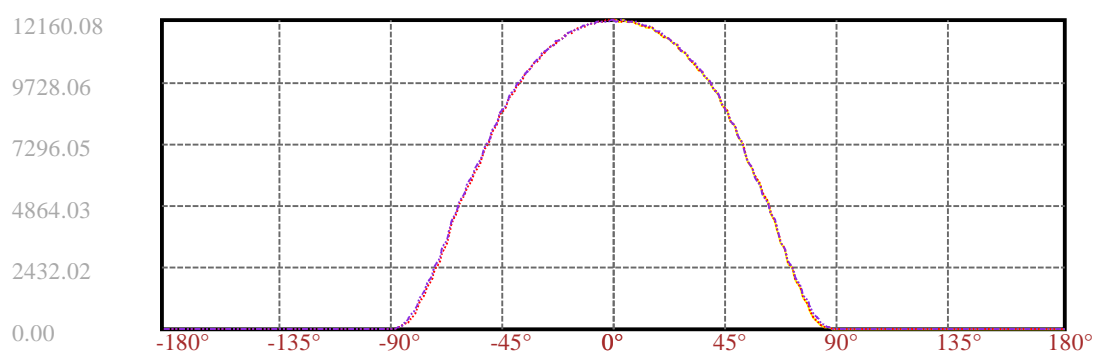
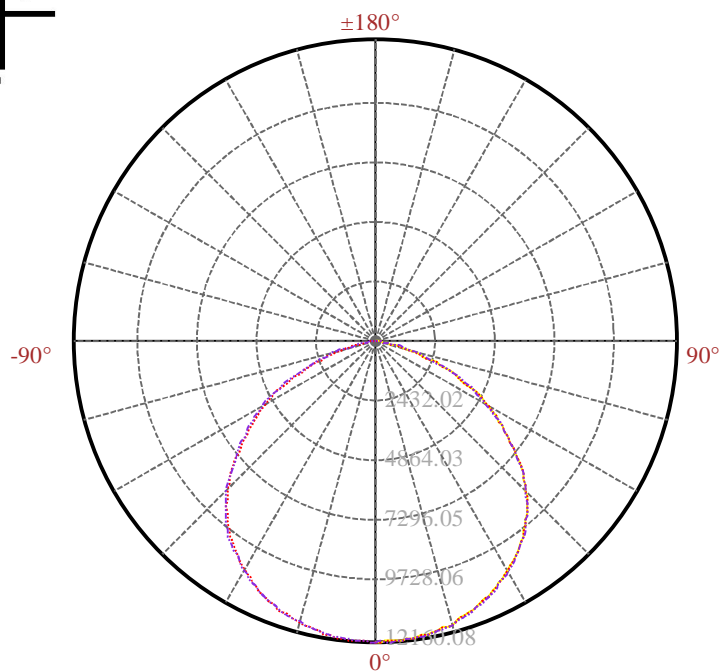
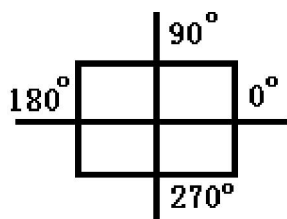
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Zonal flux distribution table 单位:lm

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V \ H		H																			Total	
V		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	---	---
	-90	0.0	0.1	0.3	0.7	1.5	2.6	4.0	5.2	5.8	5.7	5.0	3.8	2.4	1.3	0.5	0.2	0.0	0.0		39.1	
	-80	0.0	0.4	2.3	7.1	15.2	25.4	35.6	43.9	48.8	49.1	44.6	36.4	25.8	15.3	6.8	1.9	0.3	0.0		359.0	
	-70	0.1	1.4	7.9	22.7	44.5	69.2	92.9	111.5	121.4	121.7	112.4	94.1	70.6	45.2	22.7	7.7	1.2	0.1		947.2	
	-60	0.1	3.2	16.6	43.3	78.0	115.4	152.3	178.4	191.4	191.6	179.2	154.2	117.8	79.9	43.9	16.5	2.9	0.1		1564.9	
	-50	0.2	5.5	26.3	64.1	111.0	163.5	208.3	239.5	255.3	255.0	238.7	209.3	166.4	113.4	65.4	26.4	5.3	0.2		2153.7	
	-40	0.3	7.9	35.3	82.7	139.7	200.5	249.2	283.4	302.3	302.8	284.6	251.1	203.4	142.7	84.5	35.8	7.7	0.3		2614.4	
	-30	0.4	10.1	42.8	96.3	160.3	224.4	276.6	313.7	334.0	334.3	315.4	279.0	227.8	164.1	98.3	43.5	9.9	0.4		2931.4	
	-20	0.5	11.6	48.1	105.1	173.7	240.5	294.5	333.7	353.7	354.4	335.5	296.5	242.9	177.6	107.3	48.9	11.5	0.5		3136.6	
	-10	0.6	12.4	50.8	109.2	180.1	248.3	303.8	343.4	364.2	364.7	344.7	305.3	250.5	183.6	111.7	51.5	12.3	0.5		3237.5	
	0	0.6	12.3	50.8	109.2	180.5	248.4	304.0	343.8	364.6	365.5	345.3	305.7	250.8	183.4	111.6	51.5	12.3	0.5		3240.7	
	10	0.5	11.5	48.0	105.0	174.7	241.2	295.5	335.6	355.7	356.1	336.4	297.5	243.4	177.0	107.2	48.7	11.5	0.5		3145.8	
	20	0.4	10.0	42.5	96.0	161.2	225.9	278.3	316.3	336.1	336.2	316.9	280.0	227.6	163.3	97.9	43.3	9.9	0.4		2942.1	
	30	0.3	7.8	34.9	82.1	140.0	201.3	250.1	285.3	304.5	304.7	286.4	252.0	202.7	142.2	83.9	35.5	7.7	0.3		2621.6	
	40	0.2	5.4	25.8	63.1	110.7	164.2	208.6	239.4	256.9	257.9	242.2	210.5	166.0	112.8	64.4	26.2	5.2	0.2		2159.8	
	50	0.1	3.1	16.1	42.4	76.5	114.4	150.9	177.1	191.2	191.7	178.5	152.6	116.0	77.7	42.9	16.2	2.9	0.1		1550.5	
	60	0.1	1.4	7.6	21.8	43.2	66.8	89.6	108.2	118.7	119.1	109.4	91.1	67.5	43.1	21.8	7.4	1.2	0.1		918.2	
	70	0.0	0.4	2.2	6.8	14.4	23.9	33.4	41.3	46.2	46.3	41.5	33.5	23.7	14.1	6.4	1.9	0.3	0.0		336.5	
	80	0.0	0.1	0.3	0.7	1.4	2.5	3.7	4.7	5.3	5.3	4.7	3.6	2.3	1.2	0.5	0.2	0.0	0.0		36.6	
	90																					
Total	---	4.8	104.6	458.6	1058.2	1806.7	2578.5	3231.0	3704.3	3956.2	3962.2	3721.5	3256.4	2607.5	1838.0	1077.7	463.3	102.2	4.0		33935.6	

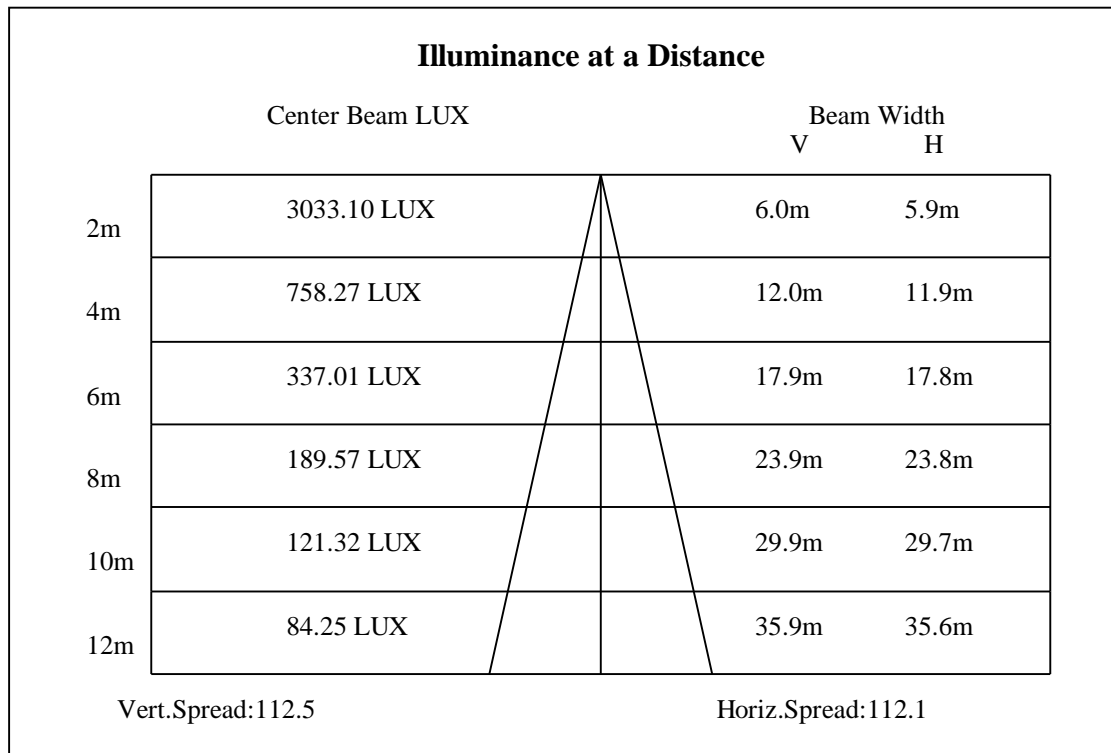
Equipment: GMS2200
Temperature(°C): 25Date:
Humidity(%): 60%Operator:
Distance(m): 13.72

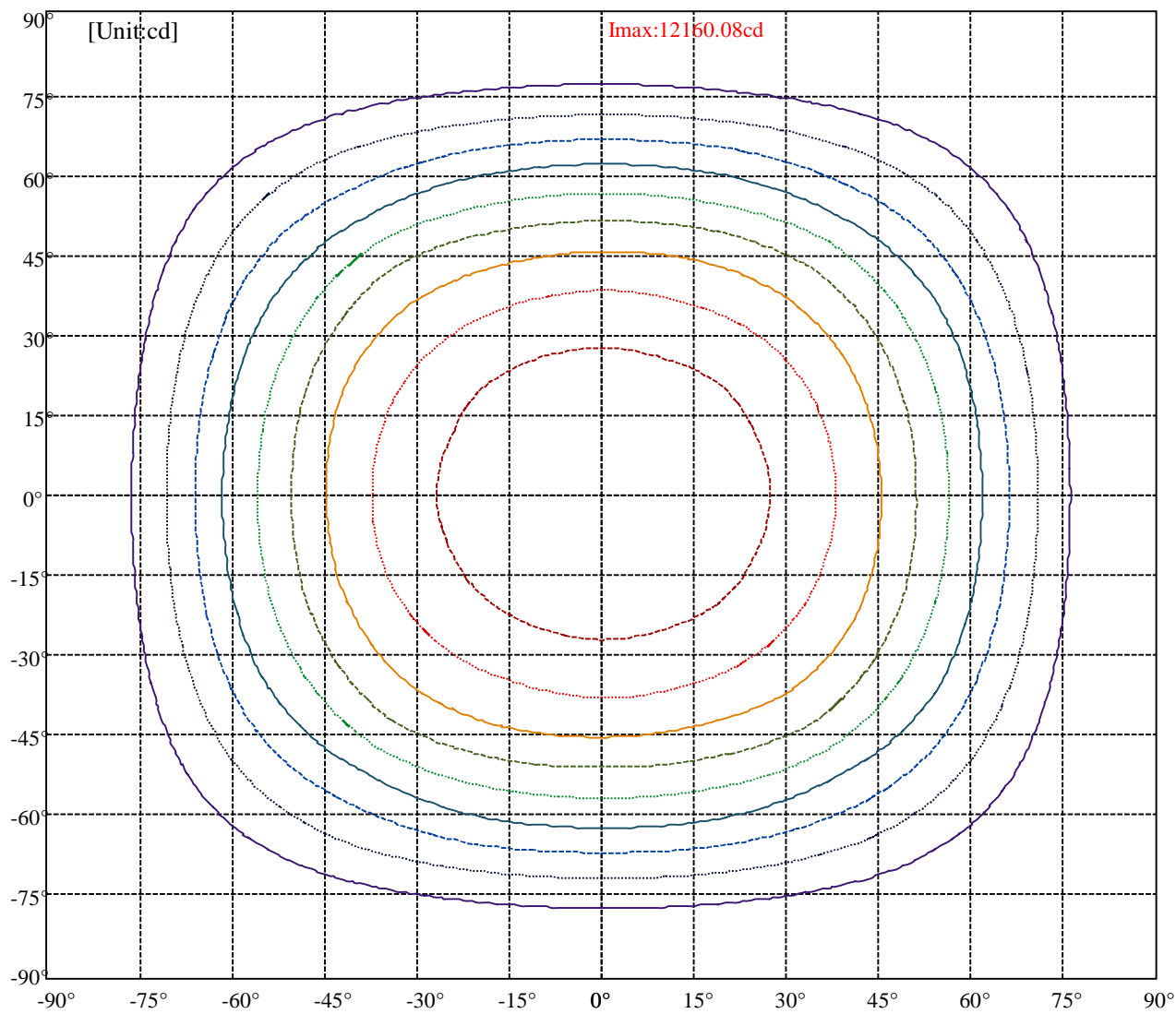


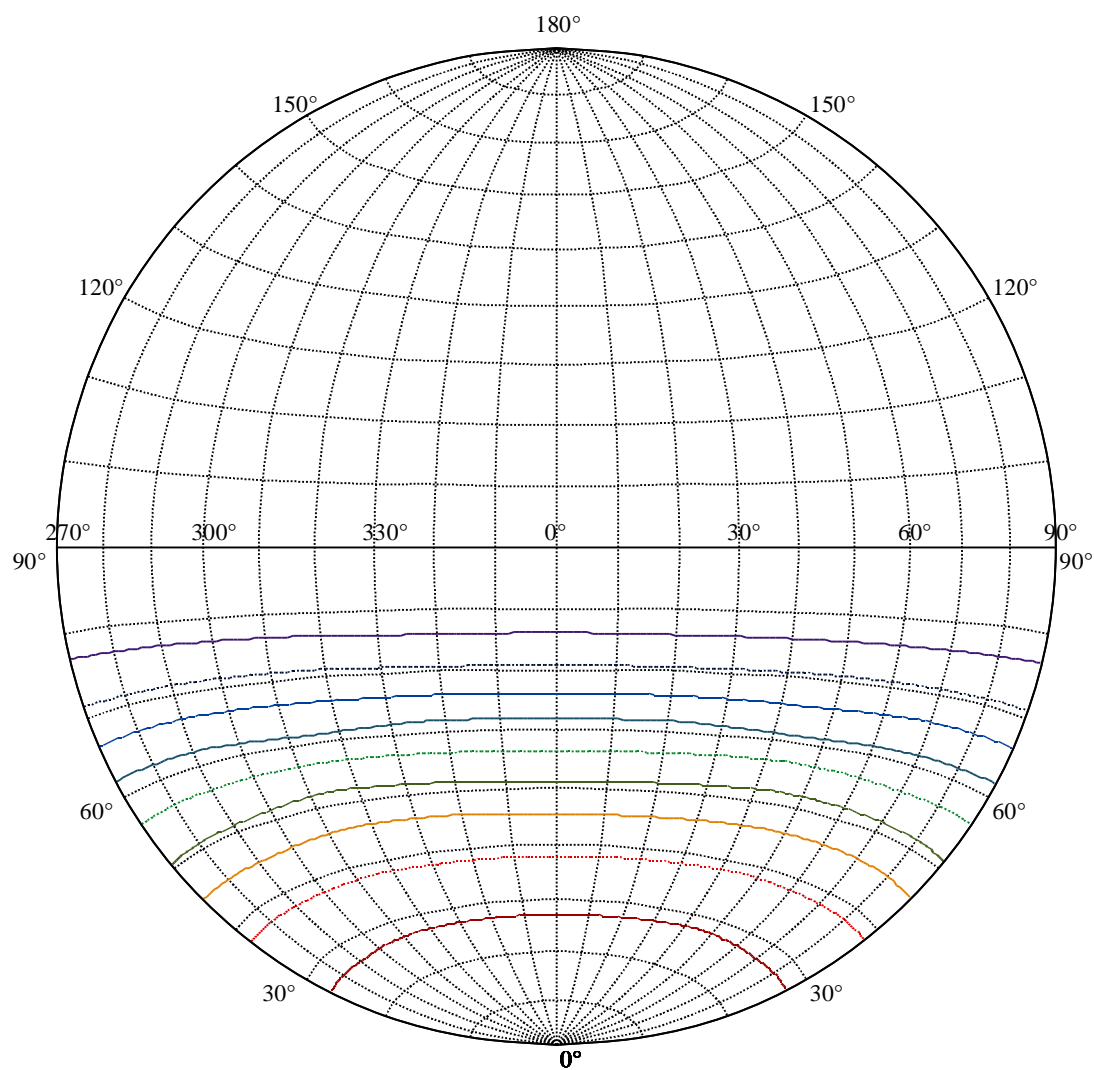
C0(Max):

C0/C180:

C90/C270:





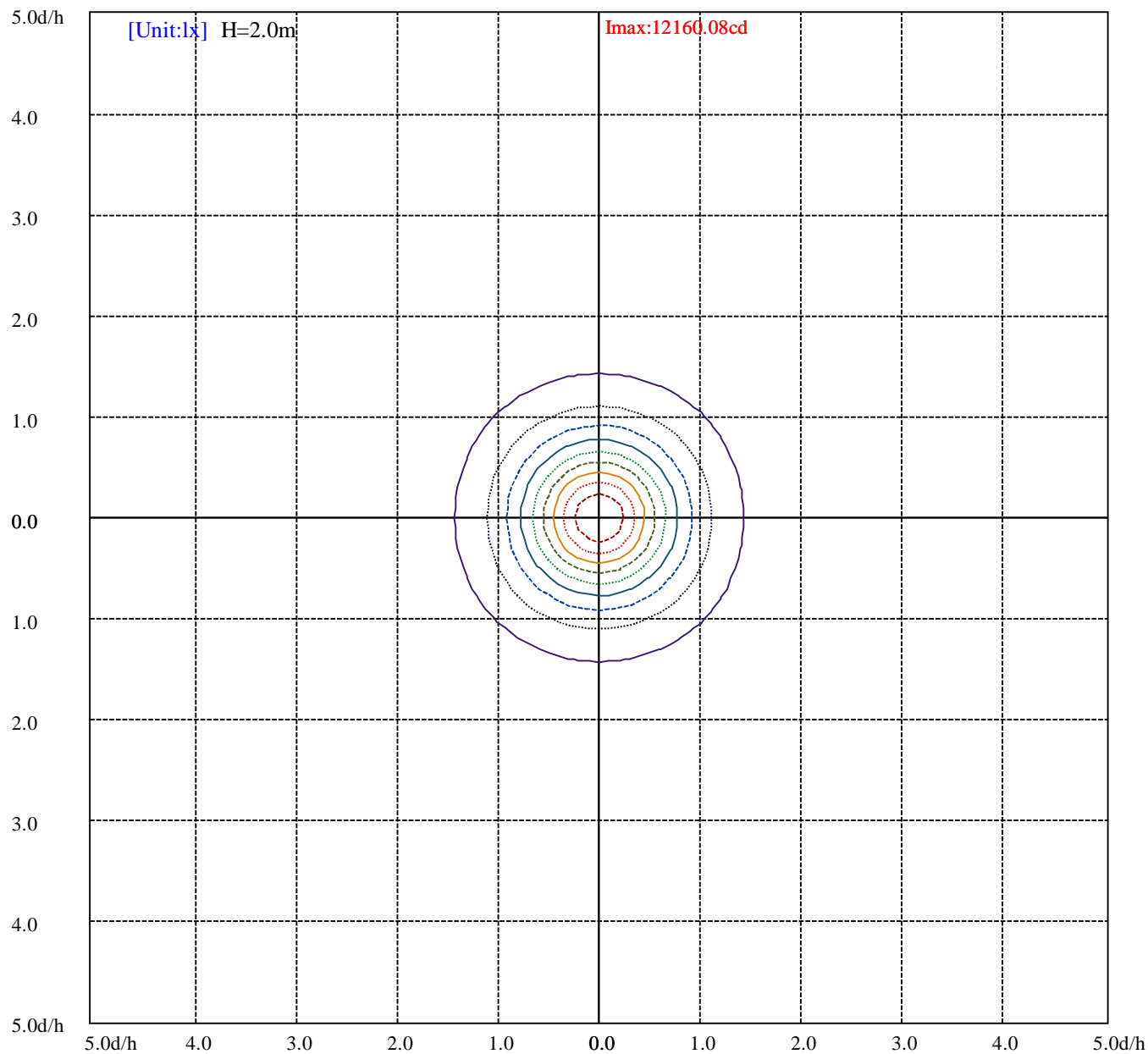


House

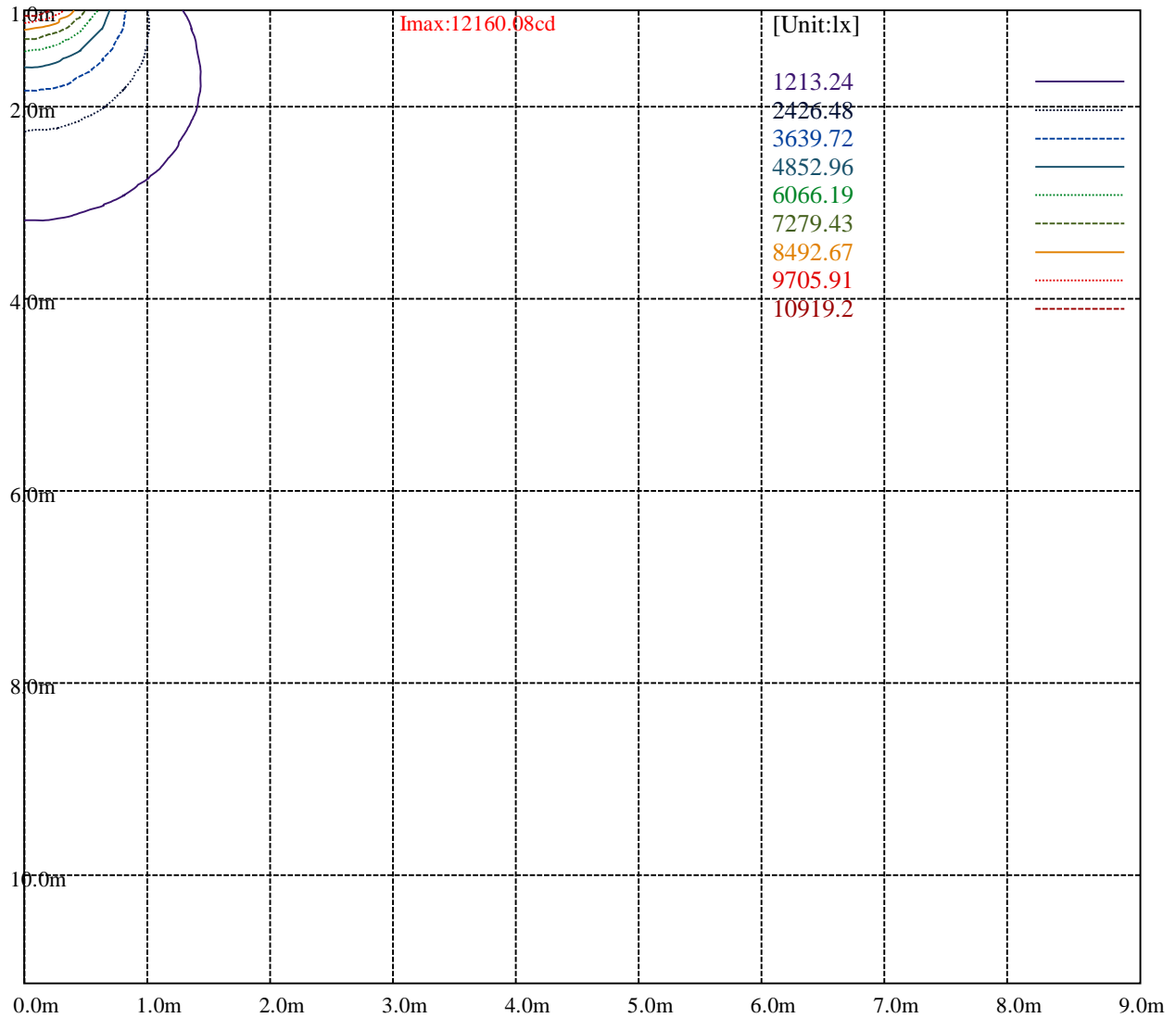
Road

Imax:12160.08cd

(10% Imax)	1216.01	—
(20% Imax)	2432.02	---
(30% Imax)	3648.02	- - -
(40% Imax)	4864.03	—
(50% Imax)	6080.04	---
(60% Imax)	7296.05	- - -
(70% Imax)	8512.06	—
(80% Imax)	9728.06	---
(90% Imax)	10944.1	- - -



(10%Emax)	303.31	———
(20%Emax)	606.62
(30%Emax)	909.93	- - - - -
(40%Emax)	1213.24	———
(50%Emax)	1516.547
(60%Emax)	1819.858	- - - - -
(70%Emax)	2123.167	———
(80%Emax)	2426.478
(90%Emax)	2729.8	- - - - -



Luminance Table

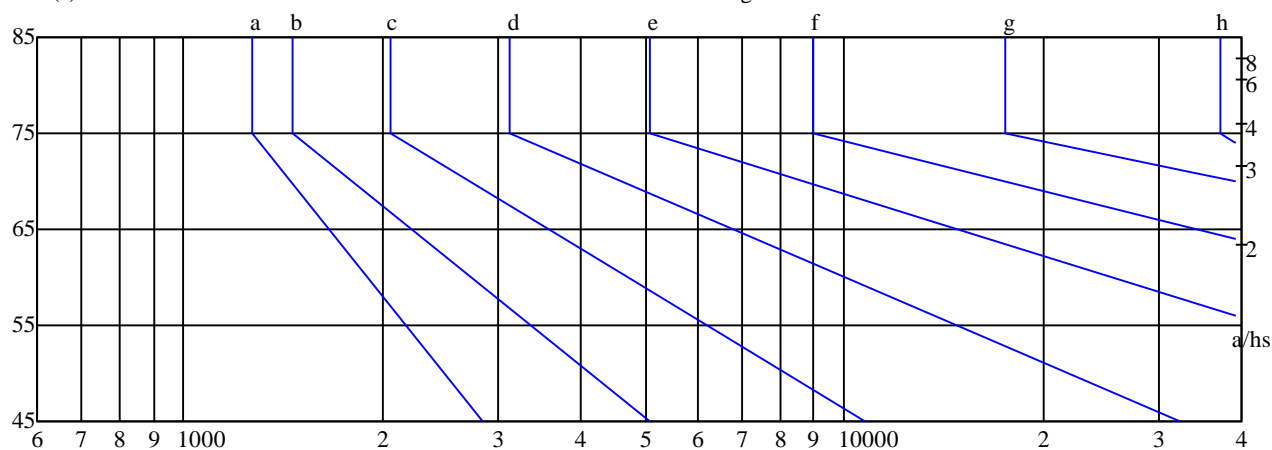
	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

(°)

Luminance Limiting Curve



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Intensity data(cd)										Page: 10 Total:16	
C/ (°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0		
0.0	12132.39	12160.08	12121.71	12095.96	12131.33	12120.33	12087.40	12112.13	12071.74		
22.5	12132.39	12150.29	12128.02	12123.92	12113.90	12063.94	12084.66	12076.48	12087.29		
45.0	12132.39	12135.02	12147.37	12122.91	12155.14	12143.32	12124.60	12110.79	12104.69		
67.5	12132.39	12117.25	12098.85	12134.56	12103.62	12078.68	12071.14	12078.59	12029.67		
90.0	12132.39	12100.79	12130.60	12147.47	12147.17	12097.33	12070.65	12120.56	12047.95		
112.5	12132.39	12103.87	12129.06	12110.11	12110.10	12085.48	12072.18	12073.80	12034.96		
135.0	12132.39	12154.27	12141.48	12111.32	12127.19	12124.26	12103.71	12069.38	12052.34		
157.5	12132.39	12099.22	12111.29	12111.97	12073.92	12071.34	12041.38	12028.24	12005.40		
180.0	12132.39	12132.70	12124.73	12131.30	12107.78	12107.61	12077.13	12066.88	12025.89		
202.5	12132.39	12118.15	12116.69	12092.08	12089.55	12077.31	12077.71	12035.34	12022.50		
225.0	12132.39	12113.67	12149.67	12118.17	12120.88	12101.09	12065.15	12066.30	12065.31		
247.5	12132.39	12132.19	12118.15	12115.77	12079.23	12051.52	12065.18	12033.76	12021.87		
270.0	12132.39	12127.97	12117.27	12098.82	12107.82	12077.71	12080.32	12050.25	12024.66		
292.5	12132.39	12120.34	12110.71	12111.85	12077.32	12082.97	12048.79	12021.02	12055.17		
315.0	12132.39	12143.85	12148.00	12128.40	12128.68	12104.82	12103.34	12087.63	12061.14		
337.5	12132.39	12102.65	12107.31	12112.69	12120.79	12089.44	12090.81	12082.72	12039.59		
360.0	12132.39	12160.08	12121.71	12095.96	12131.33	12120.33	12087.40	12112.13	12071.74		
C/ (°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0		
0.0	12009.59	12000.86	11957.13	11950.13	11883.56	11860.92	11829.60	11746.48	11684.19		
22.5	12053.21	12028.38	11985.90	11952.69	11894.33	11863.65	11820.58	11776.21	11706.95		
45.0	12082.39	12047.25	12010.04	11997.63	11944.35	11904.31	11870.47	11820.56	11761.74		
67.5	12001.60	11994.18	11965.79	11920.61	11885.15	11832.40	11794.52	11736.14	11692.50		
90.0	12064.56	12004.78	11994.68	11952.24	11906.31	11901.81	11854.54	11785.01	11741.44		
112.5	12008.04	11974.75	11930.92	11910.69	11881.32	11831.21	11777.67	11737.59	11676.44		
135.0	12030.49	12008.19	11954.53	11936.57	11875.94	11848.68	11819.61	11774.99	11720.82		
157.5	11998.83	11945.54	11926.04	11904.02	11836.41	11801.36	11760.81	11718.76	11672.34		
180.0	12003.93	11998.86	11922.39	11894.84	11857.12	11821.85	11757.60	11722.04	11658.78		
202.5	11953.79	11957.82	11939.73	11859.74	11837.96	11782.73	11755.14	11701.39	11644.42		
225.0	12011.68	11989.63	11920.84	11880.89	11851.66	11805.81	11771.00	11679.76	11660.64		
247.5	11994.29	11911.48	11921.96	11849.10	11825.49	11779.96	11729.17	11661.20	11615.09		
270.0	12002.80	11989.69	11941.47	11907.86	11833.80	11806.43	11746.54	11706.98	11690.89		
292.5	11972.26	11935.19	11893.16	11875.40	11852.26	11804.09	11727.09	11694.97	11641.48		
315.0	12028.74	12029.04	11983.38	11950.31	11902.26	11857.76	11812.13	11754.00	11697.71		
337.5	12017.15	11989.91	11964.40	11918.55	11874.51	11842.77	11796.05	11745.00	11690.92		
360.0	12009.59	12000.86	11957.13	11950.13	11883.56	11860.92	11829.60	11746.48	11684.19		
C/ (°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0		
0.0	11642.56	11571.09	11511.21	11455.97	11385.24	11299.18	11233.89	11152.09	11058.02		
22.5	11658.18	11590.57	11517.89	11484.58	11412.86	11318.80	11265.03	11160.09	11053.37		
45.0	11700.68	11600.53	11543.28	11478.07	11428.50	11337.98	11270.03	11184.73	11101.15		
67.5	11651.18	11601.74	11548.22	11458.09	11376.35	11330.93	11252.27	11161.77	11069.58		
90.0	11685.40	11634.32	11531.82	11465.12	11407.75	11337.48	11261.39	11174.16	11085.56		
112.5	11638.92	11592.54	11525.14	11421.33	11388.33	11316.88	11257.22	11170.88	11092.38		
135.0	11665.90	11593.98	11544.30	11483.27	11402.68	11323.54	11248.38	11162.65	11064.52		
157.5	11591.94	11538.70	11473.01	11381.01	11327.27	11247.14	11166.83	11101.28	10985.82		
180.0	11602.12	11551.65	11505.02	11393.71	11334.39	11278.29	11186.06	11108.52	11022.74		
202.5	11585.20	11504.67	11438.66	11388.59	11318.03	11248.07	11149.88	11063.35	10978.32		
225.0	11592.92	11526.99	11467.24	11388.03	11334.15	11262.56	11178.61	11082.49	10996.69		
247.5	11569.91	11501.98	11429.35	11393.02	11304.93	11256.20	11161.75	11073.82	10989.86		
270.0	11619.06	11539.41	11464.11	11403.31	11337.75	11313.13	11206.14	11109.50	11030.67		
292.5	11600.72	11531.02	11463.65	11400.77	11328.66	11245.06	11168.52	11082.89	11009.53		
315.0	11665.86	11612.22	11549.48	11471.31	11392.83	11319.41	11230.15	11155.63	11076.62		
337.5	11641.76	11569.05	11507.02	11432.79	11356.41	11285.97	11206.65	11139.36	11041.66		
360.0	11642.56	11571.09	11511.21	11455.97	11385.24	11299.18	11233.89	11152.09	11058.02		

LUMA Lighting

Intensity data(cd)									Page: 11 Total:16		
C/ (°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0		
0.0	10979.19	10877.45	10774.28	10673.86	10571.43	10454.38	10344.93	10231.05	10133.13		
22.5	10967.44	10887.73	10787.81	10704.04	10620.85	10490.89	10396.30	10273.60	10168.56		
45.0	11009.74	10937.63	10814.80	10720.59	10610.31	10504.68	10391.01	10275.88	10158.50		
67.5	10965.04	10889.54	10791.70	10691.80	10585.26	10485.63	10362.77	10250.30	10112.09		
90.0	10977.51	10893.63	10812.10	10704.92	10610.27	10505.07	10375.59	10265.57	10121.94		
112.5	10978.04	10875.18	10794.29	10673.87	10567.11	10465.44	10358.58	10230.91	10111.39		
135.0	10997.79	10877.32	10754.98	10678.71	10568.62	10458.78	10344.78	10229.95	10097.26		
157.5	10909.98	10833.39	10712.61	10588.77	10504.94	10401.67	10277.52	10168.40	10054.51		
180.0	10922.20	10798.29	10724.36	10609.81	10516.31	10390.33	10283.82	10174.79	10033.90		
202.5	10894.25	10791.76	10693.92	10588.67	10485.71	10384.92	10272.98	10163.85	10034.01		
225.0	10908.58	10808.49	10690.64	10592.97	10492.38	10387.73	10280.61	10140.57	10017.58		
247.5	10902.28	10791.07	10675.01	10572.73	10485.44	10352.55	10259.31	10146.97	10041.39		
270.0	10932.70	10847.21	10735.23	10633.51	10543.08	10407.20	10288.29	10187.35	10064.54		
292.5	10920.30	10799.03	10731.94	10638.94	10517.51	10415.10	10300.70	10193.72	10064.37		
315.0	10976.74	10864.15	10777.69	10695.64	10588.01	10472.09	10379.11	10256.25	10122.83		
337.5	10961.63	10860.51	10761.22	10658.47	10557.56	10463.75	10333.85	10231.19	10108.96		
360.0	10979.19	10877.45	10774.28	10673.86	10571.43	10454.38	10344.93	10231.05	10133.13		
C/ (°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0		
0.0	9997.70	9874.94	9730.24	9586.19	9429.65	9279.86	9126.43	8946.76	8765.86		
22.5	9999.30	9873.48	9745.82	9631.93	9470.72	9311.23	9156.46	9009.12	8817.65		
45.0	10029.17	9918.66	9780.10	9649.32	9500.25	9330.33	9182.19	9034.67	8888.09		
67.5	9980.36	9855.49	9728.54	9582.73	9445.81	9317.58	9153.27	9008.72	8825.98		
90.0	9999.39	9885.61	9753.66	9583.18	9436.77	9292.94	9119.89	8935.63	8749.44		
112.5	9982.78	9846.16	9694.06	9558.80	9397.40	9232.91	9076.47	8898.48	8722.72		
135.0	9977.81	9831.65	9699.08	9585.19	9425.80	9276.50	9115.83	8970.06	8797.95		
157.5	9916.77	9820.48	9658.25	9520.82	9386.61	9230.90	9102.30	8933.80	8756.53		
180.0	9888.50	9757.69	9620.56	9472.12	9309.45	9146.44	8971.98	8791.38	8608.30		
202.5	9915.09	9788.13	9647.51	9495.40	9335.25	9180.71	9010.97	8851.38	8674.22		
225.0	9906.46	9786.76	9654.65	9522.00	9364.49	9215.00	9078.46	8927.55	8770.84		
247.5	9899.59	9743.98	9614.99	9496.13	9356.77	9221.36	9058.22	8904.17	8756.53		
270.0	9964.93	9845.99	9677.27	9548.00	9380.06	9216.16	9024.76	8864.38	8673.70		
292.5	9940.10	9814.74	9686.68	9539.86	9374.06	9199.91	9041.70	8876.42	8700.25		
315.0	9992.18	9860.79	9736.60	9604.85	9469.48	9340.54	9195.79	9036.68	8877.60		
337.5	9986.17	9867.11	9725.00	9594.67	9452.83	9320.62	9173.59	9021.57	8861.24		
360.0	9997.70	9874.94	9730.24	9586.19	9429.65	9279.86	9126.43	8946.76	8765.86		
C/ (°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0		
0.0	8573.20	8384.84	8181.15	7976.10	7766.03	7535.37	7301.05	7072.45	6824.64		
22.5	8638.54	8439.12	8254.57	8052.36	7861.77	7648.15	7416.75	7190.42	6951.07		
45.0	8708.93	8527.88	8360.85	8159.58	7963.80	7772.68	7560.60	7358.18	7122.09		
67.5	8653.19	8480.91	8288.46	8085.60	7885.06	7671.92	7440.34	7191.63	6931.25		
90.0	8563.81	8381.41	8185.41	7985.66	7763.02	7525.38	7292.50	7039.66	6800.67		
112.5	8534.02	8361.97	8161.74	7959.15	7766.49	7554.10	7338.46	7102.90	6859.64		
135.0	8644.58	8471.85	8299.95	8109.61	7927.94	7748.25	7556.15	7332.81	7093.06		
157.5	8590.18	8403.29	8200.08	7994.41	7788.25	7552.49	7310.82	7066.10	6808.68		
180.0	8426.75	8225.98	8024.19	7807.61	7562.73	7342.42	7100.72	6882.30	6653.12		
202.5	8503.73	8304.31	8117.64	7913.81	7716.68	7502.60	7282.57	7041.98	6787.74		
225.0	8610.51	8474.45	8291.83	8100.86	7914.25	7721.37	7510.68	7287.91	7039.61		
247.5	8575.30	8409.77	8224.02	7997.98	7784.81	7569.36	7316.52	7060.67	6823.18		
270.0	8516.57	8298.59	8081.49	7868.79	7640.75	7412.09	7167.36	6925.53	6755.42		
292.5	8529.37	8346.79	8155.35	7957.49	7748.23	7546.75	7306.56	7074.11	6836.50		
315.0	8713.45	8547.56	8374.91	8172.81	7994.43	7813.90	7608.44	7391.85	7162.34		
337.5	8698.10	8518.42	8314.45	8112.99	7906.51	7694.74	7471.61	7217.74	6963.46		
360.0	8573.20	8384.84	8181.15	7976.10	7766.03	7535.37	7301.05	7072.45	6824.64		

LUMA Lighting

Intensity data(cd)										Page: 12 Total:16	
C/ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0		
0.0	6593.35	6361.08	6132.80	5937.33	5731.04	5496.04	5271.92	5047.41	4812.75		
22.5	6705.06	6458.59	6220.99	5988.31	5748.33	5521.85	5283.37	5066.91	4836.65		
45.0	6879.78	6644.82	6366.78	6086.19	5790.53	5489.17	5180.47	4890.96	4601.71		
67.5	6675.71	6420.62	6151.44	5913.58	5677.89	5453.85	5225.86	4988.88	4761.20		
90.0	6563.86	6337.08	6119.90	5898.14	5673.49	5443.99	5230.55	5000.44	4776.18		
112.5	6605.88	6348.25	6099.58	5856.00	5623.48	5399.20	5174.11	4953.38	4716.42		
135.0	6842.75	6550.49	6258.16	5958.09	5672.91	5393.24	5113.54	4825.73	4550.90		
157.5	6569.09	6318.40	6084.54	5869.05	5641.31	5422.42	5196.98	4953.61	4711.31		
180.0	6443.60	6229.40	6023.29	5831.69	5611.15	5420.69	5197.72	4969.38	4748.96		
202.5	6569.92	6331.69	6105.49	5889.82	5661.39	5440.96	5219.15	4996.52	4754.71		
225.0	6778.26	6509.22	6242.32	5958.55	5656.17	5372.53	5086.64	4817.97	4553.46		
247.5	6588.55	6361.16	6155.92	5943.04	5731.38	5514.49	5290.18	5057.59	4808.20		
270.0	6545.71	6340.80	6145.07	5930.01	5727.34	5522.08	5317.15	5097.85	4856.96		
292.5	6619.16	6400.65	6195.02	5982.18	5771.18	5555.92	5336.90	5111.98	4870.12		
315.0	6926.22	6645.22	6358.61	6075.32	5782.76	5490.18	5203.18	4927.70	4657.31		
337.5	6707.38	6474.52	6240.20	5999.45	5779.54	5562.75	5339.06	5107.63	4873.21		
360.0	6593.35	6361.08	6132.80	5937.33	5731.04	5496.04	5271.92	5047.41	4812.75		
C/ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0		
0.0	4517.10	4198.65	3944.77	3676.33	3419.56	3148.03	2845.72	2603.22	2384.44		
22.5	4580.09	4320.87	3992.11	3673.04	3413.05	3165.19	2903.62	2625.12	2361.74		
45.0	4320.93	4064.93	3818.88	3584.23	3361.22	3129.03	2911.06	2684.12	2389.38		
67.5	4496.27	4240.97	3967.71	3713.12	3468.32	3192.30	2929.89	2653.11	2394.70		
90.0	4532.64	4281.67	4004.18	3708.20	3417.55	3143.09	2879.21	2630.45	2393.83		
112.5	4448.36	4181.53	3906.45	3654.10	3398.32	3137.06	2869.75	2602.58	2331.22		
135.0	4261.47	3999.49	3750.37	3520.65	3303.46	3087.44	2876.03	2651.17	2415.81		
157.5	4442.19	4158.28	3898.71	3650.56	3385.63	3091.40	2808.96	2579.40	2353.09		
180.0	4500.77	4240.92	3943.59	3612.40	3297.21	3053.67	2820.84	2567.39	2321.65		
202.5	4481.23	4207.64	3957.05	3702.97	3433.27	3147.83	2861.99	2622.73	2392.25		
225.0	4306.45	4071.43	3839.07	3614.90	3402.92	3185.88	2960.46	2732.35	2493.20		
247.5	4533.12	4268.79	4033.40	3795.37	3551.32	3281.70	3000.78	2726.05	2471.26		
270.0	4601.18	4334.98	4075.24	3778.27	3494.30	3225.32	2964.36	2720.58	2488.04		
292.5	4617.30	4345.13	4079.35	3832.05	3564.80	3289.30	3010.09	2753.47	2514.58		
315.0	4397.49	4154.97	3933.11	3715.74	3515.47	3288.65	3047.93	2802.08	2523.83		
337.5	4606.40	4333.71	4030.14	3719.56	3473.69	3219.66	2953.23	2663.70	2378.22		
360.0	4517.10	4198.65	3944.77	3676.33	3419.56	3148.03	2845.72	2603.22	2384.44		
C/ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0		
0.0	2145.18	1879.30	1671.74	1420.38	1229.75	1011.18	791.99	626.08	460.93		
22.5	2143.70	1919.07	1642.26	1412.86	1186.08	1001.24	826.48	651.91	477.35		
45.0	2126.68	1879.85	1639.66	1402.84	1210.64	1037.94	849.28	695.06	541.03		
67.5	2140.74	1898.34	1683.24	1453.39	1234.85	1045.64	895.45	746.86	598.32		
90.0	2163.46	1947.12	1735.36	1523.60	1312.53	1124.05	911.06	728.30	582.13		
112.5	2098.27	1879.61	1668.28	1456.95	1246.01	1057.24	903.24	725.56	565.78		
135.0	2157.92	1912.39	1666.85	1422.41	1218.52	1043.94	884.90	697.75	559.23		
157.5	2104.77	1870.21	1635.64	1401.08	1169.50	994.99	818.68	655.20	518.13		
180.0	2108.89	1887.44	1665.99	1444.76	1253.07	1037.68	836.36	667.08	507.82		
202.5	2137.42	1896.66	1674.19	1451.72	1230.10	1047.54	858.82	675.24	521.02		
225.0	2236.12	1930.45	1713.16	1495.87	1279.19	1094.52	931.79	740.16	602.15		
247.5	2228.34	1995.41	1766.82	1538.23	1310.25	1128.74	974.46	809.02	651.20		
270.0	2274.75	2052.43	1825.86	1603.20	1416.08	1210.40	973.04	816.39	660.65		
292.5	2283.25	2050.98	1825.12	1585.43	1345.72	1171.38	995.01	826.11	657.22		
315.0	2251.60	1983.71	1734.25	1491.98	1300.80	1134.39	933.58	767.86	603.14		
337.5	2150.92	1917.07	1658.29	1426.43	1211.17	1023.43	841.82	674.16	506.85		
360.0	2145.18	1879.30	1671.74	1420.38	1229.75	1011.18	791.99	626.08	460.93		

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Intensity data(cd)										Page: 13 Total:16	
C/ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0		
0.0	328.71	231.27	160.14	98.98	57.66	38.08	21.84	6.12	2.47		
22.5	347.62	242.10	169.10	105.92	59.20	34.96	20.64	6.73	2.63		
45.0	408.95	288.76	193.05	125.06	75.99	36.78	16.18	6.57	2.89		
67.5	449.77	329.34	234.40	150.10	89.56	48.83	20.56	7.08	2.52		
90.0	455.97	351.40	252.81	162.94	103.27	59.67	30.16	12.45	2.78		
112.5	439.61	336.29	243.52	164.30	99.71	55.84	25.13	9.60	3.02		
135.0	420.91	307.28	215.75	143.60	91.34	49.78	21.77	9.55	4.30		
157.5	380.17	277.45	188.00	128.26	80.02	46.42	27.83	12.70	6.31		
180.0	377.96	264.02	189.87	127.74	76.45	47.37	29.04	12.61	6.57		
202.5	386.67	286.74	195.16	134.01	81.50	44.53	26.87	12.96	6.14		
225.0	451.76	317.14	220.62	145.33	92.16	50.17	21.63	8.20	4.06		
247.5	494.09	375.62	264.39	172.67	102.43	55.09	23.92	8.50	2.80		
270.0	504.91	379.82	272.81	172.06	99.11	54.01	25.16	9.21	2.46		
292.5	488.32	366.48	258.21	168.51	90.29	45.16	17.86	6.09	2.44		
315.0	438.42	303.34	200.16	126.55	76.79	37.78	16.14	5.95	2.59		
337.5	365.02	244.66	166.35	104.93	60.59	37.34	21.38	6.79	2.68		
360.0	328.71	231.27	160.14	98.98	57.66	38.08	21.84	6.12	2.47		
C/ (°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0		
0.0	1.73	1.64	1.64	1.64	1.67	1.64	1.95	2.01	2.28		
22.5	1.76	1.69	1.67	1.66	1.66	1.69	2.01	2.07	2.34		
45.0	1.92	1.85	1.85	1.85	1.85	1.98	2.04	2.22	2.44		
67.5	2.08	2.04	2.04	2.04	2.04	2.12	2.30	2.49	2.86		
90.0	2.26	2.29	2.37	2.50	2.67	2.88	3.15	3.48	3.80		
112.5	2.04	2.02	2.07	2.18	2.34	2.48	2.69	2.96	3.24		
135.0	2.00	2.03	2.03	2.19	2.35	2.55	2.79	3.06	3.36		
157.5	1.72	1.61	1.61	1.75	1.78	1.91	2.10	2.28	2.50		
180.0	1.82	1.48	1.45	1.51	1.59	1.77	1.89	2.07	2.31		
202.5	1.64	1.58	1.61	1.67	1.80	1.93	2.12	2.31	2.55		
225.0	1.77	1.77	1.83	1.88	1.99	2.13	2.34	2.58	2.82		
247.5	2.04	2.09	2.09	2.23	2.33	2.55	2.79	3.09	3.36		
270.0	2.13	2.05	2.04	2.07	2.12	2.10	2.26	2.50	2.85		
292.5	2.10	2.04	2.02	2.02	2.04	2.07	2.34	2.53	2.82		
315.0	2.01	1.97	1.92	1.92	1.95	2.08	2.19	2.43	2.62		
337.5	1.82	1.77	1.77	1.75	1.75	1.75	2.07	2.12	2.44		
360.0	1.73	1.64	1.64	1.64	1.67	1.64	1.95	2.01	2.28		
C/ (°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0		
0.0	2.55	2.79	2.95	3.27	3.67	3.84	4.11	4.37	4.72		
22.5	2.55	2.90	2.98	3.27	3.38	3.72	4.07	4.52	4.70		
45.0	2.76	2.89	3.06	3.33	3.72	4.10	4.52	4.75	5.04		
67.5	3.00	3.32	3.72	4.05	4.42	4.77	5.11	5.41	5.83		
90.0	4.18	4.58	5.01	5.49	5.90	6.41	6.92	7.38	7.84		
112.5	3.53	3.91	4.28	4.69	5.11	5.57	6.01	6.43	6.81		
135.0	3.68	4.03	4.33	4.63	4.96	5.35	5.80	6.33	6.79		
157.5	2.77	3.09	3.33	3.52	3.71	3.96	4.30	4.74	5.08		
180.0	2.56	2.82	3.01	3.22	3.52	3.80	4.19	4.52	4.87		
202.5	2.83	3.12	3.39	3.71	4.00	4.30	4.54	4.87	5.21		
225.0	3.12	3.36	3.65	3.98	4.30	4.67	5.03	5.43	5.86		
247.5	3.73	4.11	4.52	4.97	5.42	5.87	6.34	6.84	7.38		
270.0	3.06	3.36	3.73	4.06	4.51	4.83	5.28	5.66	6.15		
292.5	3.09	3.41	3.76	4.14	4.59	5.00	5.34	5.77	6.24		
315.0	2.86	3.26	3.48	3.80	4.16	4.61	4.94	5.27	5.64		
337.5	2.63	2.90	3.25	3.41	3.73	3.91	4.16	4.45	4.64		
360.0	2.55	2.79	2.95	3.27	3.67	3.84	4.11	4.37	4.72		

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Intensity data(cd)									Page: 14 Total:16		
C/ (°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0		
0.0	5.02	5.31	5.48	5.77	6.04	6.30	6.63	6.82	7.16		
22.5	5.04	5.15	5.45	5.61	5.80	6.03	6.25	6.31	6.41		
45.0	5.39	5.58	5.89	6.30	6.47	6.79	7.14	7.32	7.56		
67.5	6.27	6.73	7.25	7.85	8.34	8.82	9.20	9.62	9.87		
90.0	8.32	8.79	9.34	9.80	10.25	10.52	10.92	11.38	11.90		
112.5	7.10	7.57	8.06	8.56	9.10	9.63	10.28	10.76	11.14		
135.0	7.20	7.63	8.04	8.51	9.01	9.47	9.95	10.36	10.76		
157.5	5.37	5.53	5.69	5.89	6.07	6.26	6.50	6.74	6.99		
180.0	5.27	5.59	5.80	5.99	6.15	6.34	6.61	6.88	7.24		
202.5	5.45	5.59	5.69	5.88	6.02	6.23	6.59	6.98	7.28		
225.0	6.26	6.64	7.02	7.39	7.79	8.13	8.43	8.70	8.89		
247.5	7.90	8.51	9.13	9.74	10.38	10.94	11.57	12.08	12.44		
270.0	6.58	7.07	7.50	7.66	8.06	8.54	9.00	9.44	9.81		
292.5	6.69	7.18	7.70	8.25	8.82	9.30	9.71	9.97	10.22		
315.0	6.05	6.40	6.70	7.09	7.40	7.70	8.04	8.48	8.70		
337.5	4.96	5.12	5.44	5.63	5.85	6.12	6.30	6.36	6.39		
360.0	5.02	5.31	5.48	5.77	6.04	6.30	6.63	6.82	7.16		
C/ (°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0		
0.0	7.30	7.57	7.76	8.10	8.75	9.37	9.79	10.23	10.26		
22.5	6.60	6.82	7.27	7.90	8.40	8.59	8.83	9.30	9.60		
45.0	7.68	7.86	8.02	8.08	8.19	8.27	8.40	8.43	8.48		
67.5	10.15	10.43	10.56	10.70	10.91	11.07	11.45	11.81	12.22		
90.0	12.37	12.67	12.96	13.18	13.45	13.75	13.99	14.31	14.50		
112.5	11.52	11.84	12.08	12.29	12.51	12.70	12.91	13.29	13.80		
135.0	11.00	11.22	11.22	11.22	11.21	11.11	11.08	11.00	10.97		
157.5	7.17	7.34	7.60	8.06	8.59	9.19	9.40	9.61	10.21		
180.0	7.63	7.96	8.30	8.62	9.01	9.33	9.71	10.17	10.61		
202.5	7.60	7.79	8.07	8.56	9.14	9.77	10.31	10.70	11.12		
225.0	9.10	9.18	9.21	9.29	9.34	9.34	9.42	9.56	9.82		
247.5	12.79	13.11	13.41	13.60	13.81	13.97	14.22	14.51	14.76		
270.0	10.19	10.62	11.00	11.21	11.45	11.67	11.86	12.12	12.44		
292.5	10.56	10.65	10.96	11.08	11.48	11.67	12.04	12.41	12.85		
315.0	8.94	9.00	9.24	9.43	9.77	10.00	10.23	10.64	11.02		
337.5	6.42	6.81	7.42	7.97	8.47	8.91	9.41	9.90	10.44		
360.0	7.30	7.57	7.76	8.10	8.75	9.37	9.79	10.23	10.26		
C/ (°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0		
0.0	10.50	10.85	11.19	11.28	11.44	11.47	11.47	11.50	11.55		
22.5	9.82	10.16	10.52	10.76	10.98	11.03	11.14	11.19	11.30		
45.0	8.51	8.64	8.85	9.14	9.28	9.42	9.50	9.71	9.85		
67.5	12.67	13.10	13.57	13.96	14.29	14.50	14.74	14.85	14.91		
90.0	14.71	15.17	15.69	16.17	16.68	17.13	17.51	17.94	18.10		
112.5	14.26	14.72	15.06	15.33	15.60	15.81	15.95	16.05	16.13		
135.0	10.97	11.03	11.32	11.60	12.02	12.49	12.98	13.39	13.71		
157.5	10.61	10.88	11.10	11.33	11.60	11.76	11.84	11.95	12.08		
180.0	10.85	11.12	11.50	11.60	11.60	11.52	11.47	11.39	11.39		
202.5	11.55	11.96	12.33	12.67	12.94	13.10	13.29	13.42	13.48		
225.0	10.09	10.23	10.42	10.63	10.82	11.01	11.17	11.30	11.47		
247.5	15.27	15.96	16.52	16.87	17.35	17.45	17.43	17.43	17.18		
270.0	12.85	13.30	13.90	14.44	14.92	15.38	15.75	15.79	15.84		
292.5	13.17	13.60	13.98	14.19	14.22	14.23	14.09	14.01	13.93		
315.0	11.42	11.48	11.51	11.51	11.62	11.70	11.89	11.94	11.94		
337.5	10.94	11.49	11.86	12.21	12.32	12.38	12.43	12.51	12.67		
360.0	10.50	10.85	11.19	11.28	11.44	11.47	11.47	11.50	11.55		

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Intensity data(cd)										Page: 15 Total:16
C/ (°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0	
0.0	11.71	11.87	11.92	12.03	12.45	12.98	13.53	13.72	13.75	
22.5	11.43	11.64	11.86	12.16	12.32	12.58	12.72	12.80	12.81	
45.0	10.06	10.20	10.57	10.84	11.24	11.59	11.89	12.32	12.90	
67.5	14.91	14.85	14.88	14.85	14.85	14.88	14.88	14.88	14.88	
90.0	18.18	18.29	18.40	18.50	18.50	18.50	18.50	18.44	18.09	
112.5	16.13	16.14	16.27	16.30	16.41	16.57	16.65	16.73	16.70	
135.0	13.95	14.08	14.27	14.38	14.51	14.65	14.76	14.87	14.94	
157.5	12.30	12.49	12.59	12.65	12.65	12.67	12.75	12.84	12.97	
180.0	11.47	11.74	12.09	12.47	12.76	13.14	13.51	13.89	14.07	
202.5	13.50	13.48	13.50	13.53	13.56	13.56	13.66	13.66	13.72	
225.0	11.68	11.84	11.94	12.14	12.35	12.59	12.89	13.29	13.58	
247.5	17.01	16.59	16.35	16.14	16.06	16.06	16.17	16.28	16.38	
270.0	15.84	15.87	15.92	15.97	15.97	16.16	16.24	16.24	16.30	
292.5	13.90	13.90	14.06	14.40	14.62	14.97	15.03	15.32	15.33	
315.0	12.00	11.97	11.97	11.97	11.97	12.16	12.61	13.01	13.43	
337.5	12.78	12.97	13.18	13.26	13.61	13.77	14.01	14.07	14.20	
360.0	11.71	11.87	11.92	12.03	12.45	12.98	13.53	13.72	13.75	
C/ (°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0	
0.0	13.93	14.10	14.39	14.50	14.69	14.83	14.91	14.91	14.91	
22.5	12.99	13.46	13.90	14.16	14.55	14.86	14.93	14.98	14.98	
45.0	13.33	13.68	14.00	14.19	14.41	14.54	14.71	14.87	14.82	
67.5	14.88	14.83	14.80	14.83	14.88	14.88	14.91	14.88	14.80	
90.0	17.49	16.77	16.13	15.87	15.84	15.84	16.00	16.41	16.89	
112.5	16.67	16.65	16.65	16.65	16.59	16.35	16.16	15.78	15.45	
135.0	15.22	15.49	15.73	16.01	16.27	16.46	16.54	16.51	16.51	
157.5	13.02	13.10	13.21	13.32	13.54	13.77	13.99	14.26	14.39	
180.0	14.07	14.10	14.10	14.13	14.10	14.07	13.99	13.78	13.59	
202.5	13.75	13.88	14.07	14.07	14.09	14.04	14.01	13.92	13.62	
225.0	13.97	14.36	14.71	15.00	15.35	15.41	15.38	15.38	15.38	
247.5	16.58	16.96	17.49	17.97	18.31	18.63	18.73	18.44	18.11	
270.0	16.35	16.35	15.88	15.27	14.52	13.79	13.35	13.26	13.36	
292.5	15.35	15.33	15.27	15.27	15.30	15.46	15.62	15.70	15.76	
315.0	13.89	14.45	14.91	15.37	15.70	15.94	16.23	16.37	16.35	
337.5	14.50	14.82	14.93	15.09	15.22	15.33	15.33	15.36	15.38	
360.0	13.93	14.10	14.39	14.50	14.69	14.83	14.91	14.91	14.91	
C/ (°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0	
0.0	14.85	14.64	14.51	14.50	14.48	14.48	14.53	14.82	14.99	
22.5	14.98	14.98	14.90	14.85	14.82	14.85	14.90	14.98	15.11	
45.0	14.69	14.55	14.50	14.49	14.63	14.91	15.11	15.35	15.67	
67.5	14.56	14.19	13.97	13.94	13.94	13.99	14.21	14.45	14.77	
90.0	17.32	17.53	17.51	17.51	17.59	17.72	17.86	18.10	18.26	
112.5	15.14	14.89	14.41	13.98	13.90	13.88	14.12	14.91	15.89	
135.0	16.51	16.51	16.51	16.59	16.68	16.89	17.00	17.13	17.27	
157.5	14.53	14.88	15.29	15.78	16.20	16.67	17.00	17.41	17.79	
180.0	13.18	12.92	12.81	12.84	12.87	13.08	13.33	13.57	13.73	
202.5	13.20	12.89	12.89	12.89	12.91	13.02	13.05	13.18	13.29	
225.0	15.41	15.32	15.30	15.11	14.89	14.49	14.36	14.33	14.34	
247.5	17.56	16.85	16.14	15.44	15.17	15.17	15.17	15.17	15.20	
270.0	13.71	13.98	14.25	14.88	15.43	15.81	16.00	16.21	16.55	
292.5	15.65	15.39	15.17	15.01	14.90	14.77	14.74	14.76	14.74	
315.0	16.38	16.35	16.11	16.11	16.08	16.08	16.13	16.27	16.48	
337.5	15.25	14.99	14.72	14.63	14.61	14.61	14.63	14.66	14.87	
360.0	14.85	14.64	14.51	14.50	14.48	14.48	14.53	14.82	14.99	

LUMA Lighting

Intensity data(cd)										Page: 16 Total:16
C/ (°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0	
0.0	15.22	15.42	15.68	16.23	16.98	17.82	18.72	19.62	20.42	
22.5	15.19	15.33	15.70	16.20	17.03	17.81	18.50	19.54	20.07	
45.0	15.94	16.13	16.32	16.79	17.33	17.98	18.27	18.77	19.18	
67.5	14.93	15.25	15.42	15.81	16.14	16.25	16.72	18.23	19.24	
90.0	18.45	18.53	18.75	19.16	20.23	20.58	20.76	21.25	21.78	
112.5	16.81	17.38	17.83	18.29	19.40	19.82	20.18	20.59	21.25	
135.0	17.35	17.38	17.41	17.57	17.76	18.08	18.60	19.17	19.76	
157.5	18.16	18.55	18.77	19.13	19.98	20.96	21.62	21.84	22.23	
180.0	13.84	13.99	14.11	14.50	15.71	17.00	17.92	18.68	19.51	
202.5	13.51	13.66	13.88	14.35	15.28	16.56	17.69	18.56	19.41	
225.0	14.52	14.96	15.38	16.27	17.38	18.53	19.28	19.84	20.47	
247.5	15.26	15.34	15.37	15.71	16.43	17.41	18.10	18.38	19.01	
270.0	16.72	17.04	17.34	17.92	18.75	18.85	18.77	19.68	20.95	
292.5	14.92	14.98	15.22	15.88	16.29	16.56	16.75	17.93	18.89	
315.0	16.88	17.16	17.21	17.83	18.73	19.52	19.91	20.48	20.89	
337.5	15.25	15.41	15.81	16.56	17.29	18.03	18.79	19.35	19.89	
360.0	15.22	15.42	15.68	16.23	16.98	17.82	18.72	19.62	20.42	
C/ (°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0	
0.0	20.84	21.05	21.40	21.43	21.49	21.92	21.89	21.89	21.65	
22.5	20.27	20.63	20.88	21.34	21.76	22.32	22.39	22.49	22.42	
45.0	19.32	19.38	19.64	19.96	20.23	20.45	20.48	20.48	20.16	
67.5	19.67	19.94	20.08	20.21	20.43	20.54	20.64	20.64	20.59	
90.0	21.73	21.51	21.51	21.33	21.49	21.19	21.19	21.08	21.38	
112.5	21.46	21.46	21.48	21.41	21.42	21.06	21.06	21.06	21.23	
135.0	20.19	20.46	20.60	20.81	20.89	20.86	20.75	20.50	20.00	
157.5	22.61	22.80	22.88	22.93	23.04	23.03	22.76	22.47	21.71	
180.0	20.21	20.88	21.19	21.31	21.89	22.16	22.29	22.20	21.49	
202.5	20.17	20.92	21.50	21.80	22.10	22.31	22.32	21.82	21.31	
225.0	21.18	22.04	22.39	22.47	23.05	23.03	22.92	22.60	22.19	
247.5	19.28	19.47	19.71	19.76	20.19	20.19	20.16	20.02	19.63	
270.0	21.64	21.94	21.94	22.73	23.10	23.10	23.13	22.84	22.35	
292.5	19.31	19.41	19.68	19.76	20.00	20.22	20.22	20.22	20.22	
315.0	21.00	21.05	21.08	21.48	21.85	22.05	22.45	22.38	22.01	
337.5	20.32	20.65	20.86	21.39	21.53	21.75	21.91	21.91	21.94	
360.0	20.84	21.05	21.40	21.43	21.49	21.92	21.89	21.89	21.65	
C/ (°)	180.0									
0.0	21.42									
22.5	21.42									
45.0	21.42									
67.5	21.42									
90.0	21.42									
112.5	21.42									
135.0	21.42									
157.5	21.42									
180.0	21.42									
202.5	21.42									
225.0	21.42									
247.5	21.42									
270.0	21.42									
292.5	21.42									
315.0	21.42									
337.5	21.42									
360.0	21.42									