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NT

Client: NT

LumCAT: 2-2941-L

Luminaire: 92.70.411.00 LED HOLDER

Report No: 20250318-B006

Ballast type: AC

Test No: 20250318-C006

Voltage(V): 35.990

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

Lamp flux(lm): 3990.4 Power (W): 32.280

Number of Lamps: 1 PF: 0.000

Length(mm): 75 Width(mm): 75

Phm Type: C Height(mm): 52

Photometric Results

Lumens(lm): 3701.83, Efficiency(%): 92.77% , Luminous Efficacy(lm/W): 114.68

Central intensity(cd): 14325.040, Maximum intensity(cd): 14506.230

Angle of maximum intensity: C=135.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=24.2

[C90/270]Total=24.1

Field angle(10%Imax): [C0/180]Total=55.0

[C90/270]Total=55.1

Maximum s/h(1/2): C0_180=0.45 C90_270=0.38

Maximum s/h(1/4): C0_180=0.47 C90_270=0.42

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.71%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 100.017%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	14420.967	0.000	0	0.00%	0.00%
1.0	14330.374	13.757	13.757	0.34%	0.37%
2.0	14077.912	40.774	54.531	1.02%	1.47%
3.0	13731.527	66.511	121.042	1.67%	3.27%
4.0	13254.582	90.331	211.373	2.26%	5.71%
5.0	12679.716	111.568	322.941	2.80%	8.72%
6.0	11872.239	129.027	451.968	3.23%	12.21%
7.0	11105.663	142.623	594.592	3.57%	16.06%
8.0	10514.410	154.731	749.323	3.88%	20.24%
9.0	9763.354	164.340	913.663	4.12%	24.68%
10.0	8866.350	168.592	1082.255	4.22%	29.24%
11.0	8052.945	169.059	1251.313	4.24%	33.80%
12.0	7295.161	167.777	1419.09	4.20%	38.33%
13.0	6561.358	164.442	1583.532	4.12%	42.78%
14.0	5917.615	159.730	1743.262	4.00%	47.09%
15.0	5349.943	154.686	1897.948	3.88%	51.27%
16.0	4826.169	149.109	2047.056	3.74%	55.30%
17.0	4353.154	142.947	2190.003	3.58%	59.16%
18.0	3961.405	137.089	2327.092	3.44%	62.86%
19.0	3567.459	130.987	2458.079	3.28%	66.40%
20.0	3241.458	124.622	2582.701	3.12%	69.77%
21.0	2883.682	117.615	2700.316	2.95%	72.95%
22.0	2634.285	110.886	2811.202	2.78%	75.94%
23.0	2463.490	106.965	2918.167	2.68%	78.83%
24.0	2193.243	101.813	3019.98	2.55%	81.58%
25.0	1885.693	92.746	3112.726	2.32%	84.09%
26.0	1710.902	84.898	3197.624	2.13%	86.38%
27.0	1507.468	78.738	3276.362	1.97%	88.51%
28.0	1305.778	71.225	3347.588	1.78%	90.43%
29.0	1164.786	64.637	3412.225	1.62%	92.18%
30.0	1029.836	59.254	3471.479	1.48%	93.78%
31.0	859.728	52.584	3524.063	1.32%	95.20%
32.0	707.851	44.909	3568.972	1.13%	96.41%
33.0	547.315	36.978	3605.95	0.93%	97.41%
34.0	419.939	29.272	3635.222	0.73%	98.20%
35.0	291.483	22.094	3657.316	0.55%	98.80%
36.0	208.404	15.916	3673.232	0.40%	99.23%
37.0	134.397	11.180	3684.413	0.28%	99.53%

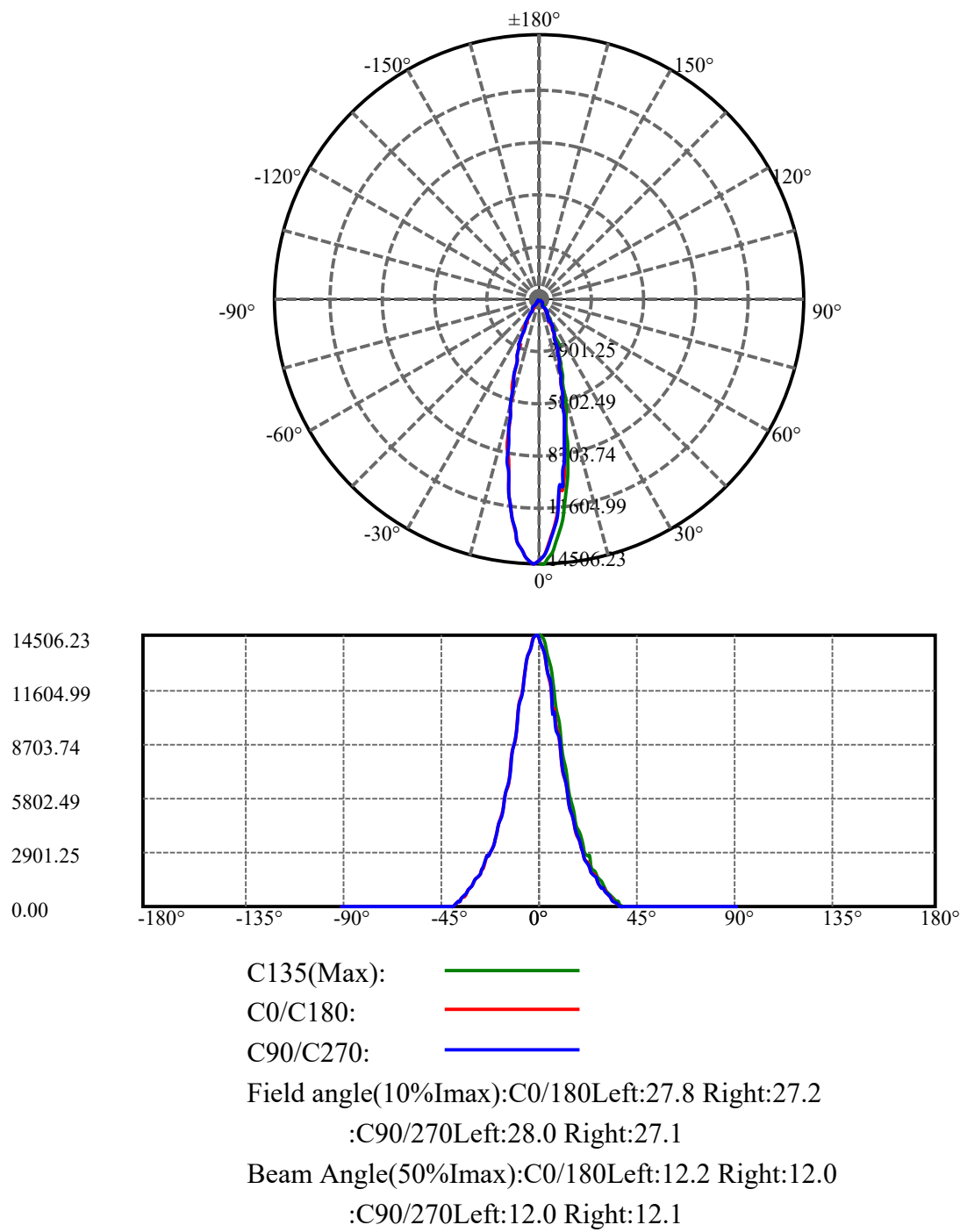
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	38.908	5.785	3690.197	0.14%	99.69%
39.0	18.731	1.967	3692.165	0.05%	99.74%
40.0	13.303	1.117	3693.282	0.03%	99.77%
41.0	10.132	0.834	3694.116	0.02%	99.79%
42.0	8.393	0.673	3694.789	0.02%	99.81%
43.0	7.414	0.586	3695.375	0.01%	99.83%
44.0	6.575	0.528	3695.903	0.01%	99.84%
45.0	5.802	0.476	3696.379	0.01%	99.85%
46.0	5.262	0.433	3696.811	0.01%	99.86%
47.0	4.763	0.399	3697.21	0.01%	99.88%
48.0	4.350	0.368	3697.578	0.01%	99.89%
49.0	3.937	0.340	3697.919	0.01%	99.89%
50.0	3.604	0.314	3698.233	0.01%	99.90%
51.0	3.271	0.291	3698.524	0.01%	99.91%
52.0	2.971	0.268	3698.792	0.01%	99.92%
53.0	2.698	0.247	3699.038	0.01%	99.92%
54.0	2.431	0.226	3699.264	0.01%	99.93%
55.0	2.212	0.207	3699.472	0.01%	99.94%
56.0	1.998	0.190	3699.662	0.00%	99.94%
57.0	1.799	0.174	3699.836	0.00%	99.95%
58.0	1.639	0.159	3699.995	0.00%	99.95%
59.0	1.485	0.146	3700.141	0.00%	99.95%
60.0	1.339	0.133	3700.274	0.00%	99.96%
61.0	1.226	0.122	3700.396	0.00%	99.96%
62.0	1.092	0.112	3700.508	0.00%	99.96%
63.0	1.006	0.102	3700.61	0.00%	99.97%
64.0	0.899	0.093	3700.704	0.00%	99.97%
65.0	0.839	0.086	3700.79	0.00%	99.97%
66.0	0.746	0.079	3700.869	0.00%	99.97%
67.0	0.679	0.072	3700.94	0.00%	99.98%
68.0	0.619	0.066	3701.006	0.00%	99.98%
69.0	0.580	0.061	3701.067	0.00%	99.98%
70.0	0.513	0.056	3701.124	0.00%	99.98%
71.0	0.480	0.051	3701.175	0.00%	99.98%
72.0	0.453	0.048	3701.223	0.00%	99.98%
73.0	0.406	0.045	3701.268	0.00%	99.98%
74.0	0.380	0.041	3701.31	0.00%	99.99%
75.0	0.373	0.040	3701.349	0.00%	99.99%

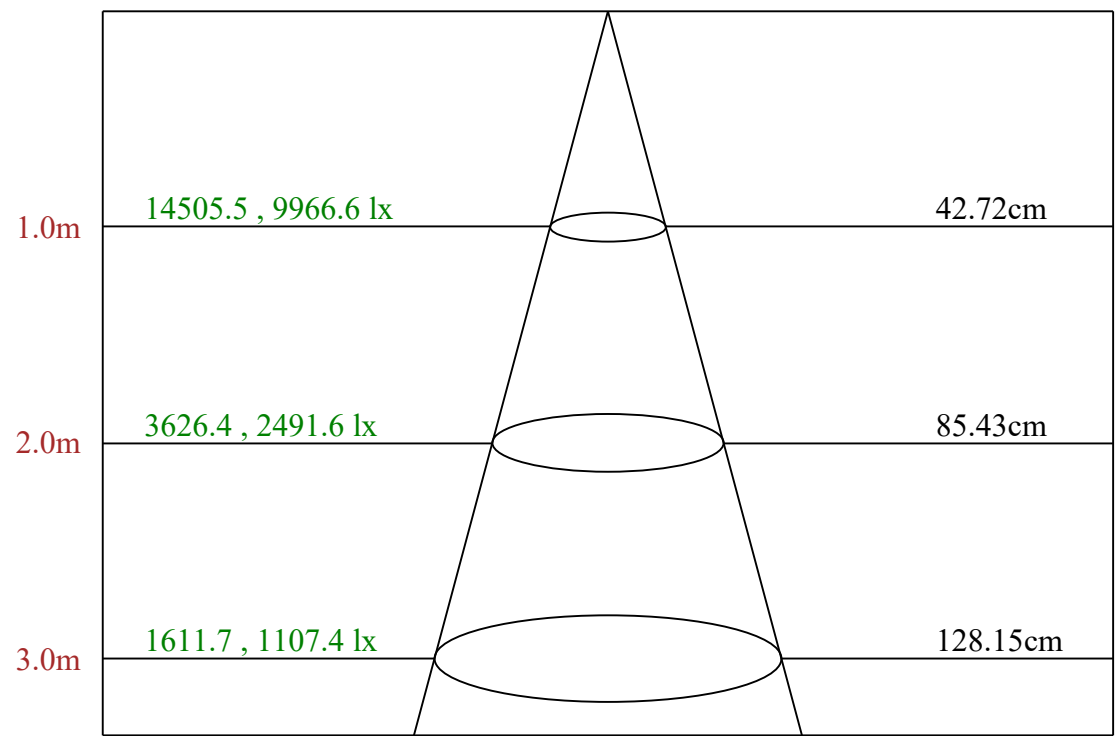
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.340	0.038	3701.387	0.00%	99.99%
77.0	0.333	0.036	3701.423	0.00%	99.99%
78.0	0.320	0.035	3701.458	0.00%	99.99%
79.0	0.313	0.034	3701.492	0.00%	99.99%
80.0	0.306	0.033	3701.525	0.00%	99.99%
81.0	0.293	0.032	3701.558	0.00%	99.99%
82.0	0.300	0.032	3701.59	0.00%	99.99%
83.0	0.286	0.032	3701.622	0.00%	99.99%
84.0	0.266	0.030	3701.652	0.00%	100.00%
85.0	0.280	0.030	3701.682	0.00%	100.00%
86.0	0.266	0.030	3701.712	0.00%	100.00%
87.0	0.280	0.030	3701.742	0.00%	100.00%
88.0	0.266	0.030	3701.771	0.00%	100.00%
89.0	0.266	0.029	3701.801	0.00%	100.00%
90.0	0.253	0.028	3701.829	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	3471.48	87.00%	93.78%
0-40	3693.28	92.55%	99.77%
0-60	3700.27	92.73%	99.96%
0-90	3701.80	92.77%	100.00%
0-120	3701.80	92.77%	100.00%
0-180	3701.83	92.77%	100.00%
60-90	1.53	0.04%	0.04%
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%
0-23.43	2961.46	74.21%	80.00%

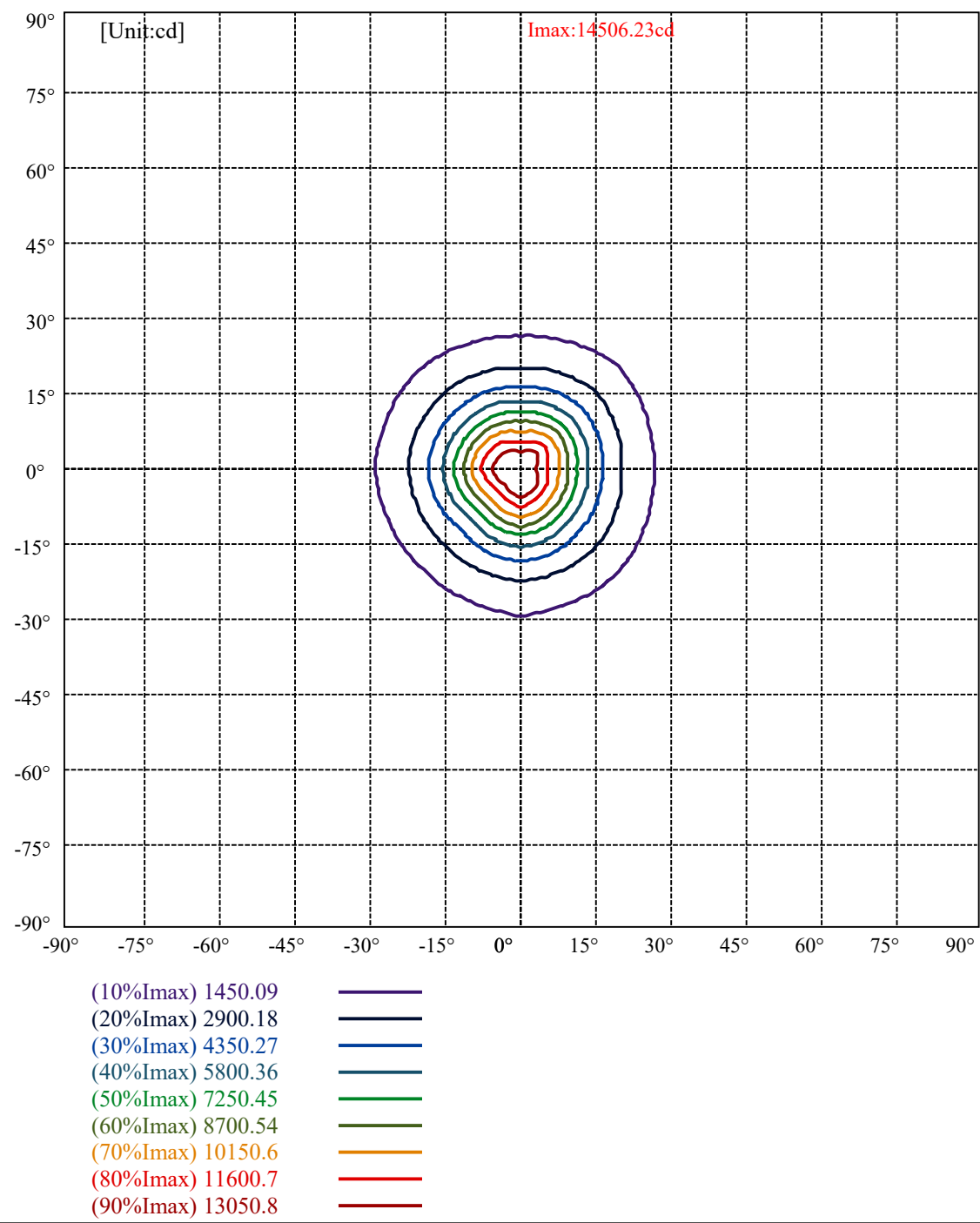
ZONAL LUMEN SUMMARY

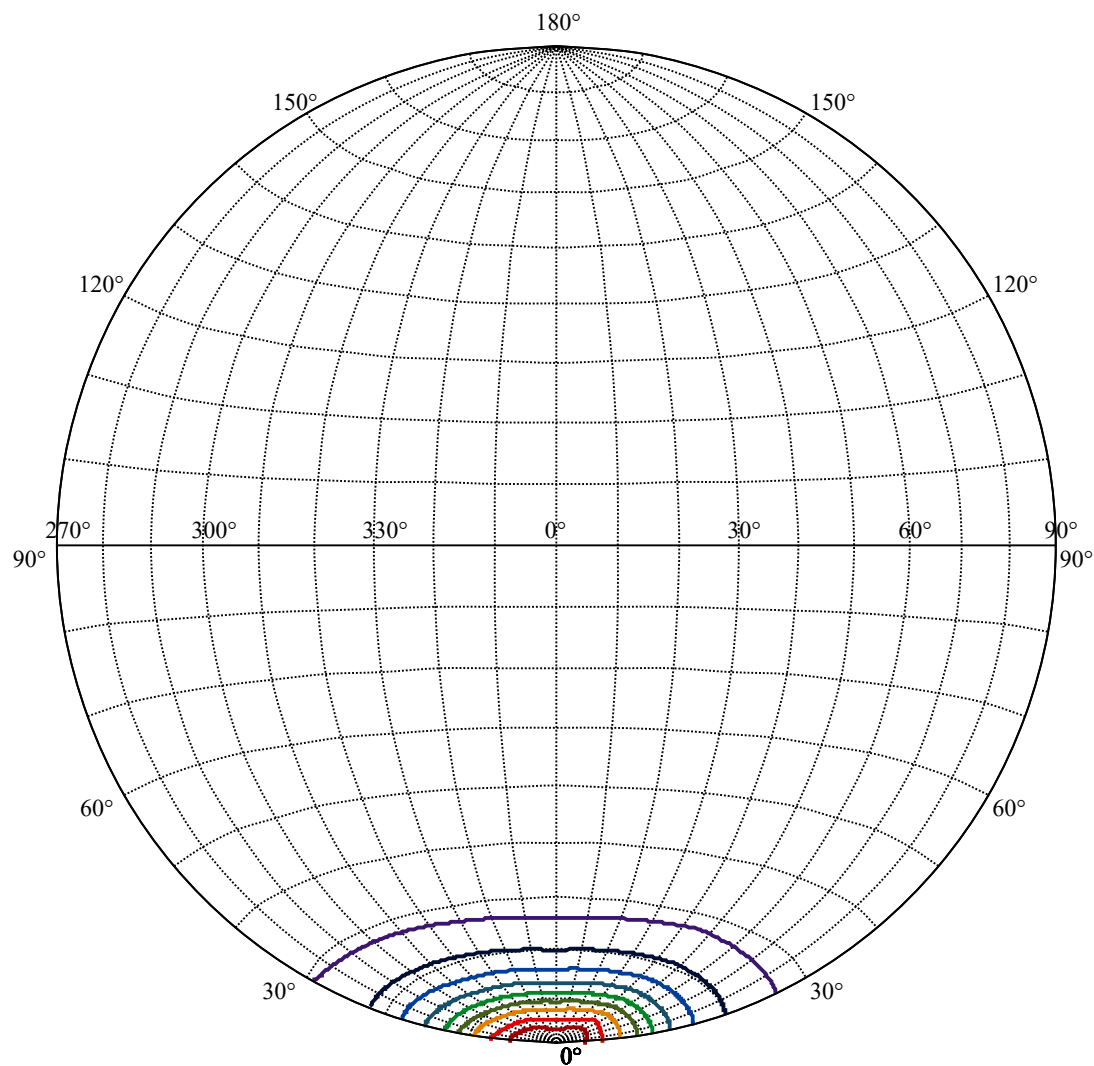
0-10	1082.25
10-20	1500.45
20-30	888.78
30-40	221.80
40-50	4.95
50-60	2.04
60-70	0.85
70-80	0.40
80-90	0.28
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C135 plane 24.11





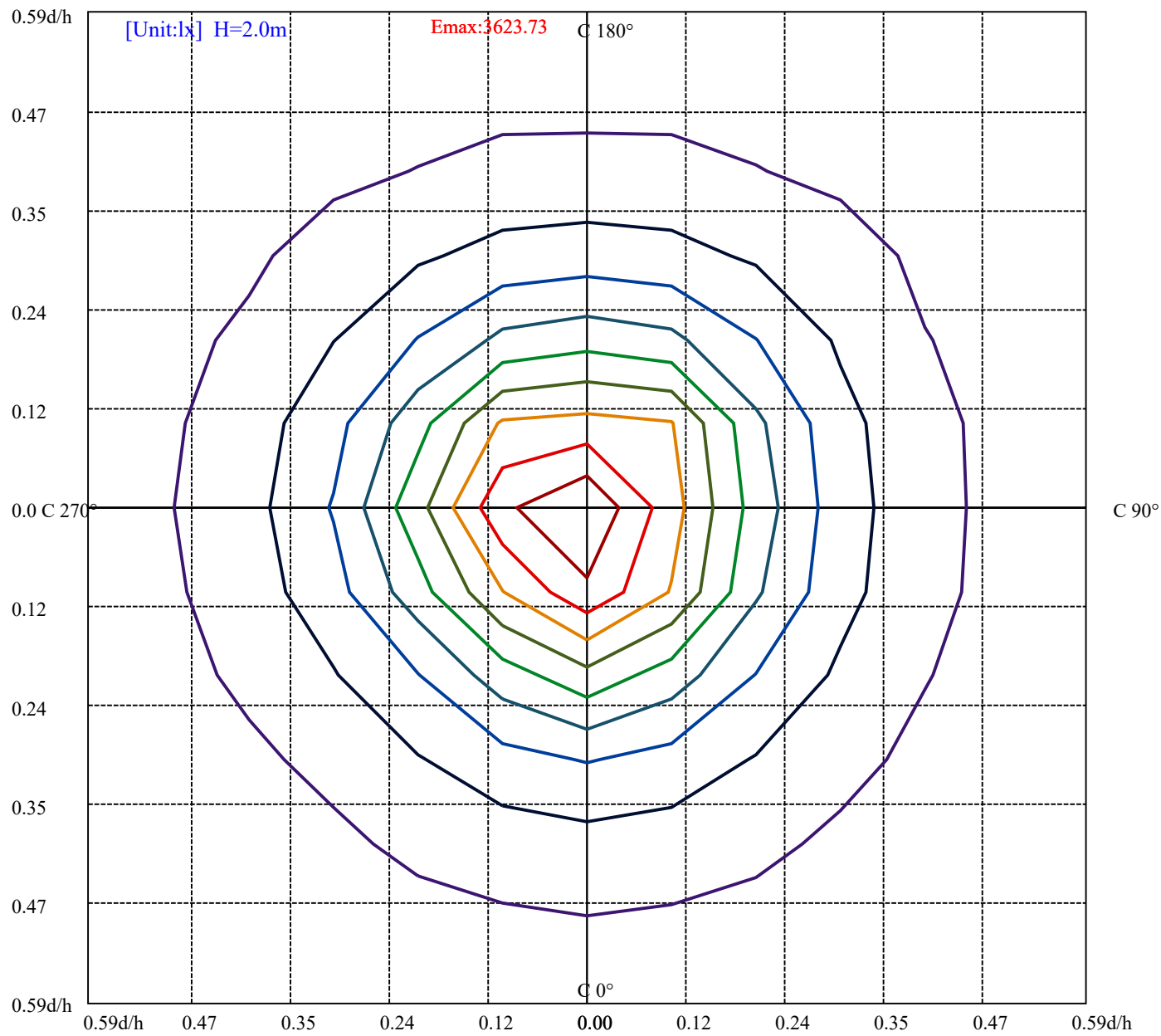
House

[Unit:cd]

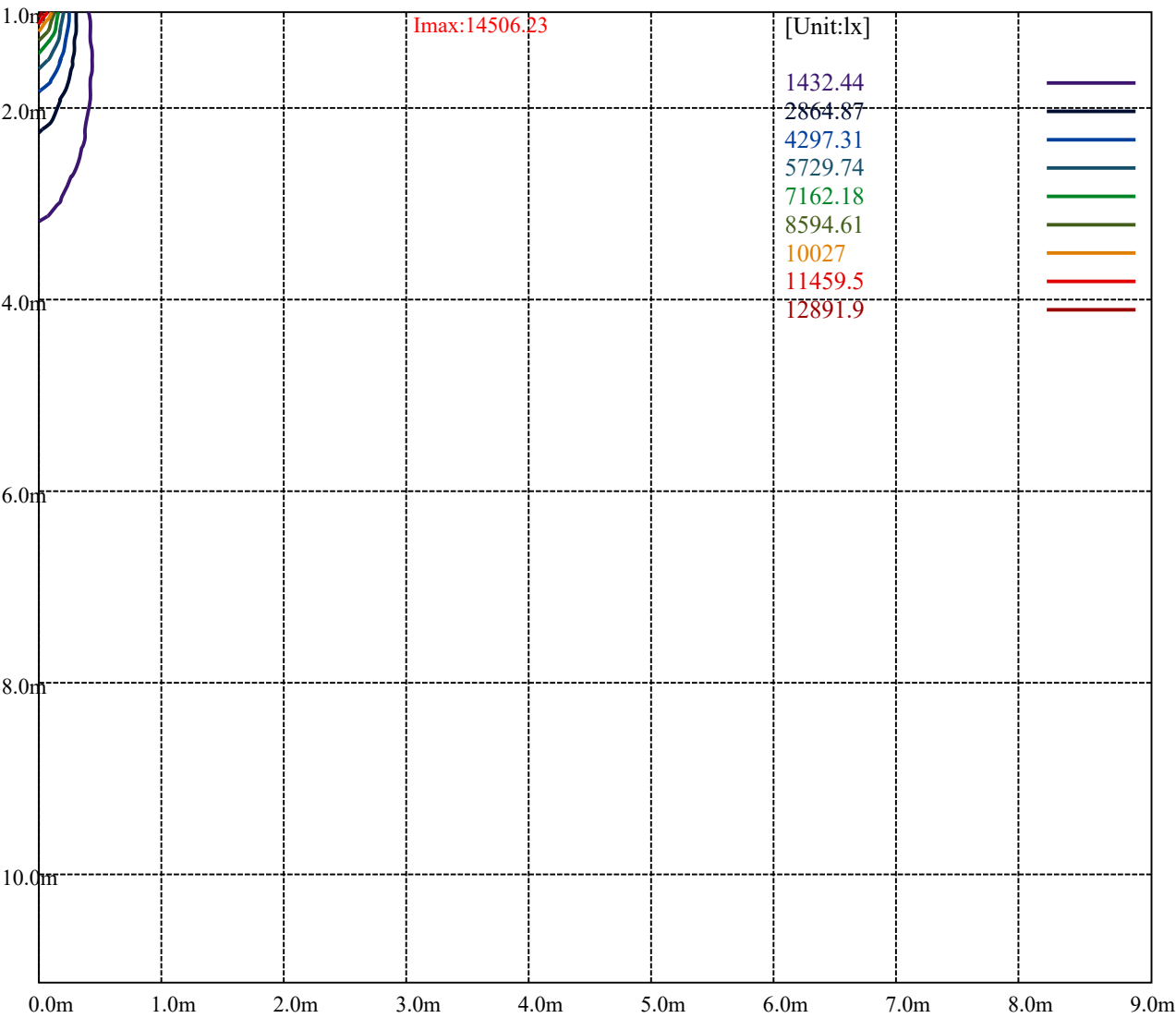
Road

Imax:14506.23

(10%Imax)	1450.55	—
(20%Imax)	2901.11	—
(30%Imax)	4351.66	—
(40%Imax)	5802.22	—
(50%Imax)	7252.77	—
(60%Imax)	8703.32	—
(70%Imax)	10153.9	—
(80%Imax)	11604.4	—
(90%Imax)	13055	—



(10%Emax)	362.3725	
(20%Emax)	724.7425	
(30%Emax)	1087.115	
(40%Emax)	1449.485	
(50%Emax)	1811.858	
(60%Emax)	2174.23	
(70%Emax)	2536.6	
(80%Emax)	2898.975	
(90%Emax)	3261.35	



Luminance Table

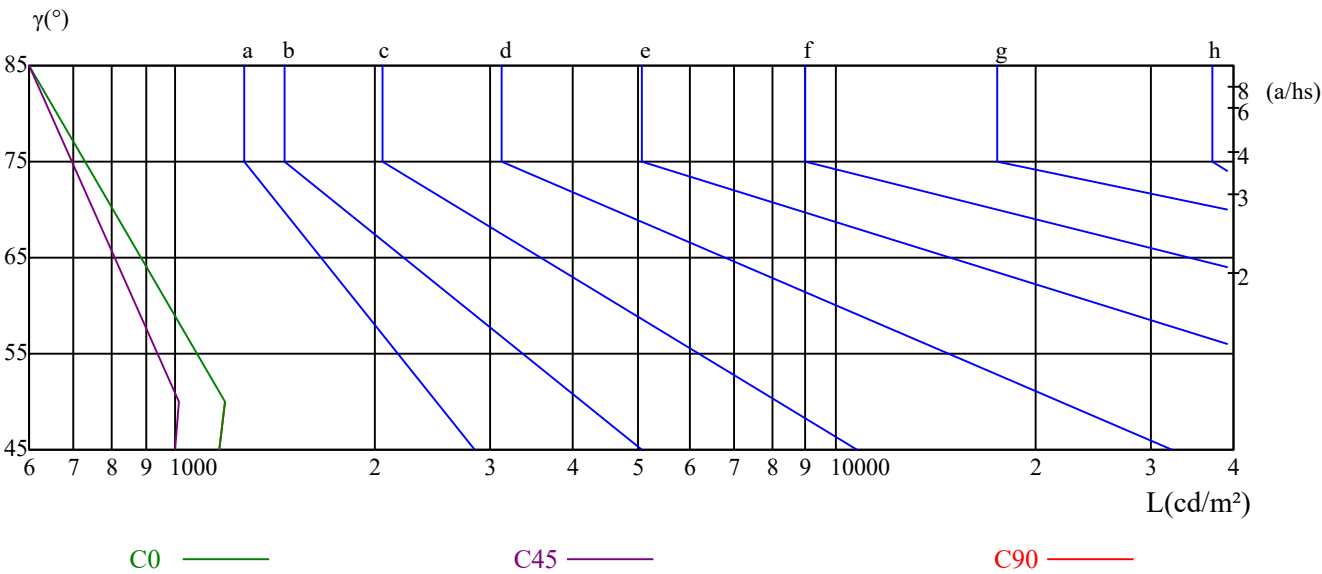
γ	45	50	55	60	65	70	75	80	85
C0	1161	1189	0	0	0	0	0	0	112
C45	1000	1009	0	0	0	0	0	0	82
C90	1161	1189	0	0	0	0	0	0	0

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	462	0	231

Glare Table

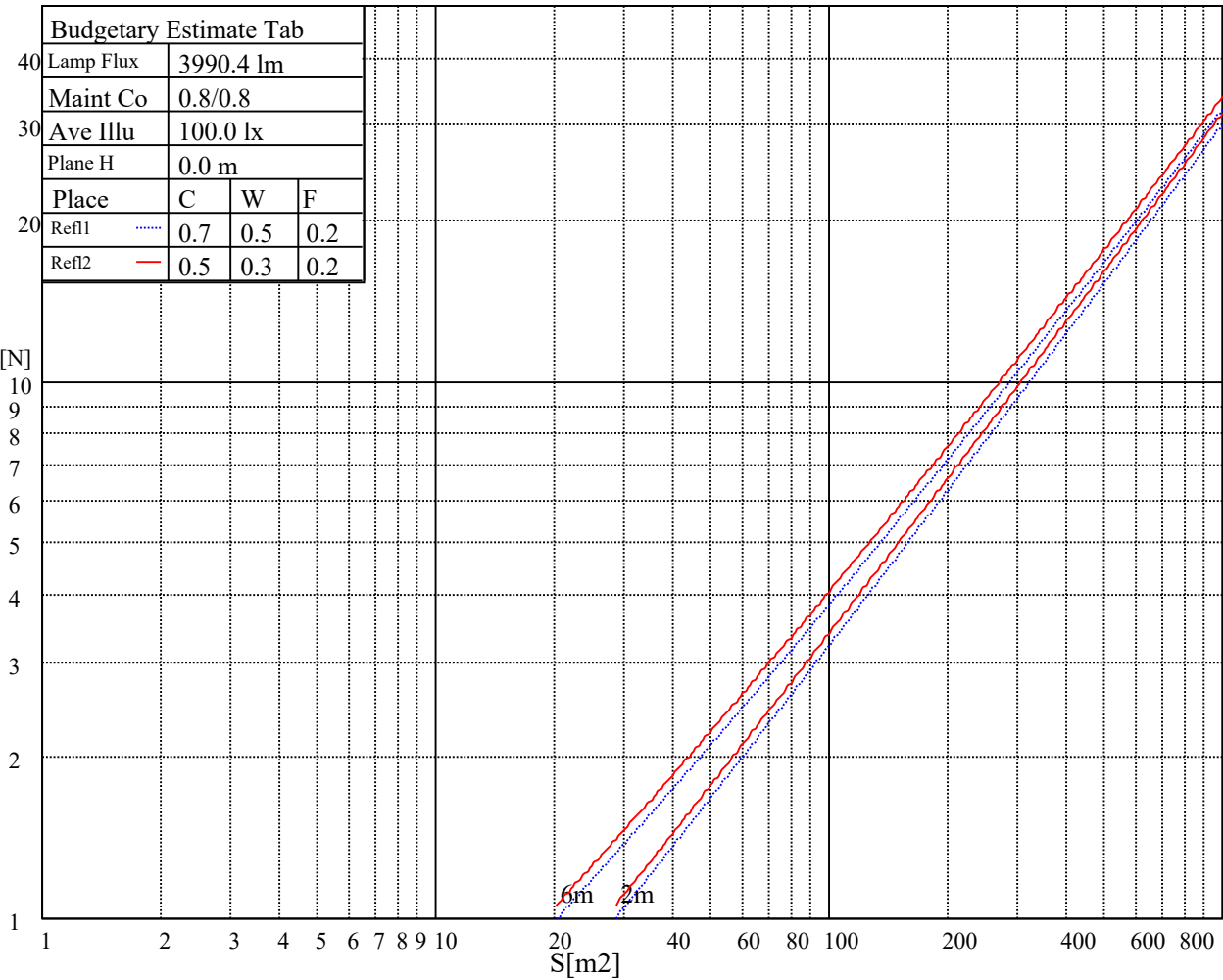
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

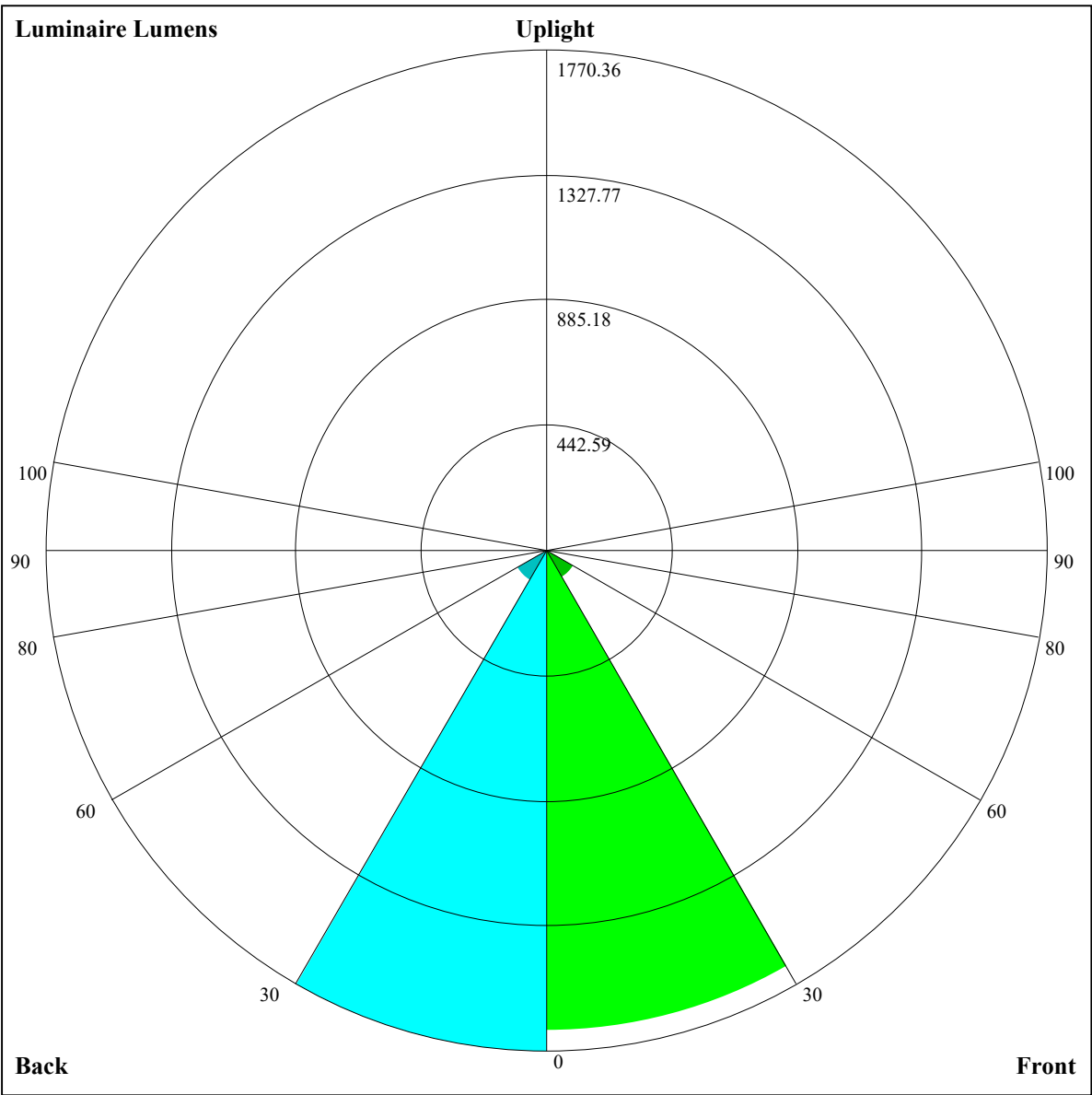


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	12.27	13.15	12.64	13.46	13.78	12.09	12.97	12.45	13.28	13.59
	3H	12.05	12.83	12.43	13.16	13.51	11.86	12.64	12.25	12.98	13.33
	4H	11.93	12.65	12.34	13.01	13.38	11.75	12.47	12.15	12.82	13.19
	6H	11.84	12.49	12.26	12.87	13.27	11.65	12.31	12.07	12.69	13.09
	8H	11.76	12.38	12.18	12.77	13.18	11.57	12.20	12.00	12.58	12.99
	12H	11.68	12.27	12.11	12.67	13.09	11.50	12.09	11.93	12.48	12.90
4H	2H	11.93	12.65	12.34	13.01	13.38	11.75	12.47	12.15	12.82	13.19
	3H	11.66	12.27	12.09	12.66	13.08	11.48	12.08	11.91	12.48	12.90
	4H	11.58	12.09	12.02	12.52	12.97	11.39	11.91	11.83	12.34	12.79
	6H	11.42	11.88	11.90	12.33	12.79	11.24	11.70	11.72	12.15	12.61
	8H	11.36	11.78	11.85	12.24	12.72	11.18	11.60	11.67	12.06	12.53
	12H	11.30	11.69	11.80	12.14	12.67	11.12	11.51	11.61	11.96	12.48
8H	4H	11.36	11.78	11.85	12.24	12.72	11.18	11.60	11.66	12.06	12.53
	6H	11.19	11.53	11.70	12.01	12.53	11.01	11.35	11.52	11.83	12.35
	8H	11.17	11.45	11.71	11.98	12.48	10.99	11.27	11.53	11.80	12.29
	12H	11.11	11.32	11.66	11.84	12.37	10.93	11.14	11.48	11.66	12.18
12H	4H	11.30	11.69	11.79	12.14	12.67	11.12	11.51	11.61	11.96	12.48
	6H	11.17	11.45	11.71	11.98	12.48	10.99	11.27	11.53	11.80	12.29
	8H	11.11	11.32	11.66	11.84	12.37	10.93	11.14	11.48	11.66	12.18
Variation with the observer position at spacings:											
S = 1.0H		6.7/-21.6					6.7/-21.4				
S = 1.5H		9.5/-23.0					9.5/-22.8				
S = 2.0H		11.5/-23.3					11.5/-23.0				
Standard tables:		BK0					BK0				
Uncorrected UGR		-7.2					-7.0				

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	1.10	1.10	1.10	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	1.04	1.03	1.01	1.02	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.89
2	0.99	0.96	0.94	0.98	0.95	0.93	0.95	0.93	0.91	0.92	0.90	0.89	0.90	0.88	0.87	0.86
3	0.95	0.91	0.88	0.93	0.90	0.88	0.91	0.88	0.86	0.89	0.87	0.85	0.87	0.85	0.84	0.82
4	0.90	0.87	0.84	0.89	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
5	0.87	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.79	0.83	0.80	0.78	0.82	0.79	0.77	0.76
6	0.83	0.79	0.76	0.83	0.79	0.76	0.81	0.78	0.76	0.80	0.77	0.75	0.79	0.77	0.75	0.74
7	0.80	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.71
8	0.77	0.73	0.70	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.74	0.72	0.70	0.69
9	0.75	0.71	0.68	0.74	0.70	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.66
10	0.72	0.68	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.64



Luminaire Lumens:

FL=1699.37,FM=110.84,FH=0.62,FVH=0.15

BL=1770.36,BM=123.76,BH=0.63,BVH=0.15

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	14325.04	14031.95	13616.29	13083.39	12481.21	11729.82	10557.97	10557.97	9726.12
45.0	14495.57	14415.64	14191.82	13813.46	13339.18	12774.31	12113.51	11388.77	10605.40
90.0	14357.02	14063.92	13637.60	13147.34	12550.49	11884.36	10342.68	10342.68	9492.71
135.0	14506.23	14463.60	14223.79	13850.76	13381.81	12811.61	12172.13	11452.71	10669.35
180.0	14325.04	14474.26	14436.95	14191.82	13824.12	13349.84	12779.63	12145.48	11404.75
225.0	14495.57	14346.36	14042.61	13797.47	13328.52	12768.98	12118.84	10440.74	10440.74
270.0	14357.02	14500.90	14431.62	14170.50	13802.80	13339.18	12774.31	12102.85	11362.12
315.0	14506.23	14346.36	14042.61	13797.47	13328.52	12779.63	12118.84	10414.09	10414.09
360.0	14325.04	14031.95	13616.29	13083.39	12481.21	11729.82	10557.97	10557.97	9726.12
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8883.60	8037.89	7248.13	6542.57	5913.75	5340.88	4813.31	4344.36	3915.91
45.0	9774.08	8921.44	8079.46	7296.09	6571.35	5915.88	5335.02	4812.78	4338.50
90.0	8967.80	8102.37	7315.81	6588.94	5931.87	5347.28	4817.04	4348.09	3920.17
135.0	9827.37	8964.07	8111.43	7322.74	6592.67	5931.87	5345.68	4828.77	4354.49
180.0	10791.92	9800.72	8932.10	8244.66	7439.98	6571.35	6038.45	5441.60	4914.03
225.0	9581.17	8713.61	7875.89	7101.05	6408.28	5777.33	5211.92	4701.40	4234.05
270.0	10722.64	9699.47	9001.37	8159.39	7216.16	6661.94	6006.48	5414.96	4892.71
315.0	9558.25	8691.23	7859.37	7105.85	6416.81	5794.38	5231.64	4717.39	4255.37
360.0	8883.60	8037.89	7248.13	6542.57	5913.75	5340.88	4813.31	4344.36	3915.91
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3519.43	3161.32	2843.18	2566.61	2306.55	2066.21	1837.07	1695.85	1498.67
45.0	3901.52	3661.72	3294.01	2830.39	2713.15	2713.15	2116.84	1886.09	1694.25
90.0	3526.89	3166.12	2838.39	2553.28	2290.03	2043.30	1814.68	1642.02	1488.02
135.0	3922.84	3677.70	3304.67	2841.05	2723.81	2723.81	2101.92	1866.38	1672.93
180.0	4439.75	3997.44	3592.44	3230.07	2899.67	2718.48	2718.48	2110.98	1967.63
225.0	3974.53	3436.83	3226.34	2897.54	2600.71	2342.79	2100.85	1860.51	1672.93
270.0	4407.78	3986.78	3592.44	3230.07	2905.00	2729.14	2729.14	2130.16	1988.94
315.0	3998.51	3451.75	3240.19	2920.45	2635.35	2371.03	2126.96	1893.55	1703.84
360.0	3519.43	3161.32	2843.18	2566.61	2306.55	2066.21	1837.07	1695.85	1498.67
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1253.54	1024.07	1024.07	859.19	700.66	550.75	405.59	276.47	161.74
45.0	1541.84	1361.72	1191.72	1016.40	849.07	692.40	542.65	456.32	272.47
90.0	1224.76	1004.04	1004.04	839.53	682.54	529.81	387.42	258.30	147.67
135.0	1523.19	1353.73	1161.88	993.49	829.35	668.95	516.54	433.41	304.45
180.0	1746.47	1526.39	1426.73	1242.35	1053.70	887.44	726.50	572.49	431.81
225.0	1518.39	1250.88	1023.97	985.71	820.35	692.61	512.12	373.72	274.07
270.0	1702.24	1553.56	1457.11	1273.26	1087.28	911.95	746.75	589.01	444.07
315.0	1549.30	1371.84	1028.76	1028.76	854.88	728.90	540.95	399.78	295.60
360.0	1253.54	1024.07	1024.07	859.19	700.66	550.75	405.59	276.47	161.74
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	70.82	25.37	16.79	12.68	9.70	8.74	8.10	6.82	6.13
45.0	272.47	164.56	34.37	18.49	14.39	10.23	9.11	8.10	7.03
90.0	63.79	23.98	17.00	12.36	9.17	8.15	7.14	6.29	5.49
135.0	304.45	91.13	32.45	18.23	14.07	9.91	8.47	7.46	6.45
180.0	301.25	301.25	74.82	27.34	17.53	13.27	9.91	8.74	8.15
225.0	163.12	74.61	26.38	16.68	12.52	9.06	8.05	7.09	6.29
270.0	312.97	312.97	81.32	28.40	17.32	13.11	8.69	8.05	7.14
315.0	178.36	81.32	28.14	15.67	11.72	8.58	7.67	6.77	5.92
360.0	70.82	25.37	16.79	12.68	9.70	8.74	8.10	6.82	6.13

Intensity data(cd)

Appendix Page: 18 Total:19

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	5.81	5.22	4.74	4.42	4.05	3.68	3.30	3.04	2.72
45.0	6.29	5.70	5.17	4.69	4.26	3.94	3.52	3.25	2.98
90.0	5.06	4.74	4.10	3.89	3.52	3.25	2.93	2.66	2.34
135.0	5.76	5.17	4.64	4.16	3.84	3.52	3.20	2.93	2.61
180.0	6.82	6.08	5.65	5.12	4.58	4.21	3.84	3.46	3.09
225.0	5.54	4.96	4.53	4.10	3.68	3.36	3.04	2.72	2.61
270.0	5.86	5.44	4.96	4.48	4.05	3.68	3.36	3.09	2.77
315.0	5.28	4.80	4.32	3.94	3.52	3.20	2.98	2.61	2.45
360.0	5.81	5.22	4.74	4.42	4.05	3.68	3.30	3.04	2.72
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	2.40	2.13	1.92	1.76	1.60	1.39	1.28	1.23	1.07
45.0	2.72	2.45	2.13	1.97	1.81	1.65	1.44	1.33	1.17
90.0	2.18	1.97	1.81	1.60	1.44	1.33	1.17	1.07	0.96
135.0	2.40	2.18	2.03	1.81	1.60	1.55	1.33	1.23	1.07
180.0	2.82	2.56	2.29	2.03	1.92	1.71	1.49	1.39	1.23
225.0	2.24	2.03	1.87	1.71	1.55	1.33	1.28	1.12	1.01
270.0	2.50	2.34	2.08	1.87	1.71	1.55	1.44	1.28	1.17
315.0	2.18	2.03	1.87	1.65	1.49	1.39	1.28	1.17	1.07
360.0	2.40	2.13	1.92	1.76	1.60	1.39	1.28	1.23	1.07
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	0.96	0.91	0.80	0.75	0.64	0.59	0.59	0.53	0.43
45.0	1.12	1.01	0.91	0.85	0.75	0.64	0.64	0.59	0.53
90.0	0.91	0.80	0.75	0.64	0.59	0.48	0.48	0.48	0.43
135.0	1.01	0.91	0.80	0.69	0.64	0.64	0.59	0.53	0.48
180.0	1.12	1.01	0.96	0.85	0.80	0.75	0.64	0.59	0.53
225.0	0.91	0.85	0.80	0.69	0.64	0.59	0.53	0.43	0.43
270.0	1.07	0.91	0.91	0.80	0.75	0.69	0.64	0.53	0.53
315.0	0.96	0.80	0.80	0.69	0.64	0.59	0.53	0.43	0.48
360.0	0.96	0.91	0.80	0.75	0.64	0.59	0.59	0.53	0.43
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	0.43	0.43	0.37	0.32	0.37	0.37	0.37	0.32	0.32
45.0	0.48	0.43	0.43	0.43	0.37	0.37	0.37	0.37	0.37
90.0	0.37	0.37	0.37	0.37	0.32	0.32	0.32	0.27	0.27
135.0	0.48	0.37	0.37	0.43	0.32	0.32	0.32	0.37	0.32
180.0	0.48	0.48	0.43	0.43	0.37	0.32	0.37	0.32	0.32
225.0	0.48	0.37	0.32	0.32	0.32	0.32	0.27	0.27	0.27
270.0	0.48	0.43	0.43	0.37	0.37	0.32	0.27	0.32	0.27
315.0	0.43	0.37	0.32	0.32	0.27	0.32	0.27	0.27	0.32
360.0	0.43	0.43	0.37	0.32	0.37	0.37	0.37	0.32	0.32
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.32	0.32	0.32	0.27	0.32	0.32	0.32	0.32	0.37
45.0	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.27	0.32
90.0	0.32	0.32	0.27	0.32	0.27	0.27	0.32	0.32	0.32
135.0	0.27	0.32	0.32	0.32	0.32	0.27	0.32	0.32	0.27
180.0	0.32	0.32	0.27	0.21	0.32	0.27	0.27	0.27	0.21
225.0	0.27	0.27	0.32	0.21	0.27	0.27	0.21	0.16	0.21
270.0	0.27	0.27	0.21	0.21	0.21	0.21	0.27	0.21	0.21
315.0	0.27	0.27	0.27	0.27	0.21	0.21	0.21	0.27	0.21
360.0	0.32	0.32	0.32	0.27	0.32	0.32	0.32	0.32	0.37

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	0.32
45.0	0.32
90.0	0.32
135.0	0.21
180.0	0.21
225.0	0.16
270.0	0.21
315.0	0.27
360.0	0.32