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NT

Client: NT

LumCAT: 1-1585-L

Luminaire: 92.70.410.00 LED HOLDER

Report No: 20250321-B002

Ballast type: AC

Test No: 20250321-C002

Voltage(V): 34.830

LampCAT: LUMILEDS LUXEON COB 1203 Current(A): 0.301

Lamp flux(lm): 1547.0 Power (W): 10.480

Number of Lamps: 1 PF: 0.000

Length(mm): 50 Width(mm): 50

Phm Type: C Height(mm): 33

Photometric Results

Lumens(lm): 1473.18, Efficiency(%): 95.23% , Luminous Efficacy(lm/W): 140.57

Central intensity(cd): 5752.815, Maximum intensity(cd): 5838.080

Angle of maximum intensity: C=180.0 γ =2.0

Beam Angle(50%Imax): [C0/180]Total=24.0

[C90/270]Total=24.1

Field angle(10%Imax): [C0/180]Total=56.2

[C90/270]Total=55.7

Maximum s/h(1/2): C0_180=0.48 C90_270=0.38

Maximum s/h(1/4): C0_180=0.47 C90_270=0.40

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 95.11%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.750%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5798.378	0.000	0	0.00%	0.00%
1.0	5764.273	5.533	5.533	0.36%	0.38%
2.0	5673.147	16.416	21.949	1.06%	1.49%
3.0	5525.267	26.783	48.732	1.73%	3.31%
4.0	5316.903	36.292	85.024	2.35%	5.77%
5.0	5074.767	44.704	129.728	2.89%	8.81%
6.0	4785.868	51.820	181.548	3.35%	12.32%
7.0	4448.076	57.315	238.863	3.70%	16.21%
8.0	4176.564	61.725	300.588	3.99%	20.40%
9.0	3831.045	64.897	365.486	4.20%	24.81%
10.0	3517.233	66.499	431.985	4.30%	29.32%
11.0	3217.743	67.296	499.281	4.35%	33.89%
12.0	2937.638	67.287	566.568	4.35%	38.46%
13.0	2620.629	65.963	632.531	4.26%	42.94%
14.0	2347.917	63.597	696.128	4.11%	47.25%
15.0	2076.671	60.743	756.87	3.93%	51.38%
16.0	1830.405	57.250	814.12	3.70%	55.26%
17.0	1637.229	54.000	868.12	3.49%	58.93%
18.0	1434.154	50.640	918.761	3.27%	62.37%
19.0	1250.550	46.708	965.469	3.02%	65.54%
20.0	1132.952	43.625	1009.094	2.82%	68.50%
21.0	1035.098	41.631	1050.725	2.69%	71.32%
22.0	937.471	39.640	1090.364	2.56%	74.01%
23.0	847.171	37.447	1127.811	2.42%	76.56%
24.0	773.238	35.428	1163.239	2.29%	78.96%
25.0	714.732	33.833	1197.072	2.19%	81.26%
26.0	659.837	32.447	1229.519	2.10%	83.46%
27.0	617.358	31.247	1260.766	2.02%	85.58%
28.0	560.864	29.830	1290.596	1.93%	87.61%
29.0	515.861	28.170	1318.766	1.82%	89.52%
30.0	445.504	25.957	1344.723	1.68%	91.28%
31.0	389.843	23.247	1367.969	1.50%	92.86%
32.0	323.830	20.446	1388.415	1.32%	94.25%
33.0	267.995	17.435	1405.851	1.13%	95.43%
34.0	208.264	14.413	1420.264	0.93%	96.41%
35.0	160.523	11.453	1431.717	0.74%	97.19%
36.0	103.423	8.404	1440.121	0.54%	97.76%
37.0	56.800	5.226	1445.346	0.34%	98.11%

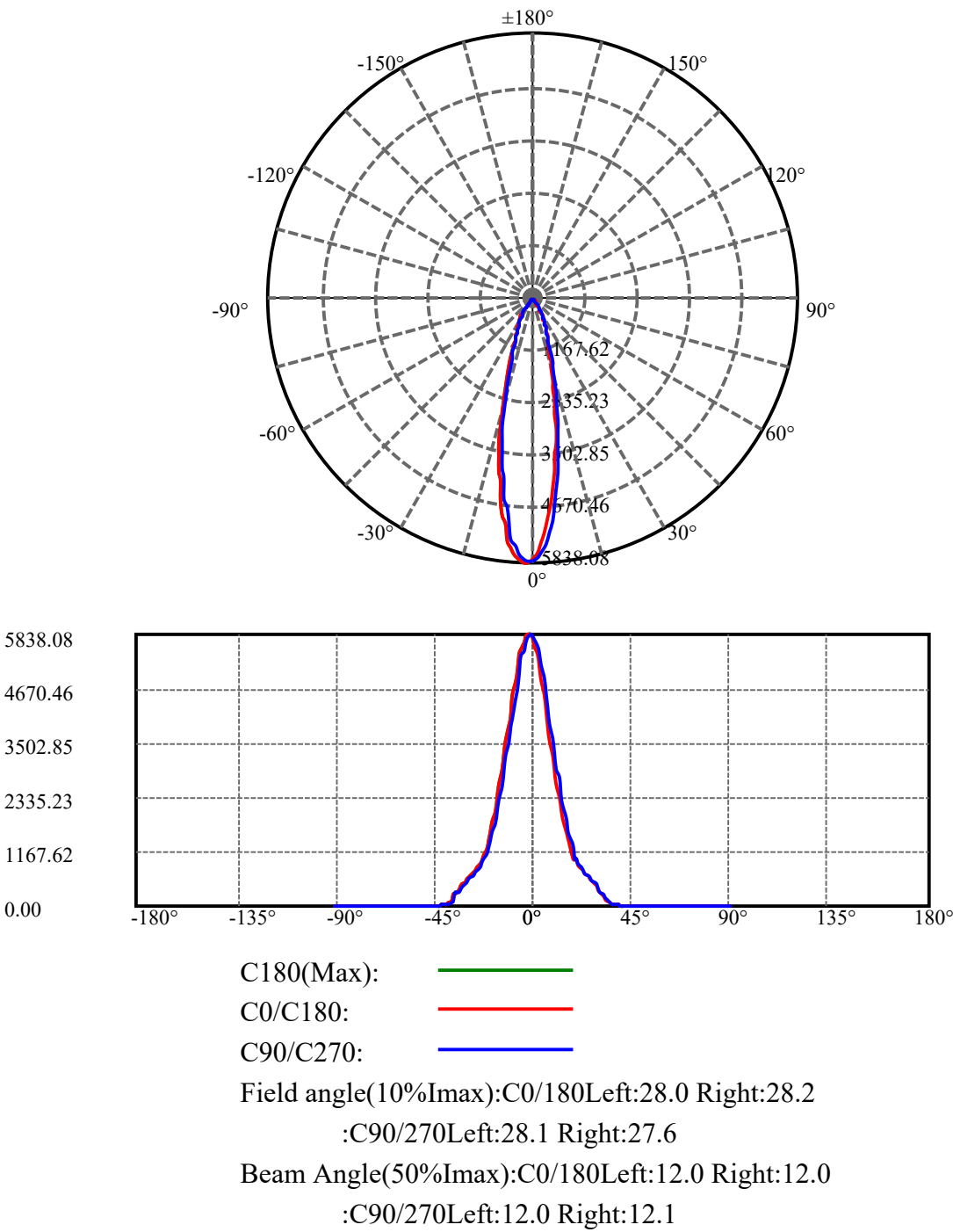
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	36.317	3.108	1448.455	0.20%	98.32%
39.0	26.199	2.134	1450.588	0.14%	98.47%
40.0	21.636	1.668	1452.257	0.11%	98.58%
41.0	18.705	1.437	1453.693	0.09%	98.68%
42.0	16.020	1.262	1454.955	0.08%	98.76%
43.0	14.142	1.117	1456.072	0.07%	98.84%
44.0	12.536	1.007	1457.079	0.07%	98.91%
45.0	11.551	0.926	1458.005	0.06%	98.97%
46.0	10.618	0.867	1458.872	0.06%	99.03%
47.0	9.745	0.810	1459.682	0.05%	99.08%
48.0	8.906	0.754	1460.436	0.05%	99.13%
49.0	8.406	0.711	1461.147	0.05%	99.18%
50.0	7.994	0.684	1461.83	0.04%	99.23%
51.0	7.587	0.659	1462.49	0.04%	99.27%
52.0	7.287	0.638	1463.128	0.04%	99.32%
53.0	7.108	0.626	1463.754	0.04%	99.36%
54.0	6.901	0.617	1464.371	0.04%	99.40%
55.0	6.715	0.608	1464.979	0.04%	99.44%
56.0	6.395	0.592	1465.572	0.04%	99.48%
57.0	6.148	0.574	1466.145	0.04%	99.52%
58.0	5.789	0.552	1466.697	0.04%	99.56%
59.0	5.442	0.525	1467.222	0.03%	99.60%
60.0	5.049	0.496	1467.718	0.03%	99.63%
61.0	4.690	0.465	1468.183	0.03%	99.66%
62.0	4.303	0.433	1468.616	0.03%	99.69%
63.0	3.877	0.398	1469.014	0.03%	99.72%
64.0	3.497	0.362	1469.376	0.02%	99.74%
65.0	3.137	0.328	1469.704	0.02%	99.76%
66.0	2.731	0.293	1469.997	0.02%	99.78%
67.0	2.398	0.258	1470.255	0.02%	99.80%
68.0	2.132	0.229	1470.484	0.01%	99.82%
69.0	1.898	0.206	1470.69	0.01%	99.83%
70.0	1.792	0.190	1470.879	0.01%	99.84%
71.0	1.712	0.181	1471.06	0.01%	99.86%
72.0	1.659	0.175	1471.236	0.01%	99.87%
73.0	1.565	0.169	1471.404	0.01%	99.88%
74.0	1.499	0.161	1471.565	0.01%	99.89%
75.0	1.445	0.156	1471.721	0.01%	99.90%

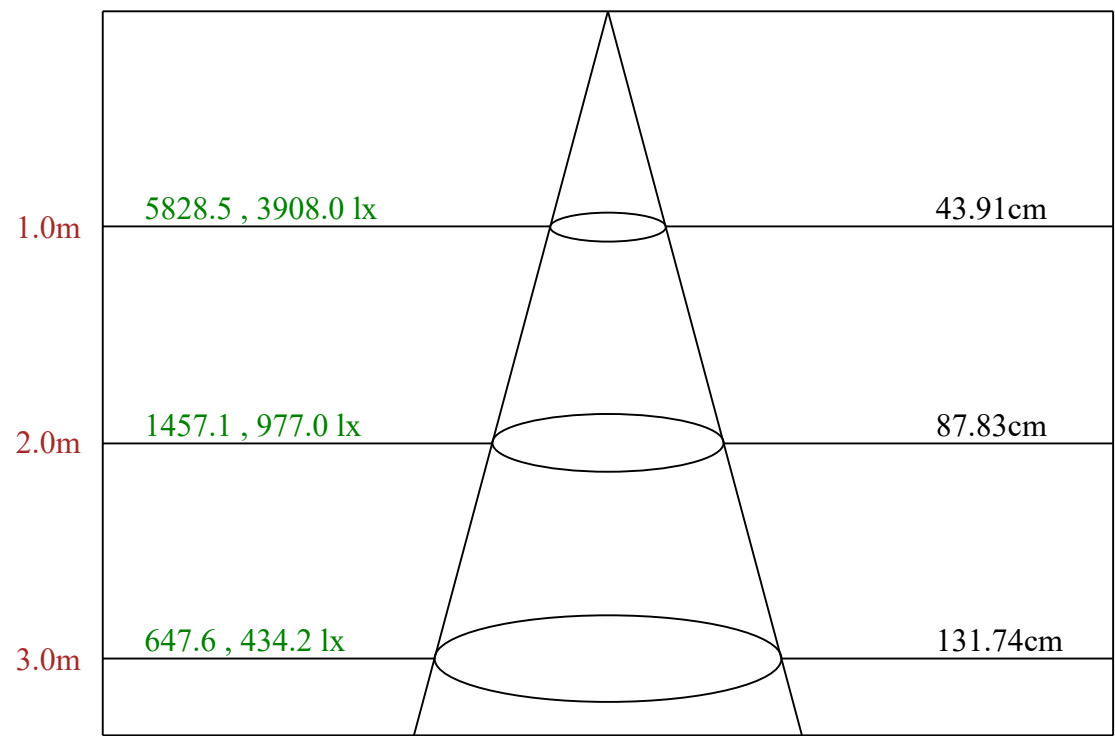
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	1.352	0.149	1471.869	0.01%	99.91%
77.0	1.272	0.140	1472.009	0.01%	99.92%
78.0	1.212	0.133	1472.142	0.01%	99.93%
79.0	1.139	0.126	1472.269	0.01%	99.94%
80.0	1.086	0.120	1472.389	0.01%	99.95%
81.0	1.006	0.113	1472.502	0.01%	99.95%
82.0	0.946	0.106	1472.607	0.01%	99.96%
83.0	0.866	0.098	1472.706	0.01%	99.97%
84.0	0.799	0.091	1472.797	0.01%	99.97%
85.0	0.719	0.083	1472.88	0.01%	99.98%
86.0	0.653	0.075	1472.955	0.00%	99.98%
87.0	0.580	0.067	1473.022	0.00%	99.99%
88.0	0.513	0.060	1473.082	0.00%	99.99%
89.0	0.460	0.053	1473.135	0.00%	100.00%
90.0	0.380	0.046	1473.181	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	1344.72	86.92%	91.28%
0-40	1452.26	93.88%	98.58%
0-60	1467.72	94.88%	99.63%
0-90	1473.14	95.23%	100.00%
0-120	1473.14	95.23%	100.00%
0-180	1473.18	95.23%	100.00%
60-90	5.42	0.35%	0.37%
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%
0-24.45	1178.55	76.18%	80.00%

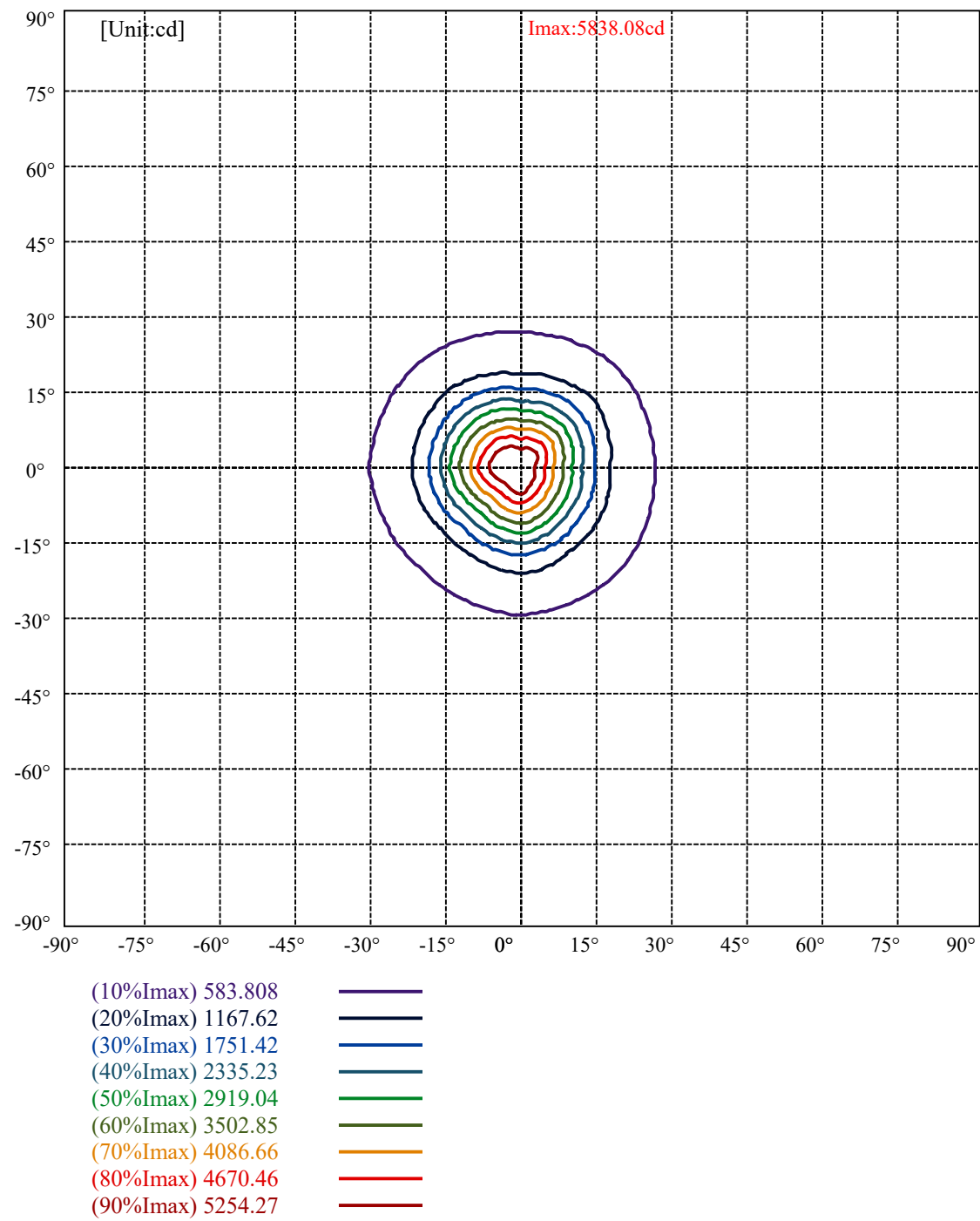
ZONAL LUMEN SUMMARY

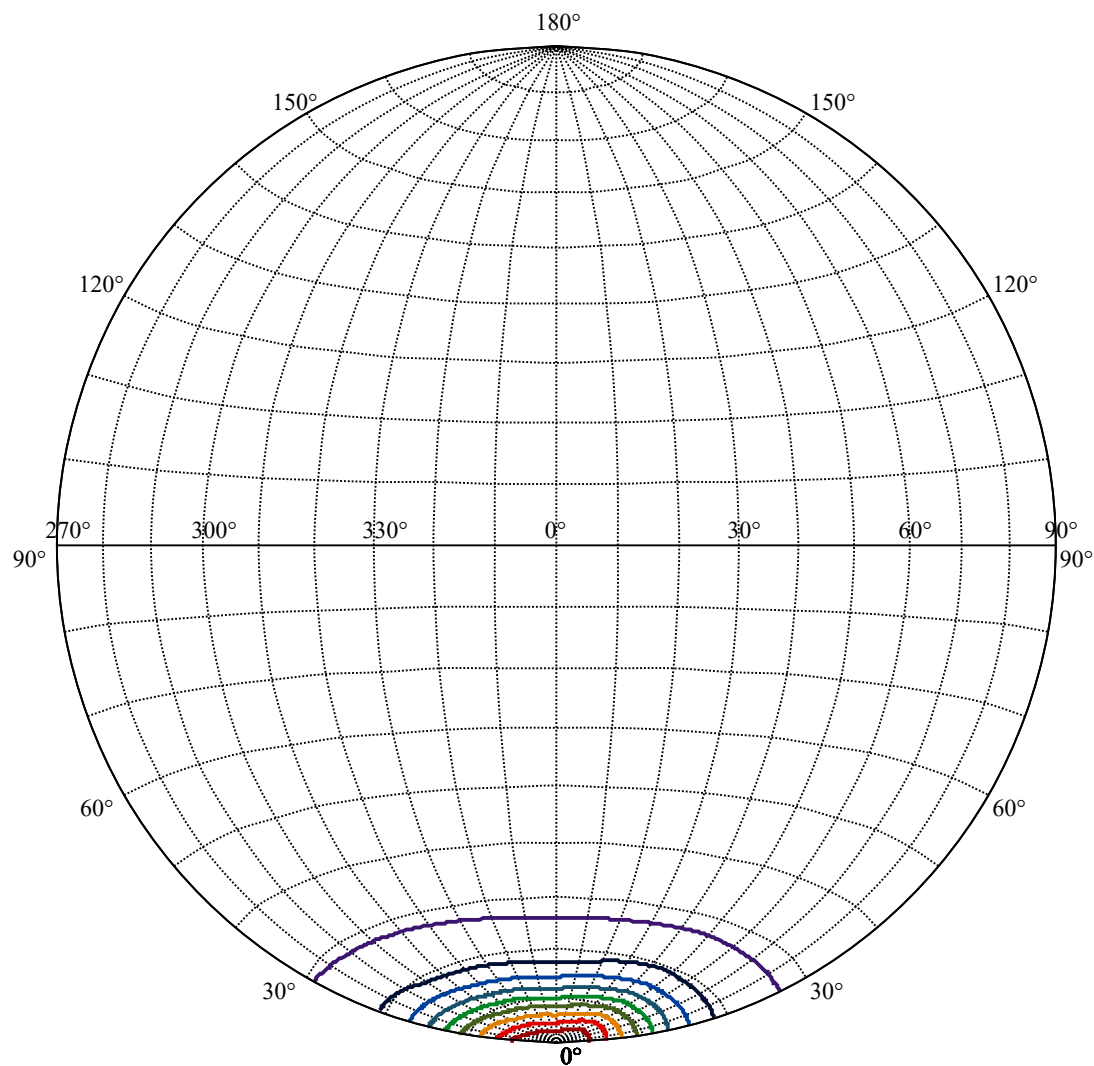
0-10	431.98
10-20	577.11
20-30	335.63
30-40	107.53
40-50	9.57
50-60	5.89
60-70	3.16
70-80	1.51
80-90	0.75
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C180 plane 24.77





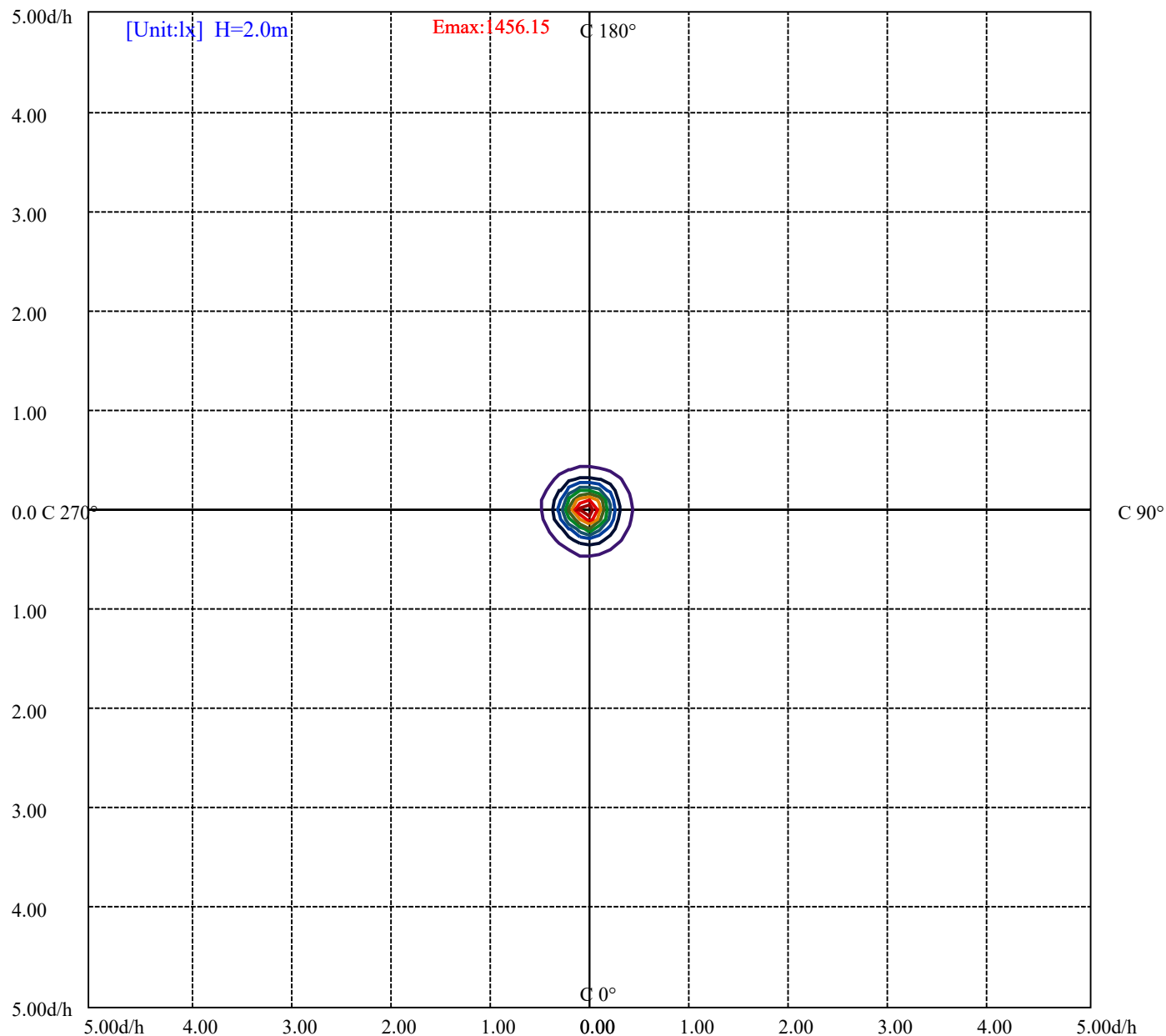
House

[Unit:cd]

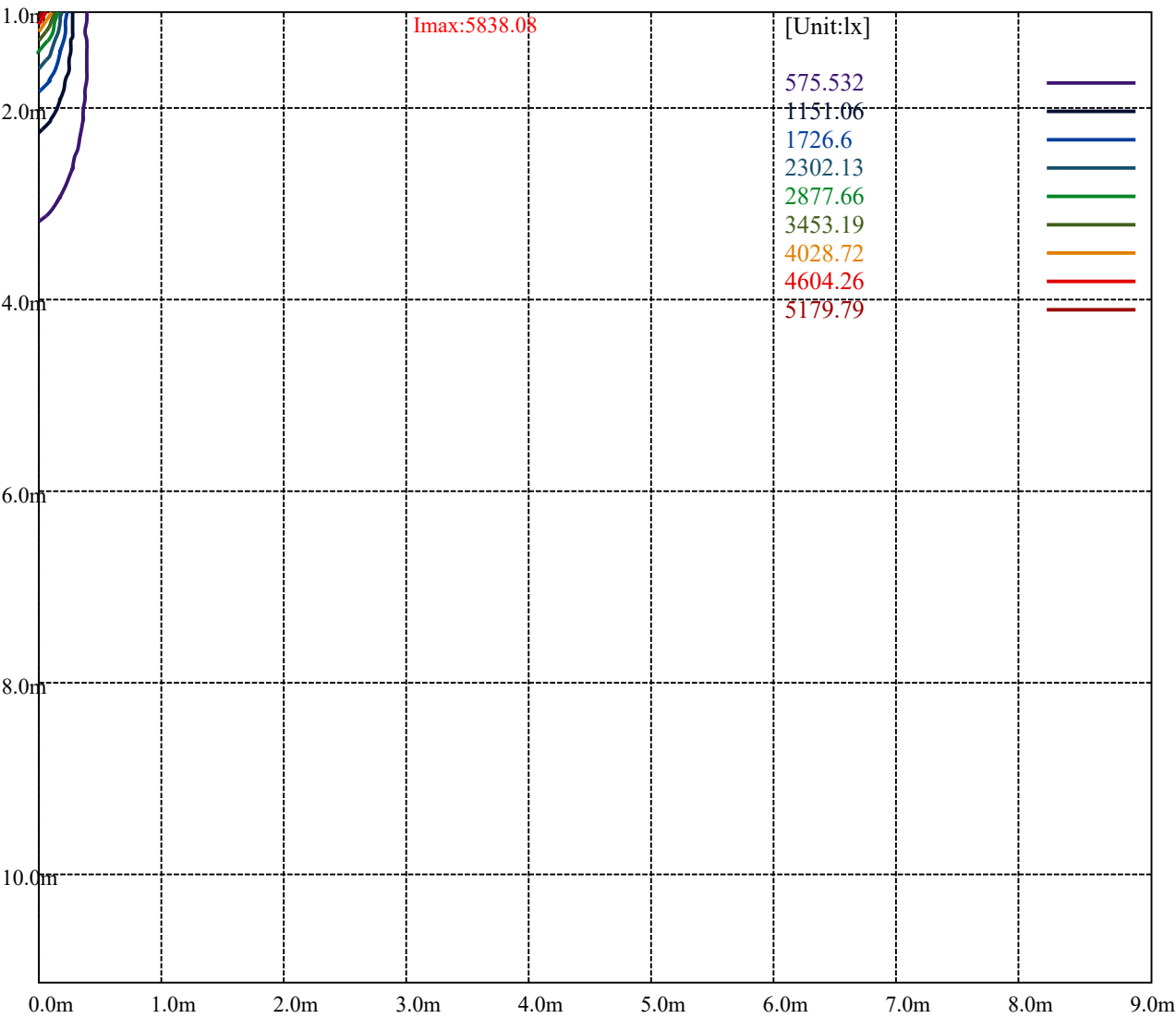
Road

Imax:5838.08

(10%Imax)	584.058	—
(20%Imax)	1168.12	—
(30%Imax)	1752.18	—
(40%Imax)	2336.23	—
(50%Imax)	2920.29	—
(60%Imax)	3504.35	—
(70%Imax)	4088.41	—
(80%Imax)	4672.47	—
(90%Imax)	5256.53	—



(10%Emax)	145.6147	
(20%Emax)	291.23	
(30%Emax)	436.845	
(40%Emax)	582.46	
(50%Emax)	728.075	
(60%Emax)	873.6875	
(70%Emax)	1019.302	
(80%Emax)	1164.917	
(90%Emax)	1310.532	



Luminance Table

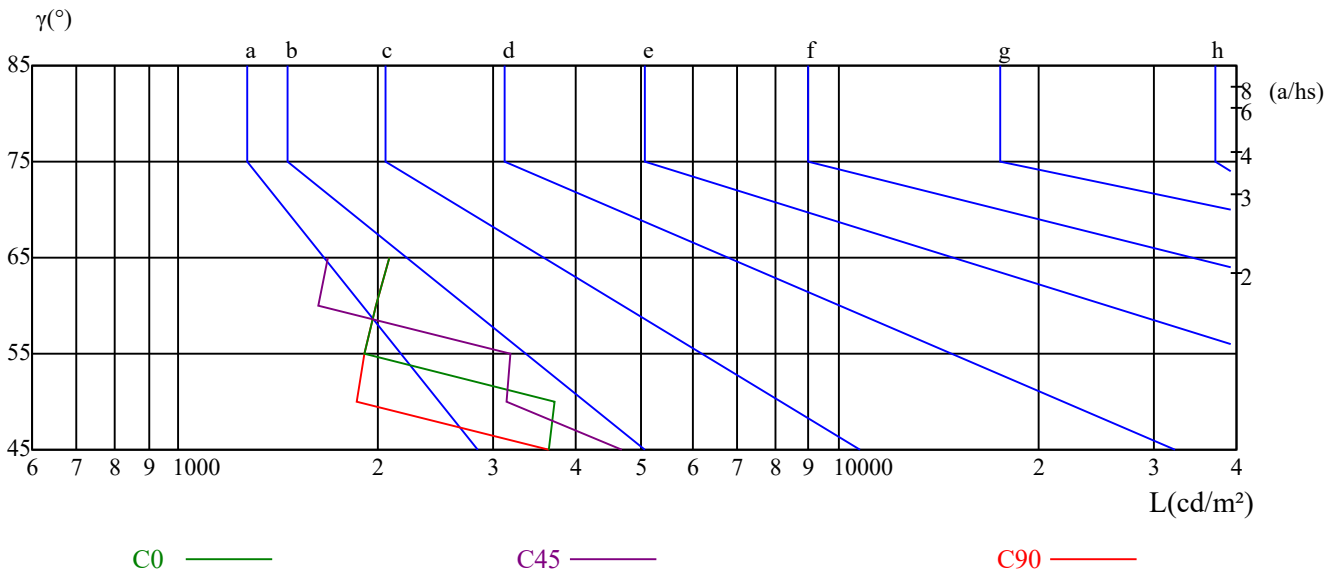
γ	45	50	55	60	65	70	75	80	85
C0	3632	3712	1913	1989	2088	0	0	0	0
C45	4678	3140	3186	1629	1680	0	0	0	0
C90	3632	1856	1913	1989	2088	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
5044	5044	3783	0	0	0	0	0	0

Glare Table

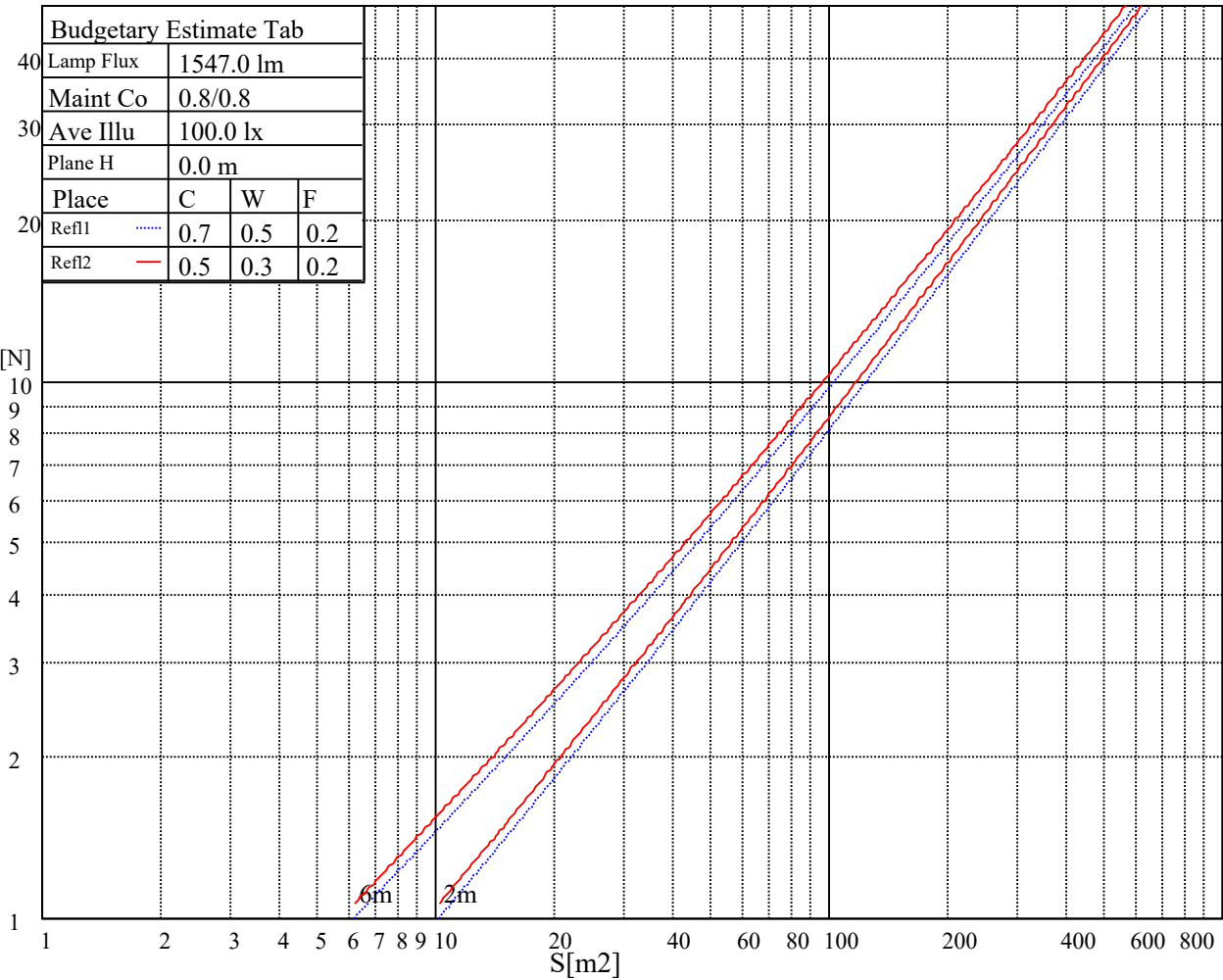
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

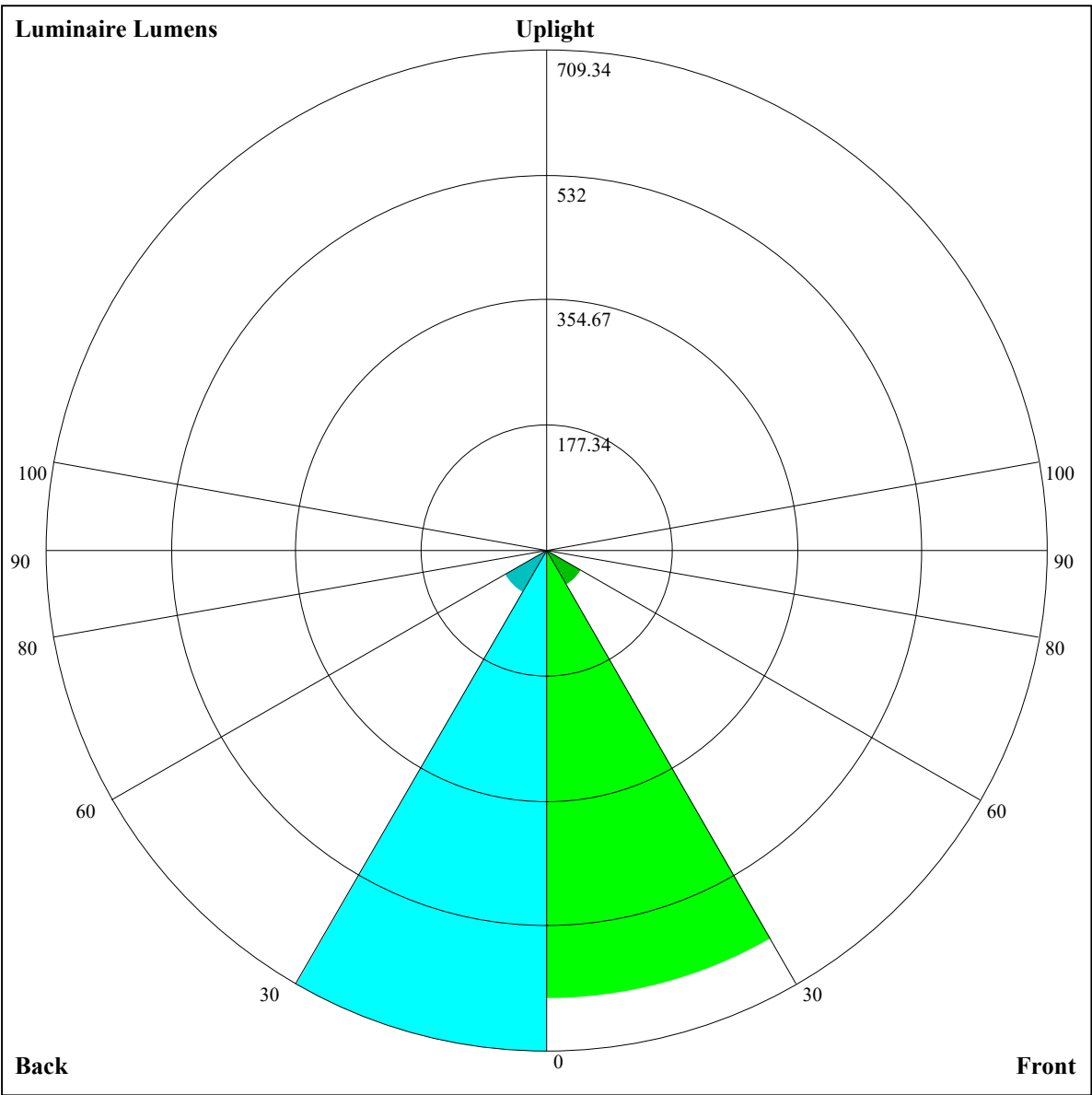


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	11.07	11.97	11.44	12.28	12.59	11.78	12.67	12.14	12.99	13.30
	3H	10.91	11.71	11.30	12.05	12.39	11.61	12.41	12.00	12.74	13.09
	4H	10.83	11.56	11.23	11.92	12.29	11.52	12.25	11.92	12.61	12.98
	6H	10.76	11.43	11.18	11.81	12.21	11.44	12.11	11.86	12.49	12.89
	8H	10.69	11.33	11.12	11.72	12.13	11.37	12.01	11.80	12.40	12.81
	12H	10.63	11.23	11.06	11.63	12.05	11.31	11.91	11.74	12.31	12.73
4H	2H	10.82	11.55	11.22	11.90	12.27	11.51	12.24	11.91	12.60	12.97
	3H	10.64	11.25	11.07	11.65	12.07	11.32	11.93	11.74	12.33	12.75
	4H	10.60	11.13	11.04	11.55	12.00	11.27	11.79	11.71	12.22	12.67
	6H	10.49	10.96	10.97	11.41	11.87	11.15	11.62	11.63	12.07	12.52
	8H	10.45	10.88	10.94	11.34	11.82	11.10	11.53	11.59	12.00	12.47
	12H	10.42	10.81	10.91	11.27	11.79	11.07	11.46	11.56	11.92	12.44
8H	4H	10.41	10.84	10.90	11.30	11.78	11.08	11.51	11.56	11.97	12.44
	6H	10.32	10.67	10.82	11.15	11.66	10.96	11.31	11.47	11.79	12.31
	8H	10.33	10.62	10.87	11.15	11.65	10.97	11.26	11.51	11.79	12.28
	12H	10.31	10.53	10.86	11.05	11.57	10.94	11.16	11.49	11.68	12.20
12H	4H	10.36	10.76	10.85	11.21	11.73	11.02	11.42	11.52	11.87	12.40
	6H	10.31	10.60	10.84	11.12	11.62	10.95	11.24	11.49	11.77	12.27
	8H	10.29	10.51	10.84	11.03	11.55	10.93	11.14	11.47	11.66	12.19
Variation with the observer position at spacings:											
S = 1.0H		6.5/-7.9					6.3/-6.6				
S = 1.5H		9.3/-8.3					9.0/-7.5				
S = 2.0H		11.2/-9.4					11.0/-8.6				
Standard tables:		BK0					BK0				
Uncorrected UGR		-7.3					-7.9				

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	1.03	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94	0.94	0.93	0.91
2	1.01	0.98	0.96	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.92	0.91	0.92	0.90	0.89	0.88
3	0.97	0.93	0.90	0.95	0.92	0.89	0.93	0.90	0.88	0.91	0.88	0.87	0.89	0.87	0.85	0.84
4	0.92	0.88	0.85	0.91	0.88	0.85	0.89	0.86	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.81
5	0.88	0.84	0.81	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.79	0.83	0.81	0.79	0.78
6	0.85	0.81	0.77	0.84	0.80	0.77	0.83	0.79	0.77	0.82	0.79	0.76	0.81	0.78	0.76	0.75
7	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.72
8	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.76	0.73	0.70	0.69
9	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.67
10	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65



Luminaire Lumens:

FL=636.18,FM=56.06,FH=2.41,FVH=0.39

BL=709.34,BM=69.09,BH=2.23,BVH=0.4

UL=0,UH=0

BUG Rating:B2-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	5752.82	5600.41	5406.43	5159.16	4852.21	4528.74	4195.15	3851.43	3535.95
45.0	5822.63	5789.05	5678.21	5540.19	5330.23	5054.18	4812.78	4402.45	4133.87
90.0	5813.57	5729.37	5602.00	5430.41	5198.07	4910.83	4581.50	4246.31	3918.57
135.0	5804.51	5831.15	5802.38	5704.85	5553.51	5360.60	5114.93	4838.89	4517.02
180.0	5752.82	5828.49	5838.08	5784.26	5669.68	5510.88	5386.71	5024.87	4839.96
225.0	5822.63	5795.45	5714.45	5561.50	5351.01	5097.88	4787.20	4449.87	4140.26
270.0	5813.57	5819.96	5772.53	5661.16	5486.90	5354.74	4959.33	4655.04	4465.33
315.0	5804.51	5720.31	5571.10	5360.60	5093.62	4780.27	4449.34	4115.75	3861.55
360.0	5752.82	5600.41	5406.43	5159.16	4852.21	4528.74	4195.15	3851.43	3535.95
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3220.47	2907.66	2604.44	2322.54	2055.02	1861.05	1606.85	1459.77	1304.17
45.0	3790.68	3457.62	3136.28	2822.40	2521.84	2231.95	1975.09	1749.67	1544.50
90.0	3590.31	3264.17	2936.97	2739.80	2323.07	2155.74	1894.62	1593.00	1476.83
135.0	4171.70	3832.78	3511.97	3327.59	3005.72	2549.02	2369.97	2087.53	1839.20
180.0	4531.41	4073.65	3882.87	3563.13	3249.25	2929.51	2616.17	2317.74	2045.43
225.0	3835.44	3537.55	3231.13	2911.39	2598.05	2413.66	2040.10	1788.57	1654.81
270.0	4026.75	3832.24	3524.76	3209.82	2896.47	2587.92	2293.23	2024.65	1784.84
315.0	3481.60	3232.20	2913.52	2604.44	2315.61	2054.49	1817.35	1622.31	1448.05
360.0	3220.47	2907.66	2604.44	2322.54	2055.02	1861.05	1606.85	1459.77	1304.17
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1032.60	1032.60	973.40	887.54	811.39	747.45	695.22	648.97	596.69
45.0	1373.98	1216.24	1086.74	979.10	883.71	797.91	722.77	663.09	616.73
90.0	1298.84	1006.12	1006.12	911.31	828.39	760.18	701.35	653.34	610.65
135.0	1622.31	1430.46	1267.40	1125.11	1010.01	905.02	817.63	749.95	692.40
180.0	1802.43	1590.87	1401.69	1237.55	1101.13	992.95	899.16	816.56	754.75
225.0	1466.17	1300.44	1043.95	1043.95	933.80	843.31	763.70	702.74	648.17
270.0	1585.00	1417.67	1274.32	1138.43	1024.93	930.60	846.41	772.86	711.58
315.0	1291.91	1010.01	1010.01	957.78	906.41	799.94	739.67	710.36	647.74
360.0	1032.60	1032.60	973.40	887.54	811.39	747.45	695.22	648.97	596.69
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	532.21	464.21	423.12	326.08	283.29	218.12	158.70	104.82	60.70
45.0	586.88	508.01	470.71	409.96	346.01	285.26	285.26	167.70	115.96
90.0	560.50	500.07	461.12	363.33	297.94	258.30	196.11	137.86	87.29
135.0	647.63	606.07	552.78	491.49	452.59	355.60	314.04	286.86	214.12
180.0	720.64	655.09	614.06	584.22	523.47	459.52	389.71	322.03	268.74
225.0	607.99	565.94	520.22	445.93	395.57	331.62	252.97	204.26	147.72
270.0	663.09	623.65	587.42	516.01	464.32	397.17	327.36	285.26	285.26
315.0	619.92	563.86	497.46	427.01	355.55	285.05	219.82	157.31	104.40
360.0	532.21	464.21	423.12	326.08	283.29	218.12	158.70	104.82	60.70
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	34.69	24.67	21.85	19.24	17.05	14.87	13.91	12.95	12.20
45.0	75.99	44.82	30.22	26.22	22.86	19.98	17.91	15.99	15.03
90.0	48.76	27.60	22.17	18.86	15.72	13.38	11.03	9.97	9.06
135.0	113.99	68.16	37.09	25.58	22.28	19.24	16.04	13.27	11.19
180.0	268.74	117.50	70.77	38.58	25.47	21.64	17.80	14.76	11.40
225.0	96.56	56.54	35.01	26.65	22.38	18.86	15.40	13.06	11.83
270.0	126.78	76.36	43.86	26.96	22.12	18.92	15.77	14.07	11.51
315.0	61.87	38.74	29.58	27.50	25.21	22.75	20.30	19.08	18.07
360.0	34.69	24.67	21.85	19.24	17.05	14.87	13.91	12.95	12.20

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	11.56	10.92	10.34	9.86	9.49	9.11	8.63	8.47	8.21
45.0	14.12	12.74	11.78	10.39	9.81	9.38	9.11	8.74	8.79
90.0	8.26	7.57	7.09	6.61	6.23	5.92	5.81	5.86	5.92
135.0	10.44	9.43	8.74	8.31	8.05	7.94	7.94	7.83	7.94
180.0	9.97	9.01	8.31	6.93	6.66	6.08	5.54	5.06	4.74
225.0	10.60	9.22	7.62	6.45	5.86	5.76	5.22	4.90	4.74
270.0	10.39	9.81	8.79	8.05	7.35	6.71	6.13	5.76	5.54
315.0	17.05	16.25	15.29	14.65	13.80	13.06	12.31	11.67	10.98
360.0	11.56	10.92	10.34	9.86	9.49	9.11	8.63	8.47	8.21
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	7.78	7.57	7.03	6.66	6.23	5.76	5.22	4.85	4.48
45.0	8.95	8.85	8.53	8.21	7.57	7.30	6.55	6.13	5.70
90.0	5.86	5.70	5.86	5.92	5.86	5.65	5.28	4.85	4.32
135.0	8.10	8.21	7.99	7.83	7.46	6.93	6.34	5.86	5.38
180.0	4.48	4.21	4.00	3.84	3.57	3.41	3.36	3.25	3.09
225.0	4.48	4.37	4.10	4.00	3.78	3.62	3.57	3.41	3.14
270.0	5.33	5.17	4.85	4.69	4.48	4.26	4.10	3.94	3.62
315.0	10.23	9.65	8.79	8.05	7.35	6.61	5.97	5.22	4.69
360.0	7.78	7.57	7.03	6.66	6.23	5.76	5.22	4.85	4.48
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	4.05	3.46	2.98	2.56	2.29	2.03	1.87	1.81	1.76
45.0	5.17	4.58	3.84	3.52	2.88	2.61	2.29	2.13	2.03
90.0	3.89	3.52	3.20	2.72	2.24	2.03	1.87	1.76	1.65
135.0	4.80	4.32	3.73	3.25	2.77	2.34	2.03	1.87	1.76
180.0	2.93	2.82	2.72	2.40	2.24	2.13	1.92	1.87	1.76
225.0	2.82	2.61	2.45	2.13	1.97	1.76	1.65	1.55	1.60
270.0	3.36	3.14	2.98	2.66	2.40	2.08	1.81	1.71	1.55
315.0	4.00	3.52	3.20	2.61	2.40	2.08	1.76	1.65	1.60
360.0	4.05	3.46	2.98	2.56	2.29	2.03	1.87	1.81	1.76
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	1.65	1.49	1.49	1.39	1.28	1.28	1.17	1.07	1.01
45.0	1.97	1.81	1.76	1.71	1.60	1.49	1.49	1.39	1.33
90.0	1.60	1.49	1.39	1.33	1.28	1.17	1.07	1.01	0.96
135.0	1.76	1.71	1.55	1.55	1.44	1.33	1.23	1.12	1.12
180.0	1.71	1.65	1.60	1.49	1.44	1.33	1.33	1.17	1.12
225.0	1.44	1.39	1.39	1.39	1.33	1.28	1.28	1.28	1.17
270.0	1.55	1.49	1.39	1.33	1.23	1.17	1.12	1.07	1.07
315.0	1.60	1.49	1.44	1.39	1.23	1.12	1.01	1.01	0.91
360.0	1.65	1.49	1.49	1.39	1.28	1.28	1.17	1.07	1.01
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.01	0.91	0.85	0.80	0.75	0.69	0.59	0.53	0.48
45.0	1.17	1.17	0.96	0.91	0.80	0.69	0.59	0.48	0.43
90.0	0.96	0.85	0.80	0.80	0.69	0.69	0.64	0.59	0.53
135.0	1.01	0.96	0.91	0.80	0.80	0.75	0.59	0.64	0.59
180.0	1.07	0.96	0.96	0.85	0.80	0.69	0.69	0.59	0.53
225.0	1.07	1.01	0.85	0.80	0.64	0.53	0.43	0.32	0.21
270.0	0.96	0.91	0.85	0.75	0.69	0.59	0.59	0.53	0.43
315.0	0.80	0.80	0.75	0.69	0.59	0.59	0.53	0.43	0.48
360.0	1.01	0.91	0.85	0.80	0.75	0.69	0.59	0.53	0.48

Intensity data(cd)

C/ γ (°)	90.0
0.0	0.43
45.0	0.32
90.0	0.43
135.0	0.59
180.0	0.43
225.0	0.21
270.0	0.32
315.0	0.32
360.0	0.43