



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

NT

Client:

LumCAT: 2-2681-L

Luminaire: 92.70.412.00

Report No: 2024226-B018

Ballast type: AC

Test No: 2024226-C018

Voltage(V): 36.060

LampCAT: P2141-036-1206-P3090-1

Current(A): 0.701

Lamp flux(lm): 3301.0

Power (W): 25.278

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2716.39, Efficiency(%): 82.29% , Luminous Efficacy(lm/W): 107.46

Central intensity(cd): 4958.524, Maximum intensity(cd): 4958.524

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=43.8

[C90/270]Total=43.8

Field angle(10%Imax): [C0/180]Total=68.0

[C90/270]Total=68.0

Maximum s/h(1/2): C0_180=0.70 C90_270=0.70

Maximum s/h(1/4): C0_180=0.69 C90_270=0.69

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 82.29%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.739%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/26
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	4958.524	0.000	0	0.00%	0.00%
1.0	4952.964	4.742	4.742	0.14%	0.17%
2.0	4934.968	14.192	18.935	0.43%	0.70%
3.0	4904.976	23.534	42.468	0.71%	1.56%
4.0	4860.352	32.688	75.156	0.99%	2.77%
5.0	4801.976	41.567	116.723	1.26%	4.30%
6.0	4734.529	50.117	166.84	1.52%	6.14%
7.0	4654.792	58.279	225.119	1.77%	8.29%
8.0	4559.912	65.948	291.067	2.00%	10.72%
9.0	4463.277	73.128	364.195	2.22%	13.41%
10.0	4351.353	79.769	443.964	2.42%	16.34%
11.0	4227.285	85.718	529.683	2.60%	19.50%
12.0	4103.364	91.066	620.748	2.76%	22.85%
13.0	3964.958	95.751	716.499	2.90%	26.38%
14.0	3824.138	99.700	816.199	3.02%	30.05%
15.0	3664.884	102.813	919.011	3.11%	33.83%
16.0	3507.824	105.100	1024.112	3.18%	37.70%
17.0	3351.276	106.815	1130.926	3.24%	41.63%
18.0	3185.511	107.777	1238.704	3.26%	45.60%
19.0	3003.067	107.669	1346.372	3.26%	49.56%
20.0	2824.281	106.657	1453.029	3.23%	53.49%
21.0	2636.936	104.866	1557.896	3.18%	57.35%
22.0	2453.175	102.288	1660.184	3.10%	61.12%
23.0	2269.415	99.093	1759.276	3.00%	64.77%
24.0	2092.823	95.374	1854.65	2.89%	68.28%
25.0	1902.698	90.849	1945.5	2.75%	71.62%
26.0	1693.656	84.892	2030.392	2.57%	74.75%
27.0	1510.692	78.395	2108.787	2.37%	77.63%
28.0	1305.191	71.292	2180.079	2.16%	80.26%
29.0	1172.710	64.829	2244.908	1.96%	82.64%
30.0	1037.480	59.675	2304.583	1.81%	84.84%
31.0	880.164	53.365	2357.948	1.62%	86.80%
32.0	727.874	46.068	2404.017	1.40%	88.50%
33.0	601.187	39.155	2443.171	1.19%	89.94%
34.0	492.957	33.112	2476.283	1.00%	91.16%
35.0	391.552	27.470	2503.753	0.83%	92.17%
36.0	312.035	22.402	2526.155	0.68%	93.00%
37.0	261.040	18.690	2544.846	0.57%	93.68%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	192.641	15.143	2559.989	0.46%	94.24%
39.0	165.063	12.209	2572.198	0.37%	94.69%
40.0	107.959	9.522	2581.72	0.29%	95.04%
41.0	86.284	6.917	2588.637	0.21%	95.30%
42.0	72.049	5.753	2594.39	0.17%	95.51%
43.0	61.514	4.948	2599.337	0.15%	95.69%
44.0	54.514	4.379	2603.717	0.13%	95.85%
45.0	49.576	4.000	2607.717	0.12%	96.00%
46.0	46.057	3.740	2611.457	0.11%	96.14%
47.0	43.577	3.565	2615.022	0.11%	96.27%
48.0	41.456	3.437	2618.459	0.10%	96.39%
49.0	39.751	3.335	2621.794	0.10%	96.52%
50.0	38.435	3.260	2625.054	0.10%	96.64%
51.0	37.235	3.201	2628.255	0.10%	96.76%
52.0	36.108	3.147	2631.403	0.10%	96.87%
53.0	35.106	3.098	2634.501	0.09%	96.99%
54.0	34.148	3.052	2637.553	0.09%	97.10%
55.0	33.263	3.009	2640.562	0.09%	97.21%
56.0	32.400	2.967	2643.529	0.09%	97.32%
57.0	31.558	2.924	2646.453	0.09%	97.43%
58.0	30.702	2.879	2649.333	0.09%	97.53%
59.0	29.905	2.833	2652.166	0.09%	97.64%
60.0	29.137	2.789	2654.955	0.08%	97.74%
61.0	28.354	2.744	2657.699	0.08%	97.84%
62.0	27.586	2.696	2660.394	0.08%	97.94%
63.0	26.869	2.648	2663.043	0.08%	98.04%
64.0	26.094	2.599	2665.642	0.08%	98.13%
65.0	25.340	2.545	2668.187	0.08%	98.23%
66.0	24.572	2.490	2670.678	0.08%	98.32%
67.0	23.870	2.436	2673.113	0.07%	98.41%
68.0	23.226	2.386	2675.499	0.07%	98.49%
69.0	22.707	2.343	2677.842	0.07%	98.58%
70.0	22.319	2.312	2680.155	0.07%	98.67%
71.0	21.917	2.286	2682.441	0.07%	98.75%
72.0	21.514	2.258	2684.699	0.07%	98.83%
73.0	21.105	2.229	2686.928	0.07%	98.92%
74.0	20.541	2.189	2689.117	0.07%	99.00%
75.0	19.978	2.141	2691.258	0.06%	99.07%

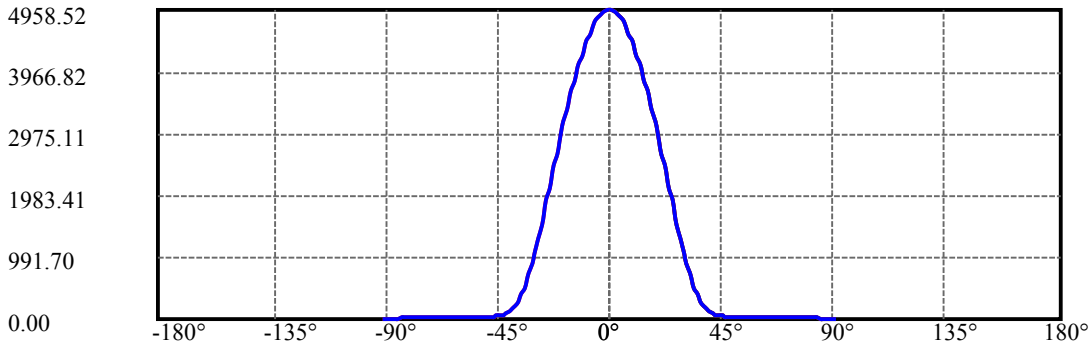
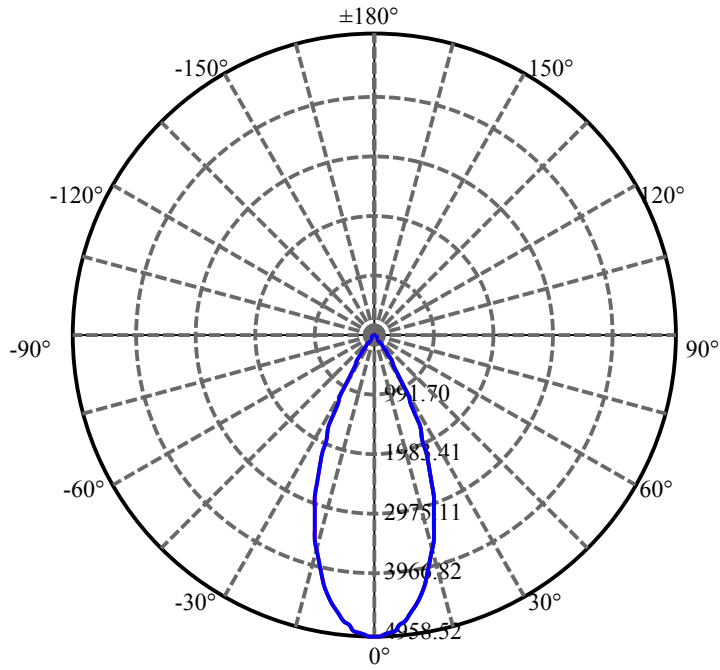
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	19.444	2.093	2693.351	0.06%	99.15%
77.0	18.954	2.047	2695.398	0.06%	99.23%
78.0	18.442	2.002	2697.4	0.06%	99.30%
79.0	17.886	1.952	2699.352	0.06%	99.37%
80.0	17.374	1.901	2701.253	0.06%	99.44%
81.0	16.803	1.848	2703.101	0.06%	99.51%
82.0	16.247	1.792	2704.893	0.05%	99.58%
83.0	15.413	1.721	2706.615	0.05%	99.64%
84.0	14.316	1.620	2708.234	0.05%	99.70%
85.0	13.277	1.506	2709.74	0.05%	99.76%
86.0	12.502	1.409	2711.149	0.04%	99.81%
87.0	12.063	1.344	2712.494	0.04%	99.86%
88.0	11.858	1.310	2713.804	0.04%	99.90%
89.0	11.763	1.295	2715.099	0.04%	99.95%
90.0	11.712	1.287	2716.386	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2304.58	69.81%	84.84%
0-40	2581.72	78.21%	95.04%
0-60	2654.96	80.43%	97.74%
0-90	2715.10	82.25%	99.95%
0-120	2715.10	82.25%	99.95%
0-180	2716.39	82.29%	100.00%
60-90	60.14	1.82%	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%
0-27.90	2173.11	65.83%	80.00%

ZONAL LUMEN SUMMARY

0-10	443.96
10-20	1009.06
20-30	851.55
30-40	277.14
40-50	43.33
50-60	29.90
60-70	25.20
70-80	21.10
80-90	13.85
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: —————

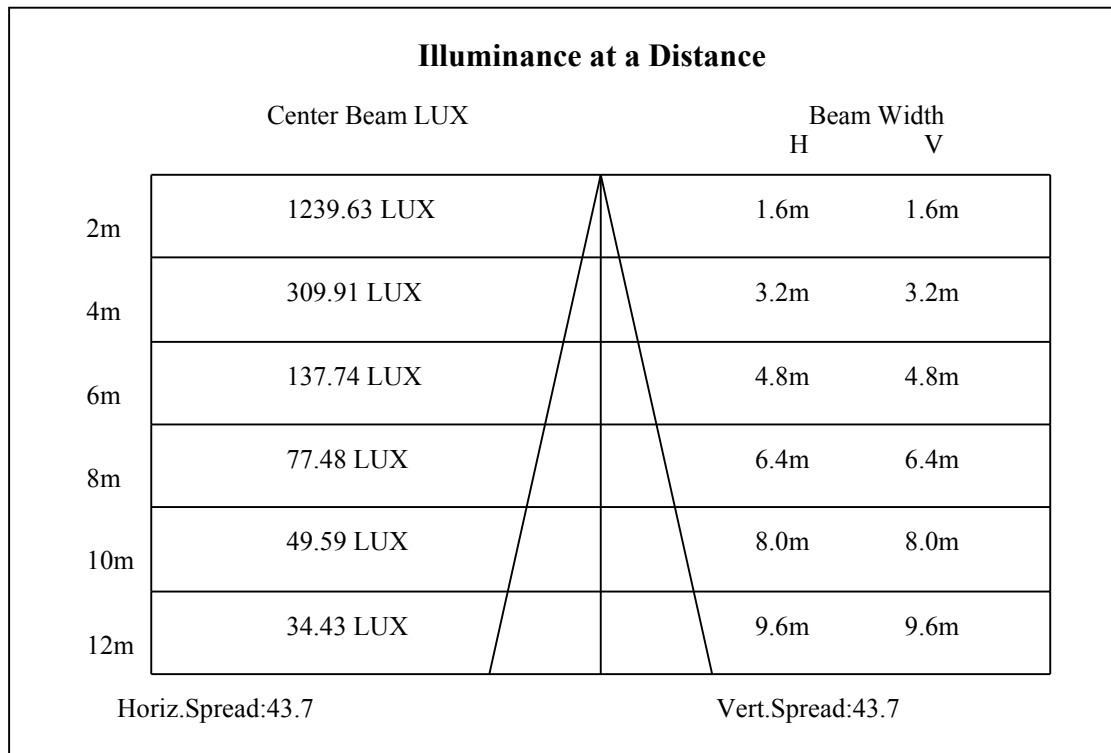
C90/C270: —————

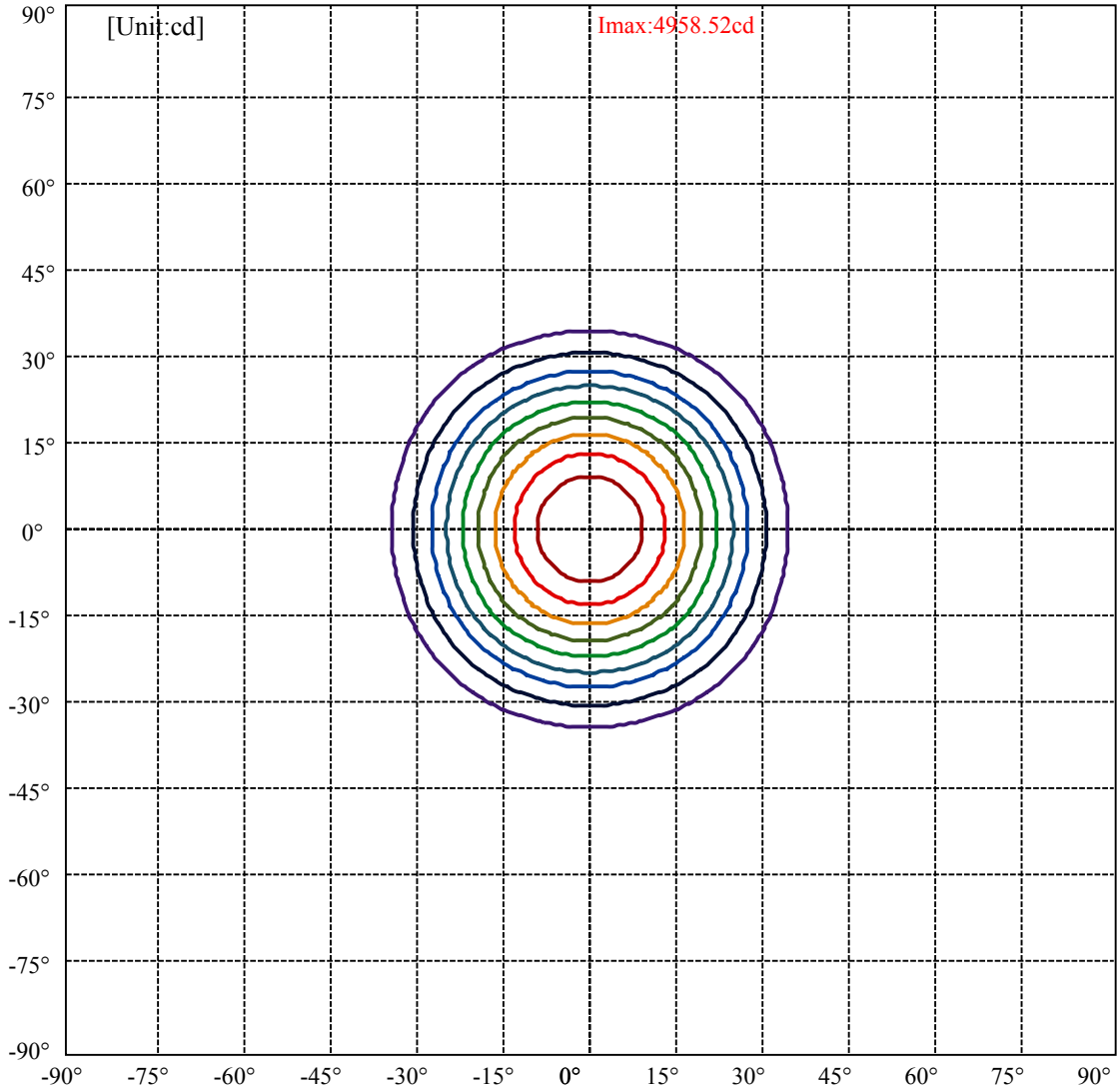
Field angle(10%Imax):C0/180Left:34.0 Right:34.0

:C90/270Left:34.0 Right:34.0

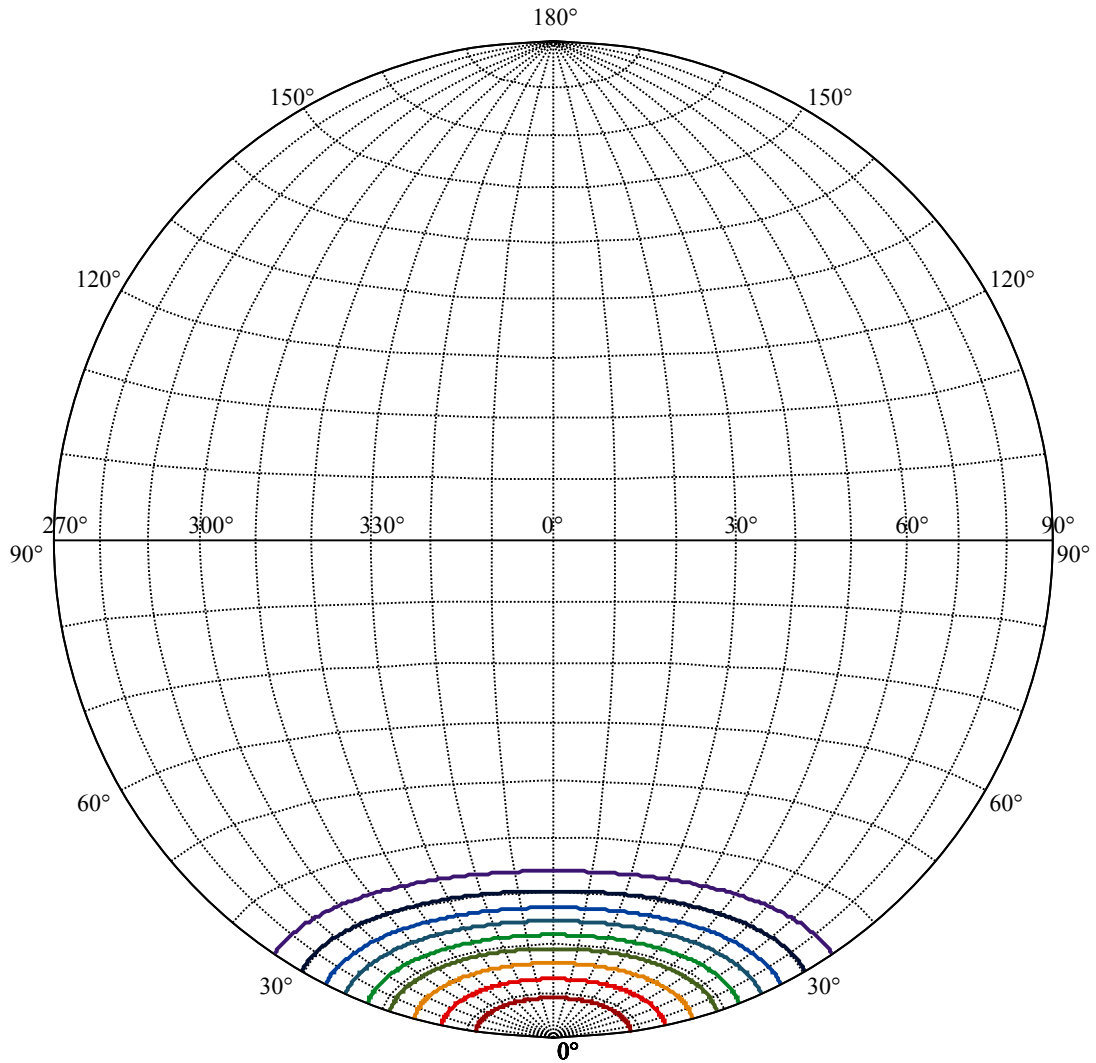
Beam Angle(50%Imax):C0/180Left:21.9 Right:21.9

:C90/270Left:21.9 Right:21.9





(10%I _{max}) 495.852	—
(20%I _{max}) 991.705	—
(30%I _{max}) 1487.56	—
(40%I _{max}) 1983.41	—
(50%I _{max}) 2479.26	—
(60%I _{max}) 2975.11	—
(70%I _{max}) 3470.97	—
(80%I _{max}) 3966.82	—
(90%I _{max}) 4462.67	—



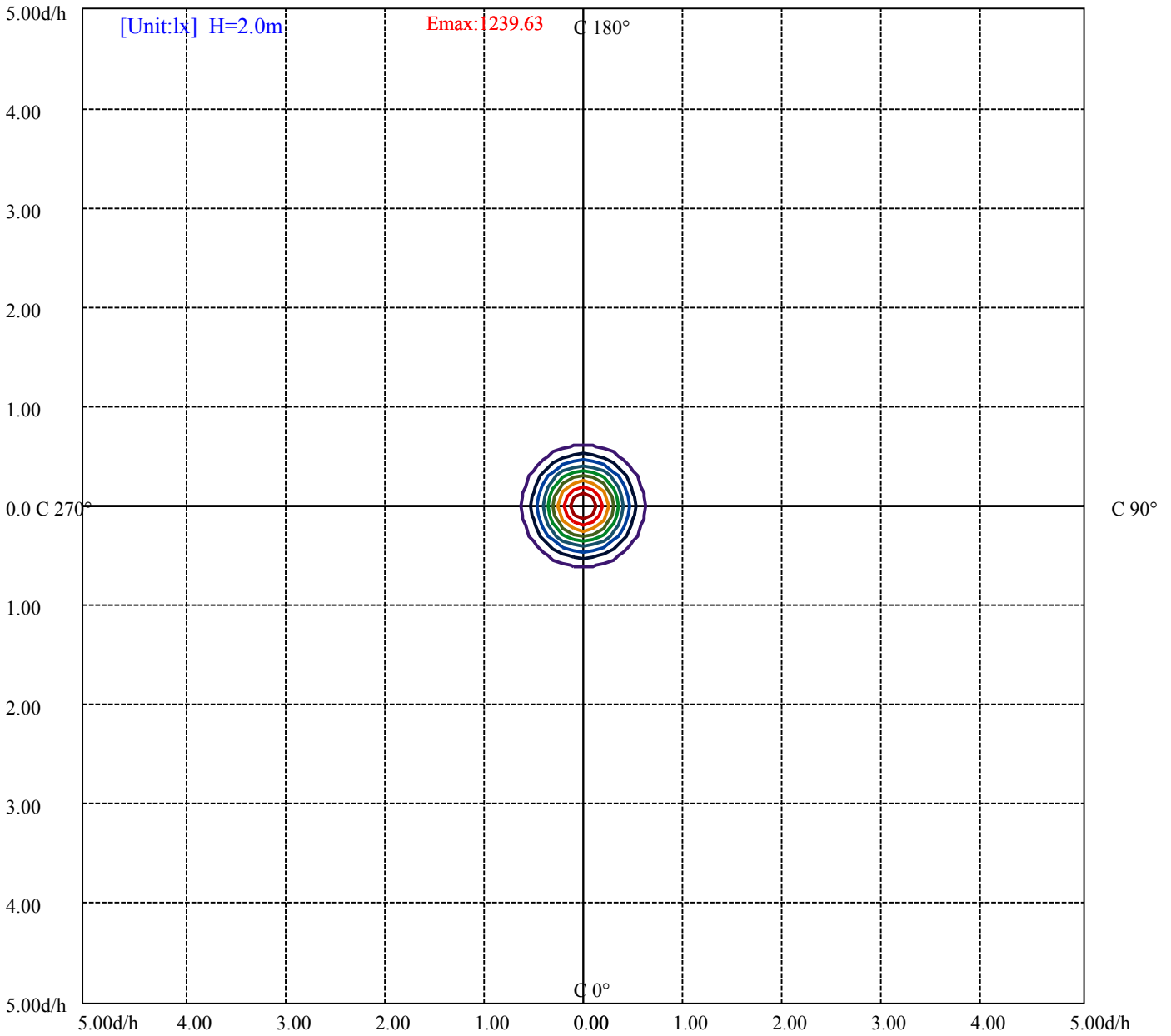
House

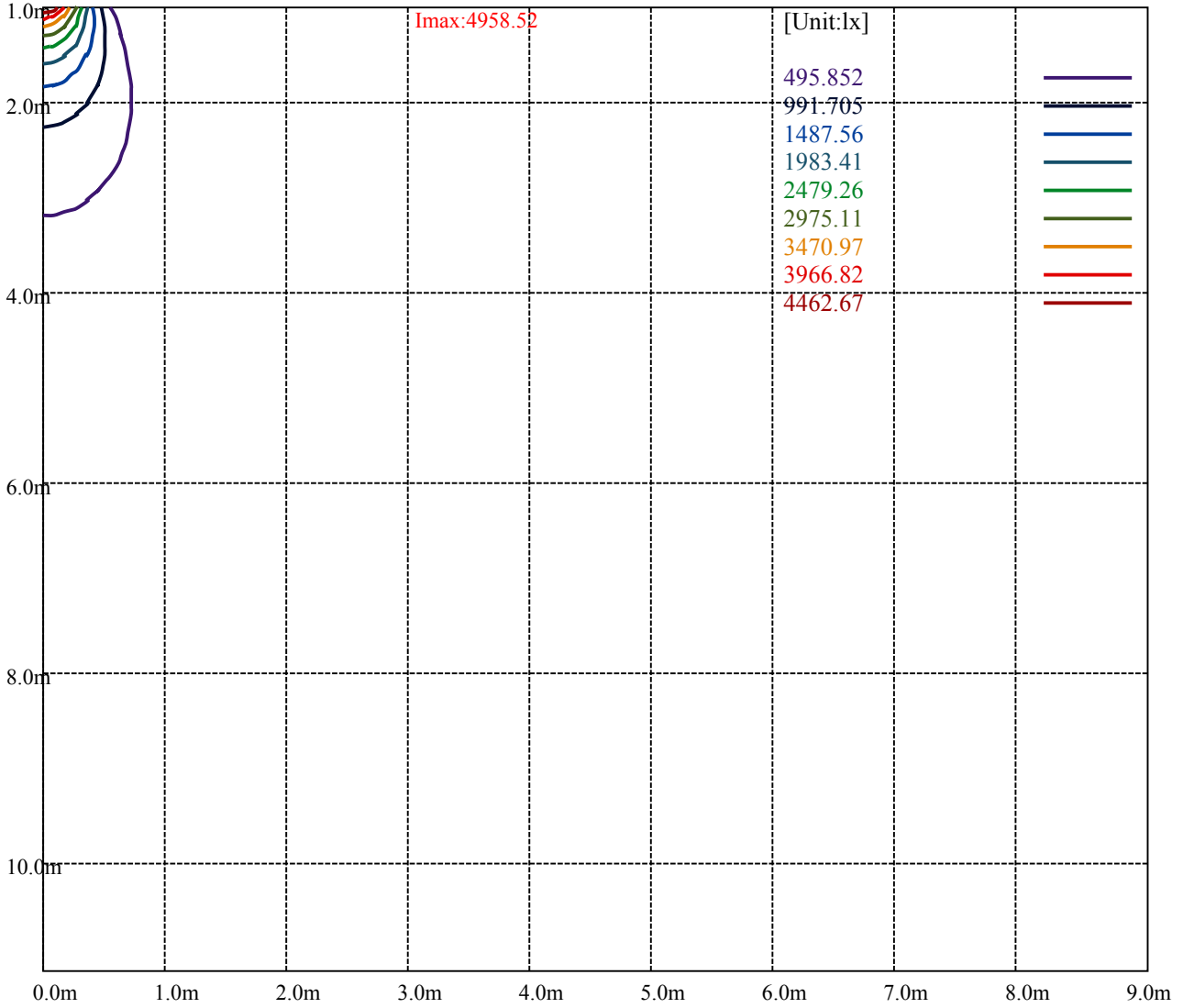
[Unit:cd]

Road

Imax:4958.52

(10%Imax) 495.852	—
(20%Imax) 991.705	—
(30%Imax) 1487.56	—
(40%Imax) 1983.41	—
(50%Imax) 2479.26	—
(60%Imax) 2975.11	—
(70%Imax) 3470.97	—
(80%Imax) 3966.82	—
(90%Imax) 4462.67	—





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

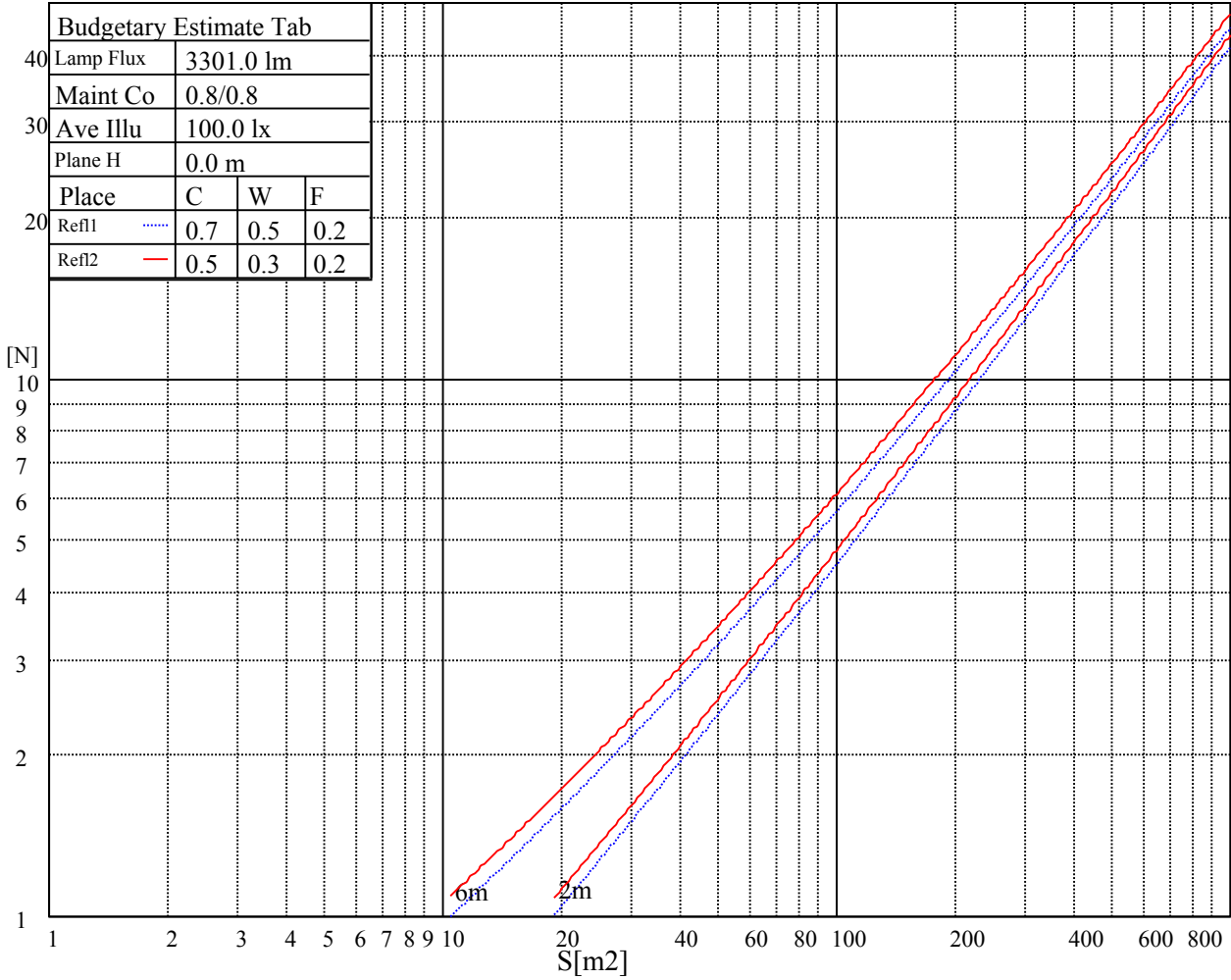
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

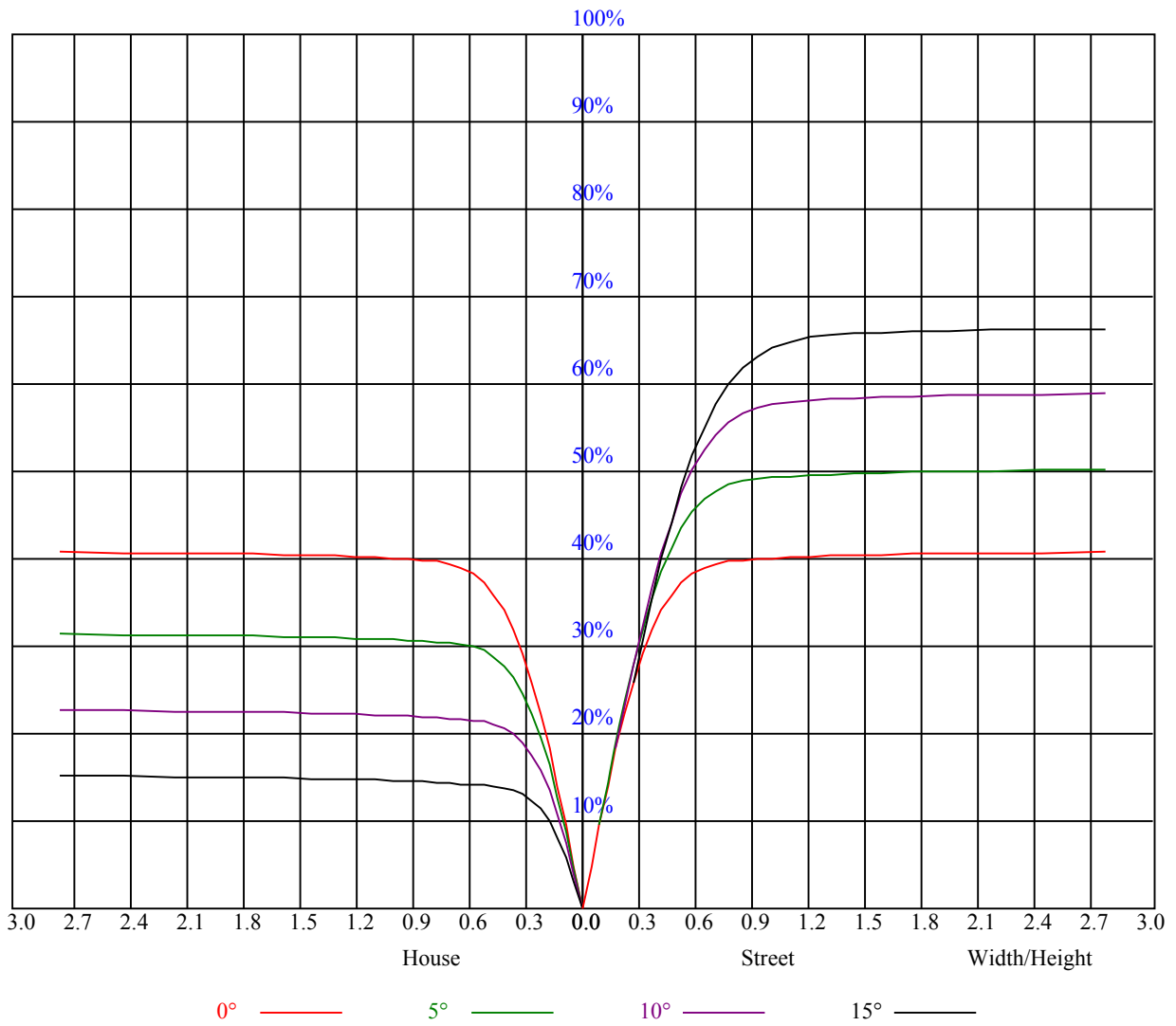


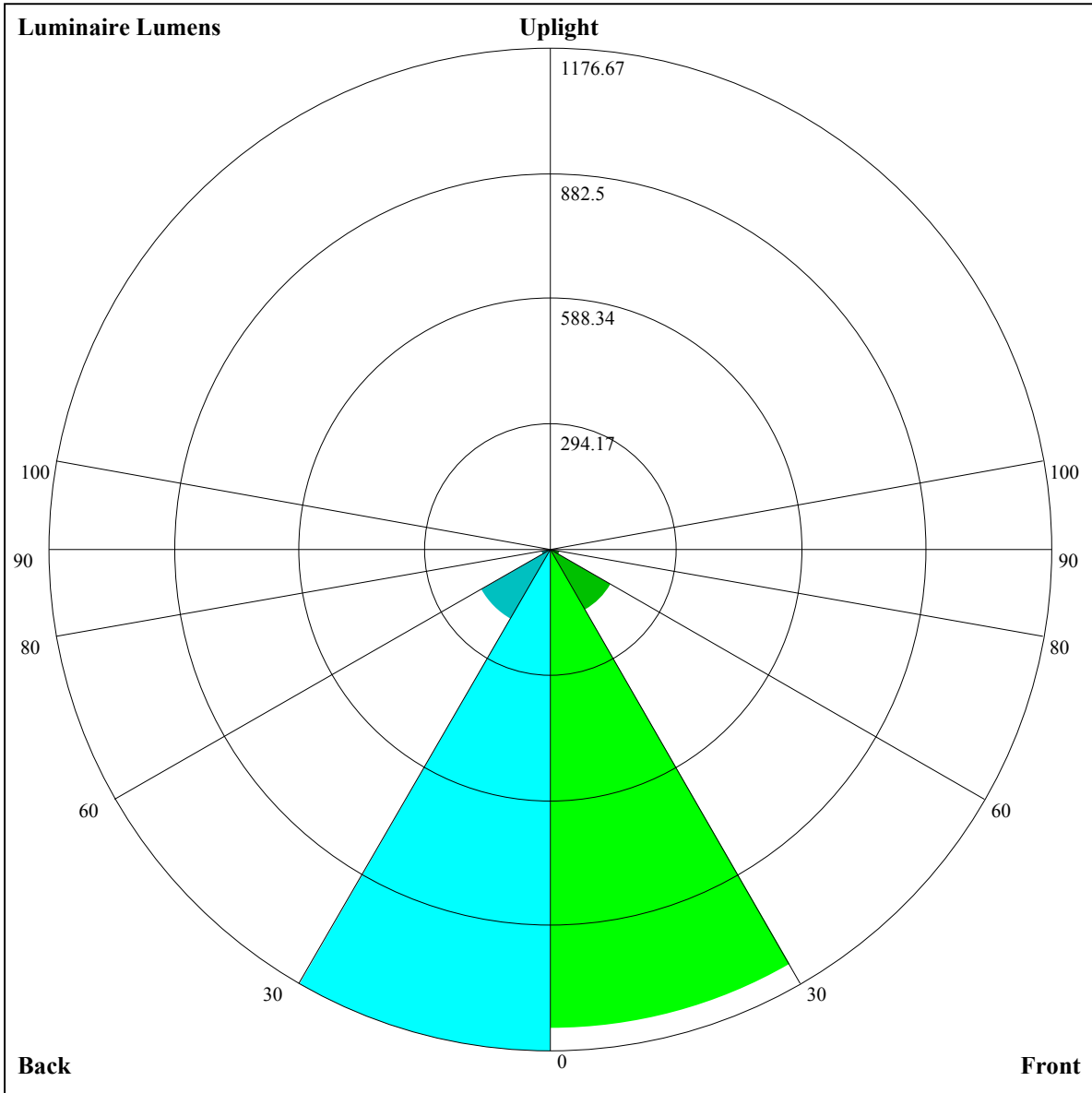
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
8H	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	0.98	0.98	0.98	0.96	0.96	0.96	0.91	0.91	0.91	0.88	0.88	0.88	0.84	0.84	0.84	0.82
1	0.91	0.89	0.88	0.90	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.77
2	0.86	0.83	0.80	0.84	0.81	0.79	0.82	0.79	0.77	0.79	0.77	0.76	0.77	0.75	0.74	0.73
3	0.81	0.77	0.74	0.80	0.76	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.74	0.72	0.70	0.69
4	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.72	0.69	0.67	0.70	0.68	0.66	0.65
5	0.72	0.68	0.65	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.67	0.65	0.63	0.62
6	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.58
7	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.56
8	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.54	0.60	0.57	0.54	0.59	0.56	0.54	0.53
9	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.51
10	0.57	0.53	0.50	0.56	0.52	0.50	0.56	0.52	0.50	0.55	0.52	0.49	0.55	0.52	0.49	0.48





Luminaire Lumens:

FL=1125.67,FM=164.46,FH=22.97,FVH=7.48

BL=1176.67,BM=188.65,BH=23.55,BVH=7.68

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	4944.62	4917.70	4883.18	4833.43	4755.01	4685.96	4604.61	4513.90	4386.91
45.0	4959.26	4951.06	4932.92	4904.24	4848.65	4791.88	4728.09	4632.11	4545.50
90.0	4960.43	4942.87	4904.24	4862.69	4804.76	4722.24	4646.16	4560.13	4437.82
135.0	4969.79	4966.86	4949.31	4917.70	4876.15	4805.93	4743.89	4667.81	4562.47
180.0	4944.62	4956.91	4957.50	4947.55	4928.24	4886.10	4839.28	4781.93	4710.53
225.0	4959.26	4958.08	4943.45	4914.19	4874.98	4822.31	4745.06	4666.06	4582.96
270.0	4960.43	4963.94	4964.52	4943.45	4920.05	4880.25	4828.16	4751.50	4677.76
315.0	4969.79	4966.28	4944.62	4916.53	4874.98	4821.14	4740.97	4664.89	4575.35
360.0	4944.62	4917.70	4883.18	4833.43	4755.01	4685.96	4604.61	4513.90	4386.91
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4277.47	4163.93	4036.36	3901.75	3730.87	3588.07	3401.39	3245.72	3082.44
45.0	4451.28	4347.70	4204.90	4083.76	3956.18	3782.95	3633.72	3483.32	3291.95
90.0	4335.41	4225.97	4072.05	3942.13	3806.95	3668.25	3484.49	3330.57	3171.98
135.0	4468.84	4365.25	4224.80	4104.83	3978.42	3840.89	3656.54	3508.48	3355.74
180.0	4611.05	4518.00	4418.51	4310.24	4166.86	4044.55	3919.31	3743.74	3602.70
225.0	4489.32	4361.74	4252.30	4135.84	4008.85	3850.84	3714.48	3569.35	3420.11
270.0	4593.49	4479.37	4374.03	4233.58	4114.78	3990.71	3859.03	3681.71	3537.16
315.0	4479.37	4348.87	4235.33	4114.78	3956.76	3826.84	3650.11	3499.70	3348.13
360.0	4277.47	4163.93	4036.36	3901.75	3730.87	3588.07	3401.39	3245.72	3082.44
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2865.32	2693.85	2524.72	2315.79	2140.81	1967.00	1796.11	1590.70	1140.90
45.0	3135.11	2967.73	2795.09	2583.83	2412.36	2241.47	2075.27	1859.32	1690.77
90.0	3004.60	2792.17	2621.87	2449.81	2230.94	2058.29	1890.92	1680.82	1511.11
135.0	3206.51	3006.94	2834.89	2623.62	2452.74	2283.02	2067.66	1899.11	1727.64
180.0	3461.66	3277.90	3117.55	2944.33	2735.40	2572.71	2387.78	2185.87	2010.89
225.0	3229.92	3066.64	2854.20	2685.07	2514.19	2305.26	2132.03	1966.41	1798.45
270.0	3386.76	3233.43	3034.45	2855.37	2672.20	2467.95	2304.09	2116.23	1917.84
315.0	3194.22	2985.88	2811.48	2637.67	2466.78	2259.61	2088.73	1923.11	1751.64
360.0	2865.32	2693.85	2524.72	2315.79	2140.81	1967.00	1796.11	1590.70	1140.90
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1140.90	1100.87	918.39	779.40	654.11	514.47	421.54	339.43	247.37
45.0	1521.06	1308.04	1149.44	996.11	821.13	691.79	549.58	453.61	367.58
90.0	1141.19	1141.19	992.42	850.33	689.86	571.76	470.75	379.87	282.90
135.0	1556.76	1343.74	1185.14	1028.88	887.26	718.71	599.91	495.74	383.97
180.0	1851.71	1684.92	1472.48	1309.21	1145.93	952.80	810.01	683.02	540.81
225.0	1592.46	1141.60	1141.60	1101.98	912.66	772.79	647.49	509.56	418.44
270.0	1733.49	1576.65	1377.68	1208.55	1052.29	863.27	726.91	603.43	499.26
315.0	1547.98	1144.52	1144.52	1025.37	878.07	737.38	583.29	479.01	392.10
360.0	1140.90	1100.87	918.39	779.40	654.11	514.47	421.54	339.43	247.37
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	189.38	144.38	105.05	84.92	71.10	61.62	53.72	49.45	46.23
45.0	309.06	309.06	158.07	122.72	98.26	77.78	66.66	58.87	53.43
90.0	220.98	170.12	132.03	100.13	82.81	67.65	59.40	53.78	48.75
135.0	306.13	306.13	170.18	132.73	105.98	82.98	70.17	60.80	54.43
180.0	445.41	360.56	304.38	304.38	157.13	121.90	96.80	76.14	65.02
225.0	337.97	250.13	194.06	139.69	109.09	88.02	73.33	63.09	54.78
270.0	388.06	312.57	295.01	295.01	135.71	106.34	86.03	69.17	60.34
315.0	299.28	235.38	182.36	140.92	103.58	83.98	70.29	60.80	53.14
360.0	189.38	144.38	105.05	84.92	71.10	61.62	53.72	49.45	46.23

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	43.72	41.26	39.74	38.16	37.04	36.05	35.00	34.12	33.36
45.0	48.57	45.76	42.96	41.26	39.74	38.22	37.10	36.17	35.29
90.0	45.82	43.54	41.73	39.80	38.51	37.45	36.40	35.23	34.35
135.0	48.87	45.71	43.25	40.85	39.33	37.98	36.81	35.58	34.65
180.0	57.24	50.68	47.17	44.42	41.79	40.20	38.80	37.34	36.28
225.0	50.27	46.99	44.54	42.08	40.56	39.21	37.81	36.81	35.58
270.0	53.20	49.28	46.35	44.01	41.79	40.32	39.03	37.92	36.52
315.0	48.92	45.24	42.90	41.08	39.27	38.04	36.93	35.70	34.82
360.0	43.72	41.26	39.74	38.16	37.04	36.05	35.00	34.12	33.36
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.60	31.60	30.78	30.02	29.32	28.44	27.74	27.04	26.16
45.0	34.24	33.36	32.60	31.78	30.84	30.02	29.32	28.32	27.62
90.0	33.53	32.48	31.66	30.90	29.90	29.20	28.50	27.62	26.92
135.0	33.53	32.71	31.95	31.02	30.26	29.55	28.85	27.97	27.27
180.0	35.05	34.24	33.36	32.60	31.60	30.84	30.08	29.38	28.68
225.0	34.70	33.88	32.89	32.07	31.25	30.49	29.61	28.91	28.21
270.0	35.58	34.76	33.88	32.83	32.01	31.02	30.26	29.55	28.68
315.0	33.94	33.07	32.07	31.25	30.43	29.67	28.73	28.03	27.15
360.0	32.60	31.60	30.78	30.02	29.32	28.44	27.74	27.04	26.16
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.52	24.70	24.11	23.29	22.53	21.95	21.36	20.78	20.19
45.0	26.92	26.04	25.40	24.52	23.88	23.29	23.00	22.82	22.59
90.0	26.22	25.46	24.58	23.94	23.35	23.06	22.82	22.59	22.24
135.0	26.57	25.87	25.05	24.35	23.70	22.82	22.24	21.71	21.01
180.0	27.86	27.21	26.45	25.69	24.93	23.99	23.29	22.65	22.06
225.0	27.45	26.57	25.81	25.11	24.29	23.76	23.41	23.29	23.17
270.0	27.97	27.21	26.45	25.52	24.81	24.11	23.53	23.23	23.17
315.0	26.45	25.69	24.87	24.17	23.47	22.82	22.00	21.48	20.89
360.0	25.52	24.70	24.11	23.29	22.53	21.95	21.36	20.78	20.19
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.61	19.25	18.96	18.61	18.14	17.73	17.32	16.68	16.27
45.0	22.24	21.77	20.83	20.07	19.37	18.84	18.20	17.79	17.26
90.0	21.83	21.07	20.13	19.37	18.79	18.20	17.79	17.38	16.91
135.0	20.48	19.96	19.49	19.14	18.84	18.55	18.02	17.62	17.21
180.0	21.48	20.89	20.31	19.78	19.43	19.14	18.84	18.49	18.14
225.0	23.00	22.94	22.41	21.65	20.95	20.13	19.31	18.61	17.79
270.0	23.17	23.23	22.88	22.24	21.48	20.78	20.13	19.08	18.43
315.0	20.31	19.72	19.31	18.96	18.55	18.26	17.91	17.44	16.97
360.0	19.61	19.25	18.96	18.61	18.14	17.73	17.32	16.68	16.27
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.74	15.10	13.99	12.87	12.23	12.00	11.76	11.70	11.70
45.0	16.68	16.15	15.16	14.10	13.05	12.17	11.94	11.82	11.70
90.0	16.27	15.39	14.34	13.05	12.23	12.00	11.88	11.70	11.70
135.0	16.62	16.15	15.10	13.93	12.87	12.23	12.00	11.82	11.70
180.0	17.91	17.56	16.85	15.74	14.51	13.28	12.52	12.11	11.94
225.0	17.21	16.62	15.92	14.69	13.52	12.58	12.06	11.88	11.76
270.0	17.50	16.97	16.39	15.51	14.40	13.17	12.29	12.00	11.82
315.0	16.50	16.04	15.57	14.63	13.40	12.58	12.06	11.82	11.76
360.0	15.74	15.10	13.99	12.87	12.23	12.00	11.76	11.70	11.70

Intensity data(cd)

C/γ(°)	90.0
0.0	11.70
45.0	11.70
90.0	11.65
135.0	11.76
180.0	11.76
225.0	11.70
270.0	11.70
315.0	11.70
360.0	11.70