



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: 2-2748-L

Luminaire: 92.70.412.00

Report No: 2024827-B003

Ballast type: AC

Test No: 2024827-C003

Voltage(V): 34.930

LampCAT: Fortimo_SLM_C_1210

Current(A): 0.715

Lamp flux(lm): 4003.0

Power (W): 24.970

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3733.67, Efficiency(%): 93.27% , Luminous Efficacy(lm/W): 149.53

Central intensity(cd): 18661.340, Maximum intensity(cd): 18661.340

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.0

[C90/270]Total=18.0

Field angle(10%Imax): [C0/180]Total=48.8

[C90/270]Total=48.8

Maximum s/h(1/2): C0_180=0.31 C90_270=0.31

Maximum s/h(1/4): C0_180=0.35 C90_270=0.35

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.27%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.209%

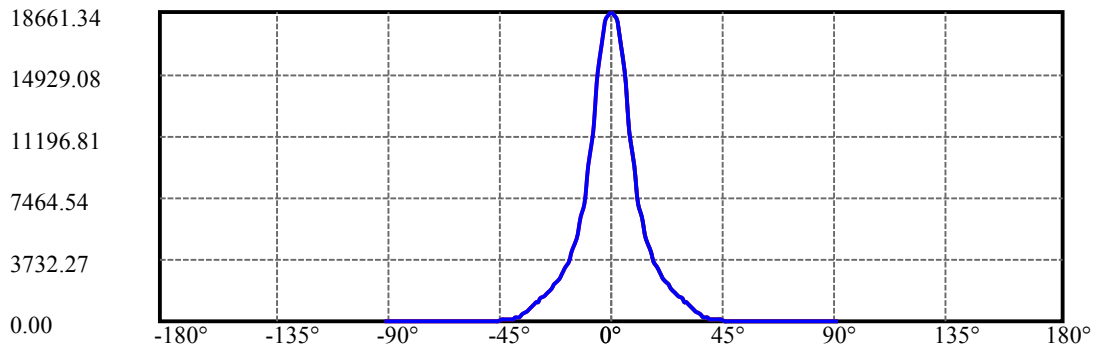
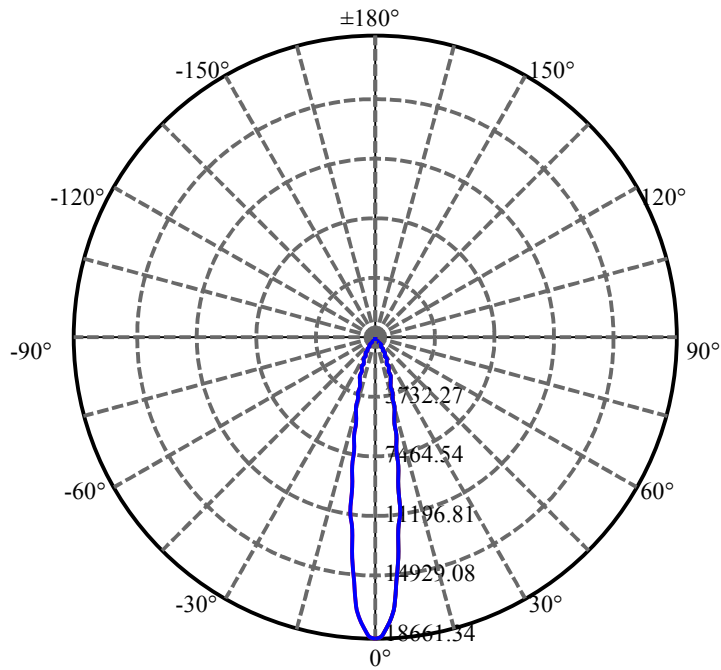
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	18661.344	0.000	0	0.00%	0.00%
1.0	18524.838	17.793	17.793	0.44%	0.48%
2.0	18153.629	52.644	70.437	1.32%	1.89%
3.0	17485.730	85.238	155.675	2.13%	4.17%
4.0	16656.951	114.286	269.961	2.86%	7.23%
5.0	15100.346	136.618	406.58	3.41%	10.89%
6.0	13693.891	151.321	557.901	3.78%	14.94%
7.0	11976.221	159.334	717.235	3.98%	19.21%
8.0	10905.148	163.758	880.993	4.09%	23.60%
9.0	9332.840	164.018	1045.01	4.10%	27.99%
10.0	8138.495	158.109	1203.12	3.95%	32.22%
11.0	7096.798	152.232	1355.351	3.80%	36.30%
12.0	6230.700	145.689	1501.04	3.64%	40.20%
13.0	5518.018	139.428	1640.468	3.48%	43.94%
14.0	4956.190	134.069	1774.537	3.35%	47.53%
15.0	4441.505	129.016	1903.552	3.22%	50.98%
16.0	4018.206	123.958	2027.511	3.10%	54.30%
17.0	3609.178	118.779	2146.29	2.97%	57.48%
18.0	3267.219	113.377	2259.667	2.83%	60.52%
19.0	2982.363	108.730	2368.397	2.72%	63.43%
20.0	2730.734	104.566	2472.962	2.61%	66.23%
21.0	2591.587	102.199	2575.161	2.55%	68.97%
22.0	2346.994	99.243	2674.404	2.48%	71.63%
23.0	2148.052	94.318	2768.723	2.36%	74.16%
24.0	1925.778	89.069	2857.791	2.23%	76.54%
25.0	1778.833	84.235	2942.026	2.10%	78.80%
26.0	1648.321	80.898	3022.924	2.02%	80.96%
27.0	1498.544	76.989	3099.913	1.92%	83.03%
28.0	1367.183	72.554	3172.467	1.81%	84.97%
29.0	1214.562	67.546	3240.013	1.69%	86.78%
30.0	1128.957	63.275	3303.287	1.58%	88.47%
31.0	1006.138	59.417	3362.704	1.48%	90.06%
32.0	861.467	53.505	3416.209	1.34%	91.50%
33.0	728.418	46.839	3463.047	1.17%	92.75%
34.0	607.018	40.414	3503.461	1.01%	93.83%
35.0	486.335	33.955	3537.417	0.85%	94.74%
36.0	383.351	27.691	3565.108	0.69%	95.49%
37.0	285.000	21.798	3586.906	0.54%	96.07%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	230.703	17.213	3604.119	0.43%	96.53%
39.0	170.887	13.707	3617.827	0.34%	96.90%
40.0	122.293	10.225	3628.052	0.26%	97.17%
41.0	89.396	7.538	3635.59	0.19%	97.37%
42.0	75.854	6.004	3641.594	0.15%	97.53%
43.0	68.811	5.359	3646.953	0.13%	97.68%
44.0	61.761	4.928	3651.881	0.12%	97.81%
45.0	56.301	4.537	3656.418	0.11%	97.93%
46.0	51.708	4.224	3660.642	0.11%	98.04%
47.0	47.254	3.936	3664.578	0.10%	98.15%
48.0	43.666	3.675	3668.253	0.09%	98.25%
49.0	40.559	3.459	3671.712	0.09%	98.34%
50.0	37.858	3.269	3674.982	0.08%	98.43%
51.0	35.756	3.114	3678.096	0.08%	98.51%
52.0	34.126	2.999	3681.095	0.07%	98.59%
53.0	32.911	2.916	3684.011	0.07%	98.67%
54.0	32.057	2.863	3686.874	0.07%	98.75%
55.0	31.629	2.843	3689.717	0.07%	98.82%
56.0	31.465	2.851	3692.568	0.07%	98.90%
57.0	31.406	2.875	3695.443	0.07%	98.98%
58.0	31.242	2.897	3698.34	0.07%	99.05%
59.0	30.880	2.904	3701.244	0.07%	99.13%
60.0	30.171	2.884	3704.128	0.07%	99.21%
61.0	28.995	2.824	3706.952	0.07%	99.28%
62.0	27.273	2.711	3709.663	0.07%	99.36%
63.0	24.954	2.540	3712.203	0.06%	99.42%
64.0	22.444	2.326	3714.529	0.06%	99.49%
65.0	19.185	2.060	3716.589	0.05%	99.54%
66.0	16.354	1.773	3718.363	0.04%	99.59%
67.0	13.903	1.521	3719.884	0.04%	99.63%
68.0	11.958	1.310	3721.194	0.03%	99.67%
69.0	10.519	1.147	3722.341	0.03%	99.70%
70.0	9.626	1.035	3723.375	0.03%	99.72%
71.0	8.831	0.954	3724.329	0.02%	99.75%
72.0	8.226	0.887	3725.216	0.02%	99.77%
73.0	7.687	0.832	3726.048	0.02%	99.80%
74.0	7.227	0.784	3726.832	0.02%	99.82%
75.0	6.800	0.741	3727.573	0.02%	99.84%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.432	0.702	3728.276	0.02%	99.86%
77.0	6.025	0.664	3728.94	0.02%	99.87%
78.0	5.598	0.622	3729.562	0.02%	99.89%
79.0	5.177	0.579	3730.141	0.01%	99.91%
80.0	4.770	0.536	3730.677	0.01%	99.92%
81.0	4.284	0.490	3731.167	0.01%	99.93%
82.0	3.850	0.441	3731.608	0.01%	99.94%
83.0	3.397	0.394	3732.002	0.01%	99.96%
84.0	3.035	0.350	3732.353	0.01%	99.96%
85.0	2.668	0.311	3732.664	0.01%	99.97%
86.0	2.332	0.273	3732.937	0.01%	99.98%
87.0	1.984	0.236	3733.173	0.01%	99.99%
88.0	1.656	0.199	3733.373	0.00%	99.99%
89.0	1.367	0.166	3733.538	0.00%	100.00%
90.0	1.117	0.136	3733.675	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	3303.29	82.52%	88.47%
0-40	3628.05	90.63%	97.17%
0-60	3704.13	92.53%	99.21%
0-90	3733.54	93.27%	100.00%
0-120	3733.54	93.27%	100.00%
0-180	3733.67	93.27%	100.00%
60-90	29.41	0.73%	0.79%
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%
0-25.56	2986.94	74.62%	80.00%

ZONAL LUMEN SUMMARY	
0-10	1203.12
10-20	1269.84
20-30	830.33
30-40	324.76
40-50	46.93
50-60	29.15
60-70	19.25
70-80	7.30
80-90	2.86
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:

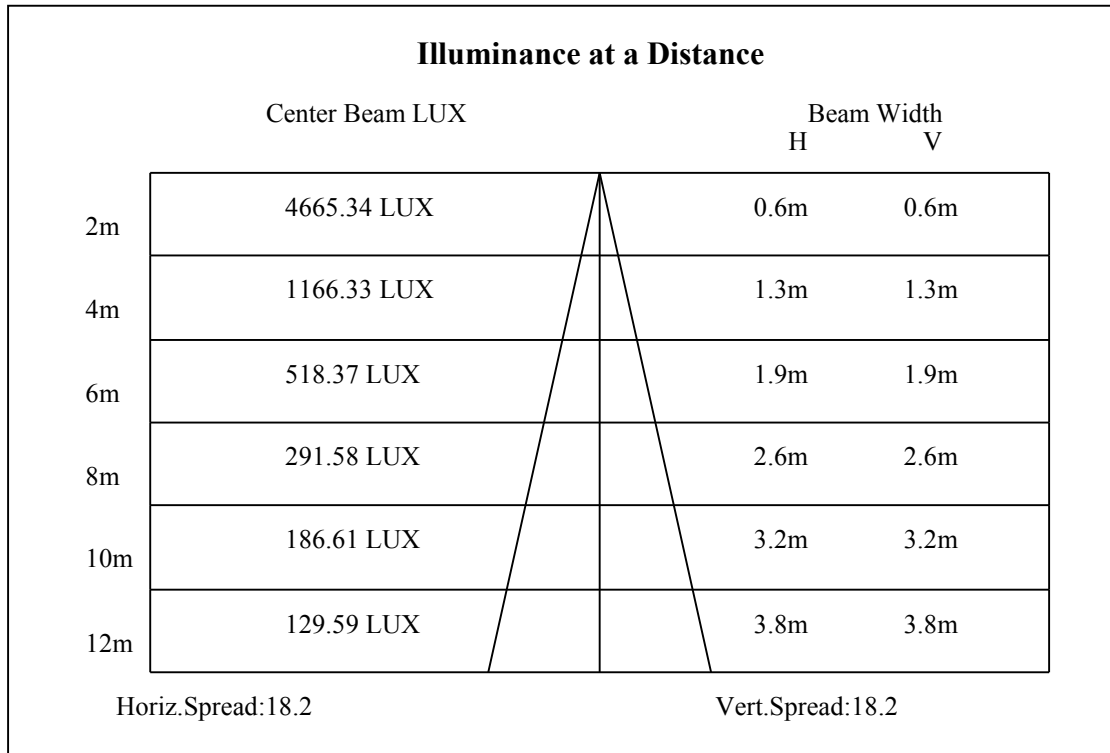
C90/C270:

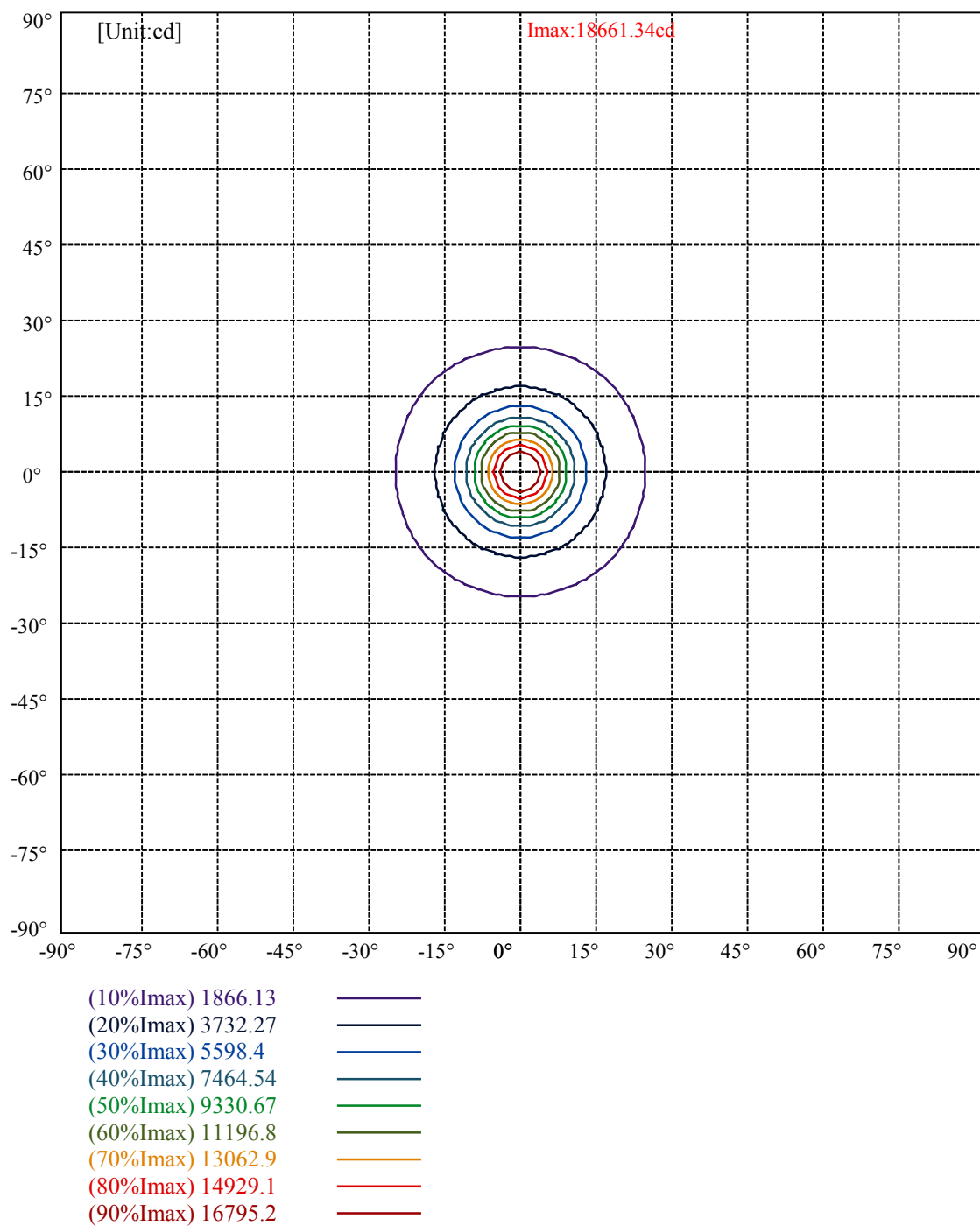
Field angle(10%Imax):C0/180Left:24.4 Right:24.4

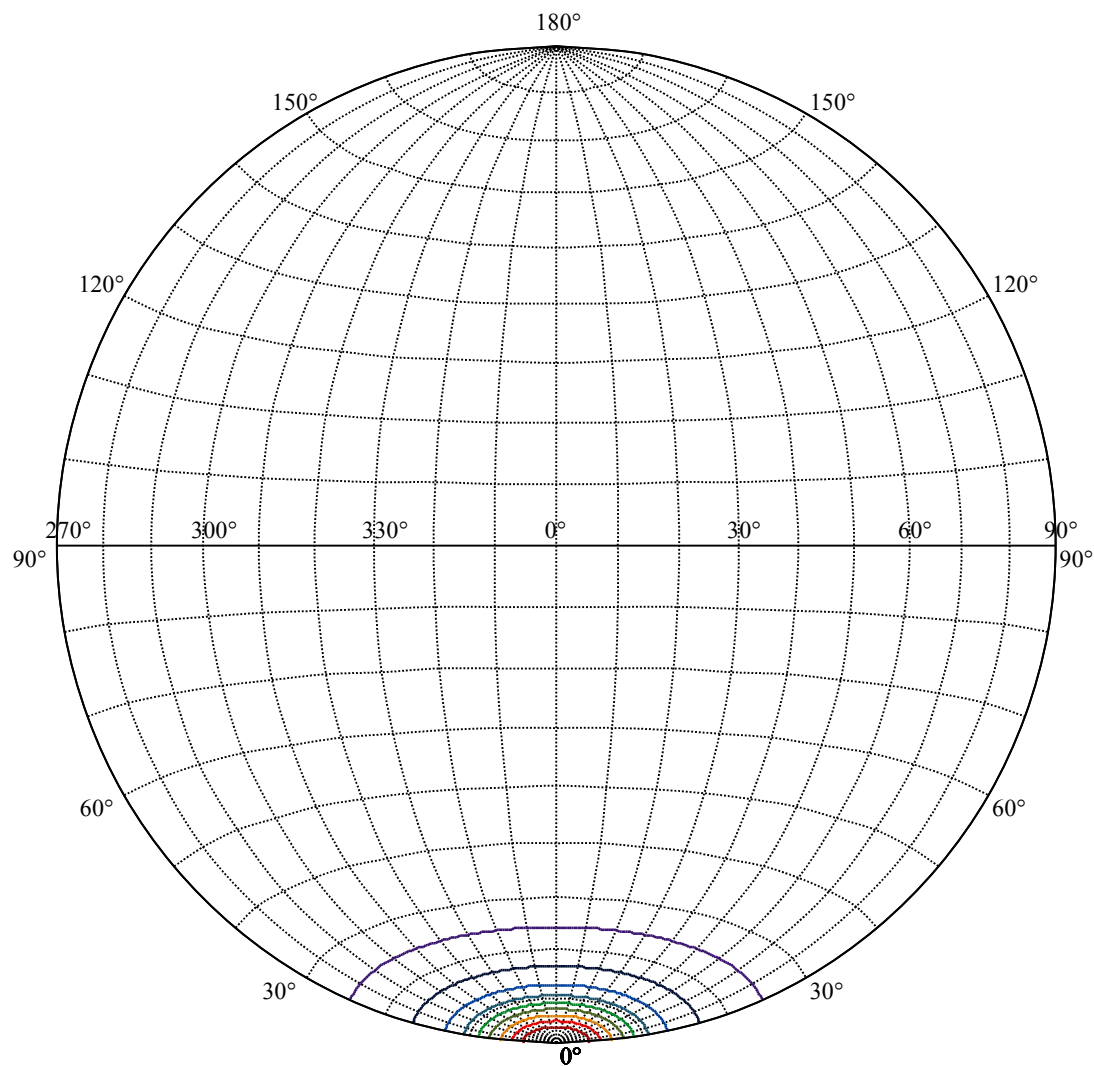
:C90/270Left:24.4 Right:24.4

Beam Angle(50%Imax):C0/180Left:9.0 Right:9.0

:C90/270Left:9.0 Right:9.0





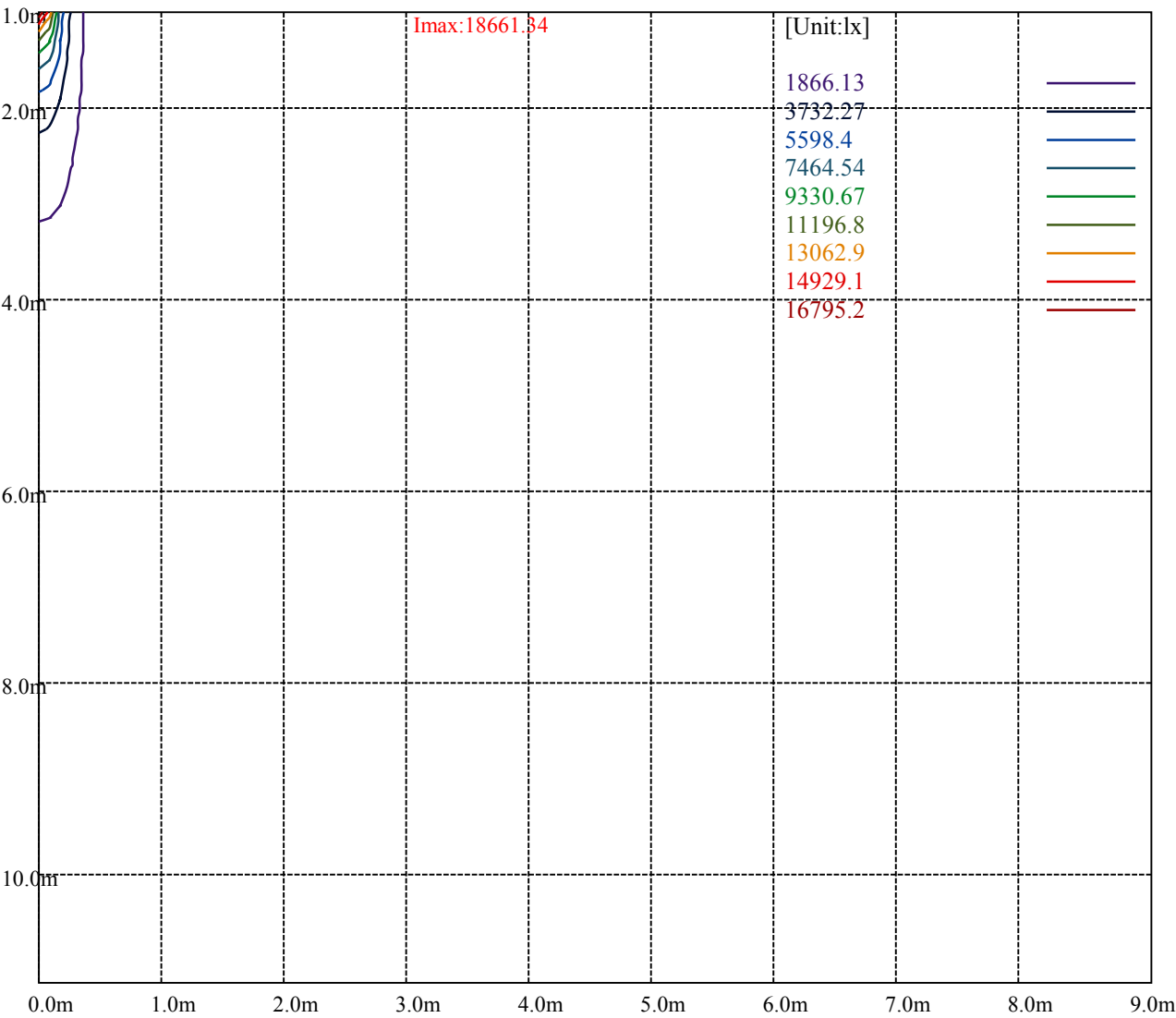


House

[Unit:cd]

Road

Imax:18661.34	
(10%Imax) 1866.13	—
(20%Imax) 3732.27	—
(30%Imax) 5598.4	—
(40%Imax) 7464.54	—
(50%Imax) 9330.67	—
(60%Imax) 11196.8	—
(70%Imax) 13062.9	—
(80%Imax) 14929.1	—
(90%Imax) 16795.2	—



Luminance Table

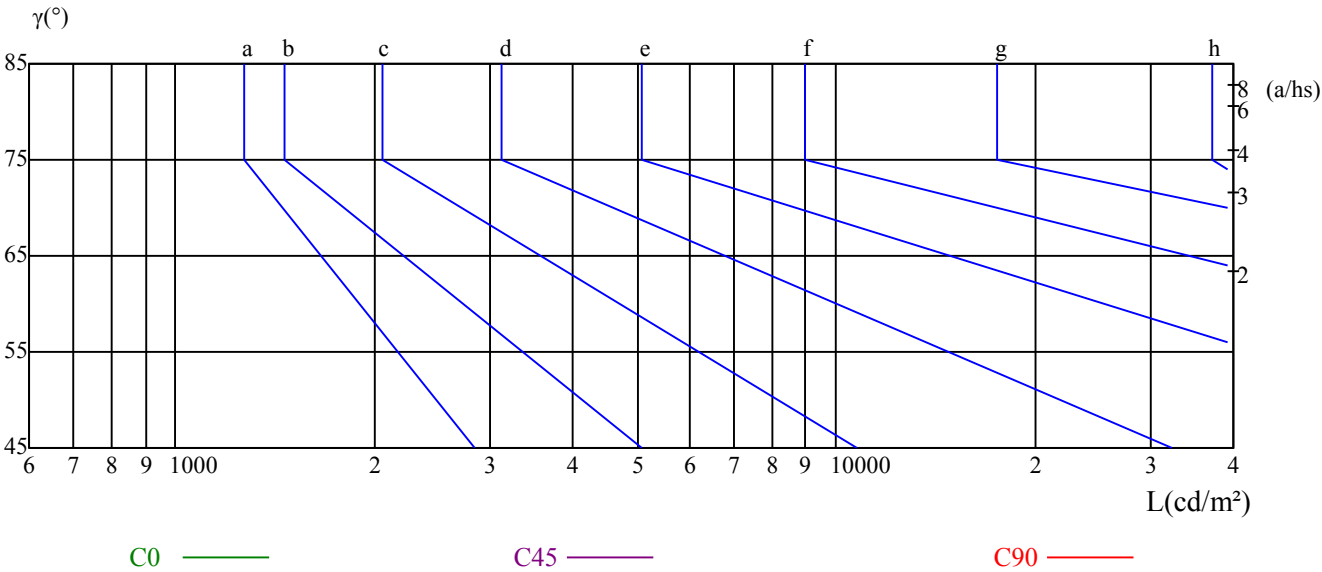
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

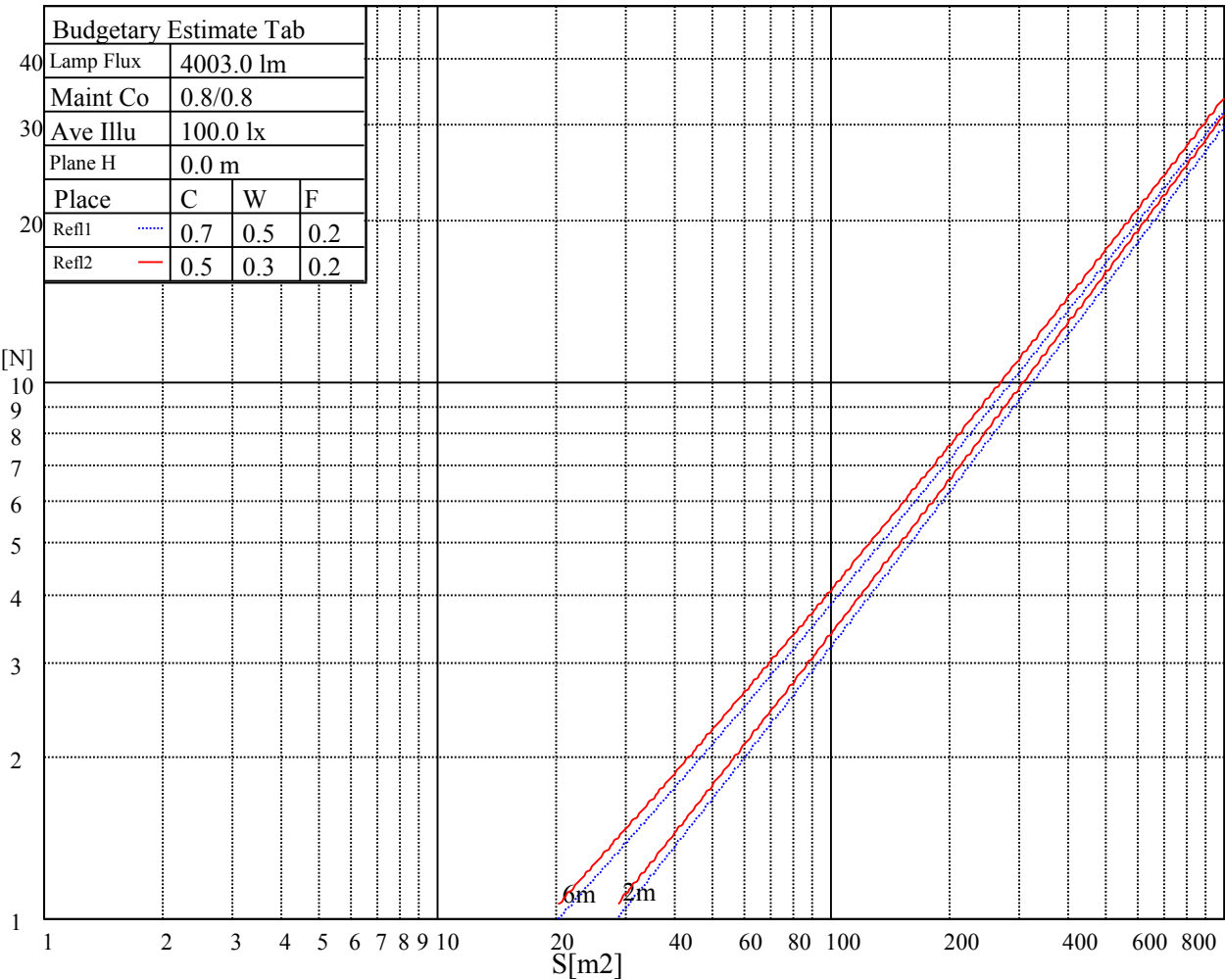
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

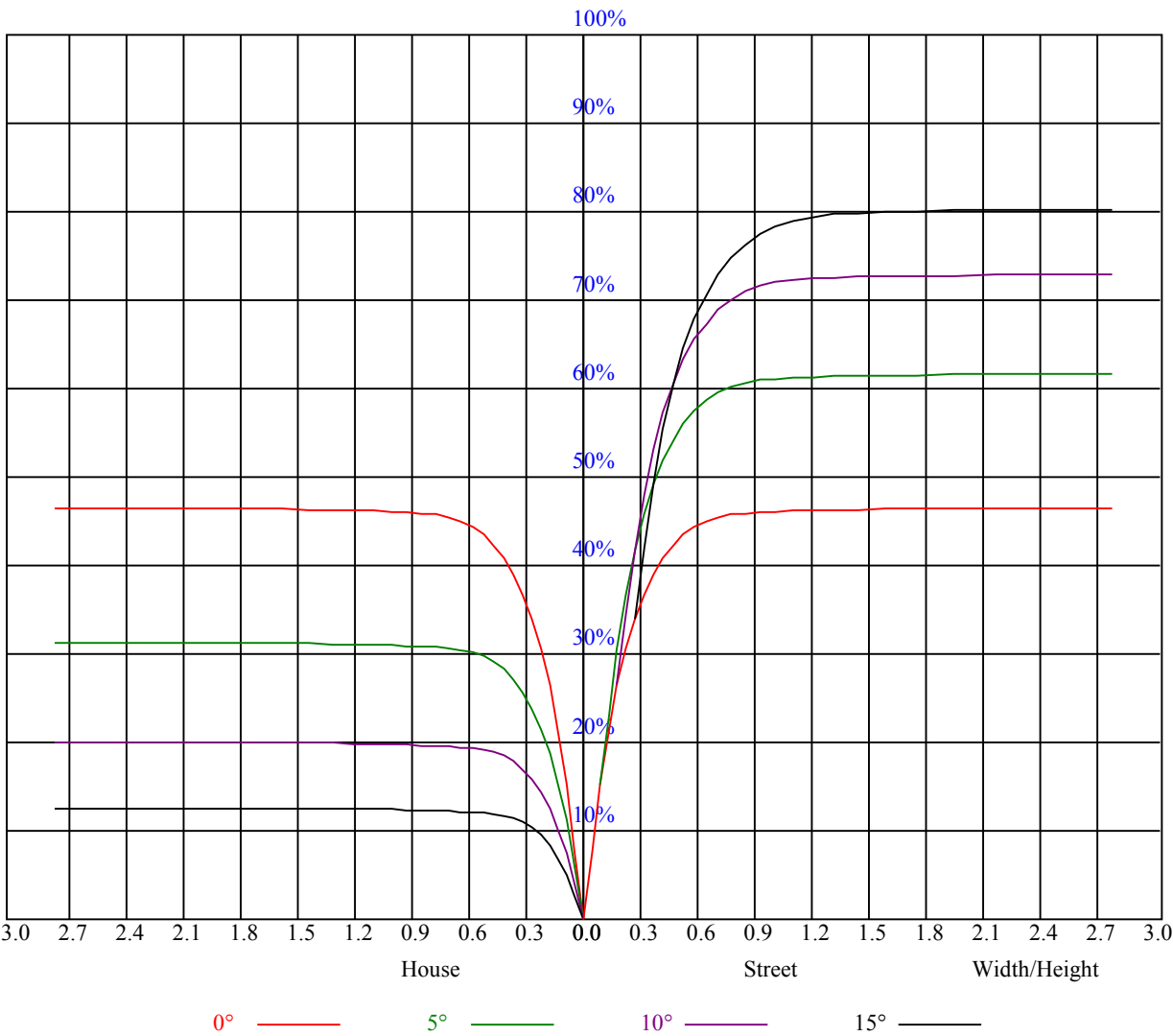


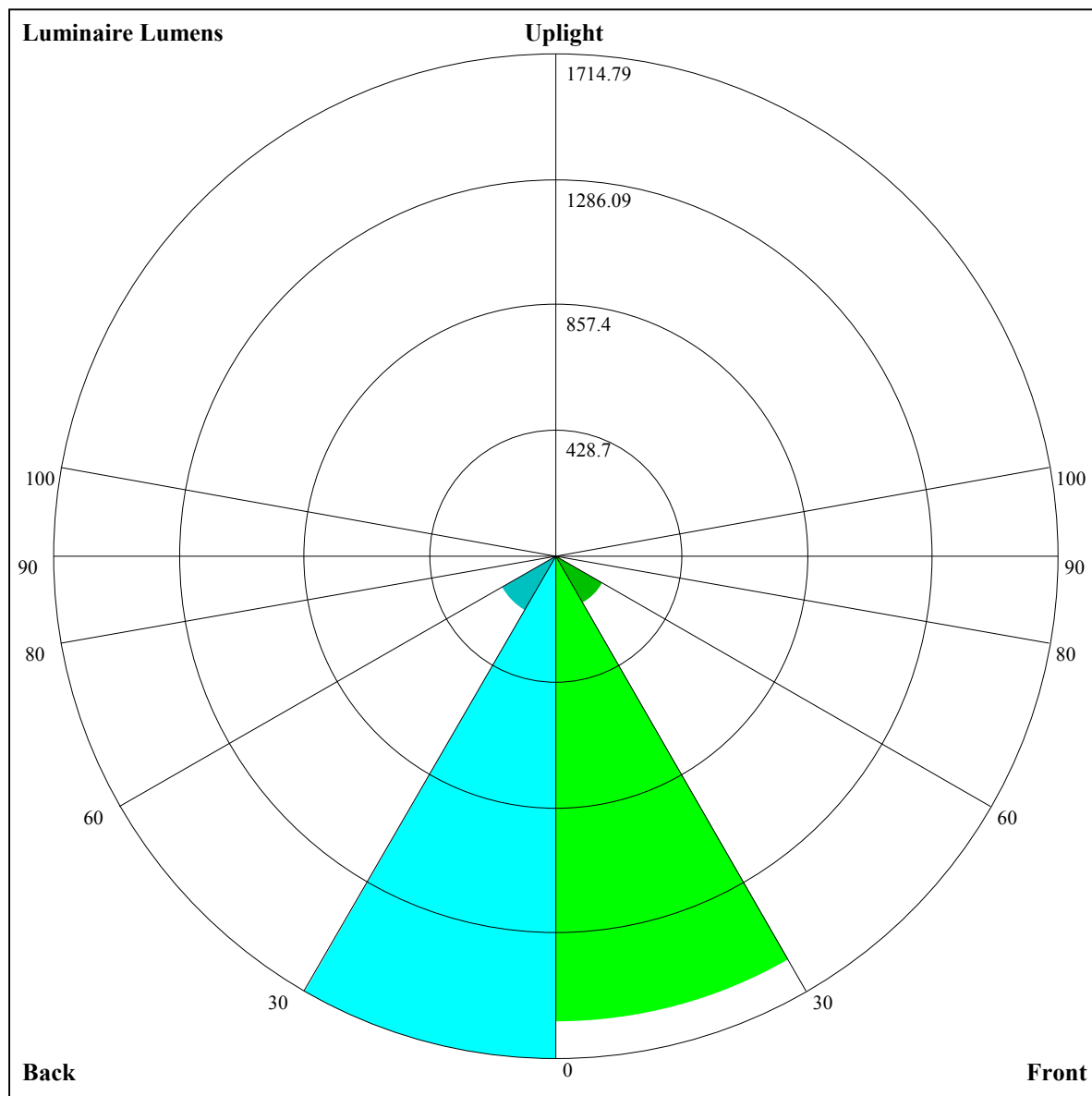
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.11	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	1.05	1.03	1.01	1.03	1.01	0.99	0.99	0.98	0.96	0.96	0.95	0.94	0.92	0.92	0.91	0.89
2	0.99	0.96	0.94	0.98	0.95	0.93	0.95	0.92	0.91	0.92	0.90	0.89	0.89	0.88	0.87	0.85
3	0.94	0.91	0.88	0.93	0.90	0.87	0.91	0.88	0.86	0.89	0.86	0.84	0.87	0.85	0.83	0.82
4	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.83	0.81	0.84	0.82	0.80	0.78
5	0.86	0.82	0.79	0.85	0.81	0.78	0.84	0.80	0.78	0.82	0.79	0.77	0.81	0.79	0.77	0.75
6	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.76	0.74	0.78	0.76	0.74	0.73
7	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
8	0.77	0.72	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.74	0.71	0.69	0.68
9	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.72	0.69	0.66	0.65
10	0.72	0.68	0.65	0.71	0.67	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63





Luminaire Lumens:

FL=1593.18,FM=186.47,FH=12.57,FVH=1.46

BL=1714.79,BM=217.23,BH=13.97,BVH=1.56

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	18439.87	17893.85	17074.82	15971.64	14562.02	10572.47	10572.47	9658.15	8290.89
45.0	18768.60	18701.74	18367.44	17838.14	16991.25	15821.21	14394.87	12767.96	11107.61
90.0	18673.88	18317.30	17687.70	16779.53	15570.48	14043.86	10692.79	10692.79	9753.97
135.0	18763.03	18651.59	18478.87	17709.99	17202.97	16099.79	14088.43	13107.83	11408.48
180.0	18439.87	18707.31	18735.17	18517.87	18038.71	17286.54	16467.52	14868.46	13263.83
225.0	18768.60	18562.45	18088.86	17331.12	16757.24	15007.75	14105.15	10637.07	10637.07
270.0	18673.88	18763.03	18607.02	18205.86	17520.55	16578.95	15347.62	13860.00	12561.81
315.0	18763.03	18601.45	18189.15	17531.70	16612.38	15392.19	13882.28	10217.52	10217.52
360.0	18439.87	17893.85	17074.82	15971.64	14562.02	10572.47	10572.47	9658.15	8290.89
C/ γ (°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7184.35	6625.50	5857.72	5223.71	4687.16	4223.03	3817.40	3449.15	3133.20
45.0	9430.55	8087.79	7045.90	6232.44	5508.13	4939.82	4443.95	4176.51	3624.92
90.0	7881.90	7225.03	6311.81	5580.82	4980.19	4468.76	4020.24	3629.65	3294.78
135.0	9787.14	8383.09	7229.76	6321.59	5580.56	4973.25	4443.95	3981.50	3602.63
180.0	11932.21	10004.43	8856.68	7630.92	6655.88	5870.29	5212.83	4666.81	4182.08
225.0	9091.53	7852.94	6816.62	6031.02	5379.14	4838.69	4336.67	3904.87	3529.94
270.0	10611.74	9391.55	8082.22	7029.18	6182.30	5502.56	4917.54	4421.66	3970.36
315.0	8743.30	7537.62	6573.68	5795.91	5170.78	4833.12	4339.45	3915.49	3535.51
360.0	7184.35	6625.50	5857.72	5223.71	4687.16	4223.03	3817.40	3449.15	3133.20
C/ γ (°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2852.41	2602.79	2372.67	2176.56	1992.17	1818.87	1668.44	1539.71	1419.40
45.0	3279.48	3101.19	2805.89	2805.89	2338.14	2153.75	1974.30	1806.05	1669.02
90.0	2992.28	2732.04	2502.50	2293.56	2104.13	1929.73	1768.73	1630.02	1507.44
135.0	3251.62	2939.61	2828.18	2828.18	2306.97	2120.32	1949.81	1799.95	1657.30
180.0	3764.21	3407.63	3078.90	2800.32	2800.32	2744.60	2150.96	1967.62	1869.60
225.0	3200.06	2916.48	2650.15	2507.55	2214.46	2100.24	1923.63	1770.41	1638.90
270.0	3591.49	3251.62	2950.75	2889.47	2789.18	2262.92	2082.42	1975.46	1813.88
315.0	3206.21	2907.55	2656.82	2431.17	2230.59	2053.98	1887.94	1741.45	1611.04
360.0	2852.41	2602.79	2372.67	2176.56	1992.17	1818.87	1668.44	1539.71	1419.40
C/ γ (°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1103.29	1103.29	993.64	912.27	777.71	644.73	522.79	409.46	303.55
45.0	1548.07	1426.65	1281.21	1141.34	1048.88	859.45	724.63	638.27	480.00
90.0	1382.60	1079.37	1079.37	990.75	848.41	713.12	587.18	471.64	366.83
135.0	1535.82	1406.57	1271.75	1129.67	987.60	848.83	715.11	588.65	476.69
180.0	1724.73	1600.48	1490.73	1382.60	1258.35	1123.00	986.49	851.09	721.26
225.0	1528.57	1405.47	1071.17	1071.17	982.08	841.95	709.33	583.08	487.15
270.0	1674.01	1546.97	1431.07	1306.28	1166.41	1024.92	883.94	748.54	613.19
315.0	1491.25	1368.67	1097.56	1097.56	979.66	835.74	697.87	565.41	442.00
360.0	1103.29	1103.29	993.64	912.27	777.71	644.73	522.79	409.46	303.55
C/ γ (°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	213.09	142.34	96.24	79.42	70.22	63.39	57.66	52.19	47.62
45.0	412.62	308.38	308.38	144.81	100.50	84.73	75.11	67.54	60.97
90.0	277.69	202.89	144.13	110.17	95.93	85.31	76.64	69.17	62.44
135.0	372.46	282.79	282.79	214.35	130.57	106.54	92.51	81.73	73.32
180.0	596.48	477.21	367.46	286.10	286.10	133.46	91.93	84.99	75.64
225.0	374.98	256.98	193.32	132.04	97.19	83.31	73.90	66.86	60.50
270.0	488.36	373.04	290.57	290.57	116.11	87.62	76.27	71.06	61.71
315.0	331.14	236.37	162.73	109.65	81.73	70.80	62.81	56.93	51.88
360.0	213.09	142.34	96.24	79.42	70.22	63.39	57.66	52.19	47.62

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	43.99	42.00	37.74	36.22	33.96	31.64	31.06	30.33	29.44
45.0	55.40	50.46	45.94	43.26	39.53	36.58	34.90	33.38	32.17
90.0	56.71	53.61	49.15	43.94	41.94	39.16	36.90	35.37	34.27
135.0	66.07	59.55	54.19	49.62	45.62	42.26	39.53	37.37	35.53
180.0	68.38	62.13	56.66	51.98	47.88	44.42	41.47	38.84	36.74
225.0	54.61	49.83	45.89	42.47	39.42	37.00	35.01	33.69	32.69
270.0	58.24	52.88	48.41	44.68	41.31	38.37	35.90	33.96	32.69
315.0	46.99	43.21	40.05	37.16	34.80	33.43	31.27	30.07	29.75
360.0	43.99	42.00	37.74	36.22	33.96	31.64	31.06	30.33	29.44
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.01	29.17	29.28	29.17	28.65	27.96	26.49	24.76	22.29
45.0	31.12	30.54	30.33	30.38	30.07	29.75	29.07	27.91	26.28
90.0	33.48	33.01	33.06	32.59	32.12	31.22	29.65	27.60	25.34
135.0	34.32	33.64	33.27	33.06	32.75	32.22	31.33	29.91	28.38
180.0	35.32	34.27	33.38	32.96	32.80	32.64	32.59	32.38	31.75
225.0	32.12	32.12	32.22	32.38	32.59	32.33	31.80	30.59	28.91
270.0	31.80	31.17	30.85	30.91	31.12	31.12	31.27	30.91	29.12
315.0	29.28	29.12	29.33	29.80	29.86	29.80	29.17	27.91	26.12
360.0	29.01	29.17	29.28	29.17	28.65	27.96	26.49	24.76	22.29
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.50	16.77	13.67	11.93	10.83	9.62	8.94	8.46	7.83
45.0	24.07	21.60	18.76	15.66	12.98	11.51	10.14	9.57	8.62
90.0	22.29	19.08	15.93	13.25	11.72	10.72	9.51	8.94	8.41
135.0	26.18	23.07	19.87	16.77	14.09	12.19	10.83	9.78	8.99
180.0	30.07	29.22	26.44	23.18	20.18	16.56	13.67	11.98	10.62
225.0	26.28	23.18	19.71	16.14	13.25	11.51	10.20	9.30	8.52
270.0	27.49	26.18	21.60	19.71	16.45	13.14	11.51	10.25	9.30
315.0	23.76	20.45	17.50	14.19	11.72	10.41	9.36	8.73	8.36
360.0	19.50	16.77	13.67	11.93	10.83	9.62	8.94	8.46	7.83
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.46	7.04	6.68	6.25	5.94	5.52	4.99	4.52	4.05
45.0	8.20	7.67	7.25	6.83	6.47	6.10	5.78	5.26	4.84
90.0	7.83	7.41	6.89	6.52	6.15	5.78	5.26	4.84	4.36
135.0	8.36	7.83	7.31	6.89	6.52	6.20	5.68	5.41	4.94
180.0	9.62	8.83	8.20	7.73	7.25	6.73	6.25	5.89	5.52
225.0	7.88	7.41	6.94	6.47	6.04	5.68	5.41	4.84	4.63
270.0	8.62	8.04	7.57	7.10	6.73	6.25	5.89	5.57	5.10
315.0	7.83	7.25	6.99	6.62	6.36	5.94	5.52	5.10	4.73
360.0	7.46	7.04	6.68	6.25	5.94	5.52	4.99	4.52	4.05
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.73	3.36	3.00	2.63	2.31	2.00	1.58	1.26	1.26
45.0	4.36	3.99	3.36	3.05	2.68	2.31	2.00	1.73	1.42
90.0	3.94	3.47	3.15	2.79	2.42	2.21	1.89	1.52	1.16
135.0	4.31	3.89	3.47	3.10	2.79	2.37	2.00	1.73	1.37
180.0	4.94	4.52	3.99	3.63	3.15	2.79	2.42	2.05	1.73
225.0	4.05	3.68	3.15	2.94	2.52	2.21	1.89	1.52	1.26
270.0	4.68	4.21	3.73	3.26	2.94	2.52	2.21	1.89	1.52
315.0	4.26	3.68	3.31	2.89	2.52	2.26	1.89	1.52	1.21
360.0	3.73	3.36	3.00	2.63	2.31	2.00	1.58	1.26	1.26

Intensity data(cd)

Appendix Page: 20 Total:20

C/ $\gamma(^{\circ})$	90.0
0.0	1.21
45.0	1.05
90.0	1.26
135.0	1.00
180.0	1.31
225.0	0.95
270.0	1.16
315.0	1.00
360.0	1.21