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NT

Client: NT

LumCAT: 3-2958-LM

Luminaire: 92.70.411.00

Report No: 20250413-B005

Ballast type: AC

Test No: 20250413-C005

Voltage(V): 35.510

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.895

Lamp flux(lm): 3860.0

Power (W): 31.780

Number of Lamps: 1

PF: 0.000

Length(mm): 85

Width(mm): 85

Phm Type: C

Height(mm): 52

Photometric Results

Lumens(lm): 3736.92, Efficiency(%): 96.81% , Luminous Efficacy(lm/W): 117.59

Central intensity(cd): 4999.828, Maximum intensity(cd): 5008.354

Angle of maximum intensity: C=45.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=58.0

[C90/270]Total=57.8

Field angle(10%Imax): [C0/180]Total=77.7

[C90/270]Total=75.3

Maximum s/h(1/2): C0_180=0.86 C90_270=0.84

Maximum s/h(1/4): C0_180=0.89 C90_270=0.84

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 96.79%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.712%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5003.824	0.000	0	0.00%	0.00%
1.0	4993.633	4.784	4.784	0.12%	0.13%
2.0	4966.854	14.296	19.08	0.37%	0.51%
3.0	4937.478	23.688	42.768	0.61%	1.14%
4.0	4884.188	32.876	75.644	0.85%	2.02%
5.0	4822.638	41.758	117.402	1.08%	3.14%
6.0	4756.892	50.343	167.745	1.30%	4.49%
7.0	4677.290	58.558	226.303	1.52%	6.06%
8.0	4590.760	66.330	292.633	1.72%	7.83%
9.0	4501.366	73.687	366.319	1.91%	9.80%
10.0	4408.242	80.629	446.948	2.09%	11.96%
11.0	4308.856	87.102	534.05	2.26%	14.29%
12.0	4208.937	93.112	627.162	2.41%	16.78%
13.0	4107.553	98.696	725.857	2.56%	19.42%
14.0	4005.103	103.841	829.699	2.69%	22.20%
15.0	3900.055	108.526	938.224	2.81%	25.11%
16.0	3797.805	112.795	1051.019	2.92%	28.13%
17.0	3694.223	116.671	1167.69	3.02%	31.25%
18.0	3606.028	120.365	1288.056	3.12%	34.47%
19.0	3518.033	123.944	1412	3.21%	37.79%
20.0	3428.639	127.143	1539.143	3.29%	41.19%
21.0	3340.444	129.980	1669.123	3.37%	44.67%
22.0	3269.168	132.823	1801.946	3.44%	48.22%
23.0	3164.453	134.995	1936.941	3.50%	51.83%
24.0	3075.726	136.433	2073.374	3.53%	55.48%
25.0	2968.679	137.437	2210.81	3.56%	59.16%
26.0	2845.446	137.243	2348.053	3.56%	62.83%
27.0	2735.336	136.535	2484.588	3.54%	66.49%
28.0	2609.971	135.332	2619.92	3.51%	70.11%
29.0	2472.816	132.980	2752.9	3.45%	73.67%
30.0	2302.754	128.939	2881.84	3.34%	77.12%
31.0	2097.321	122.448	3004.287	3.17%	80.39%
32.0	1864.977	113.515	3117.803	2.94%	83.43%
33.0	1536.497	100.209	3218.011	2.60%	86.11%
34.0	1308.922	86.111	3304.122	2.23%	88.42%
35.0	1089.767	74.494	3378.616	1.93%	90.41%
36.0	907.056	63.579	3442.196	1.65%	92.11%
37.0	716.024	52.936	3495.131	1.37%	93.53%

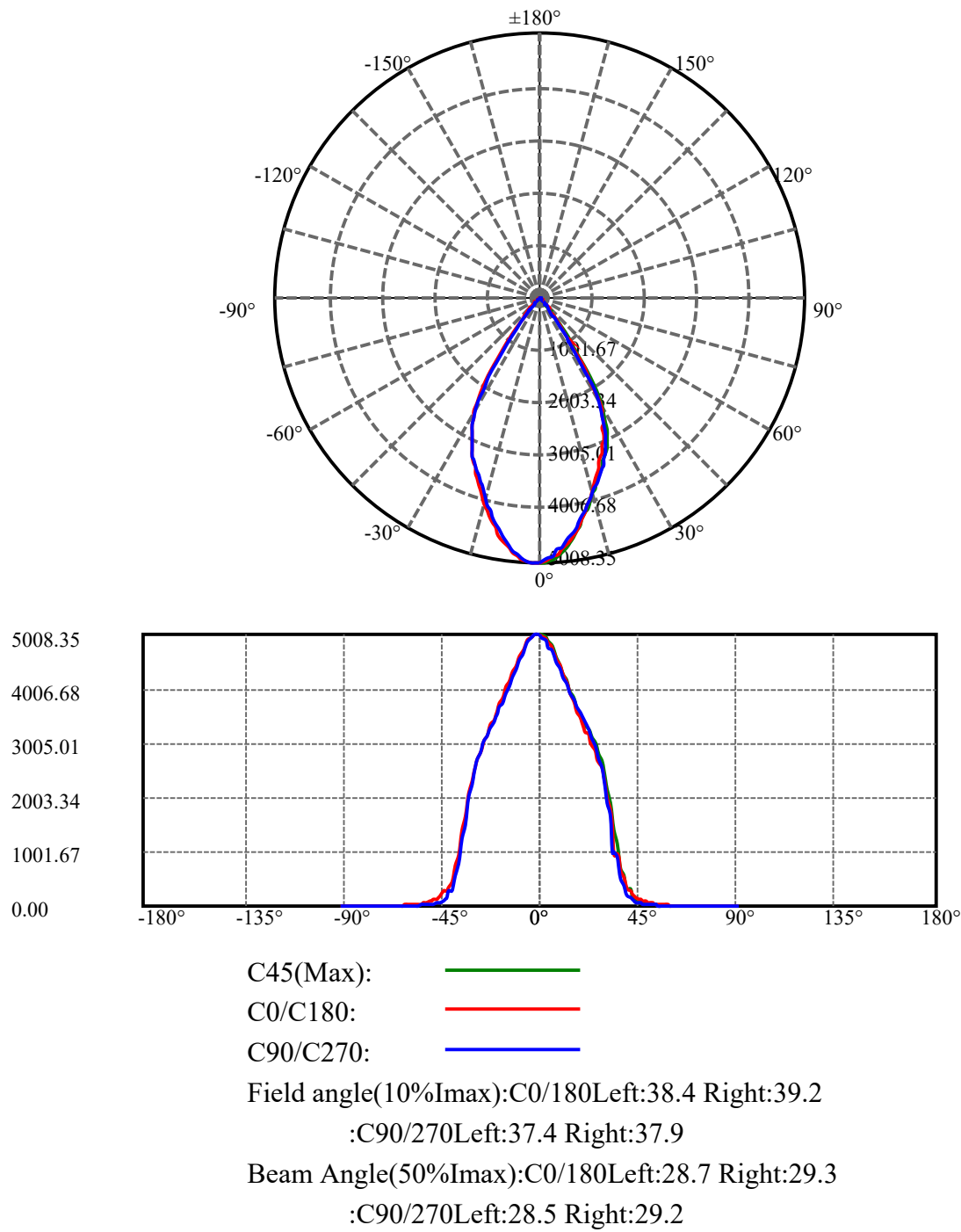
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	539.981	41.924	3537.055	1.09%	94.65%
39.0	397.690	32.005	3569.061	0.83%	95.51%
40.0	306.291	24.552	3593.613	0.64%	96.17%
41.0	269.328	20.498	3614.11	0.53%	96.71%
42.0	202.036	17.125	3631.236	0.44%	97.17%
43.0	174.971	13.965	3645.201	0.36%	97.55%
44.0	155.947	12.490	3657.691	0.32%	97.88%
45.0	118.717	10.556	3668.247	0.27%	98.16%
46.0	100.258	8.564	3676.81	0.22%	98.39%
47.0	85.091	7.372	3684.182	0.19%	98.59%
48.0	72.428	6.368	3690.55	0.16%	98.76%
49.0	61.843	5.514	3696.064	0.14%	98.91%
50.0	52.970	4.787	3700.851	0.12%	99.03%
51.0	45.490	4.166	3705.016	0.11%	99.15%
52.0	39.122	3.631	3708.647	0.09%	99.24%
53.0	33.786	3.171	3711.819	0.08%	99.33%
54.0	29.223	2.777	3714.596	0.07%	99.40%
55.0	25.586	2.447	3717.042	0.06%	99.47%
56.0	21.916	2.146	3719.189	0.06%	99.53%
57.0	19.164	1.878	3721.067	0.05%	99.58%
58.0	16.973	1.671	3722.738	0.04%	99.62%
59.0	14.395	1.466	3724.205	0.04%	99.66%
60.0	12.949	1.292	3725.496	0.03%	99.69%
61.0	11.264	1.156	3726.652	0.03%	99.73%
62.0	9.659	1.008	3727.66	0.03%	99.75%
63.0	8.626	0.889	3728.549	0.02%	99.78%
64.0	7.614	0.797	3729.346	0.02%	99.80%
65.0	6.788	0.713	3730.059	0.02%	99.82%
66.0	6.042	0.640	3730.699	0.02%	99.83%
67.0	5.409	0.576	3731.275	0.01%	99.85%
68.0	4.863	0.520	3731.795	0.01%	99.86%
69.0	4.390	0.472	3732.267	0.01%	99.88%
70.0	3.990	0.430	3732.698	0.01%	99.89%
71.0	3.644	0.395	3733.092	0.01%	99.90%
72.0	3.371	0.365	3733.457	0.01%	99.91%
73.0	3.124	0.340	3733.797	0.01%	99.92%
74.0	2.891	0.316	3734.113	0.01%	99.92%
75.0	2.678	0.294	3734.407	0.01%	99.93%

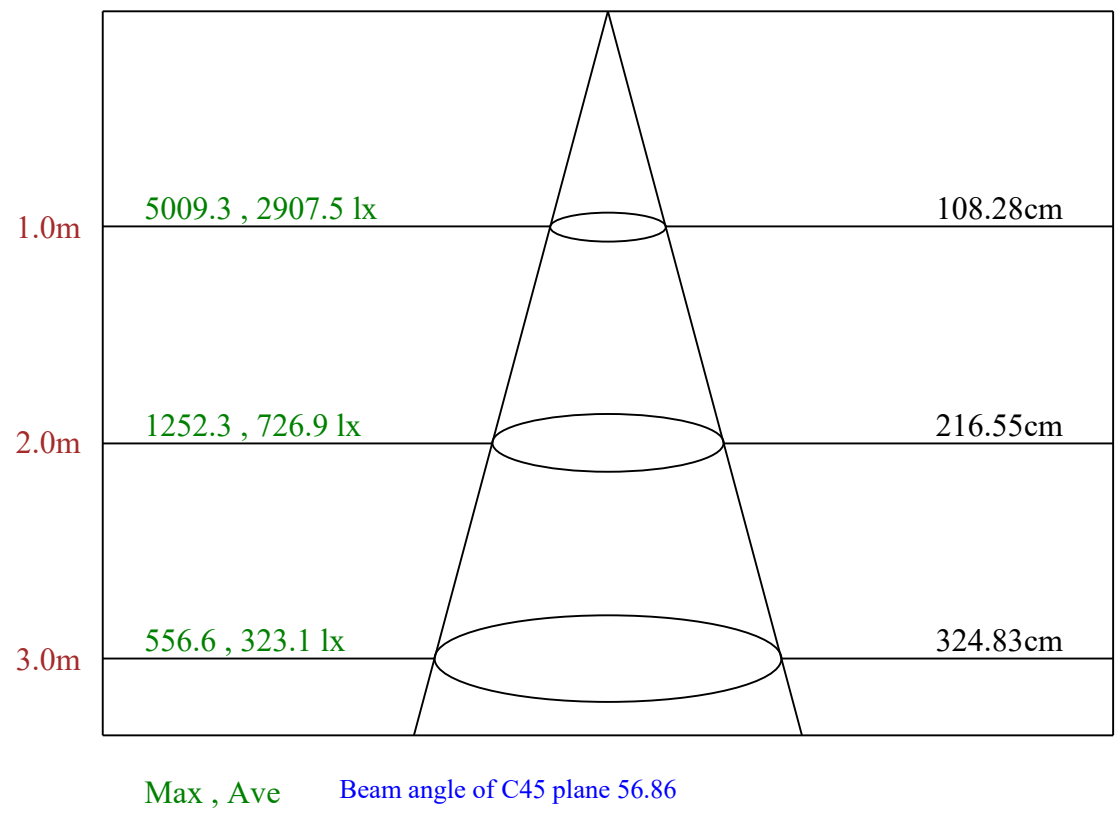
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	2.491	0.274	3734.681	0.01%	99.94%
77.0	2.318	0.256	3734.938	0.01%	99.95%
78.0	2.145	0.239	3735.177	0.01%	99.95%
79.0	1.985	0.222	3735.399	0.01%	99.96%
80.0	1.825	0.205	3735.604	0.01%	99.96%
81.0	1.705	0.191	3735.795	0.00%	99.97%
82.0	1.612	0.180	3735.975	0.00%	99.97%
83.0	1.452	0.167	3736.142	0.00%	99.98%
84.0	1.346	0.152	3736.294	0.00%	99.98%
85.0	1.219	0.140	3736.434	0.00%	99.99%
86.0	1.079	0.126	3736.56	0.00%	99.99%
87.0	0.953	0.111	3736.671	0.00%	99.99%
88.0	0.806	0.096	3736.767	0.00%	100.00%
89.0	0.693	0.082	3736.849	0.00%	100.00%
90.0	0.566	0.069	3736.918	0.00%	100.00%

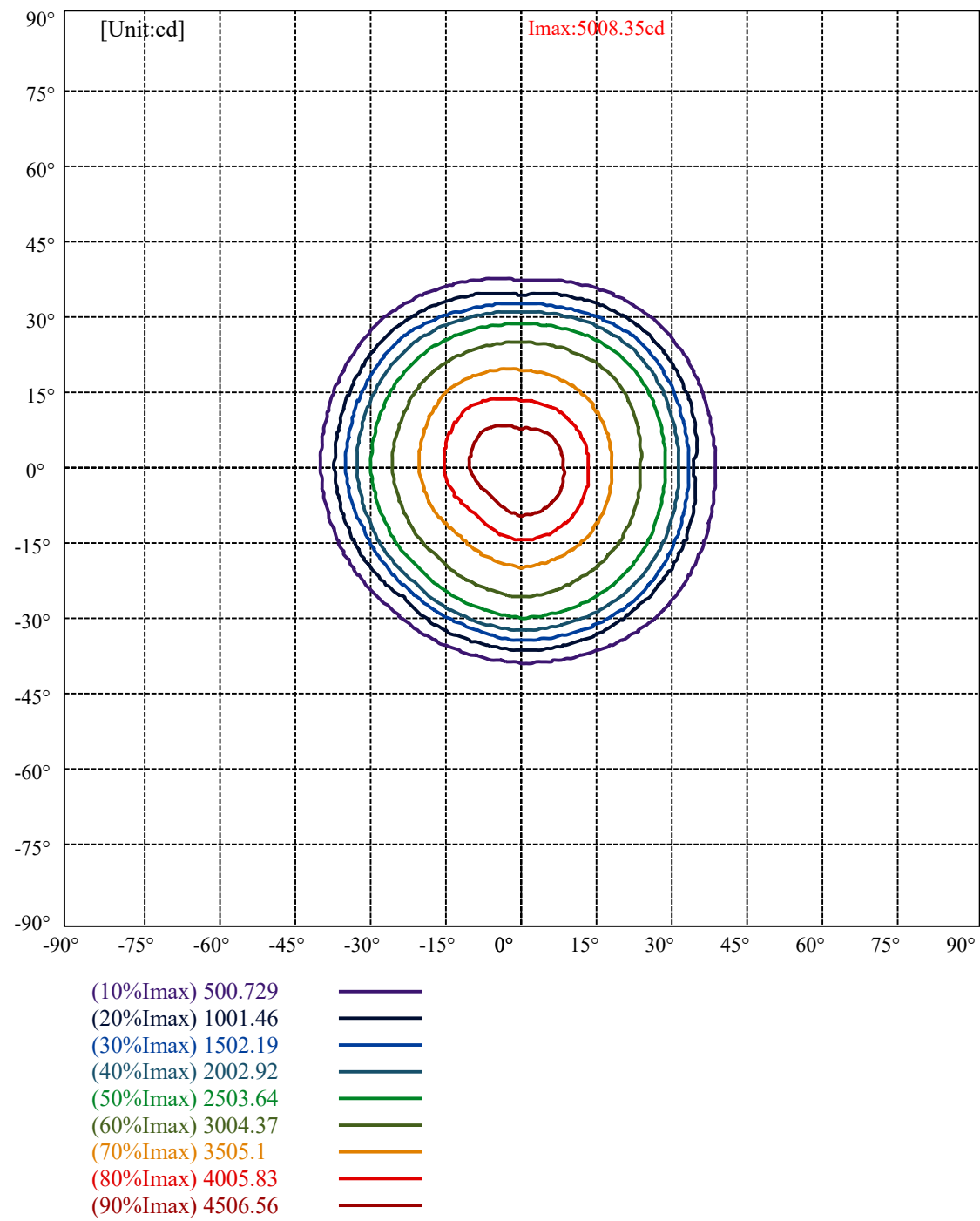
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	2881.84	74.66%	77.12%
0-40	3593.61	93.10%	96.17%
0-60	3725.50	96.51%	99.69%
0-90	3736.85	96.81%	100.00%
0-120	3736.85	96.81%	100.00%
0-180	3736.92	96.81%	100.00%
60-90	11.35	0.29%	0.30%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-30.88	2989.54	77.45%	80.00%

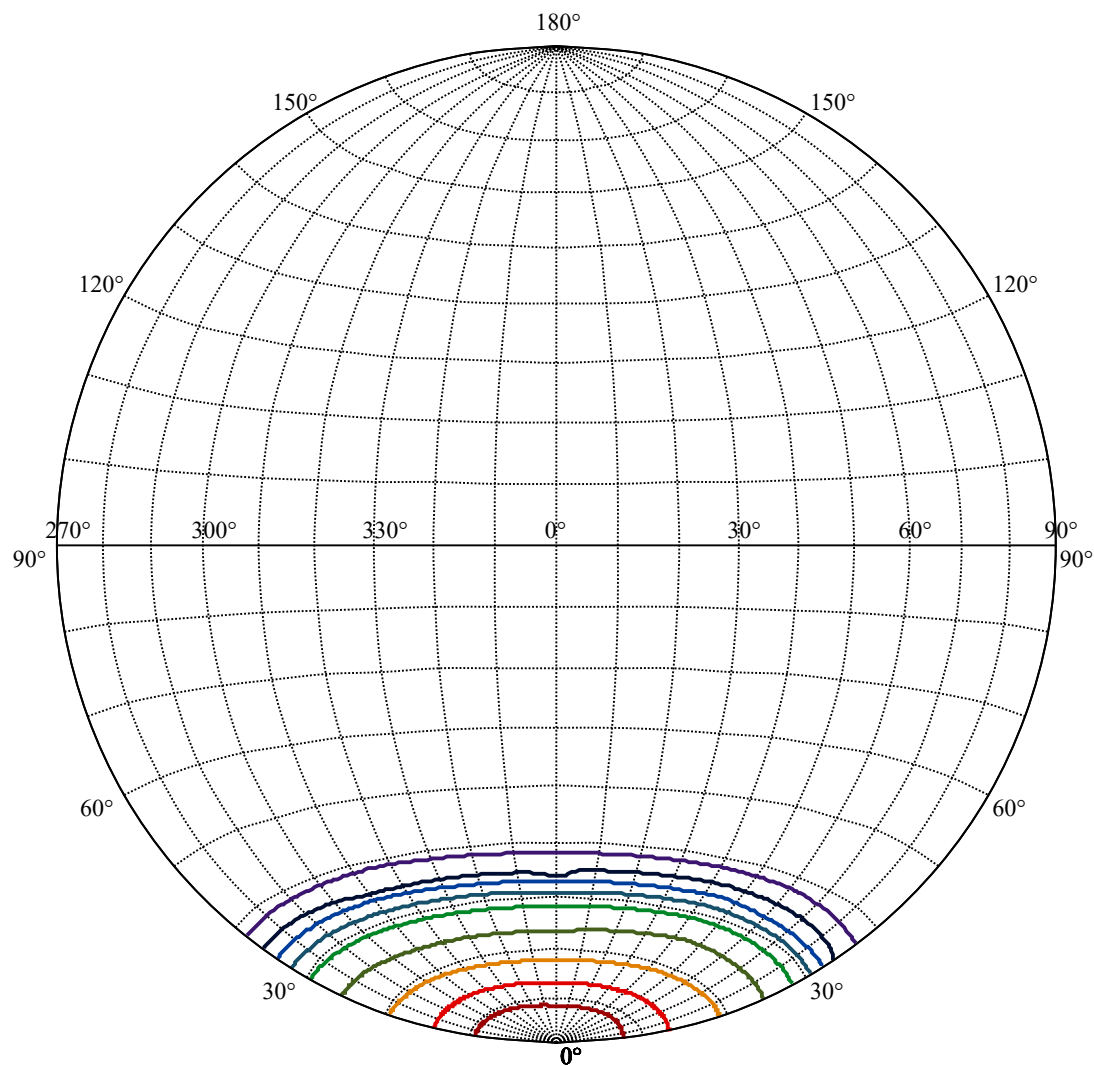
ZONAL LUMEN SUMMARY

0-10	446.95
10-20	1092.19
20-30	1342.70
30-40	711.77
40-50	107.24
50-60	24.65
60-70	7.20
70-80	2.91
80-90	1.25
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







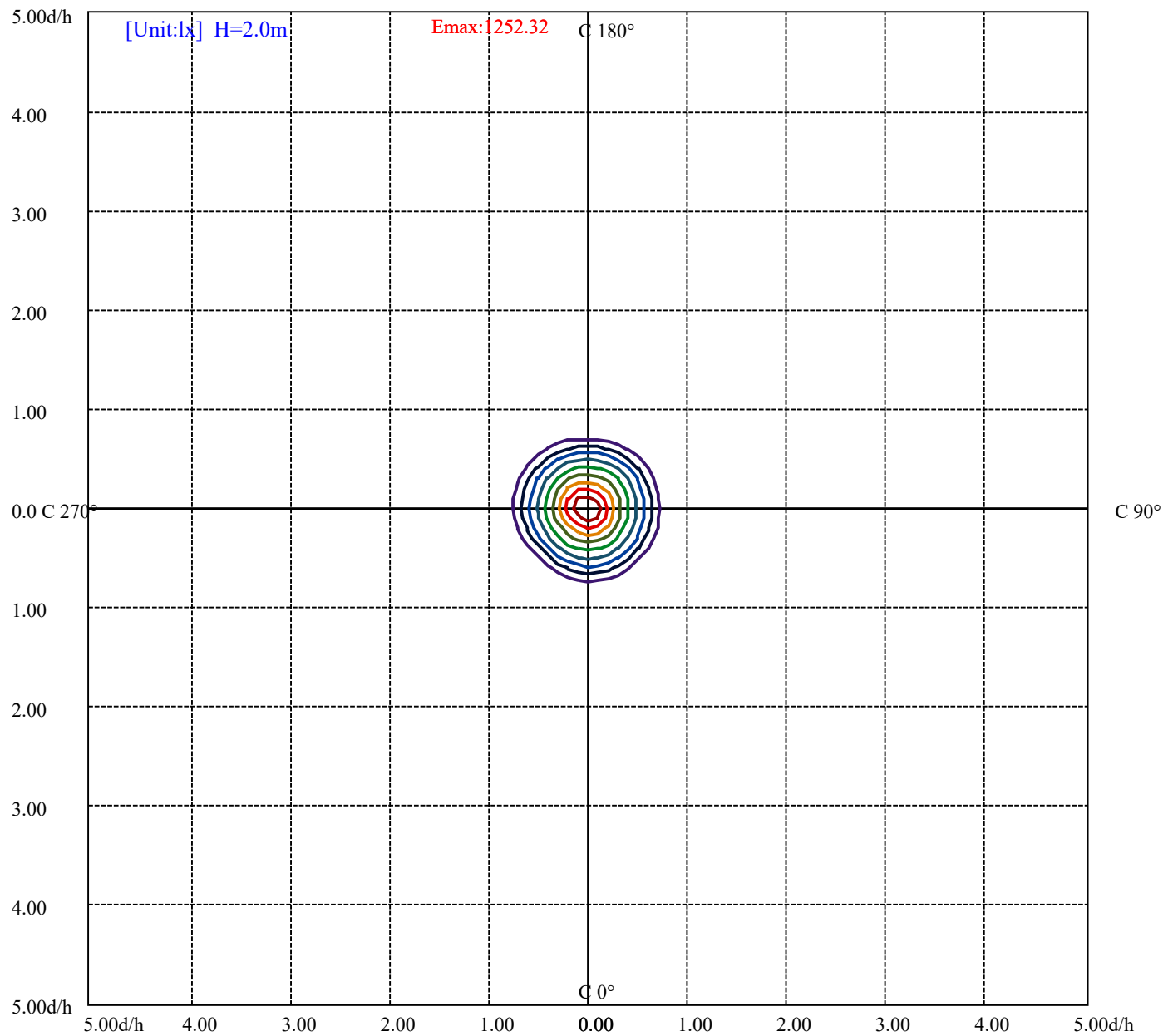


House

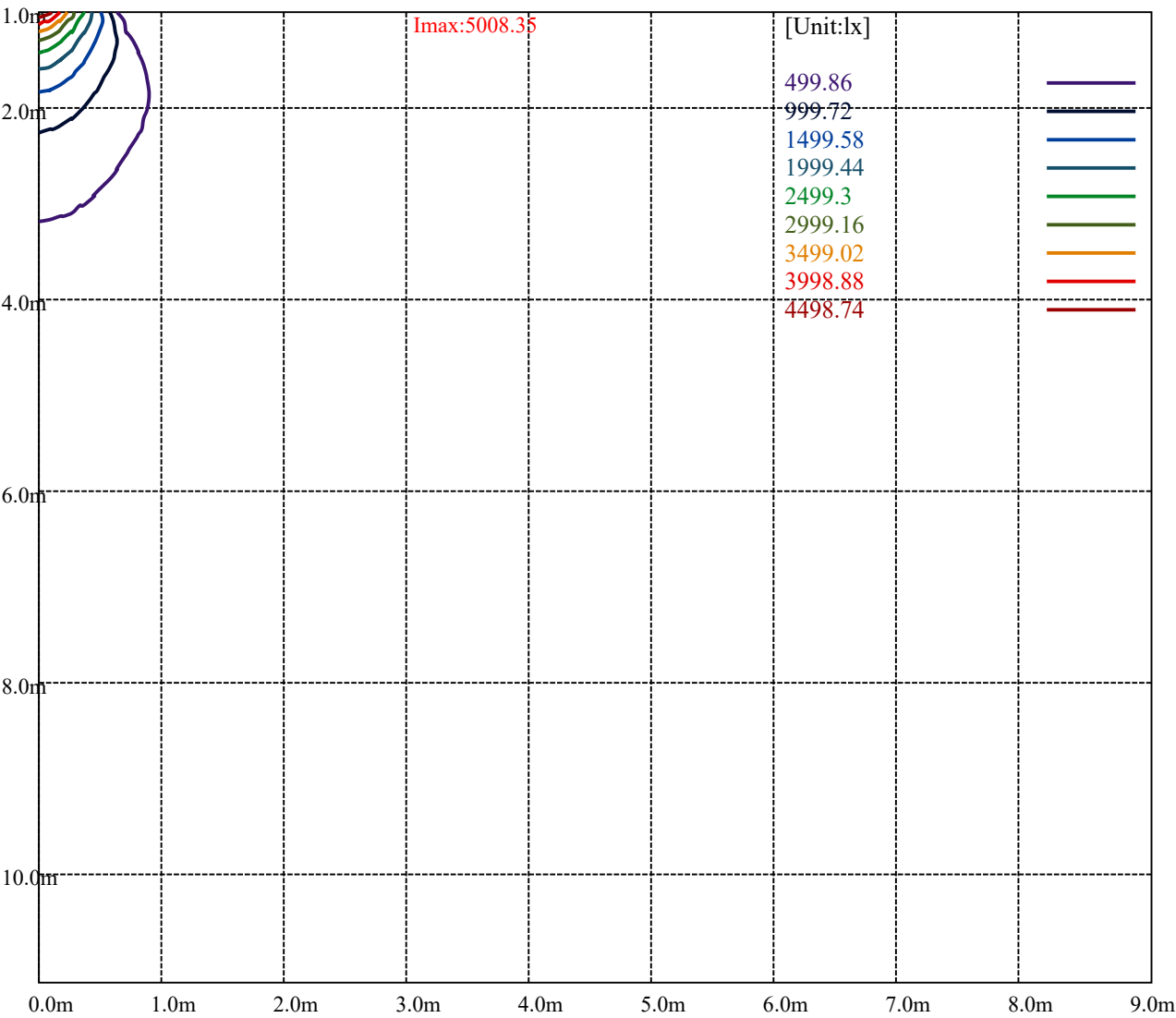
[Unit:cd]

Road

Imax:5008.35	
(10%Imax) 500.926	
(20%Imax) 1001.85	
(30%Imax) 1502.78	
(40%Imax) 2003.7	
(50%Imax) 2504.63	
(60%Imax) 3005.56	
(70%Imax) 3506.48	
(80%Imax) 4007.41	
(90%Imax) 4508.33	



(10%Emax)	125.2315	
(20%Emax)	250.4625	
(30%Emax)	375.695	
(40%Emax)	500.925	
(50%Emax)	626.1575	
(60%Emax)	751.3875	
(70%Emax)	876.62	
(80%Emax)	1001.852	
(90%Emax)	1127.083	



Luminance Table

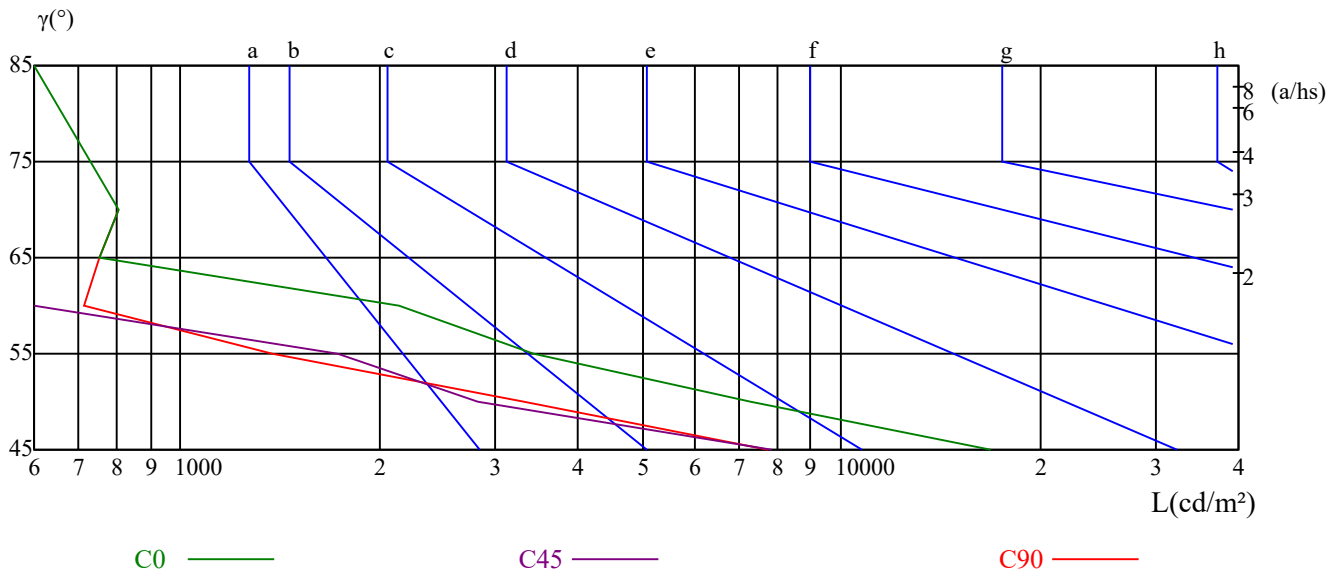
γ	45	50	55	60	65	70	75	80	85
C0	16827	7300	3432	2149	755	804	0	0	233
C45	7829	2825	1726	590	611	639	0	0	171
C90	7766	3318	1373	716	755	804	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2618	1745	2618	1425	0	1425	931	0	465

Glare Table

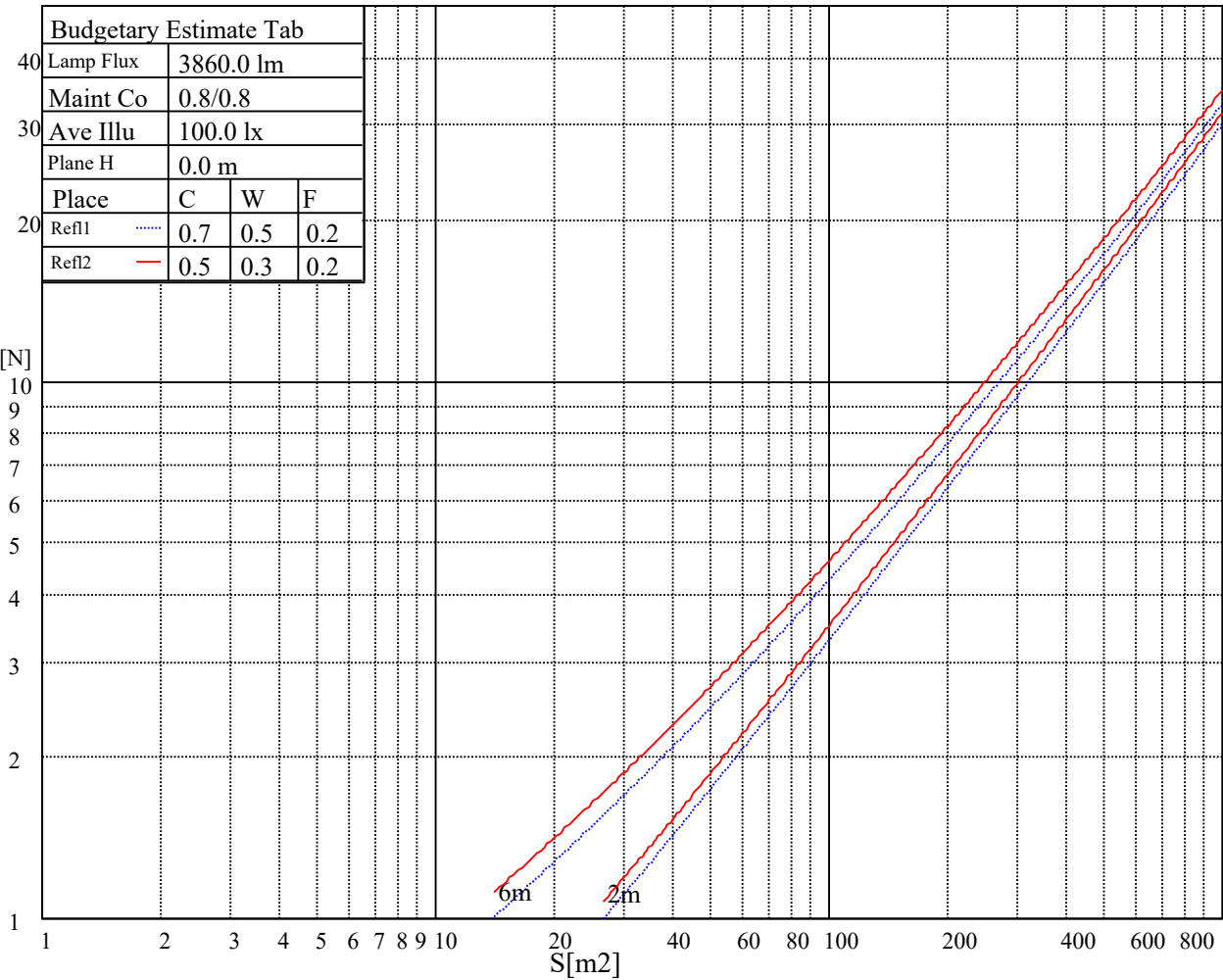
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

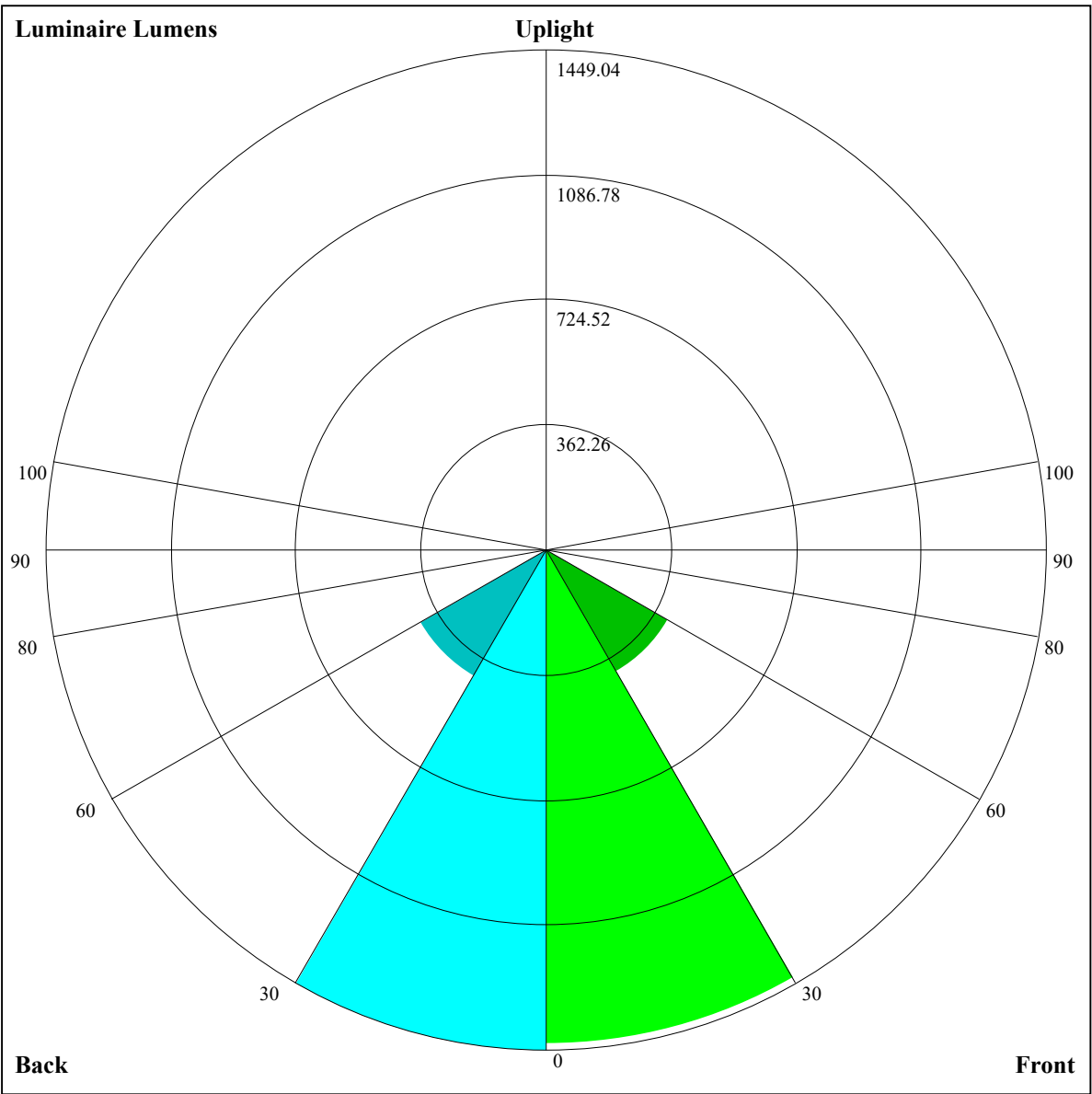


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	19.08	20.00	19.44	20.32	20.63	18.06	18.99	18.42	19.30	19.61
	3H	18.86	19.69	19.25	20.02	20.37	17.84	18.67	18.23	19.00	19.35
	4H	18.75	19.51	19.16	19.87	20.24	17.74	18.50	18.14	18.85	19.22
	6H	18.66	19.35	19.08	19.73	20.13	17.64	18.34	18.06	18.71	19.11
	8H	18.58	19.24	19.01	19.63	20.04	17.56	18.23	17.99	18.61	19.02
	12H	18.51	19.14	18.94	19.53	19.95	17.49	18.12	17.92	18.51	18.93
4H	2H	18.75	19.51	19.15	19.87	20.24	17.73	18.49	18.14	18.85	19.22
	3H	18.50	19.13	18.93	19.53	19.95	17.48	18.12	17.91	18.51	18.93
	4H	18.42	18.96	18.86	19.39	19.84	17.40	17.94	17.84	18.37	18.82
	6H	18.27	18.75	18.74	19.20	19.66	17.25	17.73	17.73	18.19	18.64
	8H	18.21	18.65	18.69	19.11	19.59	17.19	17.63	17.68	18.09	18.57
	12H	18.15	18.56	18.64	19.01	19.54	17.14	17.54	17.63	18.00	18.52
8H	4H	18.20	18.65	18.69	19.11	19.58	17.19	17.63	17.67	18.09	18.57
	6H	18.04	18.41	18.55	18.89	19.40	17.03	17.39	17.53	17.87	18.38
	8H	18.02	18.33	18.56	18.85	19.35	17.01	17.31	17.54	17.83	18.33
	12H	17.97	18.20	18.51	18.71	19.24	16.95	17.18	17.50	17.70	18.22
12H	4H	18.15	18.56	18.64	19.01	19.53	17.13	17.54	17.62	17.99	18.52
	6H	18.02	18.32	18.56	18.85	19.35	17.01	17.31	17.54	17.83	18.33
	8H	17.97	18.19	18.51	18.71	19.24	16.95	17.18	17.50	17.70	18.22
Variation with the observer position at spacings:											
S = 1.0H		6.0/-17.4					6.0/-15.1				
S = 1.5H		8.8/-19.1					8.8/-18.2				
S = 2.0H		10.8/-19.1					10.8/-19.3				
Standard tables:		BK0					BK0				
Uncorrected UGR		-1.1					-0.1				

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	1.15	1.15	1.15	1.13	1.13	1.13	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.97
1	1.08	1.05	1.03	1.05	1.03	1.02	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.93	0.91
2	1.00	0.97	0.94	0.99	0.95	0.93	0.96	0.93	0.91	0.93	0.91	0.89	0.90	0.88	0.87	0.85
3	0.94	0.89	0.86	0.93	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.82	0.86	0.83	0.81	0.80
4	0.88	0.83	0.79	0.87	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.75
5	0.83	0.78	0.74	0.82	0.77	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.71	0.70
6	0.78	0.73	0.69	0.77	0.72	0.68	0.76	0.71	0.68	0.75	0.71	0.67	0.73	0.70	0.67	0.66
7	0.74	0.68	0.64	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.63	0.70	0.66	0.63	0.62
8	0.70	0.64	0.60	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.58
9	0.66	0.61	0.57	0.66	0.60	0.57	0.65	0.60	0.57	0.64	0.59	0.56	0.63	0.59	0.56	0.55
10	0.63	0.57	0.54	0.62	0.57	0.54	0.61	0.57	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.52



Luminaire Lumens:

FL=1430.03,FM=408.32,FH=4.49,FVH=0.67

BL=1449.04,BM=420,BH=5.07,BVH=0.63

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	4999.83	4975.85	4934.81	4901.24	4847.42	4781.34	4712.06	4625.73	4539.40
45.0	5008.35	5001.96	4977.98	4942.27	4896.45	4829.83	4752.56	4668.36	4562.85
90.0	5000.36	4955.60	4924.16	4871.93	4772.81	4732.84	4650.78	4564.98	4473.86
135.0	5006.76	5004.62	4975.31	4957.20	4907.64	4854.35	4801.06	4745.10	4683.82
180.0	4999.83	5007.29	5001.43	4984.37	4948.14	4901.77	4842.62	4768.02	4690.21
225.0	5008.35	5001.43	4954.53	4925.75	4869.27	4757.36	4703.54	4611.34	4510.63
270.0	5000.36	5003.56	4999.83	4974.78	4935.35	4880.46	4811.71	4731.25	4642.25
315.0	5006.76	4998.76	4966.79	4942.27	4896.45	4843.16	4780.81	4703.54	4623.07
360.0	4999.83	4975.85	4934.81	4901.24	4847.42	4781.34	4712.06	4625.73	4539.40
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4447.21	4350.22	4248.44	4145.06	4034.21	3919.11	3802.93	3688.89	3584.45
45.0	4461.60	4369.41	4256.97	4155.71	4054.46	3944.69	3845.03	3762.97	3644.66
90.0	4386.46	4293.74	4197.81	4100.29	4010.77	3926.57	3829.05	3748.58	3667.58
135.0	4622.53	4546.33	4470.13	4383.26	4290.00	4193.02	4096.03	3991.58	3889.80
180.0	4611.34	4523.95	4428.03	4334.77	4237.25	4138.66	4032.08	3927.10	3818.39
225.0	4401.38	4300.13	4193.55	4088.57	3986.25	3887.67	3786.41	3679.83	3580.71
270.0	4550.59	4452.01	4348.62	4243.11	4136.53	4030.48	3926.03	3821.05	3718.74
315.0	4529.81	4430.16	4327.31	4220.73	4110.95	4000.64	3882.87	3762.43	3649.46
360.0	4447.21	4350.22	4248.44	4145.06	4034.21	3919.11	3802.93	3688.89	3584.45
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3486.92	3394.20	3305.21	3218.34	3163.45	3030.23	2968.41	2864.50	2716.88
45.0	3554.60	3483.19	3409.65	3322.26	3275.90	3199.16	3114.96	3022.77	2911.39
90.0	3591.91	3515.70	3440.56	3379.81	3275.90	3175.71	3086.72	2943.90	2837.32
135.0	3792.81	3693.16	3587.11	3480.00	3398.46	3258.84	3142.67	3048.88	2924.72
180.0	3719.80	3619.62	3516.23	3417.11	3359.56	3255.65	3146.93	3041.42	2933.77
225.0	3495.45	3413.38	3330.78	3242.86	3184.77	3045.15	2983.87	2866.10	2687.57
270.0	3661.72	3539.15	3487.46	3404.33	3291.88	3241.79	3151.73	3052.61	2947.10
315.0	3545.01	3485.86	3352.10	3258.84	3203.42	3109.10	3010.51	2909.26	2804.81
360.0	3486.92	3394.20	3305.21	3218.34	3163.45	3030.23	2968.41	2864.50	2716.88
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	2653.47	2541.03	2405.67	2213.29	1997.47	1768.32	1531.18	979.68	979.68
45.0	2786.69	2659.86	2512.78	2348.12	2142.95	1899.95	1643.62	1387.83	1139.50
90.0	2692.90	2543.69	2376.36	2153.08	1904.74	1646.29	1040.27	989.92	897.72
135.0	2795.75	2664.66	2534.10	2391.28	2205.83	1993.74	1764.06	1526.92	1289.24
180.0	2818.14	2701.43	2587.39	2461.09	2299.62	2094.46	1871.70	1637.76	1396.89
225.0	2606.57	2470.15	2311.35	2099.25	1854.65	1599.93	1005.74	1005.74	823.86
270.0	2832.52	2709.42	2578.33	2433.38	2245.80	2012.92	1760.33	1501.87	1241.28
315.0	2696.63	2589.52	2476.55	2322.54	2127.50	1904.21	1675.06	1441.65	949.95
360.0	2653.47	2541.03	2405.67	2213.29	1997.47	1768.32	1531.18	979.68	979.68
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	893.25	657.23	522.51	398.66	315.32	274.60	230.91	193.82	162.64
45.0	901.29	688.67	575.16	349.21	324.16	324.16	152.57	118.73	93.90
90.0	678.33	485.47	385.07	256.11	174.10	151.45	120.01	96.14	76.58
135.0	1063.83	854.93	663.09	506.95	399.30	340.15	291.66	283.13	283.13
180.0	1162.95	945.52	744.62	566.63	421.68	339.62	288.46	269.81	269.81
225.0	616.03	504.60	288.46	220.89	145.38	113.61	98.75	78.76	63.20
270.0	990.82	764.34	563.97	392.91	281.00	281.00	153.74	120.76	96.14
315.0	949.95	827.43	576.97	490.16	389.39	330.02	280.20	238.63	202.18
360.0	893.25	657.23	522.51	398.66	315.32	274.60	230.91	193.82	162.64

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	137.38	116.39	98.69	83.72	71.04	60.64	51.80	44.23	37.84
45.0	74.55	60.27	49.24	40.50	33.68	28.19	23.87	20.30	17.48
90.0	62.35	51.37	42.74	35.60	29.90	25.31	21.69	18.60	16.15
135.0	195.09	168.98	146.71	127.15	110.47	96.24	83.72	72.90	63.42
180.0	180.65	154.33	132.43	113.88	98.00	84.14	72.37	62.14	53.56
225.0	51.58	42.31	35.06	29.47	24.99	21.37	18.39	15.93	13.96
270.0	76.20	61.71	50.63	41.94	35.01	29.42	24.99	21.37	18.44
315.0	171.91	146.71	125.23	107.17	91.66	78.44	67.09	57.50	49.45
360.0	137.38	116.39	98.69	83.72	71.04	60.64	51.80	44.23	37.84
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.35	27.60	23.61	20.25	17.43	14.87	13.54	10.87	9.97
45.0	15.13	13.48	11.35	10.18	9.01	7.99	7.14	6.34	5.65
90.0	14.07	12.20	10.60	9.27	8.21	7.46	6.55	5.86	5.38
135.0	55.26	48.28	42.05	36.61	32.61	27.50	23.82	21.21	17.69
180.0	46.31	39.75	34.16	29.42	26.86	21.80	20.04	17.27	13.91
225.0	12.26	10.76	9.49	8.47	7.62	6.82	6.34	5.65	4.85
270.0	15.99	13.86	12.79	10.60	9.38	8.63	7.78	6.98	6.13
315.0	42.42	38.74	31.28	28.51	24.67	20.09	18.39	15.93	13.70
360.0	32.35	27.60	23.61	20.25	17.43	14.87	13.54	10.87	9.97
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	8.63	7.57	6.77	6.02	5.28	4.69	4.26	3.84	3.52
45.0	5.06	4.69	4.37	4.00	3.68	3.52	3.30	3.09	2.93
90.0	4.85	4.53	4.21	3.89	3.62	3.36	3.20	2.98	2.82
135.0	15.77	13.70	11.94	10.39	9.06	7.99	6.98	6.13	5.44
180.0	12.74	10.87	9.38	8.21	7.19	6.23	5.44	4.85	4.32
225.0	4.53	4.16	3.89	3.57	3.30	3.09	2.93	2.77	2.56
270.0	5.49	4.96	4.53	4.16	3.89	3.62	3.36	3.14	2.93
315.0	11.94	10.44	9.22	8.10	7.25	6.39	5.65	5.12	4.64
360.0	8.63	7.57	6.77	6.02	5.28	4.69	4.26	3.84	3.52
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	3.25	3.04	2.77	2.61	2.34	2.18	2.03	1.87	1.71
45.0	2.77	2.61	2.45	2.29	2.18	2.08	2.03	1.87	1.76
90.0	2.61	2.50	2.40	2.24	2.13	1.97	1.92	1.76	1.65
135.0	4.85	4.32	3.84	3.46	3.14	2.88	2.61	2.40	2.18
180.0	3.89	3.46	3.25	2.98	2.72	2.50	2.29	2.13	1.87
225.0	2.45	2.34	2.24	2.08	1.97	1.87	1.71	1.60	1.44
270.0	2.82	2.72	2.56	2.40	2.29	2.13	1.97	1.81	1.71
315.0	4.32	4.00	3.62	3.36	3.14	2.93	2.61	2.45	2.29
360.0	3.25	3.04	2.77	2.61	2.34	2.18	2.03	1.87	1.71
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.55	1.55	1.39	1.28	1.17	1.01	0.96	0.85	0.75
45.0	1.65	1.55	1.44	1.33	1.17	1.07	0.96	0.80	0.69
90.0	1.55	1.49	1.33	1.23	1.07	1.01	0.91	0.75	0.64
135.0	2.08	1.92	1.71	1.60	1.44	1.28	1.12	0.96	0.85
180.0	1.71	1.60	1.39	1.33	1.17	1.07	0.91	0.80	0.64
225.0	1.39	1.28	1.12	1.01	0.96	0.80	0.69	0.59	0.48
270.0	1.60	1.49	1.39	1.28	1.17	1.01	0.91	0.80	0.64
315.0	2.13	2.03	1.87	1.71	1.60	1.39	1.17	0.91	0.85
360.0	1.55	1.55	1.39	1.28	1.17	1.01	0.96	0.85	0.75

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	0.64
45.0	0.59
90.0	0.53
135.0	0.59
180.0	0.53
225.0	0.37
270.0	0.53
315.0	0.75
360.0	0.64