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## Nata

Client:

LumCAT: 2-2763-L

Luminaire: 92.70.411.00

Report No: 2024831-B010

Ballast type: AC

Test No: 2024831-C010

Voltage(V): 36.350

LampCAT: LUMILEDS LUXEON CoB 1205 Current(A): 0.598

Lamp flux(lm): 2551.0 Power (W): 21.950

Number of Lamps: 1 PF: 0.000

Length(mm): 0 Width(mm): 0

Phm Type: C Height(mm): 0

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## Photometric Results

Lumens(lm): 2378.38, Efficiency(%): 93.23% , Luminous Efficacy(lm/W): 108.35

Central intensity(cd): 3694.408, Maximum intensity(cd): 3694.408

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=48.2

[C90/270]Total=48.2

Field angle(10%Imax): [C0/180]Total=73.0

[C90/270]Total=73.0

Maximum s/h(1/2): C0\_180=0.76 C90\_270=0.76

Maximum s/h(1/4): C0\_180=0.76 C90\_270=0.76

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.23%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 99.281%

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Equipment: GMS 1800  
Temperature(°C): 25.0

Date: 2024/8/31  
Humidity(%): 60.0%

Operator: NT  
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3694.408	0.000	0	0.00%	0.00%
1.0	3691.983	3.534	3.534	0.14%	0.15%
2.0	3680.492	10.582	14.116	0.41%	0.59%
3.0	3662.798	17.563	31.679	0.69%	1.33%
4.0	3639.204	24.442	56.121	0.96%	2.36%
5.0	3611.681	31.193	87.314	1.22%	3.67%
6.0	3578.251	37.785	125.099	1.48%	5.26%
7.0	3534.237	44.147	169.246	1.73%	7.12%
8.0	3490.222	50.273	219.519	1.97%	9.23%
9.0	3425.524	56.048	275.567	2.20%	11.59%
10.0	3369.453	61.492	337.059	2.41%	14.17%
11.0	3302.528	66.667	403.726	2.61%	16.97%
12.0	3239.979	71.519	475.245	2.80%	19.98%
13.0	3162.193	75.978	551.222	2.98%	23.18%
14.0	3077.856	79.872	631.094	3.13%	26.53%
15.0	2988.007	83.275	714.369	3.26%	30.04%
16.0	2882.081	86.013	800.383	3.37%	33.65%
17.0	2757.974	87.831	888.213	3.44%	37.35%
18.0	2632.816	88.882	977.096	3.48%	41.08%
19.0	2504.327	89.376	1066.472	3.50%	44.84%
20.0	2367.192	89.162	1155.634	3.50%	48.59%
21.0	2238.696	88.442	1244.076	3.47%	52.31%
22.0	2116.810	87.526	1331.602	3.43%	55.99%
23.0	1982.119	86.007	1417.609	3.37%	59.60%
24.0	1859.622	83.994	1501.603	3.29%	63.14%
25.0	1751.875	82.118	1583.72	3.22%	66.59%
26.0	1640.857	80.086	1663.806	3.14%	69.96%
27.0	1531.658	77.616	1741.422	3.04%	73.22%
28.0	1376.185	73.620	1815.043	2.89%	76.31%
29.0	1280.810	69.514	1884.557	2.72%	79.24%
30.0	1159.246	65.881	1950.438	2.58%	82.01%
31.0	1061.447	61.799	2012.237	2.42%	84.61%
32.0	931.887	57.107	2069.344	2.24%	87.01%
33.0	789.929	50.725	2120.069	1.99%	89.14%
34.0	664.929	44.028	2164.097	1.73%	90.99%
35.0	536.663	37.317	2201.414	1.46%	92.56%
36.0	421.676	30.514	2231.928	1.20%	93.84%
37.0	326.669	24.407	2256.335	0.96%	94.87%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	254.087	19.385	2275.72	0.76%	95.68%
39.0	187.766	15.082	2290.801	0.59%	96.32%
40.0	149.179	11.751	2302.553	0.46%	96.81%
41.0	95.263	8.704	2311.257	0.34%	97.18%
42.0	77.812	6.288	2317.545	0.25%	97.44%
43.0	64.777	5.282	2322.827	0.21%	97.66%
44.0	55.434	4.537	2327.364	0.18%	97.86%
45.0	47.017	3.937	2331.302	0.15%	98.02%
46.0	41.846	3.475	2334.777	0.14%	98.17%
47.0	36.229	3.105	2337.882	0.12%	98.30%
48.0	32.070	2.761	2340.643	0.11%	98.41%
49.0	28.778	2.499	2343.142	0.10%	98.52%
50.0	26.104	2.288	2345.43	0.09%	98.61%
51.0	23.515	2.099	2347.53	0.08%	98.70%
52.0	21.491	1.931	2349.461	0.08%	98.78%
53.0	19.915	1.801	2351.262	0.07%	98.86%
54.0	18.384	1.688	2352.95	0.07%	98.93%
55.0	17.149	1.586	2354.536	0.06%	99.00%
56.0	15.953	1.496	2356.032	0.06%	99.06%
57.0	14.987	1.415	2357.446	0.06%	99.12%
58.0	14.034	1.342	2358.789	0.05%	99.18%
59.0	13.180	1.272	2360.061	0.05%	99.23%
60.0	12.431	1.210	2361.271	0.05%	99.28%
61.0	11.728	1.153	2362.424	0.05%	99.33%
62.0	11.097	1.100	2363.524	0.04%	99.38%
63.0	10.532	1.052	2364.575	0.04%	99.42%
64.0	9.974	1.006	2365.582	0.04%	99.46%
65.0	9.494	0.963	2366.545	0.04%	99.50%
66.0	8.968	0.921	2367.466	0.04%	99.54%
67.0	8.535	0.880	2368.346	0.03%	99.58%
68.0	8.049	0.840	2369.186	0.03%	99.61%
69.0	7.595	0.798	2369.985	0.03%	99.65%
70.0	7.129	0.756	2370.741	0.03%	99.68%
71.0	6.669	0.713	2371.454	0.03%	99.71%
72.0	6.288	0.674	2372.128	0.03%	99.74%
73.0	5.907	0.638	2372.765	0.02%	99.76%
74.0	5.532	0.601	2373.367	0.02%	99.79%
75.0	5.164	0.565	2373.932	0.02%	99.81%

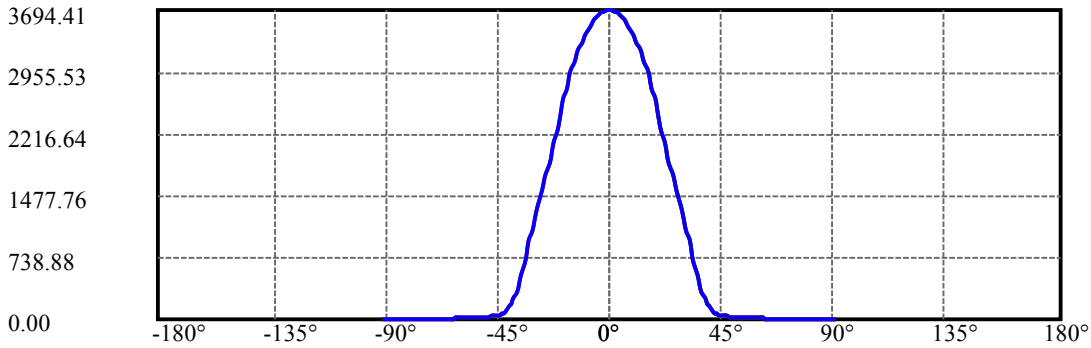
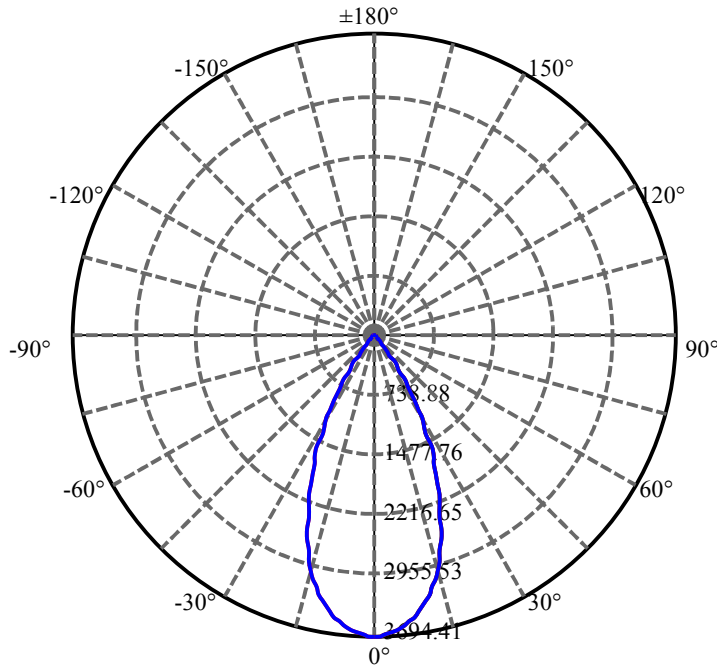
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.823	0.530	2374.462	0.02%	99.84%
77.0	4.474	0.496	2374.958	0.02%	99.86%
78.0	4.113	0.460	2375.417	0.02%	99.88%
79.0	3.719	0.421	2375.838	0.02%	99.89%
80.0	3.397	0.384	2376.222	0.02%	99.91%
81.0	3.049	0.349	2376.57	0.01%	99.92%
82.0	2.753	0.315	2376.885	0.01%	99.94%
83.0	2.438	0.282	2377.167	0.01%	99.95%
84.0	2.122	0.248	2377.415	0.01%	99.96%
85.0	1.912	0.220	2377.636	0.01%	99.97%
86.0	1.675	0.196	2377.832	0.01%	99.98%
87.0	1.426	0.170	2378.001	0.01%	99.98%
88.0	1.209	0.144	2378.146	0.01%	99.99%
89.0	1.045	0.124	2378.269	0.00%	100.00%
90.0	0.913	0.107	2378.377	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1950.44	76.46%	82.01%
0-40	2302.55	90.26%	96.81%
0-60	2361.27	92.56%	99.28%
0-90	2378.27	93.23%	100.00%
0-120	2378.27	93.23%	100.00%
0-180	2378.38	93.23%	100.00%
60-90	17.00	0.67%	0.71%
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%
0-29.28	1902.70	74.59%	80.00%

ZONAL LUMEN SUMMARY

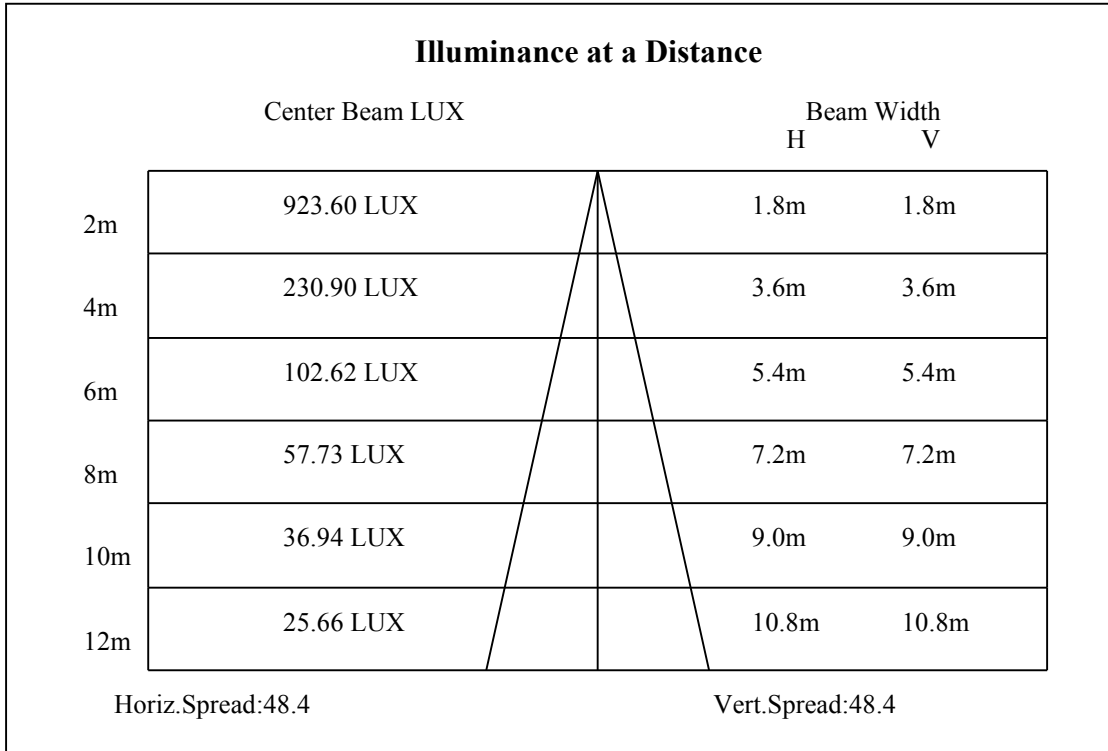
0-10	337.06
10-20	818.57
20-30	794.80
30-40	352.11
40-50	42.88
50-60	15.84
60-70	9.47
70-80	5.48
80-90	2.05
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

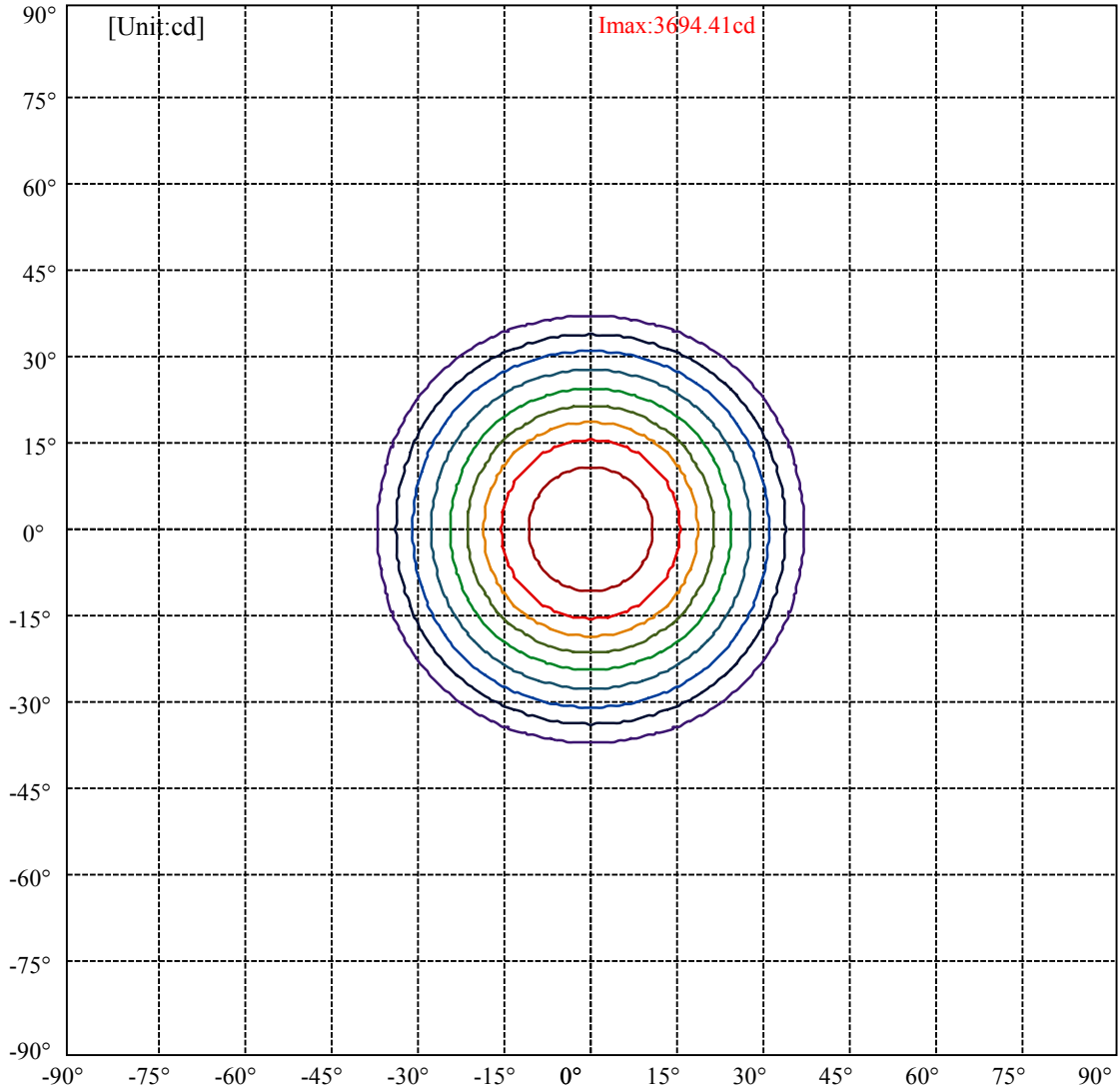


C0(Max): ———  
C0/C180: ———  
C90/C270: ———

Field angle(10%Imax):C0/180Left:36.5 Right:36.5  
:C90/270Left:36.5 Right:36.5

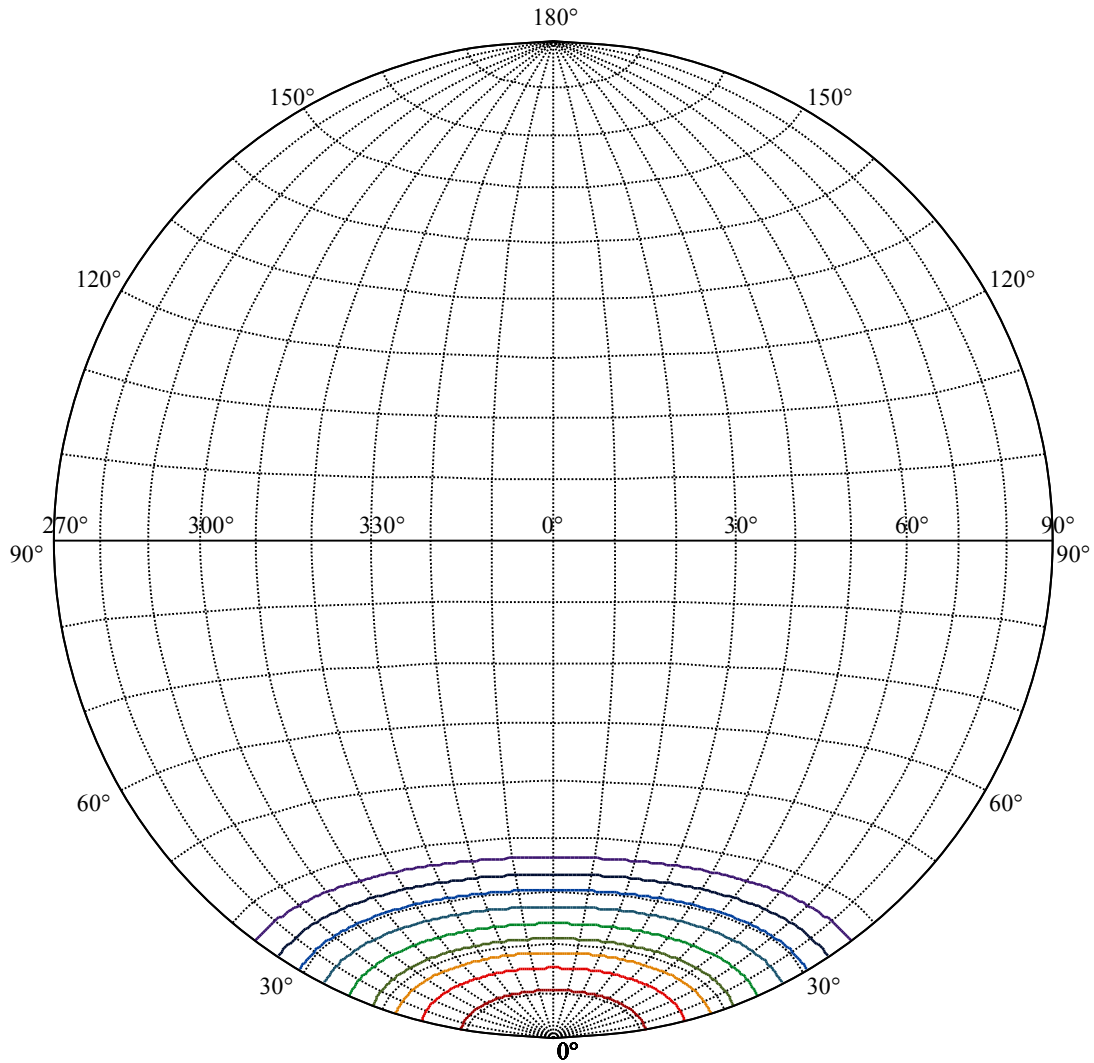
Beam Angle(50%Imax):C0/180Left:24.1 Right:24.1  
:C90/270Left:24.1 Right:24.1





(10%Imax) 369.441	—
(20%Imax) 738.882	—
(30%Imax) 1108.32	—
(40%Imax) 1477.76	—
(50%Imax) 1847.2	—
(60%Imax) 2216.64	—
(70%Imax) 2586.09	—
(80%Imax) 2955.53	—
(90%Imax) 3324.97	—





House

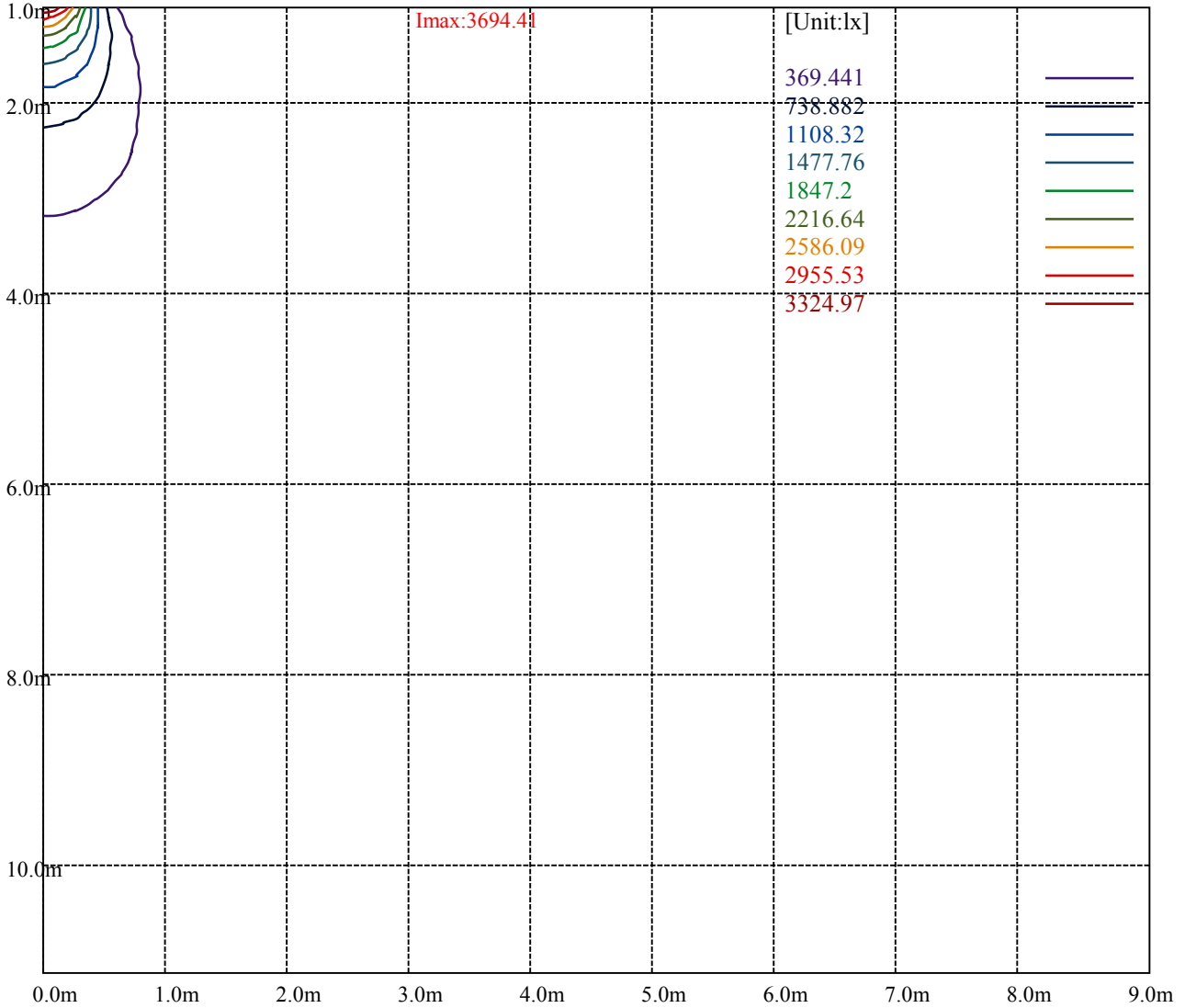
[Unit:cd]

Road

I<sub>max</sub>:3694.41

(10%I <sub>max</sub> )	369.441	—
(20%I <sub>max</sub> )	738.882	—
(30%I <sub>max</sub> )	1108.32	—
(40%I <sub>max</sub> )	1477.76	—
(50%I <sub>max</sub> )	1847.2	—
(60%I <sub>max</sub> )	2216.64	—
(70%I <sub>max</sub> )	2586.09	—
(80%I <sub>max</sub> )	2955.53	—
(90%I <sub>max</sub> )	3324.97	—





Luminance Table

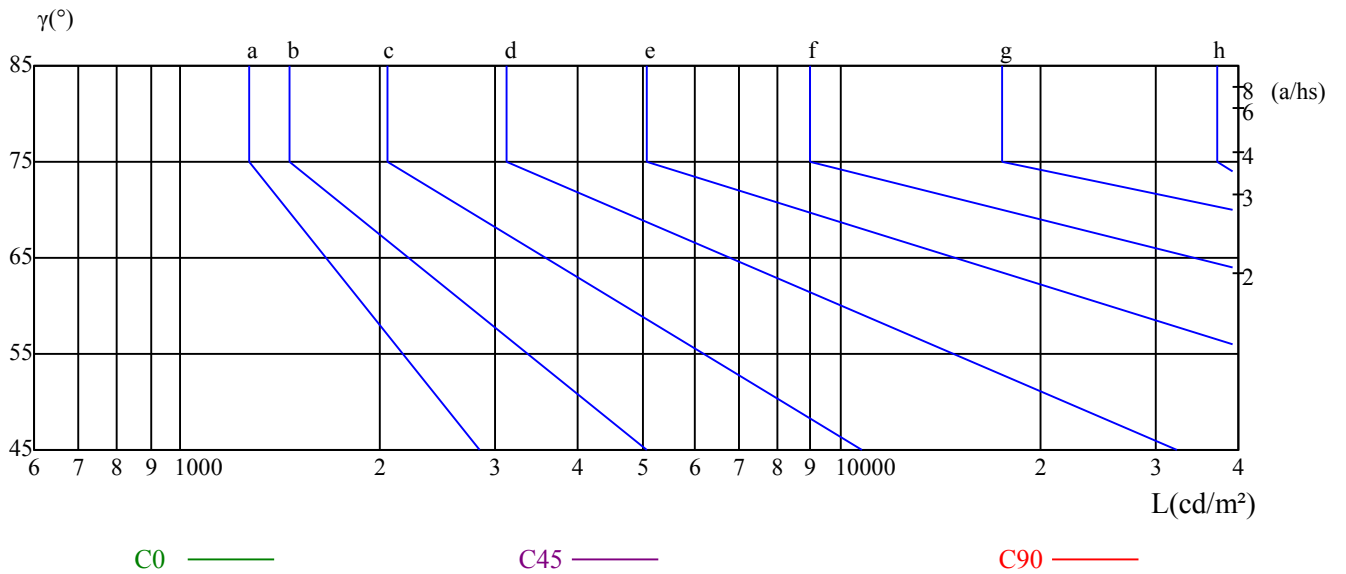
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

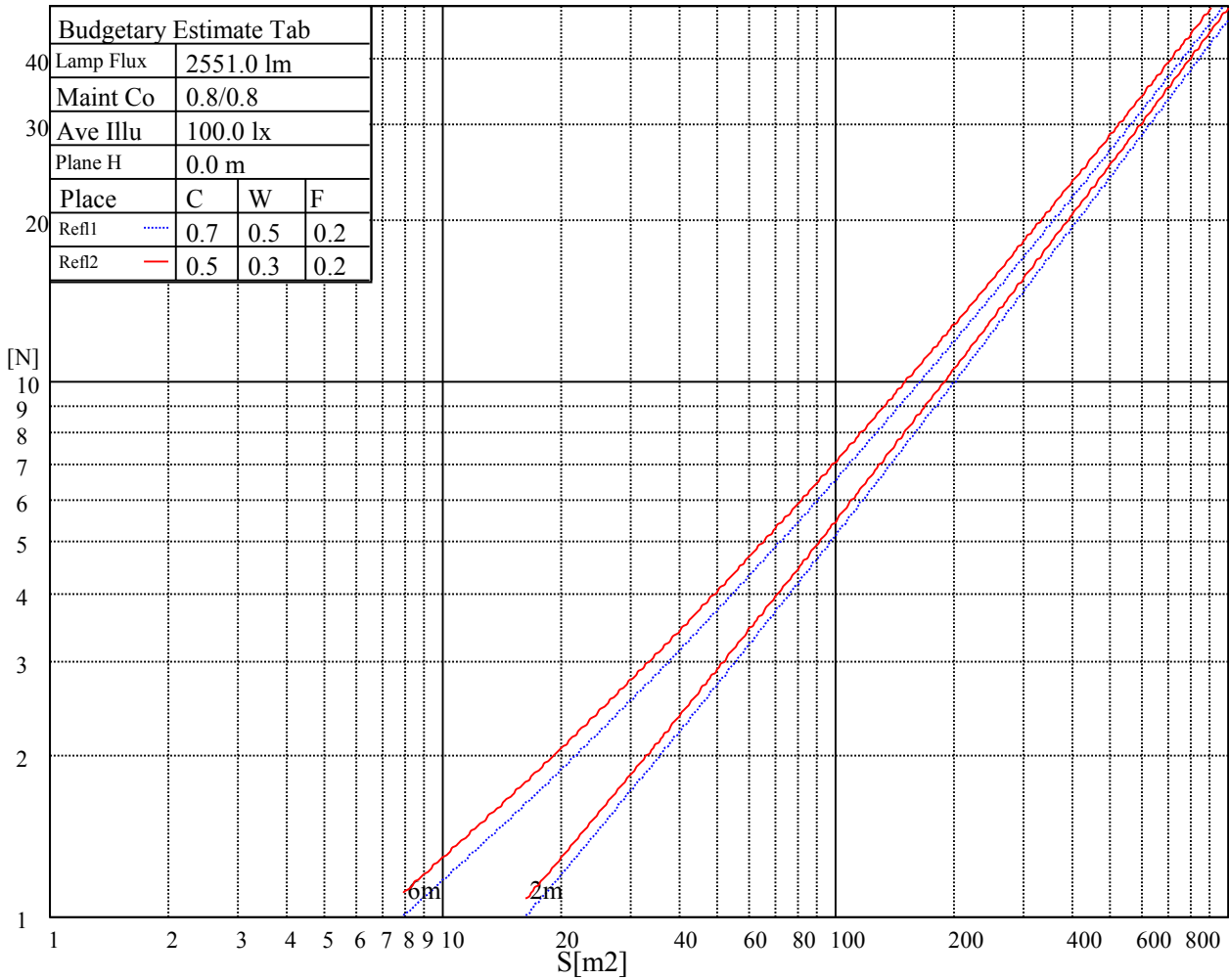
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

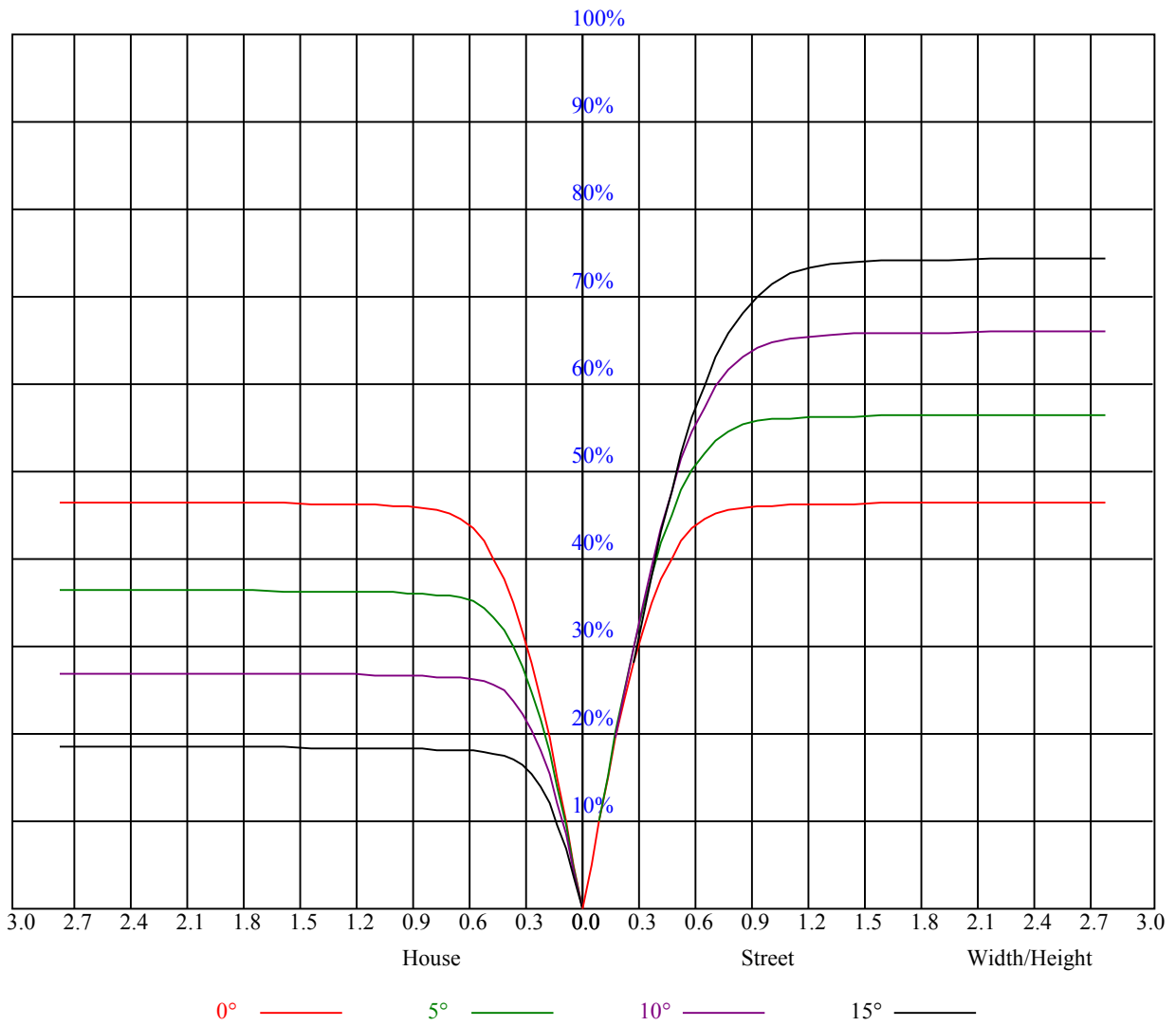


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

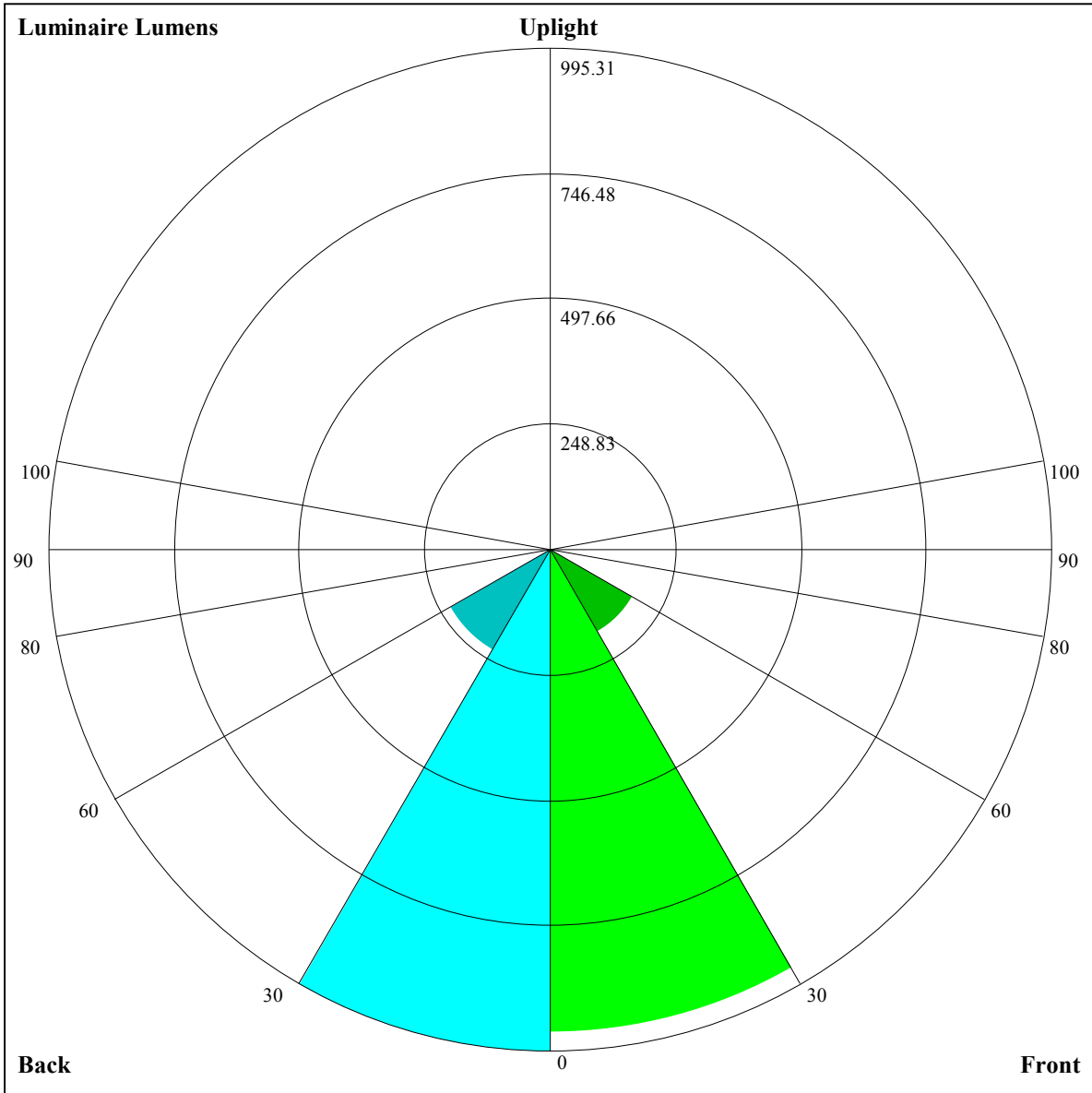
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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 RHOFC=20 CU															
0	1.11	1.11	1.11	1.08	1.08	1.08	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.96	0.95	0.95	0.93	0.92	0.91	0.90	0.90	0.88
2	0.97	0.94	0.91	0.96	0.93	0.90	0.93	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.84	0.83
3	0.91	0.87	0.84	0.90	0.86	0.83	0.88	0.84	0.82	0.86	0.83	0.80	0.83	0.81	0.79	0.78
4	0.86	0.81	0.78	0.85	0.81	0.77	0.83	0.79	0.76	0.81	0.78	0.76	0.80	0.77	0.75	0.73
5	0.81	0.76	0.73	0.81	0.76	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.69
6	0.77	0.72	0.68	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.72	0.69	0.67	0.65
7	0.73	0.68	0.64	0.72	0.68	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.62
8	0.69	0.64	0.61	0.69	0.64	0.61	0.68	0.64	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.59
9	0.66	0.61	0.58	0.66	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.60	0.57	0.56
10	0.63	0.58	0.55	0.63	0.58	0.55	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.53







Luminaire Lumens:

FL=957.9,FM=188.92,FH=7.23,FVH=1.02

BL=995.31,BM=229.95,BH=7.74,BVH=1.15

UL=0,UH=0

BUG Rating:B2-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	3690.36	3677.01	3667.55	3648.57	3610.73	3567.78	3538.82	3483.68	3422.40
45.0	3682.00	3708.76	3714.33	3711.54	3694.30	3671.44	3643.58	3600.11	3529.94
90.0	3713.23	3733.30	3723.26	3721.58	3704.87	3683.16	3638.01	3577.82	3555.54
135.0	3692.04	3702.66	3712.12	3709.86	3704.87	3685.37	3678.69	3641.90	3599.01
180.0	3690.36	3689.26	3678.69	3658.09	3653.04	3636.33	3597.32	3576.72	3549.44
225.0	3682.00	3654.15	3626.29	3572.83	3538.30	3514.85	3482.00	3420.71	3362.21
270.0	3713.23	3698.19	3661.98	3637.43	3616.30	3579.51	3528.78	3493.15	3464.71
315.0	3692.04	3672.54	3659.72	3642.48	3591.23	3555.01	3518.80	3479.80	3438.53
360.0	3690.36	3677.01	3667.55	3648.57	3610.73	3567.78	3538.82	3483.68	3422.40
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3359.43	3299.24	3225.71	3146.60	3066.92	2962.74	2862.45	2703.08	2600.00
45.0	3460.82	3395.64	3323.79	3263.03	3177.25	3056.35	2966.63	2844.05	2705.86
90.0	3458.61	3416.83	3339.93	3258.56	3156.64	3043.53	2928.73	2784.45	2641.79
135.0	3557.80	3505.39	3434.64	3375.56	3300.93	3206.21	3109.81	3052.99	2875.27
180.0	3498.14	3427.97	3365.00	3305.92	3247.99	3183.34	3104.24	3008.41	2894.20
225.0	3284.79	3230.18	3159.43	3075.27	3027.92	2947.13	2860.77	2776.61	2666.34
270.0	3402.32	3346.60	3294.78	3263.61	3176.67	3148.28	3079.74	3011.78	2933.78
315.0	3382.29	3333.78	3276.96	3231.28	3143.24	3075.27	2991.70	2875.27	2746.55
360.0	3359.43	3299.24	3225.71	3146.60	3066.92	2962.74	2862.45	2703.08	2600.00
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2459.61	2311.38	2170.99	2036.74	1920.27	1798.27	1681.79	1572.62	1466.76
45.0	2553.22	2402.79	2251.25	2120.32	1986.02	1846.15	1725.26	1614.93	1507.97
90.0	2496.93	2349.28	2186.60	2059.56	1936.46	1814.98	1698.50	1587.65	1485.68
135.0	2740.98	2647.94	2505.29	2365.47	2227.28	2097.45	1964.31	1840.58	1726.94
180.0	2790.54	2670.23	2532.62	2396.64	2257.35	2122.53	2000.53	1891.88	1822.76
225.0	2564.37	2437.90	2323.68	2208.31	2080.16	1959.27	1844.52	1740.87	1633.91
270.0	2844.05	2741.55	2625.08	2505.86	2382.71	2261.24	2128.68	2006.10	1884.63
315.0	2612.83	2473.54	2342.03	2216.67	2144.23	1957.06	1833.38	1760.37	1598.22
360.0	2459.61	2311.38	2170.99	2036.74	1920.27	1798.27	1681.79	1572.62	1466.76
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1351.43	1037.27	1037.27	957.58	819.29	738.19	549.80	476.95	364.31
45.0	1407.68	1307.39	1190.38	1056.66	918.48	778.66	646.62	570.25	454.40
90.0	1369.78	1063.08	1063.08	1004.84	866.91	728.41	593.01	471.70	354.64
135.0	1610.52	1499.08	1388.18	1265.60	1129.10	984.23	837.69	692.83	555.80
180.0	1677.37	1577.61	1521.89	1388.18	1316.32	1182.60	1047.20	909.02	764.73
225.0	1531.93	1437.22	1375.35	1096.66	1096.66	986.49	851.78	716.32	586.23
270.0	1778.19	1670.12	1561.47	1450.04	1319.11	1175.35	1056.66	882.84	741.87
315.0	1526.36	1417.72	1108.86	1054.40	1025.70	881.16	736.66	599.53	471.33
360.0	1351.43	1037.27	1037.27	957.58	819.29	738.19	549.80	476.95	364.31
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	258.61	177.08	125.20	96.77	79.11	65.39	55.77	48.52	42.16
45.0	344.07	301.71	281.68	120.11	95.72	79.58	67.23	57.98	50.62
90.0	256.61	174.61	126.47	99.24	81.94	68.91	58.76	50.93	44.10
135.0	430.96	362.47	278.32	278.32	110.70	87.52	71.38	59.82	51.72
180.0	626.55	497.29	383.08	301.18	301.18	125.36	96.72	79.05	70.75
225.0	470.01	361.42	268.38	192.06	140.81	111.80	91.09	74.32	62.71
270.0	632.69	481.10	389.75	287.78	287.78	146.91	116.48	93.61	75.16
315.0	353.90	257.66	179.82	126.68	96.19	76.64	65.07	53.98	46.26
360.0	258.61	177.08	125.20	96.77	79.11	65.39	55.77	48.52	42.16

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	36.69	32.43	28.75	25.91	23.44	21.45	19.82	18.29	17.29
45.0	44.10	38.58	34.01	30.91	27.23	25.23	23.13	21.34	19.76
90.0	38.48	35.58	30.17	27.07	25.49	23.13	21.08	19.55	18.03
135.0	44.94	39.26	34.53	30.49	27.12	24.49	22.29	20.55	18.92
180.0	56.19	51.56	44.84	39.11	34.43	30.38	27.07	24.34	22.13
225.0	54.30	50.04	41.42	36.32	33.69	30.07	27.07	24.44	22.34
270.0	61.45	52.56	45.57	39.68	34.59	32.17	27.60	24.81	23.55
315.0	40.00	34.74	30.54	27.07	24.23	21.92	20.08	18.61	17.29
360.0	36.69	32.43	28.75	25.91	23.44	21.45	19.82	18.29	17.29
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	15.82	14.88	14.09	13.30	12.46	11.72	11.20	10.57	10.09
45.0	18.29	17.03	15.93	14.93	13.98	13.14	12.40	11.72	11.14
90.0	16.71	15.51	14.56	13.61	12.83	12.04	11.30	10.72	10.14
135.0	17.50	16.82	15.24	14.72	13.77	12.88	12.14	11.46	10.83
180.0	20.39	18.76	17.40	16.19	15.19	14.19	13.35	12.51	11.93
225.0	20.66	19.13	17.66	16.56	15.35	14.51	13.56	12.83	11.98
270.0	21.55	19.92	18.45	17.19	16.03	14.98	14.03	13.19	12.35
315.0	16.14	15.14	14.30	13.40	12.67	11.98	11.46	10.83	10.30
360.0	15.82	14.88	14.09	13.30	12.46	11.72	11.20	10.57	10.09
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	9.67	9.25	8.67	8.20	7.73	7.31	6.78	6.41	6.04
45.0	10.51	9.93	9.51	8.94	8.46	7.83	7.52	6.89	6.25
90.0	9.62	9.04	8.57	7.99	7.46	7.04	6.52	6.15	5.78
135.0	10.25	9.72	9.36	8.83	8.36	7.88	7.46	7.04	6.62
180.0	11.25	10.62	10.35	9.62	9.30	8.83	8.46	7.88	7.46
225.0	11.35	10.67	10.14	9.62	9.36	8.88	8.25	7.88	7.31
270.0	11.56	10.99	10.41	9.88	9.36	8.88	8.46	7.94	7.41
315.0	10.04	9.57	8.94	8.67	8.25	7.73	7.31	6.83	6.47
360.0	9.67	9.25	8.67	8.20	7.73	7.31	6.78	6.41	6.04
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.68	5.26	4.94	4.73	4.21	3.99	3.63	3.15	2.94
45.0	6.10	5.73	5.26	4.89	4.57	4.15	3.78	3.31	3.05
90.0	5.47	5.05	4.78	4.31	3.99	3.68	3.31	3.00	2.68
135.0	6.20	5.89	5.52	5.10	4.94	4.63	4.21	3.94	3.57
180.0	6.94	6.57	6.15	5.78	5.41	5.05	4.73	4.31	3.94
225.0	6.89	6.47	5.99	5.62	5.26	4.84	4.47	3.99	3.68
270.0	6.99	6.57	6.20	5.83	5.47	5.10	4.78	4.36	3.99
315.0	6.04	5.73	5.41	5.05	4.73	4.36	3.99	3.68	3.31
360.0	5.68	5.26	4.94	4.73	4.21	3.99	3.63	3.15	2.94
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.47	2.31	2.10	1.84	1.68	1.47	1.21	1.00	0.84
45.0	2.73	2.37	2.05	1.73	1.47	1.26	1.00	0.84	0.68
90.0	2.37	2.16	1.89	1.58	1.47	1.26	1.05	0.84	0.79
135.0	3.15	2.84	2.52	2.21	2.00	1.73	1.52	1.31	1.16
180.0	3.57	3.26	2.84	2.47	2.26	1.94	1.73	1.47	1.21
225.0	3.36	3.05	2.68	2.31	2.05	1.84	1.52	1.31	1.10
270.0	3.68	3.26	3.00	2.63	2.37	2.10	1.84	1.52	1.37
315.0	3.05	2.79	2.42	2.21	2.00	1.79	1.52	1.37	1.21
360.0	2.47	2.31	2.10	1.84	1.68	1.47	1.21	1.00	0.84

Intensity data(cd)

C/γ(°)	90.0
0.0	0.84
45.0	0.79
90.0	0.79
135.0	0.79
180.0	1.05
225.0	1.00
270.0	1.10
315.0	0.95
360.0	0.84