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NT

Client:

LumCAT: 2-2685-L

Luminaire: 92.70.411.00

Report No: 2024402-B017

Ballast type: AC

Test No: 2024402-C017

LampCAT: LUMILEDS LUXEON 1205

Lamp flux(lm): 2202.0

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V): 35.190

Current(A): 0.485

Power (W): 17.067

PF: 0.000

Width(mm): 0

Height(mm): 0

Photometric Results

Lumens(lm): 1891.59, Efficiency(%): 85.90% , Luminous Efficacy(lm/W): 110.83

Central intensity(cd): 3284.342, Maximum intensity(cd): 3284.342

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=45.0

[C90/270]Total=45.0

Field angle(10%Imax): [C0/180]Total=68.8

[C90/270]Total=68.8

Maximum s/h(1/2): C0_180=0.71 C90_270=0.71

Maximum s/h(1/4): C0_180=0.71 C90_270=0.71

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.90%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 97.912%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/02
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3284.341	0.000	0	0.00%	0.00%
1.0	3280.464	3.141	3.141	0.14%	0.17%
2.0	3267.882	9.399	12.54	0.43%	0.66%
3.0	3254.129	15.599	28.138	0.71%	1.49%
4.0	3231.452	21.709	49.848	0.99%	2.64%
5.0	3205.336	27.691	77.538	1.26%	4.10%
6.0	3175.270	33.532	111.07	1.52%	5.87%
7.0	3136.791	39.179	150.249	1.78%	7.94%
8.0	3085.950	44.535	194.784	2.02%	10.30%
9.0	3018.210	49.471	244.255	2.25%	12.91%
10.0	2945.496	53.969	298.224	2.45%	15.77%
11.0	2867.149	58.080	356.305	2.64%	18.84%
12.0	2784.705	61.783	418.087	2.81%	22.10%
13.0	2701.018	65.102	483.189	2.96%	25.54%
14.0	2604.676	67.912	551.102	3.08%	29.13%
15.0	2509.796	70.214	621.315	3.19%	32.85%
16.0	2390.044	71.796	693.112	3.26%	36.64%
17.0	2279.144	72.712	765.824	3.30%	40.49%
18.0	2156.539	73.135	838.958	3.32%	44.35%
19.0	2041.104	73.030	911.989	3.32%	48.21%
20.0	1925.083	72.592	984.581	3.30%	52.05%
21.0	1810.818	71.737	1056.318	3.26%	55.84%
22.0	1698.089	70.513	1126.831	3.20%	59.57%
23.0	1583.604	68.859	1195.69	3.13%	63.21%
24.0	1454.028	66.414	1262.103	3.02%	66.72%
25.0	1298.592	62.589	1324.692	2.84%	70.03%
26.0	1198.760	58.950	1383.642	2.68%	73.15%
27.0	1104.576	56.352	1439.994	2.56%	76.13%
28.0	984.400	52.888	1492.882	2.40%	78.92%
29.0	855.818	48.145	1541.027	2.19%	81.47%
30.0	737.296	43.014	1584.041	1.95%	83.74%
31.0	620.412	37.783	1621.824	1.72%	85.74%
32.0	515.276	32.536	1654.36	1.48%	87.46%
33.0	421.062	27.585	1681.945	1.25%	88.92%
34.0	349.679	23.325	1705.27	1.06%	90.15%
35.0	290.001	19.866	1725.136	0.90%	91.20%
36.0	260.893	17.541	1742.677	0.80%	92.13%
37.0	205.597	15.214	1757.891	0.69%	92.93%

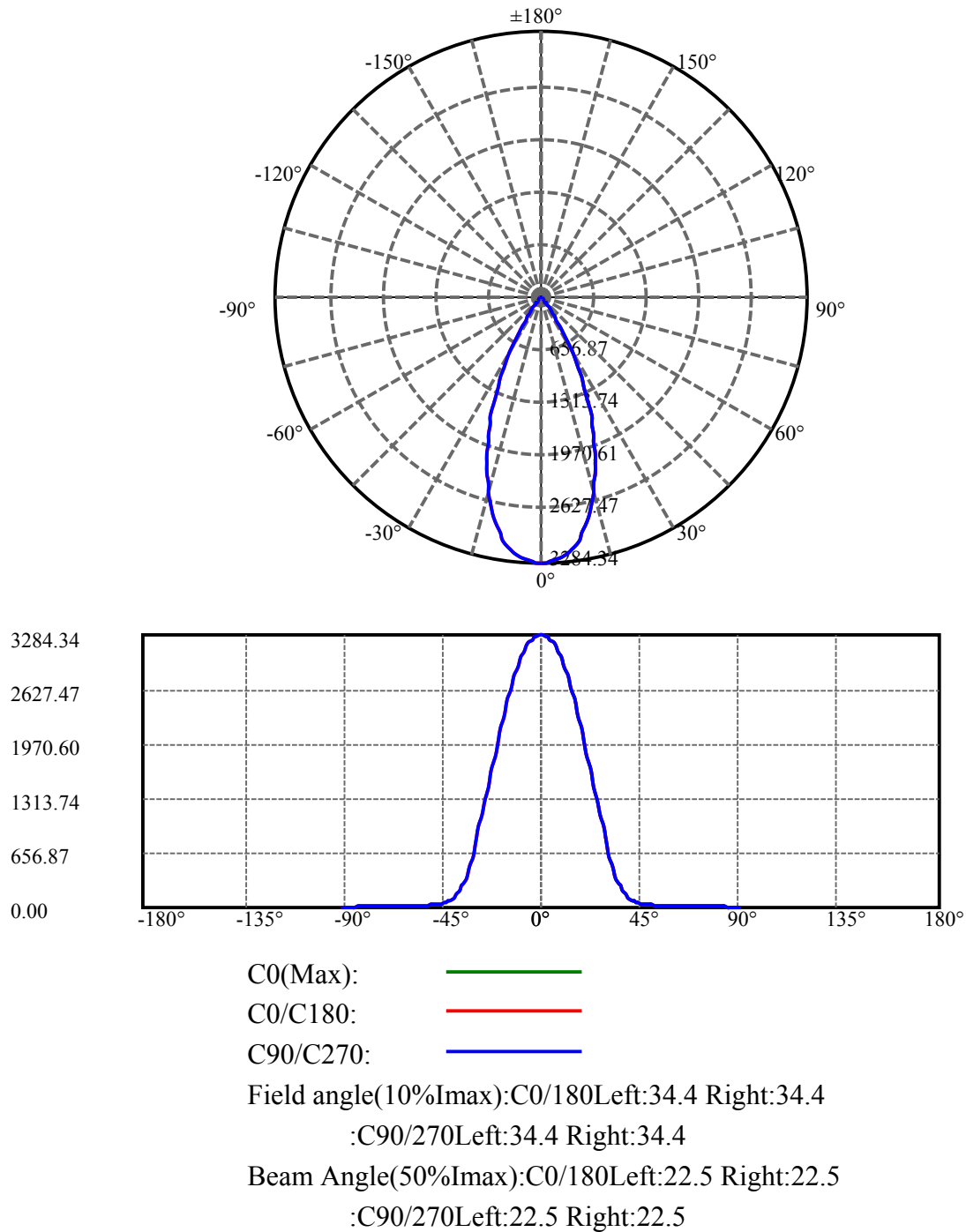
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	163.490	12.320	1770.211	0.56%	93.58%
39.0	130.586	10.038	1780.248	0.46%	94.11%
40.0	108.654	8.344	1788.592	0.38%	94.55%
41.0	90.044	7.076	1795.668	0.32%	94.93%
42.0	74.543	5.980	1801.647	0.27%	95.24%
43.0	63.212	5.103	1806.75	0.23%	95.51%
44.0	54.177	4.431	1811.181	0.20%	95.75%
45.0	47.308	3.900	1815.081	0.18%	95.96%
46.0	42.005	3.493	1818.574	0.16%	96.14%
47.0	38.325	3.195	1821.769	0.15%	96.31%
48.0	35.530	2.986	1824.754	0.14%	96.47%
49.0	33.087	2.818	1827.572	0.13%	96.62%
50.0	31.002	2.672	1830.244	0.12%	96.76%
51.0	29.166	2.546	1832.79	0.12%	96.89%
52.0	27.623	2.437	1835.227	0.11%	97.02%
53.0	26.320	2.347	1837.573	0.11%	97.14%
54.0	25.157	2.269	1839.842	0.10%	97.26%
55.0	24.104	2.199	1842.041	0.10%	97.38%
56.0	23.138	2.135	1844.176	0.10%	97.49%
57.0	22.260	2.076	1846.252	0.09%	97.60%
58.0	21.280	2.013	1848.265	0.09%	97.71%
59.0	20.351	1.946	1850.211	0.09%	97.81%
60.0	19.422	1.879	1852.09	0.09%	97.91%
61.0	18.530	1.811	1853.902	0.08%	98.01%
62.0	17.637	1.743	1855.644	0.08%	98.10%
63.0	16.833	1.676	1857.321	0.08%	98.19%
64.0	16.108	1.616	1858.937	0.07%	98.27%
65.0	15.304	1.555	1860.492	0.07%	98.36%
66.0	14.616	1.493	1861.985	0.07%	98.43%
67.0	14.199	1.449	1863.433	0.07%	98.51%
68.0	13.884	1.423	1864.856	0.06%	98.59%
69.0	13.672	1.406	1866.262	0.06%	98.66%
70.0	13.497	1.395	1867.657	0.06%	98.73%
71.0	13.358	1.388	1869.045	0.06%	98.81%
72.0	13.241	1.383	1870.428	0.06%	98.88%
73.0	13.124	1.379	1871.807	0.06%	98.95%
74.0	13.021	1.375	1873.181	0.06%	99.03%
75.0	12.926	1.371	1874.552	0.06%	99.10%

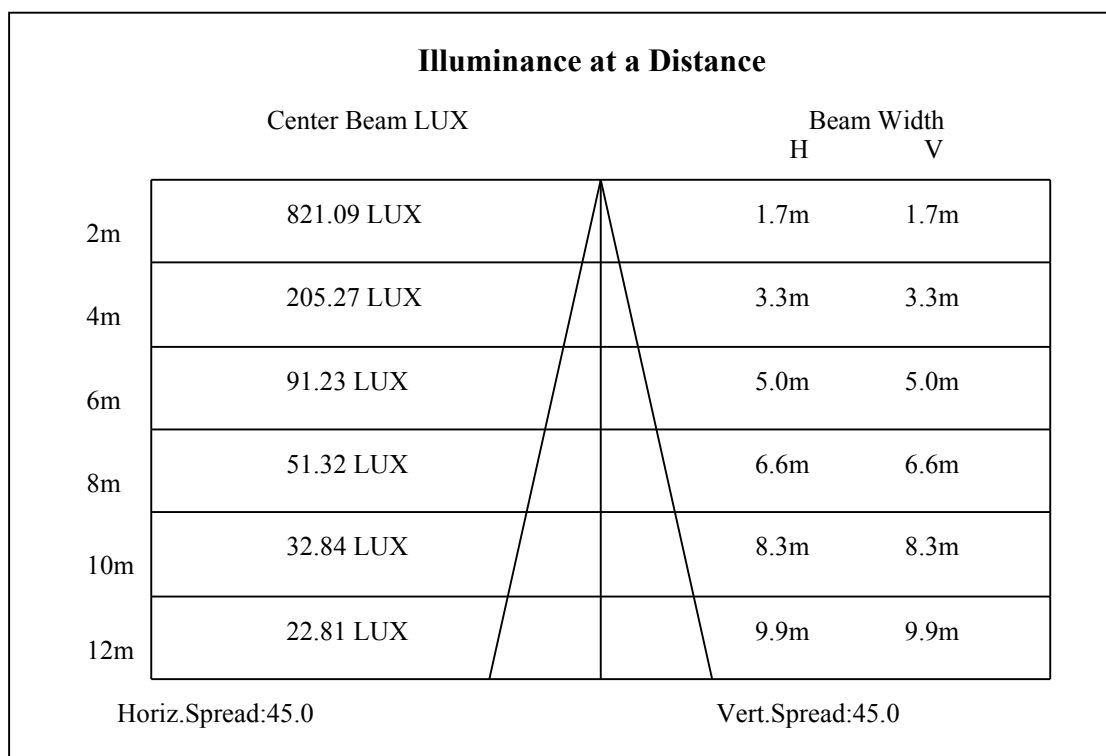
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.802	1.366	1875.918	0.06%	99.17%
77.0	12.677	1.358	1877.277	0.06%	99.24%
78.0	12.531	1.349	1878.626	0.06%	99.31%
79.0	12.290	1.334	1879.96	0.06%	99.38%
80.0	11.953	1.307	1881.267	0.06%	99.45%
81.0	11.529	1.270	1882.537	0.06%	99.52%
82.0	11.002	1.222	1883.758	0.06%	99.59%
83.0	10.315	1.159	1884.917	0.05%	99.65%
84.0	9.634	1.087	1886.004	0.05%	99.70%
85.0	9.056	1.020	1887.024	0.05%	99.76%
86.0	8.632	0.967	1887.991	0.04%	99.81%
87.0	8.361	0.930	1888.921	0.04%	99.86%
88.0	8.157	0.905	1889.826	0.04%	99.91%
89.0	8.040	0.888	1890.713	0.04%	99.95%
90.0	8.018	0.880	1891.594	0.04%	100.00%

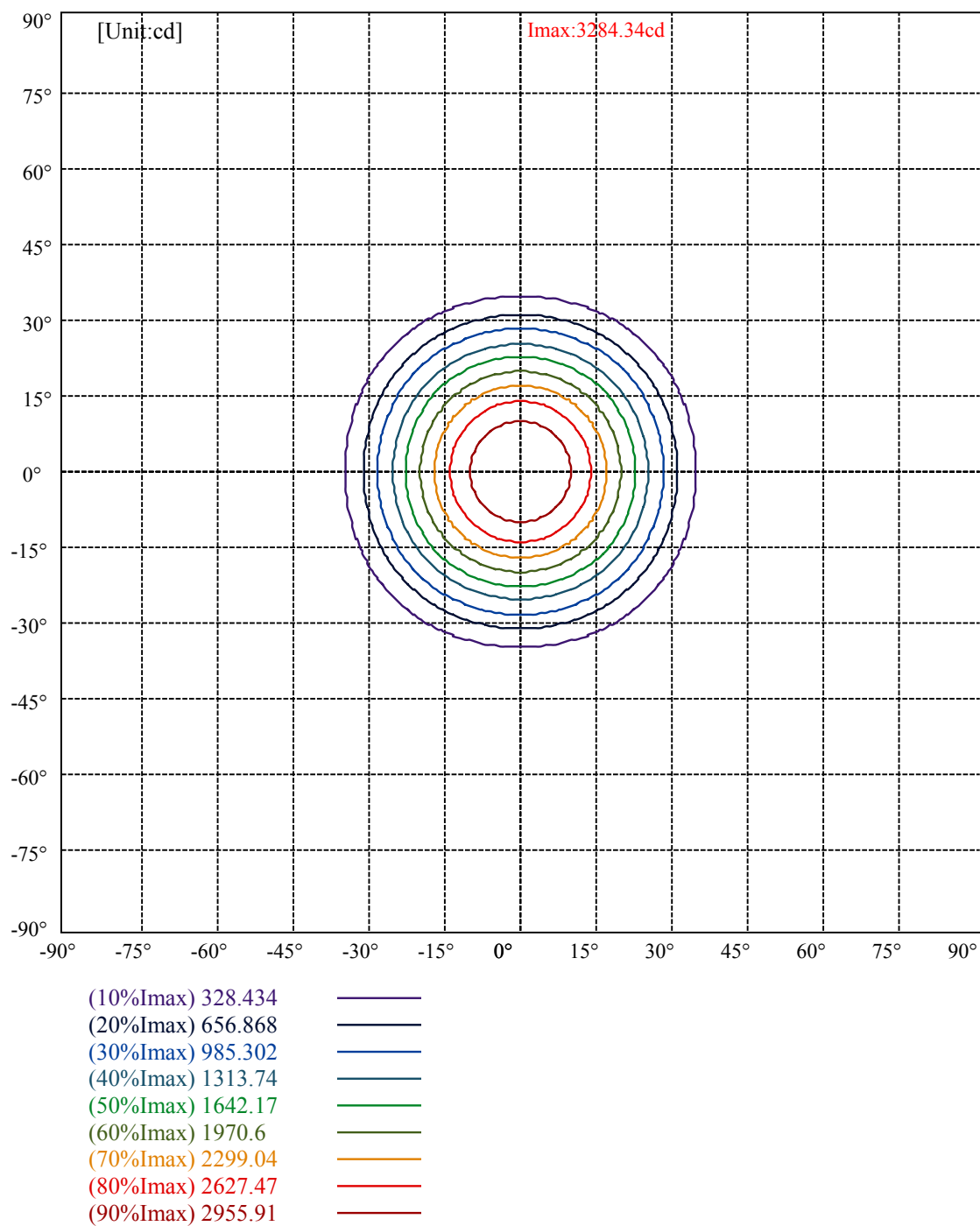
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	1584.04	71.94%	83.74%
0-40	1788.59	81.23%	94.55%
0-60	1852.09	84.11%	97.91%
0-90	1890.71	85.86%	99.95%
0-120	1890.71	85.86%	99.95%
0-180	1891.59	85.90%	100.00%
60-90	38.62	1.75%	2.04%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.42	1513.28	68.72%	80.00%

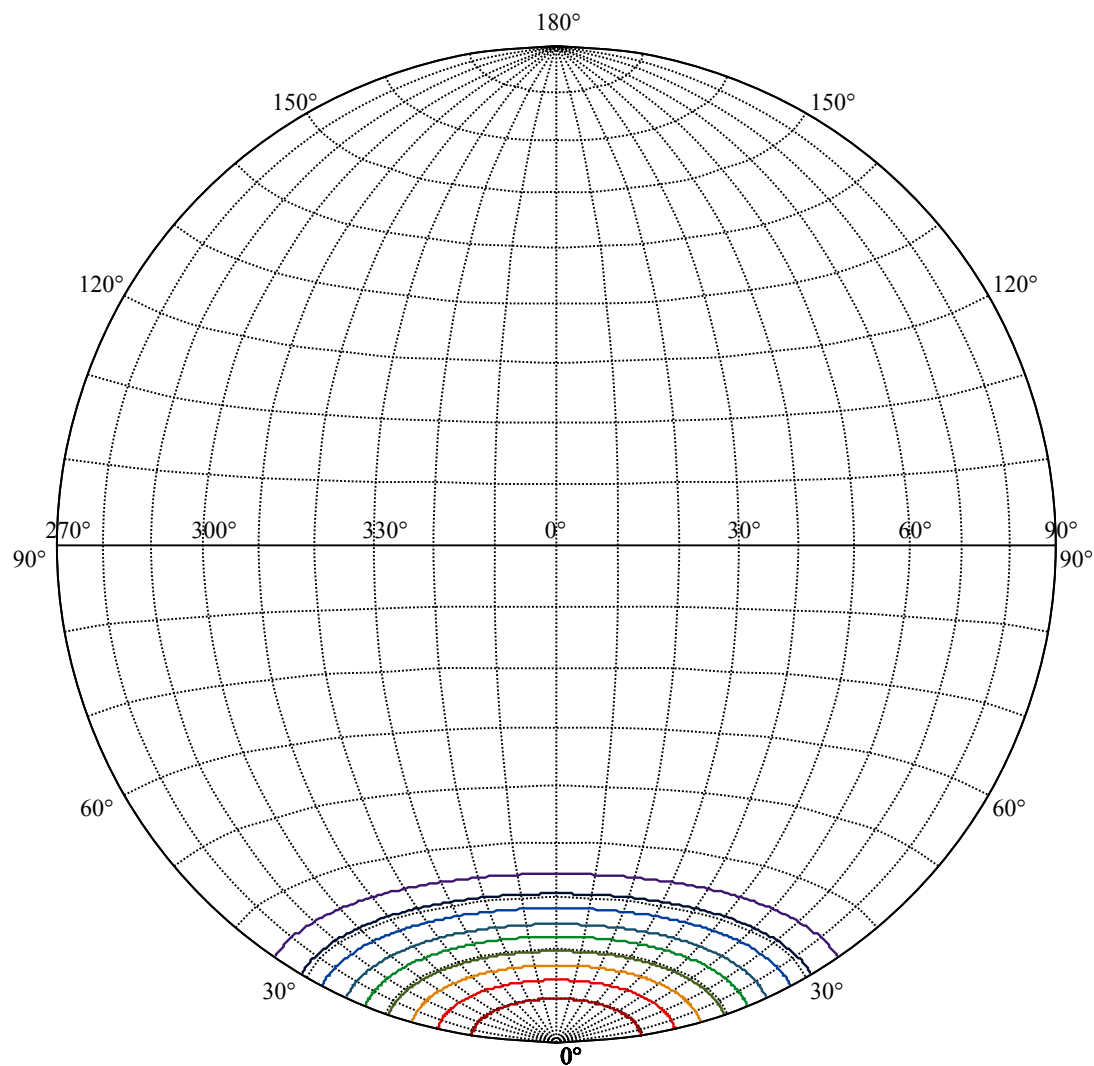
ZONAL LUMEN SUMMARY

0-10	298.22
10-20	686.36
20-30	599.46
30-40	204.55
40-50	41.65
50-60	21.85
60-70	15.57
70-80	13.61
80-90	9.45
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







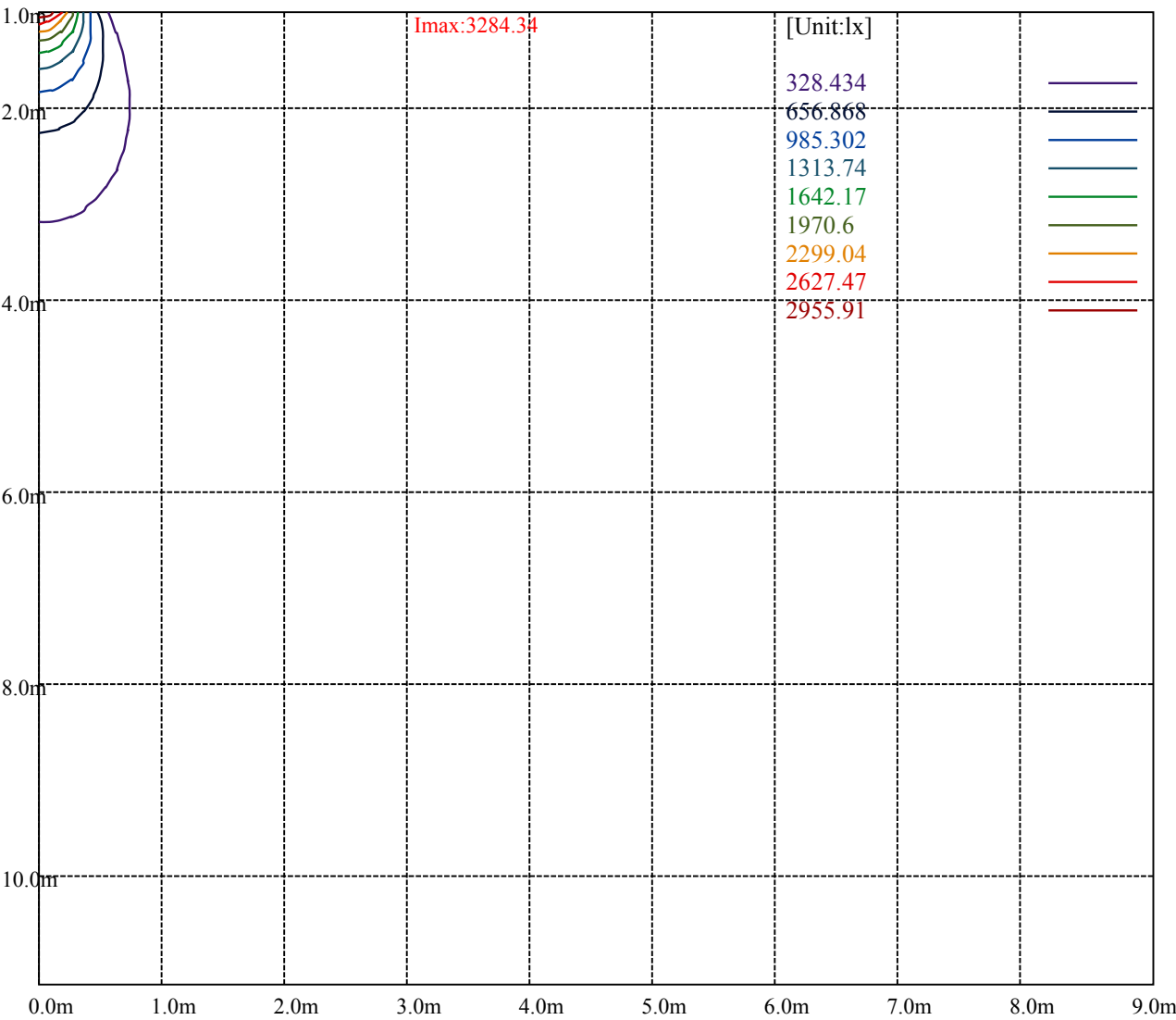


House

[Unit:cd]

Road

Imax:3284.34	
(10%Imax) 328.434	—
(20%Imax) 656.868	—
(30%Imax) 985.302	—
(40%Imax) 1313.74	—
(50%Imax) 1642.17	—
(60%Imax) 1970.6	—
(70%Imax) 2299.04	—
(80%Imax) 2627.47	—
(90%Imax) 2955.91	—



Luminance Limiting Curve(no luminous side)

Luminance Table

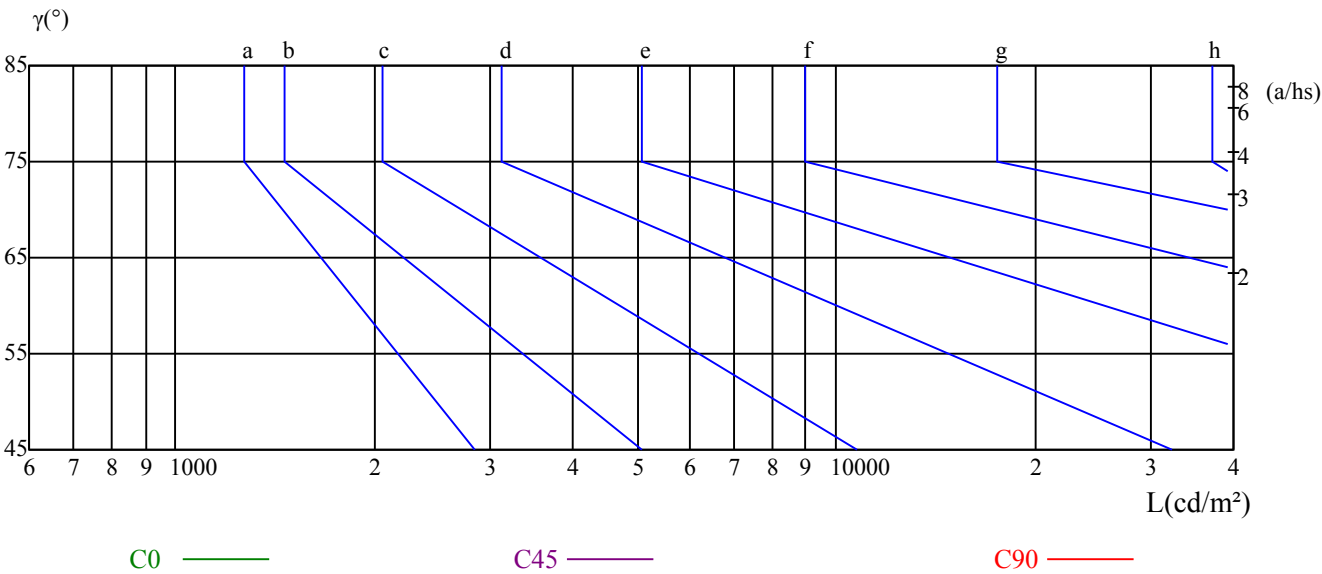
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

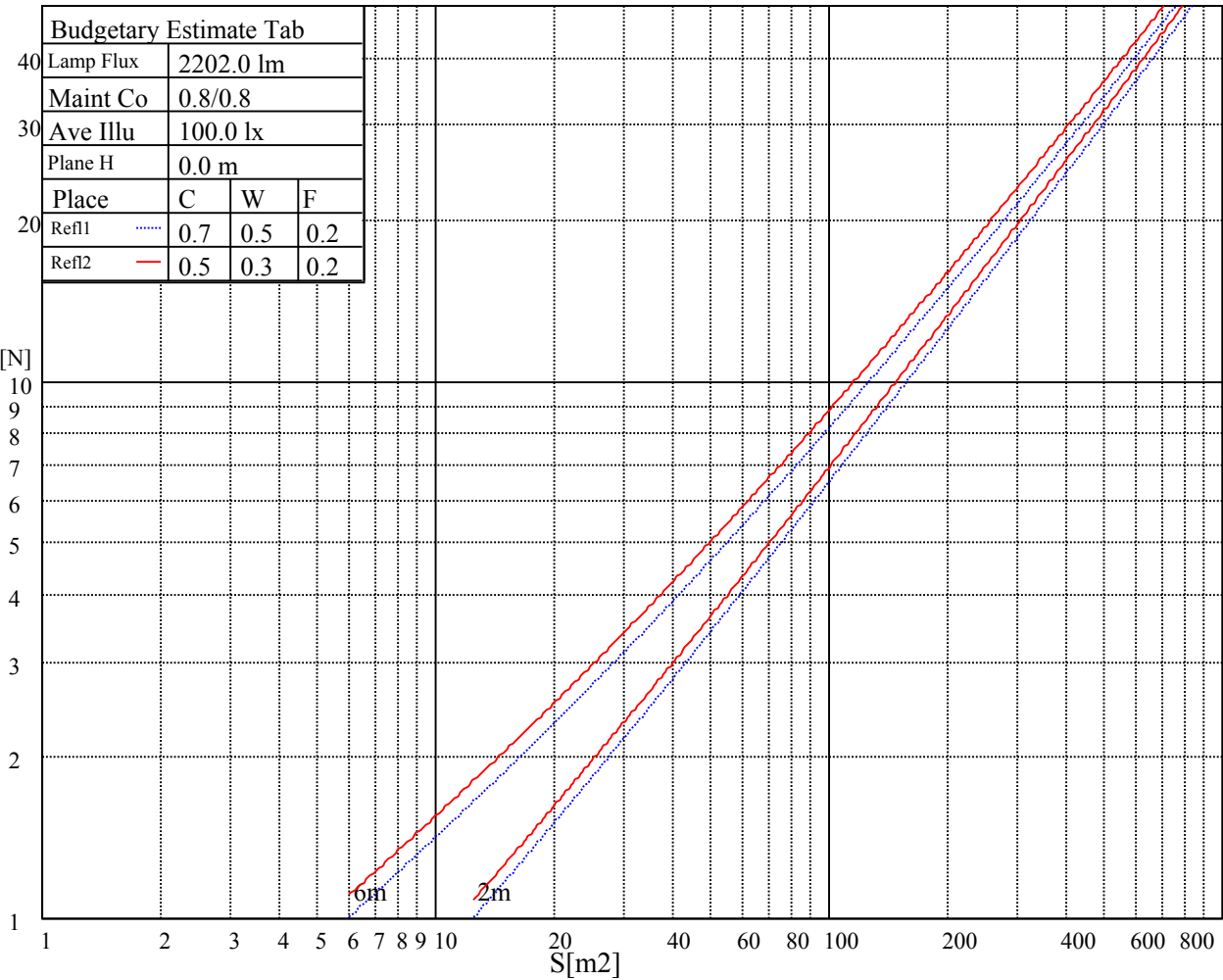
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

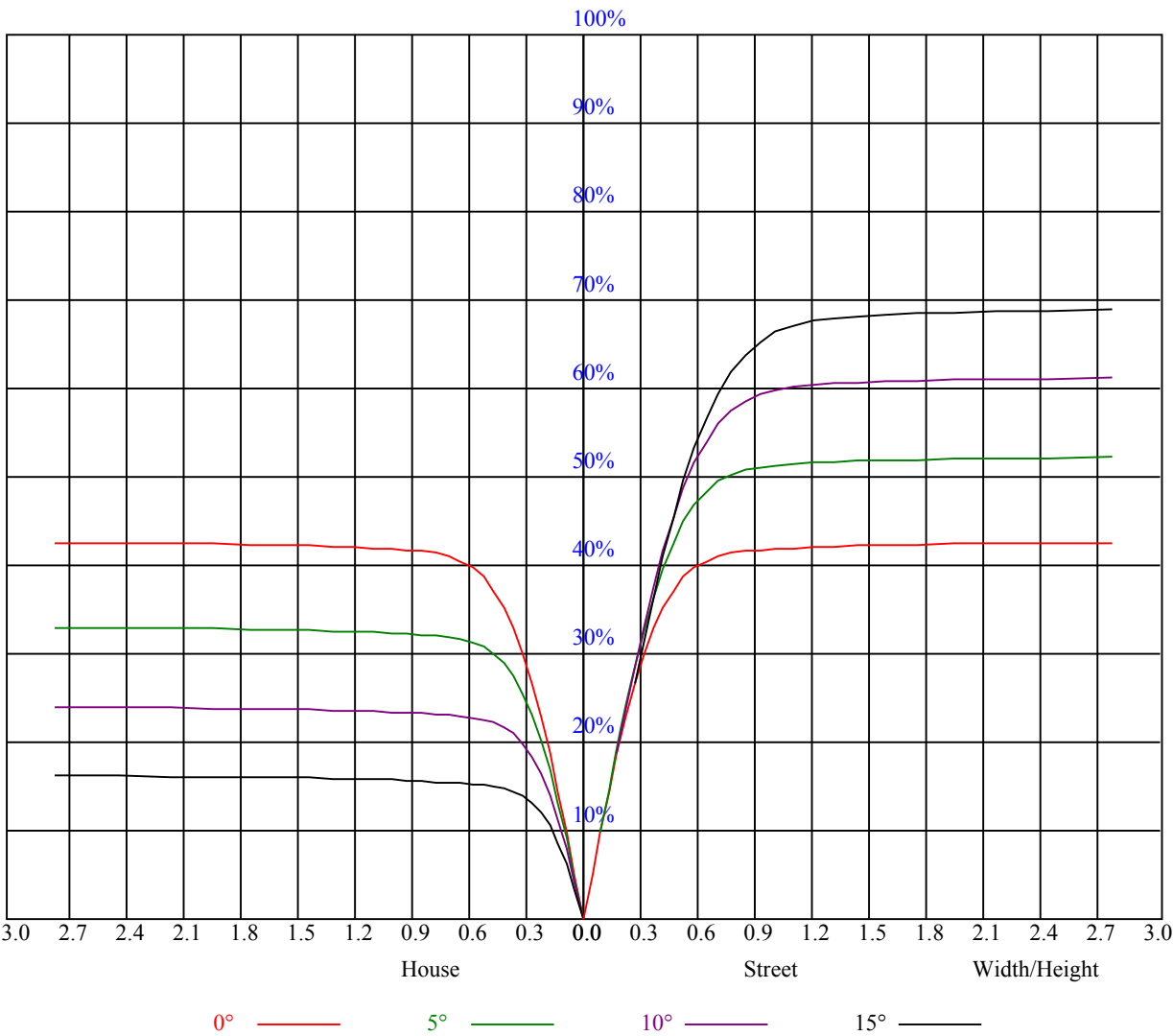


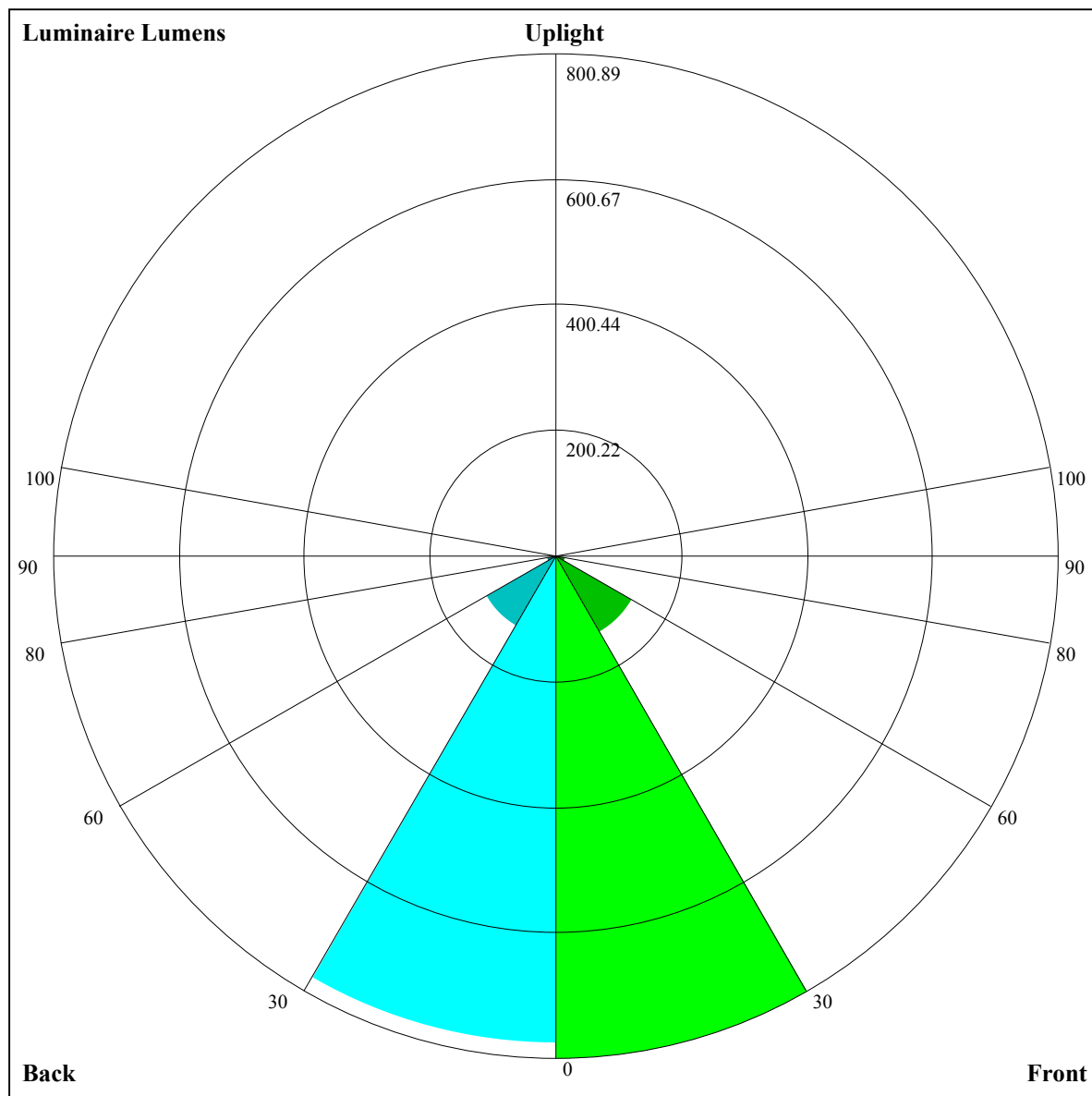
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
4H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
8H	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
12H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
Variation with the observer position at spacings:											
S = 1.0H		非数字/非数字					非数字/非数字				
S = 1.5H		非数字/非数字					非数字/非数字				
S = 2.0H		非数字/非数字					非数字/非数字				
Standard tables:		BK0					BK0				
Uncorrected UGR		负无穷大					负无穷大				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



RHOC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOF=20 CU															
0	1.02	1.02	1.02	1.00	1.00	1.00	0.95	0.95	0.95	0.91	0.91	0.91	0.88	0.88	0.88	0.86
1	0.95	0.93	0.91	0.93	0.92	0.90	0.90	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.89	0.86	0.83	0.88	0.85	0.82	0.85	0.83	0.81	0.83	0.81	0.79	0.80	0.79	0.77	0.76
3	0.84	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.71
4	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.70	0.73	0.71	0.69	0.68
5	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
6	0.71	0.67	0.63	0.71	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
7	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.55
9	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.60	0.56	0.53	0.59	0.56	0.53	0.52
10	0.59	0.54	0.51	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.54	0.51	0.57	0.53	0.51	0.50





Luminaire Lumens:

FL=800.89,FM=140.68,FH=14.65,FVH=5.22

BL=777.45,BM=128.78,BH=14.54,BVH=5.12

UL=0,UH=0

BUG Rating:B2-U0-G0

Intensity data(cd)

Appendix Page: 18 Total:20

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	3285.51	3277.90	3268.54	3258.01	3235.18	3205.92	3183.10	3152.08	3105.85
45.0	3287.27	3286.10	3283.76	3270.88	3256.25	3240.45	3222.89	3199.48	3158.52
90.0	3284.93	3276.73	3266.78	3250.98	3230.50	3203.58	3177.25	3142.13	3090.63
135.0	3279.66	3283.76	3272.64	3264.44	3240.45	3218.80	3196.56	3164.96	3111.11
180.0	3285.51	3286.68	3270.88	3256.25	3236.94	3205.34	3172.56	3128.67	3075.42
225.0	3287.27	3272.05	3250.98	3238.11	3201.82	3167.88	3119.89	3062.54	2992.90
270.0	3284.93	3284.34	3275.56	3257.42	3234.60	3213.53	3183.68	3137.45	3097.65
315.0	3279.66	3276.15	3253.91	3236.94	3215.87	3187.19	3146.23	3107.02	3055.52
360.0	3285.51	3277.90	3268.54	3258.01	3235.18	3205.92	3183.10	3152.08	3105.85

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3033.86	2969.49	2901.02	2808.55	2732.47	2627.13	2533.50	2428.74	2321.65
45.0	3111.70	3054.35	2973.00	2903.36	2831.38	2737.16	2650.54	2534.08	2428.74
90.0	3014.55	2944.91	2847.76	2772.27	2688.58	2580.90	2481.41	2373.15	2262.54
135.0	3054.35	2991.14	2917.41	2820.26	2743.01	2659.32	2569.20	2444.54	2329.84
180.0	2997.58	2924.43	2850.10	2773.44	2672.20	2583.24	2490.78	2359.69	2239.13
225.0	2922.09	2827.87	2747.10	2671.03	2586.17	2468.54	2359.69	2244.40	2134.96
270.0	3020.99	2950.76	2874.10	2774.61	2699.70	2610.16	2520.62	2391.29	2281.85
315.0	2990.56	2901.02	2826.70	2754.13	2654.64	2570.95	2472.63	2344.47	2234.45
360.0	3033.86	2969.49	2901.02	2808.55	2732.47	2627.13	2533.50	2428.74	2321.65

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2181.19	2072.93	1968.17	1844.10	1741.69	1636.35	1522.23	1409.87	1156.35
45.0	2325.74	2209.87	2078.19	1970.51	1868.10	1766.27	1660.34	1518.72	1406.94
90.0	2124.43	2020.26	1915.50	1813.09	1676.14	1564.36	1449.08	1159.68	1159.68
135.0	2199.33	2087.56	1981.05	1854.05	1748.71	1639.86	1524.57	1388.21	1267.66
180.0	2126.77	1992.16	1883.31	1747.54	1639.86	1532.18	1419.23	1277.60	1164.07
225.0	1996.26	1889.75	1755.73	1645.13	1536.86	1400.50	1148.68	1148.68	1064.70
270.0	2175.34	2070.00	1930.72	1824.79	1720.03	1583.09	1472.48	1329.69	1214.40
315.0	2123.25	1986.31	1887.99	1787.34	1653.32	1546.22	1435.62	1156.29	1156.29
360.0	2181.19	2072.93	1968.17	1844.10	1741.69	1636.35	1522.23	1409.87	1156.35

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1156.35	1042.17	896.45	780.40	640.70	536.42	445.82	371.85	297.70
45.0	1292.82	1148.27	1030.64	889.60	777.24	664.29	533.20	443.66	371.68
90.0	1077.52	935.72	822.88	714.44	576.33	478.54	397.02	332.29	265.63
135.0	1154.12	1036.49	891.36	781.33	671.31	541.39	449.51	375.19	302.03
180.0	1051.71	942.86	802.40	687.11	583.53	492.82	390.99	324.27	295.60
225.0	924.71	816.15	702.21	594.88	477.95	396.37	329.83	263.00	220.57
270.0	1106.13	992.60	853.32	741.54	636.20	536.71	423.76	354.12	297.94
315.0	1073.24	960.94	847.29	709.06	600.03	475.67	398.36	333.05	268.85
360.0	1156.35	1042.17	896.45	780.40	640.70	536.42	445.82	371.85	297.70

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	248.25	206.53	163.51	135.89	114.41	95.80	77.72	66.07	56.94
45.0	312.57	298.52	238.89	168.84	139.69	111.66	93.75	79.01	67.18
90.0	222.44	185.98	154.32	123.83	104.64	88.02	71.46	61.10	51.32
135.0	302.03	243.28	165.15	136.83	114.53	92.06	77.83	66.07	56.65
180.0	295.60	179.25	144.38	120.50	100.72	84.62	68.76	58.93	51.21
225.0	184.05	146.54	121.84	98.08	82.58	69.76	59.52	51.50	44.07
270.0	297.94	198.10	165.38	137.94	110.49	92.58	75.08	63.97	55.13
315.0	224.26	186.57	154.44	122.78	102.18	85.85	72.22	59.05	50.91
360.0	248.25	206.53	163.51	135.89	114.41	95.80	77.72	66.07	56.94

Intensity data(cd)

Appendix Page: 19 Total:20

C/ γ (°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	50.10	43.66	39.80	36.11	33.65	31.54	29.32	27.86	26.57
45.0	56.12	49.33	43.37	39.68	36.52	33.24	31.13	29.32	27.86
90.0	45.53	41.32	37.40	34.94	32.77	30.78	28.91	27.51	26.28
135.0	48.05	43.13	39.39	36.52	33.71	31.72	29.55	28.03	26.80
180.0	45.35	40.09	36.99	34.70	32.13	30.37	28.91	27.15	25.98
225.0	39.85	36.64	34.29	31.89	30.20	28.73	27.10	25.93	24.70
270.0	48.34	42.08	38.57	35.93	33.77	31.43	29.79	28.27	26.63
315.0	45.12	39.80	36.81	34.47	31.95	30.20	28.62	26.92	25.75
360.0	50.10	43.66	39.80	36.11	33.65	31.54	29.32	27.86	26.57
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.46	24.23	23.35	22.41	21.54	20.48	19.66	18.73	17.67
45.0	26.34	25.11	24.17	23.23	22.30	21.36	20.54	19.43	18.55
90.0	25.11	23.94	23.06	22.18	21.01	20.13	19.08	18.20	17.44
135.0	25.40	24.46	23.58	22.77	21.65	20.78	19.90	18.96	17.91
180.0	24.93	23.82	22.94	22.06	20.95	20.07	19.20	18.38	17.50
225.0	23.82	23.00	21.95	21.07	20.25	19.37	18.32	17.56	16.85
270.0	25.52	24.52	23.41	22.53	21.65	20.54	19.66	18.84	17.85
315.0	24.70	23.76	22.65	21.83	20.89	20.07	19.02	18.14	17.32
360.0	25.46	24.23	23.35	22.41	21.54	20.48	19.66	18.73	17.67
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.97	16.33	15.39	14.69	14.16	13.93	13.69	13.52	13.34
45.0	17.56	16.85	16.09	15.16	14.51	14.16	13.87	13.58	13.40
90.0	16.68	15.86	15.04	14.51	14.10	13.81	13.58	13.46	13.28
135.0	17.15	16.50	15.57	14.81	14.40	13.99	13.75	13.52	13.40
180.0	16.62	15.92	15.16	14.40	14.10	13.75	13.58	13.46	13.34
225.0	16.15	15.22	14.63	14.22	13.93	13.69	13.58	13.46	13.34
270.0	17.09	16.39	15.68	14.75	14.34	14.05	13.81	13.58	13.46
315.0	16.44	15.80	14.86	14.40	14.05	13.69	13.52	13.40	13.28
360.0	16.97	16.33	15.39	14.69	14.16	13.93	13.69	13.52	13.34
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.28	13.17	13.05	12.99	12.82	12.70	12.58	12.35	12.11
45.0	13.28	13.23	13.17	13.05	12.93	12.82	12.70	12.58	12.35
90.0	13.17	13.05	12.87	12.76	12.70	12.47	12.35	12.11	11.70
135.0	13.28	13.17	13.05	12.93	12.82	12.76	12.58	12.35	12.17
180.0	13.17	13.05	12.93	12.87	12.70	12.58	12.47	12.29	11.76
225.0	13.23	13.11	13.05	12.93	12.82	12.70	12.52	12.06	11.65
270.0	13.34	13.17	13.05	12.93	12.82	12.70	12.52	12.35	12.06
315.0	13.17	13.05	12.99	12.93	12.82	12.70	12.52	12.23	11.82
360.0	13.28	13.17	13.05	12.99	12.82	12.70	12.58	12.35	12.11
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.59	11.24	10.59	9.89	9.25	8.72	8.43	8.19	8.08
45.0	12.06	11.59	11.18	10.48	9.71	9.13	8.66	8.37	8.19
90.0	11.35	10.83	10.18	9.42	9.01	8.60	8.31	8.13	8.02
135.0	11.70	11.29	10.42	9.77	9.13	8.66	8.43	8.19	8.02
180.0	11.35	10.77	10.01	9.36	8.78	8.43	8.25	8.08	7.96
225.0	11.12	10.24	9.60	9.01	8.60	8.37	8.19	8.02	8.02
270.0	11.59	11.12	10.42	9.66	9.07	8.66	8.37	8.19	8.02
315.0	11.47	10.94	10.12	9.48	8.90	8.49	8.25	8.08	8.02
360.0	11.59	11.24	10.59	9.89	9.25	8.72	8.43	8.19	8.08

Intensity data(cd)

Appendix Page: 20 Total:20

C/ $\gamma(^{\circ})$	90.0
0.0	8.02
45.0	8.08
90.0	8.02
135.0	8.02
180.0	8.02
225.0	8.02
270.0	8.02
315.0	7.96
360.0	8.02