



NATA LIGHTING CO.,LED
www.nata.cn
Email:info@nata.cn
Tel:+86 0750-377 0000 (10 lines) Fax:+86 0750-377 1111
Address:380 JinOu Road, JiangMen City, GuangDong, China 529040

NT

Client: NT

LumCAT: 2-2956-LM

Luminaire: 92.70.411.00 LED HOLDER

Report No: 20250318-B003

Ballast type: AC

Test No: 20250318-C003

Voltage(V): 35.860

LampCAT: LUMILEDS LUXEON COB 1208 Current(A): 0.897

Lamp flux(lm): 3990.4 Power (W): 32.150

Number of Lamps: 1 PF: 0.000

Length(mm): 69 Width(mm): 69

Phm Type: C Height(mm): 44

Photometric Results

Lumens(lm): 3759.42, Efficiency(%): 94.21% , Luminous Efficacy(lm/W): 116.93

Central intensity(cd): 8433.835, Maximum intensity(cd): 8455.151

Angle of maximum intensity: C=45.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=36.9

[C90/270]Total=36.8

Field angle(10%Imax): [C0/180]Total=67.5

[C90/270]Total=67.6

Maximum s/h(1/2): C0_180=0.63 C90_270=0.56

Maximum s/h(1/4): C0_180=0.65 C90_270=0.59

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 94.16%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.974%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8437.832	0.000	0	0.00%	0.00%
1.0	8422.844	8.068	8.068	0.20%	0.21%
2.0	8372.352	24.106	32.174	0.60%	0.86%
3.0	8291.418	39.854	72.028	1.00%	1.92%
4.0	8185.371	55.153	127.181	1.38%	3.38%
5.0	8016.441	69.699	196.88	1.75%	5.24%
6.0	7817.803	83.213	280.093	2.09%	7.45%
7.0	7623.561	95.844	375.938	2.40%	10.00%
8.0	7355.512	107.202	483.14	2.69%	12.85%
9.0	7082.801	117.015	600.155	2.93%	15.96%
10.0	6796.766	125.605	725.76	3.15%	19.31%
11.0	6493.746	132.800	858.559	3.33%	22.84%
12.0	6189.927	138.651	997.21	3.47%	26.53%
13.0	5907.023	143.560	1140.77	3.60%	30.34%
14.0	5574.827	146.967	1287.737	3.68%	34.25%
15.0	5295.920	149.238	1436.975	3.74%	38.22%
16.0	4974.382	150.489	1587.464	3.77%	42.23%
17.0	4668.564	150.167	1737.631	3.76%	46.22%
18.0	4362.213	148.898	1886.529	3.73%	50.18%
19.0	4056.128	146.462	2032.99	3.67%	54.08%
20.0	3745.648	142.794	2175.785	3.58%	57.88%
21.0	3459.480	138.353	2314.138	3.47%	61.56%
22.0	3165.386	133.129	2447.267	3.34%	65.10%
23.0	2908.728	127.451	2574.719	3.19%	68.49%
24.0	2687.774	122.360	2697.078	3.07%	71.74%
25.0	2480.143	117.507	2814.585	2.94%	74.87%
26.0	2288.832	112.572	2927.157	2.82%	77.86%
27.0	2093.991	107.227	3034.384	2.69%	80.71%
28.0	1927.859	101.825	3136.209	2.55%	83.42%
29.0	1742.343	96.023	3232.232	2.41%	85.98%
30.0	1540.774	88.644	3320.875	2.22%	88.33%
31.0	1303.347	79.148	3400.023	1.98%	90.44%
32.0	1129.868	69.709	3469.732	1.75%	92.29%
33.0	983.600	62.264	3531.995	1.56%	93.95%
34.0	811.753	54.333	3586.328	1.36%	95.40%
35.0	640.093	45.089	3631.417	1.13%	96.60%
36.0	500.526	36.318	3667.734	0.91%	97.56%
37.0	353.193	27.844	3695.578	0.70%	98.30%

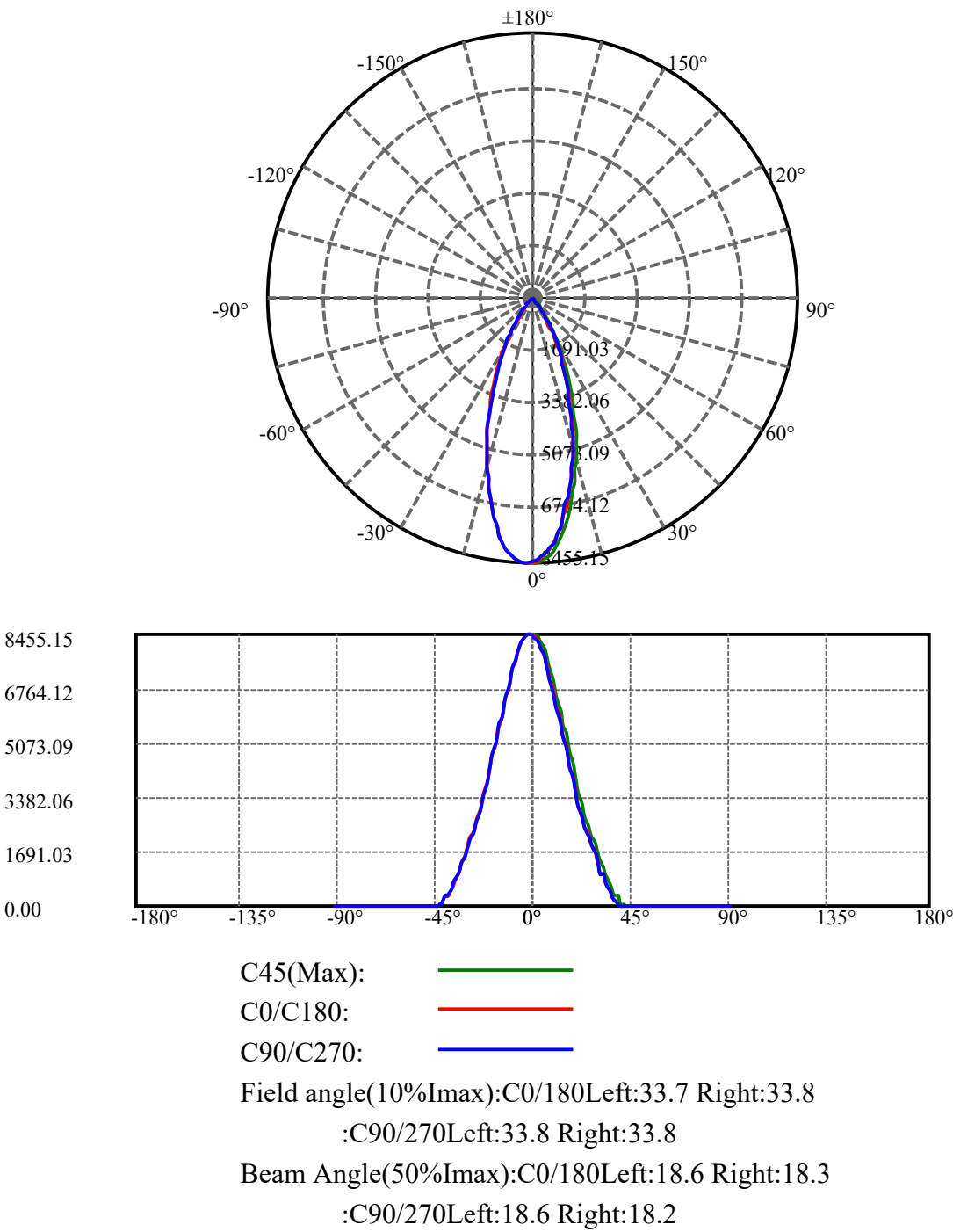
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	239.319	19.777	3715.355	0.50%	98.83%
39.0	193.476	14.772	3730.128	0.37%	99.22%
40.0	107.779	10.507	3740.634	0.26%	99.50%
41.0	32.673	5.001	3745.636	0.13%	99.63%
42.0	19.910	1.910	3747.546	0.05%	99.68%
43.0	14.601	1.278	3748.825	0.03%	99.72%
44.0	10.105	0.932	3749.757	0.02%	99.74%
45.0	8.080	0.699	3750.456	0.02%	99.76%
46.0	7.241	0.599	3751.055	0.02%	99.78%
47.0	6.595	0.550	3751.606	0.01%	99.79%
48.0	6.108	0.514	3752.119	0.01%	99.81%
49.0	5.662	0.483	3752.602	0.01%	99.82%
50.0	5.282	0.456	3753.059	0.01%	99.83%
51.0	4.949	0.433	3753.492	0.01%	99.84%
52.0	4.610	0.410	3753.902	0.01%	99.85%
53.0	4.263	0.386	3754.288	0.01%	99.86%
54.0	3.963	0.363	3754.65	0.01%	99.87%
55.0	3.650	0.340	3754.99	0.01%	99.88%
56.0	3.397	0.318	3755.309	0.01%	99.89%
57.0	3.131	0.298	3755.607	0.01%	99.90%
58.0	2.904	0.279	3755.886	0.01%	99.91%
59.0	2.671	0.261	3756.147	0.01%	99.91%
60.0	2.485	0.244	3756.391	0.01%	99.92%
61.0	2.305	0.229	3756.619	0.01%	99.93%
62.0	2.152	0.215	3756.834	0.01%	99.93%
63.0	1.978	0.201	3757.035	0.01%	99.94%
64.0	1.832	0.187	3757.222	0.00%	99.94%
65.0	1.692	0.174	3757.396	0.00%	99.95%
66.0	1.579	0.163	3757.559	0.00%	99.95%
67.0	1.459	0.153	3757.712	0.00%	99.95%
68.0	1.326	0.141	3757.853	0.00%	99.96%
69.0	1.246	0.131	3757.984	0.00%	99.96%
70.0	1.159	0.124	3758.108	0.00%	99.97%
71.0	1.079	0.116	3758.223	0.00%	99.97%
72.0	1.006	0.108	3758.332	0.00%	99.97%
73.0	0.953	0.102	3758.434	0.00%	99.97%
74.0	0.886	0.097	3758.531	0.00%	99.98%
75.0	0.826	0.090	3758.621	0.00%	99.98%

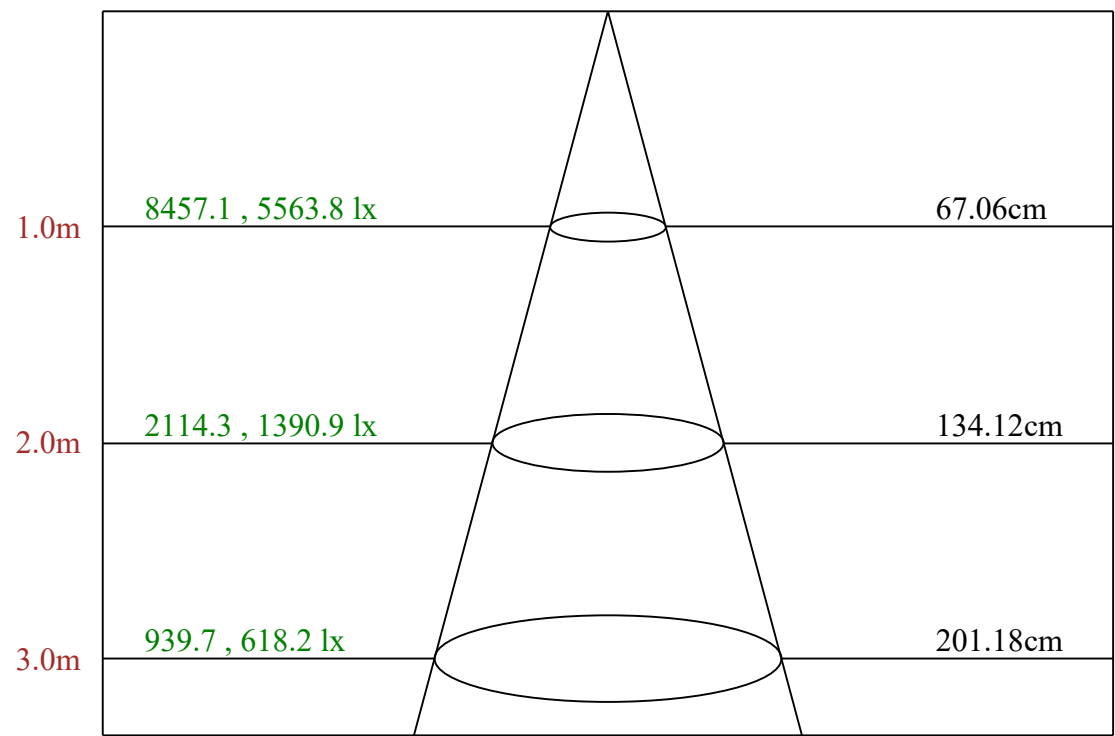
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.766	0.085	3758.706	0.00%	99.98%
77.0	0.699	0.078	3758.784	0.00%	99.98%
78.0	0.659	0.073	3758.857	0.00%	99.99%
79.0	0.626	0.069	3758.926	0.00%	99.99%
80.0	0.560	0.064	3758.99	0.00%	99.99%
81.0	0.506	0.058	3759.047	0.00%	99.99%
82.0	0.473	0.053	3759.1	0.00%	99.99%
83.0	0.440	0.050	3759.15	0.00%	99.99%
84.0	0.420	0.047	3759.197	0.00%	99.99%
85.0	0.380	0.044	3759.24	0.00%	100.00%
86.0	0.333	0.039	3759.279	0.00%	100.00%
87.0	0.326	0.036	3759.316	0.00%	100.00%
88.0	0.333	0.036	3759.352	0.00%	100.00%
89.0	0.300	0.035	3759.386	0.00%	100.00%
90.0	0.300	0.033	3759.419	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	3320.88	83.22%	88.33%
0-40	3740.63	93.74%	99.50%
0-60	3756.39	94.13%	99.92%
0-90	3759.39	94.21%	100.00%
0-120	3759.39	94.21%	100.00%
0-180	3759.42	94.21%	100.00%
60-90	3.00	0.08%	0.08%
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%
0-26.75	3007.54	75.37%	80.00%

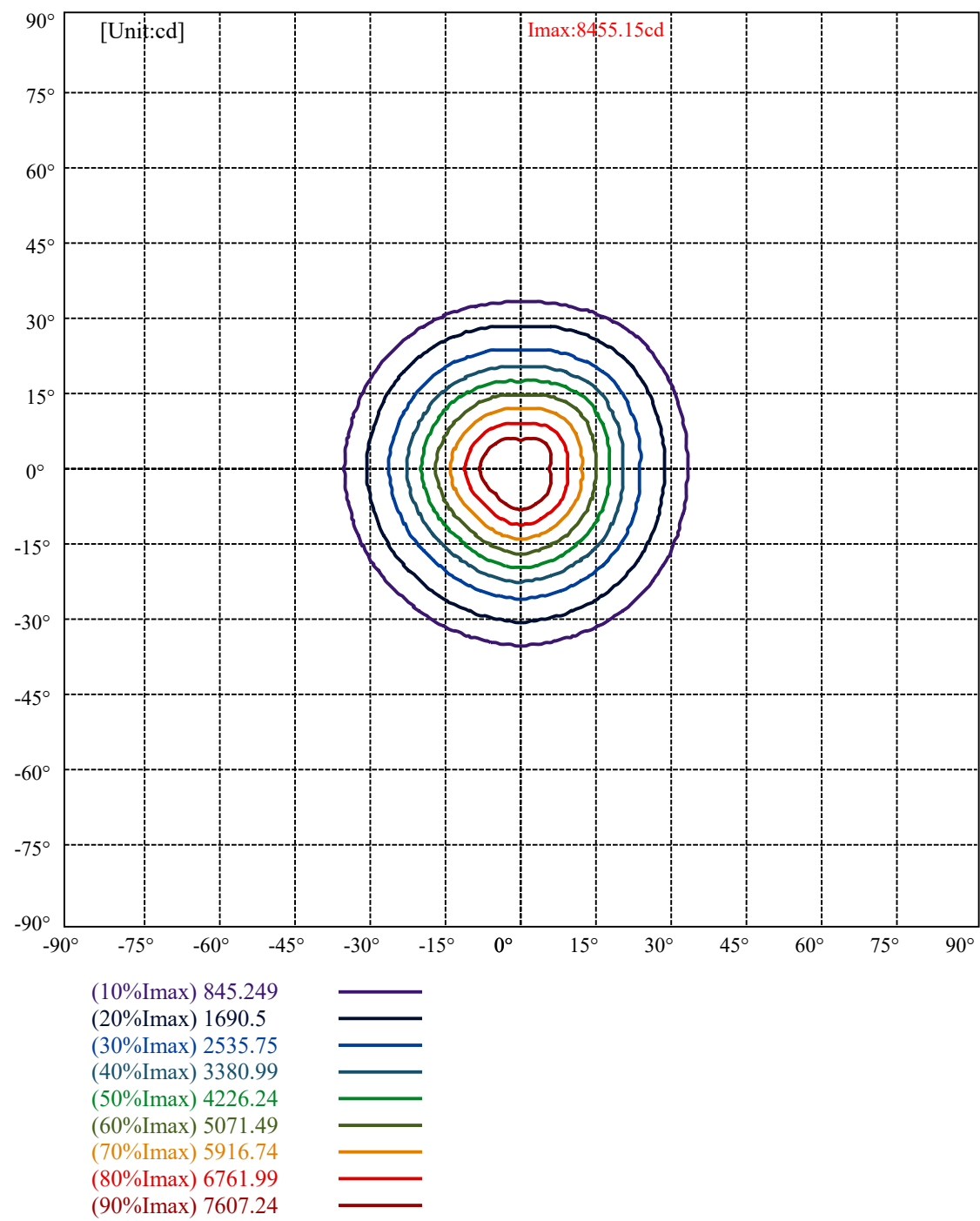
ZONAL LUMEN SUMMARY

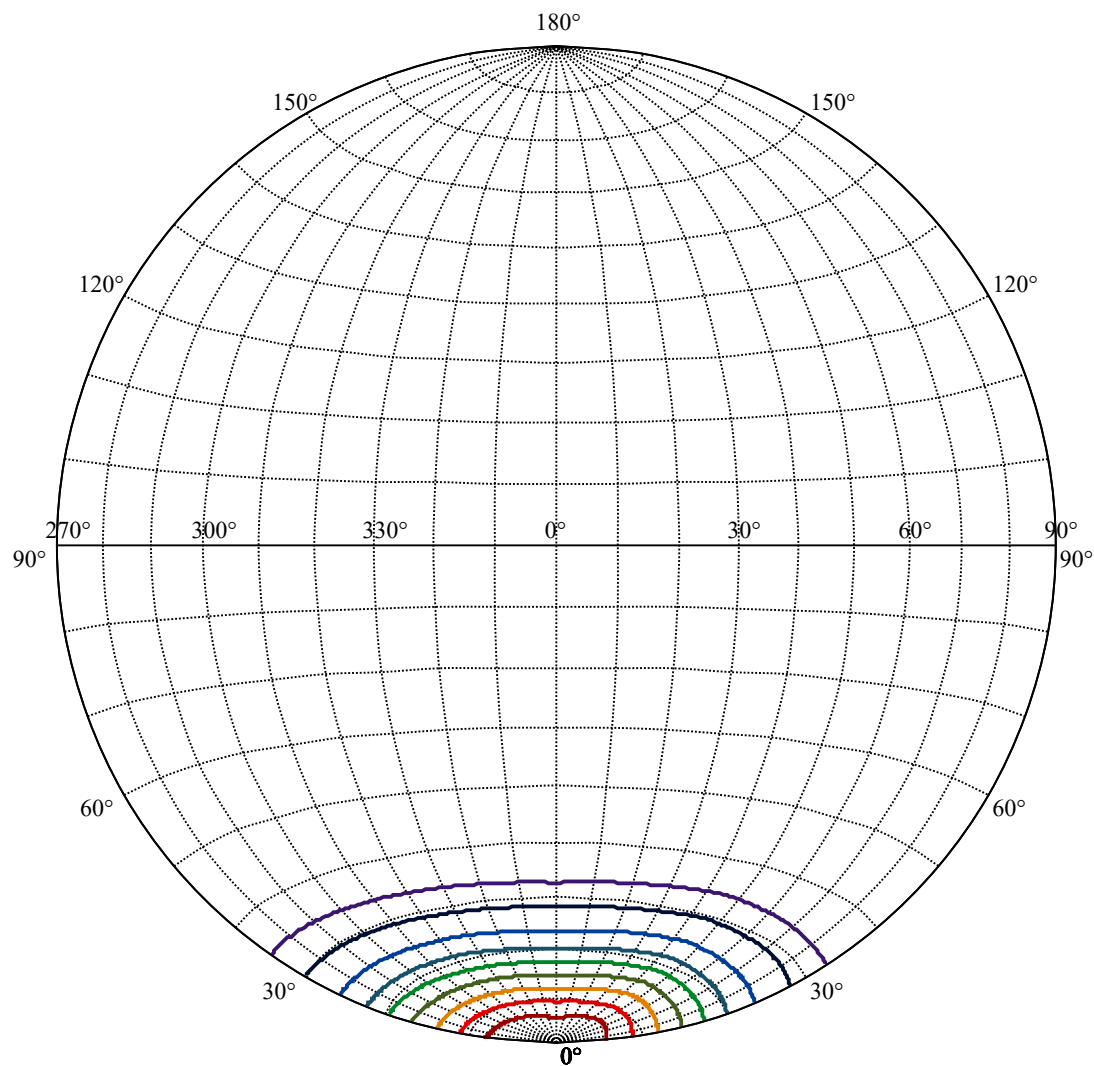
0-10	725.76
10-20	1450.02
20-30	1145.09
30-40	419.76
40-50	12.42
50-60	3.33
60-70	1.72
70-80	0.88
80-90	0.40
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C45 plane 37.07



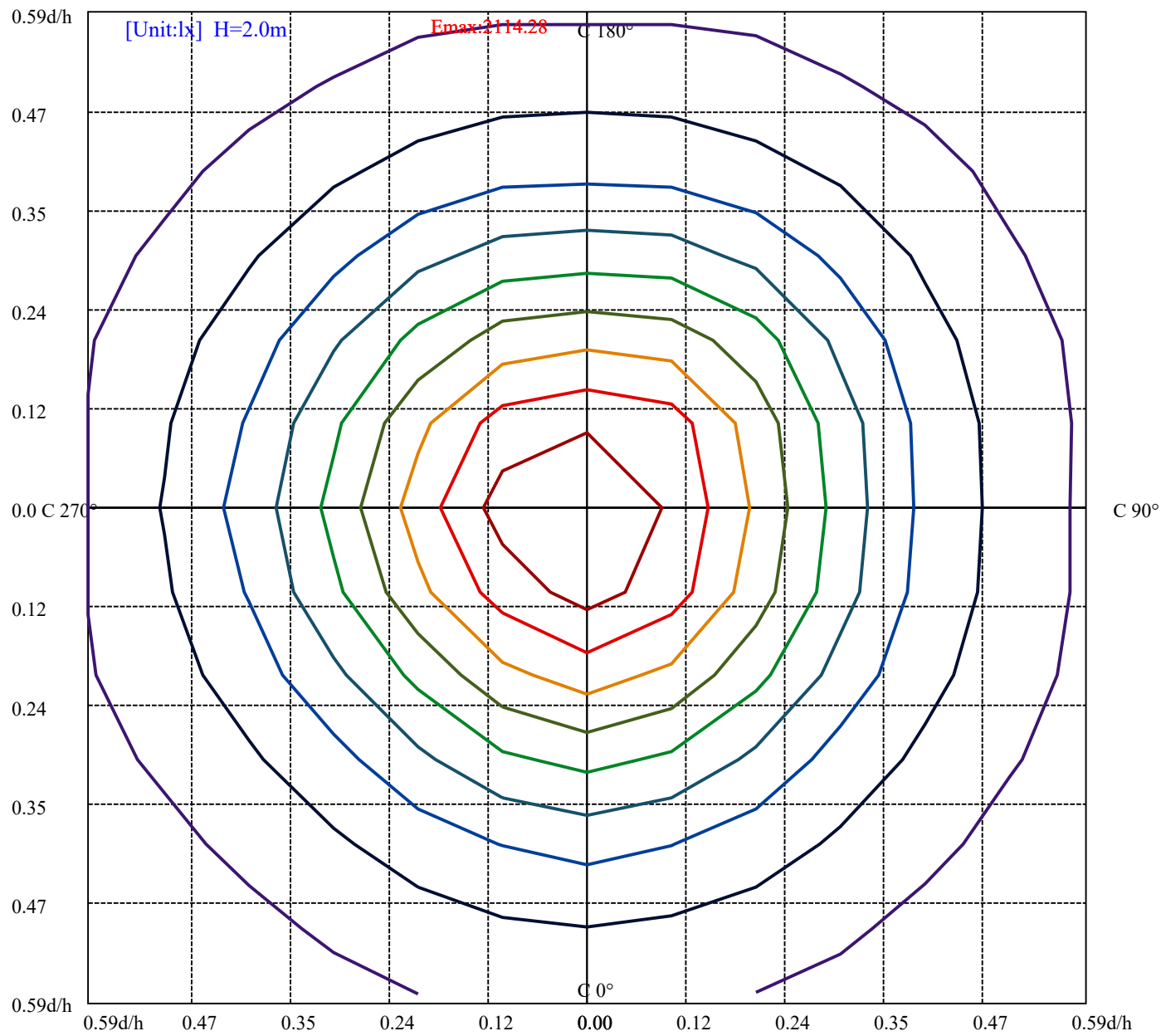


House

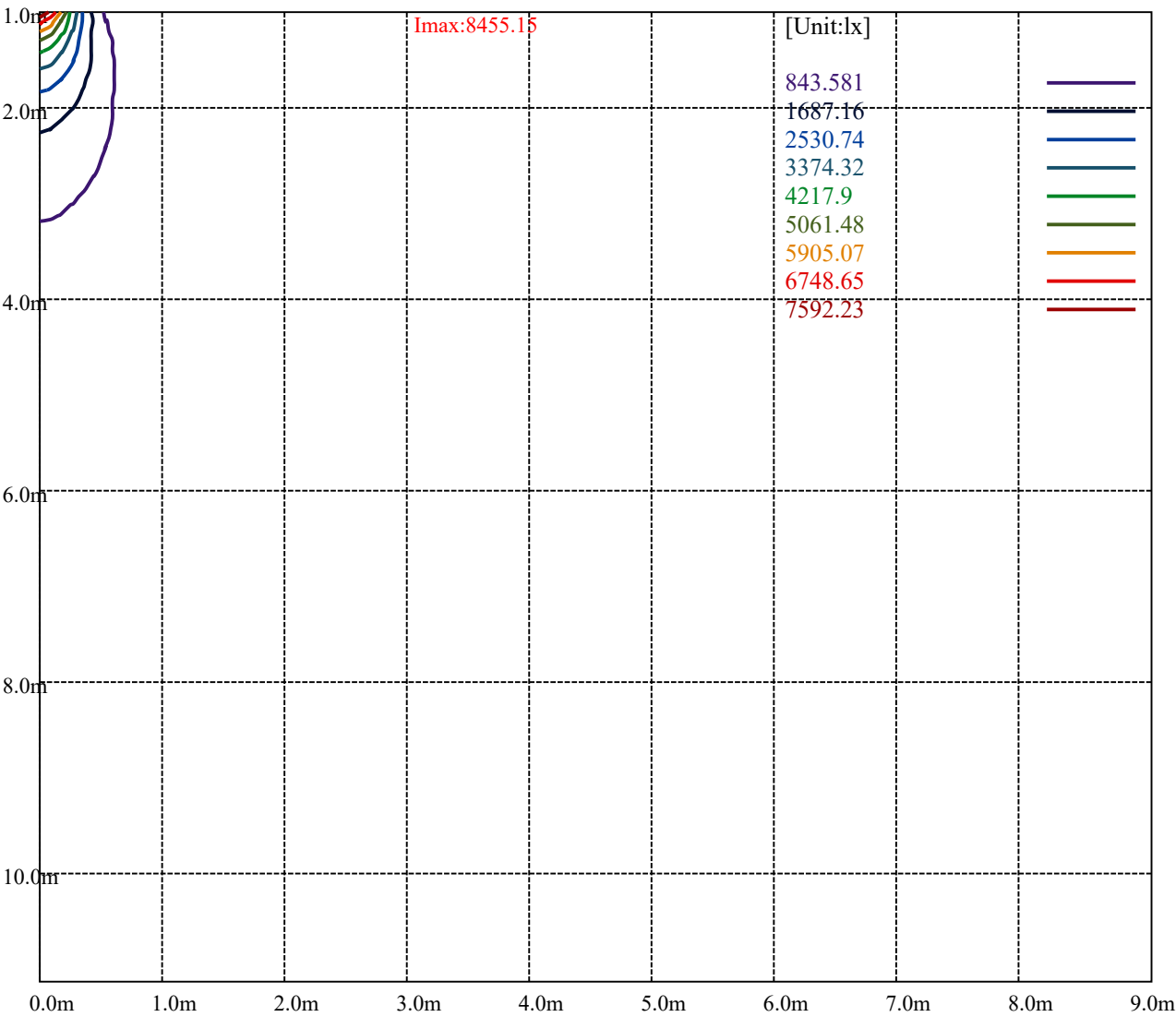
[Unit:cd]

Road

Imax:8455.15	
(10%Imax) 845.712	
(20%Imax) 1691.42	
(30%Imax) 2537.14	
(40%Imax) 3382.85	
(50%Imax) 4228.56	
(60%Imax) 5074.27	
(70%Imax) 5919.99	
(80%Imax) 6765.7	
(90%Imax) 7611.41	



(10%Emax)	211.428	
(20%Emax)	422.855	
(30%Emax)	634.285	
(40%Emax)	845.7125	
(50%Emax)	1057.14	
(60%Emax)	1268.568	
(70%Emax)	1479.995	
(80%Emax)	1691.422	
(90%Emax)	1902.853	



Luminance Table

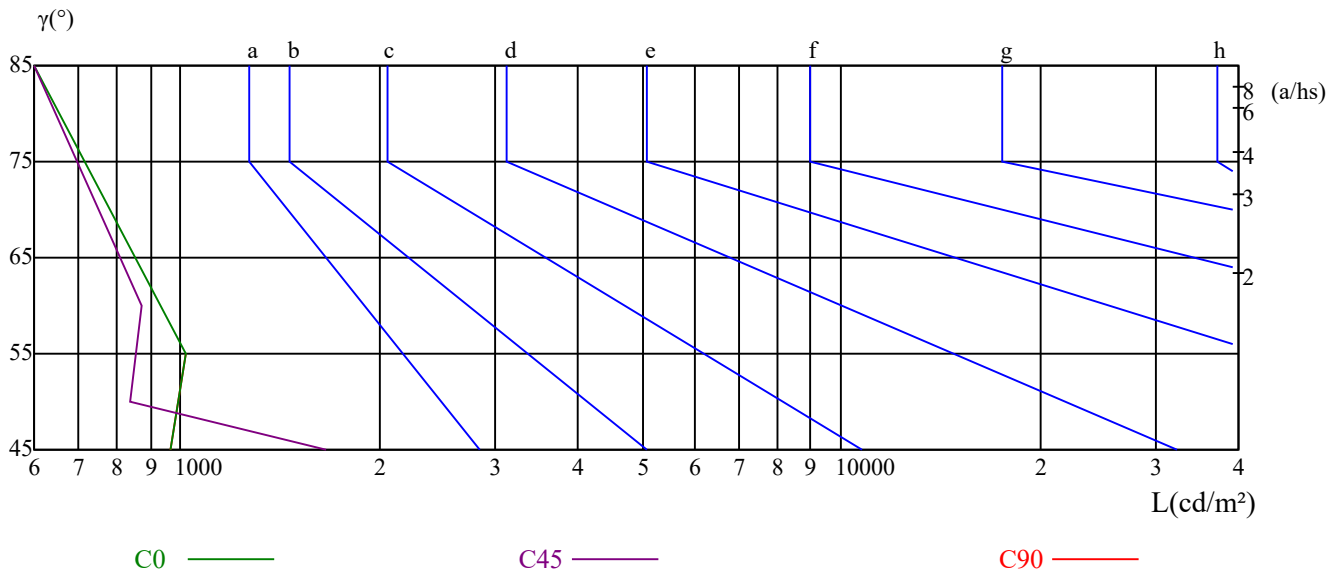
γ	45	50	55	60	65	70	75	80	85
C0	967	989	1021	0	0	0	0	0	124
C45	1665	839	853	874	0	0	0	0	91
C90	967	989	1021	0	0	0	0	0	0

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	514	0	257

Glare Table

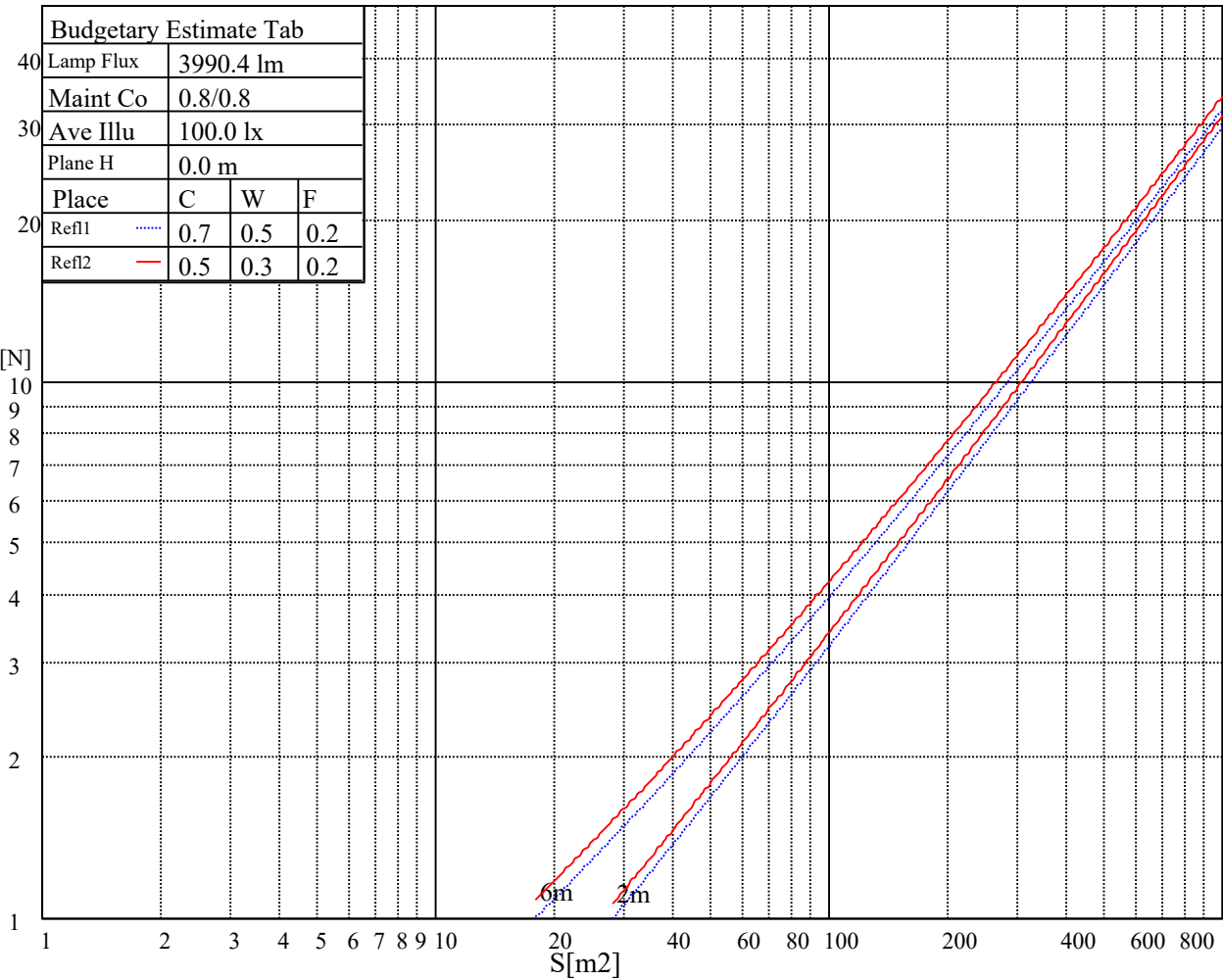
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

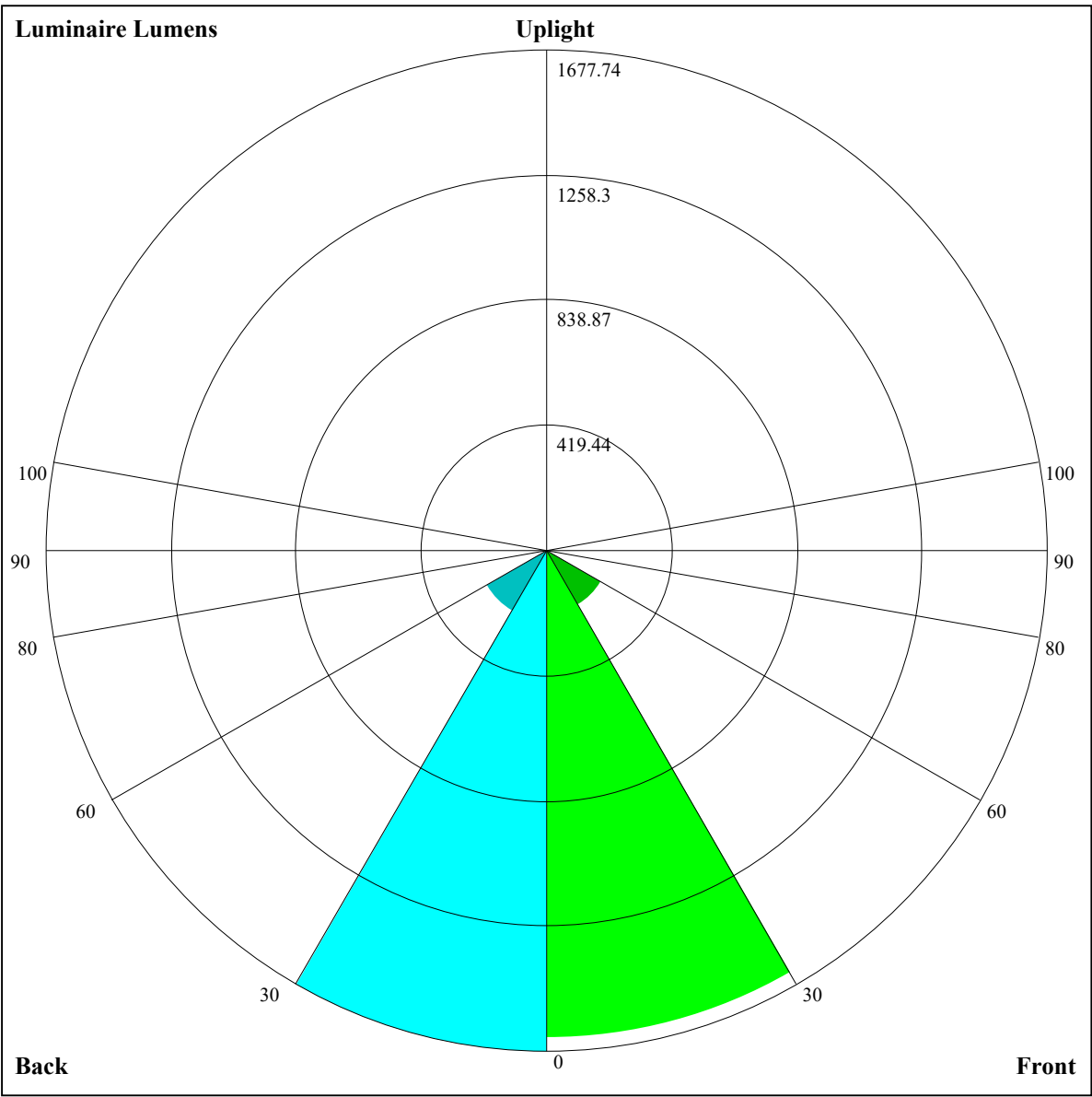


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	16.04	16.92	16.41	17.23	17.55	16.05	16.93	16.41	17.24	17.56
	3H	15.82	16.60	16.21	16.94	17.29	15.82	16.60	16.21	16.94	17.29
	4H	15.71	16.43	16.11	16.78	17.15	15.71	16.43	16.11	16.79	17.16
	6H	15.61	16.27	16.03	16.64	17.04	15.61	16.27	16.03	16.65	17.05
	8H	15.53	16.16	15.95	16.54	16.95	15.53	16.16	15.96	16.55	16.96
	12H	15.45	16.05	15.88	16.44	16.86	15.46	16.05	15.89	16.45	16.87
4H	2H	15.71	16.43	16.11	16.78	17.15	15.71	16.43	16.11	16.79	17.16
	3H	15.44	16.04	15.87	16.44	16.86	15.44	16.05	15.87	16.44	16.86
	4H	15.35	15.87	15.79	16.30	16.75	15.35	15.87	15.79	16.30	16.75
	6H	15.20	15.66	15.67	16.11	16.56	15.20	15.66	15.68	16.11	16.57
	8H	15.13	15.56	15.62	16.02	16.49	15.14	15.56	15.63	16.02	16.50
	12H	15.08	15.47	15.57	15.92	16.44	15.08	15.47	15.57	15.92	16.45
8H	4H	15.13	15.56	15.62	16.02	16.49	15.14	15.56	15.63	16.02	16.50
	6H	14.97	15.31	15.48	15.79	16.31	14.97	15.31	15.48	15.80	16.31
	8H	14.95	15.23	15.48	15.75	16.25	14.95	15.23	15.49	15.76	16.26
	12H	14.89	15.10	15.44	15.62	16.14	14.89	15.10	15.44	15.62	16.15
12H	4H	15.08	15.46	15.57	15.92	16.44	15.08	15.47	15.57	15.92	16.45
	6H	14.95	15.23	15.48	15.75	16.25	14.95	15.23	15.49	15.76	16.26
	8H	14.89	15.10	15.44	15.62	16.14	14.89	15.10	15.44	15.62	16.15
Variation with the observer position at spacings:											
S = 1.0H		6.5/-21.9					6.5/-21.7				
S = 1.5H		9.3/-22.5					9.3/-22.2				
S = 2.0H		11.3/-22.8					11.3/-22.6				
Standard tables:		BK0					BK0				
Uncorrected UGR		-3.2					-3.2				

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	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.12	1.12	1.12	1.09	1.09	1.09	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.03	1.02	1.03	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90
2	0.99	0.96	0.94	0.98	0.95	0.92	0.95	0.93	0.90	0.92	0.90	0.89	0.90	0.88	0.87	0.85
3	0.94	0.90	0.87	0.93	0.89	0.86	0.91	0.87	0.85	0.88	0.86	0.84	0.86	0.84	0.82	0.81
4	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.77
5	0.85	0.80	0.77	0.84	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.74
6	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.70
7	0.77	0.73	0.69	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.67
8	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.64
9	0.71	0.66	0.63	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.61
10	0.68	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.66	0.62	0.60	0.59



Luminaire Lumens:

FL=1636,FM=211.13,FH=1.28,FVH=0.22

BL=1677.74,BM=233.04,BH=1.31,BVH=0.21

UL=0,UH=0

BUG Rating:B3-U0-G0

Intensity data(cd)

Appendix Page: 17 Total:19

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	8433.84	8383.74	8279.29	8150.87	8057.61	7779.43	7550.29	7403.21	7016.32
45.0	8455.15	8436.50	8397.60	8322.46	8197.76	8051.75	7859.37	7636.62	7388.29
90.0	8413.59	8359.23	8267.57	8142.34	7974.48	7815.67	7530.57	7315.81	7029.64
135.0	8448.76	8439.16	8387.47	8309.14	8187.64	8039.49	7850.31	7621.16	7360.57
180.0	8433.84	8451.95	8451.95	8399.73	8331.52	8205.75	8058.67	7864.70	7636.62
225.0	8455.15	8429.57	8376.28	8283.02	8204.69	7981.94	7773.04	7632.89	7367.50
270.0	8413.59	8452.49	8439.70	8398.66	8325.12	8208.42	8054.41	7867.36	7642.48
315.0	8448.76	8430.10	8378.95	8325.12	8204.16	8049.08	7865.76	7646.74	7402.67
360.0	8433.84	8383.74	8279.29	8150.87	8057.61	7779.43	7550.29	7403.21	7016.32

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6833.54	6527.12	6217.50	5914.28	5599.34	5295.59	4977.45	4655.57	4332.10
45.0	7112.24	6822.88	6526.59	6222.83	6038.45	5611.06	5426.15	5118.66	4801.06
90.0	6668.87	6428.53	6141.83	5842.34	5545.52	5232.70	4917.23	4606.55	4290.54
135.0	7072.28	6770.65	6470.63	6173.27	5872.18	5570.03	5270.54	4969.45	4662.50
180.0	7383.49	7090.93	6790.37	6494.61	6254.27	5895.63	5590.81	5344.08	4982.77
225.0	7075.47	6789.31	6478.63	6177.00	5869.52	5545.52	5234.84	4915.63	4599.09
270.0	7385.62	7109.05	6803.69	6490.35	6182.33	5867.39	5681.94	5241.23	5051.52
315.0	7130.89	6835.67	6520.72	6204.71	5894.57	5580.69	5268.41	4943.87	4628.93
360.0	6833.54	6527.12	6217.50	5914.28	5599.34	5295.59	4977.45	4655.57	4332.10

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	4021.96	3710.21	3390.47	3112.30	2849.58	2627.89	2423.26	2303.89	2052.36
45.0	4478.12	4161.04	3847.16	3542.88	3244.99	2968.95	2731.27	2513.85	2327.33
90.0	3981.99	3676.10	3372.88	3097.37	2836.25	2615.63	2418.99	2229.28	2126.43
135.0	4350.76	4099.23	3791.21	3438.43	3215.15	2947.63	2717.42	2503.72	2314.01
180.0	4737.64	4425.89	4113.61	3818.39	3524.76	3243.39	2987.06	2748.33	2538.90
225.0	4291.07	3983.05	3687.83	3403.26	3120.82	2873.02	2642.81	2438.18	2248.46
270.0	4727.52	4407.24	4087.50	3777.89	3469.87	3186.90	2918.85	2667.32	2456.83
315.0	4308.66	3986.25	3674.51	3485.33	3061.67	2806.41	2662.53	2436.58	2246.33
360.0	4021.96	3710.21	3390.47	3112.30	2849.58	2627.89	2423.26	2303.89	2052.36

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1875.43	1757.66	1485.89	1373.98	979.20	979.20	805.64	636.44	477.48
45.0	2147.21	1977.75	1789.64	1588.20	1392.63	1200.25	1016.40	870.92	671.61
90.0	1885.56	1688.39	1567.42	1253.01	1015.07	979.68	805.58	637.77	477.74
135.0	2126.96	1955.37	1762.46	1555.69	1352.13	1151.76	960.98	782.46	616.73
180.0	2336.93	2149.88	1975.62	1770.99	1563.16	1363.32	1168.28	979.63	796.85
225.0	2062.48	1927.13	1735.28	1533.85	1243.42	1045.07	973.98	798.34	631.49
270.0	2259.66	2075.27	1910.07	1726.22	1535.44	1350.00	1168.28	988.69	815.50
315.0	2057.69	1891.42	1712.37	1524.25	1345.73	969.66	969.66	799.78	633.35
360.0	1875.43	1757.66	1485.89	1373.98	979.20	979.20	805.64	636.44	477.48

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	331.94	201.44	97.04	39.86	23.13	16.95	10.76	9.06	8.05
45.0	511.74	391.31	304.98	304.98	56.54	28.24	20.68	14.23	9.75
90.0	334.71	208.04	106.79	45.19	26.01	19.13	12.90	9.01	7.73
135.0	465.91	327.89	301.78	301.78	58.30	29.26	21.48	14.92	9.17
180.0	627.92	534.13	334.82	308.18	308.18	59.63	30.16	22.70	15.93
225.0	474.92	331.46	207.30	105.94	44.55	25.85	18.86	15.13	8.85
270.0	716.91	500.55	358.27	304.45	304.45	57.23	26.38	19.13	13.06
315.0	540.15	330.72	203.57	137.43	41.09	25.10	18.07	12.63	8.31
360.0	331.94	201.44	97.04	39.86	23.13	16.95	10.76	9.06	8.05

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	7.57	6.82	6.29	5.92	5.49	5.17	4.80	4.42	4.05
45.0	8.58	7.62	6.98	6.55	6.02	5.60	5.38	5.01	4.53
90.0	7.03	6.50	6.08	5.65	5.28	4.90	4.53	4.26	3.89
135.0	7.83	7.09	6.55	6.08	5.60	5.22	4.96	4.58	4.26
180.0	9.75	8.47	7.57	6.87	6.34	5.92	5.60	5.17	4.80
225.0	8.15	7.30	6.61	6.08	5.70	5.33	4.90	4.58	4.26
270.0	8.37	7.46	6.71	6.13	5.70	5.28	4.96	4.64	4.42
315.0	7.35	6.66	5.97	5.60	5.17	4.85	4.48	4.21	3.89
360.0	7.57	6.82	6.29	5.92	5.49	5.17	4.80	4.42	4.05
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	3.78	3.52	3.25	2.93	2.77	2.56	2.40	2.24	2.08
45.0	4.32	4.00	3.73	3.41	3.20	2.93	2.72	2.50	2.34
90.0	3.62	3.36	3.09	2.82	2.61	2.40	2.24	2.08	1.92
135.0	3.89	3.68	3.46	3.14	2.93	2.66	2.50	2.34	2.18
180.0	4.48	4.16	3.78	3.57	3.30	3.04	2.77	2.61	2.40
225.0	3.94	3.57	3.36	3.09	2.88	2.61	2.40	2.29	2.13
270.0	4.10	3.68	3.46	3.25	2.98	2.77	2.56	2.29	2.24
315.0	3.57	3.25	3.04	2.82	2.56	2.40	2.29	2.08	1.92
360.0	3.78	3.52	3.25	2.93	2.77	2.56	2.40	2.24	2.08
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	1.92	1.76	1.60	1.55	1.39	1.33	1.23	1.12	1.07
45.0	2.18	1.97	1.81	1.71	1.60	1.44	1.33	1.28	1.17
90.0	1.76	1.71	1.55	1.39	1.39	1.23	1.17	1.07	1.01
135.0	2.03	1.87	1.76	1.60	1.49	1.39	1.28	1.17	1.07
180.0	2.18	2.03	1.92	1.76	1.60	1.44	1.39	1.23	1.17
225.0	1.92	1.76	1.65	1.55	1.44	1.28	1.23	1.17	1.07
270.0	2.03	1.87	1.71	1.65	1.49	1.33	1.23	1.17	1.12
315.0	1.81	1.71	1.55	1.44	1.28	1.17	1.12	1.07	0.96
360.0	1.92	1.76	1.60	1.55	1.39	1.33	1.23	1.12	1.07
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	1.01	0.96	0.85	0.85	0.80	0.69	0.64	0.64	0.59
45.0	1.12	1.07	0.96	0.91	0.85	0.75	0.69	0.69	0.64
90.0	0.91	0.91	0.85	0.80	0.69	0.64	0.59	0.59	0.53
135.0	1.01	0.96	0.91	0.85	0.75	0.75	0.69	0.64	0.59
180.0	1.07	1.01	0.96	0.85	0.85	0.75	0.75	0.69	0.59
225.0	1.01	0.91	0.85	0.80	0.75	0.64	0.64	0.59	0.53
270.0	1.01	0.91	0.91	0.85	0.75	0.75	0.69	0.64	0.53
315.0	0.91	0.91	0.80	0.69	0.69	0.64	0.59	0.53	0.48
360.0	1.01	0.96	0.85	0.85	0.80	0.69	0.64	0.64	0.59
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.53	0.48	0.48	0.43	0.43	0.37	0.37	0.43	0.37
45.0	0.53	0.48	0.48	0.48	0.43	0.37	0.37	0.43	0.32
90.0	0.43	0.48	0.43	0.43	0.37	0.32	0.37	0.32	0.27
135.0	0.53	0.53	0.48	0.43	0.43	0.37	0.32	0.32	0.32
180.0	0.59	0.53	0.48	0.43	0.37	0.37	0.27	0.32	0.32
225.0	0.48	0.48	0.37	0.37	0.37	0.27	0.27	0.27	0.27
270.0	0.53	0.43	0.43	0.43	0.32	0.32	0.32	0.32	0.27
315.0	0.43	0.37	0.37	0.37	0.32	0.27	0.32	0.27	0.27
360.0	0.53	0.48	0.48	0.43	0.43	0.37	0.37	0.43	0.37

Intensity data(cd)

C/ γ (°)	90.0
0.0	0.43
45.0	0.32
90.0	0.32
135.0	0.37
180.0	0.27
225.0	0.21
270.0	0.27
315.0	0.21
360.0	0.43