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Nata

Client:

LumCAT: 2-2760-L

Luminaire: 92.70.412.00

Report No: 2024814-B019

Ballast type: AC

Test No: 2024814-C019

Voltage(V): 34.630

LampCAT: LUMINUS CXM-14-AC40

Current(A): 0.694

Lamp flux(lm): 3147.0

Power (W): 24.030

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2897.41, Efficiency(%): 92.07% , Luminous Efficacy(lm/W): 120.57

Central intensity(cd): 4223.042, Maximum intensity(cd): 4223.857

Angle of maximum intensity: C=0.0 γ =2.0

Beam Angle(50%Imax): [C0/180]Total=50.8

[C90/270]Total=50.8

Field angle(10%Imax): [C0/180]Total=73.8

[C90/270]Total=73.8

Maximum s/h(1/2): C0_180=0.81 C90_270=0.81

Maximum s/h(1/4): C0_180=0.77 C90_270=0.77

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.07%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.350%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4223.042	0.000	0	0.00%	0.00%
1.0	4220.657	4.040	4.04	0.13%	0.14%
2.0	4223.857	12.120	16.161	0.39%	0.56%
3.0	4222.267	20.200	36.361	0.64%	1.25%
4.0	4213.633	28.238	64.599	0.90%	2.23%
5.0	4205.342	36.218	100.817	1.15%	3.48%
6.0	4193.791	44.140	144.956	1.40%	5.00%
7.0	4169.336	51.910	196.866	1.65%	6.79%
8.0	4137.779	59.452	256.318	1.89%	8.85%
9.0	4098.226	66.748	323.067	2.12%	11.15%
10.0	4042.641	73.672	396.739	2.34%	13.69%
11.0	3988.042	80.243	476.982	2.55%	16.46%
12.0	3908.094	86.316	563.298	2.74%	19.44%
13.0	3827.516	91.802	655.1	2.92%	22.61%
14.0	3729.040	96.723	751.823	3.07%	25.95%
15.0	3630.420	101.034	852.857	3.21%	29.44%
16.0	3503.383	104.530	957.387	3.32%	33.04%
17.0	3383.317	107.244	1064.632	3.41%	36.74%
18.0	3253.152	109.421	1174.053	3.48%	40.52%
19.0	3107.035	110.654	1284.707	3.52%	44.34%
20.0	2976.450	111.345	1396.052	3.54%	48.18%
21.0	2826.844	111.435	1507.487	3.54%	52.03%
22.0	2672.028	110.502	1617.989	3.51%	55.84%
23.0	2518.526	108.912	1726.901	3.46%	59.60%
24.0	2343.998	106.312	1833.213	3.38%	63.27%
25.0	2177.257	102.803	1936.016	3.27%	66.82%
26.0	2030.943	99.335	2035.351	3.16%	70.25%
27.0	1867.546	95.377	2130.729	3.03%	73.54%
28.0	1695.049	90.197	2220.926	2.87%	76.65%
29.0	1491.027	83.357	2304.283	2.65%	79.53%
30.0	1353.248	76.795	2381.078	2.44%	82.18%
31.0	1126.776	69.015	2450.093	2.19%	84.56%
32.0	1009.745	61.209	2511.302	1.94%	86.67%
33.0	860.586	55.101	2566.403	1.75%	88.58%
34.0	723.221	47.931	2614.333	1.52%	90.23%
35.0	607.044	41.313	2655.646	1.31%	91.66%
36.0	500.329	35.259	2690.905	1.12%	92.87%
37.0	417.221	29.925	2720.831	0.95%	93.91%

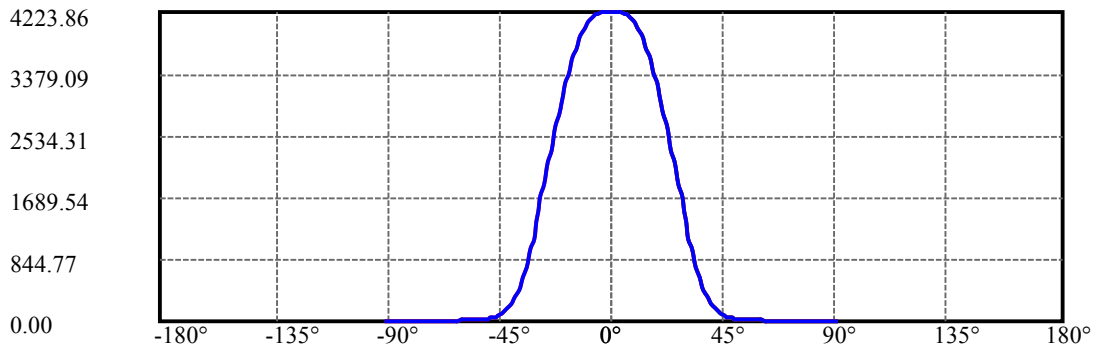
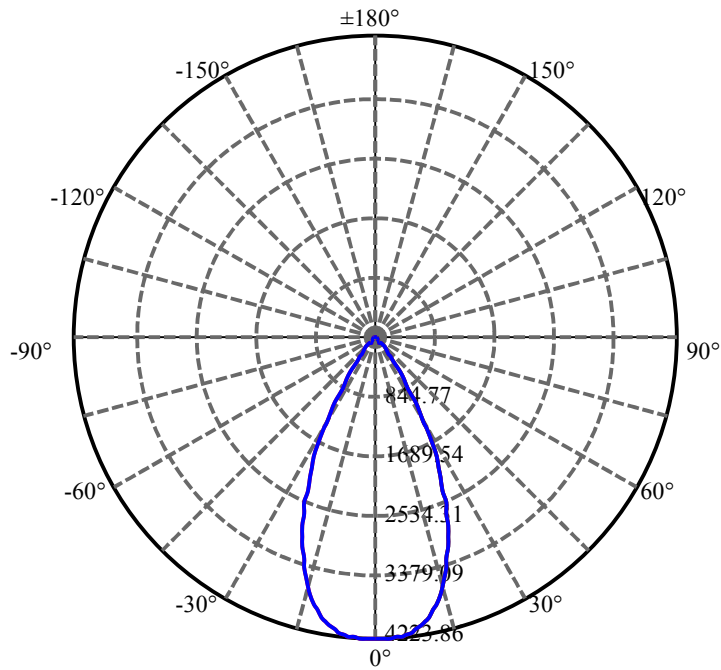
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	344.994	25.442	2746.272	0.81%	94.78%
39.0	294.521	21.828	2768.101	0.69%	95.54%
40.0	235.940	18.501	2786.601	0.59%	96.18%
41.0	196.012	15.382	2801.983	0.49%	96.71%
42.0	155.460	12.770	2814.753	0.41%	97.15%
43.0	118.857	10.162	2824.914	0.32%	97.50%
44.0	96.452	8.126	2833.04	0.26%	97.78%
45.0	77.838	6.698	2839.739	0.21%	98.01%
46.0	62.694	5.496	2845.235	0.17%	98.20%
47.0	52.162	4.568	2849.803	0.15%	98.36%
48.0	43.804	3.879	2853.682	0.12%	98.49%
49.0	37.707	3.347	2857.029	0.11%	98.61%
50.0	33.075	2.951	2859.981	0.09%	98.71%
51.0	29.041	2.628	2862.609	0.08%	98.80%
52.0	26.110	2.367	2864.975	0.08%	98.88%
53.0	23.739	2.168	2867.144	0.07%	98.96%
54.0	21.564	1.997	2869.14	0.06%	99.02%
55.0	19.698	1.842	2870.982	0.06%	99.09%
56.0	18.246	1.715	2872.697	0.05%	99.15%
57.0	16.820	1.603	2874.3	0.05%	99.20%
58.0	15.690	1.503	2875.803	0.05%	99.25%
59.0	14.731	1.422	2877.226	0.05%	99.30%
60.0	13.745	1.345	2878.571	0.04%	99.35%
61.0	12.937	1.273	2879.844	0.04%	99.39%
62.0	12.227	1.213	2881.057	0.04%	99.44%
63.0	11.524	1.155	2882.212	0.04%	99.48%
64.0	10.926	1.102	2883.314	0.04%	99.51%
65.0	10.361	1.054	2884.367	0.03%	99.55%
66.0	9.790	1.005	2885.372	0.03%	99.58%
67.0	9.323	0.961	2886.334	0.03%	99.62%
68.0	8.837	0.920	2887.253	0.03%	99.65%
69.0	8.357	0.877	2888.131	0.03%	99.68%
70.0	7.911	0.835	2888.966	0.03%	99.71%
71.0	7.490	0.796	2889.762	0.03%	99.74%
72.0	7.030	0.755	2890.517	0.02%	99.76%
73.0	6.643	0.715	2891.232	0.02%	99.79%
74.0	6.216	0.676	2891.908	0.02%	99.81%
75.0	5.848	0.637	2892.545	0.02%	99.83%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.401	0.597	2893.143	0.02%	99.85%
77.0	5.079	0.559	2893.701	0.02%	99.87%
78.0	4.639	0.520	2894.222	0.02%	99.89%
79.0	4.179	0.474	2894.695	0.02%	99.91%
80.0	3.811	0.431	2895.126	0.01%	99.92%
81.0	3.390	0.389	2895.515	0.01%	99.93%
82.0	2.996	0.346	2895.862	0.01%	99.95%
83.0	2.635	0.306	2896.168	0.01%	99.96%
84.0	2.280	0.268	2896.436	0.01%	99.97%
85.0	1.958	0.231	2896.667	0.01%	99.97%
86.0	1.702	0.200	2896.867	0.01%	99.98%
87.0	1.445	0.172	2897.039	0.01%	99.99%
88.0	1.202	0.145	2897.184	0.00%	99.99%
89.0	1.018	0.122	2897.306	0.00%	100.00%
90.0	0.913	0.106	2897.412	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	2381.08	75.66%	82.18%
0-40	2786.60	88.55%	96.18%
0-60	2878.57	91.47%	99.35%
0-90	2897.31	92.07%	100.00%
0-120	2897.31	92.07%	100.00%
0-180	2897.41	92.07%	100.00%
60-90	18.74	0.60%	0.65%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-29.18	2317.93	73.66%	80.00%

ZONAL LUMEN SUMMARY

0-10	396.74
10-20	999.31
20-30	985.03
30-40	405.52
40-50	73.38
50-60	18.59
60-70	10.40
70-80	6.16
80-90	2.18
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



C0(Max): —————

C0/C180: —————

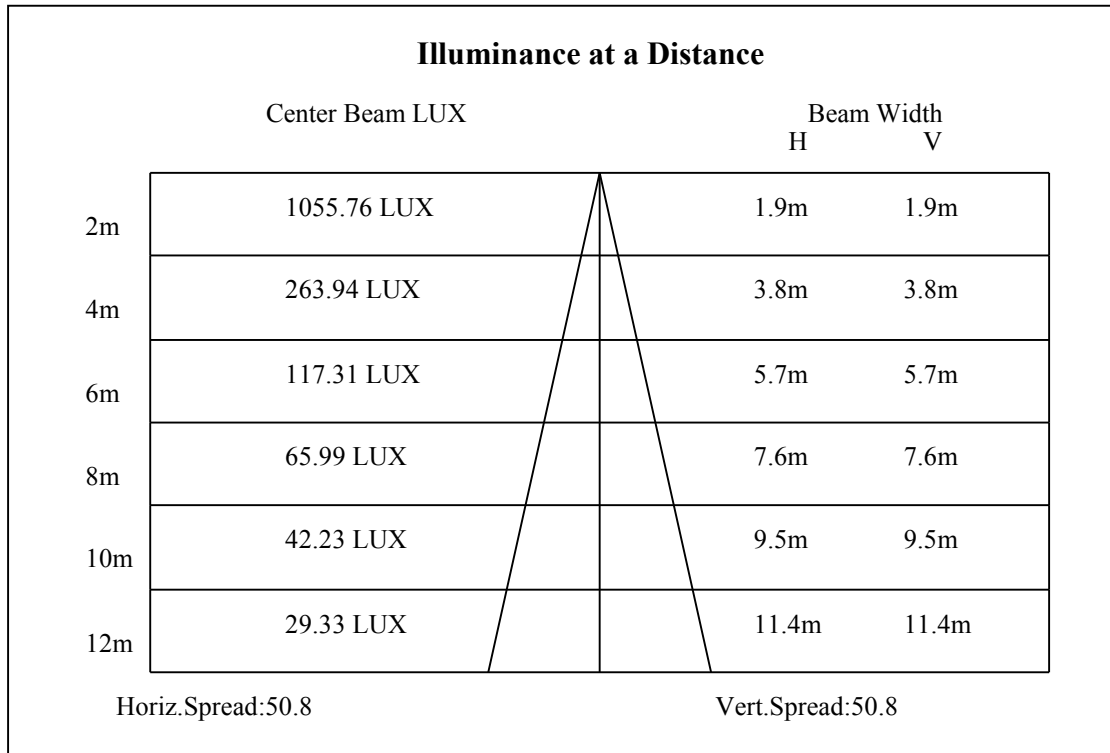
C90/C270: —————

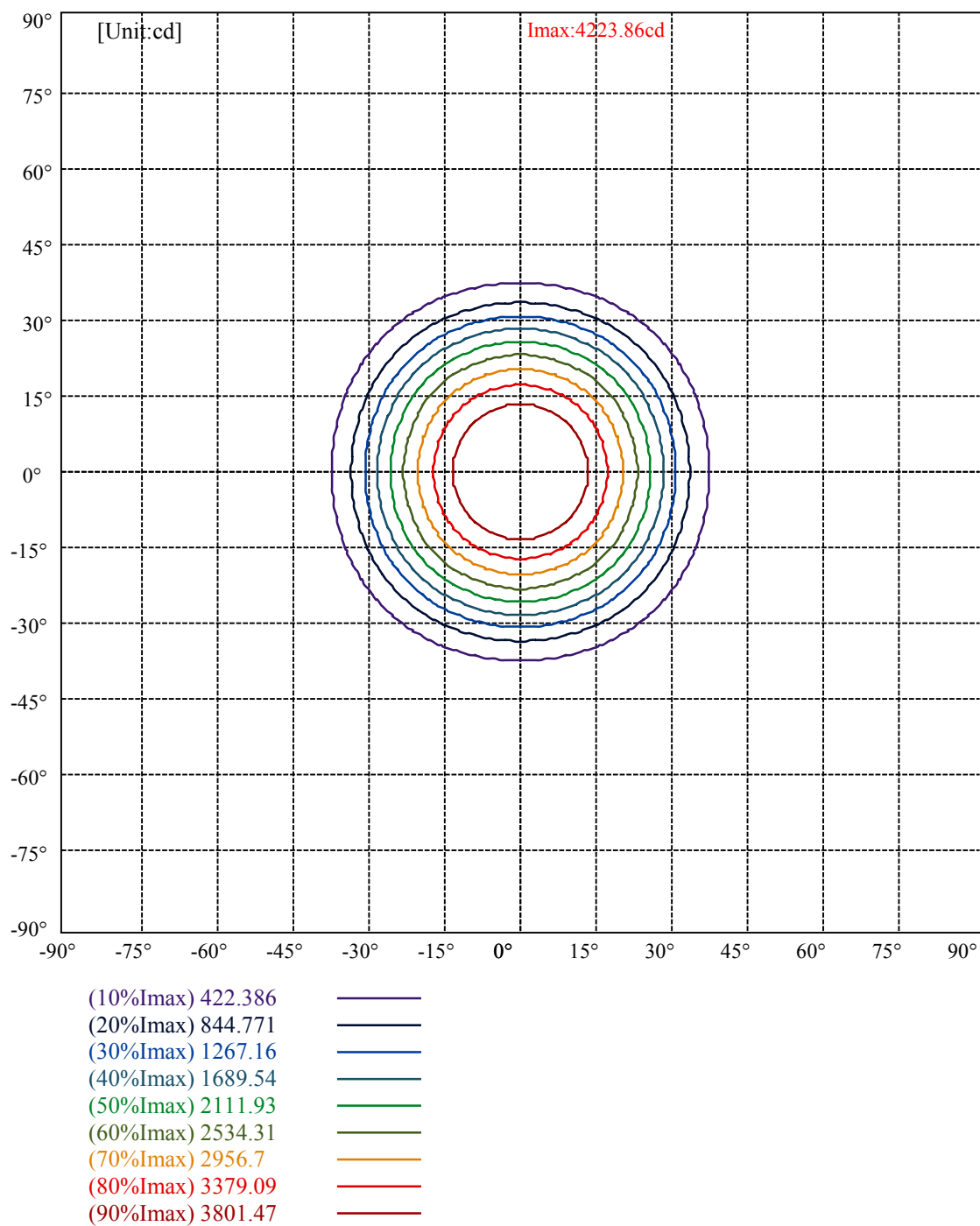
Field angle(10%Imax):C0/180Left:38.9 Right:34.9

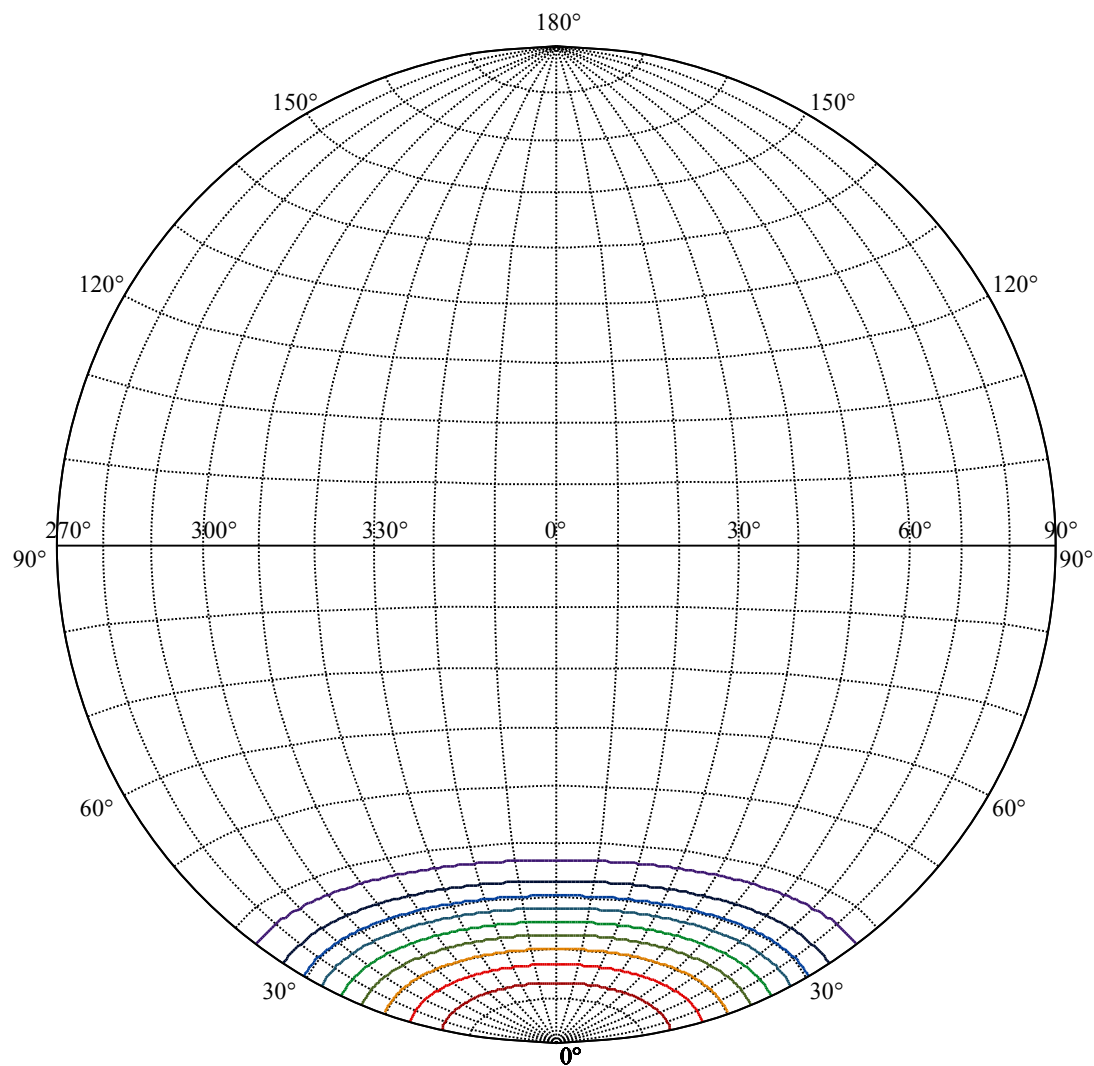
:C90/270Left:38.9 Right:34.9

Beam Angle(50%Imax):C0/180Left:27.4 Right:23.4

:C90/270Left:27.4 Right:23.4





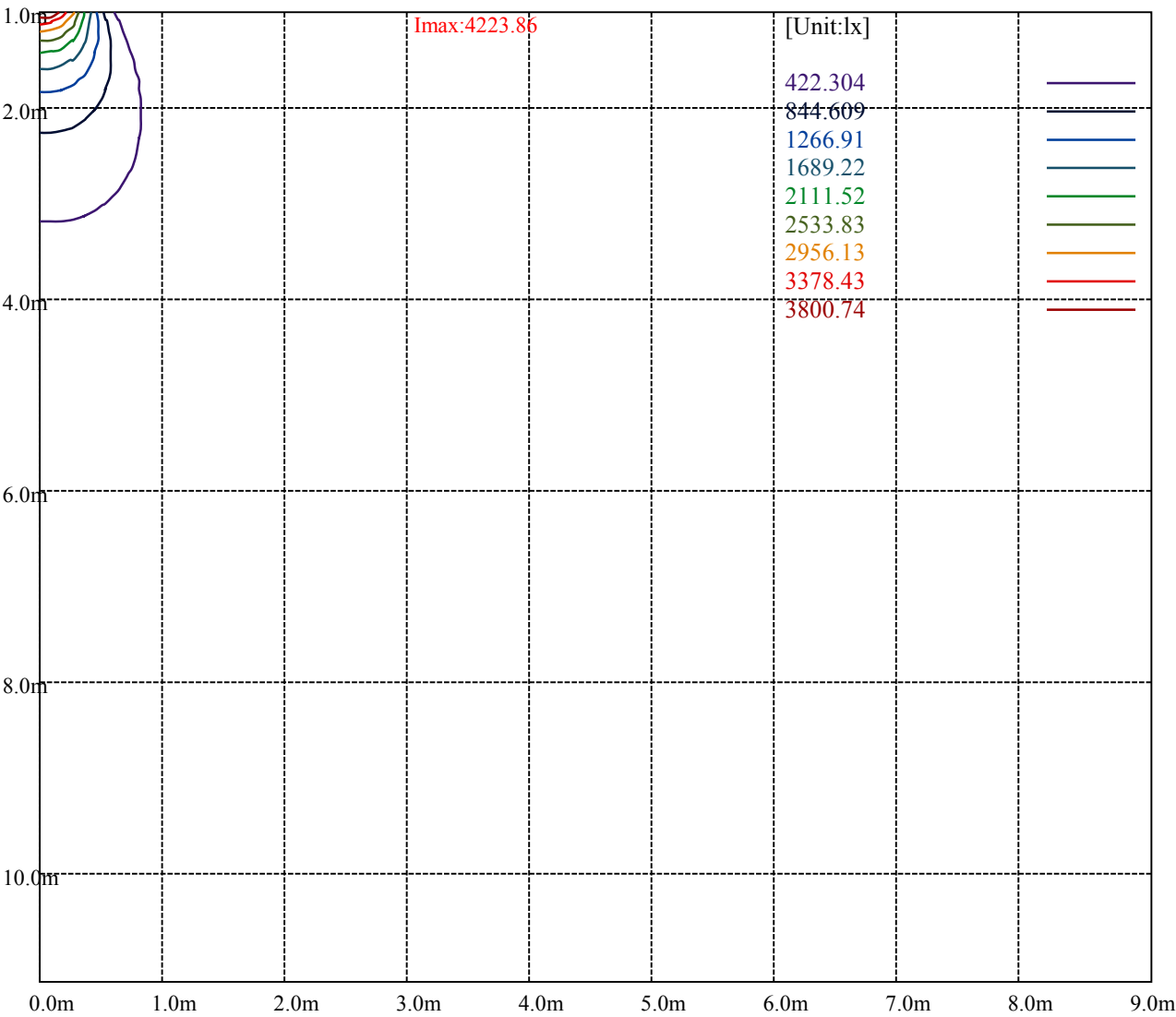


House

[Unit:cd]

Road

Imax:4223.86	
(10%Imax)	422.386
(20%Imax)	844.771
(30%Imax)	1267.16
(40%Imax)	1689.54
(50%Imax)	2111.93
(60%Imax)	2534.31
(70%Imax)	2956.7
(80%Imax)	3379.09
(90%Imax)	3801.47



Luminance Limiting Curve(no luminous side)

Luminance Table

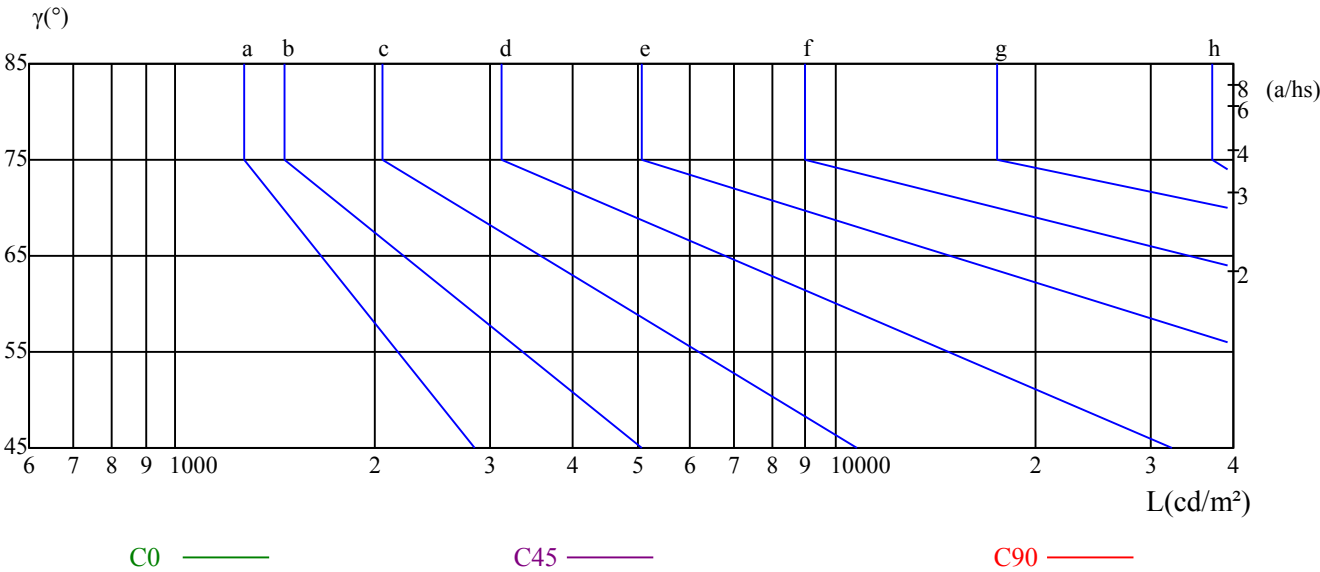
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

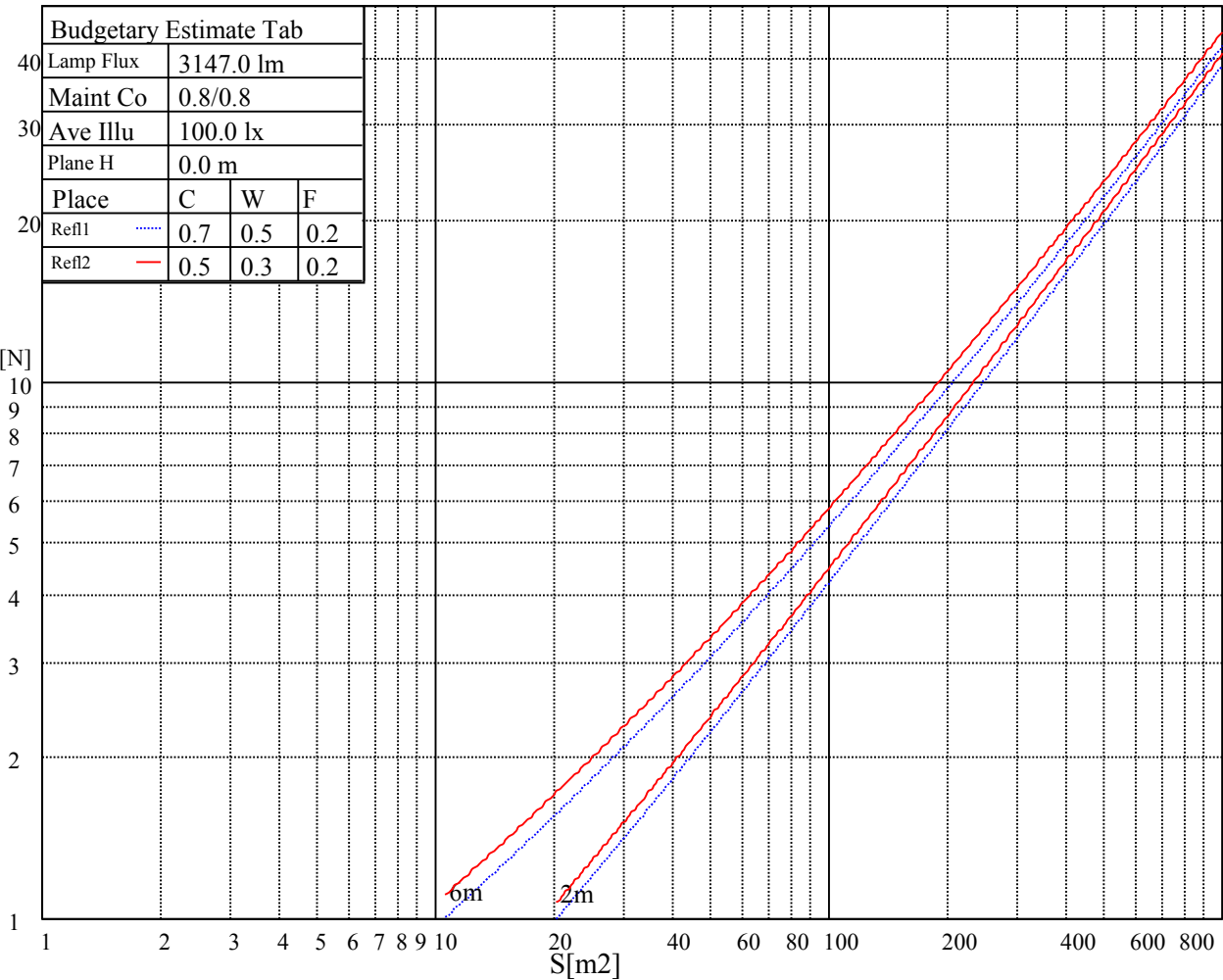
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

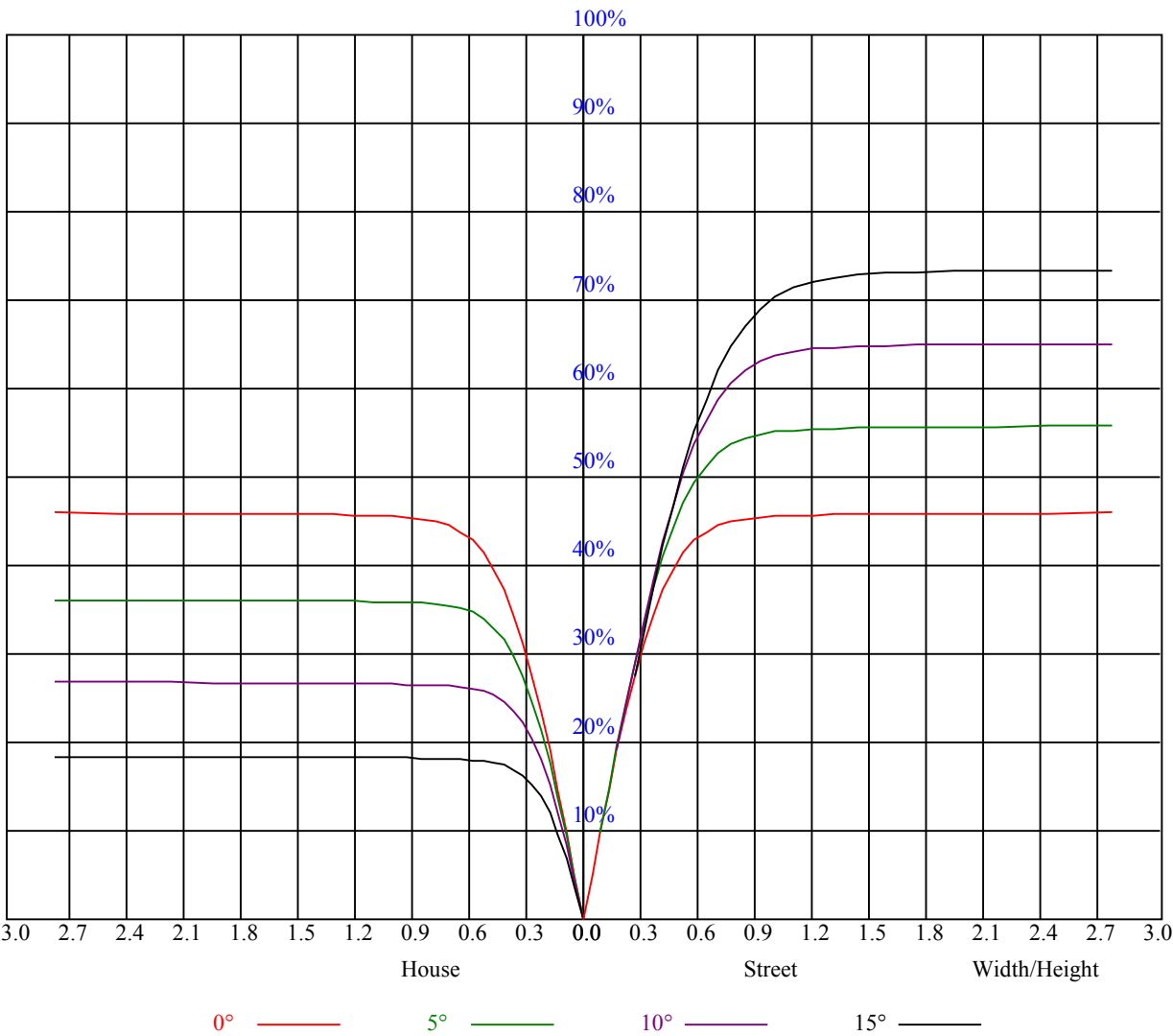


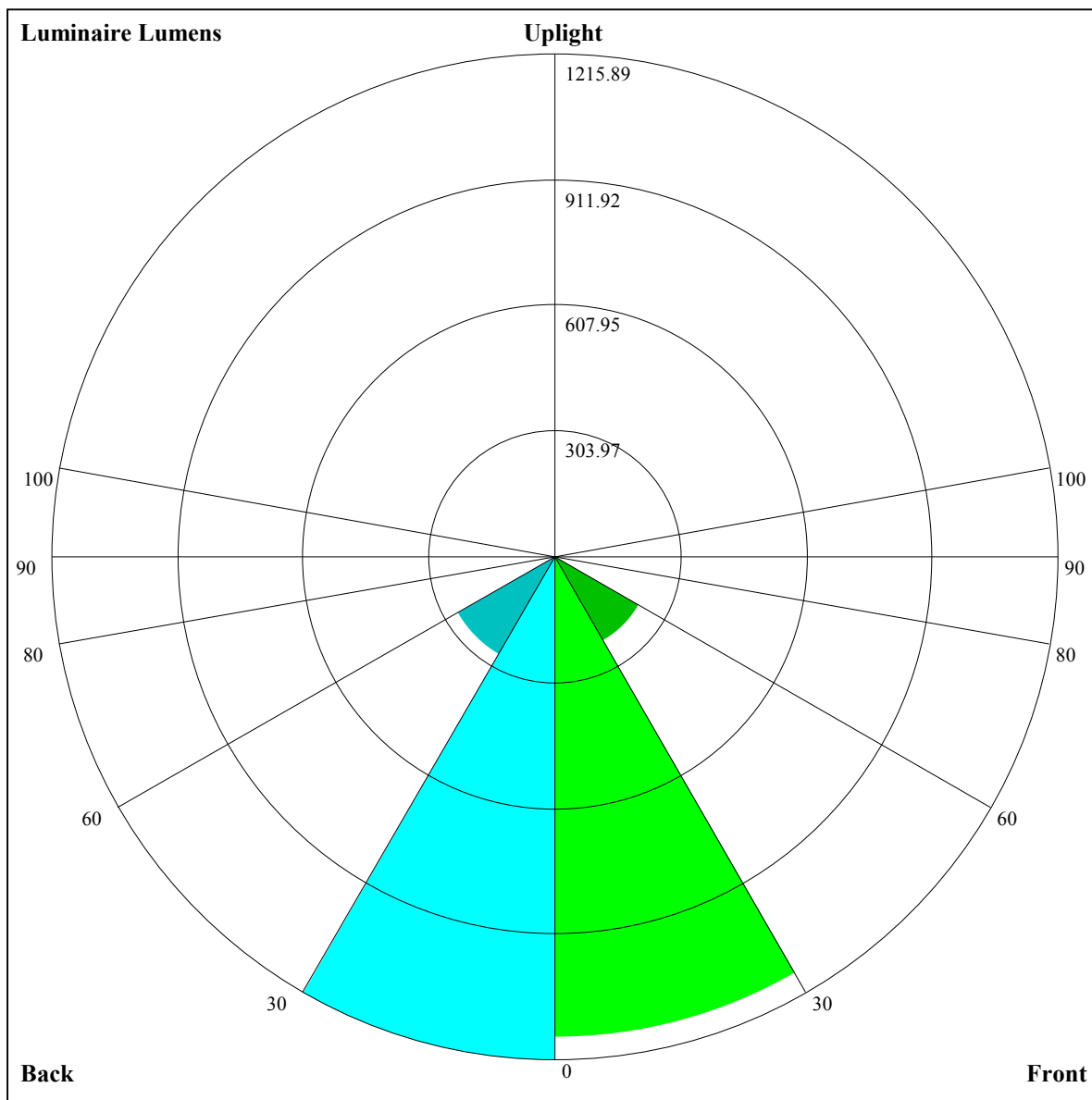
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
4H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
8H	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
12H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
Variation with the observer position at spacings:											
S = 1.0H		非数字/非数字					非数字/非数字				
S = 1.5H		非数字/非数字					非数字/非数字				
S = 2.0H		非数字/非数字					非数字/非数字				
Standard tables:		BK0					BK0				
Uncorrected UGR		负无穷大					负无穷大				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



RHOC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.10	1.10	1.10	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.02	1.00	0.98	1.00	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.96	0.93	0.90	0.94	0.91	0.89	0.91	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.82
3	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.83	0.81	0.84	0.82	0.79	0.82	0.80	0.78	0.77
4	0.85	0.80	0.77	0.84	0.80	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.72
5	0.80	0.75	0.72	0.79	0.75	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.68
6	0.76	0.71	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.71	0.68	0.66	0.64
7	0.72	0.67	0.63	0.71	0.67	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.61
8	0.68	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.58
9	0.65	0.60	0.57	0.65	0.60	0.57	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.55
10	0.62	0.57	0.54	0.62	0.57	0.54	0.61	0.56	0.54	0.60	0.56	0.53	0.59	0.56	0.53	0.52





Luminaire Lumens:

FL=1162.02,FM=235.57,FH=8.05,FVH=1.1

BL=1215.89,BM=272.05,BH=8.51,BVH=1.22

UL=0,UH=0

BUG Rating:B3-U0-G0

Intensity data(cd)

C/ γ (°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	4224.71	4205.21	4189.60	4200.16	4170.68	4137.77	4119.95	4077.06	4011.31
45.0	4223.61	4219.14	4208.52	4185.71	4158.38	4142.82	4121.06	4087.10	4041.95
90.0	4229.18	4210.20	4196.27	4185.71	4165.11	4152.28	4131.68	4104.34	4057.56
135.0	4214.67	4230.81	4236.38	4221.35	4222.45	4216.35	4219.14	4200.74	4172.88
180.0	4224.71	4232.49	4250.31	4245.89	4247.00	4250.31	4237.54	4213.57	4216.88
225.0	4223.61	4237.54	4261.45	4277.06	4273.75	4274.86	4265.39	4258.14	4228.02
270.0	4229.18	4218.56	4224.71	4241.43	4251.47	4256.46	4265.39	4242.53	4223.61
315.0	4214.67	4211.31	4223.61	4220.82	4220.24	4211.89	4190.18	4171.20	4150.02
360.0	4224.71	4205.21	4189.60	4200.16	4170.68	4137.77	4119.95	4077.06	4011.31
C/ γ (°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3950.60	3884.26	3804.05	3703.76	3602.37	3497.61	3379.51	3249.10	3165.52
45.0	3982.35	3932.20	3864.76	3783.97	3688.15	3585.66	3480.90	3347.71	3224.60
90.0	3996.27	3917.69	3836.90	3746.66	3664.18	3553.33	3465.29	3271.38	3120.95
135.0	4152.81	4083.16	4047.52	3975.67	3889.31	3797.90	3694.83	3568.36	3425.71
180.0	4199.06	4173.46	4132.20	4075.38	4001.85	3919.38	3827.44	3715.43	3588.44
225.0	4191.28	4140.56	4090.99	4007.94	3923.27	3826.34	3742.77	3610.73	3504.87
270.0	4210.20	4168.42	4119.38	4060.35	3991.23	3905.45	3812.94	3724.95	3619.61
315.0	4103.24	4041.37	4008.52	3911.02	3859.77	3746.66	3639.69	3539.40	3416.83
360.0	3950.60	3884.26	3804.05	3703.76	3602.37	3497.61	3379.51	3249.10	3165.52
C/ γ (°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3034.07	2860.77	2781.66	2630.12	2466.29	2291.88	2124.21	1953.70	1796.59
45.0	3094.20	2966.63	2825.13	2665.18	2498.03	2391.65	2151.49	1985.44	1884.63
90.0	3035.17	2882.47	2724.26	2566.57	2402.79	2237.85	2062.92	1895.77	1730.83
135.0	3289.78	3148.28	3008.41	2852.99	2693.04	2515.33	2339.24	2172.67	2001.05
180.0	3460.82	3337.72	3205.63	3055.20	2895.88	2734.83	2577.19	2414.46	2250.10
225.0	3351.65	3183.34	3075.85	2935.98	2783.34	2627.34	2461.29	2292.46	2137.03
270.0	3477.54	3329.36	3174.46	3031.81	2907.02	2771.62	2626.76	2464.60	2368.26
315.0	3282.00	3147.71	3016.19	2876.90	2729.83	2577.72	2408.89	2238.95	2079.06
360.0	3034.07	2860.77	2781.66	2630.12	2466.29	2291.88	2124.21	1953.70	1796.59
C/ γ (°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1637.22	1471.22	1050.30	1050.30	910.70	812.77	621.60	556.79	463.13
45.0	1726.36	1563.68	1394.33	1217.72	1044.42	857.77	703.44	580.87	479.48
90.0	1564.79	1306.86	1070.07	1033.69	859.55	733.88	582.45	482.05	413.30
135.0	1832.22	1663.97	1481.79	1338.61	1123.00	950.28	820.97	680.05	567.46
180.0	2119.74	1918.06	1784.86	1617.72	1438.32	1260.03	1078.95	905.13	749.12
225.0	1979.87	1812.72	1651.72	1485.68	1070.07	1070.07	966.52	802.37	707.54
270.0	2152.07	2057.35	1897.45	1663.45	1555.90	1380.92	1201.53	1024.34	850.51
315.0	1928.10	1766.52	1597.69	1418.82	1012.25	1012.25	909.23	754.17	625.81
360.0	1637.22	1471.22	1050.30	1050.30	910.70	812.77	621.60	556.79	463.13
C/ γ (°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	356.06	317.42	261.03	211.77	170.20	136.45	109.17	87.62	70.22
45.0	394.74	326.78	280.53	280.53	169.09	148.70	107.91	93.77	75.64
90.0	339.92	277.27	224.02	178.40	141.39	112.01	88.31	70.28	56.77
135.0	471.12	390.33	320.11	307.86	283.89	170.09	136.19	107.86	85.47
180.0	623.18	519.00	429.86	354.64	290.57	290.57	189.38	151.91	132.72
225.0	593.96	491.51	404.31	332.98	271.80	221.92	176.14	143.08	115.22
270.0	702.87	581.97	480.58	394.74	320.11	294.46	282.21	173.51	137.87
315.0	520.79	433.48	359.53	295.24	240.47	193.90	154.38	122.84	97.71
360.0	356.06	317.42	261.03	211.77	170.20	136.45	109.17	87.62	70.22

Intensity data(cd)

C/ γ (°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	57.29	47.88	40.95	35.58	31.43	28.02	25.18	22.76	21.60
45.0	60.55	50.14	42.89	36.79	32.22	28.54	25.70	23.23	21.18
90.0	46.73	39.42	34.06	30.12	26.96	24.28	22.02	20.29	18.66
135.0	74.85	56.14	50.30	42.47	34.85	32.43	28.80	25.91	23.50
180.0	106.07	84.89	69.12	57.19	48.30	41.21	35.95	31.75	28.38
225.0	90.14	74.43	59.97	50.04	43.10	37.69	32.80	28.91	26.39
270.0	109.01	86.26	68.86	55.40	45.78	38.53	33.38	29.38	26.23
315.0	78.06	62.39	51.14	42.84	39.00	33.90	28.49	26.65	23.97
360.0	57.29	47.88	40.95	35.58	31.43	28.02	25.18	22.76	21.60
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.08	18.13	16.87	15.24	14.72	13.67	12.88	12.19	11.51
45.0	19.34	17.82	16.56	15.40	14.40	13.93	12.83	12.04	11.67
90.0	17.82	16.08	15.45	14.45	13.30	12.93	12.09	11.46	10.88
135.0	21.45	19.71	18.13	16.82	15.72	14.61	13.67	12.88	12.14
180.0	25.55	23.23	21.29	19.55	18.03	16.77	15.61	14.56	13.61
225.0	23.86	21.29	19.76	18.19	16.87	15.66	14.61	13.67	12.88
270.0	23.65	21.45	19.66	18.08	16.82	15.66	14.61	13.77	12.93
315.0	21.76	19.87	18.24	16.82	15.66	14.61	13.67	12.93	12.19
360.0	19.08	18.13	16.87	15.24	14.72	13.67	12.88	12.19	11.51
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.83	10.30	9.78	9.25	8.73	8.36	7.88	7.41	6.89
45.0	10.72	10.41	9.83	9.41	8.88	8.41	7.94	7.57	7.10
90.0	10.41	9.83	9.36	8.88	8.46	7.94	7.57	7.15	6.73
135.0	11.46	10.78	10.25	9.78	9.25	8.73	8.41	7.83	7.52
180.0	12.88	12.09	11.51	10.67	10.25	9.72	9.04	8.67	8.20
225.0	12.14	11.41	10.72	10.20	9.62	9.15	8.62	8.09	7.73
270.0	12.25	11.77	11.20	10.35	10.09	9.51	9.04	8.62	8.20
315.0	11.51	10.83	10.25	9.78	9.30	8.88	8.36	7.94	7.57
360.0	10.83	10.30	9.78	9.25	8.73	8.36	7.88	7.41	6.89
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.57	6.15	5.68	5.20	4.89	4.57	4.10	3.68	3.26
45.0	6.68	6.25	5.89	5.52	5.10	4.73	4.21	3.84	3.42
90.0	6.25	5.89	5.52	5.20	4.68	4.47	3.99	3.42	3.21
135.0	7.04	6.68	6.20	5.83	5.41	5.05	4.63	4.15	3.78
180.0	7.78	7.36	6.83	6.47	6.04	5.62	5.20	4.78	4.36
225.0	7.25	6.78	6.41	6.10	5.57	5.41	4.94	4.36	4.10
270.0	7.67	7.36	6.94	6.52	6.04	5.73	5.31	4.94	4.52
315.0	6.99	6.68	6.25	5.94	5.47	5.05	4.73	4.26	3.84
360.0	6.57	6.15	5.68	5.20	4.89	4.57	4.10	3.68	3.26
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.89	2.52	2.21	1.89	1.68	1.42	1.16	1.00	0.68
45.0	3.00	2.63	2.21	1.94	1.58	1.42	1.21	0.95	0.79
90.0	2.63	2.37	2.10	1.84	1.52	1.31	1.16	0.89	0.89
135.0	3.36	2.94	2.47	2.10	1.84	1.52	1.31	1.10	0.89
180.0	3.94	3.47	3.10	2.68	2.26	2.05	1.73	1.42	1.21
225.0	3.78	3.26	3.00	2.52	2.26	1.94	1.68	1.37	1.21
270.0	4.10	3.73	3.26	2.94	2.52	2.21	1.89	1.68	1.42
315.0	3.42	3.05	2.73	2.31	2.00	1.73	1.42	1.21	1.05
360.0	2.89	2.52	2.21	1.89	1.68	1.42	1.16	1.00	0.68

Intensity data(cd)

Appendix Page: 20 Total:20

C/ $\gamma(^{\circ})$	90.0
0.0	0.68
45.0	0.79
90.0	0.89
135.0	0.79
180.0	0.95
225.0	1.05
270.0	1.21
315.0	0.95
360.0	0.68