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NT

Client:

LumCAT: 3-2835-L

Luminaire: 92.70.412.00

Report No: 2024322-B029

Ballast type: AC

Test No: 2024322-C029

Voltage(V): 34.760

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.577

Lamp flux(lm): 3486.0

Power (W): 20.056

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2940.06, Efficiency(%): 84.34% , Luminous Efficacy(lm/W): 146.59

Central intensity(cd): 5117.705, Maximum intensity(cd): 5138.042

Angle of maximum intensity: C=0.0 γ =4.0

Beam Angle(50%Imax): [C0/180]Total=44.8

[C90/270]Total=44.8

Field angle(10%Imax): [C0/180]Total=67.6

[C90/270]Total=67.6

Maximum s/h(1/2): C0_180=0.73 C90_270=0.73

Maximum s/h(1/4): C0_180=0.70 C90_270=0.70

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.34%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.741%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5117.705	0.000	0	0.00%	0.00%
1.0	5120.338	4.899	4.899	0.14%	0.17%
2.0	5126.849	14.708	19.606	0.42%	0.67%
3.0	5134.750	24.542	44.149	0.70%	1.50%
4.0	5138.041	34.386	78.535	0.99%	2.67%
5.0	5126.264	44.157	122.692	1.27%	4.17%
6.0	5097.441	53.728	176.42	1.54%	6.00%
7.0	5049.160	62.980	239.4	1.81%	8.14%
8.0	4985.298	71.815	311.214	2.06%	10.59%
9.0	4906.731	80.170	391.384	2.30%	13.31%
10.0	4822.971	88.050	479.434	2.53%	16.31%
11.0	4719.093	95.345	574.779	2.74%	19.55%
12.0	4603.658	101.911	676.69	2.92%	23.02%
13.0	4466.130	107.636	784.326	3.09%	26.68%
14.0	4317.044	112.424	896.749	3.23%	30.50%
15.0	4150.035	116.240	1012.989	3.33%	34.45%
16.0	3949.962	118.688	1131.677	3.40%	38.49%
17.0	3760.641	120.075	1251.752	3.44%	42.58%
18.0	3536.939	120.321	1372.073	3.45%	46.67%
19.0	3319.967	119.296	1491.369	3.42%	50.73%
20.0	3095.752	117.425	1608.795	3.37%	54.72%
21.0	2870.441	114.563	1723.358	3.29%	58.62%
22.0	2653.176	110.999	1834.357	3.18%	62.39%
23.0	2432.839	106.718	1941.075	3.06%	66.02%
24.0	2219.232	101.711	2042.786	2.92%	69.48%
25.0	2017.475	96.333	2139.12	2.76%	72.76%
26.0	1836.787	90.980	2230.1	2.61%	75.85%
27.0	1625.799	84.713	2314.813	2.43%	78.73%
28.0	1432.572	77.431	2392.245	2.22%	81.37%
29.0	1261.555	70.486	2462.73	2.02%	83.76%
30.0	1143.171	64.927	2527.658	1.86%	85.97%
31.0	960.618	58.545	2586.203	1.68%	87.96%
32.0	793.865	50.264	2636.467	1.44%	89.67%
33.0	627.785	41.882	2678.349	1.20%	91.10%
34.0	479.585	33.512	2711.862	0.96%	92.24%
35.0	339.109	25.426	2737.287	0.73%	93.10%
36.0	252.598	18.840	2756.127	0.54%	93.74%
37.0	173.358	13.892	2770.019	0.40%	94.22%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	120.352	9.804	2779.823	0.28%	94.55%
39.0	85.004	7.009	2786.832	0.20%	94.79%
40.0	77.133	5.655	2792.487	0.16%	94.98%
41.0	71.646	5.298	2797.785	0.15%	95.16%
42.0	67.352	5.050	2802.835	0.14%	95.33%
43.0	64.389	4.880	2807.715	0.14%	95.50%
44.0	61.690	4.759	2812.474	0.14%	95.66%
45.0	58.983	4.638	2817.111	0.13%	95.82%
46.0	56.379	4.512	2821.623	0.13%	95.97%
47.0	54.067	4.393	2826.016	0.13%	96.12%
48.0	51.866	4.282	2830.298	0.12%	96.27%
49.0	49.781	4.174	2834.472	0.12%	96.41%
50.0	48.120	4.082	2838.554	0.12%	96.55%
51.0	46.401	3.999	2842.553	0.11%	96.68%
52.0	44.653	3.907	2846.46	0.11%	96.82%
53.0	42.860	3.807	2850.267	0.11%	96.95%
54.0	40.936	3.693	2853.961	0.11%	97.07%
55.0	38.917	3.565	2857.525	0.10%	97.19%
56.0	37.103	3.435	2860.96	0.10%	97.31%
57.0	35.479	3.319	2864.279	0.10%	97.42%
58.0	33.994	3.213	2867.492	0.09%	97.53%
59.0	32.663	3.116	2870.608	0.09%	97.64%
60.0	31.390	3.026	2873.634	0.09%	97.74%
61.0	30.205	2.939	2876.573	0.08%	97.84%
62.0	29.291	2.867	2879.44	0.08%	97.94%
63.0	28.522	2.812	2882.252	0.08%	98.03%
64.0	27.732	2.760	2885.012	0.08%	98.13%
65.0	26.511	2.684	2887.697	0.08%	98.22%
66.0	25.121	2.576	2890.273	0.07%	98.31%
67.0	24.301	2.485	2892.758	0.07%	98.39%
68.0	23.914	2.442	2895.2	0.07%	98.47%
69.0	23.767	2.432	2897.633	0.07%	98.56%
70.0	23.665	2.436	2900.069	0.07%	98.64%
71.0	23.607	2.443	2902.512	0.07%	98.72%
72.0	23.489	2.449	2904.961	0.07%	98.81%
73.0	23.343	2.449	2907.41	0.07%	98.89%
74.0	23.168	2.445	2909.855	0.07%	98.97%
75.0	22.824	2.430	2912.285	0.07%	99.06%

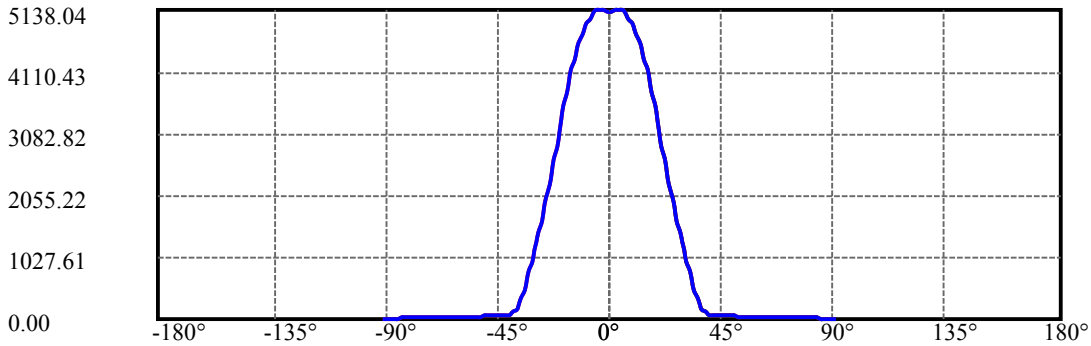
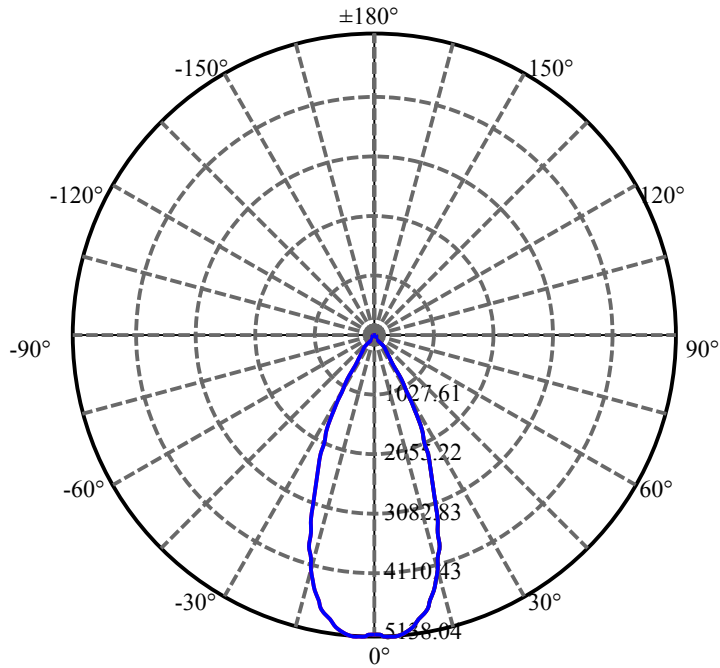
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.363	2.399	2914.684	0.07%	99.14%
77.0	21.756	2.352	2917.036	0.07%	99.22%
78.0	21.105	2.294	2919.331	0.07%	99.29%
79.0	20.373	2.229	2921.559	0.06%	99.37%
80.0	19.649	2.158	2923.717	0.06%	99.44%
81.0	18.910	2.085	2925.802	0.06%	99.52%
82.0	18.047	2.004	2927.806	0.06%	99.58%
83.0	16.847	1.897	2929.703	0.05%	99.65%
84.0	15.289	1.751	2931.454	0.05%	99.71%
85.0	13.833	1.589	2933.043	0.05%	99.76%
86.0	13.175	1.476	2934.519	0.04%	99.81%
87.0	12.831	1.423	2935.943	0.04%	99.86%
88.0	12.568	1.391	2937.334	0.04%	99.91%
89.0	12.414	1.369	2938.703	0.04%	99.95%
90.0	12.326	1.356	2940.06	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2527.66	72.51%	85.97%
0-40	2792.49	80.11%	94.98%
0-60	2873.63	82.43%	97.74%
0-90	2938.70	84.30%	99.95%
0-120	2938.70	84.30%	99.95%
0-180	2940.06	84.34%	100.00%
60-90	65.07	1.87%	2.21%
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%
0-27.48	2352.05	67.47%	80.00%

ZONAL LUMEN SUMMARY

0-10	479.43
10-20	1129.36
20-30	918.86
30-40	264.83
40-50	46.07
50-60	35.08
60-70	26.43
70-80	23.65
80-90	14.99
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: ———

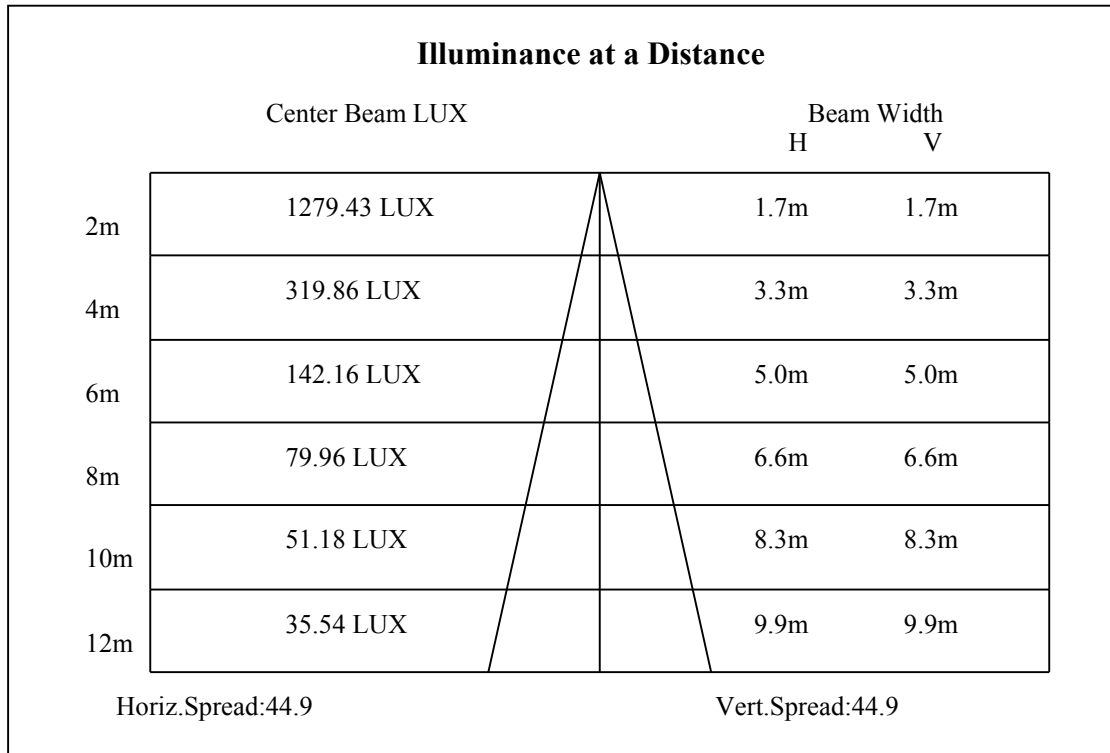
C90/C270: ———

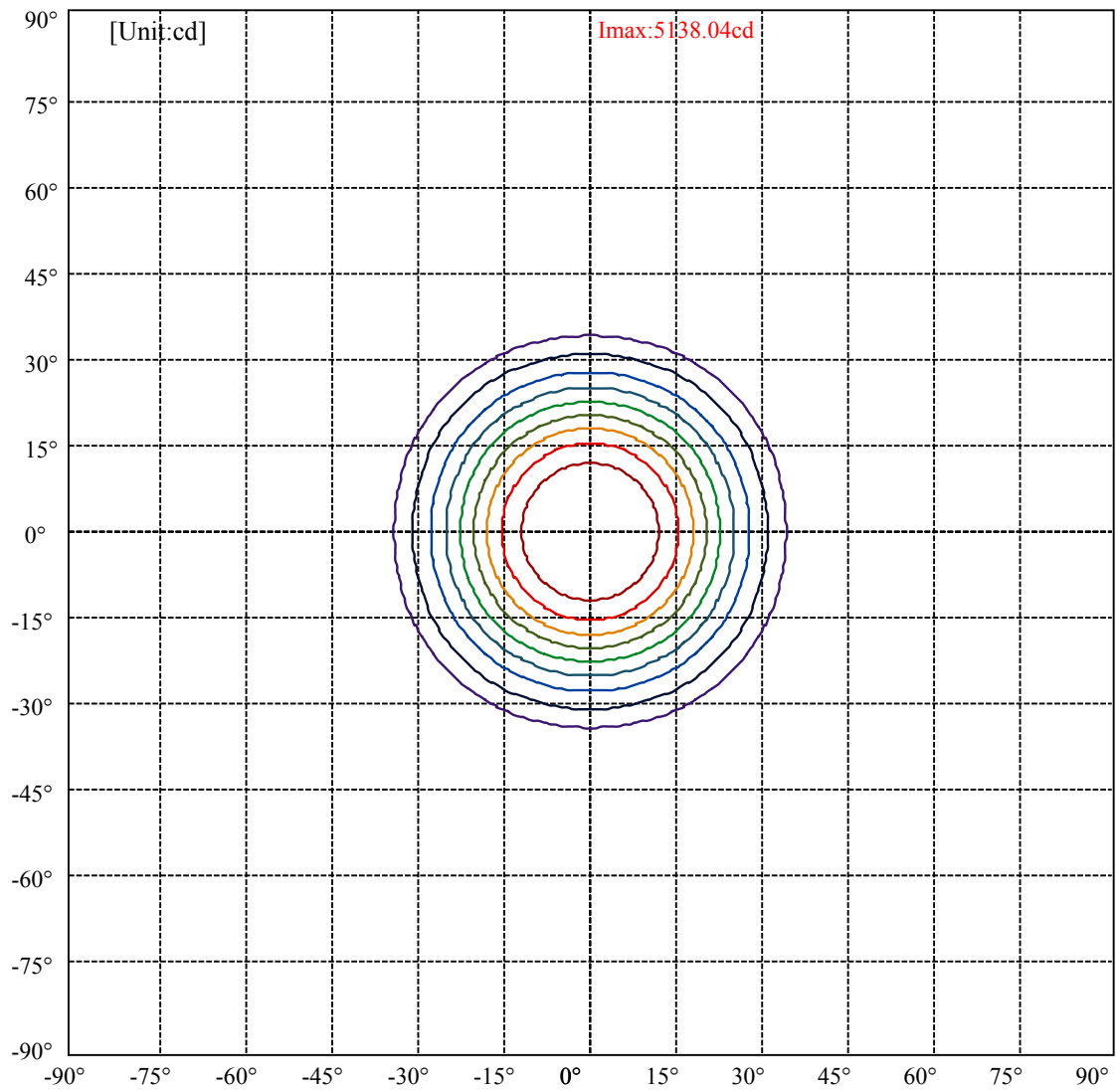
Field angle(10%Imax):C0/180Left:37.8 Right:29.8

:C90/270Left:37.8 Right:29.8

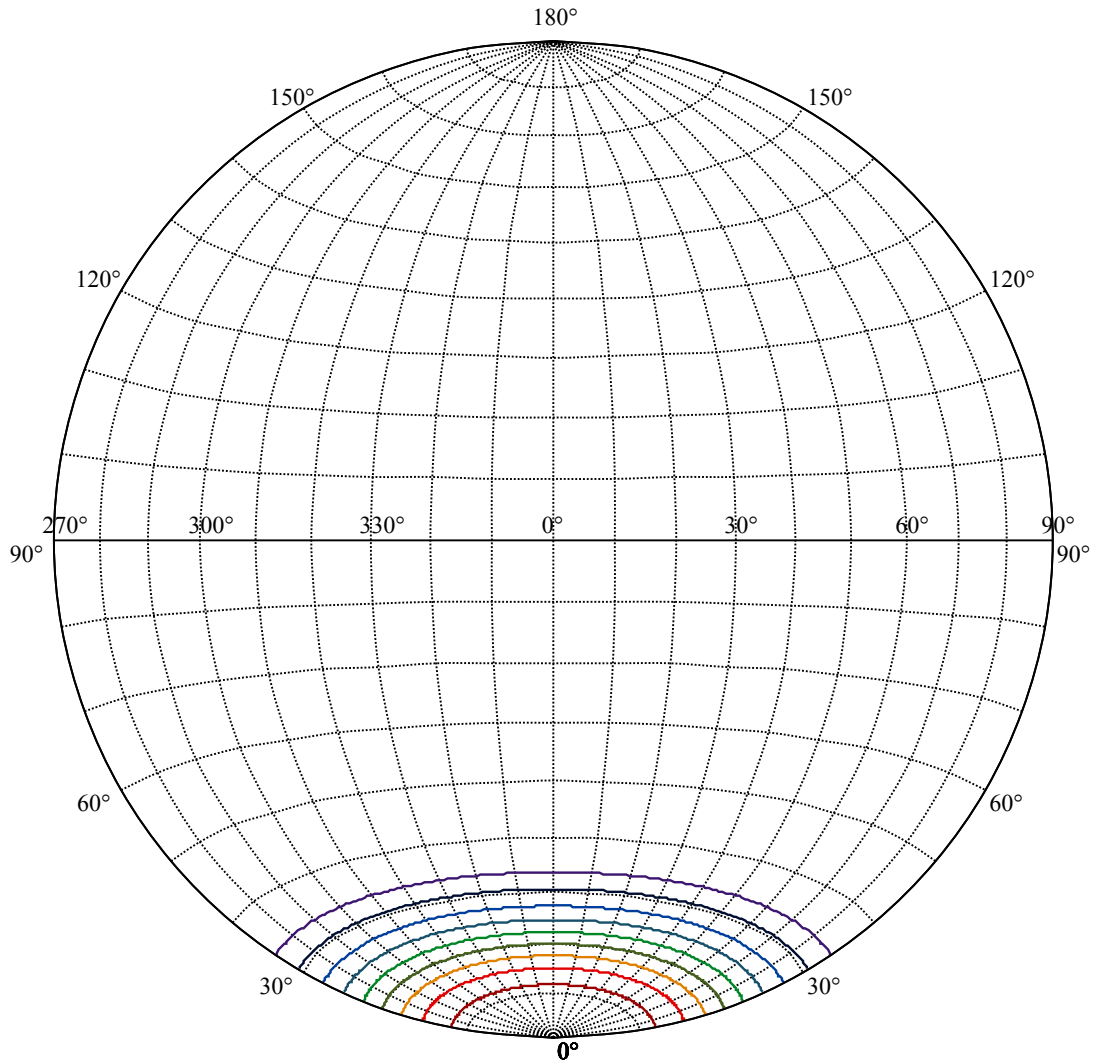
Beam Angle(50%Imax):C0/180Left:26.4 Right:18.4

:C90/270Left:26.4 Right:18.4





(10%Imax) 513.804	—
(20%Imax) 1027.61	—
(30%Imax) 1541.41	—
(40%Imax) 2055.22	—
(50%Imax) 2569.02	—
(60%Imax) 3082.82	—
(70%Imax) 3596.63	—
(80%Imax) 4110.43	—
(90%Imax) 4624.24	—



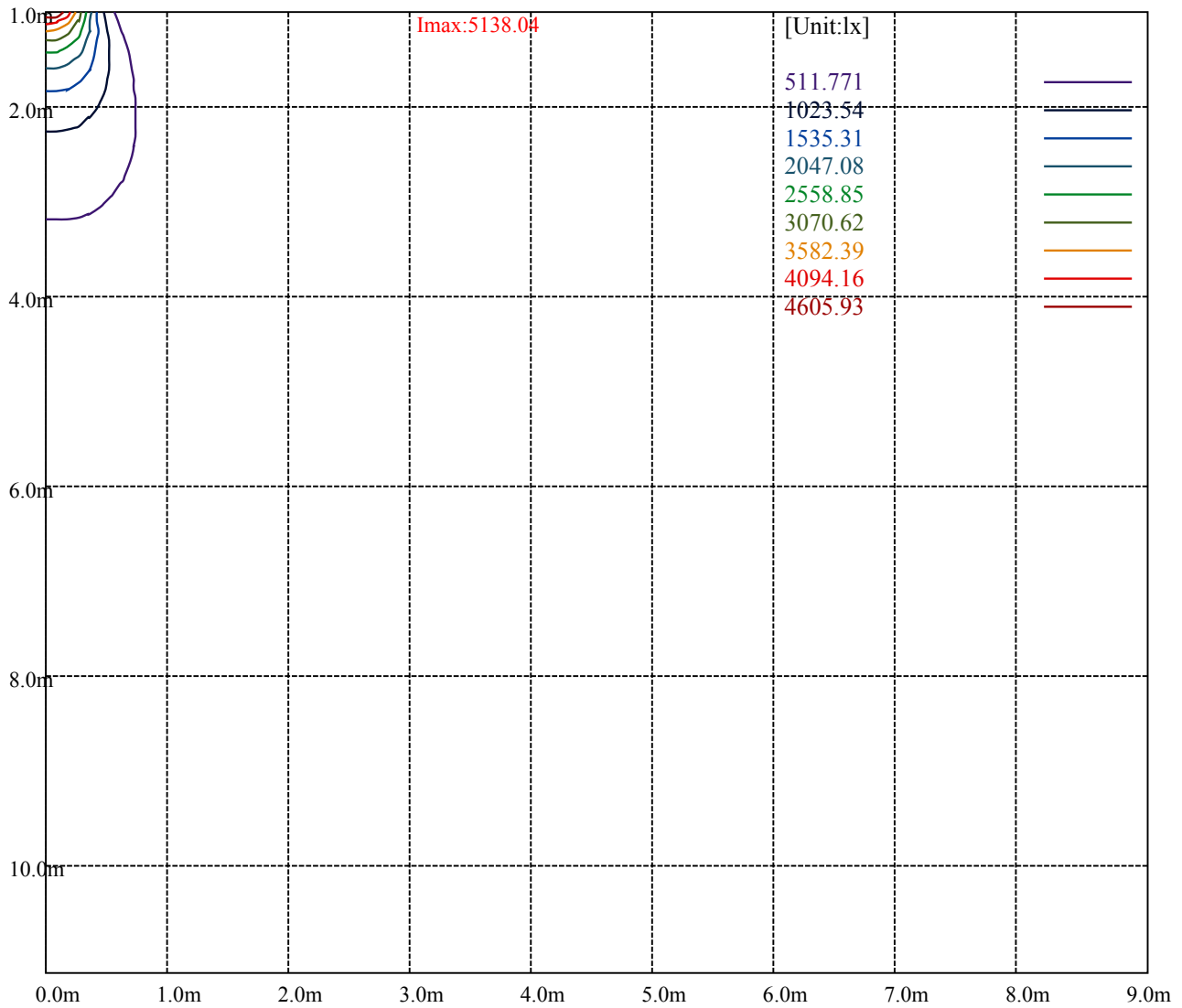
House

[Unit:cd]

Road

Imax:5138.04

(10%Imax)	513.804	—
(20%Imax)	1027.61	—
(30%Imax)	1541.41	—
(40%Imax)	2055.22	—
(50%Imax)	2569.02	—
(60%Imax)	3082.82	—
(70%Imax)	3596.63	—
(80%Imax)	4110.43	—
(90%Imax)	4624.24	—



Luminance Table

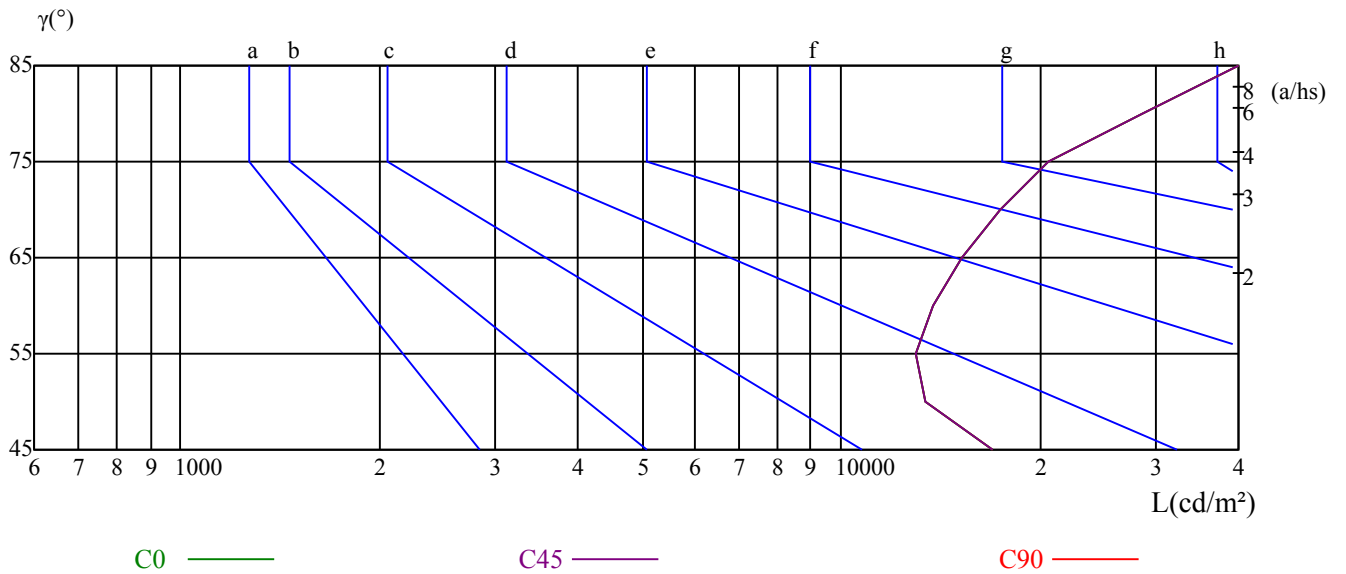
γ	45	50	55	60	65	70	75	80	85
C0	16916	13424	12973	13807	15255	17397	20571	28543	54228
C45	16916	13424	12973	13807	15255	17397	20571	28543	54228
C90	16916	13424	12973	13807	15255	17397	20571	28543	54228

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
15255	15255	15255	20571	20571	20571	54228	54228	54228

Glare Table

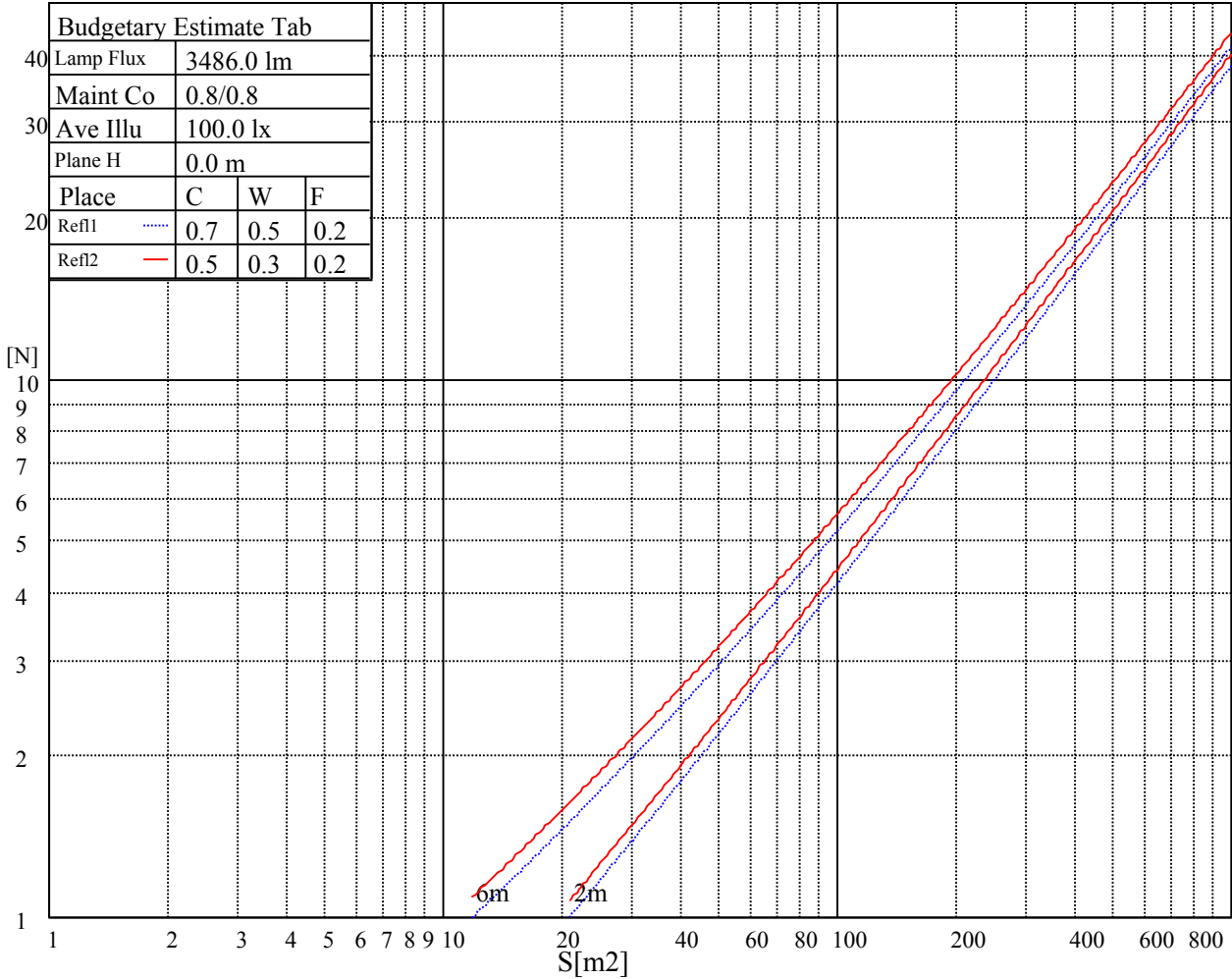
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

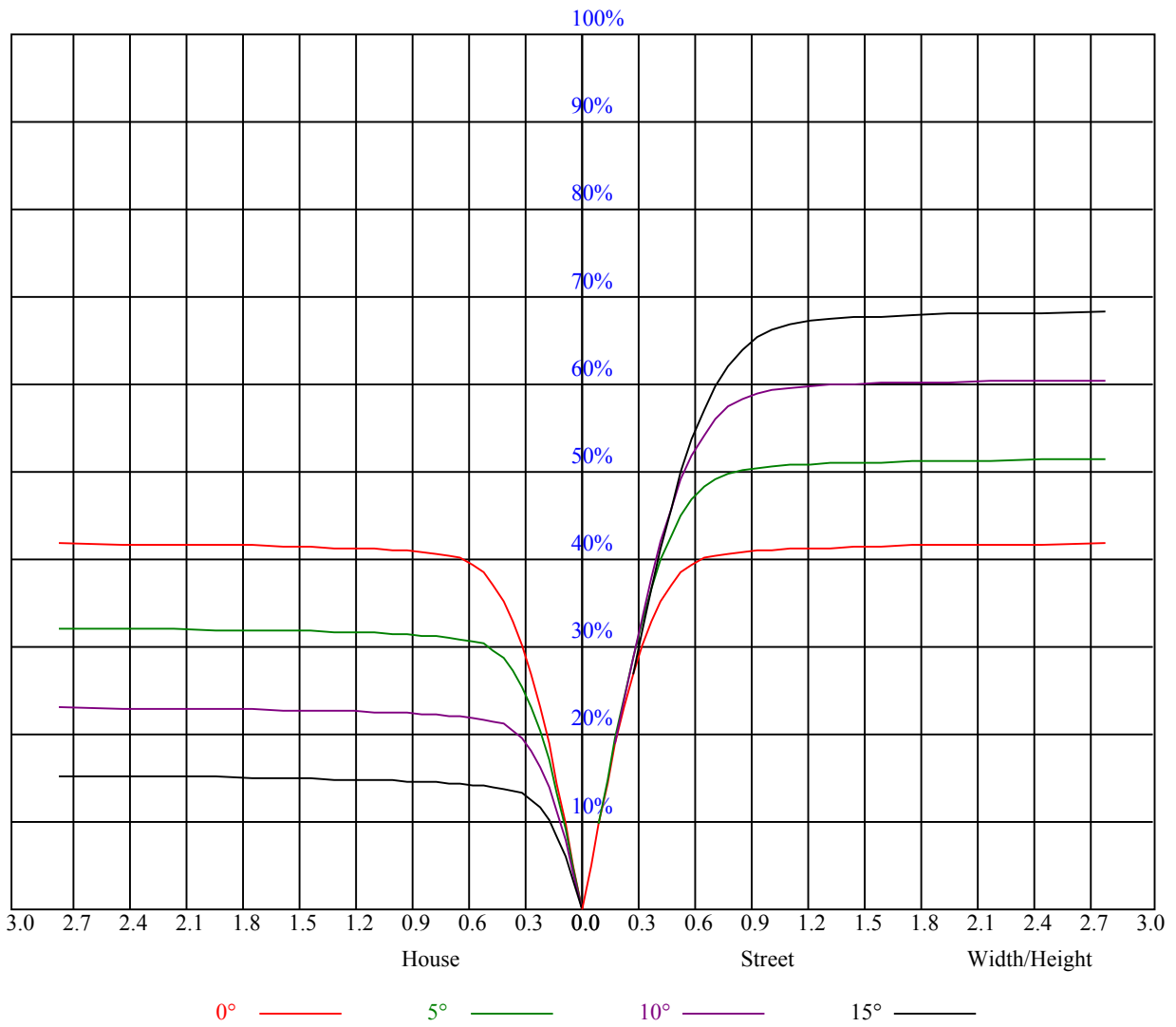


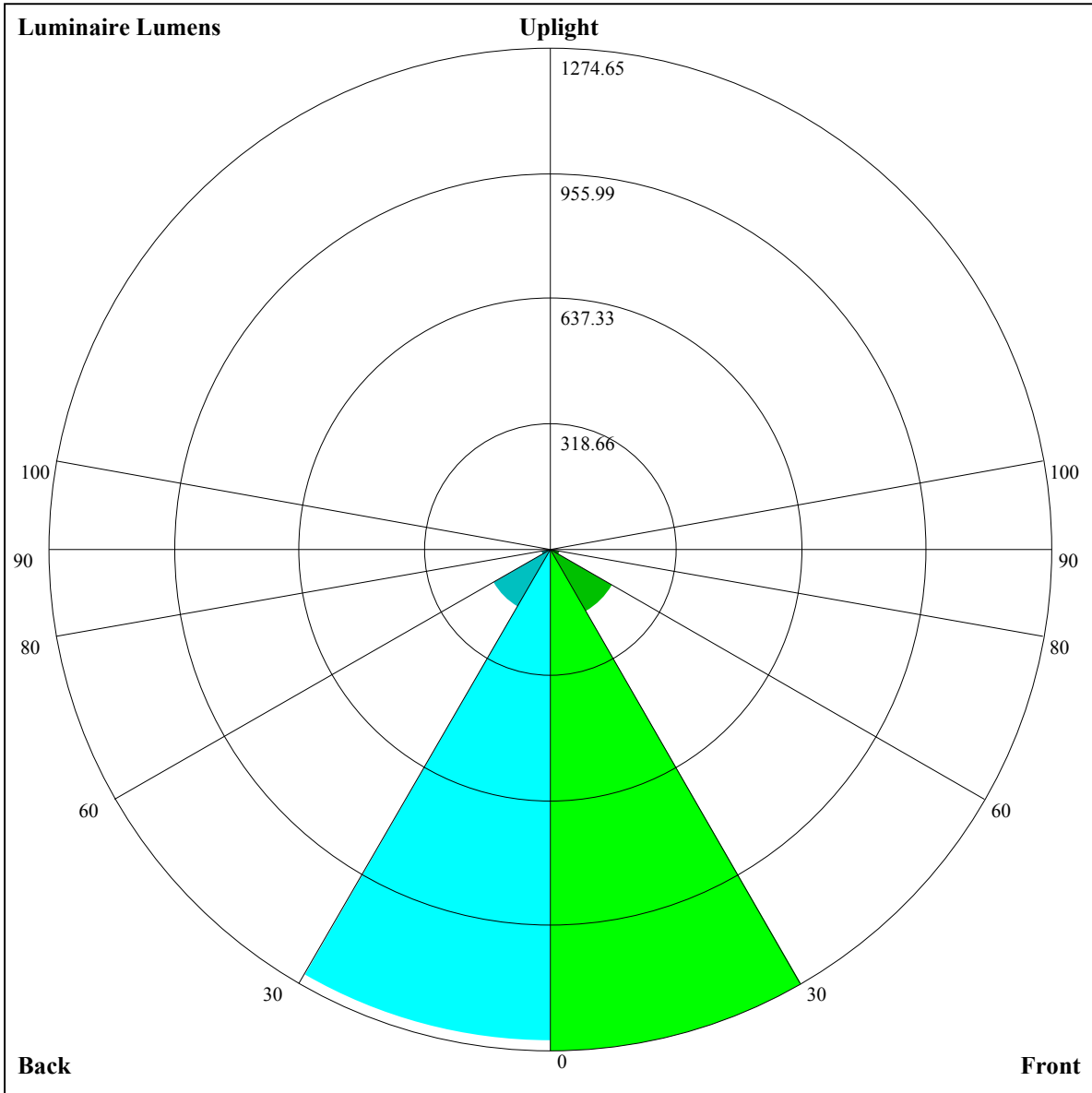
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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



RHOCC	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 RHOF=20 CU															
0	1.00	1.00	1.00	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.84
1	0.94	0.92	0.90	0.92	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.81	0.79
2	0.88	0.85	0.82	0.86	0.84	0.81	0.84	0.81	0.79	0.81	0.79	0.78	0.79	0.77	0.76	0.75
3	0.83	0.79	0.76	0.82	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.76	0.74	0.72	0.71
4	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.74	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.67	0.65	0.69	0.67	0.65	0.63
6	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.61	0.60
7	0.67	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.57
8	0.64	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.55
9	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.53	0.59	0.56	0.53	0.52
10	0.59	0.54	0.51	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.53	0.51	0.56	0.53	0.51	0.50





Luminaire Lumens:

FL=1274.65,FM=180.58,FH=25.17,FVH=8.23

BL=1251.33,BM=169.12,BH=24.96,BVH=8.11

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	5120.19	5123.70	5133.65	5144.19	5150.04	5140.09	5113.17	5069.86	5010.75
45.0	5121.95	5118.44	5114.93	5126.04	5135.41	5141.26	5140.67	5118.44	5071.03
90.0	5117.27	5114.93	5127.80	5135.41	5138.92	5131.90	5103.81	5060.50	5008.41
135.0	5111.41	5113.17	5117.85	5130.14	5140.09	5135.41	5119.02	5090.93	5032.41
180.0	5120.19	5121.95	5128.97	5135.41	5145.36	5131.90	5104.39	5060.50	4970.37
225.0	5121.95	5133.07	5137.16	5135.41	5120.78	5085.08	5034.75	4945.21	4870.30
270.0	5117.27	5119.02	5123.70	5133.65	5140.67	5126.63	5096.78	5051.14	4990.27
315.0	5111.41	5118.44	5130.73	5137.75	5133.07	5117.85	5066.94	4996.71	4928.82
360.0	5120.19	5123.70	5133.65	5144.19	5150.04	5140.09	5113.17	5069.86	5010.75
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4917.12	4841.04	4742.72	4632.11	4481.13	4342.43	4190.27	3970.22	3778.27
45.0	5014.27	4944.04	4857.43	4772.57	4670.74	4523.26	4382.22	4191.44	4017.63
90.0	4925.90	4842.80	4722.24	4607.53	4483.47	4297.37	4139.94	3966.71	3781.20
135.0	4966.86	4893.71	4811.78	4694.73	4582.96	4450.69	4259.91	4097.80	3911.70
180.0	4897.22	4814.12	4717.56	4605.19	4444.84	4299.71	4146.96	3933.36	3743.16
225.0	4784.27	4691.22	4547.84	4418.51	4272.20	4115.36	3895.32	3701.02	3498.53
270.0	4902.49	4818.80	4723.41	4585.30	4456.55	4314.34	4157.50	3943.30	3757.20
315.0	4845.72	4738.04	4629.77	4513.31	4387.16	4193.20	4028.16	3795.83	3597.44
360.0	4917.12	4841.04	4742.72	4632.11	4481.13	4342.43	4190.27	3970.22	3778.27
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3528.97	3326.48	3117.55	2857.71	2652.88	2440.45	2242.64	2057.12	1833.57
45.0	3826.26	3631.38	3381.49	3175.49	2966.56	2762.32	2498.97	2296.48	2103.94
90.0	3533.06	3328.23	3115.21	2900.43	2633.57	2422.89	2219.23	1989.24	1816.01
135.0	3669.42	3469.86	3219.38	3011.04	2810.31	2600.21	2350.32	2153.69	1965.24
180.0	3544.77	3281.42	3077.76	2823.77	2606.65	2411.77	2201.67	1981.05	1801.97
225.0	3241.03	3035.04	2824.35	2563.93	2356.17	2117.40	1933.06	1764.51	1607.67
270.0	3558.23	3342.28	3092.39	2898.09	2668.68	2429.91	2216.31	1985.73	1819.52
315.0	3393.78	3145.06	2937.89	2733.06	2530.57	2277.75	2091.65	1911.99	1746.37
360.0	3528.97	3326.48	3117.55	2857.71	2652.88	2440.45	2242.64	2057.12	1833.57
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1668.53	1511.69	1143.47	1143.47	981.31	783.09	636.14	495.16	331.47
45.0	1878.63	1708.33	1560.85	1363.05	1200.35	1006.06	842.20	692.96	547.83
90.0	1653.90	1356.02	1158.04	1158.04	962.81	808.61	649.19	497.56	329.01
135.0	1793.77	1590.11	1436.79	1276.43	1062.24	907.16	751.49	558.95	416.15
180.0	1649.81	1492.38	1278.19	1120.18	945.20	780.16	593.48	451.85	322.52
225.0	1155.18	1155.18	1076.58	907.86	713.45	568.02	425.17	299.17	175.86
270.0	1649.81	1504.67	1296.33	1120.76	961.58	794.79	606.94	460.63	329.54
315.0	1556.76	1142.18	1142.18	1055.57	858.00	703.03	517.69	380.40	260.48
360.0	1668.53	1511.69	1143.47	1143.47	981.31	783.09	636.14	495.16	331.47
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	222.03	140.63	93.99	84.33	77.19	71.98	66.83	64.02	61.68
45.0	374.60	312.57	312.57	103.99	86.38	78.71	73.33	68.82	65.08
90.0	219.75	140.28	102.77	89.07	81.87	76.02	70.34	67.24	64.37
135.0	321.93	321.93	108.09	90.42	82.05	74.97	70.17	66.83	64.32
180.0	322.52	108.09	88.19	80.35	74.32	68.53	65.19	62.79	60.45
225.0	113.07	86.91	79.36	73.56	68.00	64.84	62.56	60.34	57.47
270.0	300.28	177.67	92.99	82.28	76.08	71.16	66.36	63.79	61.27
315.0	146.60	98.79	84.86	76.02	71.16	66.95	64.02	61.27	58.87
360.0	222.03	140.63	93.99	84.33	77.19	71.98	66.83	64.02	61.68

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	59.17	56.24	53.90	51.79	49.63	48.05	46.53	44.59	42.96
45.0	62.68	59.40	57.18	54.84	52.09	50.21	48.57	47.11	45.18
90.0	60.75	58.17	55.71	52.90	50.97	49.22	47.58	45.41	43.60
135.0	60.98	58.58	56.18	53.90	51.32	49.57	47.52	46.00	44.36
180.0	58.17	55.36	53.14	51.21	49.16	47.75	45.88	44.24	42.55
225.0	55.25	53.08	51.09	48.92	47.52	46.00	44.01	42.31	40.50
270.0	58.29	55.83	53.67	51.56	49.33	47.81	46.29	44.65	42.60
315.0	56.59	54.37	51.68	49.80	48.22	46.35	44.83	42.90	41.14
360.0	59.17	56.24	53.90	51.79	49.63	48.05	46.53	44.59	42.96
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	41.26	38.98	37.16	35.64	34.29	32.71	31.60	30.37	29.44
45.0	43.54	41.79	39.97	37.75	36.17	34.76	32.95	31.66	30.49
90.0	41.67	39.27	37.51	35.93	34.24	33.01	31.72	30.20	29.32
135.0	42.19	40.32	38.51	36.75	34.88	33.53	32.25	30.96	29.73
180.0	40.67	38.27	36.64	35.17	33.88	32.36	31.19	30.14	29.14
225.0	38.10	36.40	35.00	33.30	32.13	30.90	29.90	28.85	28.27
270.0	40.73	38.80	36.64	35.23	33.53	32.30	31.19	30.14	29.26
315.0	39.33	37.51	35.41	34.06	32.83	31.72	30.31	29.32	28.68
360.0	41.26	38.98	37.16	35.64	34.29	32.71	31.60	30.37	29.44
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	28.68	27.97	26.69	25.28	24.17	23.94	23.82	23.76	23.70
45.0	29.20	28.62	28.09	26.80	25.52	24.35	24.05	23.88	23.82
90.0	28.68	27.86	26.80	25.40	24.40	24.11	23.99	23.88	23.88
135.0	29.09	28.44	27.56	26.22	24.87	24.29	24.17	23.99	24.05
180.0	28.50	27.68	26.10	24.58	23.88	23.64	23.47	23.41	23.35
225.0	27.45	26.28	24.46	23.82	23.76	23.64	23.70	23.58	23.47
270.0	28.68	27.92	26.80	24.99	24.23	23.94	23.64	23.53	23.35
315.0	27.92	27.10	25.57	23.88	23.58	23.41	23.29	23.29	23.23
360.0	28.68	27.97	26.69	25.28	24.17	23.94	23.82	23.76	23.70
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	23.64	23.53	23.41	23.17	22.77	22.24	21.71	20.89	20.19
45.0	23.82	23.76	23.64	23.58	23.29	22.88	22.24	21.71	20.89
90.0	23.70	23.58	23.41	22.94	22.47	21.77	21.13	20.48	19.78
135.0	23.99	23.94	23.76	23.58	23.06	22.53	21.83	21.19	20.54
180.0	23.17	23.06	23.00	22.59	22.12	21.48	20.83	19.96	19.37
225.0	23.29	22.94	22.53	22.00	21.36	20.54	19.84	19.02	18.26
270.0	23.17	23.00	22.88	22.47	22.06	21.54	20.89	19.96	19.20
315.0	23.12	22.94	22.71	22.24	21.77	21.07	20.37	19.78	18.96
360.0	23.64	23.53	23.41	23.17	22.77	22.24	21.71	20.89	20.19
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	19.43	18.43	17.15	15.39	13.81	13.17	12.87	12.70	12.41
45.0	20.13	19.14	18.08	17.09	15.33	13.93	13.17	12.93	12.70
90.0	18.84	17.85	16.91	14.98	13.87	13.23	12.99	12.64	12.41
135.0	19.78	19.08	17.73	16.09	14.10	13.23	12.99	12.70	12.47
180.0	18.84	18.14	17.09	15.45	13.40	12.99	12.70	12.41	12.29
225.0	17.44	16.80	15.10	13.99	13.11	12.76	12.52	12.29	12.35
270.0	18.43	17.50	16.80	15.10	13.81	13.11	12.76	12.47	12.35
315.0	18.38	17.44	15.92	14.22	13.23	12.99	12.64	12.41	12.35
360.0	19.43	18.43	17.15	15.39	13.81	13.17	12.87	12.70	12.41

Intensity data(cd)

C/ γ ($^{\circ}$)	90.0
0.0	12.29
45.0	12.41
90.0	12.29
135.0	12.35
180.0	12.29
225.0	12.35
270.0	12.35
315.0	12.29
360.0	12.29