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Address:380 JinOu Road, JiangMen City, GuangDong, China 529040

NT

Client: NT

LumCAT: 2-2952-LM

Luminaire: 92.70.411.00 LED HOLDER

Report No: 20250318-B001

Ballast type: AC

Test No: 20250318-C001

Voltage(V): 35.880

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

Lamp flux(lm): 3990.4 Power (W): 32.180

Number of Lamps: 1 PF: 0.000

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

Phm Type: C Height(mm): 44

Photometric Results

Lumens(lm): 3802.11, Efficiency(%): 95.28% , Luminous Efficacy(lm/W): 118.15

Central intensity(cd): 20607.940, Maximum intensity(cd): 20922.350

Angle of maximum intensity: C=270.0 γ =1.0

Beam Angle(50%Imax): [C0/180]Total=16.6

[C90/270]Total=16.9

Field angle(10%Imax): [C0/180]Total=45.8

[C90/270]Total=45.9

Maximum s/h(1/2): C0_180=0.35 C90_270=0.24

Maximum s/h(1/4): C0_180=0.35 C90_270=0.31

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 95.21%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 100.043%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/3/31
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	20778.465	0.000	0	0.00%	0.00%
1.0	20601.275	19.799	19.799	0.50%	0.52%
2.0	20113.672	58.438	78.237	1.46%	2.06%
3.0	19251.039	94.147	172.385	2.36%	4.53%
4.0	18199.229	125.358	297.743	3.14%	7.83%
5.0	16851.656	150.787	448.53	3.78%	11.80%
6.0	14981.911	167.294	615.824	4.19%	16.20%
7.0	13362.960	175.936	791.76	4.41%	20.82%
8.0	11536.979	178.204	969.964	4.47%	25.51%
9.0	10345.015	177.342	1147.306	4.44%	30.18%
10.0	8802.136	173.275	1320.58	4.34%	34.73%
11.0	7571.536	163.607	1484.187	4.10%	39.04%
12.0	6548.901	154.357	1638.544	3.87%	43.10%
13.0	5714.979	145.541	1784.085	3.65%	46.92%
14.0	5066.440	138.001	1922.086	3.46%	50.55%
15.0	4529.077	131.732	2053.818	3.30%	54.02%
16.0	4065.987	125.942	2179.759	3.16%	57.33%
17.0	3665.779	120.404	2300.164	3.02%	60.50%
18.0	3300.809	114.864	2415.028	2.88%	63.52%
19.0	2982.202	109.312	2524.339	2.74%	66.39%
20.0	2705.960	104.109	2628.448	2.61%	69.13%
21.0	2524.640	100.438	2728.887	2.52%	71.77%
22.0	2348.650	97.931	2826.817	2.45%	74.35%
23.0	2086.330	93.058	2919.875	2.33%	76.80%
24.0	1919.799	87.588	3007.464	2.19%	79.10%
25.0	1768.255	83.858	3091.322	2.10%	81.31%
26.0	1637.095	80.384	3171.706	2.01%	83.42%
27.0	1533.846	77.578	3249.283	1.94%	85.46%
28.0	1429.264	75.020	3324.303	1.88%	87.43%
29.0	1274.237	70.731	3395.034	1.77%	89.29%
30.0	1138.121	65.133	3460.168	1.63%	91.01%
31.0	1042.932	60.696	3520.863	1.52%	92.60%
32.0	923.356	56.332	3577.195	1.41%	94.08%
33.0	780.992	50.211	3627.406	1.26%	95.41%
34.0	648.866	43.272	3670.677	1.08%	96.54%
35.0	517.786	36.232	3706.909	0.91%	97.50%
36.0	395.505	29.079	3735.989	0.73%	98.26%
37.0	282.843	22.124	3758.112	0.55%	98.84%

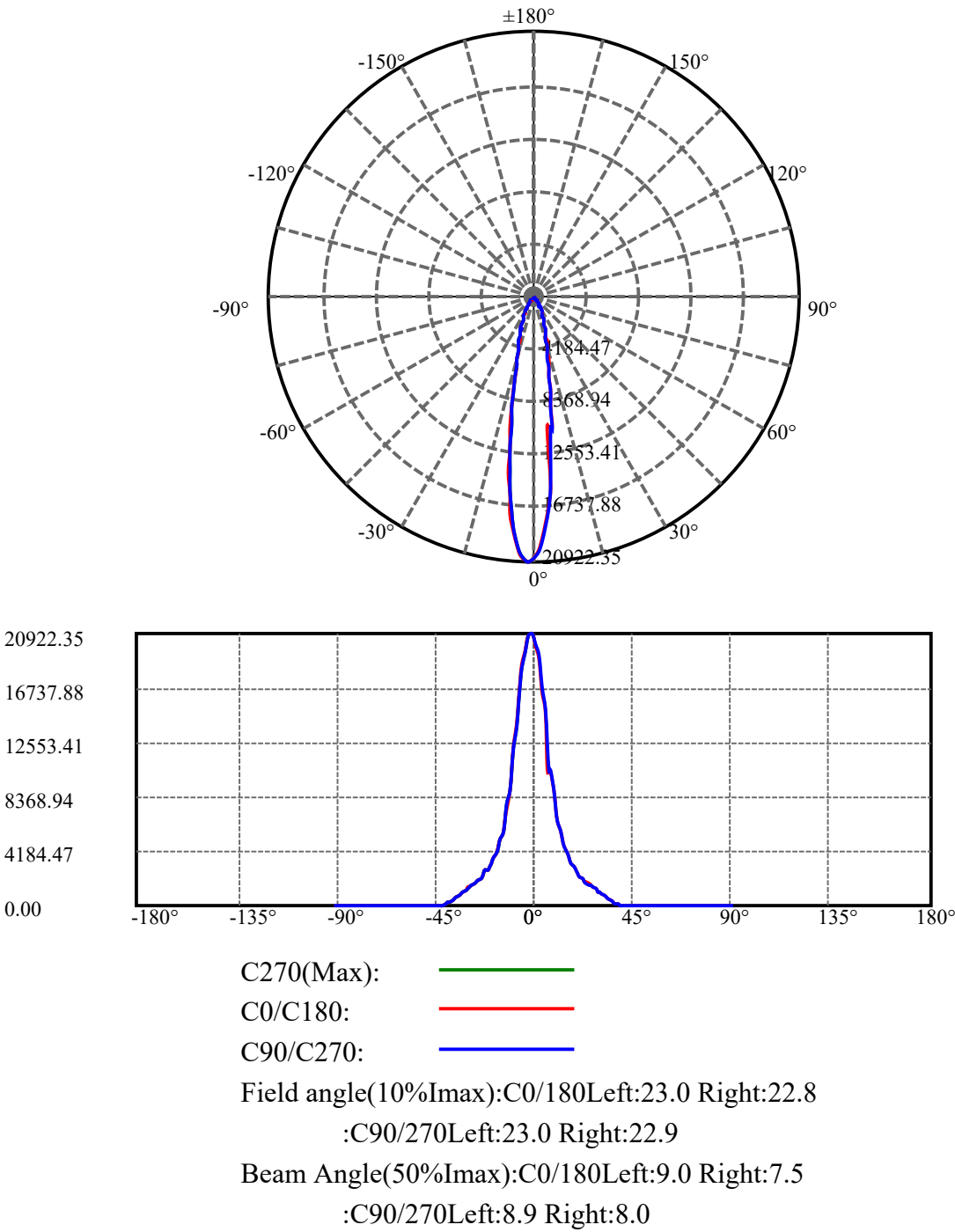
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	208.604	16.404	3774.516	0.41%	99.27%
39.0	149.705	12.230	3786.746	0.31%	99.60%
40.0	46.456	6.841	3793.588	0.17%	99.78%
41.0	19.438	2.346	3795.934	0.06%	99.84%
42.0	11.857	1.137	3797.071	0.03%	99.87%
43.0	7.914	0.732	3797.803	0.02%	99.89%
44.0	5.129	0.492	3798.296	0.01%	99.90%
45.0	3.983	0.350	3798.646	0.01%	99.91%
46.0	3.417	0.289	3798.935	0.01%	99.92%
47.0	2.958	0.254	3799.189	0.01%	99.92%
48.0	2.565	0.223	3799.412	0.01%	99.93%
49.0	2.278	0.199	3799.611	0.00%	99.93%
50.0	2.072	0.181	3799.792	0.00%	99.94%
51.0	1.858	0.166	3799.959	0.00%	99.94%
52.0	1.699	0.153	3800.111	0.00%	99.95%
53.0	1.559	0.142	3800.253	0.00%	99.95%
54.0	1.419	0.131	3800.384	0.00%	99.95%
55.0	1.292	0.121	3800.505	0.00%	99.96%
56.0	1.179	0.112	3800.617	0.00%	99.96%
57.0	1.086	0.104	3800.72	0.00%	99.96%
58.0	0.999	0.096	3800.817	0.00%	99.97%
59.0	0.899	0.089	3800.906	0.00%	99.97%
60.0	0.819	0.081	3800.987	0.00%	99.97%
61.0	0.746	0.075	3801.062	0.00%	99.97%
62.0	0.713	0.070	3801.132	0.00%	99.97%
63.0	0.626	0.065	3801.197	0.00%	99.98%
64.0	0.580	0.059	3801.256	0.00%	99.98%
65.0	0.520	0.054	3801.311	0.00%	99.98%
66.0	0.493	0.051	3801.361	0.00%	99.98%
67.0	0.446	0.047	3801.408	0.00%	99.98%
68.0	0.433	0.045	3801.453	0.00%	99.98%
69.0	0.393	0.042	3801.495	0.00%	99.98%
70.0	0.360	0.039	3801.534	0.00%	99.98%
71.0	0.326	0.035	3801.569	0.00%	99.99%
72.0	0.333	0.034	3801.603	0.00%	99.99%
73.0	0.313	0.034	3801.637	0.00%	99.99%
74.0	0.300	0.032	3801.669	0.00%	99.99%
75.0	0.300	0.032	3801.701	0.00%	99.99%

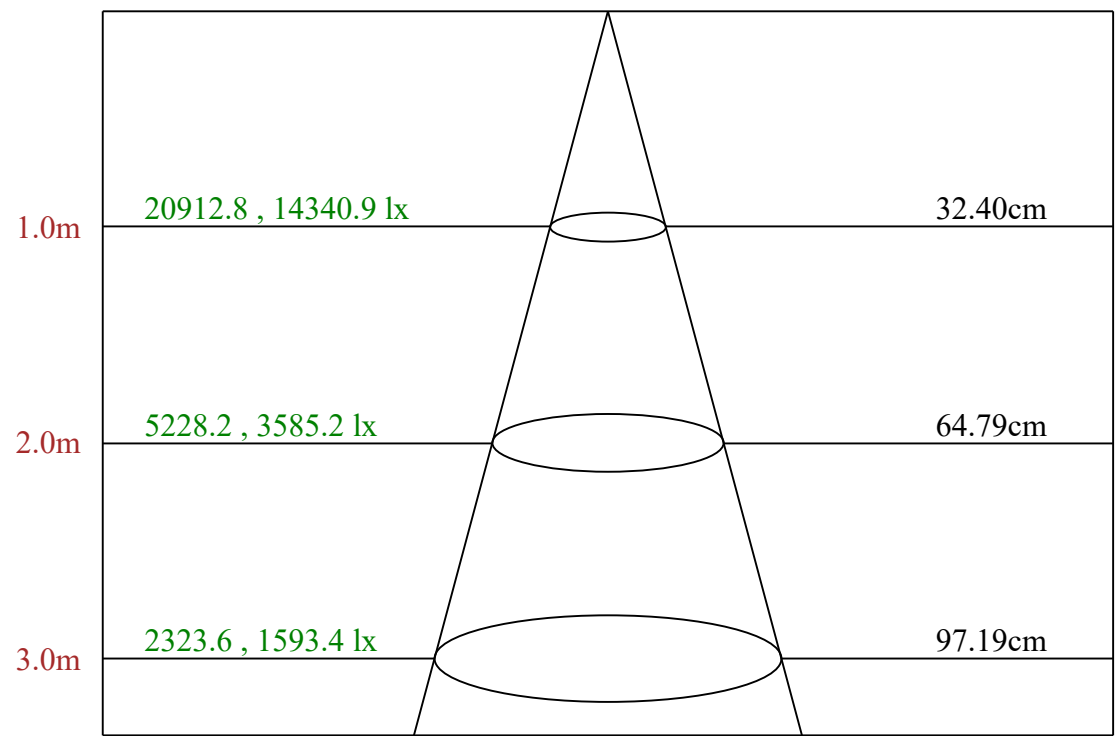
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.273	0.030	3801.731	0.00%	99.99%
77.0	0.266	0.029	3801.76	0.00%	99.99%
78.0	0.273	0.029	3801.789	0.00%	99.99%
79.0	0.253	0.028	3801.817	0.00%	99.99%
80.0	0.246	0.027	3801.844	0.00%	99.99%
81.0	0.253	0.027	3801.871	0.00%	99.99%
82.0	0.253	0.027	3801.899	0.00%	99.99%
83.0	0.246	0.027	3801.926	0.00%	100.00%
84.0	0.260	0.028	3801.954	0.00%	100.00%
85.0	0.240	0.027	3801.981	0.00%	100.00%
86.0	0.240	0.026	3802.007	0.00%	100.00%
87.0	0.240	0.026	3802.033	0.00%	100.00%
88.0	0.246	0.027	3802.06	0.00%	100.00%
89.0	0.226	0.026	3802.086	0.00%	100.00%
90.0	0.233	0.025	3802.111	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	3460.17	86.71%	91.01%
0-40	3793.59	95.07%	99.78%
0-60	3800.99	95.25%	99.97%
0-90	3802.09	95.28%	100.00%
0-120	3802.09	95.28%	100.00%
0-180	3802.11	95.28%	100.00%
60-90	1.10	0.03%	0.03%
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%
0-24.41	3041.69	76.22%	80.00%

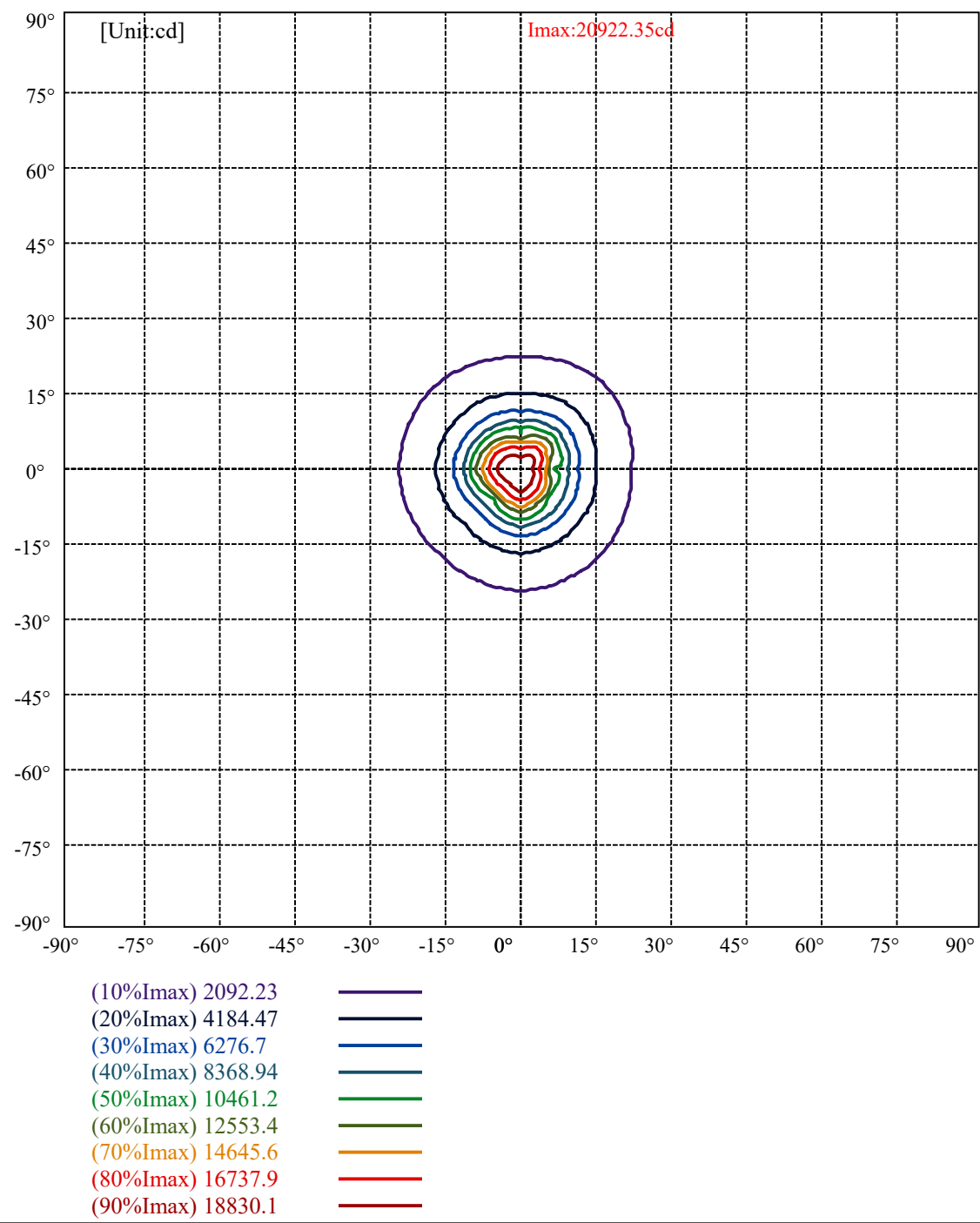
ZONAL LUMEN SUMMARY

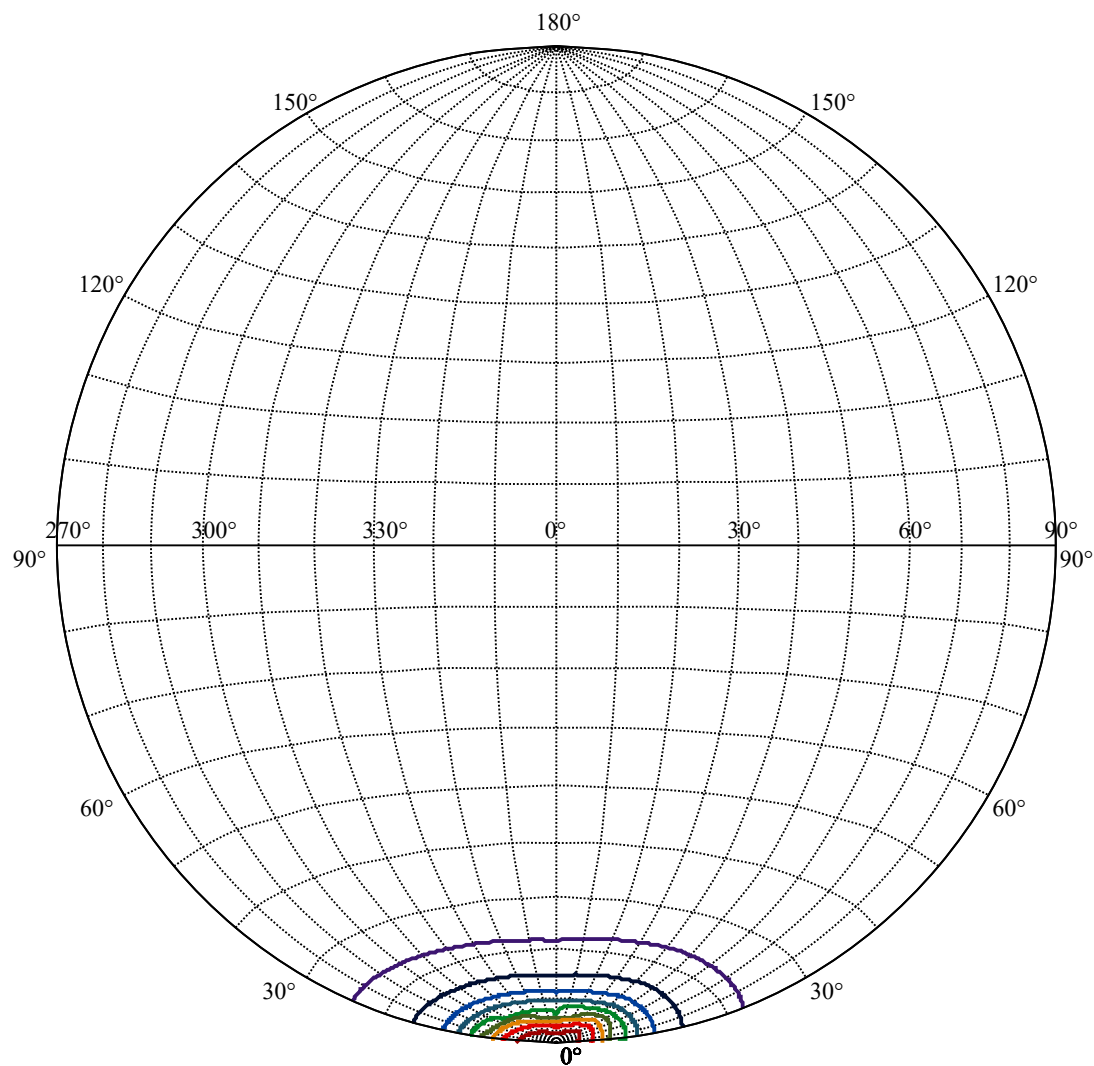
0-10	1320.58
10-20	1307.87
20-30	831.72
30-40	333.42
40-50	6.20
50-60	1.19
60-70	0.55
70-80	0.31
80-90	0.24
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C270 plane 18.40



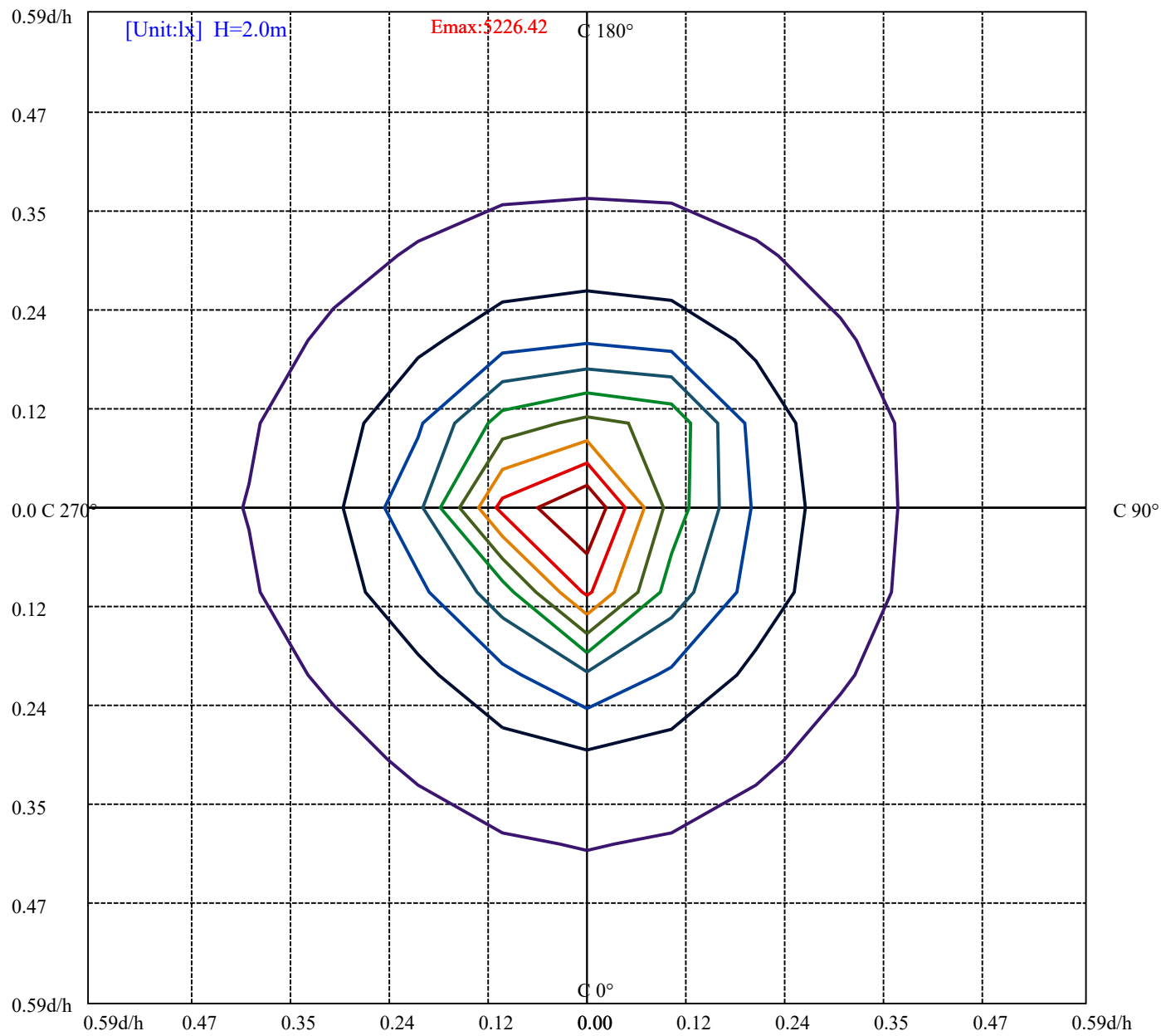


House

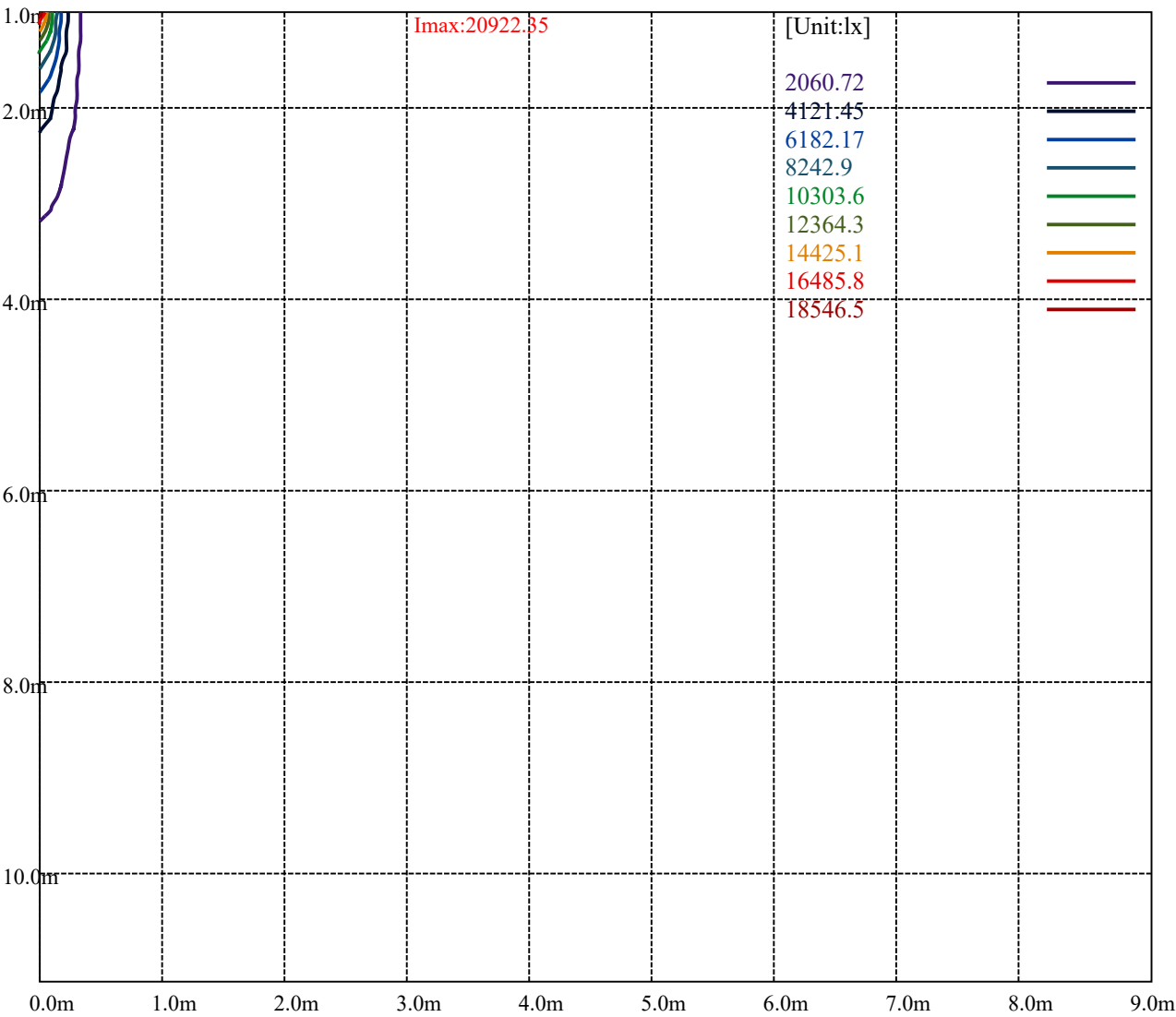
[Unit:cd]

Road

Imax:20922.35	
(10%Imax) 2092.17	
(20%Imax) 4184.33	
(30%Imax) 6276.5	
(40%Imax) 8368.66	
(50%Imax) 10460.8	
(60%Imax) 12553	
(70%Imax) 14645.2	
(80%Imax) 16737.3	
(90%Imax) 18829.5	



(10%Emax)	522.64	
(20%Emax)	1045.28	
(30%Emax)	1567.922	
(40%Emax)	2090.563	
(50%Emax)	2613.2	
(60%Emax)	3135.85	
(70%Emax)	3658.475	
(80%Emax)	4181.125	
(90%Emax)	4703.775	



Luminance Table

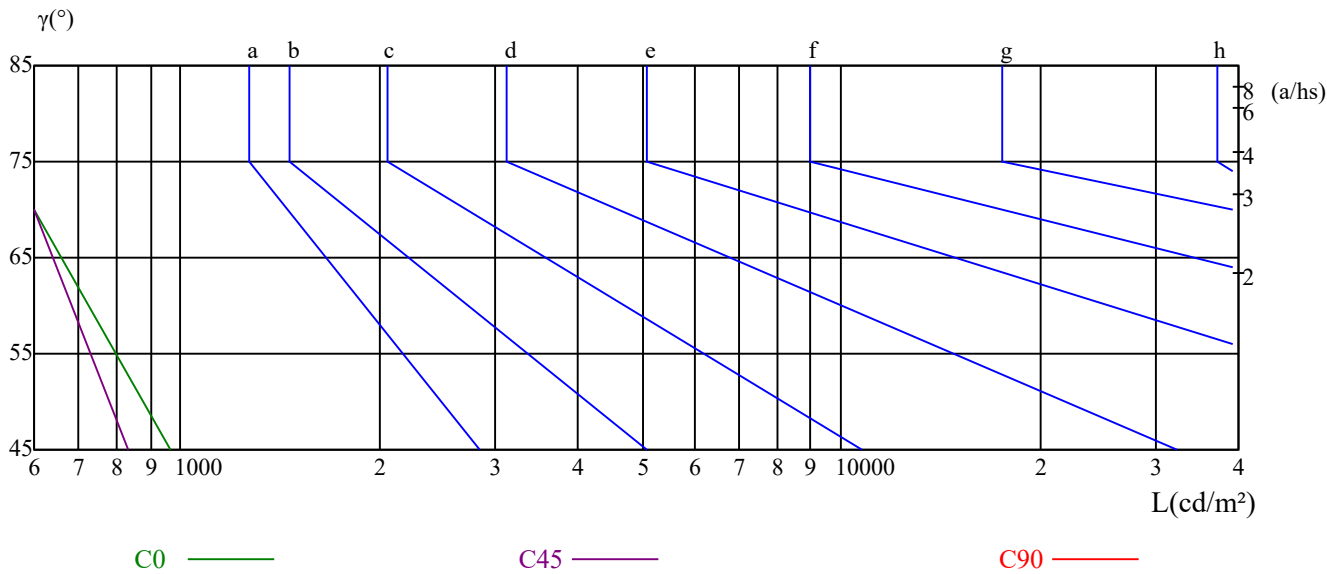
γ	45	50	55	60	65	70	75	80	85
C0	967	0	0	0	0	83	0	0	0
C45	832	0	0	0	0	66	0	0	0
C90	967	0	0	0	0	0	0	0	0

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

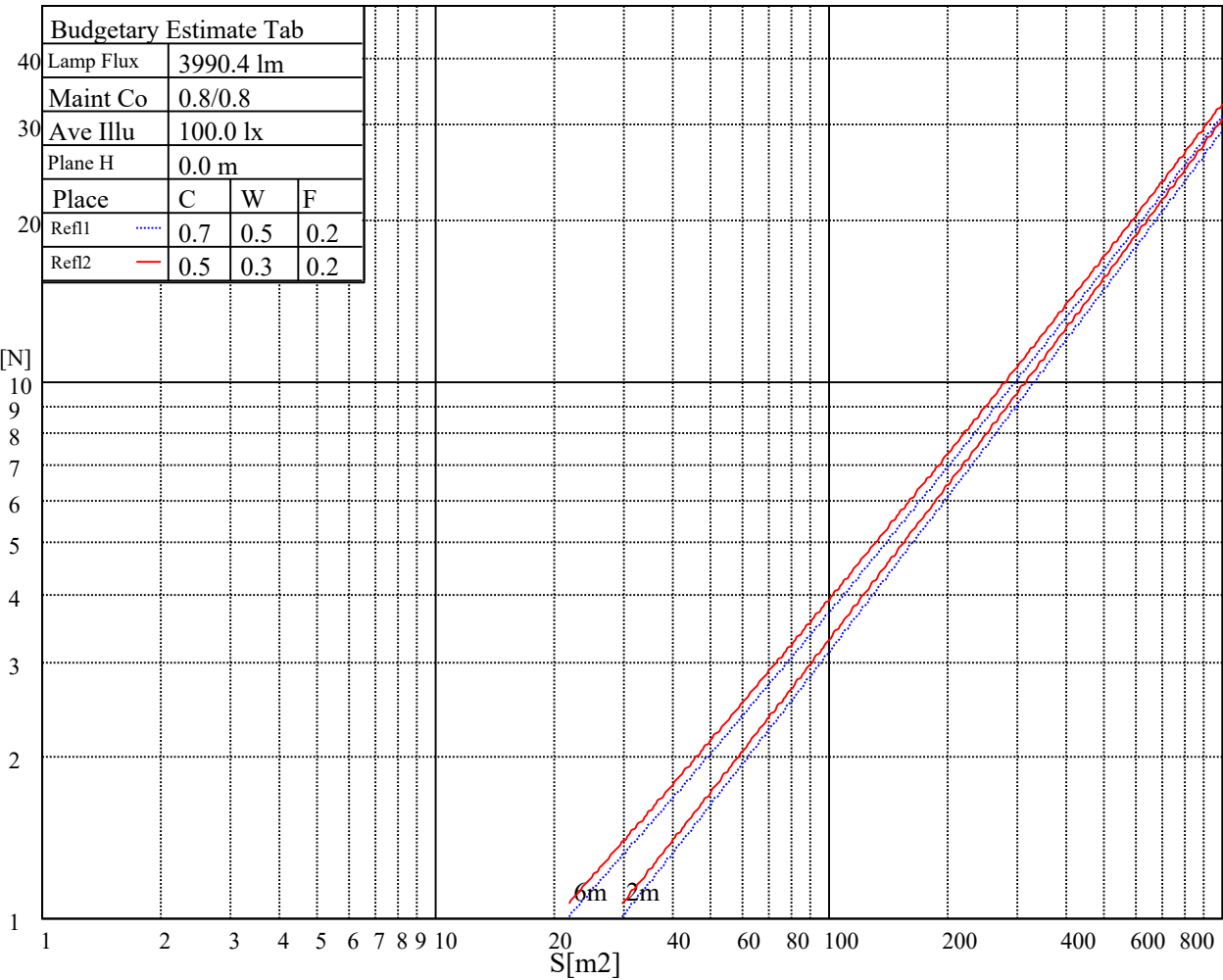
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

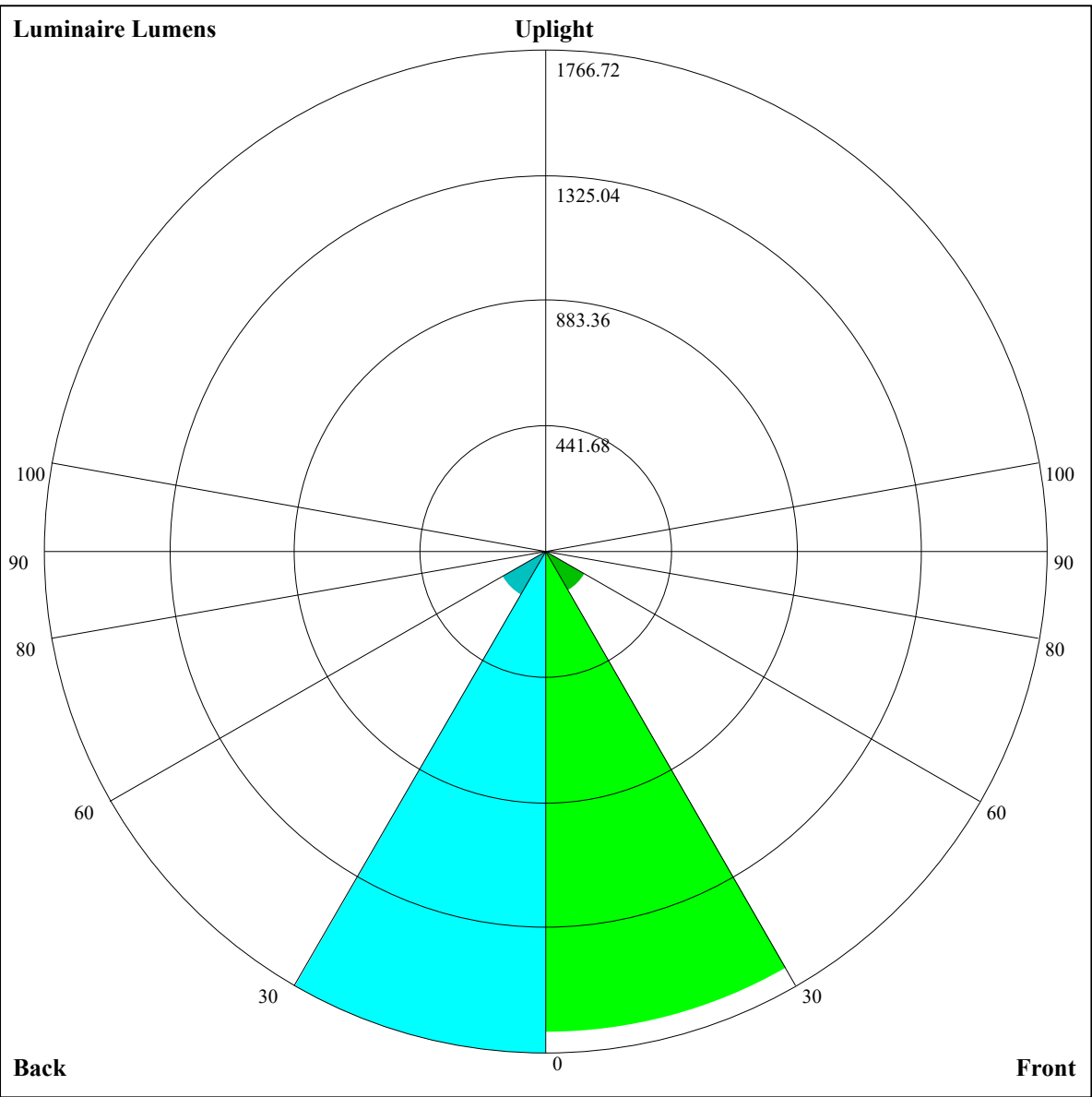


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	14.33	15.21	14.69	15.52	15.83	14.31	15.18	14.67	15.49	15.81
	3H	14.11	14.88	14.49	15.22	15.57	14.08	14.86	14.47	15.20	15.54
	4H	13.99	14.71	14.39	15.07	15.43	13.97	14.69	14.37	15.04	15.41
	6H	13.89	14.55	14.31	14.93	15.33	13.87	14.52	14.29	14.90	15.30
	8H	13.81	14.44	14.24	14.82	15.23	13.79	14.41	14.21	14.80	15.21
	12H	13.74	14.33	14.17	14.72	15.14	13.72	14.30	14.14	14.70	15.12
4H	2H	13.99	14.71	14.39	15.07	15.43	13.97	14.69	14.37	15.04	15.41
	3H	13.72	14.32	14.15	14.72	15.14	13.70	14.30	14.13	14.70	15.12
	4H	13.63	14.15	14.07	14.58	15.03	13.61	14.13	14.05	14.55	15.00
	6H	13.48	13.94	13.96	14.39	14.84	13.46	13.91	13.93	14.37	14.82
	8H	13.42	13.84	13.90	14.30	14.77	13.39	13.81	13.88	14.27	14.75
	12H	13.36	13.75	13.85	14.20	14.72	13.34	13.72	13.83	14.18	14.70
8H	4H	13.42	13.84	13.90	14.30	14.77	13.39	13.81	13.88	14.27	14.75
	6H	13.25	13.59	13.76	14.07	14.59	13.23	13.57	13.73	14.05	14.56
	8H	13.23	13.51	13.77	14.03	14.53	13.20	13.49	13.74	14.01	14.51
	12H	13.17	13.38	13.72	13.90	14.42	13.15	13.35	13.69	13.87	14.40
12H	4H	13.36	13.74	13.85	14.20	14.72	13.34	13.72	13.83	14.18	14.70
	6H	13.23	13.51	13.77	14.03	14.53	13.20	13.48	13.74	14.01	14.51
	8H	13.17	13.38	13.72	13.90	14.42	13.15	13.35	13.69	13.87	14.40
Variation with the observer position at spacings:											
S = 1.0H		6.5/-27.4					6.4/-27.4				
S = 1.5H		9.3/-27.9					9.3/-27.6				
S = 2.0H		11.3/-27.7					11.3/-27.3				
Standard tables:		BK0					BK0				
Uncorrected UGR		-4.9					-4.9				

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	1.13	1.13	1.13	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.07	1.05	1.04	1.05	1.04	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92
2	1.02	0.99	0.97	1.00	0.98	0.96	0.97	0.95	0.93	0.95	0.93	0.91	0.92	0.91	0.90	0.88
3	0.97	0.94	0.91	0.96	0.93	0.90	0.94	0.91	0.89	0.92	0.89	0.87	0.90	0.88	0.86	0.85
4	0.93	0.89	0.86	0.92	0.89	0.86	0.90	0.87	0.85	0.89	0.86	0.84	0.87	0.85	0.83	0.82
5	0.89	0.85	0.82	0.89	0.85	0.82	0.87	0.84	0.81	0.86	0.83	0.81	0.84	0.82	0.80	0.79
6	0.86	0.82	0.79	0.85	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.78	0.82	0.79	0.77	0.76
7	0.83	0.79	0.76	0.82	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.79	0.77	0.75	0.74
8	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
9	0.78	0.73	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.69
10	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.68	0.67



Luminaire Lumens:

FL=1697.75,FM=162.18,FH=0.43,FVH=0.14

BL=1766.72,BM=178.62,BH=0.43,BVH=0.13

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	20607.94	19973.78	19062.53	17831.53	16398.03	14788.67	10627.25	10305.91	10305.91
45.0	20906.36	20719.84	20416.09	19307.66	18662.85	17357.25	15854.47	14181.16	12406.60
90.0	20693.20	20165.63	19307.66	18151.27	16760.40	15119.07	12571.80	10450.33	10450.33
135.0	20906.36	20767.81	20288.20	19478.19	18364.43	17010.86	16094.27	13685.56	11820.41
180.0	20607.94	20901.03	20794.45	20373.46	19616.74	18577.59	17245.34	15705.26	13994.65
225.0	20906.36	20698.53	20186.94	19371.61	18257.85	16882.96	15321.57	13632.27	9795.93
270.0	20693.20	20922.35	20735.83	20234.91	19440.88	18359.10	16984.22	15470.78	13797.47
315.0	20906.36	20661.23	20117.67	19259.70	18092.65	16717.77	15156.37	13472.40	9724.52
360.0	20607.94	19973.78	19062.53	17831.53	16398.03	14788.67	10627.25	10305.91	10305.91

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8782.35	7508.72	6511.66	5712.31	5086.69	4544.73	4074.18	3659.05	3300.94
45.0	10637.38	9044.01	7733.07	6672.60	5830.62	5169.82	4626.26	4136.00	3709.68
90.0	8854.29	7516.18	6478.09	5673.95	5021.68	4486.11	4018.76	3610.02	3250.85
135.0	10727.97	8473.80	7663.79	6566.02	5713.38	5047.26	4514.36	4050.73	3640.40
180.0	12182.79	10397.57	8777.56	7439.98	6571.35	5585.48	5079.23	4541.00	4082.71
225.0	9795.93	8298.48	7064.82	6098.13	5386.71	5028.60	4309.19	4040.61	3631.87
270.0	12054.89	10349.61	8798.87	7733.07	6432.80	5628.12	5105.87	4450.41	4082.71
315.0	9724.52	8828.71	7544.43	6495.15	5676.61	5041.39	4504.76	4040.07	3627.08
360.0	8782.35	7508.72	6511.66	5712.31	5086.69	4544.73	4074.18	3659.05	3300.94

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2975.34	2693.44	2445.11	2233.54	2048.09	1883.96	1767.79	1636.16	1510.40
45.0	3341.98	3006.25	2723.81	2723.81	2489.34	2122.70	1943.65	1792.30	1654.28
90.0	2940.70	2669.99	2436.05	2228.75	2081.67	1877.03	1726.76	1620.18	1514.13
135.0	3272.70	2958.29	2691.84	2691.84	2271.91	2120.04	1944.18	1758.20	1648.95
180.0	3661.72	3299.34	2974.27	2697.17	2697.17	2277.77	2089.66	1917.53	1764.59
225.0	3275.90	2966.28	2701.43	2458.96	2249.00	2064.61	1897.28	1748.07	1615.91
270.0	3667.04	3310.00	2990.26	2713.15	2713.15	2288.97	2098.72	1928.19	1772.05
315.0	3271.10	2954.02	2684.91	2449.90	2238.87	2055.56	1890.36	1745.41	1616.45
360.0	2975.34	2693.44	2445.11	2233.54	2048.09	1883.96	1767.79	1636.16	1510.40

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1434.73	1317.49	989.70	989.70	907.05	768.39	634.79	506.52	380.38
45.0	1543.97	1449.65	1338.80	1205.05	1067.03	928.47	792.05	655.63	528.80
90.0	1419.81	1303.63	986.45	986.45	902.84	764.98	632.34	501.83	377.19
135.0	1537.04	1442.72	1337.21	1203.98	1063.83	923.14	782.99	645.50	516.54
180.0	1680.39	1524.25	1429.40	1365.98	1182.13	1096.87	955.65	817.10	674.28
225.0	1505.07	1411.28	1293.51	1018.80	1018.80	901.45	732.58	625.57	497.73
270.0	1639.36	1530.12	1473.10	1315.89	1182.66	1097.93	951.92	809.63	670.55
315.0	1510.40	1454.98	1345.73	1019.12	1019.12	905.61	765.62	629.14	496.82
360.0	1434.73	1317.49	989.70	989.70	907.05	768.39	634.79	506.52	380.38

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	268.37	167.81	84.04	46.63	18.17	14.81	11.88	4.26	3.94
45.0	406.76	291.12	291.12	268.74	54.73	24.78	19.50	14.65	6.39
90.0	262.77	162.05	81.53	29.84	17.64	12.52	10.07	4.96	4.00
135.0	395.04	282.06	282.06	88.94	47.85	16.52	10.13	7.89	5.33
180.0	542.65	420.09	304.98	304.98	91.29	31.55	12.31	9.38	6.08
225.0	375.16	263.47	163.92	81.21	27.66	12.68	9.65	6.66	4.96
270.0	538.39	415.29	300.72	300.72	87.40	30.59	12.15	9.49	6.34
315.0	374.90	260.85	160.46	76.58	26.91	12.04	9.17	6.02	4.00
360.0	268.37	167.81	84.04	46.63	18.17	14.81	11.88	4.26	3.94

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	3.41	2.82	2.45	2.24	2.03	1.81	1.65	1.55	1.44
45.0	4.90	4.26	3.68	3.25	2.88	2.56	2.34	2.13	1.92
90.0	3.46	2.88	2.50	2.29	2.08	1.87	1.65	1.60	1.44
135.0	3.89	3.30	2.82	2.40	2.18	1.97	1.81	1.65	1.55
180.0	4.16	3.62	3.25	2.77	2.24	2.13	1.87	1.71	1.60
225.0	4.32	3.68	3.20	2.77	2.50	2.34	2.03	1.81	1.71
270.0	4.26	3.68	3.30	2.56	2.34	2.13	1.92	1.71	1.55
315.0	3.46	3.09	2.45	2.24	1.97	1.76	1.60	1.44	1.28
360.0	3.41	2.82	2.45	2.24	2.03	1.81	1.65	1.55	1.44
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	1.23	1.17	1.07	1.01	0.85	0.80	0.75	0.69	0.64
45.0	1.76	1.60	1.44	1.39	1.23	1.07	0.96	0.96	0.85
90.0	1.28	1.12	1.07	1.01	0.96	0.85	0.80	0.69	0.69
135.0	1.44	1.33	1.17	1.07	1.01	0.96	0.85	0.69	0.75
180.0	1.49	1.33	1.17	1.17	1.07	0.91	0.85	0.80	0.75
225.0	1.49	1.39	1.28	1.12	1.01	0.91	0.80	0.75	0.69
270.0	1.44	1.28	1.23	1.07	1.01	0.91	0.80	0.75	0.75
315.0	1.23	1.12	1.01	0.85	0.85	0.80	0.75	0.64	0.59
360.0	1.23	1.17	1.07	1.01	0.85	0.80	0.75	0.69	0.64
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	0.59	0.53	0.53	0.53	0.43	0.43	0.43	0.37	0.37
45.0	0.75	0.69	0.64	0.59	0.53	0.48	0.48	0.37	0.37
90.0	0.64	0.53	0.48	0.48	0.48	0.43	0.37	0.32	0.32
135.0	0.64	0.64	0.53	0.48	0.48	0.48	0.43	0.37	0.32
180.0	0.64	0.64	0.53	0.53	0.43	0.48	0.43	0.37	0.37
225.0	0.59	0.59	0.48	0.48	0.43	0.43	0.37	0.37	0.32
270.0	0.64	0.53	0.53	0.48	0.48	0.43	0.32	0.37	0.32
315.0	0.53	0.48	0.43	0.37	0.32	0.32	0.32	0.32	0.21
360.0	0.59	0.53	0.53	0.53	0.43	0.43	0.43	0.37	0.37
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	0.32	0.32	0.37	0.37	0.32	0.32	0.32	0.32	0.32
45.0	0.37	0.37	0.32	0.32	0.32	0.27	0.32	0.32	0.27
90.0	0.32	0.27	0.27	0.32	0.27	0.27	0.27	0.27	0.27
135.0	0.37	0.37	0.27	0.32	0.32	0.32	0.32	0.27	0.27
180.0	0.37	0.32	0.32	0.32	0.32	0.27	0.27	0.27	0.27
225.0	0.32	0.27	0.27	0.27	0.21	0.21	0.21	0.21	0.21
270.0	0.32	0.32	0.32	0.27	0.21	0.27	0.27	0.21	0.21
315.0	0.27	0.27	0.27	0.21	0.21	0.21	0.21	0.16	0.16
360.0	0.32	0.32	0.37	0.37	0.32	0.32	0.32	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	0.27	0.32	0.32	0.27	0.32	0.32	0.32
45.0	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.32	0.27
90.0	0.27	0.27	0.21	0.27	0.27	0.27	0.27	0.27	0.27
135.0	0.27	0.27	0.27	0.32	0.27	0.27	0.27	0.27	0.27
180.0	0.27	0.21	0.27	0.27	0.21	0.27	0.21	0.21	0.21
225.0	0.16	0.16	0.21	0.21	0.21	0.16	0.16	0.16	0.16
270.0	0.21	0.27	0.21	0.21	0.21	0.21	0.21	0.21	0.16
315.0	0.27	0.27	0.27	0.21	0.16	0.21	0.21	0.21	0.16
360.0	0.32	0.32	0.27	0.32	0.32	0.27	0.32	0.32	0.32

Intensity data(cd)

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