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NT

Client: NT

LumCAT: 2-2943-L

Luminaire: 92.70.411.00 LED HOLDER

Report No: 20250318-B008

Ballast type: AC

Test No: 20250318-C008

Voltage(V): 36.110

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

Lamp flux(lm): 3955.3 Power (W): 32.370

Number of Lamps: 1 PF: 0.000

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

Phm Type: C Height(mm): 52

Photometric Results

Lumens(lm): 3701.38, Efficiency(%): 93.58% , Luminous Efficacy(lm/W): 114.35

Central intensity(cd): 6547.902, Maximum intensity(cd): 6567.619

Angle of maximum intensity: C=45.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=48.2

[C90/270]Total=48.1

Field angle(10%Imax): [C0/180]Total=67.3

[C90/270]Total=67.2

Maximum s/h(1/2): C0_180=0.81 C90_270=0.74

Maximum s/h(1/4): C0_180=0.77 C90_270=0.72

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.53%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.945%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6550.700	0.000	0	0.00%	0.00%
1.0	6530.250	6.259	6.259	0.16%	0.17%
2.0	6469.366	18.658	24.917	0.47%	0.67%
3.0	6393.161	30.763	55.68	0.78%	1.50%
4.0	6316.157	42.542	98.222	1.08%	2.65%
5.0	6222.966	53.943	152.165	1.36%	4.11%
6.0	6125.246	64.893	217.058	1.64%	5.86%
7.0	6023.662	75.408	292.466	1.91%	7.90%
8.0	5918.880	85.470	377.937	2.16%	10.21%
9.0	5813.633	95.086	473.022	2.40%	12.78%
10.0	5706.586	104.254	577.276	2.64%	15.60%
11.0	5599.740	112.973	690.25	2.86%	18.65%
12.0	5492.960	121.259	811.509	3.07%	21.92%
13.0	5383.716	129.079	940.587	3.26%	25.41%
14.0	5271.807	136.390	1076.977	3.45%	29.10%
15.0	5150.239	143.078	1220.056	3.62%	32.96%
16.0	5014.482	148.942	1368.997	3.77%	36.99%
17.0	4870.133	153.930	1522.927	3.89%	41.14%
18.0	4687.615	157.587	1680.514	3.98%	45.40%
19.0	4502.832	159.895	1840.409	4.04%	49.72%
20.0	4265.292	160.481	2000.89	4.06%	54.06%
21.0	4014.163	158.982	2159.872	4.02%	58.35%
22.0	3803.800	157.105	2316.977	3.97%	62.60%
23.0	3550.406	154.311	2471.288	3.90%	66.77%
24.0	3303.674	149.855	2621.143	3.79%	70.82%
25.0	3062.070	144.743	2765.886	3.66%	74.73%
26.0	2800.683	138.391	2904.277	3.50%	78.46%
27.0	2543.692	130.751	3035.028	3.31%	82.00%
28.0	2251.063	121.393	3156.422	3.07%	85.28%
29.0	1947.710	109.852	3266.273	2.78%	88.24%
30.0	1551.965	94.491	3360.764	2.39%	90.80%
31.0	1252.508	78.044	3438.808	1.97%	92.91%
32.0	1063.069	66.339	3505.147	1.68%	94.70%
33.0	816.076	55.360	3560.507	1.40%	96.19%
34.0	582.360	42.321	3602.828	1.07%	97.34%
35.0	391.608	30.248	3633.076	0.76%	98.15%
36.0	246.326	20.312	3653.388	0.51%	98.70%
37.0	188.733	14.189	3667.577	0.36%	99.09%

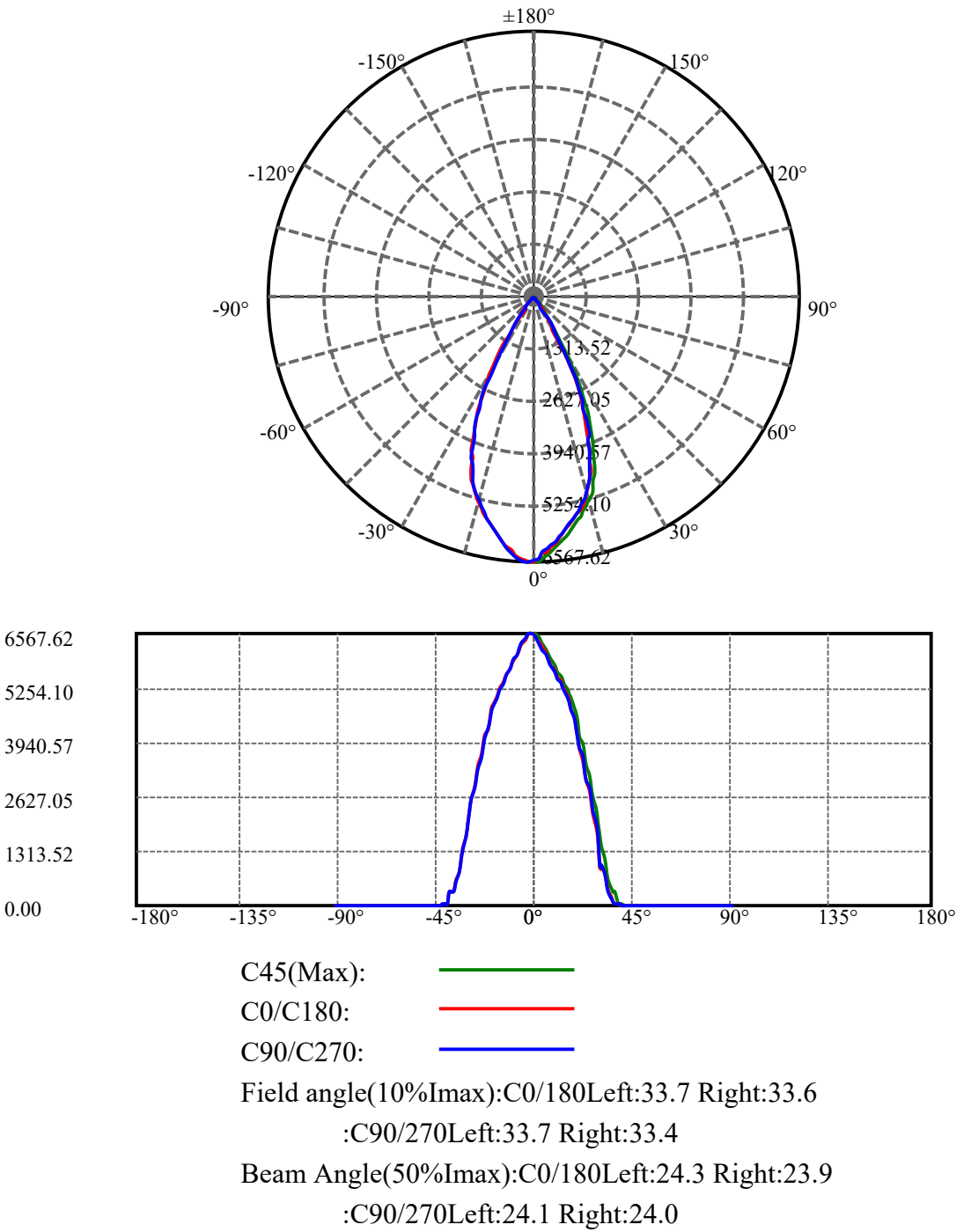
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	116.206	10.178	3677.755	0.26%	99.36%
39.0	36.117	5.199	3682.954	0.13%	99.50%
40.0	24.160	2.102	3685.057	0.05%	99.56%
41.0	17.000	1.466	3686.522	0.04%	99.60%
42.0	13.223	1.098	3687.62	0.03%	99.63%
43.0	11.544	0.917	3688.538	0.02%	99.65%
44.0	10.352	0.826	3689.364	0.02%	99.68%
45.0	9.439	0.761	3690.125	0.02%	99.70%
46.0	8.693	0.709	3690.834	0.02%	99.72%
47.0	8.020	0.665	3691.499	0.02%	99.73%
48.0	7.454	0.626	3692.124	0.02%	99.75%
49.0	6.908	0.590	3692.714	0.01%	99.77%
50.0	6.401	0.555	3693.269	0.01%	99.78%
51.0	5.942	0.522	3693.791	0.01%	99.79%
52.0	5.509	0.491	3694.282	0.01%	99.81%
53.0	5.116	0.462	3694.745	0.01%	99.82%
54.0	4.776	0.436	3695.181	0.01%	99.83%
55.0	4.436	0.411	3695.592	0.01%	99.84%
56.0	4.123	0.387	3695.979	0.01%	99.85%
57.0	3.830	0.364	3696.342	0.01%	99.86%
58.0	3.604	0.344	3696.686	0.01%	99.87%
59.0	3.357	0.325	3697.012	0.01%	99.88%
60.0	3.117	0.306	3697.317	0.01%	99.89%
61.0	2.918	0.288	3697.605	0.01%	99.90%
62.0	2.704	0.271	3697.876	0.01%	99.91%
63.0	2.538	0.255	3698.131	0.01%	99.91%
64.0	2.371	0.241	3698.372	0.01%	99.92%
65.0	2.205	0.226	3698.599	0.01%	99.92%
66.0	2.072	0.213	3698.812	0.01%	99.93%
67.0	1.925	0.201	3699.013	0.01%	99.94%
68.0	1.812	0.189	3699.202	0.00%	99.94%
69.0	1.692	0.179	3699.381	0.00%	99.95%
70.0	1.585	0.168	3699.549	0.00%	99.95%
71.0	1.479	0.158	3699.708	0.00%	99.95%
72.0	1.392	0.149	3699.857	0.00%	99.96%
73.0	1.299	0.141	3699.998	0.00%	99.96%
74.0	1.239	0.133	3700.131	0.00%	99.97%
75.0	1.152	0.126	3700.258	0.00%	99.97%

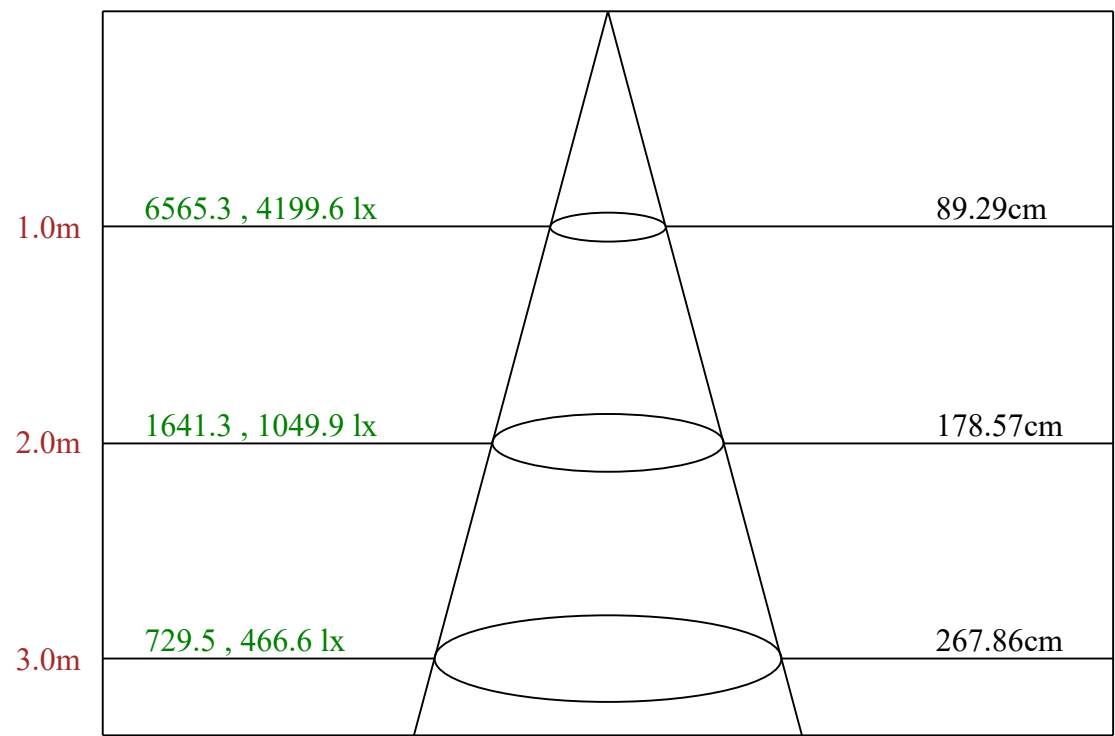
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	1.086	0.119	3700.376	0.00%	99.97%
77.0	1.006	0.112	3700.488	0.00%	99.98%
78.0	0.959	0.105	3700.593	0.00%	99.98%
79.0	0.893	0.099	3700.693	0.00%	99.98%
80.0	0.839	0.093	3700.786	0.00%	99.98%
81.0	0.799	0.089	3700.875	0.00%	99.99%
82.0	0.719	0.082	3700.957	0.00%	99.99%
83.0	0.679	0.076	3701.033	0.00%	99.99%
84.0	0.600	0.070	3701.103	0.00%	99.99%
85.0	0.566	0.064	3701.166	0.00%	99.99%
86.0	0.480	0.057	3701.223	0.00%	100.00%
87.0	0.420	0.049	3701.273	0.00%	100.00%
88.0	0.346	0.042	3701.315	0.00%	100.00%
89.0	0.306	0.036	3701.35	0.00%	100.00%
90.0	0.286	0.033	3701.383	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	3360.76	84.97%	90.80%
0-40	3685.06	93.17%	99.56%
0-60	3697.32	93.48%	99.89%
0-90	3701.35	93.58%	100.00%
0-120	3701.35	93.58%	100.00%
0-180	3701.38	93.58%	100.00%
60-90	4.03	0.10%	0.11%
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%
0-26.43	2961.11	74.87%	80.00%

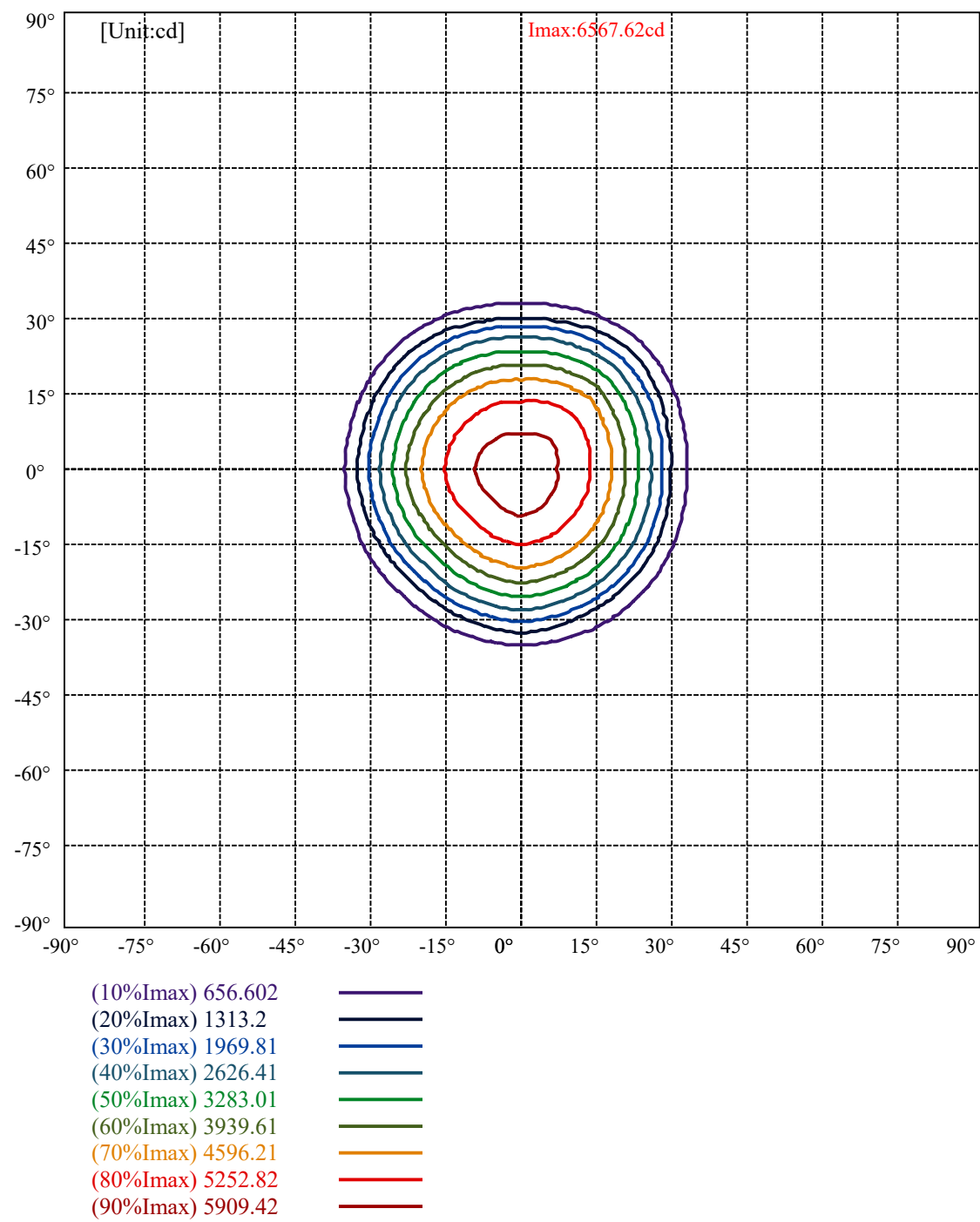
ZONAL LUMEN SUMMARY

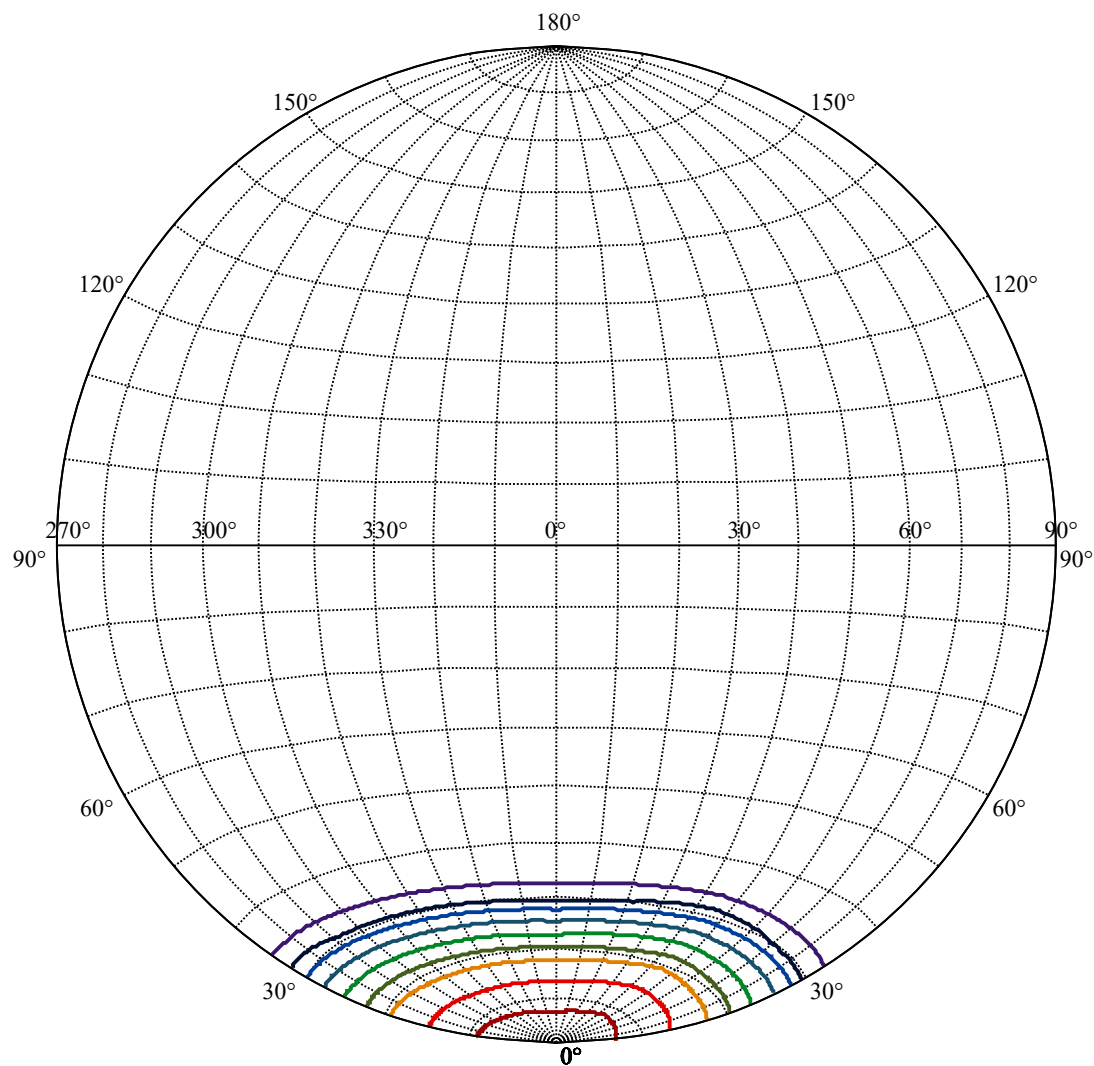
0-10	577.28
10-20	1423.61
20-30	1359.87
30-40	324.29
40-50	8.21
50-60	4.05
60-70	2.23
70-80	1.24
80-90	0.56
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C45 plane 48.12



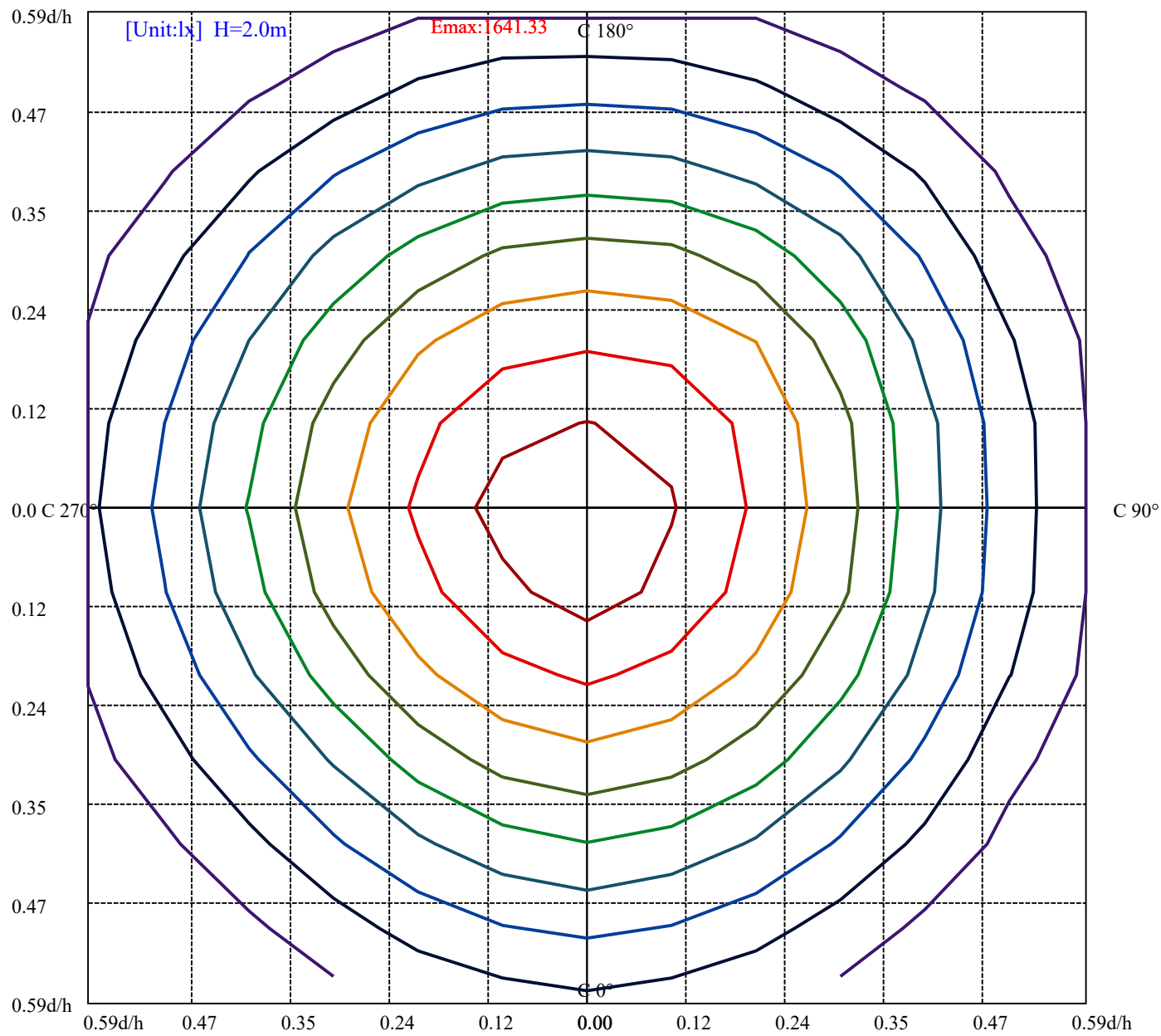


House

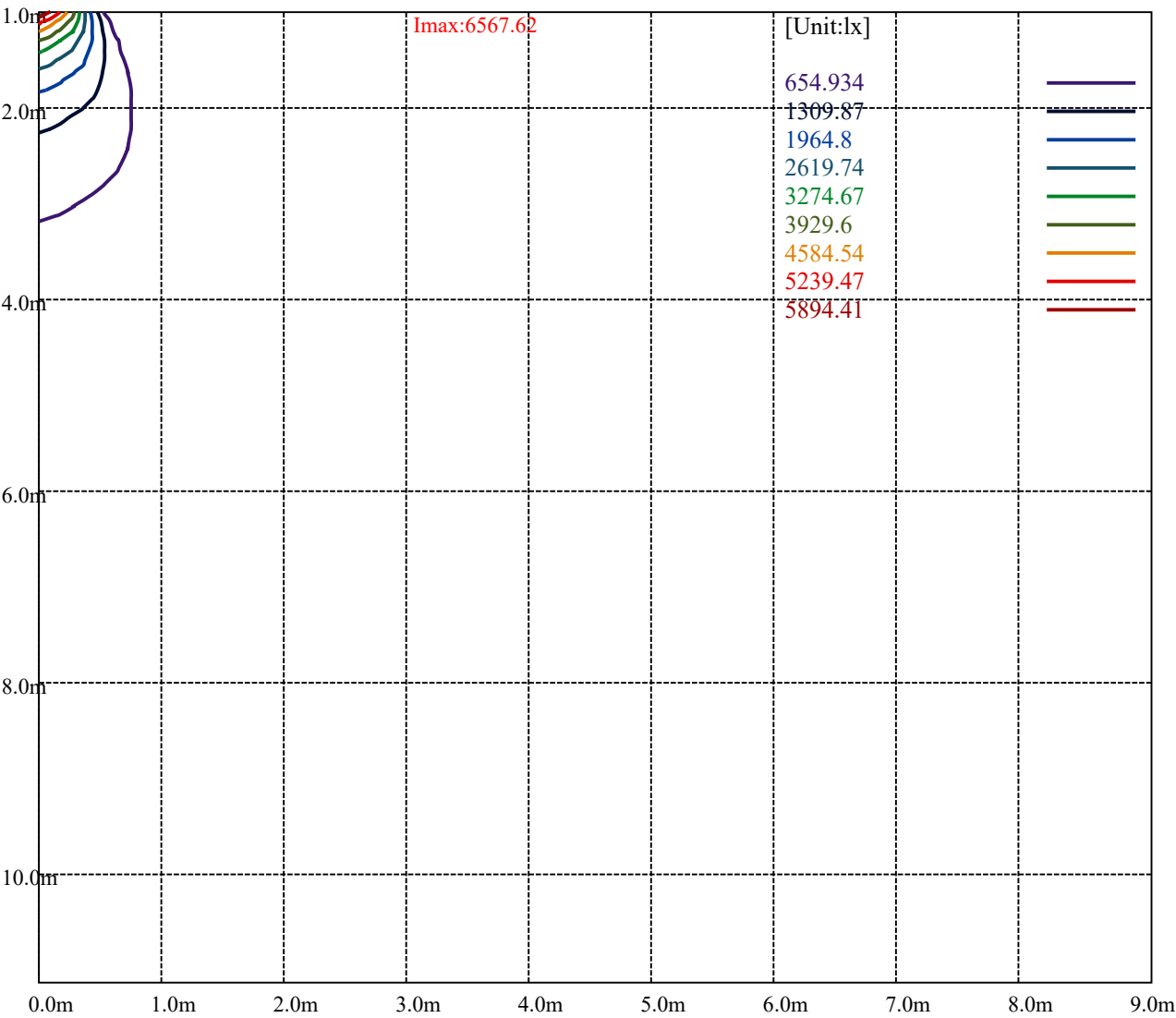
[Unit:cd]

Road

Imax:6567.62	
(10%Imax) 656.533	
(20%Imax) 1313.07	
(30%Imax) 1969.6	
(40%Imax) 2626.13	
(50%Imax) 3282.66	
(60%Imax) 3939.2	
(70%Imax) 4595.73	
(80%Imax) 5252.26	
(90%Imax) 5908.8	



(10%Emax)	164.133	
(20%Emax)	328.265	
(30%Emax)	492.4	
(40%Emax)	656.5325	
(50%Emax)	820.665	
(60%Emax)	984.7975	
(70%Emax)	1148.932	
(80%Emax)	1313.065	
(90%Emax)	1477.198	



Luminance Table

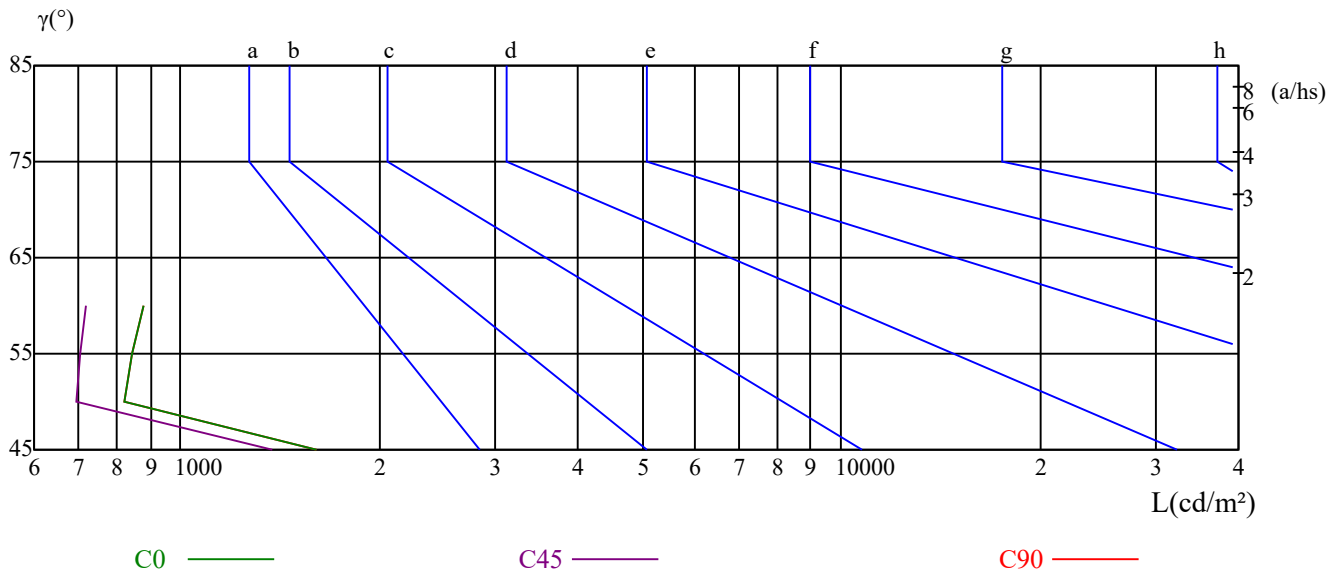
γ	45	50	55	60	65	70	75	80	85
C0	1608	821	846	879	0	0	0	0	0
C45	1379	694	704	720	0	0	0	0	0
C90	1608	821	846	879	0	0	0	0	0

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

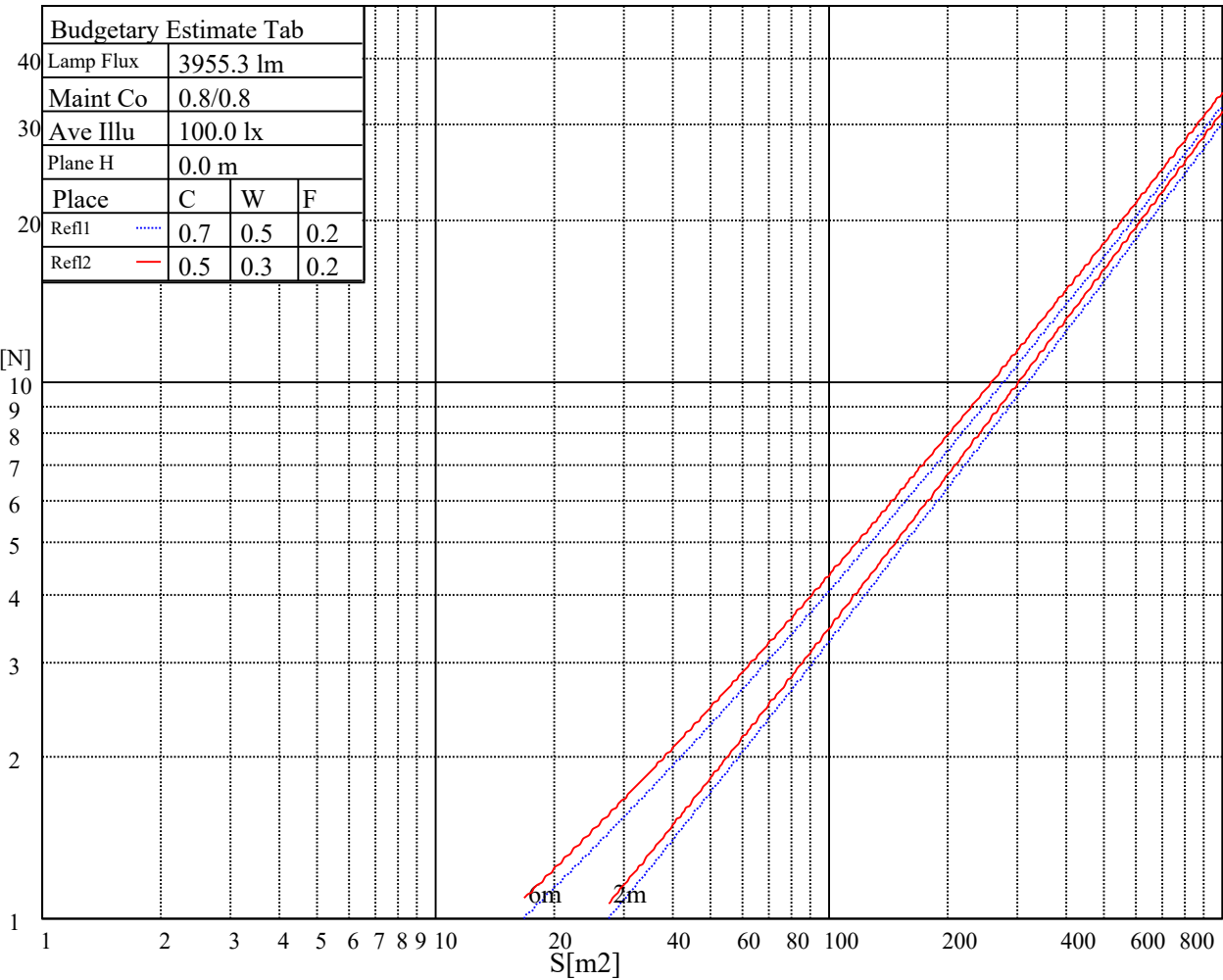
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

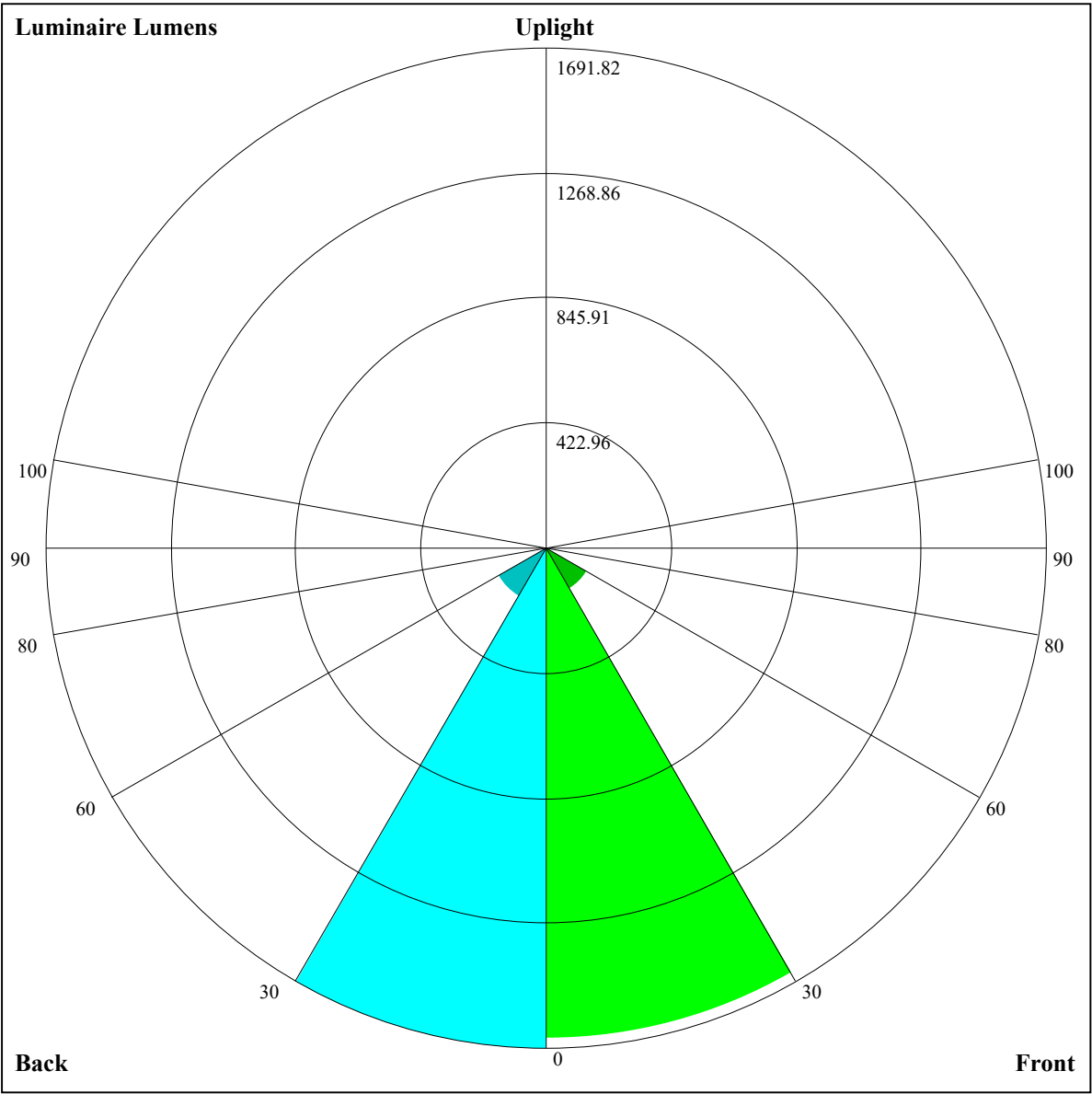


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	13.48	14.36	13.85	14.68	14.99	13.32	14.20	13.68	14.51	14.83
	3H	13.26	14.04	13.65	14.38	14.73	13.10	13.88	13.48	14.22	14.56
	4H	13.15	13.87	13.55	14.23	14.59	12.99	13.71	13.39	14.06	14.43
	6H	13.05	13.71	13.47	14.09	14.49	12.89	13.55	13.31	13.92	14.32
	8H	12.97	13.60	13.40	13.99	14.40	12.81	13.44	13.23	13.82	14.23
	12H	12.90	13.49	13.33	13.89	14.31	12.74	13.33	13.16	13.72	14.14
4H	2H	13.15	13.87	13.55	14.22	14.59	12.98	13.70	13.38	14.06	14.43
	3H	12.88	13.49	13.31	13.88	14.30	12.72	13.32	13.15	13.72	14.14
	4H	12.80	13.32	13.24	13.74	14.19	12.63	13.15	13.07	13.58	14.03
	6H	12.65	13.10	13.12	13.56	14.01	12.48	12.94	12.96	13.39	13.85
	8H	12.58	13.00	13.07	13.47	13.94	12.42	12.84	12.91	13.30	13.78
	12H	12.53	12.91	13.02	13.37	13.89	12.36	12.75	12.86	13.21	13.73
8H	4H	12.58	13.00	13.07	13.46	13.94	12.42	12.84	12.90	13.30	13.78
	6H	12.42	12.76	12.93	13.24	13.75	12.25	12.60	12.76	13.08	13.59
	8H	12.40	12.68	12.94	13.21	13.70	12.23	12.52	12.77	13.04	13.54
	12H	12.34	12.55	12.89	13.07	13.59	12.18	12.39	12.72	12.91	13.43
12H	4H	12.52	12.91	13.02	13.37	13.89	12.36	12.75	12.85	13.20	13.73
	6H	12.40	12.68	12.93	13.20	13.70	12.23	12.52	12.77	13.04	13.54
	8H	12.34	12.55	12.89	13.07	13.59	12.18	12.39	12.72	12.91	13.43
Variation with the observer position at spacings:											
S = 1.0H		6.8/-18.1					6.8/-18.6				
S = 1.5H		9.6/-18.4					9.6/-18.7				
S = 2.0H		11.6/-18.4					11.6/-18.8				
Standard tables:		BK0					BK0				
Uncorrected UGR		-5.9					-5.7				

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	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.95	0.95	0.95	0.94
1	1.05	1.03	1.01	1.03	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	0.95	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.91	0.89	0.88	0.89	0.87	0.86	0.84
3	0.93	0.89	0.86	0.92	0.88	0.85	0.90	0.86	0.84	0.87	0.85	0.83	0.85	0.83	0.81	0.80
4	0.88	0.84	0.80	0.87	0.83	0.80	0.85	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.76
5	0.84	0.79	0.76	0.83	0.79	0.75	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.76	0.73	0.72
6	0.80	0.75	0.71	0.79	0.75	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
7	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.65
8	0.72	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.62
9	0.69	0.64	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.59
10	0.66	0.62	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.57



Luminaire Lumens:

FL=1658.21,FM=161.4,FH=1.72,FVH=0.3

BL=1691.82,BM=186.93,BH=1.78,BVH=0.31

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	6547.90	6486.09	6376.31	6323.02	6223.90	6122.65	6014.47	5916.42	5805.04
45.0	6567.62	6554.30	6484.49	6396.03	6302.77	6216.44	6130.64	6033.65	5938.80
90.0	6521.79	6473.83	6328.88	6229.23	6172.74	6093.34	5984.63	5887.11	5782.66
135.0	6566.55	6532.45	6489.28	6348.06	6285.18	6192.99	6102.40	6004.34	5907.36
180.0	6547.90	6565.49	6547.37	6491.41	6402.95	6318.76	6230.83	6137.04	6031.52
225.0	6565.49	6532.98	6477.03	6412.55	6339.01	6217.50	6134.90	6034.72	5926.54
270.0	6521.79	6566.02	6555.36	6516.99	6457.31	6376.84	6278.25	6164.75	6051.77
315.0	6566.55	6530.85	6496.21	6428.00	6345.40	6245.21	6125.85	6011.27	5907.36
360.0	6547.90	6486.09	6376.31	6323.02	6223.90	6122.65	6014.47	5916.42	5805.04

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5705.92	5606.27	5508.21	5414.42	5315.30	5203.40	5073.90	4918.29	4740.31
45.0	5837.01	5737.89	5640.91	5542.85	5446.93	5343.55	5235.90	5115.47	5030.20
90.0	5690.47	5591.88	5485.30	5384.58	5277.47	5173.02	5033.93	4888.45	4721.12
135.0	5800.24	5700.59	5600.41	5492.23	5383.52	5266.28	5144.24	5007.82	4860.74
180.0	5928.14	5823.16	5708.05	5599.87	5494.36	5385.11	5258.28	5142.64	5015.81
225.0	5813.03	5690.47	5582.82	5457.06	5337.69	5219.38	5097.35	4974.25	4811.71
270.0	5940.93	5826.36	5706.99	5600.41	5474.11	5353.67	5227.38	5106.41	4972.12
315.0	5793.32	5676.08	5565.23	5452.26	5340.35	5230.04	5130.92	4962.52	4809.05
360.0	5705.92	5606.27	5508.21	5414.42	5315.30	5203.40	5073.90	4918.29	4740.31

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	4540.47	4294.27	4035.81	3774.69	3513.57	3248.72	3029.16	2763.78	2489.87
45.0	4784.54	4661.44	4432.82	4075.25	3922.30	3652.66	3387.81	3126.68	2862.37
90.0	4511.16	4279.35	4034.75	3787.48	3637.20	3280.69	3020.10	2863.96	2591.65
135.0	4690.21	4496.24	4266.02	4024.62	3779.49	3628.14	3381.94	3037.16	2887.94
180.0	4862.34	4762.69	4487.18	4251.64	4115.21	3872.74	3624.41	3371.82	3110.70
225.0	4625.20	4416.84	4172.77	3929.23	3679.83	3430.97	3177.84	3020.10	2651.34
270.0	4819.71	4682.75	4451.47	4271.89	4036.34	3792.81	3554.60	3318.53	3068.07
315.0	4667.30	4429.09	4241.51	3998.51	3746.45	3496.52	3253.51	2994.52	2743.53
360.0	4540.47	4294.27	4035.81	3774.69	3513.57	3248.72	3029.16	2763.78	2489.87

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	2191.98	1886.63	1593.00	942.65	942.65	787.52	557.63	360.08	195.73
45.0	2598.58	2307.62	2002.27	1701.71	1408.61	1122.98	856.00	612.46	404.10
90.0	2296.96	1982.01	1663.87	964.39	964.39	758.26	533.91	335.51	182.46
135.0	2633.75	2337.46	2026.78	1716.10	1417.14	1128.31	854.93	612.99	407.83
180.0	2850.11	2586.86	2290.56	1979.88	1674.00	1383.57	1096.87	831.48	593.28
225.0	2481.34	2166.40	1853.05	1557.83	1022.85	1022.85	762.90	537.75	343.56
270.0	2819.73	2566.07	2274.04	1964.96	1655.88	1366.52	1086.74	819.23	580.49
315.0	2477.08	2175.46	1878.10	1588.20	934.55	934.55	779.63	549.37	425.41
360.0	2191.98	1886.63	1593.00	942.65	942.65	787.52	557.63	360.08	195.73

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	86.33	43.70	30.16	23.50	13.86	12.42	10.98	9.91	9.11
45.0	329.49	329.49	55.26	35.65	23.34	15.51	12.58	10.92	9.86
90.0	83.61	47.27	31.92	20.89	17.32	13.54	12.47	11.19	10.23
135.0	268.21	268.21	58.78	33.84	26.22	17.53	13.48	12.42	11.08
180.0	390.78	318.83	318.83	51.37	33.68	22.38	14.23	11.83	10.44
225.0	185.29	78.02	39.22	29.20	18.12	13.00	11.46	10.13	9.22
270.0	377.45	340.15	340.15	58.73	36.77	25.26	16.95	14.07	12.20
315.0	249.45	84.20	55.32	35.76	23.98	16.36	13.64	11.88	10.66
360.0	86.33	43.70	30.16	23.50	13.86	12.42	10.98	9.91	9.11

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	8.42	7.78	7.19	6.71	6.23	5.76	5.38	4.96	4.64
45.0	8.95	8.31	7.67	7.14	6.61	6.13	5.70	5.28	4.90
90.0	9.38	8.63	7.99	7.35	6.87	6.34	5.86	5.44	5.01
135.0	10.13	9.27	8.53	7.94	7.35	6.77	6.23	5.81	5.44
180.0	9.43	8.69	8.05	7.46	6.93	6.45	6.02	5.60	5.17
225.0	8.47	7.89	7.30	6.82	6.34	5.92	5.49	5.12	4.74
270.0	10.98	10.02	9.22	8.53	7.89	7.35	6.82	6.29	5.81
315.0	9.75	8.95	8.21	7.67	7.03	6.50	6.02	5.60	5.22
360.0	8.42	7.78	7.19	6.71	6.23	5.76	5.38	4.96	4.64
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	4.32	4.00	3.73	3.46	3.25	2.98	2.82	2.61	2.50
45.0	4.64	4.37	3.94	3.68	3.52	3.30	3.09	2.88	2.66
90.0	4.69	4.37	4.05	3.78	3.52	3.25	2.98	2.88	2.61
135.0	5.06	4.64	4.37	4.05	3.84	3.62	3.25	3.04	2.88
180.0	4.80	4.48	4.16	3.84	3.73	3.41	3.20	3.04	2.72
225.0	4.42	4.16	3.89	3.57	3.36	3.14	2.88	2.77	2.50
270.0	5.44	5.01	4.64	4.37	4.10	3.78	3.57	3.25	3.09
315.0	4.85	4.48	4.21	3.89	3.52	3.36	3.14	2.88	2.66
360.0	4.32	4.00	3.73	3.46	3.25	2.98	2.82	2.61	2.50
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	2.29	2.13	2.03	1.92	1.76	1.60	1.55	1.44	1.39
45.0	2.45	2.29	2.13	2.03	1.92	1.81	1.65	1.55	1.44
90.0	2.50	2.34	2.13	2.03	1.87	1.76	1.65	1.55	1.44
135.0	2.66	2.56	2.40	2.18	2.03	1.97	1.87	1.71	1.60
180.0	2.61	2.45	2.29	2.13	1.97	1.87	1.76	1.65	1.55
225.0	2.40	2.18	2.03	1.97	1.87	1.76	1.60	1.55	1.39
270.0	2.88	2.66	2.45	2.29	2.13	1.97	1.81	1.76	1.65
315.0	2.50	2.34	2.18	2.03	1.87	1.76	1.65	1.49	1.39
360.0	2.29	2.13	2.03	1.92	1.76	1.60	1.55	1.44	1.39
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	1.28	1.23	1.17	1.07	0.96	0.96	0.96	0.85	0.75
45.0	1.39	1.28	1.28	1.17	1.17	1.07	0.96	0.91	0.91
90.0	1.39	1.28	1.23	1.12	1.07	0.96	0.91	0.85	0.85
135.0	1.49	1.44	1.33	1.23	1.17	1.12	1.01	0.96	0.96
180.0	1.49	1.33	1.28	1.23	1.17	1.07	0.96	0.96	0.85
225.0	1.28	1.23	1.23	1.07	1.01	0.96	0.91	0.85	0.75
270.0	1.49	1.39	1.28	1.23	1.12	1.01	1.01	0.91	0.85
315.0	1.33	1.23	1.12	1.12	1.01	0.91	0.96	0.85	0.80
360.0	1.28	1.23	1.17	1.07	0.96	0.96	0.96	0.85	0.75
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.75	0.69	0.64	0.59	0.53	0.48	0.43	0.37	0.37
45.0	0.85	0.80	0.69	0.64	0.59	0.48	0.43	0.37	0.37
90.0	0.80	0.69	0.69	0.59	0.53	0.48	0.37	0.37	0.32
135.0	0.85	0.75	0.75	0.64	0.64	0.53	0.43	0.37	0.32
180.0	0.80	0.80	0.69	0.64	0.64	0.53	0.48	0.37	0.32
225.0	0.75	0.69	0.64	0.59	0.53	0.43	0.43	0.27	0.21
270.0	0.85	0.75	0.69	0.59	0.59	0.48	0.43	0.37	0.32
315.0	0.75	0.59	0.64	0.53	0.48	0.43	0.37	0.27	0.21
360.0	0.75	0.69	0.64	0.59	0.53	0.48	0.43	0.37	0.37

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	0.43
45.0	0.32
90.0	0.27
135.0	0.32
180.0	0.27
225.0	0.21
270.0	0.21
315.0	0.27
360.0	0.43