



NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86 750 3771111
Address:Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

Nata

Client:

LumCAT: 2-2763-L

Luminaire: 92.70.412.00

Report No: 2024821-B003

Ballast type: AC

Test No: 2024821-C003

Voltage(V): 34.820

LampCAT: Fortimo_SLM_C_1205

Current(A): 0.362

Lamp flux(lm): 2131.0

Power (W): 12.600

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1981.20, Efficiency(%): 92.97% , Luminous Efficacy(lm/W): 157.24

Central intensity(cd): 2900.057, Maximum intensity(cd): 2901.713

Angle of maximum intensity: C=0.0 γ =1.0

Beam Angle(50%Imax): [C0/180]Total=50.6

[C90/270]Total=50.6

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

[C90/270]Total=74.0

Maximum s/h(1/2): C0_180=0.80 C90_270=0.80

Maximum s/h(1/4): C0_180=0.78 C90_270=0.78

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.97%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.019%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/21
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	2900.057	0.000	0	0.00%	0.00%
1.0	2901.713	2.776	2.776	0.13%	0.14%
2.0	2899.564	8.327	11.103	0.39%	0.56%
3.0	2898.868	13.868	24.971	0.65%	1.26%
4.0	2892.803	19.387	44.357	0.91%	2.24%
5.0	2877.961	24.826	69.183	1.16%	3.49%
6.0	2864.525	30.178	99.361	1.42%	5.02%
7.0	2848.434	35.460	134.821	1.66%	6.81%
8.0	2821.069	40.576	175.397	1.90%	8.85%
9.0	2786.870	45.449	220.846	2.13%	11.15%
10.0	2743.487	50.048	270.894	2.35%	13.67%
11.0	2691.174	54.303	325.197	2.55%	16.41%
12.0	2631.364	58.183	383.38	2.73%	19.35%
13.0	2565.471	61.673	445.053	2.89%	22.46%
14.0	2497.573	64.807	509.86	3.04%	25.73%
15.0	2416.633	67.464	577.324	3.17%	29.14%
16.0	2334.169	69.613	646.937	3.27%	32.65%
17.0	2252.277	71.423	718.36	3.35%	36.26%
18.0	2161.179	72.768	791.129	3.41%	39.93%
19.0	2070.851	73.629	864.757	3.46%	43.65%
20.0	1982.263	74.183	938.94	3.48%	47.39%
21.0	1885.791	74.274	1013.215	3.49%	51.14%
22.0	1809.405	74.257	1087.471	3.48%	54.89%
23.0	1691.632	73.461	1160.933	3.45%	58.60%
24.0	1606.593	72.111	1233.044	3.38%	62.24%
25.0	1494.326	70.508	1303.552	3.31%	65.80%
26.0	1346.080	67.048	1370.6	3.15%	69.18%
27.0	1245.731	63.409	1434.009	2.98%	72.38%
28.0	1148.294	60.612	1494.621	2.84%	75.44%
29.0	1047.544	57.449	1552.07	2.70%	78.34%
30.0	928.595	53.355	1605.425	2.50%	81.03%
31.0	808.667	48.346	1653.771	2.27%	83.47%
32.0	697.209	43.142	1696.912	2.02%	85.65%
33.0	583.417	37.728	1734.64	1.77%	87.55%
34.0	488.417	32.437	1767.077	1.52%	89.19%
35.0	410.710	27.924	1795.001	1.31%	90.60%
36.0	342.773	23.991	1818.992	1.13%	91.81%
37.0	290.033	20.639	1839.63	0.97%	92.85%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	252.753	18.117	1857.748	0.85%	93.77%
39.0	214.074	15.934	1873.682	0.75%	94.57%
40.0	183.088	13.852	1887.534	0.65%	95.27%
41.0	141.511	11.559	1899.092	0.54%	95.86%
42.0	114.389	9.297	1908.39	0.44%	96.32%
43.0	94.304	7.731	1916.12	0.36%	96.72%
44.0	76.997	6.465	1922.586	0.30%	97.04%
45.0	63.128	5.385	1927.971	0.25%	97.31%
46.0	52.306	4.514	1932.485	0.21%	97.54%
47.0	43.949	3.828	1936.314	0.18%	97.73%
48.0	37.438	3.290	1939.604	0.15%	97.90%
49.0	32.457	2.870	1942.474	0.13%	98.05%
50.0	28.535	2.543	1945.017	0.12%	98.17%
51.0	25.565	2.289	1947.306	0.11%	98.29%
52.0	23.003	2.084	1949.39	0.10%	98.39%
53.0	21.084	1.918	1951.308	0.09%	98.49%
54.0	19.343	1.782	1953.089	0.08%	98.58%
55.0	17.845	1.660	1954.749	0.08%	98.66%
56.0	16.629	1.558	1956.307	0.07%	98.74%
57.0	15.506	1.469	1957.777	0.07%	98.82%
58.0	14.606	1.392	1959.169	0.07%	98.89%
59.0	13.719	1.324	1960.493	0.06%	98.95%
60.0	13.055	1.265	1961.758	0.06%	99.02%
61.0	12.319	1.211	1962.969	0.06%	99.08%
62.0	11.702	1.157	1964.127	0.05%	99.14%
63.0	11.235	1.116	1965.242	0.05%	99.19%
64.0	10.749	1.079	1966.321	0.05%	99.25%
65.0	10.388	1.046	1967.367	0.05%	99.30%
66.0	10.020	1.018	1968.385	0.05%	99.35%
67.0	9.658	0.989	1969.375	0.05%	99.40%
68.0	9.290	0.960	1970.334	0.05%	99.45%
69.0	8.922	0.929	1971.264	0.04%	99.50%
70.0	8.482	0.894	1972.157	0.04%	99.54%
71.0	7.911	0.847	1973.005	0.04%	99.59%
72.0	7.451	0.799	1973.803	0.04%	99.63%
73.0	7.011	0.756	1974.56	0.04%	99.66%
74.0	6.564	0.714	1975.273	0.03%	99.70%
75.0	6.045	0.666	1975.939	0.03%	99.73%

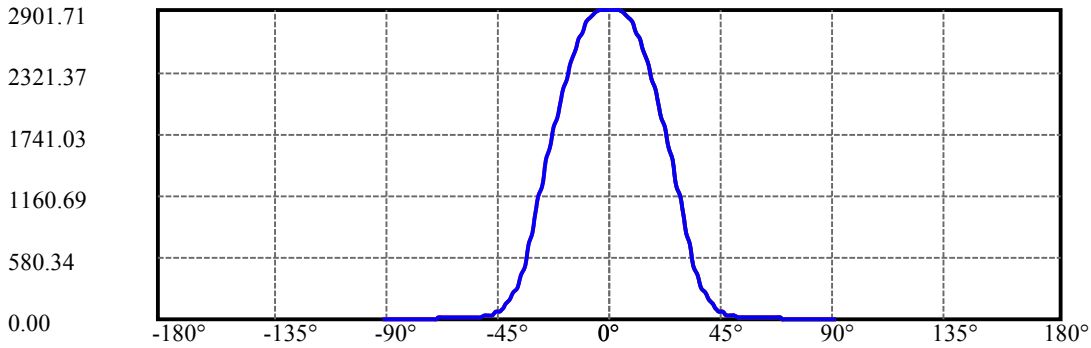
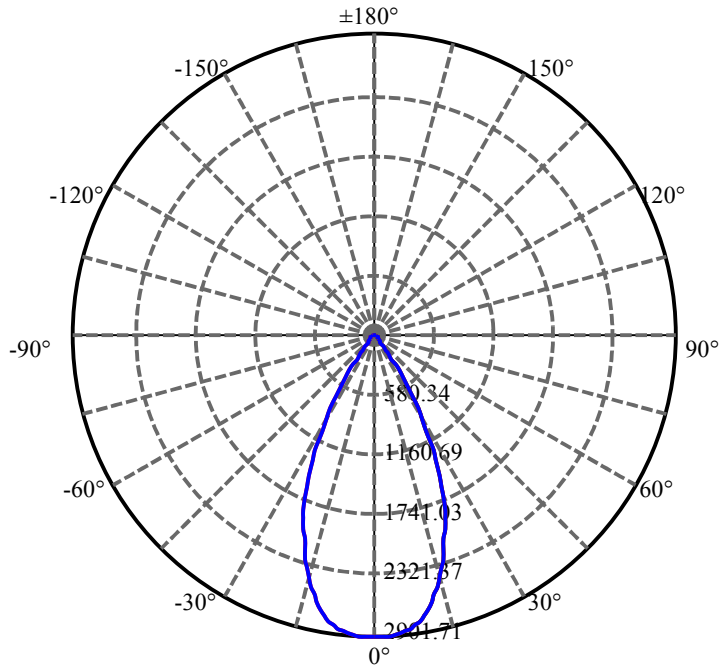
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.598	0.618	1976.557	0.03%	99.77%
77.0	5.223	0.577	1977.134	0.03%	99.79%
78.0	4.796	0.536	1977.671	0.03%	99.82%
79.0	4.428	0.496	1978.166	0.02%	99.85%
80.0	4.014	0.455	1978.622	0.02%	99.87%
81.0	3.673	0.416	1979.037	0.02%	99.89%
82.0	3.298	0.378	1979.415	0.02%	99.91%
83.0	2.911	0.338	1979.753	0.02%	99.93%
84.0	2.576	0.299	1980.052	0.01%	99.94%
85.0	2.280	0.265	1980.317	0.01%	99.96%
86.0	2.004	0.234	1980.551	0.01%	99.97%
87.0	1.721	0.204	1980.755	0.01%	99.98%
88.0	1.459	0.174	1980.929	0.01%	99.99%
89.0	1.222	0.147	1981.076	0.01%	99.99%
90.0	1.071	0.126	1981.202	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1605.43	75.34%	81.03%
0-40	1887.53	88.58%	95.27%
0-60	1961.76	92.06%	99.02%
0-90	1981.08	92.96%	99.99%
0-120	1981.08	92.96%	99.99%
0-180	1981.20	92.97%	100.00%
60-90	19.32	0.91%	0.98%
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%
0-29.62	1584.96	74.38%	80.00%

ZONAL LUMEN SUMMARY

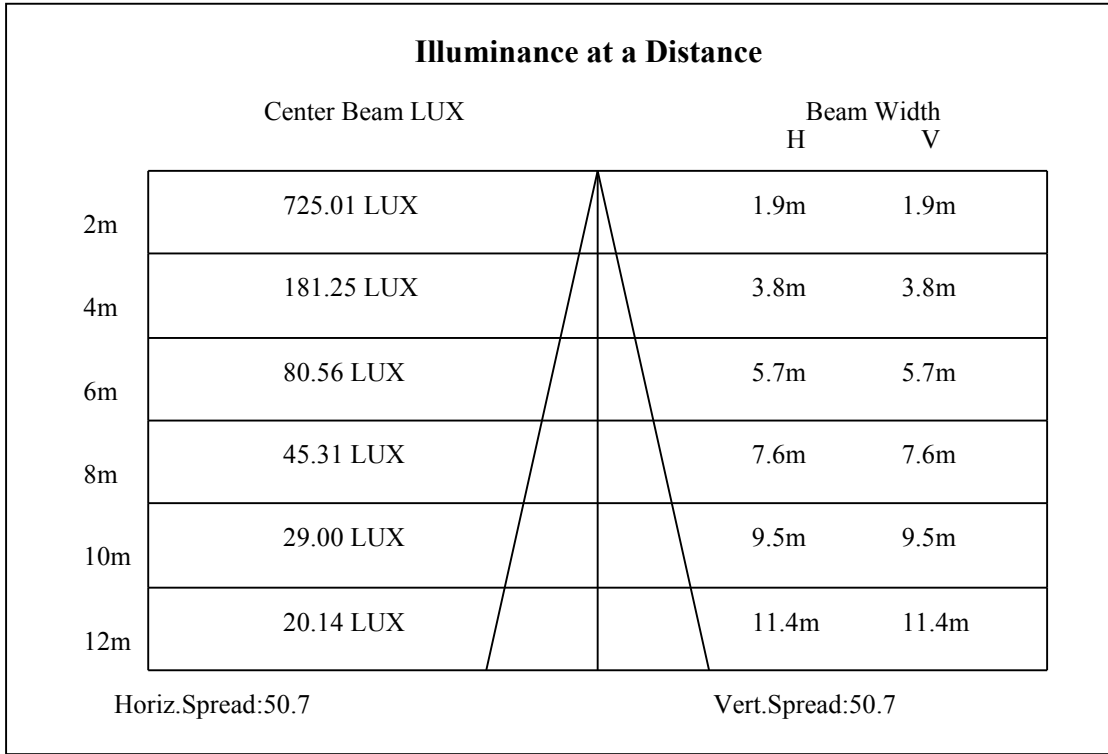
0-10	270.89
10-20	668.05
20-30	666.48
30-40	282.11
40-50	57.48
50-60	16.74
60-70	10.40
70-80	6.46
80-90	2.45
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

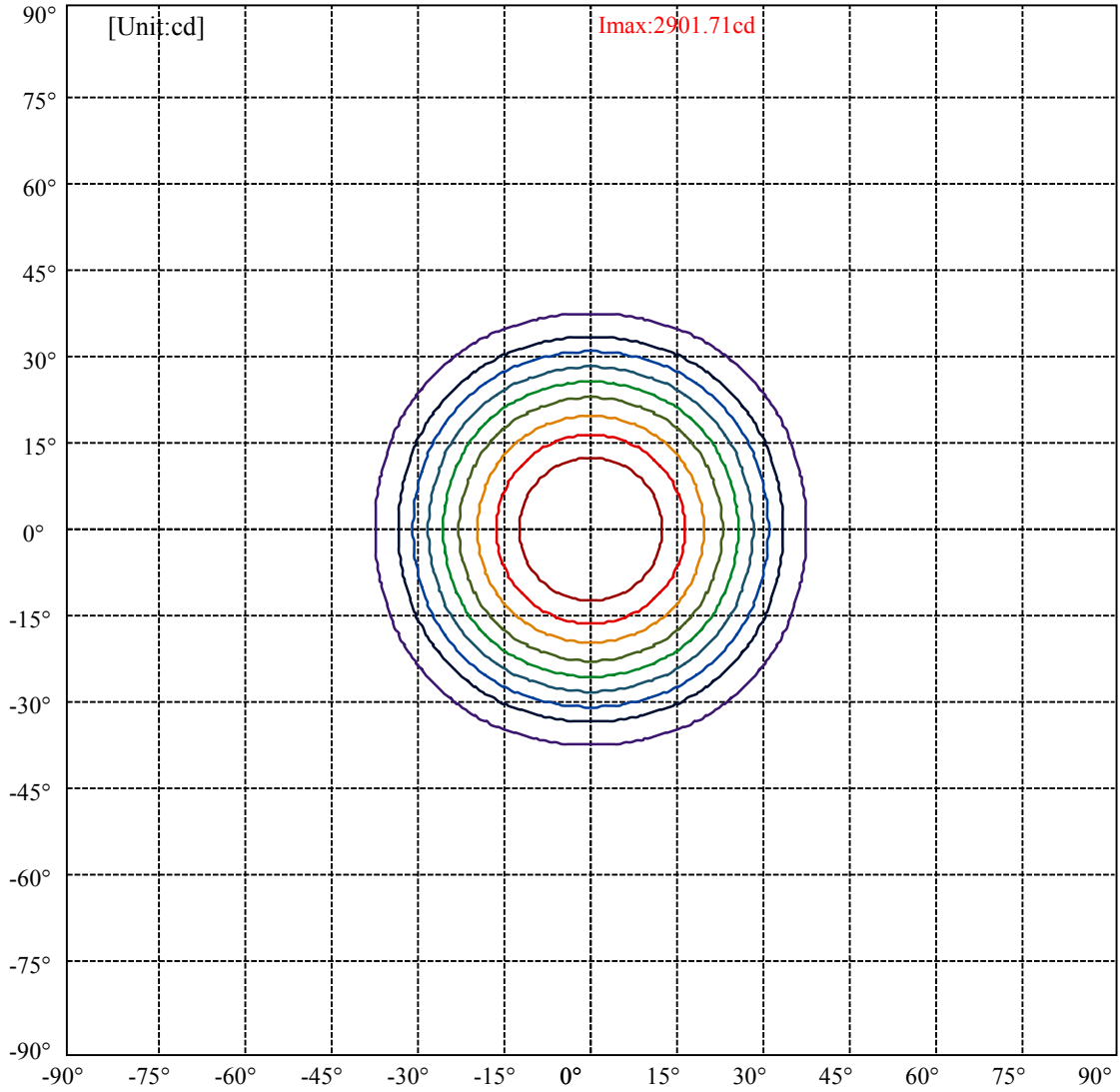


C0(Max): ———
C0/C180: ———
C90/C270: ———

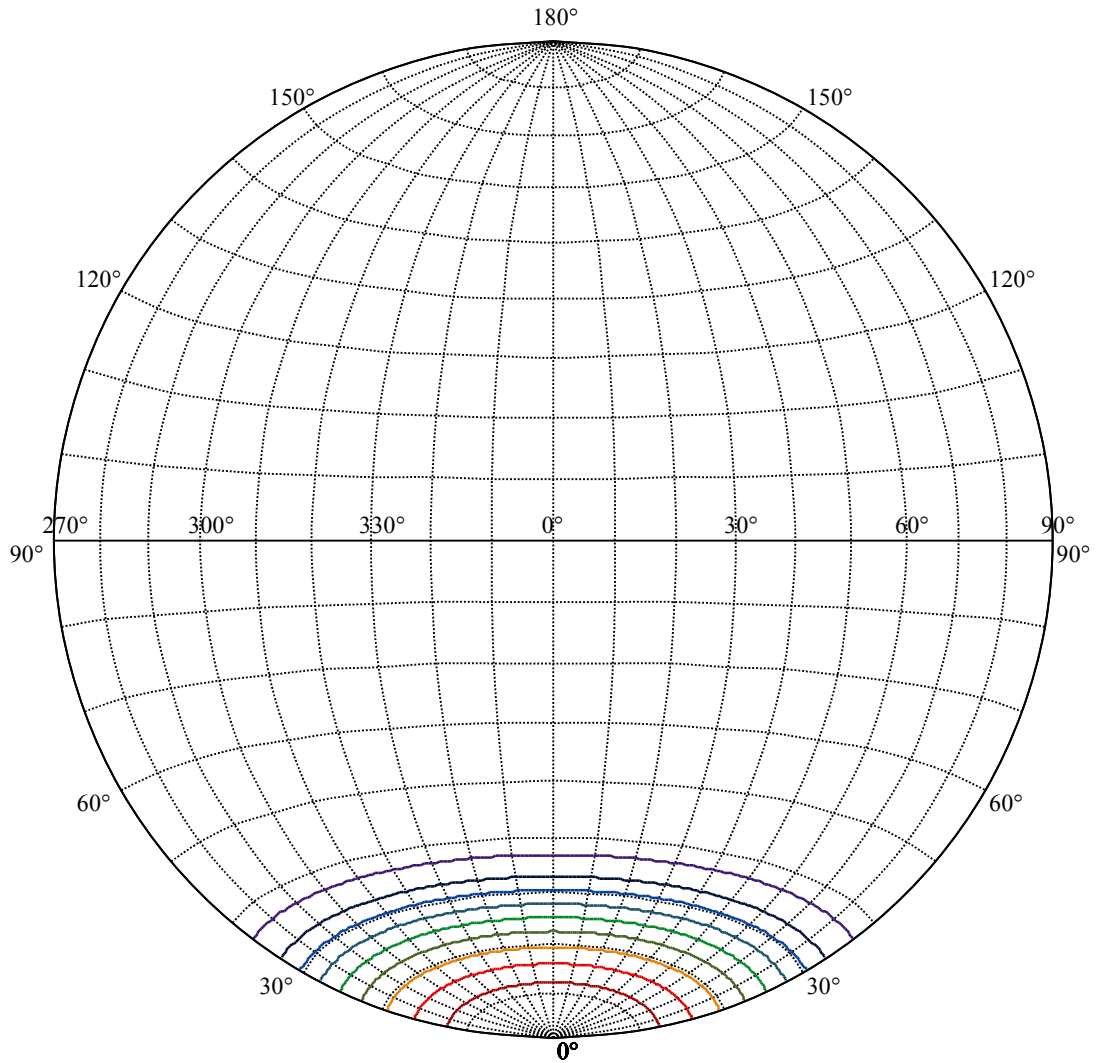
Field angle(10%Imax):C0/180Left:38.0 Right:36.0
:C90/270Left:38.0 Right:36.0

Beam Angle(50%Imax):C0/180Left:26.3 Right:24.3
:C90/270Left:26.3 Right:24.3





(10%Imax) 290.171	—
(20%Imax) 580.343	—
(30%Imax) 870.514	—
(40%Imax) 1160.69	—
(50%Imax) 1450.86	—
(60%Imax) 1741.03	—
(70%Imax) 2031.2	—
(80%Imax) 2321.37	—
(90%Imax) 2611.54	—



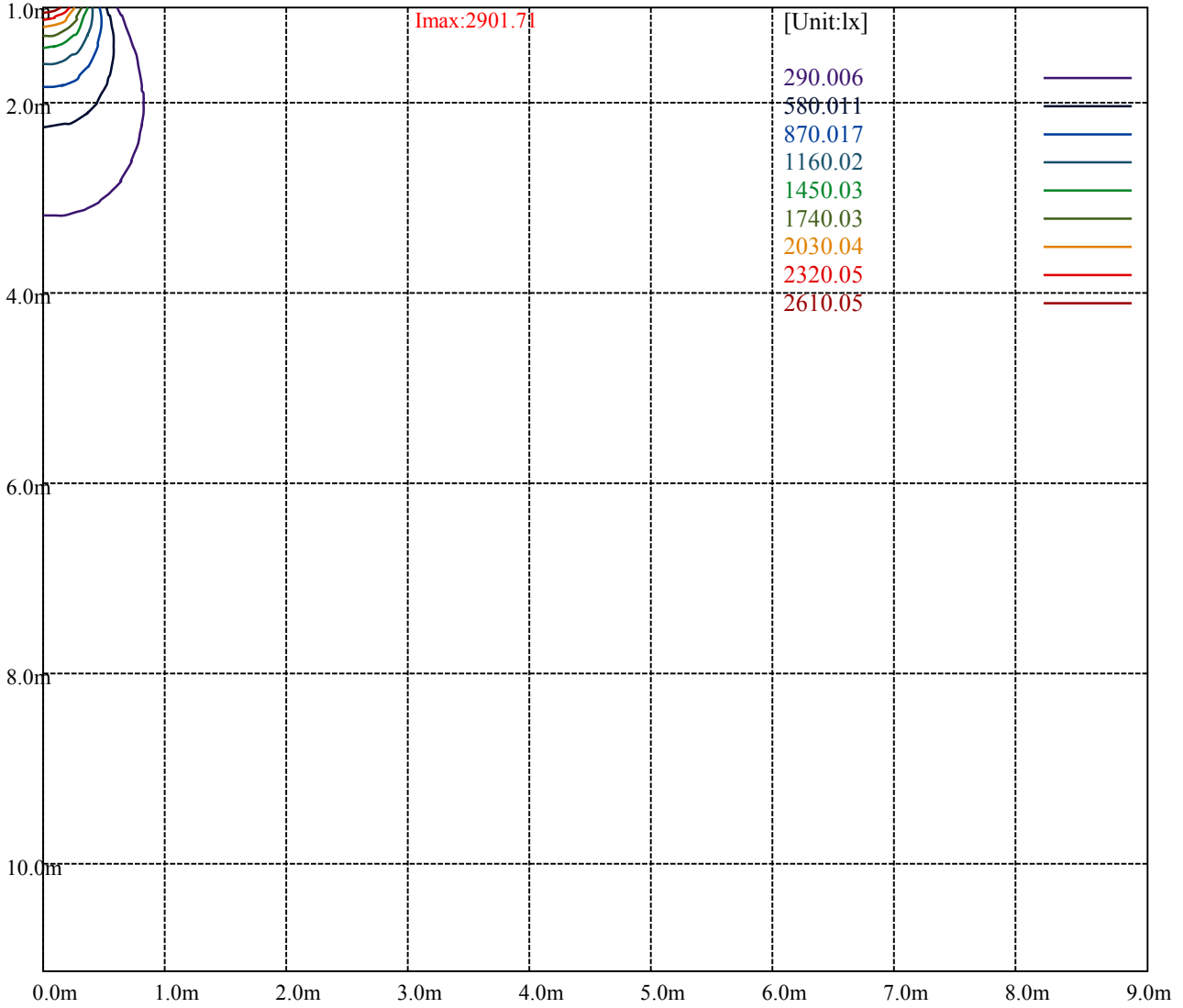
House

[Unit:cd]

Road

Imax:2901.71

(10%Imax) 290.171	—
(20%Imax) 580.343	—
(30%Imax) 870.514	—
(40%Imax) 1160.69	—
(50%Imax) 1450.86	—
(60%Imax) 1741.03	—
(70%Imax) 2031.2	—
(80%Imax) 2321.37	—
(90%Imax) 2611.54	—



Luminance Table

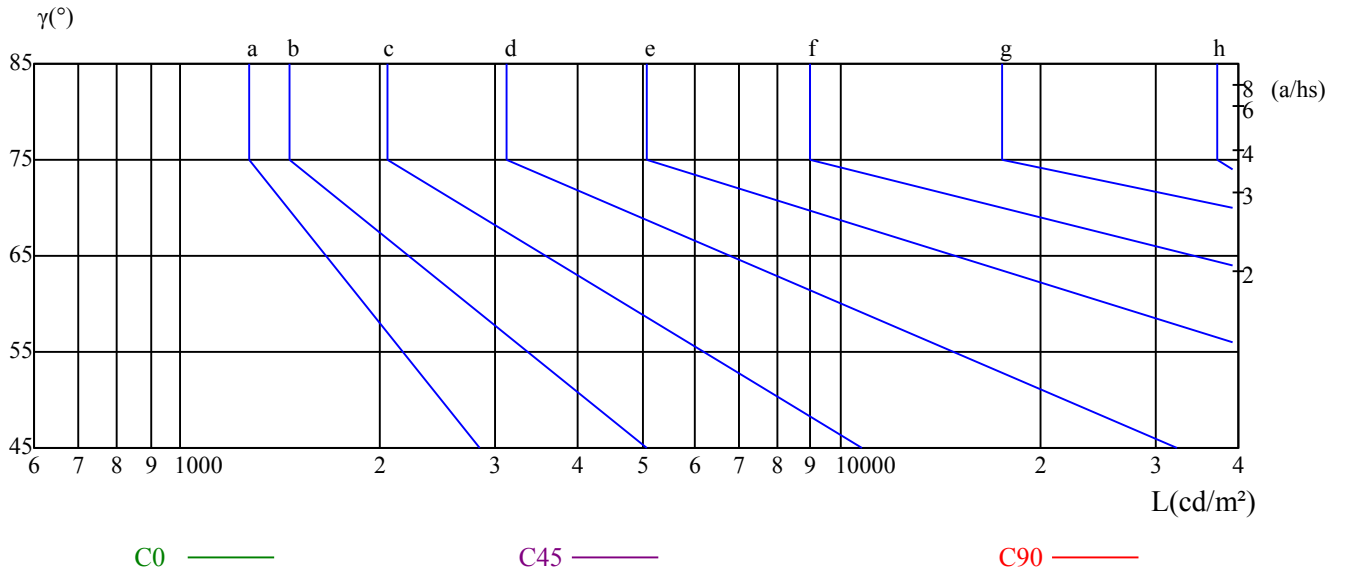
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

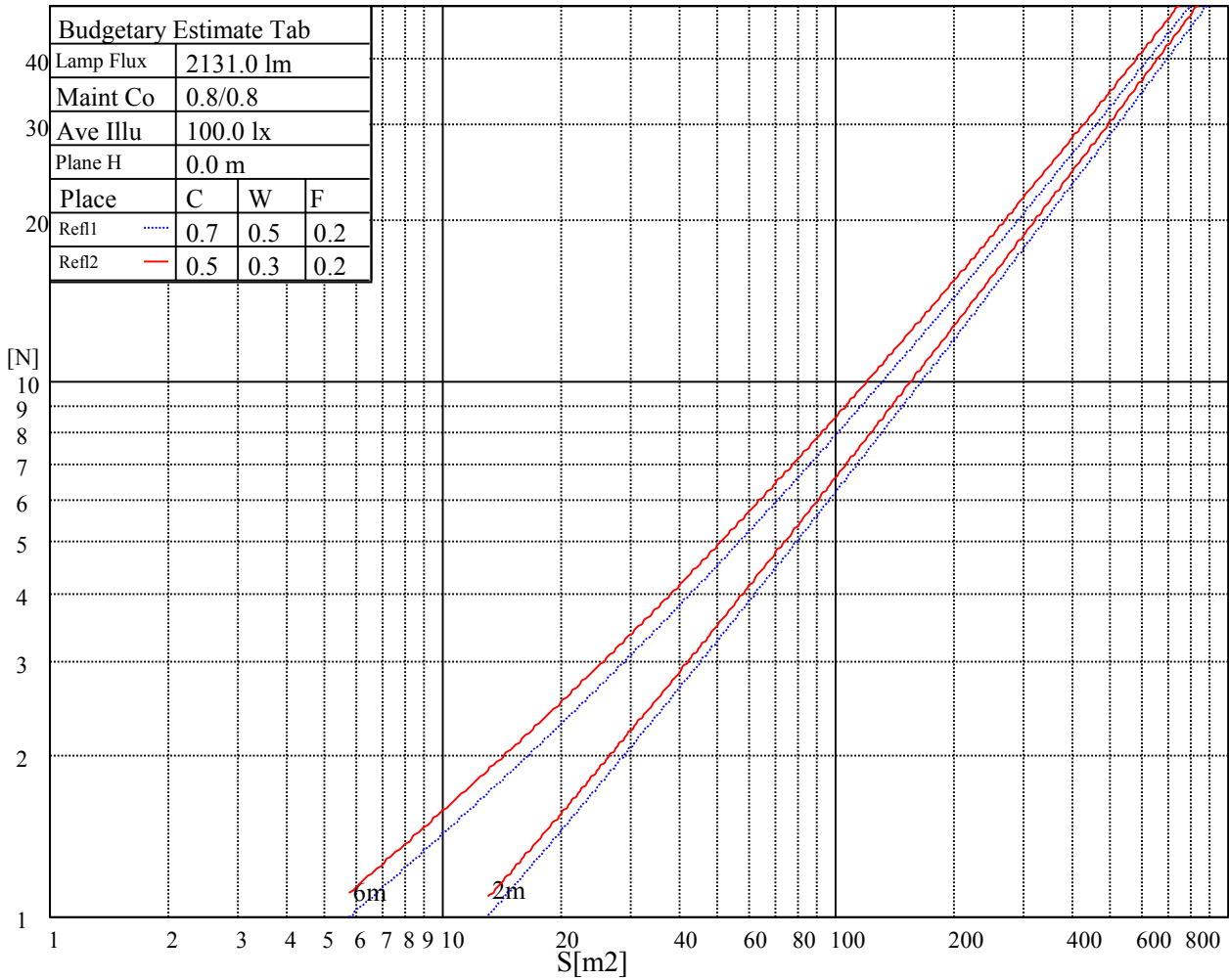
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

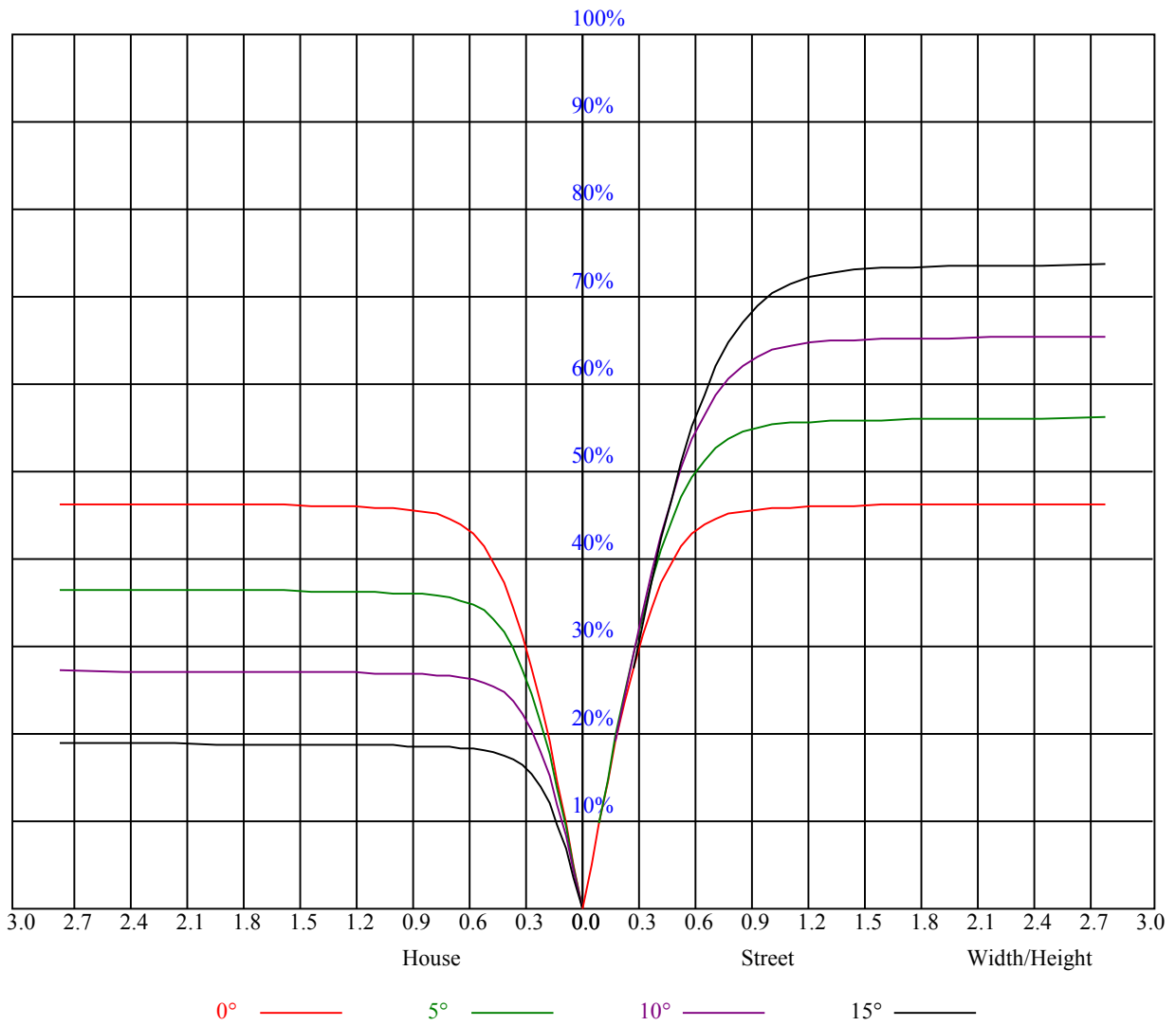


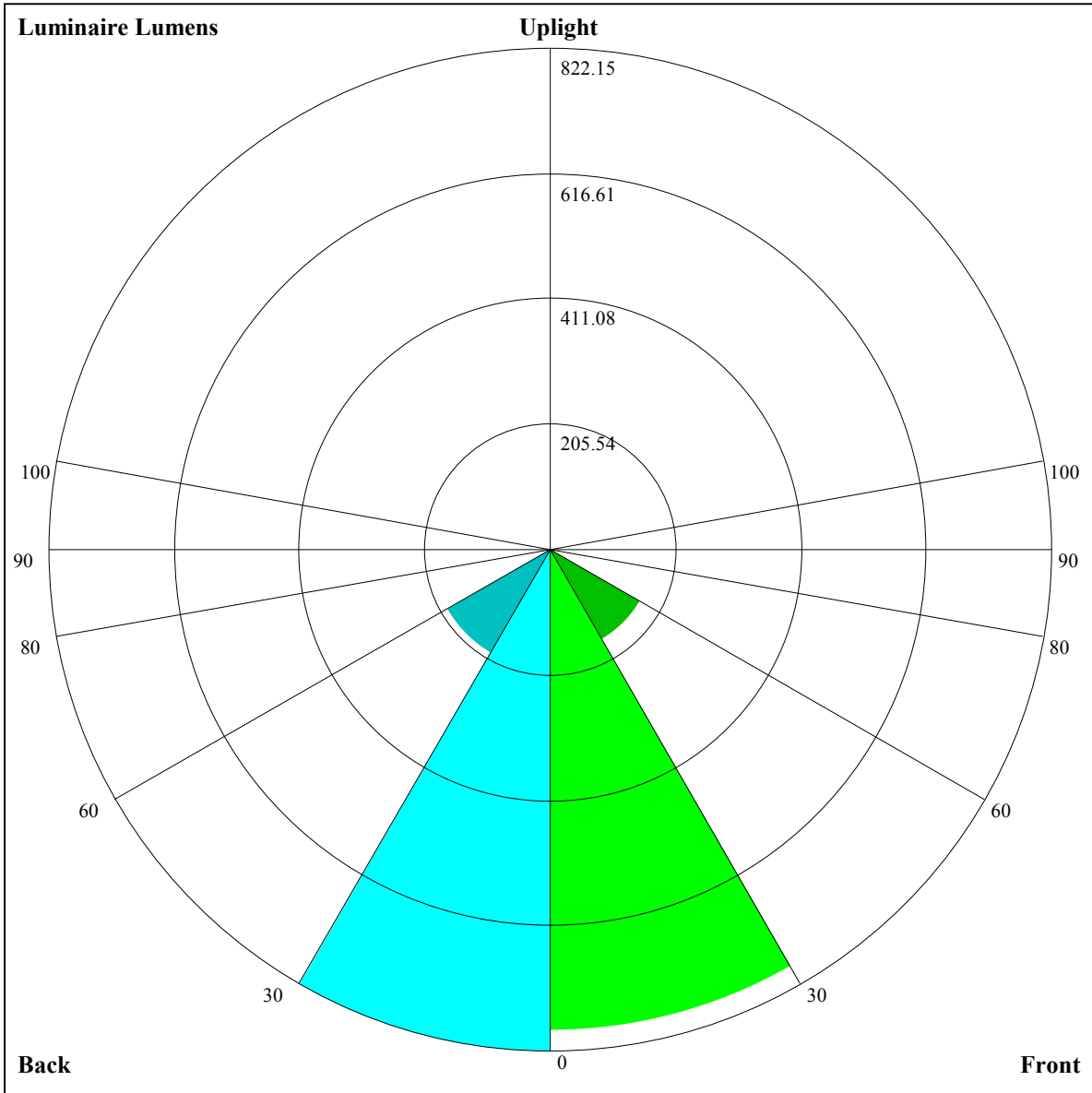
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	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	
	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	
8H	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	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	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	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.03	1.01	0.99	1.01	0.99	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.87
2	0.97	0.93	0.90	0.95	0.92	0.89	0.92	0.90	0.87	0.89	0.87	0.85	0.87	0.85	0.84	0.82
3	0.91	0.86	0.83	0.90	0.86	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.77
4	0.85	0.81	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.77	0.75	0.79	0.76	0.74	0.73
5	0.81	0.76	0.72	0.80	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.68
6	0.76	0.71	0.67	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.65
7	0.72	0.67	0.63	0.72	0.67	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.61
8	0.69	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	0.57	0.54	0.60	0.56	0.53	0.60	0.56	0.53	0.52





Luminaire Lumens:

FL=790.16,FM=169.64,FH=8.28,FVH=1.24

BL=822.15,BM=194.75,BH=8.59,BVH=1.34

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	2900.35	2909.23	2901.45	2904.24	2890.31	2865.23	2835.12	2803.37	2761.58
45.0	2895.30	2900.35	2897.56	2896.98	2896.40	2874.70	2873.59	2867.44	2836.27
90.0	2904.24	2896.40	2881.95	2883.05	2862.45	2851.83	2842.37	2816.77	2787.76
135.0	2900.35	2901.98	2893.09	2878.06	2873.59	2859.08	2839.58	2828.44	2806.73
180.0	2900.35	2892.51	2890.31	2890.83	2881.37	2862.97	2852.99	2834.01	2807.26
225.0	2895.30	2899.77	2900.87	2895.88	2887.52	2883.63	2867.44	2856.88	2838.48
270.0	2904.24	2900.87	2903.66	2916.48	2929.83	2921.48	2923.74	2913.12	2899.77
315.0	2900.35	2912.59	2927.63	2925.42	2920.95	2904.76	2881.37	2867.44	2830.70
360.0	2900.35	2909.23	2901.45	2904.24	2890.31	2865.23	2835.12	2803.37	2761.58
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2706.44	2641.27	2573.25	2496.93	2420.03	2334.25	2241.74	2147.02	2047.89
45.0	2792.23	2750.44	2695.83	2638.48	2562.68	2485.26	2407.78	2314.75	2212.78
90.0	2743.18	2690.83	2631.75	2563.26	2483.00	2400.00	2315.85	2222.24	2128.68
135.0	2773.30	2732.04	2682.47	2627.34	2568.26	2504.18	2429.54	2357.64	2271.28
180.0	2782.76	2753.80	2708.65	2655.19	2597.80	2543.76	2476.32	2403.32	2333.67
225.0	2808.94	2767.73	2722.05	2667.44	2602.26	2533.14	2470.17	2401.69	2318.11
270.0	2889.73	2864.66	2827.34	2787.23	2746.55	2686.36	2616.19	2543.18	2474.64
315.0	2798.37	2747.13	2688.05	2615.04	2543.18	2493.62	2375.46	2283.53	2231.17
360.0	2706.44	2641.27	2573.25	2496.93	2420.03	2334.25	2241.74	2147.02	2047.89
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1948.12	1847.31	1753.70	1697.40	1604.37	1471.75	1410.46	1308.49	1080.05
45.0	2118.64	2064.02	1968.20	1828.33	1769.31	1670.12	1560.90	1446.68	1334.14
90.0	2045.63	1952.01	1852.88	1753.70	1689.04	1534.14	1470.07	1355.32	1087.57
135.0	2181.03	2086.89	2009.99	1925.84	1838.37	1738.66	1656.19	1527.47	1422.18
180.0	2256.25	2168.20	2103.03	1987.13	1912.49	1814.98	1716.38	1614.40	1508.54
225.0	2215.04	2112.49	2012.20	1914.69	1833.38	1707.44	1611.62	1496.82	1358.64
270.0	2389.96	2334.83	2211.67	2127.52	2071.80	1938.66	1875.69	1764.84	1647.83
315.0	2134.77	2001.05	1946.44	1851.72	1756.48	1657.30	1551.43	1440.58	1329.67
360.0	1948.12	1847.31	1753.70	1697.40	1604.37	1471.75	1410.46	1308.49	1080.05
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1080.05	973.04	863.76	750.17	641.89	540.18	449.36	373.77	309.86
45.0	1227.70	1120.21	1009.31	895.67	774.77	654.98	544.07	449.94	374.72
90.0	1087.57	1015.98	891.57	762.79	640.74	531.93	441.74	367.78	306.33
135.0	1335.25	1194.85	1101.24	980.34	855.56	730.20	611.51	508.44	422.60
180.0	1401.58	1298.50	1186.49	1063.34	946.34	829.33	714.59	605.94	510.64
225.0	1238.85	1108.18	1063.92	953.12	833.38	709.44	594.95	493.77	409.15
270.0	1528.04	1408.78	1291.25	1168.10	1042.21	915.69	788.70	669.44	558.58
315.0	1066.81	1066.81	972.83	855.24	734.46	665.91	522.42	438.27	393.80
360.0	1080.05	973.04	863.76	750.17	641.89	540.18	449.36	373.77	309.86
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	256.72	210.93	172.56	152.75	113.48	99.76	80.53	65.28	53.46
45.0	312.85	290.57	290.57	182.97	149.91	122.00	98.66	79.42	63.92
90.0	254.56	211.56	174.67	149.01	121.26	97.98	78.95	64.07	52.40
135.0	353.54	296.72	286.68	236.64	172.67	154.43	117.27	104.13	85.36
180.0	429.86	360.79	303.97	293.93	293.93	191.49	158.79	130.93	108.07
225.0	340.08	283.52	236.11	211.56	161.73	143.44	116.90	95.61	77.90
270.0	464.97	391.43	329.57	297.24	297.24	197.48	162.21	132.30	107.75
315.0	329.62	274.74	227.91	188.49	154.48	125.52	101.81	82.68	67.12
360.0	256.72	210.93	172.56	152.75	113.48	99.76	80.53	65.28	53.46

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	44.21	37.42	32.43	28.44	25.39	22.92	20.92	19.13	17.71
45.0	52.19	43.52	36.85	31.80	28.12	25.07	22.60	20.60	18.92
90.0	43.73	37.27	32.48	28.70	25.55	23.07	20.97	19.24	17.82
135.0	70.01	57.77	48.36	40.84	35.11	30.59	27.17	24.49	22.34
180.0	88.67	72.96	60.55	50.46	42.68	36.48	31.64	28.07	25.23
225.0	63.76	52.77	44.15	37.69	32.64	28.86	25.76	23.39	21.34
270.0	87.36	70.85	57.82	47.99	40.53	34.80	30.49	27.23	24.55
315.0	55.09	45.89	38.95	33.59	29.65	26.49	24.97	21.87	20.76
360.0	44.21	37.42	32.43	28.44	25.39	22.92	20.92	19.13	17.71
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	16.40	15.35	14.35	13.46	12.72	12.09	11.72	10.88	10.67
45.0	17.50	16.71	15.09	14.19	13.61	12.88	12.14	11.51	11.04
90.0	16.45	15.30	14.40	13.51	12.72	11.98	11.62	11.04	10.46
135.0	20.50	18.92	17.66	16.40	15.40	14.45	13.61	12.88	12.30
180.0	22.86	20.81	19.24	17.87	16.87	15.51	14.51	13.82	12.98
225.0	19.55	18.03	16.82	15.72	14.72	13.82	13.19	12.30	11.77
270.0	22.34	20.39	18.82	17.40	16.19	15.14	14.51	13.67	12.56
315.0	19.13	17.24	16.66	15.51	14.61	13.88	13.14	12.46	11.83
360.0	16.40	15.35	14.35	13.46	12.72	12.09	11.72	10.88	10.67
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.30	9.88	9.72	9.41	9.04	8.78	8.52	7.83	7.31
45.0	10.57	10.25	10.04	9.88	9.78	9.62	9.46	9.25	8.04
90.0	10.25	9.83	9.46	9.25	8.99	8.73	8.46	7.94	7.04
135.0	11.62	11.14	10.72	10.30	9.83	9.41	8.88	8.46	8.04
180.0	12.35	11.62	11.14	10.57	10.14	9.62	9.15	8.73	8.30
225.0	11.20	10.72	10.35	9.88	9.46	8.99	8.62	8.20	7.73
270.0	12.19	11.56	11.09	10.67	10.30	9.78	9.41	8.99	8.78
315.0	11.41	10.99	10.57	10.20	9.72	9.41	8.88	8.46	8.04
360.0	10.30	9.88	9.72	9.41	9.04	8.78	8.52	7.83	7.31
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.78	6.25	5.83	5.41	5.05	4.63	4.15	3.78	3.42
45.0	7.15	6.57	6.10	5.57	5.15	4.84	4.36	4.10	3.73
90.0	6.57	6.04	5.62	5.15	4.84	4.36	3.94	3.57	3.21
135.0	7.62	7.15	6.78	6.36	5.89	5.52	5.10	4.68	4.26
180.0	7.78	7.31	6.89	6.57	6.10	5.68	5.26	4.94	4.52
225.0	7.36	6.83	6.47	6.04	5.57	5.26	4.84	4.47	3.99
270.0	8.67	8.67	7.88	6.73	6.25	5.89	5.57	5.10	4.68
315.0	7.67	7.25	6.94	6.52	5.94	5.62	5.15	4.78	4.31
360.0	6.78	6.25	5.83	5.41	5.05	4.63	4.15	3.78	3.42
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.10	2.79	2.42	2.16	1.94	1.68	1.37	1.16	1.00
45.0	3.26	2.94	2.52	2.26	1.89	1.73	1.42	1.10	0.95
90.0	2.89	2.52	2.21	1.89	1.79	1.42	1.21	1.00	0.95
135.0	3.84	3.47	3.05	2.68	2.37	2.16	1.89	1.58	1.26
180.0	4.05	3.73	3.42	3.00	2.52	2.26	1.94	1.68	1.37
225.0	3.73	3.36	3.00	2.63	2.31	2.00	1.79	1.52	1.31
270.0	4.52	3.94	3.47	3.10	2.79	2.47	2.16	1.94	1.58
315.0	3.99	3.63	3.21	2.89	2.63	2.31	2.00	1.68	1.37
360.0	3.10	2.79	2.42	2.16	1.94	1.68	1.37	1.16	1.00

Intensity data(cd)

C/γ(°)	90.0
0.0	0.95
45.0	0.89
90.0	0.89
135.0	0.95
180.0	1.10
225.0	1.21
270.0	1.37
315.0	1.21
360.0	0.95