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NT

Client: NT

LumCAT: 62-0074

Luminaire: 92.70.429.00

Report No: 2024625-B023

Ballast type: AC

Test No: 2024625-C023

Voltage(V): 35.150

LampCAT: CREE CXA1820 LES12

Current(A): 0.544

Lamp flux(lm): 3011.1

Power (W): 19.121

Number of Lamps: 1

PF: 0.000

Length(mm): 68

Width(mm): 68

Phm Type: C

Height(mm): 34

Photometric Results

Lumens(lm): 2851.64, Efficiency(%): 94.70% , Luminous Efficacy(lm/W): 149.14

Central intensity(cd): 3053.909, Maximum intensity(cd): 3084.706

Angle of maximum intensity: C=0.0 γ =8.0

Beam Angle(50%Imax): [C0/180]Total=58.8

[C90/270]Total=58.8

Field angle(10%Imax): [C0/180]Total=74.0

[C90/270]Total=74.0

Maximum s/h(1/2): C0_180=1.01 C90_270=1.01

Maximum s/h(1/4): C0_180=0.86 C90_270=0.86

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 94.70%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 95.545%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/6/25
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	3053.909	0.000	0	0.00%	0.00%
1.0	3054.055	2.923	2.923	0.10%	0.10%
2.0	3057.640	8.772	11.695	0.29%	0.41%
3.0	3060.273	14.632	26.327	0.49%	0.92%
4.0	3066.052	20.507	46.833	0.68%	1.64%
5.0	3073.294	26.411	73.245	0.88%	2.57%
6.0	3078.561	32.330	105.574	1.07%	3.70%
7.0	3081.780	38.237	143.811	1.27%	5.04%
8.0	3084.706	44.132	187.944	1.47%	6.59%
9.0	3080.244	49.964	237.907	1.66%	8.34%
10.0	3078.708	55.736	293.644	1.85%	10.30%
11.0	3071.466	61.453	355.096	2.04%	12.45%
12.0	3065.540	67.086	422.183	2.23%	14.80%
13.0	3058.079	72.672	494.855	2.41%	17.35%
14.0	3053.836	78.232	573.087	2.60%	20.10%
15.0	3046.447	83.747	656.834	2.78%	23.03%
16.0	3025.599	88.972	745.806	2.95%	26.15%
17.0	2997.288	93.793	839.599	3.11%	29.44%
18.0	2958.078	98.191	937.79	3.26%	32.89%
19.0	2911.992	102.127	1039.917	3.39%	36.47%
20.0	2862.613	105.691	1145.609	3.51%	40.17%
21.0	2804.384	108.818	1254.426	3.61%	43.99%
22.0	2734.595	111.308	1365.735	3.70%	47.89%
23.0	2652.225	113.030	1478.765	3.75%	51.86%
24.0	2544.105	113.610	1592.375	3.77%	55.84%
25.0	2424.207	112.969	1705.344	3.75%	59.80%
26.0	2283.021	111.115	1816.458	3.69%	63.70%
27.0	2116.086	107.625	1924.083	3.57%	67.47%
28.0	1927.863	102.384	2026.468	3.40%	71.06%
29.0	1644.651	93.467	2119.935	3.10%	74.34%
30.0	1386.113	81.830	2201.765	2.72%	77.21%
31.0	1266.661	73.823	2275.587	2.45%	79.80%
32.0	1060.186	66.661	2342.249	2.21%	82.14%
33.0	857.128	56.485	2398.734	1.88%	84.12%
34.0	687.800	46.754	2445.488	1.55%	85.76%
35.0	524.442	37.648	2483.136	1.25%	87.08%
36.0	407.339	29.668	2512.804	0.99%	88.12%
37.0	305.129	23.237	2536.04	0.77%	88.93%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	251.654	18.585	2554.625	0.62%	89.58%
39.0	222.415	16.181	2570.806	0.54%	90.15%
40.0	149.423	12.968	2583.775	0.43%	90.61%
41.0	131.251	9.995	2593.769	0.33%	90.96%
42.0	120.498	9.146	2602.916	0.30%	91.28%
43.0	112.151	8.618	2611.534	0.29%	91.58%
44.0	105.545	8.216	2619.75	0.27%	91.87%
45.0	99.737	7.889	2627.639	0.26%	92.14%
46.0	95.165	7.622	2635.262	0.25%	92.41%
47.0	90.812	7.397	2642.658	0.25%	92.67%
48.0	87.089	7.192	2649.85	0.24%	92.92%
49.0	83.395	7.001	2656.851	0.23%	93.17%
50.0	80.322	6.826	2663.677	0.23%	93.41%
51.0	77.374	6.672	2670.349	0.22%	93.64%
52.0	74.638	6.523	2676.872	0.22%	93.87%
53.0	72.312	6.392	2683.264	0.21%	94.10%
54.0	70.147	6.279	2689.543	0.21%	94.32%
55.0	67.850	6.160	2695.703	0.20%	94.53%
56.0	65.618	6.031	2701.734	0.20%	94.74%
57.0	63.380	5.898	2707.632	0.20%	94.95%
58.0	61.397	5.770	2713.402	0.19%	95.15%
59.0	59.495	5.652	2719.054	0.19%	95.35%
60.0	57.857	5.544	2724.598	0.18%	95.54%
61.0	56.452	5.455	2730.053	0.18%	95.74%
62.0	54.975	5.369	2735.423	0.18%	95.92%
63.0	53.497	5.276	2740.698	0.18%	96.11%
64.0	52.187	5.186	2745.884	0.17%	96.29%
65.0	50.841	5.099	2750.983	0.17%	96.47%
66.0	49.576	5.010	2755.993	0.17%	96.65%
67.0	48.383	4.926	2760.919	0.16%	96.82%
68.0	47.147	4.839	2765.758	0.16%	96.99%
69.0	45.984	4.751	2770.509	0.16%	97.15%
70.0	44.872	4.666	2775.175	0.15%	97.32%
71.0	43.650	4.575	2779.751	0.15%	97.48%
72.0	42.451	4.477	2784.228	0.15%	97.64%
73.0	41.397	4.385	2788.612	0.15%	97.79%
74.0	40.490	4.305	2792.917	0.14%	97.94%
75.0	39.539	4.228	2797.146	0.14%	98.09%

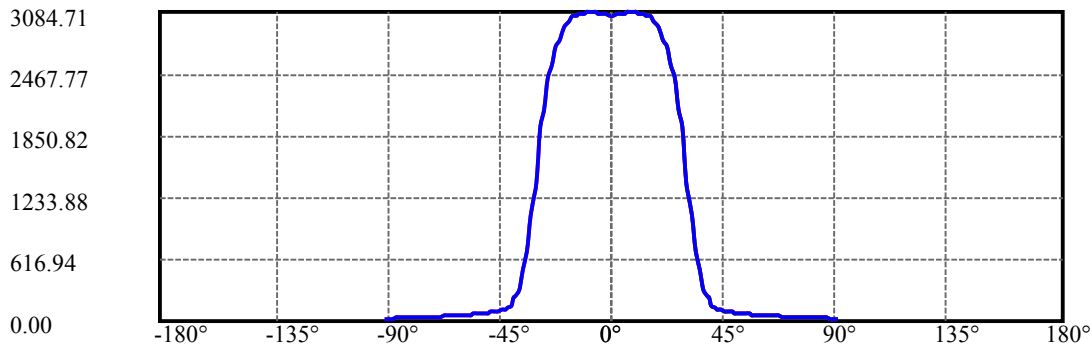
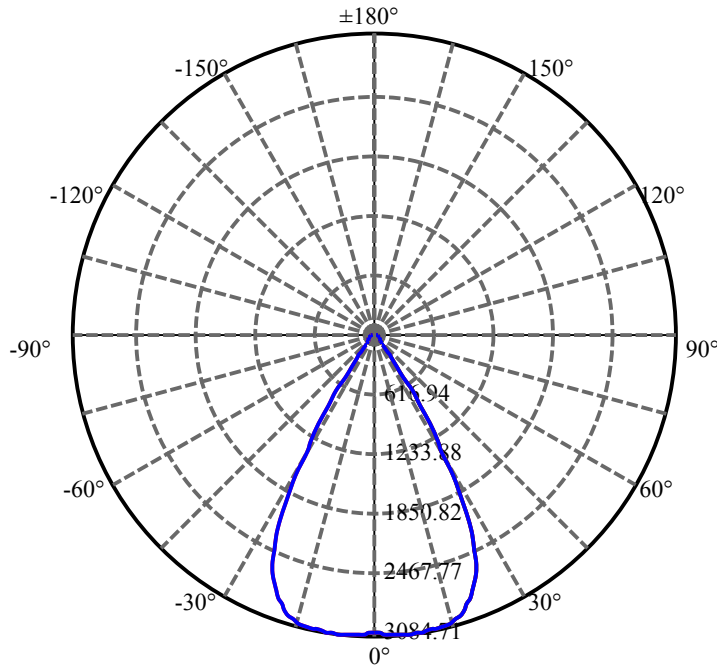
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	38.691	4.153	2801.298	0.14%	98.23%
77.0	38.018	4.090	2805.388	0.14%	98.38%
78.0	37.454	4.040	2809.428	0.13%	98.52%
79.0	37.096	4.006	2813.434	0.13%	98.66%
80.0	37.118	4.001	2817.435	0.13%	98.80%
81.0	37.352	4.027	2821.462	0.13%	98.94%
82.0	37.564	4.063	2825.525	0.13%	99.08%
83.0	36.372	4.019	2829.544	0.13%	99.23%
84.0	34.170	3.843	2833.387	0.13%	99.36%
85.0	31.449	3.581	2836.968	0.12%	99.49%
86.0	28.998	3.304	2840.272	0.11%	99.60%
87.0	27.081	3.069	2843.341	0.10%	99.71%
88.0	25.611	2.886	2846.228	0.10%	99.81%
89.0	24.506	2.747	2848.975	0.09%	99.91%
90.0	24.119	2.666	2851.641	0.09%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2201.76	73.12%	77.21%
0-40	2583.77	85.81%	90.61%
0-60	2724.60	90.48%	95.54%
0-90	2848.97	94.62%	99.91%
0-120	2848.97	94.62%	99.91%
0-180	2851.64	94.70%	100.00%
60-90	124.38	4.13%	4.36%
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%
0-31.09	2281.31	75.76%	80.00%

ZONAL LUMEN SUMMARY

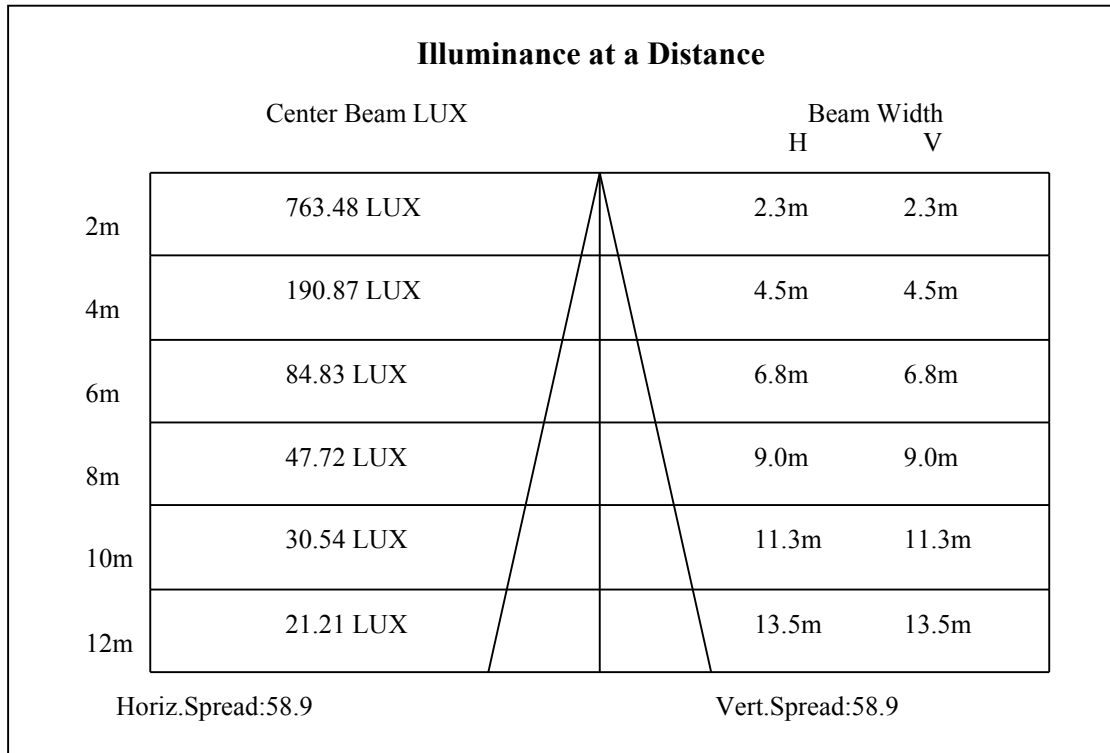
0-10	293.64
10-20	851.97
20-30	1056.16
30-40	382.01
40-50	79.90
50-60	60.92
60-70	50.58
70-80	42.26
80-90	31.54
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

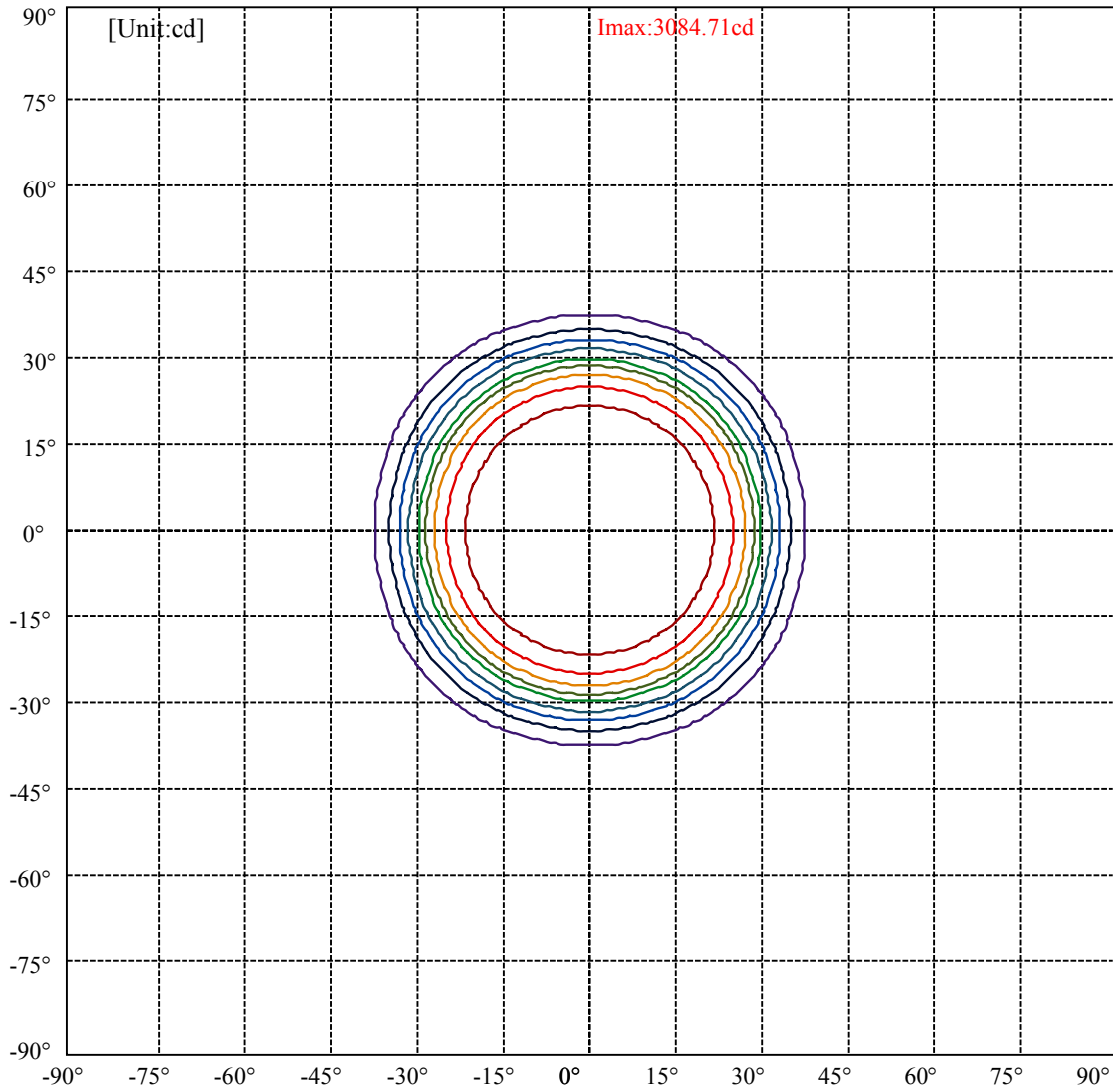


C0(Max): —————
C0/C180: —————
C90/C270: —————

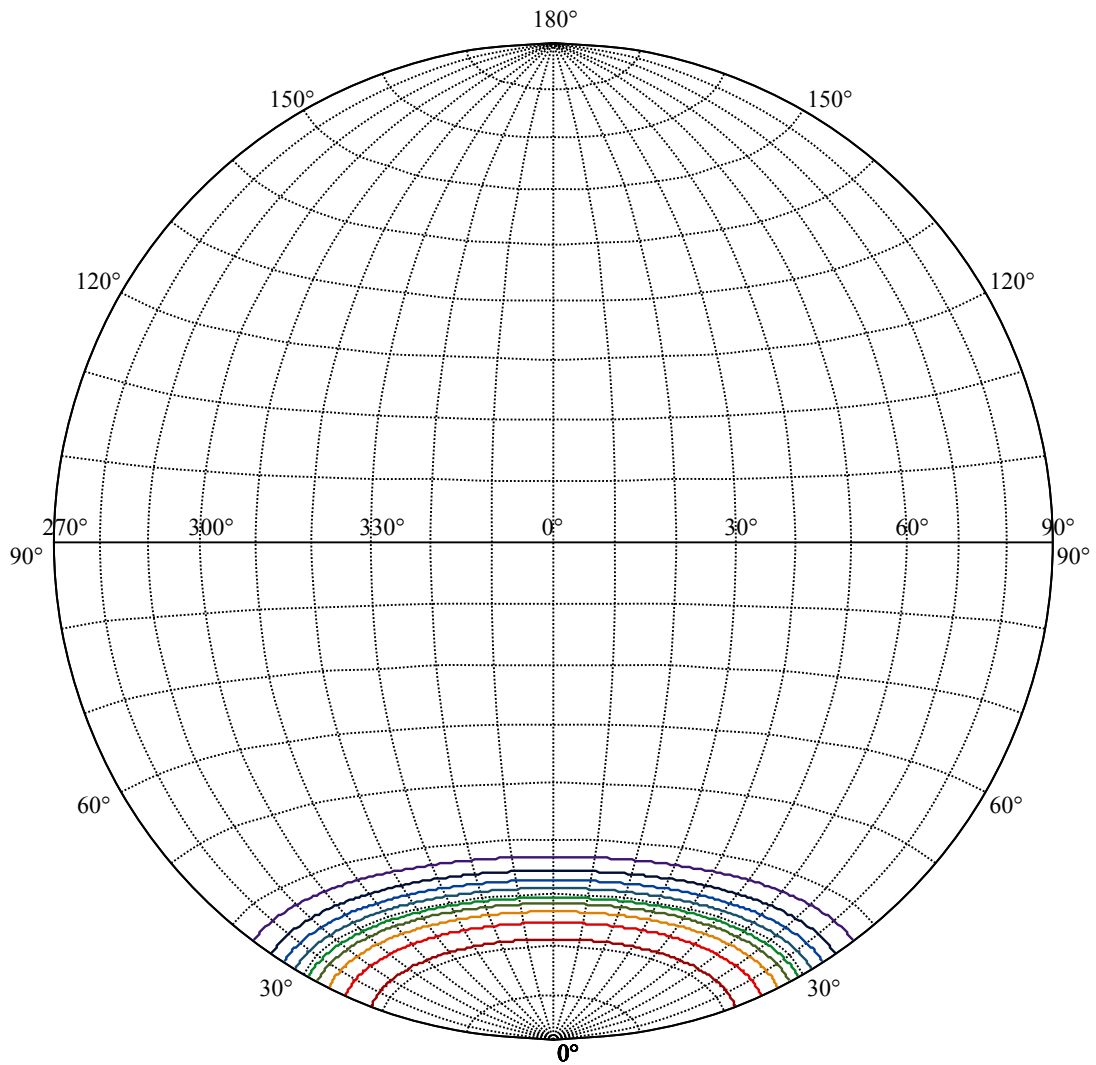
Field angle(10%Imax):C0/180Left:45.0 Right:29.0
:C90/270Left:45.0 Right:29.0

Beam Angle(50%Imax):C0/180Left:37.4 Right:21.4
:C90/270Left:37.4 Right:21.4





(10%Imax) 308.471	—
(20%Imax) 616.941	—
(30%Imax) 925.412	—
(40%Imax) 1233.88	—
(50%Imax) 1542.35	—
(60%Imax) 1850.82	—
(70%Imax) 2159.29	—
(80%Imax) 2467.77	—
(90%Imax) 2776.24	—



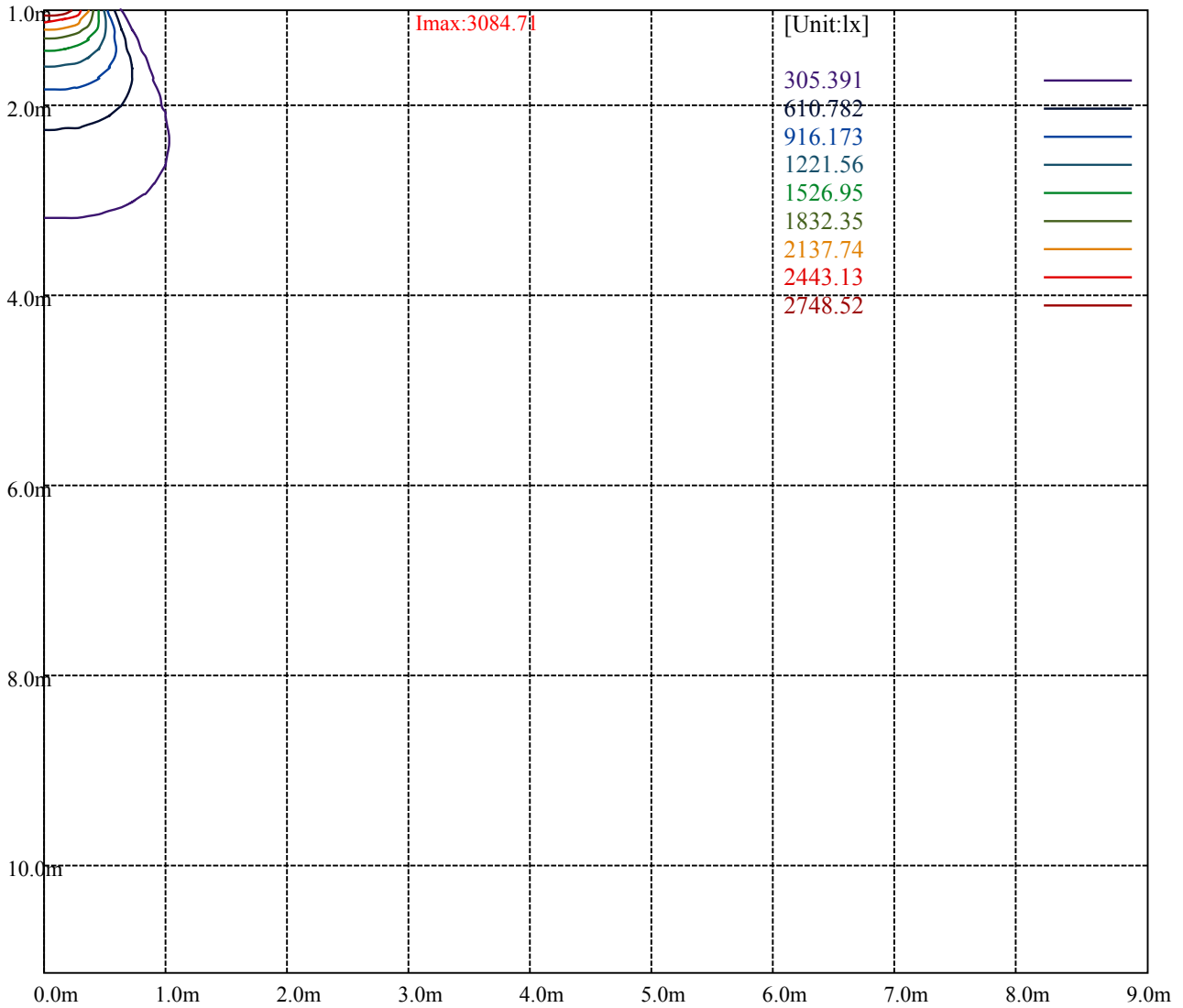
House

[Unit:cd]

Road

Imax:3084.71

(10%Imax)	308.471	—
(20%Imax)	616.941	—
(30%Imax)	925.412	—
(40%Imax)	1233.88	—
(50%Imax)	1542.35	—
(60%Imax)	1850.82	—
(70%Imax)	2159.29	—
(80%Imax)	2467.77	—
(90%Imax)	2776.24	—



Luminance Table

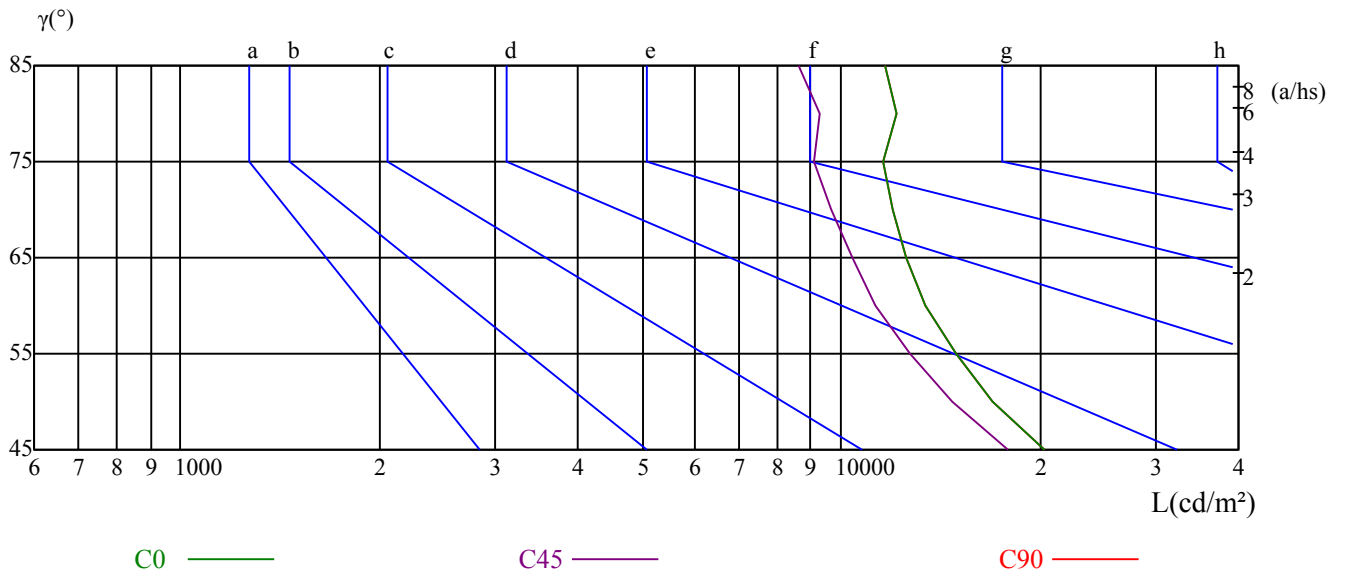
γ	45	50	55	60	65	70	75	80	85
C0	20376	16971	14961	13447	12593	11994	11572	12105	11679
C45	17912	14705	12766	11285	10376	9679	9118	9270	8637
C90	20376	16971	14961	13447	12593	11994	11572	12105	11679

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
26017	26017	26017	33038	33038	33038	78034	78034	78034

Glare Table

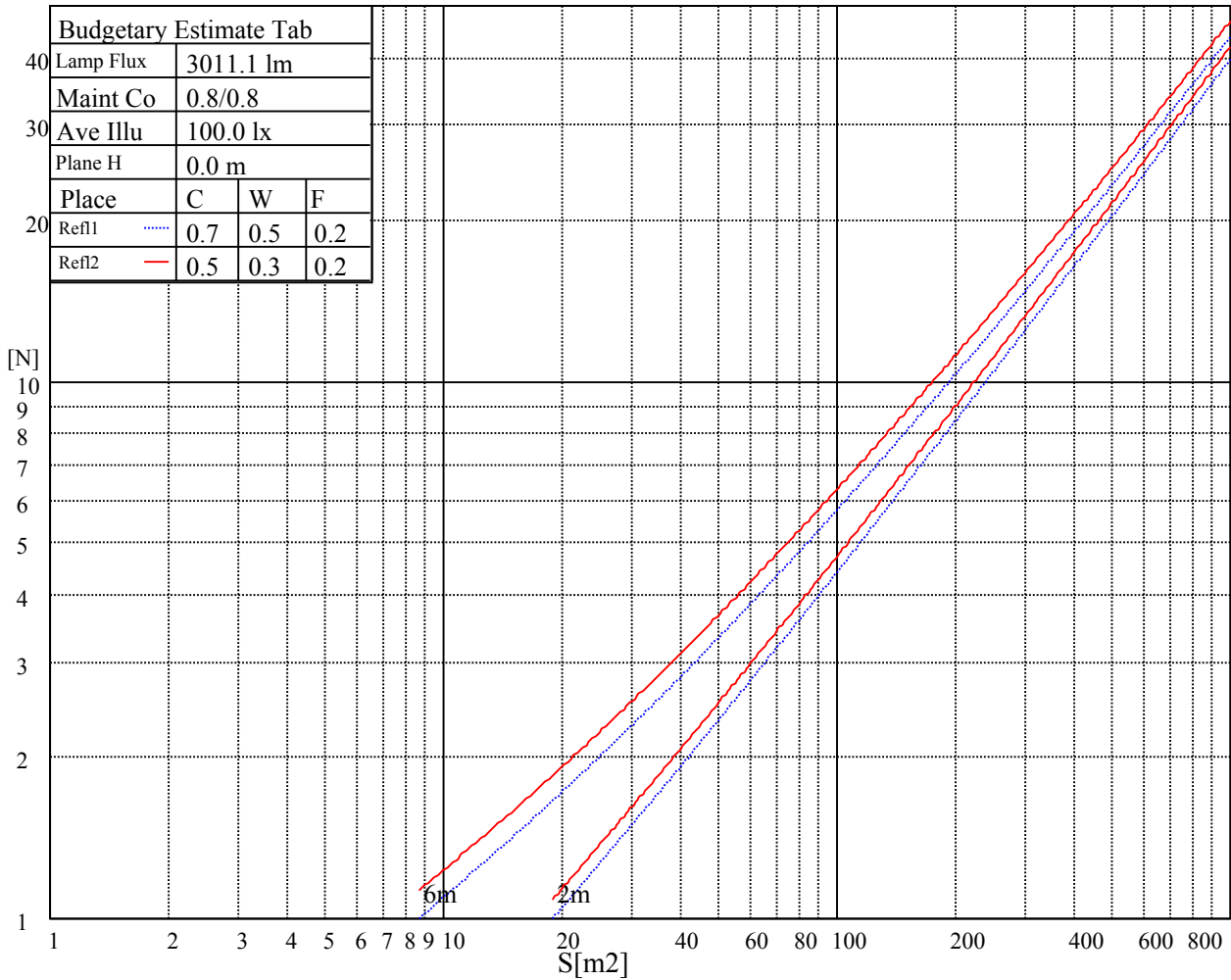
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

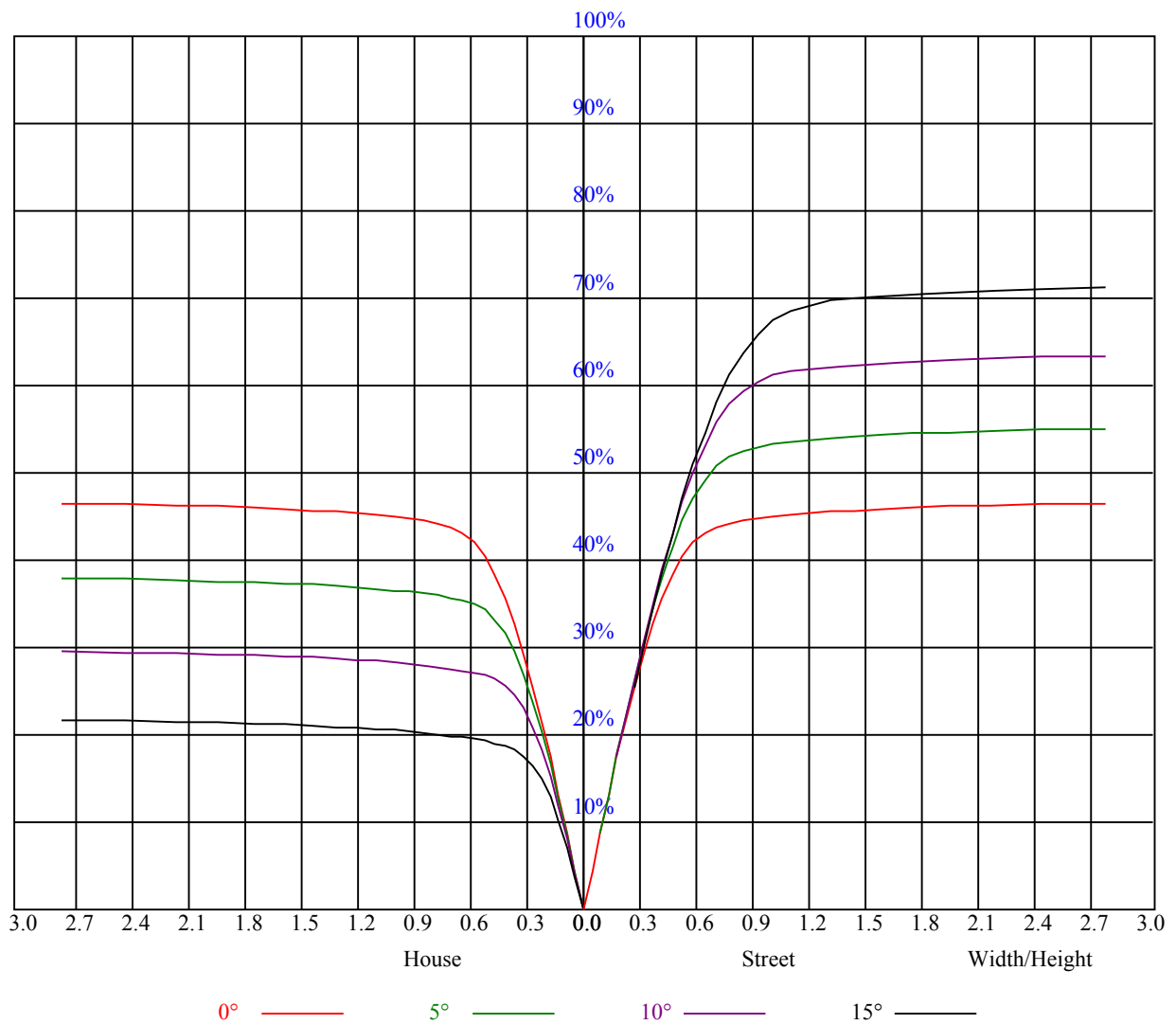


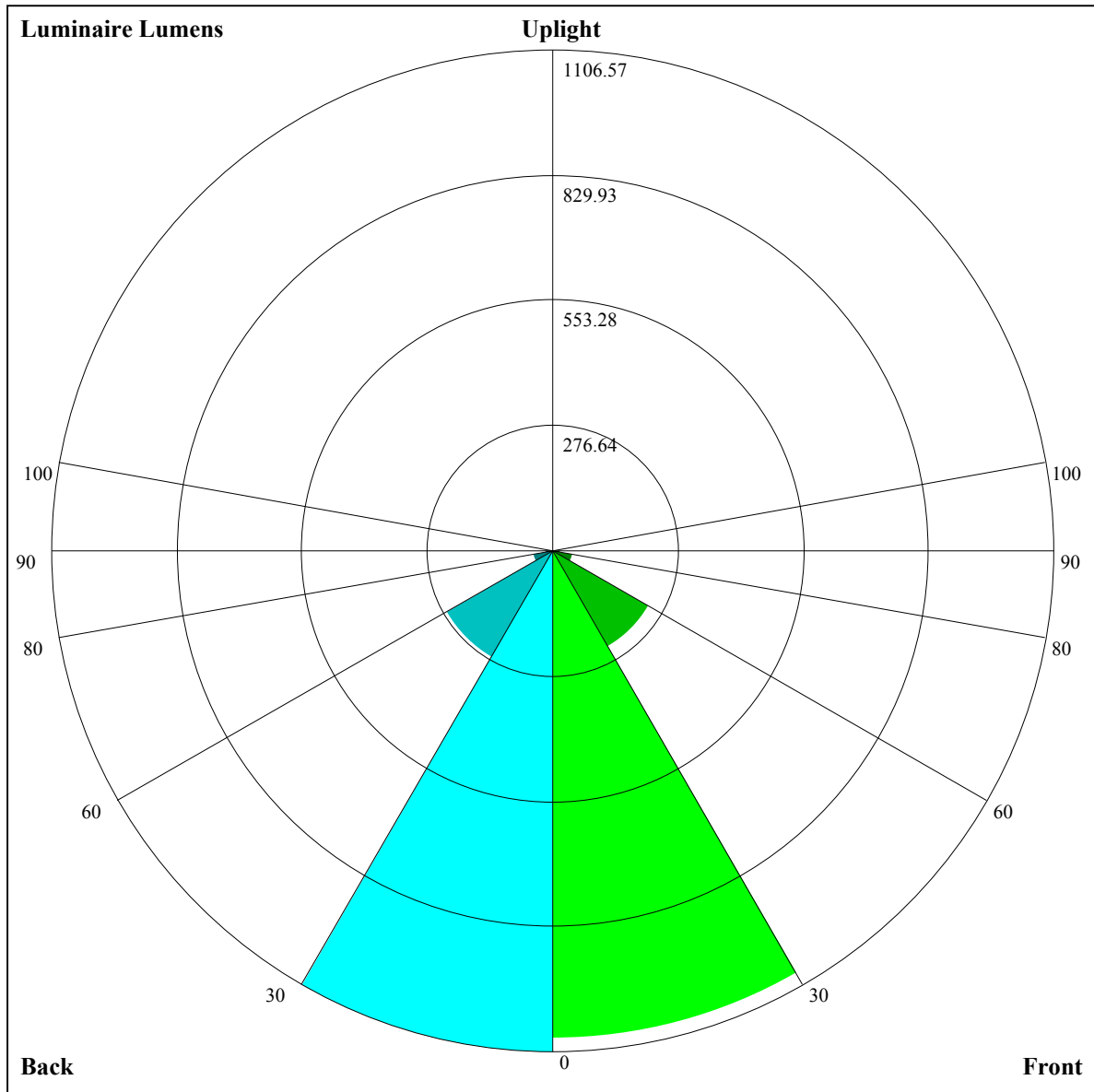
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	18.25	19.27	18.61	19.59	19.90	18.53	19.56	18.89	19.87	20.19
	3H	19.01	19.93	19.40	20.27	20.61	19.21	20.13	19.60	20.47	20.82
	4H	19.50	20.35	19.90	20.71	21.08	19.64	20.49	20.04	20.85	21.21
	6H	20.34	21.12	20.75	21.50	21.90	20.15	20.93	20.56	21.31	21.71
	8H	20.85	21.61	21.27	21.99	22.40	20.41	21.16	20.83	21.54	21.95
	12H	21.19	21.91	21.62	22.30	22.72	20.65	21.36	21.07	21.75	22.17
4H	2H	18.33	19.19	18.73	19.54	19.91	18.59	19.44	18.99	19.80	20.16
	3H	19.32	20.05	19.75	20.44	20.86	19.49	20.21	19.91	20.60	21.02
	4H	20.04	20.67	20.48	21.09	21.54	20.13	20.76	20.56	21.18	21.63
	6H	21.08	21.64	21.55	22.09	22.54	20.79	21.35	21.26	21.80	22.25
	8H	21.75	22.27	22.23	22.73	23.20	21.18	21.70	21.66	22.16	22.63
	12H	22.22	22.70	22.70	23.15	23.67	21.55	22.03	22.03	22.48	22.99
8H	4H	20.22	20.74	20.70	21.20	21.67	20.29	20.81	20.78	21.27	21.74
	6H	21.47	21.89	21.97	22.37	22.88	21.14	21.57	21.65	22.05	22.56
	8H	22.31	22.68	22.84	23.20	23.69	21.71	22.07	22.24	22.59	23.09
	12H	22.92	23.20	23.46	23.72	24.24	22.22	22.50	22.76	23.02	23.54
12H	4H	20.25	20.73	20.73	21.18	21.70	20.34	20.82	20.83	21.27	21.79
	6H	21.59	21.95	22.12	22.47	22.97	21.29	21.65	21.82	22.17	22.67
	8H	22.45	22.73	22.99	23.25	23.77	21.88	22.16	22.42	22.68	23.20
Variation with the observer position at spacings:											
S = 1.0H	3.8/-2.1					3.8/-2.1					
S = 1.5H	5.1/-1.7					5.1/-1.7					
S = 2.0H	6.1/-1.4					6.1/-1.4					
Standard tables:	BKBF					BKBF					
Uncorrected UGR	6.5					6.5					

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	1.13	1.13	1.13	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.04	1.01	0.99	1.02	1.00	0.97	0.98	0.96	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.87
2	0.96	0.92	0.89	0.95	0.91	0.88	0.92	0.89	0.86	0.89	0.86	0.84	0.86	0.84	0.82	0.81
3	0.90	0.85	0.81	0.89	0.84	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.75
4	0.84	0.79	0.75	0.83	0.78	0.74	0.81	0.77	0.73	0.79	0.75	0.72	0.77	0.74	0.72	0.70
5	0.79	0.73	0.69	0.78	0.73	0.69	0.76	0.72	0.68	0.75	0.71	0.68	0.73	0.70	0.67	0.66
6	0.74	0.69	0.64	0.74	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.63	0.70	0.66	0.63	0.62
7	0.70	0.64	0.60	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.58
8	0.66	0.61	0.57	0.66	0.60	0.57	0.65	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.55
9	0.63	0.57	0.53	0.62	0.57	0.53	0.61	0.57	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.52
10	0.59	0.54	0.50	0.59	0.54	0.50	0.58	0.54	0.50	0.58	0.53	0.50	0.57	0.53	0.50	0.49





Luminaire Lumens:

FL=1078.14,FM=245.84,FH=46.63,FVH=17.26

BL=1106.57,BM=273.06,BH=46.25,BVH=16.69

UL=0,UH=0

BUG Rating:B3-U0-G1

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	3050.25	3054.93	3060.20	3064.88	3072.49	3088.29	3089.46	3092.39	3092.39
45.0	3042.06	3057.86	3073.07	3097.65	3104.68	3111.70	3128.09	3136.86	3145.06
90.0	3075.42	3088.88	3102.92	3110.53	3123.40	3129.26	3136.86	3142.72	3142.72
135.0	3047.91	3066.64	3077.76	3088.88	3115.21	3131.60	3137.45	3149.74	3156.18
180.0	3050.25	3055.52	3052.01	3059.03	3068.98	3076.59	3083.02	3094.14	3104.09
225.0	3042.06	3026.84	3026.84	3022.16	3022.75	3027.43	3028.01	3030.94	3031.52
270.0	3075.42	3047.33	3036.79	3012.80	3006.94	3002.26	3002.85	2992.31	2987.05
315.0	3047.91	3034.45	3031.52	3026.26	3013.97	3019.23	3022.75	3015.14	3018.65
360.0	3050.25	3054.93	3060.20	3064.88	3072.49	3088.29	3089.46	3092.39	3092.39
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3092.39	3095.31	3092.97	3088.88	3088.88	3081.85	3066.64	3040.89	3005.19
45.0	3136.28	3142.13	3134.52	3129.26	3120.48	3112.87	3110.53	3098.24	3074.25
90.0	3123.99	3115.21	3100.00	3091.22	3087.12	3060.79	3032.11	2998.17	2962.47
135.0	3157.93	3156.76	3139.79	3131.60	3118.72	3130.43	3119.89	3089.46	3070.73
180.0	3121.06	3121.06	3125.75	3122.23	3119.31	3126.92	3125.16	3111.70	3091.22
225.0	3028.60	3022.75	3018.06	3007.53	3000.51	2999.92	3018.06	2992.90	2958.37
270.0	2971.25	2964.81	2952.52	2946.08	2933.21	2923.84	2913.31	2900.43	2874.68
315.0	3010.46	3011.63	3008.12	3007.53	2996.41	2994.07	2985.88	2973.00	2941.40
360.0	3092.39	3095.31	3092.97	3088.88	3088.88	3081.85	3066.64	3040.89	3005.19
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2960.13	2906.87	2851.27	2761.15	2664.59	2554.57	2432.84	2267.81	2125.01
45.0	3022.16	2975.34	2927.94	2860.05	2796.85	2714.33	2614.84	2506.58	2370.22
90.0	2907.46	2850.10	2802.12	2730.13	2668.10	2578.56	2432.25	2311.11	2157.20
135.0	3043.81	2994.07	2944.91	2898.68	2833.13	2780.46	2681.56	2591.43	2483.75
180.0	3060.20	3018.65	2969.49	2920.92	2872.93	2796.85	2728.38	2601.97	2476.15
225.0	2918.58	2876.44	2828.45	2791.58	2734.23	2649.37	2560.42	2443.96	2316.38
270.0	2840.16	2806.80	2756.47	2712.58	2650.54	2587.34	2477.90	2384.27	2240.89
315.0	2912.14	2867.66	2820.26	2759.98	2656.39	2556.32	2424.65	2286.53	2094.58
360.0	2960.13	2906.87	2851.27	2761.15	2664.59	2554.57	2432.84	2267.81	2125.01
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1916.09	1729.40	1160.85	1160.85	1059.67	864.44	694.66	514.82	396.43
45.0	2216.89	1980.46	1784.99	1579.00	1368.90	1114.33	925.30	752.07	563.04
90.0	1956.47	1769.19	1576.07	1119.77	1119.77	940.34	768.69	617.12	453.49
135.0	2351.49	2140.81	1956.47	1751.64	1531.01	1265.90	1063.41	883.16	674.82
180.0	2332.77	2160.12	1916.09	1700.72	1484.77	1270.58	1018.94	826.98	663.12
225.0	2116.82	1931.89	1672.63	1123.98	1123.98	1026.19	797.02	638.89	470.93
270.0	2111.55	1955.30	1729.40	1533.93	1326.18	1122.52	886.67	717.54	572.99
315.0	1926.62	1755.73	1360.71	1119.01	1119.01	877.19	702.33	551.81	400.70
360.0	1916.09	1729.40	1160.85	1160.85	1059.67	864.44	694.66	514.82	396.43
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	303.15	235.55	177.67	150.29	134.54	124.36	114.12	107.86	101.13
45.0	438.39	313.15	313.15	226.72	154.67	133.49	123.31	115.46	108.68
90.0	349.26	269.20	199.50	162.34	141.39	125.59	117.45	110.49	103.12
135.0	533.20	412.64	314.91	314.91	178.20	146.48	132.96	123.89	116.93
180.0	517.98	372.85	301.45	301.45	160.47	135.95	120.56	112.66	106.04
225.0	361.79	275.99	214.25	163.39	138.93	126.12	117.05	107.68	101.77
270.0	446.00	323.69	302.62	302.62	151.75	133.61	122.84	112.30	105.52
315.0	308.94	237.95	189.67	157.60	135.42	124.42	115.70	106.86	101.19
360.0	303.15	235.55	177.67	150.29	134.54	124.36	114.12	107.86	101.13

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	96.15	92.11	87.32	84.10	81.00	77.66	75.32	72.92	70.93
45.0	101.71	97.15	93.05	89.19	84.97	81.81	77.89	75.26	73.33
90.0	98.14	94.46	89.71	85.97	82.58	79.53	76.20	73.68	71.75
135.0	109.44	104.46	99.66	95.63	90.83	87.20	83.92	80.82	78.95
180.0	100.54	94.92	91.00	87.43	84.45	81.81	78.95	76.72	73.86
225.0	96.68	92.41	87.61	84.16	80.12	77.19	74.50	71.34	69.00
270.0	98.73	94.51	90.48	86.61	82.40	79.30	76.49	73.74	70.46
315.0	96.50	91.30	87.67	83.63	80.82	78.07	75.73	72.63	70.23
360.0	96.15	92.11	87.32	84.10	81.00	77.66	75.32	72.92	70.93
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	69.17	67.01	64.78	62.50	60.34	58.87	57.47	55.83	54.72
45.0	70.99	69.00	66.77	64.49	62.33	59.93	58.23	56.83	55.19
90.0	70.05	67.89	66.01	63.56	61.45	59.63	58.29	57.70	56.65
135.0	76.66	73.27	71.05	67.89	65.14	62.33	60.04	58.29	56.36
180.0	71.40	68.76	65.55	63.15	61.33	59.22	57.76	56.30	55.07
225.0	67.01	65.43	63.85	62.27	60.51	58.70	56.71	55.30	53.96
270.0	68.06	65.95	64.08	62.21	60.86	59.93	58.35	56.65	54.89
315.0	67.83	65.49	62.85	60.98	59.22	57.35	56.01	54.72	52.96
360.0	69.17	67.01	64.78	62.50	60.34	58.87	57.47	55.83	54.72
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	53.31	52.26	51.32	50.15	49.28	48.11	47.05	46.06	44.77
45.0	54.02	52.55	51.32	50.10	48.69	47.52	46.35	45.35	43.83
90.0	54.84	53.14	51.62	50.27	48.98	47.40	46.17	45.00	43.54
135.0	54.95	53.78	52.49	50.97	49.92	48.87	47.46	46.35	45.12
180.0	53.55	52.32	51.27	50.04	48.63	47.64	46.47	45.18	43.95
225.0	52.26	50.97	49.33	48.11	46.88	45.41	44.24	43.19	42.02
270.0	53.43	52.14	50.56	49.33	48.16	46.99	45.82	44.48	43.48
315.0	51.62	50.33	48.81	47.64	46.53	45.24	44.30	43.37	42.49
360.0	53.31	52.26	51.32	50.15	49.28	48.11	47.05	46.06	44.77
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	43.37	42.08	41.08	40.56	40.85	42.08	43.95	46.12	47.87
45.0	42.72	41.61	40.50	39.15	38.10	37.10	35.76	34.82	33.88
90.0	42.43	41.02	39.91	38.80	37.81	36.46	35.52	34.47	33.77
135.0	43.95	42.96	42.02	40.91	39.62	38.45	37.22	36.46	36.69
180.0	42.43	41.32	40.26	38.92	37.86	36.81	35.76	34.47	33.47
225.0	40.79	39.74	38.74	37.75	36.64	35.82	35.17	34.76	34.76
270.0	42.37	41.20	40.26	39.39	38.39	38.04	37.92	37.92	38.51
315.0	41.55	41.26	41.14	40.85	40.26	39.39	38.33	37.75	37.98
360.0	43.37	42.08	41.08	40.56	40.85	42.08	43.95	46.12	47.87
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	48.63	46.70	41.20	35.64	33.07	30.55	27.56	26.39	25.16
45.0	33.12	32.95	31.37	30.14	28.38	26.10	24.64	22.30	21.48
90.0	33.30	32.36	30.61	28.91	27.39	25.98	24.58	22.65	21.36
135.0	37.57	40.26	43.01	40.38	36.64	33.30	30.84	28.62	26.16
180.0	32.66	32.25	32.42	30.14	28.44	25.52	24.46	23.29	21.36
225.0	35.41	36.05	35.87	35.46	30.67	28.21	25.34	23.53	22.47
270.0	38.86	40.56	40.15	38.51	34.65	30.96	28.09	25.63	23.94
315.0	39.27	39.39	36.34	34.18	32.36	31.37	31.13	32.48	34.12
360.0	48.63	46.70	41.20	35.64	33.07	30.55	27.56	26.39	25.16

Intensity data(cd)

C/ γ (°)	90.0
0.0	24.81
45.0	20.95
90.0	20.48
135.0	24.70
180.0	20.66
225.0	21.89
270.0	23.17
315.0	36.28
360.0	24.81