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NT

Client: NT

LumCAT: 1-1600-L

Luminaire: 92.70.410.00 LED HOLDER

Report No: 20250314-B004

Ballast type: AC

Test No: 20250314-C004

Voltage(V): 34.800

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

Lamp flux(lm): 1561.2 Power (W): 10.470

Number of Lamps: 1 PF: 0.000

Length(mm): 45 Width(mm): 45

Phm Type: C Height(mm): 32

Photometric Results

Lumens(lm): 1485.54, Efficiency(%): 95.15% , Luminous Efficacy(lm/W): 141.89

Central intensity(cd): 2193.576, Maximum intensity(cd): 2221.820

Angle of maximum intensity: C=135.0 γ =3.0

Beam Angle(50%Imax): [C0/180]Total=53.0

[C90/270]Total=53.0

Field angle(10%Imax): [C0/180]Total=69.8

[C90/270]Total=69.8

Maximum s/h(1/2): C0_180=0.94 C90_270=0.89

Maximum s/h(1/4): C0_180=0.85 C90_270=0.80

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 95.00%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.988%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/3/14
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	2201.969	0.000	0	0.00%	0.00%
1.0	2198.705	2.106	2.106	0.13%	0.14%
2.0	2191.511	6.301	8.407	0.40%	0.57%
3.0	2183.385	10.463	18.87	0.67%	1.27%
4.0	2170.129	14.573	33.443	0.93%	2.25%
5.0	2153.142	18.598	52.041	1.19%	3.50%
6.0	2133.891	22.530	74.571	1.44%	5.02%
7.0	2116.106	26.380	100.95	1.69%	6.80%
8.0	2099.253	30.169	131.119	1.93%	8.83%
9.0	2082.533	33.891	165.01	2.17%	11.11%
10.0	2064.681	37.531	202.541	2.40%	13.63%
11.0	2042.899	41.043	243.584	2.63%	16.40%
12.0	2017.786	44.389	287.973	2.84%	19.39%
13.0	1985.945	47.514	335.487	3.04%	22.58%
14.0	1953.571	50.425	385.913	3.23%	25.98%
15.0	1917.134	53.139	439.052	3.40%	29.56%
16.0	1879.165	55.626	494.678	3.56%	33.30%
17.0	1838.532	57.895	552.572	3.71%	37.20%
18.0	1795.567	59.918	612.491	3.84%	41.23%
19.0	1749.138	61.671	674.161	3.95%	45.38%
20.0	1691.518	62.974	737.135	4.03%	49.62%
21.0	1623.973	63.664	800.799	4.08%	53.91%
22.0	1558.493	63.953	864.752	4.10%	58.21%
23.0	1470.431	63.555	928.307	4.07%	62.49%
24.0	1356.584	61.809	990.116	3.96%	66.65%
25.0	1281.511	59.985	1050.1	3.84%	70.69%
26.0	1189.166	58.321	1108.421	3.74%	74.61%
27.0	1076.318	55.426	1163.847	3.55%	78.35%
28.0	977.285	51.993	1215.839	3.33%	81.85%
29.0	857.822	48.012	1263.851	3.08%	85.08%
30.0	731.505	42.912	1306.763	2.75%	87.97%
31.0	610.137	37.336	1344.099	2.39%	90.48%
32.0	493.232	31.610	1375.709	2.02%	92.61%
33.0	385.820	25.897	1401.606	1.66%	94.35%
34.0	298.591	20.712	1422.318	1.33%	95.74%
35.0	222.686	16.189	1438.507	1.04%	96.83%
36.0	164.626	12.332	1450.839	0.79%	97.66%
37.0	121.022	9.316	1460.155	0.60%	98.29%

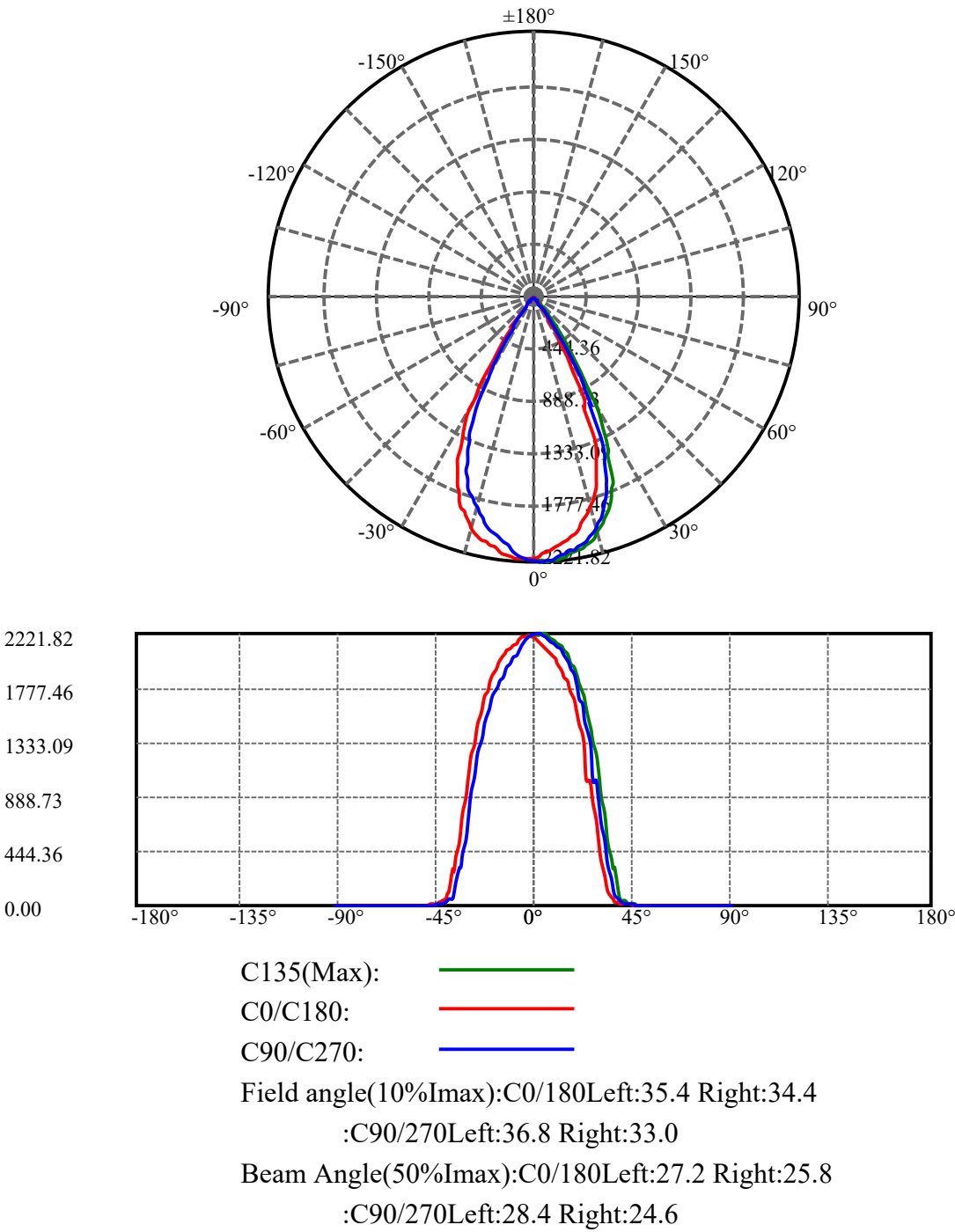
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	62.309	6.119	1466.275	0.39%	98.70%
39.0	42.013	3.561	1469.836	0.23%	98.94%
40.0	29.296	2.487	1472.323	0.16%	99.11%
41.0	21.256	1.800	1474.123	0.12%	99.23%
42.0	15.807	1.347	1475.469	0.09%	99.32%
43.0	12.143	1.035	1476.505	0.07%	99.39%
44.0	9.286	0.809	1477.313	0.05%	99.45%
45.0	7.714	0.653	1477.967	0.04%	99.49%
46.0	6.635	0.561	1478.528	0.04%	99.53%
47.0	5.875	0.498	1479.025	0.03%	99.56%
48.0	5.296	0.452	1479.477	0.03%	99.59%
49.0	4.809	0.415	1479.892	0.03%	99.62%
50.0	4.423	0.385	1480.277	0.02%	99.65%
51.0	4.043	0.358	1480.635	0.02%	99.67%
52.0	3.737	0.334	1480.969	0.02%	99.69%
53.0	3.424	0.311	1481.281	0.02%	99.71%
54.0	3.157	0.290	1481.571	0.02%	99.73%
55.0	2.904	0.271	1481.841	0.02%	99.75%
56.0	2.691	0.253	1482.094	0.02%	99.77%
57.0	2.485	0.237	1482.331	0.02%	99.78%
58.0	2.298	0.221	1482.552	0.01%	99.80%
59.0	2.132	0.207	1482.759	0.01%	99.81%
60.0	2.018	0.196	1482.955	0.01%	99.83%
61.0	1.865	0.185	1483.14	0.01%	99.84%
62.0	1.732	0.173	1483.314	0.01%	99.85%
63.0	1.625	0.163	1483.477	0.01%	99.86%
64.0	1.512	0.154	1483.631	0.01%	99.87%
65.0	1.406	0.144	1483.775	0.01%	99.88%
66.0	1.332	0.137	1483.912	0.01%	99.89%
67.0	1.226	0.129	1484.04	0.01%	99.90%
68.0	1.159	0.121	1484.161	0.01%	99.91%
69.0	1.086	0.115	1484.276	0.01%	99.92%
70.0	1.006	0.107	1484.383	0.01%	99.92%
71.0	0.946	0.101	1484.484	0.01%	99.93%
72.0	0.899	0.096	1484.58	0.01%	99.94%
73.0	0.846	0.091	1484.671	0.01%	99.94%
74.0	0.779	0.085	1484.757	0.01%	99.95%
75.0	0.739	0.080	1484.837	0.01%	99.95%

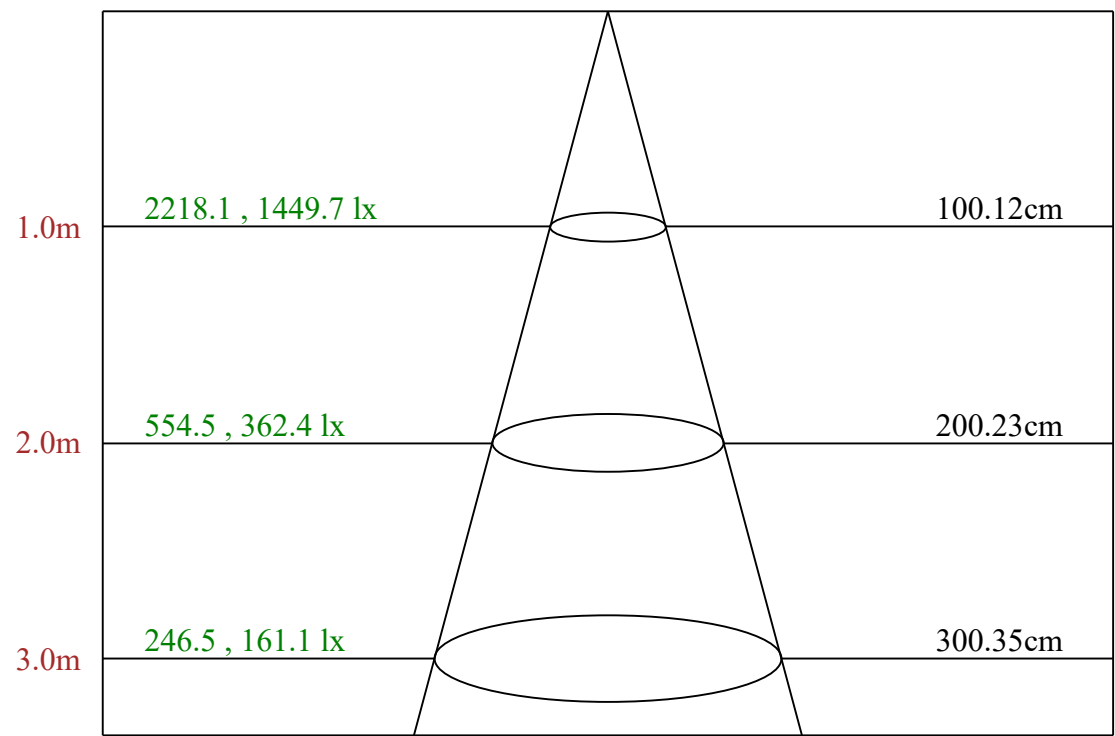
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.706	0.077	1484.914	0.00%	99.96%
77.0	0.673	0.074	1484.987	0.00%	99.96%
78.0	0.619	0.069	1485.056	0.00%	99.97%
79.0	0.586	0.065	1485.121	0.00%	99.97%
80.0	0.546	0.061	1485.182	0.00%	99.98%
81.0	0.506	0.057	1485.239	0.00%	99.98%
82.0	0.473	0.053	1485.292	0.00%	99.98%
83.0	0.420	0.049	1485.341	0.00%	99.99%
84.0	0.386	0.044	1485.385	0.00%	99.99%
85.0	0.326	0.039	1485.424	0.00%	99.99%
86.0	0.280	0.033	1485.457	0.00%	99.99%
87.0	0.226	0.028	1485.484	0.00%	100.00%
88.0	0.187	0.023	1485.507	0.00%	100.00%
89.0	0.120	0.017	1485.524	0.00%	100.00%
90.0	0.113	0.013	1485.537	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	1306.76	83.70%	87.97%
0-40	1472.32	94.31%	99.11%
0-60	1482.95	94.99%	99.83%
0-90	1485.52	95.15%	100.00%
0-120	1485.52	95.15%	100.00%
0-180	1485.54	95.15%	100.00%
60-90	2.57	0.16%	0.17%
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%
0-27.47	1188.43	76.12%	80.00%

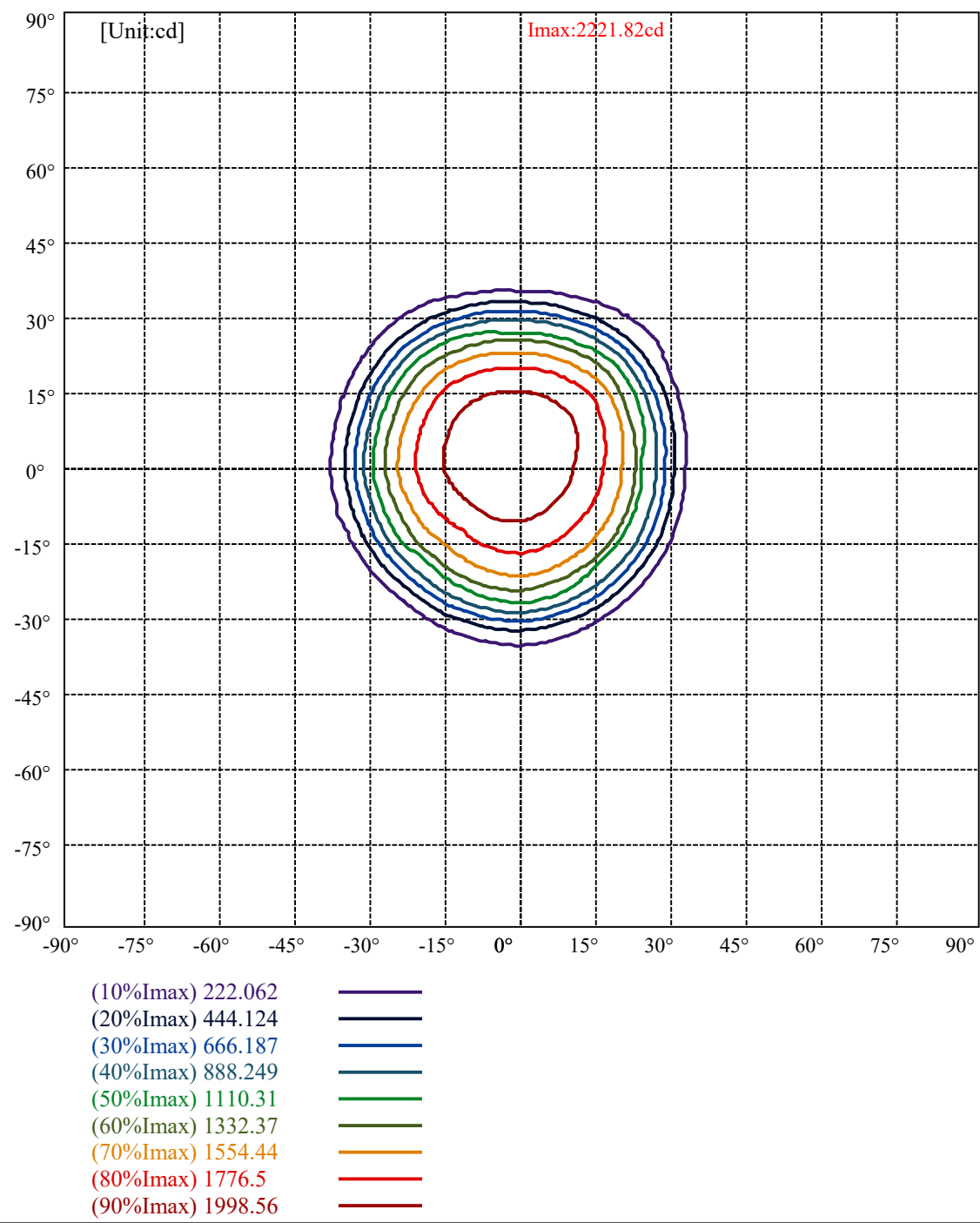
ZONAL LUMEN SUMMARY

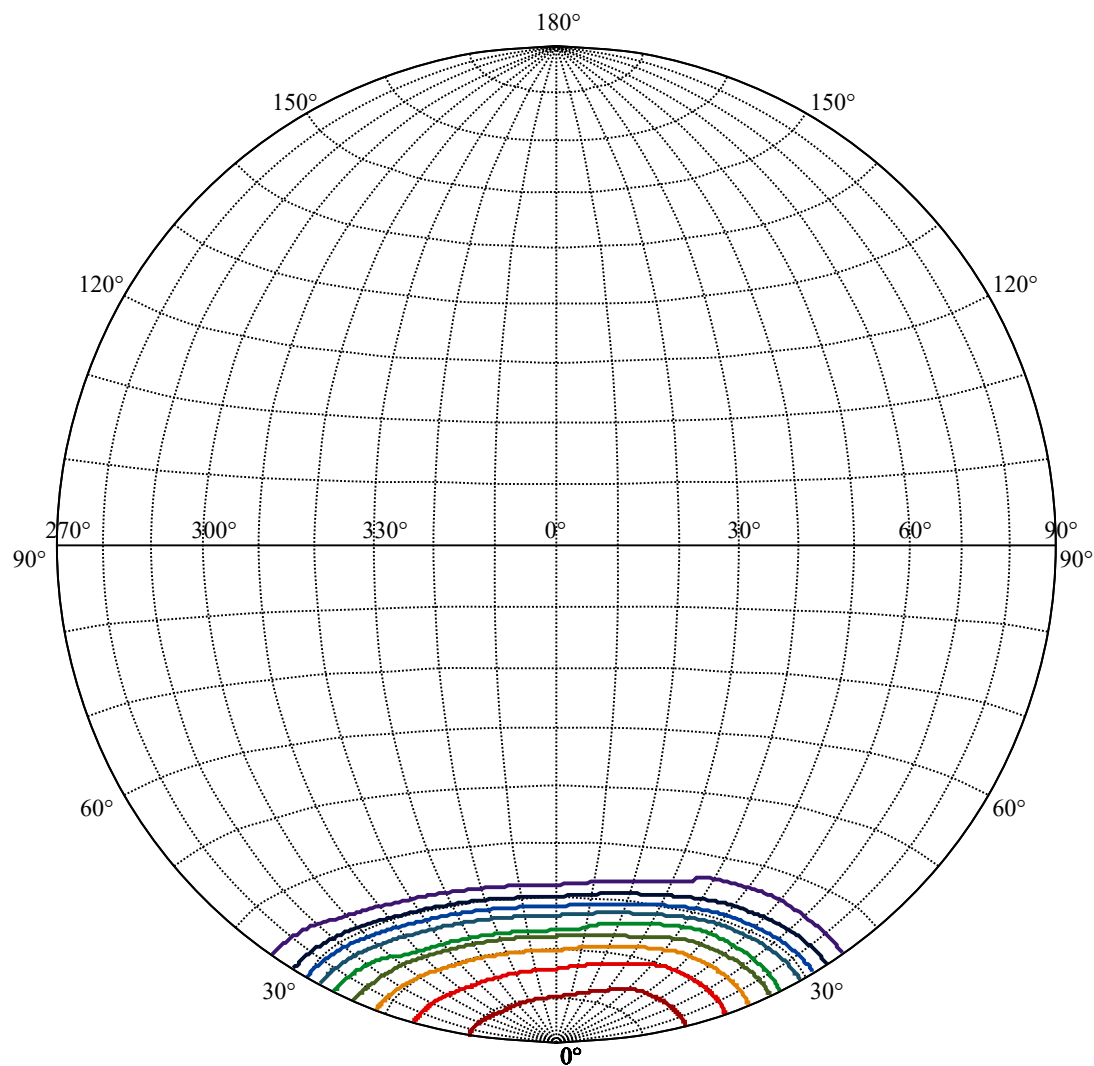
0-10	202.54
10-20	534.59
20-30	569.63
30-40	165.56
40-50	7.95
50-60	2.68
60-70	1.43
70-80	0.80
80-90	0.34
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C135 plane 53.18





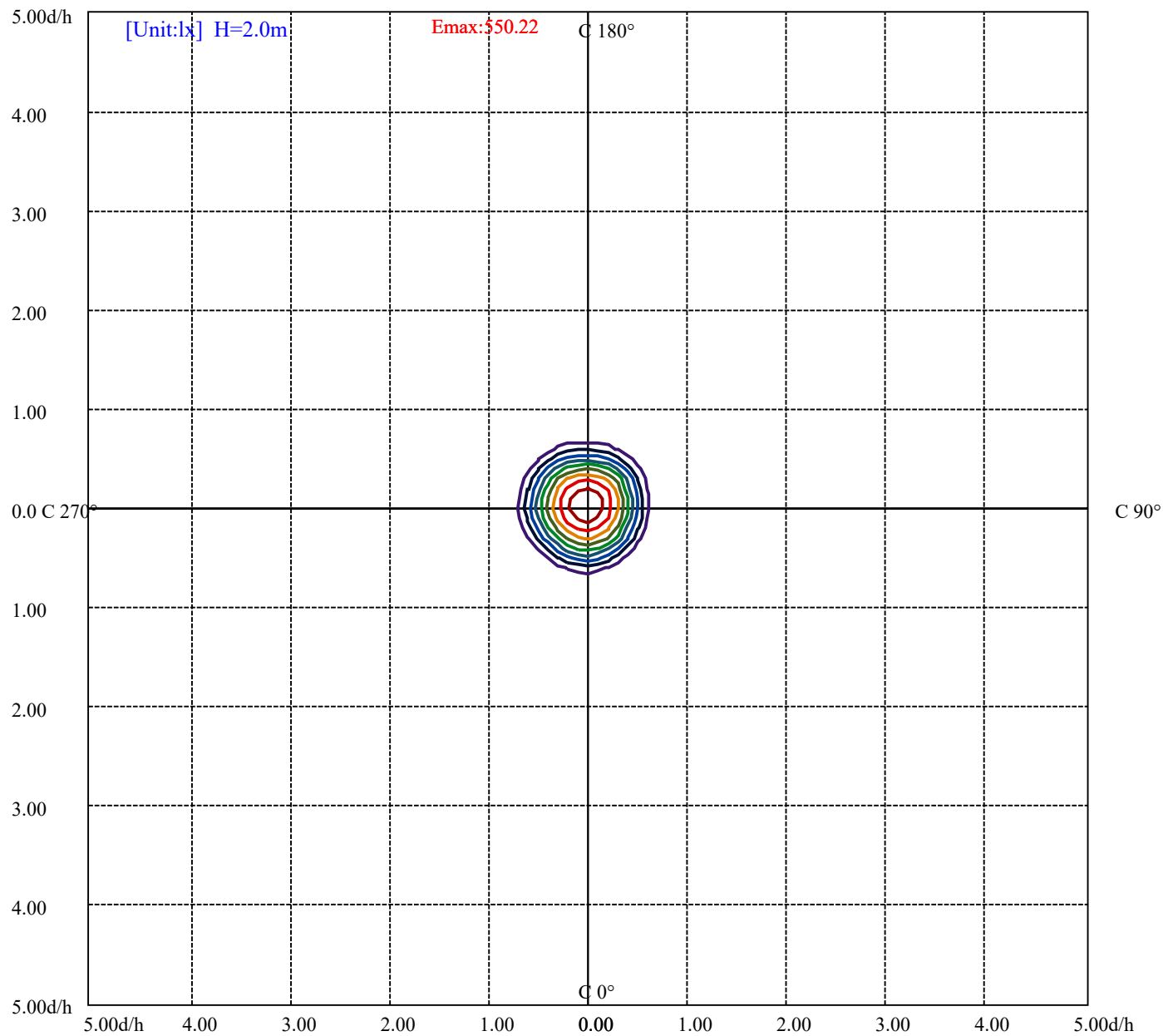
House

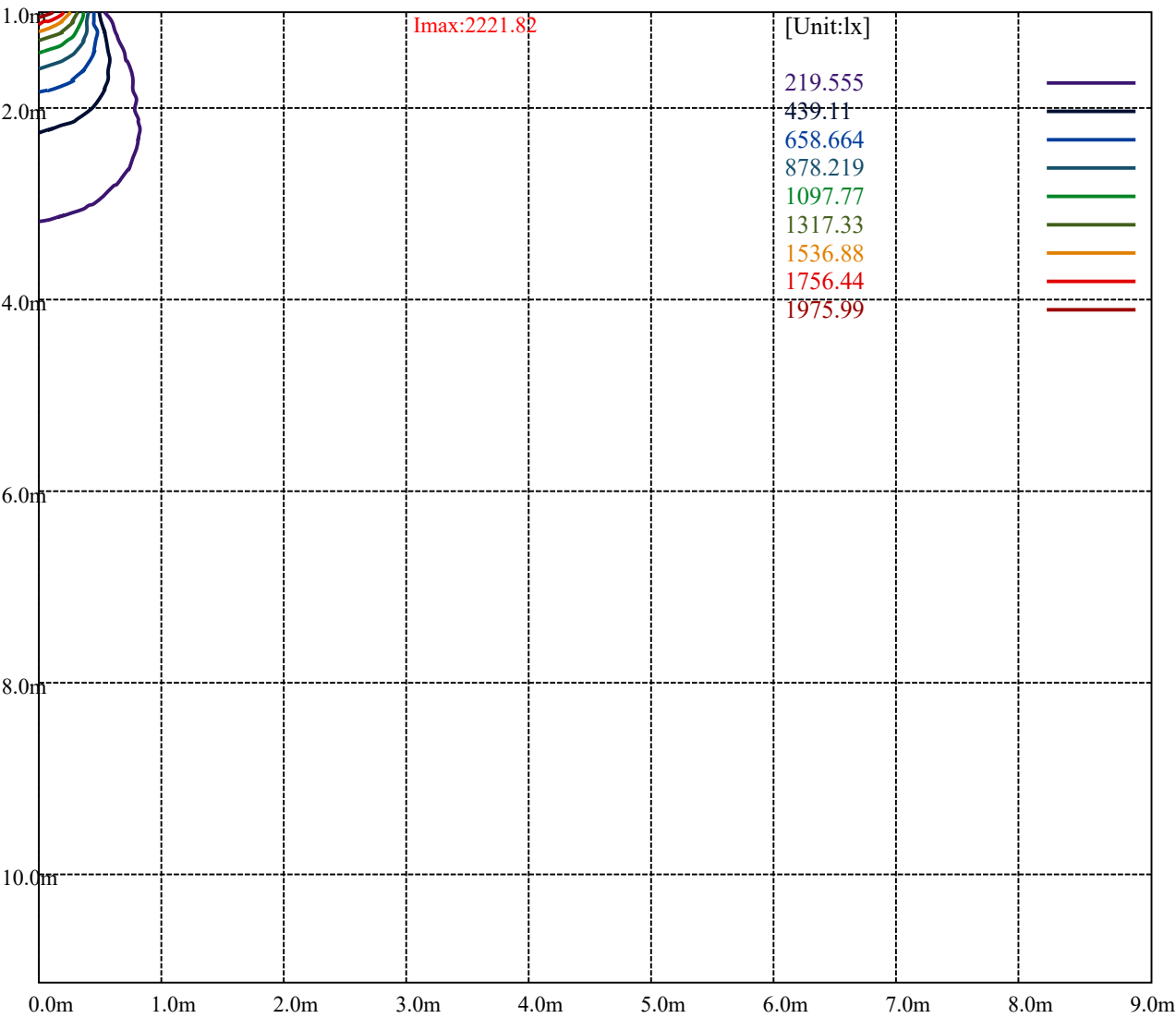
[Unit:cd]

Road

I_{max}:2221.82

(10%I _{max})	222.219	
(20%I _{max})	444.439	
(30%I _{max})	666.658	
(40%I _{max})	888.877	
(50%I _{max})	1111.1	
(60%I _{max})	1333.32	
(70%I _{max})	1555.54	
(80%I _{max})	1777.75	
(90%I _{max})	1999.97	





Luminance Table

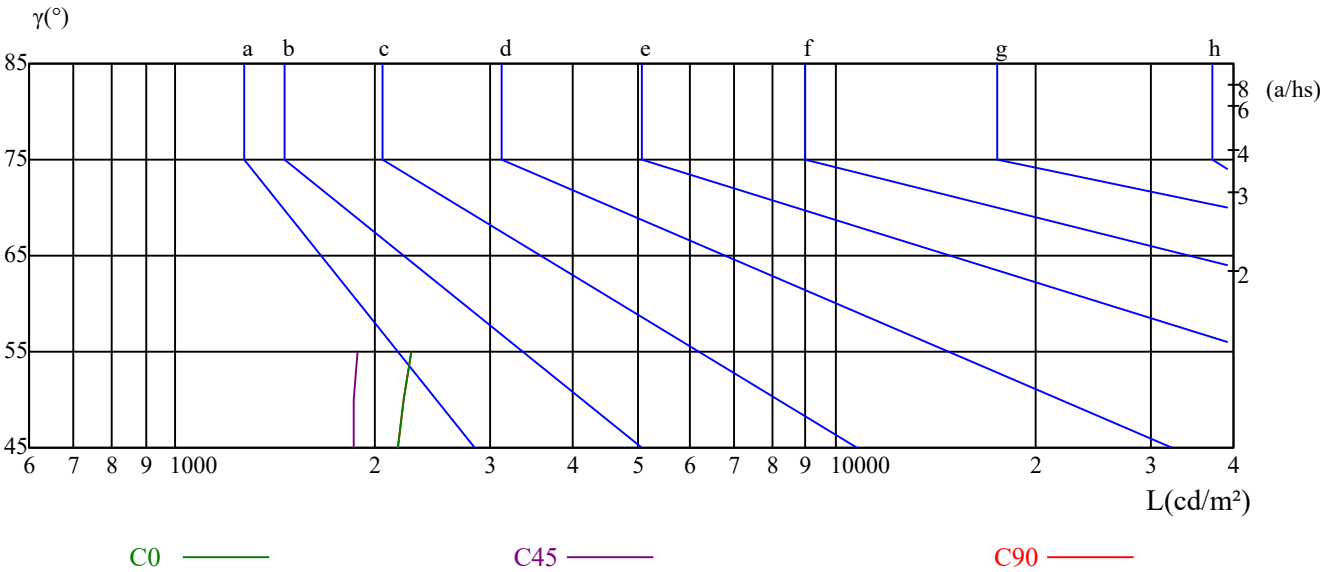
γ	45	50	55	60	65	70	75	80	85
C0	2175	2216	2276	0	0	0	0	0	0
C45	1856	1862	1883	0	0	0	0	0	0
C90	2175	2216	2276	0	0	0	0	0	0

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

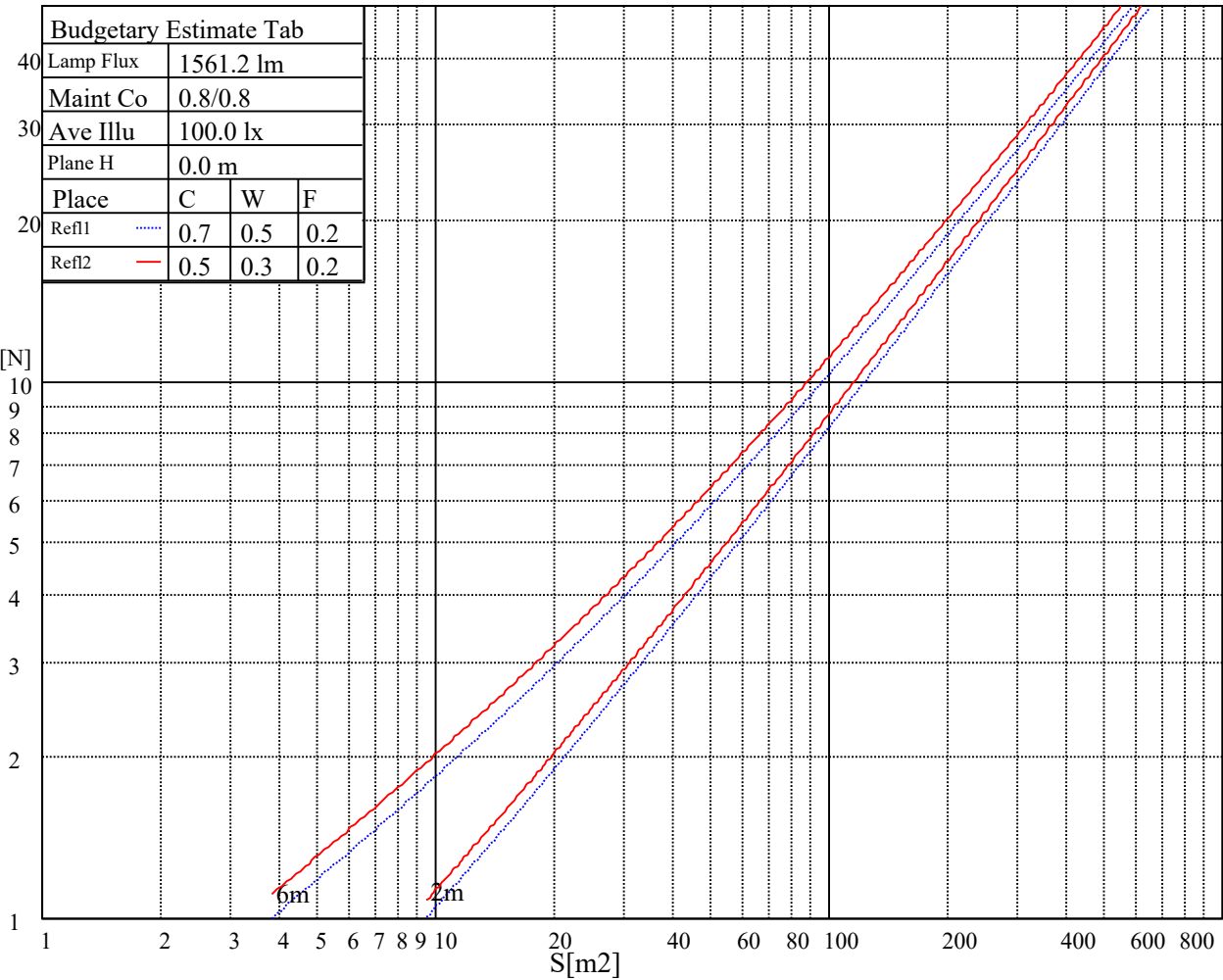
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

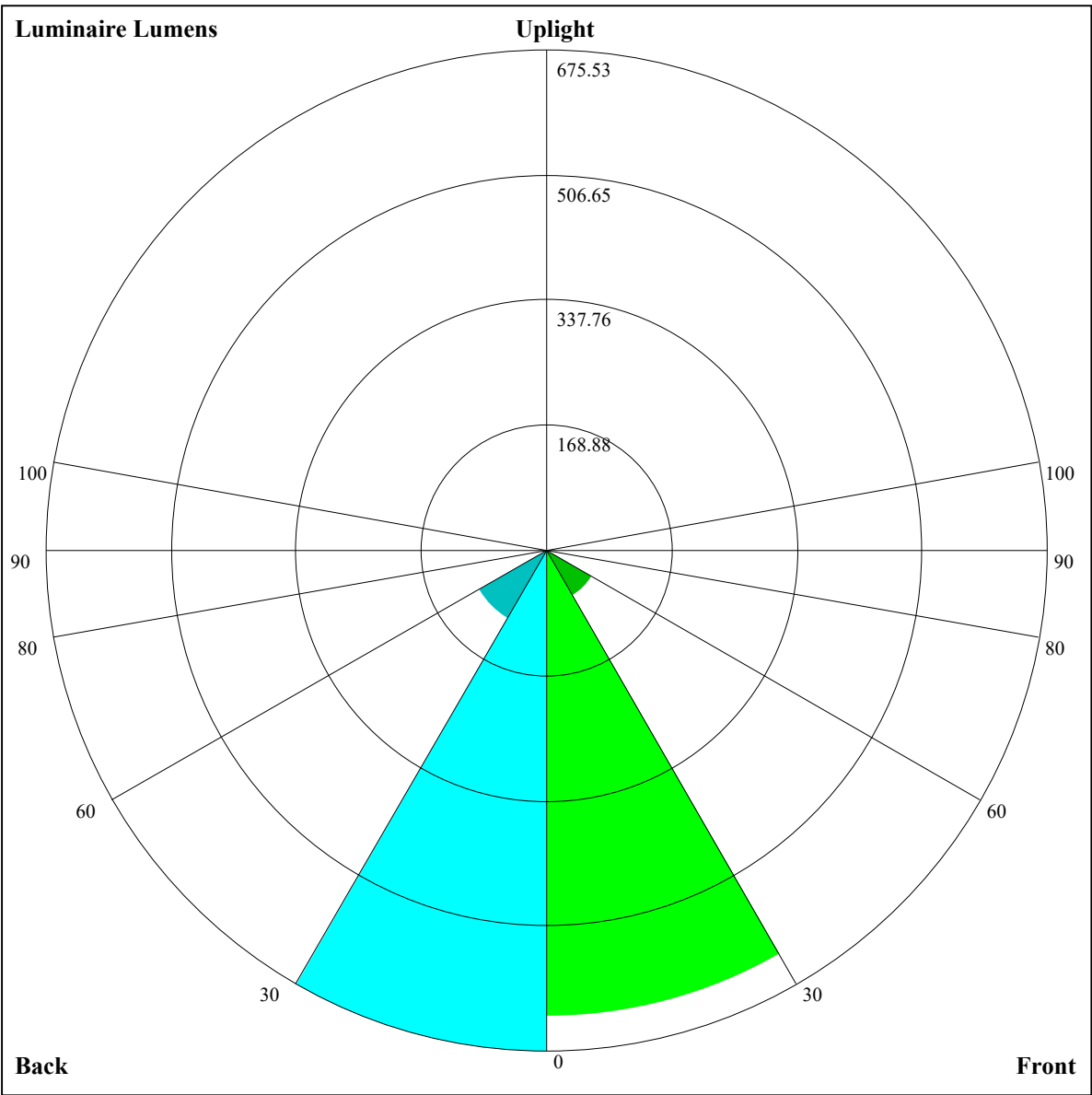


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	14.19	15.08	14.55	15.39	15.70	17.22	18.10	17.58	18.41	18.73
	3H	13.97	14.76	14.36	15.10	15.44	17.00	17.78	17.38	18.12	18.47
	4H	13.86	14.59	14.27	14.94	15.31	16.88	17.61	17.29	17.97	18.33
	6H	13.77	14.43	14.19	14.81	15.21	16.79	17.45	17.21	17.83	18.23
	8H	13.69	14.32	14.11	14.71	15.12	16.71	17.34	17.13	17.73	18.14
	12H	13.62	14.21	14.04	14.61	15.03	16.64	17.23	17.06	17.63	18.05
4H	2H	13.86	14.58	14.26	14.94	15.31	16.88	17.61	17.28	17.96	18.33
	3H	13.60	14.21	14.03	14.61	15.02	16.62	17.23	17.05	17.62	18.04
	4H	13.52	14.04	13.96	14.47	14.92	16.53	17.06	16.97	17.48	17.93
	6H	13.37	13.83	13.85	14.29	14.74	16.38	16.84	16.86	17.30	17.75
	8H	13.31	13.73	13.80	14.19	14.67	16.32	16.75	16.81	17.21	17.68
	12H	13.25	13.64	13.75	14.10	14.62	16.27	16.66	16.76	17.11	17.63
8H	4H	13.30	13.73	13.79	14.19	14.67	16.32	16.74	16.81	17.20	17.68
	6H	13.15	13.49	13.66	13.97	14.49	16.16	16.50	16.66	16.98	17.50
	8H	13.13	13.41	13.67	13.94	14.44	16.14	16.42	16.67	16.95	17.45
	12H	13.07	13.29	13.62	13.80	14.33	16.08	16.29	16.63	16.81	17.34
12H	4H	13.25	13.64	13.74	14.09	14.62	16.26	16.65	16.75	17.11	17.63
	6H	13.13	13.41	13.66	13.94	14.44	16.14	16.42	16.67	16.95	17.44
	8H	13.07	13.28	13.62	13.80	14.33	16.08	16.29	16.63	16.81	17.34
Variation with the observer position at spacings:											
S = 1.0H		6.5/-18.2					5.8/-15.5				
S = 1.5H		9.3/-18.4					8.6/-15.9				
S = 2.0H		11.3/-18.3					10.5/-15.9				
Standard tables:		BK0					BK0				
Uncorrected UGR		-2.0					-5.0				

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	1.13	1.13	1.13	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.06	1.04	1.02	1.04	1.02	1.00	1.00	0.99	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.90
2	1.00	0.96	0.93	0.98	0.95	0.92	0.95	0.93	0.90	0.92	0.90	0.89	0.90	0.88	0.87	0.85
3	0.94	0.90	0.86	0.93	0.89	0.86	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.81
4	0.89	0.84	0.81	0.88	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.82	0.80	0.77	0.76
5	0.84	0.79	0.76	0.83	0.79	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.73	0.72
6	0.80	0.75	0.71	0.79	0.74	0.71	0.78	0.74	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.68
7	0.76	0.71	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.65
8	0.72	0.67	0.64	0.72	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.61
9	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.58
10	0.65	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.56



Luminaire Lumens:

FL=629.04,FM=70.74,FH=1.05,FVH=0.16

BL=675.53,BM=106.66,BH=1.17,BVH=0.19

UL=0,UH=0

BUG Rating:B2-U0-G0

NT NT 1-1600-L

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	2193.58	2178.66	2152.54	2139.75	2122.70	2103.52	2085.93	2070.48	2055.02
45.0	2199.97	2204.77	2206.37	2200.50	2188.78	2176.52	2158.94	2138.69	2123.77
90.0	2213.83	2217.56	2219.69	2216.49	2207.96	2193.58	2174.92	2162.67	2149.88
135.0	2200.50	2211.69	2214.89	2221.82	2219.69	2216.49	2205.30	2192.51	2178.66
180.0	2193.58	2197.84	2201.57	2200.50	2196.77	2188.25	2176.52	2163.20	2144.02
225.0	2199.97	2189.85	2178.66	2165.33	2147.21	2124.83	2107.78	2088.59	2069.94
270.0	2213.83	2203.17	2188.78	2177.06	2160.54	2131.76	2096.06	2070.48	2048.63
315.0	2200.50	2186.12	2169.60	2145.62	2117.37	2090.19	2065.68	2042.23	2024.11
360.0	2193.58	2178.66	2152.54	2139.75	2122.70	2103.52	2085.93	2070.48	2055.02

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2033.71	2008.66	1973.49	1938.32	1903.15	1862.65	1828.54	1781.64	1734.22
45.0	2112.58	2096.59	2077.40	2063.55	2040.63	2012.39	1983.08	1946.31	1906.34
90.0	2142.42	2130.69	2113.11	2095.52	2066.75	2039.04	2006.00	1971.89	1933.52
135.0	2164.27	2153.08	2144.02	2128.03	2110.44	2089.66	2049.69	2013.99	1977.22
180.0	2124.30	2108.31	2094.99	2079.54	2059.82	2040.10	2002.80	1968.69	1930.86
225.0	2051.29	2034.77	2016.65	1982.01	1936.19	1893.02	1846.66	1805.09	1760.86
270.0	2027.31	2004.40	1977.75	1945.24	1903.15	1867.44	1831.20	1800.30	1763.53
315.0	2004.40	1980.95	1945.78	1910.07	1867.44	1824.28	1789.11	1745.41	1701.71
360.0	2033.71	2008.66	1973.49	1938.32	1903.15	1862.65	1828.54	1781.64	1734.22

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1680.39	1615.91	1541.84	1475.23	1389.96	1286.05	1040.81	1015.87	966.09
45.0	1858.38	1825.88	1770.45	1703.84	1629.77	1546.64	1452.31	1359.05	1265.26
90.0	1890.36	1832.27	1764.06	1687.85	1640.43	1516.26	1458.17	1367.58	1274.32
135.0	1943.65	1905.81	1864.24	1810.42	1743.28	1695.85	1612.18	1488.55	1433.13
180.0	1894.09	1868.51	1821.61	1751.80	1713.43	1646.82	1571.68	1492.81	1402.22
225.0	1715.56	1666.01	1612.72	1533.85	1485.35	1378.24	1333.48	1248.21	1041.87
270.0	1719.30	1684.12	1619.11	1567.95	1489.62	1400.62	1337.21	1258.34	1157.62
315.0	1662.81	1594.60	1538.11	1460.84	1376.11	1292.98	1046.83	1021.68	972.81
360.0	1680.39	1615.91	1541.84	1475.23	1389.96	1286.05	1040.81	1015.87	966.09

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	835.69	705.13	578.84	457.71	352.09	251.90	171.86	105.51	64.05
45.0	1160.28	1043.58	916.21	781.92	653.50	529.33	409.43	307.11	267.14
90.0	1019.33	1019.33	917.12	785.92	661.54	538.44	419.34	314.09	218.06
135.0	1343.07	1248.74	1138.97	1014.80	886.37	753.15	625.78	503.22	388.64
180.0	1316.42	1229.56	1124.05	1001.48	881.04	756.34	634.84	512.28	401.97
225.0	1041.87	924.26	797.11	670.28	547.39	432.24	329.81	234.80	156.83
270.0	1047.31	925.27	795.78	665.75	538.39	422.75	317.24	298.05	198.56
315.0	846.56	722.40	594.50	474.17	360.77	261.71	178.26	113.67	86.22
360.0	835.69	705.13	578.84	457.71	352.09	251.90	171.86	105.51	64.05

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	51.00	32.56	24.09	20.20	12.84	11.30	9.38	8.05	7.09
45.0	267.14	88.41	51.53	36.72	27.39	20.25	14.76	10.71	8.79
90.0	138.45	82.28	49.99	35.86	29.63	18.65	14.81	10.07	7.67
135.0	301.25	301.25	127.15	60.75	41.99	34.80	22.01	18.17	12.15
180.0	295.39	295.39	119.90	90.54	58.57	37.09	30.75	22.28	15.77
225.0	101.14	67.63	48.17	37.20	25.21	19.45	13.86	10.98	8.79
270.0	114.73	61.92	50.09	34.59	24.09	17.75	12.26	9.75	7.83
315.0	47.91	38.74	27.55	20.25	14.65	10.76	8.63	7.14	6.18
360.0	51.00	32.56	24.09	20.20	12.84	11.30	9.38	8.05	7.09

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	6.34	5.76	5.28	4.85	4.42	4.05	3.73	3.46	3.14
45.0	7.57	6.61	6.02	5.44	4.90	4.58	4.21	3.89	3.52
90.0	6.98	6.13	5.49	5.06	4.64	4.26	3.89	3.68	3.36
135.0	9.43	7.83	6.77	6.02	5.44	4.96	4.58	4.26	3.94
180.0	11.78	9.43	7.89	6.87	6.13	5.49	5.06	4.64	4.26
225.0	7.41	6.50	5.76	5.17	4.74	4.42	4.00	3.62	3.30
270.0	6.66	5.81	5.22	4.74	4.37	4.05	3.68	3.41	3.09
315.0	5.54	5.01	4.58	4.21	3.84	3.57	3.20	2.93	2.77
360.0	6.34	5.76	5.28	4.85	4.42	4.05	3.73	3.46	3.14
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	2.93	2.77	2.50	2.29	2.13	2.03	1.87	1.71	1.60
45.0	3.20	3.04	2.82	2.56	2.45	2.24	2.08	1.97	1.81
90.0	3.09	2.82	2.66	2.50	2.29	2.08	2.03	1.87	1.76
135.0	3.62	3.30	3.09	2.82	2.56	2.45	2.29	2.08	2.03
180.0	3.94	3.57	3.25	3.04	2.88	2.56	2.45	2.29	2.03
225.0	3.04	2.77	2.56	2.40	2.18	2.03	1.97	1.76	1.65
270.0	2.88	2.61	2.45	2.29	2.03	1.92	1.87	1.76	1.60
315.0	2.56	2.34	2.18	1.97	1.87	1.76	1.60	1.49	1.39
360.0	2.93	2.77	2.50	2.29	2.13	2.03	1.87	1.71	1.60
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	1.49	1.44	1.28	1.17	1.12	1.12	0.96	0.91	0.85
45.0	1.71	1.55	1.49	1.39	1.28	1.23	1.17	1.07	1.01
90.0	1.71	1.60	1.44	1.39	1.28	1.23	1.12	1.01	1.01
135.0	1.81	1.65	1.60	1.55	1.39	1.28	1.23	1.17	1.07
180.0	1.92	1.81	1.71	1.60	1.49	1.39	1.33	1.23	1.12
225.0	1.55	1.44	1.33	1.23	1.17	1.07	1.01	0.96	0.91
270.0	1.49	1.39	1.28	1.23	1.07	1.07	1.01	0.91	0.85
315.0	1.33	1.23	1.12	1.12	1.01	0.91	0.85	0.80	0.75
360.0	1.49	1.44	1.28	1.17	1.12	1.12	0.96	0.91	0.85
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	0.85	0.75	0.69	0.69	0.64	0.64	0.53	0.53	0.48
45.0	0.96	0.96	0.85	0.80	0.75	0.75	0.75	0.64	0.64
90.0	0.96	0.85	0.80	0.80	0.75	0.69	0.64	0.64	0.59
135.0	1.01	0.96	0.91	0.85	0.85	0.80	0.69	0.64	0.64
180.0	1.07	1.01	0.96	0.85	0.80	0.75	0.69	0.69	0.64
225.0	0.80	0.80	0.75	0.69	0.64	0.59	0.64	0.59	0.48
270.0	0.85	0.80	0.69	0.69	0.64	0.64	0.53	0.53	0.48
315.0	0.69	0.64	0.59	0.53	0.59	0.53	0.48	0.43	0.43
360.0	0.85	0.75	0.69	0.69	0.64	0.64	0.53	0.53	0.48
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.43	0.37	0.37	0.27	0.27	0.16	0.11	0.11	0.16
45.0	0.53	0.53	0.43	0.43	0.37	0.32	0.27	0.21	0.11
90.0	0.53	0.48	0.43	0.43	0.37	0.32	0.32	0.21	0.16
135.0	0.64	0.53	0.53	0.48	0.43	0.37	0.37	0.27	0.21
180.0	0.59	0.53	0.53	0.48	0.43	0.37	0.32	0.32	0.16
225.0	0.48	0.48	0.37	0.37	0.32	0.27	0.16	0.16	0.05
270.0	0.48	0.43	0.37	0.37	0.27	0.27	0.16	0.11	0.05
315.0	0.37	0.43	0.32	0.27	0.16	0.16	0.11	0.11	0.05
360.0	0.43	0.37	0.37	0.27	0.27	0.16	0.11	0.11	0.16

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	0.11
45.0	0.16
90.0	0.11
135.0	0.11
180.0	0.16
225.0	0.11
270.0	0.05
315.0	0.11
360.0	0.11