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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 1-1306-L
Luminaire: 92.70.410.00
Report No: 2024803-B016
Ballast type: AC

Test No: 2024803-C016	Voltage(V): 34.450
LampCAT: Fortimo_SLM_C_1204	Current(A): 0.288
Lamp flux(lm): 1684.0	Power (W): 9.921
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1539.49, Efficiency(%): 91.42% , Luminous Efficacy(lm/W): 155.17
Central intensity(cd): 2331.522, Maximum intensity(cd): 2331.522
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=51.2
[C90/270]Total=51.2
Field angle(10%Imax): [C0/180]Total=71.6
[C90/270]Total=71.6
Maximum s/h(1/2): C0_180=0.81 C90_270=0.81
Maximum s/h(1/4): C0_180=0.77 C90_270=0.77
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.42%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.979%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2331.522	0.000	0	0.00%	0.00%
1.0	2318.866	2.225	2.225	0.13%	0.14%
2.0	2298.457	6.627	8.852	0.39%	0.58%
3.0	2281.778	10.954	19.807	0.65%	1.29%
4.0	2266.928	15.226	35.033	0.90%	2.28%
5.0	2247.761	19.422	54.455	1.15%	3.54%
6.0	2230.644	23.535	77.99	1.40%	5.07%
7.0	2208.698	27.555	105.545	1.64%	6.86%
8.0	2178.851	31.401	136.946	1.86%	8.90%
9.0	2155.442	35.127	172.073	2.09%	11.18%
10.0	2126.474	38.750	210.823	2.30%	13.69%
11.0	2096.188	42.193	253.016	2.51%	16.44%
12.0	2058.149	45.413	298.428	2.70%	19.38%
13.0	2016.305	48.353	346.782	2.87%	22.53%
14.0	1969.267	51.015	397.797	3.03%	25.84%
15.0	1925.522	53.469	451.266	3.18%	29.31%
16.0	1875.339	55.693	506.96	3.31%	32.93%
17.0	1818.645	57.525	564.485	3.42%	36.67%
18.0	1762.756	59.050	623.534	3.51%	40.50%
19.0	1703.648	60.308	683.843	3.58%	44.42%
20.0	1637.006	61.143	744.986	3.63%	48.39%
21.0	1565.609	61.497	806.483	3.65%	52.39%
22.0	1481.848	61.240	867.723	3.64%	56.36%
23.0	1378.483	60.017	927.74	3.56%	60.26%
24.0	1268.578	57.874	985.614	3.44%	64.02%
25.0	1215.564	56.484	1042.098	3.35%	67.69%
26.0	1127.626	55.311	1097.41	3.28%	71.28%
27.0	1021.891	52.588	1149.998	3.12%	74.70%
28.0	917.779	49.108	1199.106	2.92%	77.89%
29.0	802.380	45.004	1244.11	2.67%	80.81%
30.0	689.424	40.278	1284.389	2.39%	83.43%
31.0	573.857	35.155	1319.544	2.09%	85.71%
32.0	476.271	30.085	1349.629	1.79%	87.67%
33.0	386.234	25.410	1375.039	1.51%	89.32%
34.0	306.768	20.972	1396.011	1.25%	90.68%
35.0	252.049	17.355	1413.366	1.03%	91.81%
36.0	229.247	15.325	1428.69	0.91%	92.80%
37.0	144.894	12.202	1440.893	0.72%	93.60%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	112.268	8.584	1449.477	0.51%	94.15%
39.0	88.347	6.848	1456.324	0.41%	94.60%
40.0	72.209	5.600	1461.924	0.33%	94.96%
41.0	60.285	4.718	1466.642	0.28%	95.27%
42.0	51.895	4.076	1470.718	0.24%	95.53%
43.0	45.106	3.593	1474.311	0.21%	95.77%
44.0	40.124	3.217	1477.528	0.19%	95.98%
45.0	35.969	2.924	1480.452	0.17%	96.17%
46.0	32.612	2.682	1483.134	0.16%	96.34%
47.0	29.920	2.487	1485.621	0.15%	96.50%
48.0	27.476	2.320	1487.941	0.14%	96.65%
49.0	25.443	2.173	1490.114	0.13%	96.79%
50.0	23.650	2.047	1492.161	0.12%	96.93%
51.0	22.202	1.940	1494.101	0.12%	97.05%
52.0	20.863	1.848	1495.949	0.11%	97.17%
53.0	19.722	1.765	1497.715	0.10%	97.29%
54.0	18.654	1.691	1499.406	0.10%	97.40%
55.0	17.747	1.625	1501.031	0.10%	97.50%
56.0	16.891	1.565	1502.596	0.09%	97.60%
57.0	16.152	1.511	1504.107	0.09%	97.70%
58.0	15.494	1.463	1505.57	0.09%	97.80%
59.0	14.923	1.422	1506.992	0.08%	97.89%
60.0	14.440	1.387	1508.38	0.08%	97.98%
61.0	13.987	1.357	1509.736	0.08%	98.07%
62.0	13.570	1.328	1511.064	0.08%	98.15%
63.0	13.204	1.302	1512.366	0.08%	98.24%
64.0	12.816	1.277	1513.643	0.08%	98.32%
65.0	12.516	1.254	1514.897	0.07%	98.40%
66.0	12.202	1.233	1516.13	0.07%	98.48%
67.0	11.902	1.212	1517.342	0.07%	98.56%
68.0	11.609	1.191	1518.533	0.07%	98.64%
69.0	11.331	1.170	1519.704	0.07%	98.71%
70.0	11.061	1.150	1520.854	0.07%	98.79%
71.0	10.790	1.129	1521.983	0.07%	98.86%
72.0	10.549	1.110	1523.092	0.07%	98.94%
73.0	10.278	1.089	1524.182	0.06%	99.01%
74.0	10.037	1.068	1525.25	0.06%	99.08%
75.0	9.781	1.047	1526.297	0.06%	99.14%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.546	1.026	1527.323	0.06%	99.21%
77.0	9.276	1.004	1528.326	0.06%	99.28%
78.0	9.056	0.981	1529.307	0.06%	99.34%
79.0	8.837	0.961	1530.269	0.06%	99.40%
80.0	8.588	0.939	1531.208	0.06%	99.46%
81.0	8.361	0.917	1532.125	0.05%	99.52%
82.0	8.157	0.896	1533.021	0.05%	99.58%
83.0	7.944	0.875	1533.896	0.05%	99.64%
84.0	7.747	0.855	1534.751	0.05%	99.69%
85.0	7.564	0.836	1535.586	0.05%	99.75%
86.0	7.374	0.817	1536.403	0.05%	99.80%
87.0	7.206	0.798	1537.201	0.05%	99.85%
88.0	7.045	0.781	1537.981	0.05%	99.90%
89.0	6.847	0.761	1538.743	0.05%	99.95%
90.0	6.730	0.744	1539.487	0.04%	100.00%

Zonal flux distribution table

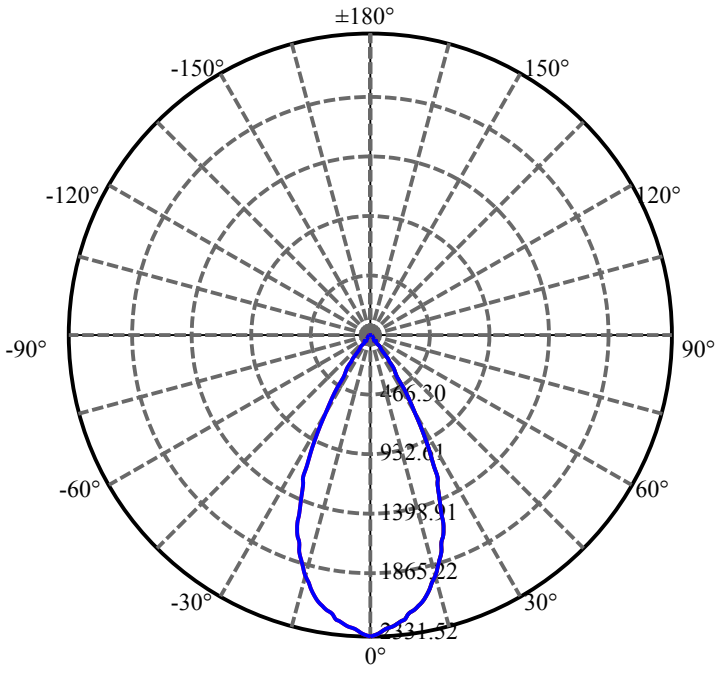
ZONAL LUMEN SUMMARY

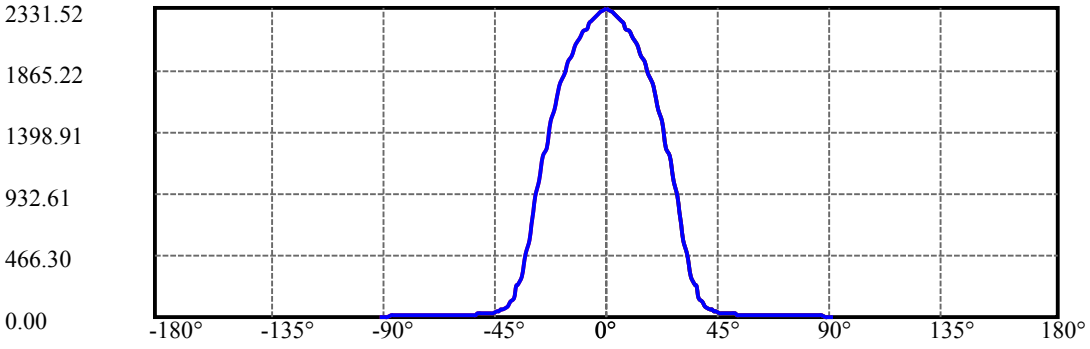
Zone	Lumens	%Lamp	%Fixt
0-30	1284.39	76.27%	83.43%
0-40	1461.92	86.81%	94.96%
0-60	1508.38	89.57%	97.98%
0-90	1538.74	91.37%	99.95%
0-120	1538.74	91.37%	99.95%
0-180	1539.49	91.42%	100.00%
60-90	30.36	1.80%	1.97%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.72	1231.59	73.13%	80.00%

ZONAL LUMEN SUMMARY

0-10	210.82
10-20	534.16
20-30	539.40
30-40	177.53
40-50	30.24
50-60	16.22
60-70	12.47
70-80	10.35
80-90	7.53
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

Light Distribution Curve [Unit:cd]





C0(Max):

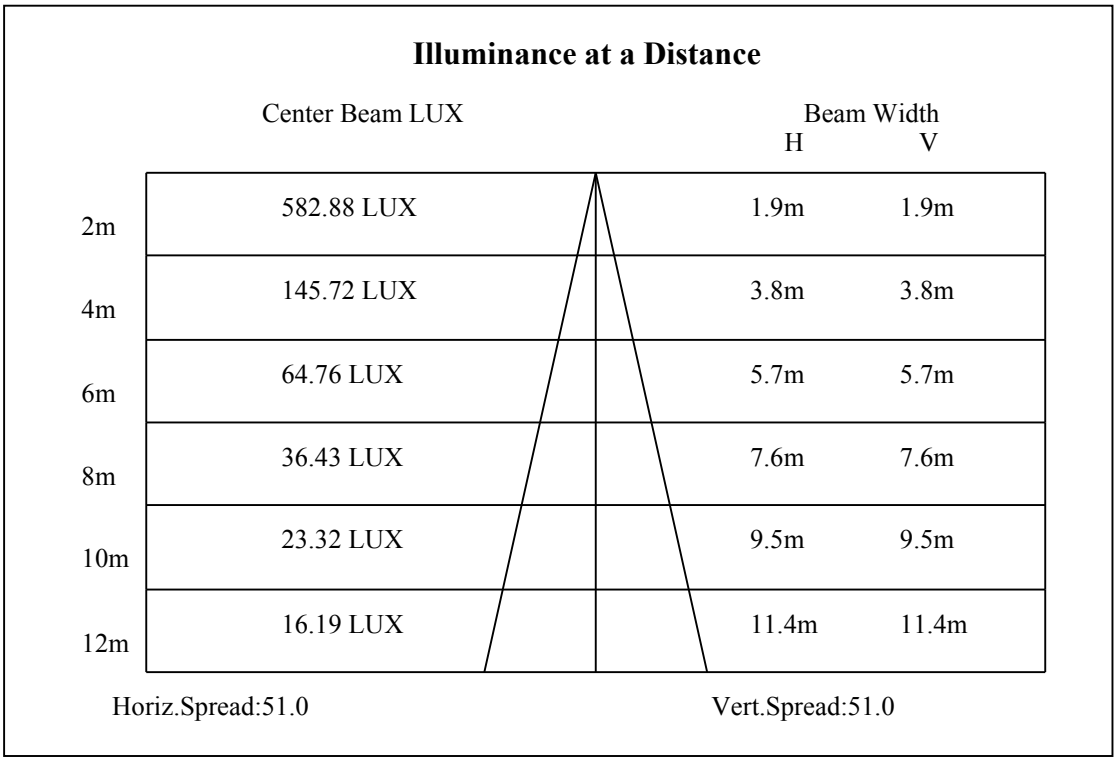
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:35.8 Right:35.8
:C90/270Left:35.8 Right:35.8

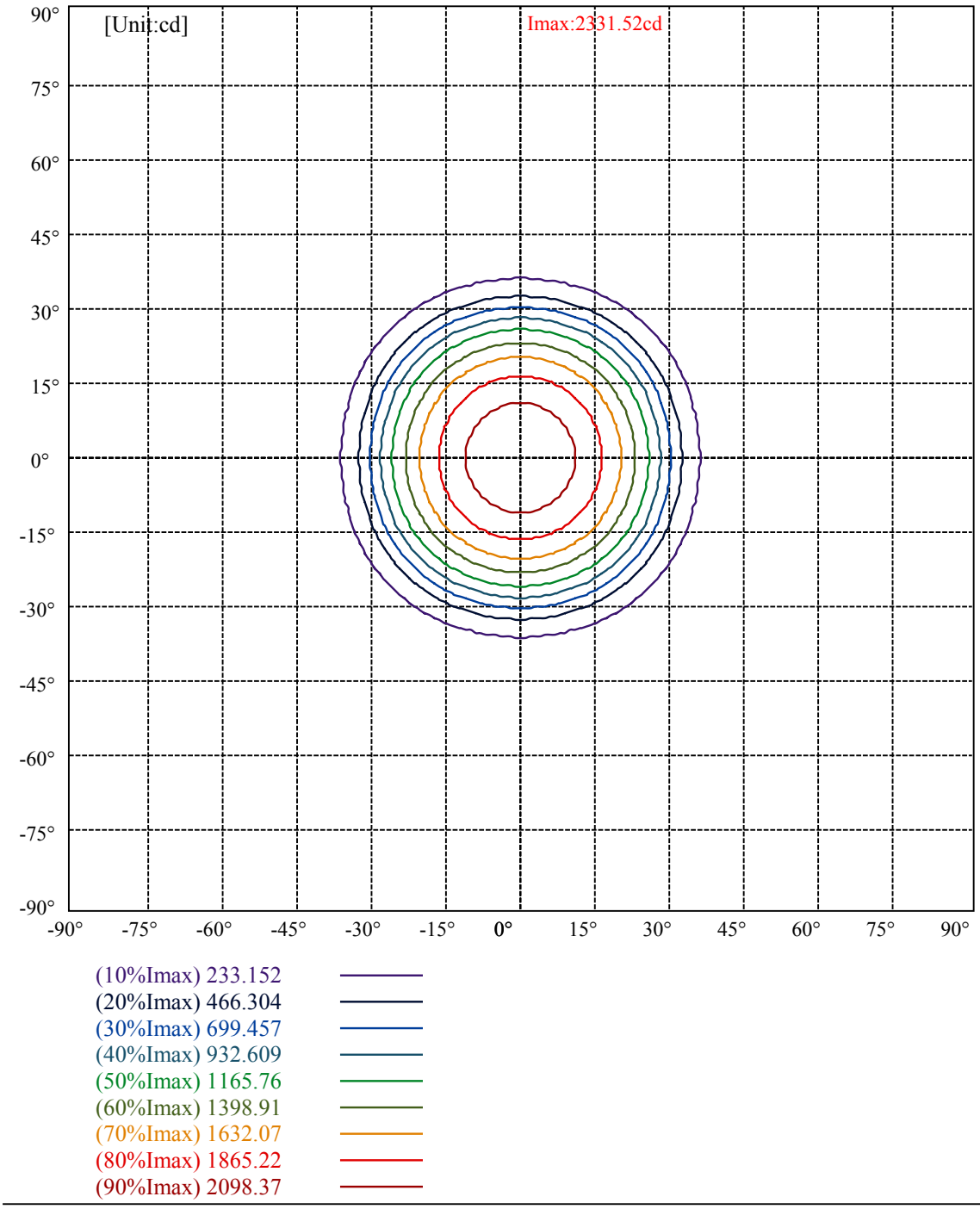
Beam Angle(50%Imax):C0/180Left:25.6 Right:25.6
:C90/270Left:25.6 Right:25.6

Lux distance Curve



Equipment: GMS1980 Date: 2024/8/3 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

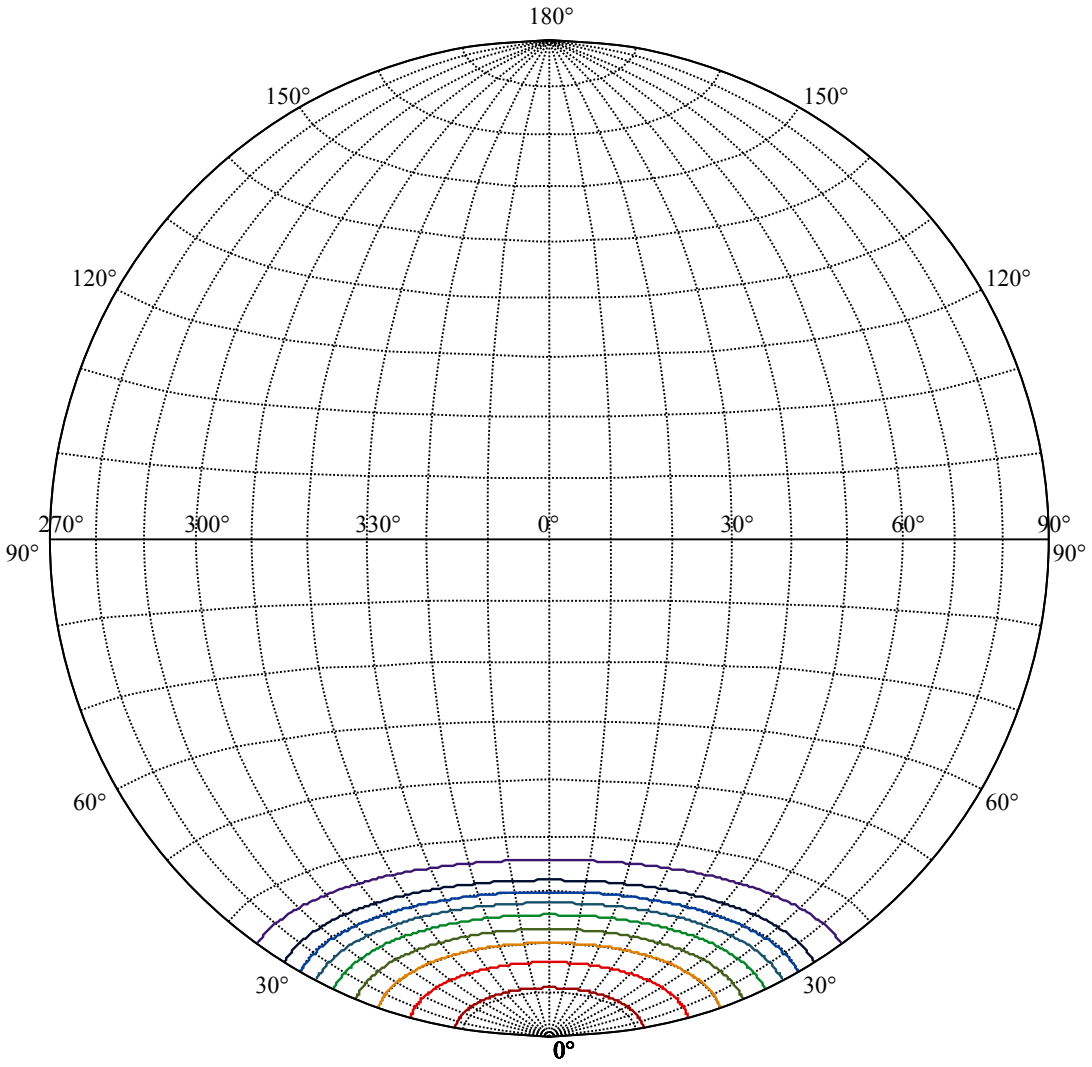


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/3
Humidity(%): 60.0%

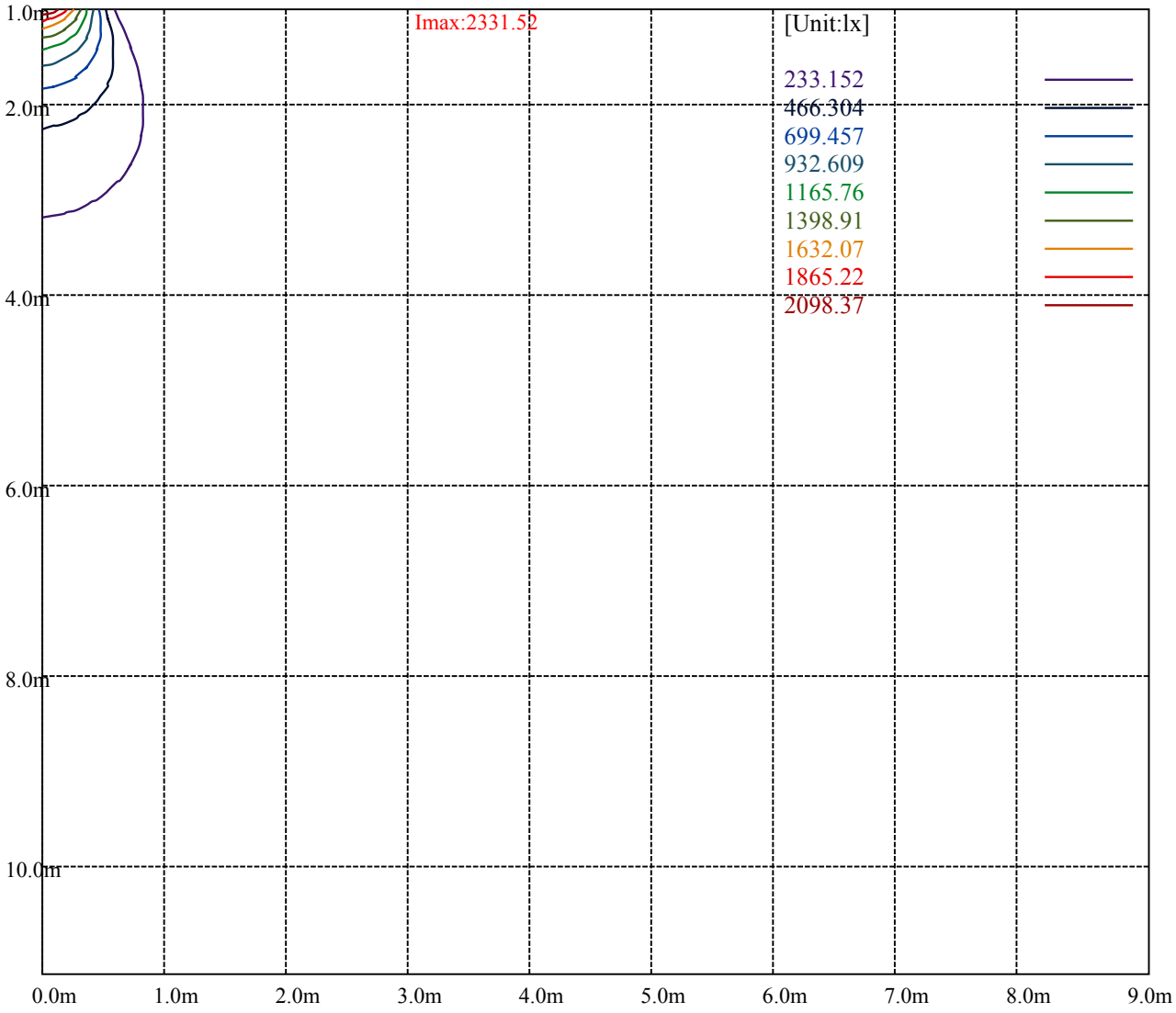
Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



Equipment: GMS1980	Date: 2024/8/3	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/3
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

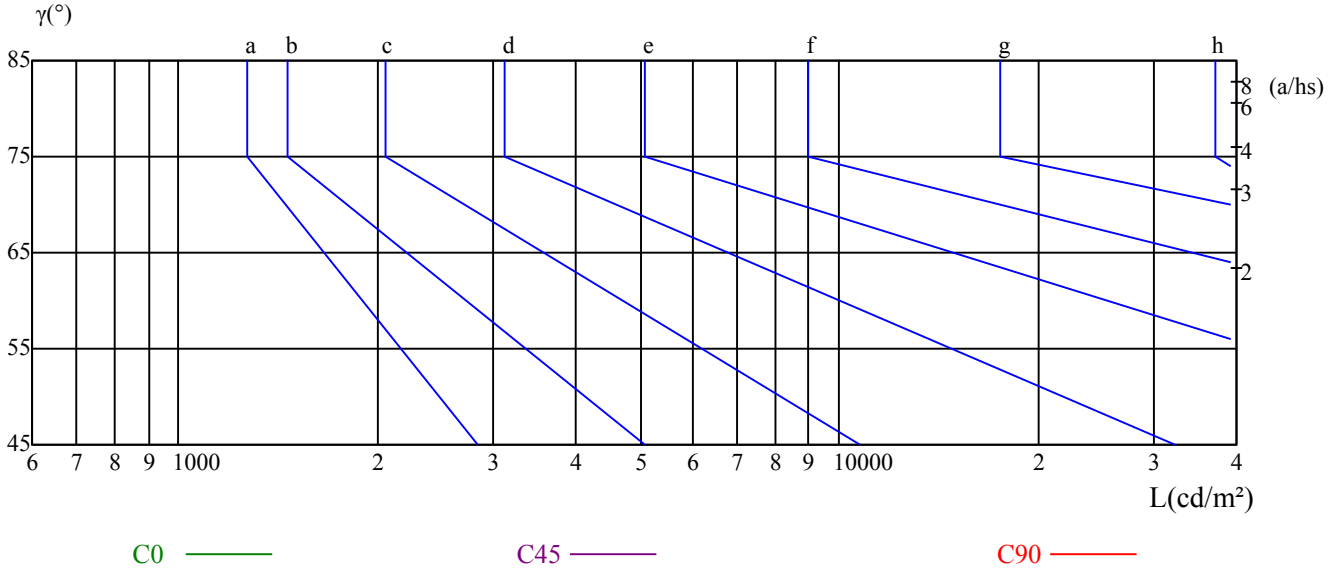
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

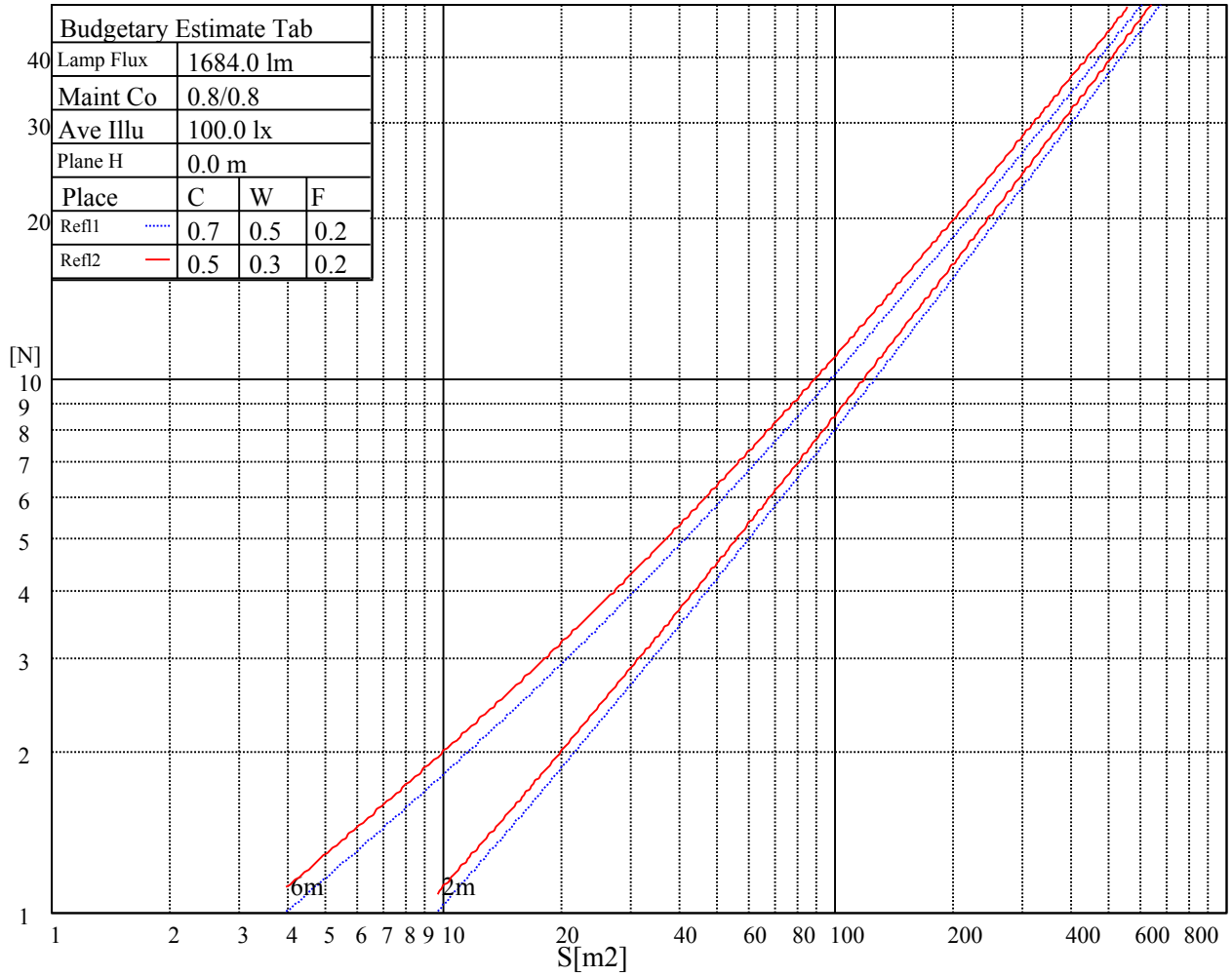
Luminance Limitting Curve



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	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	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	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	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	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	非数字
4H	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	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	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	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	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	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	非数字
8H	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	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	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	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	非数字
12H	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	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	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	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

Budgetary Estimate Table

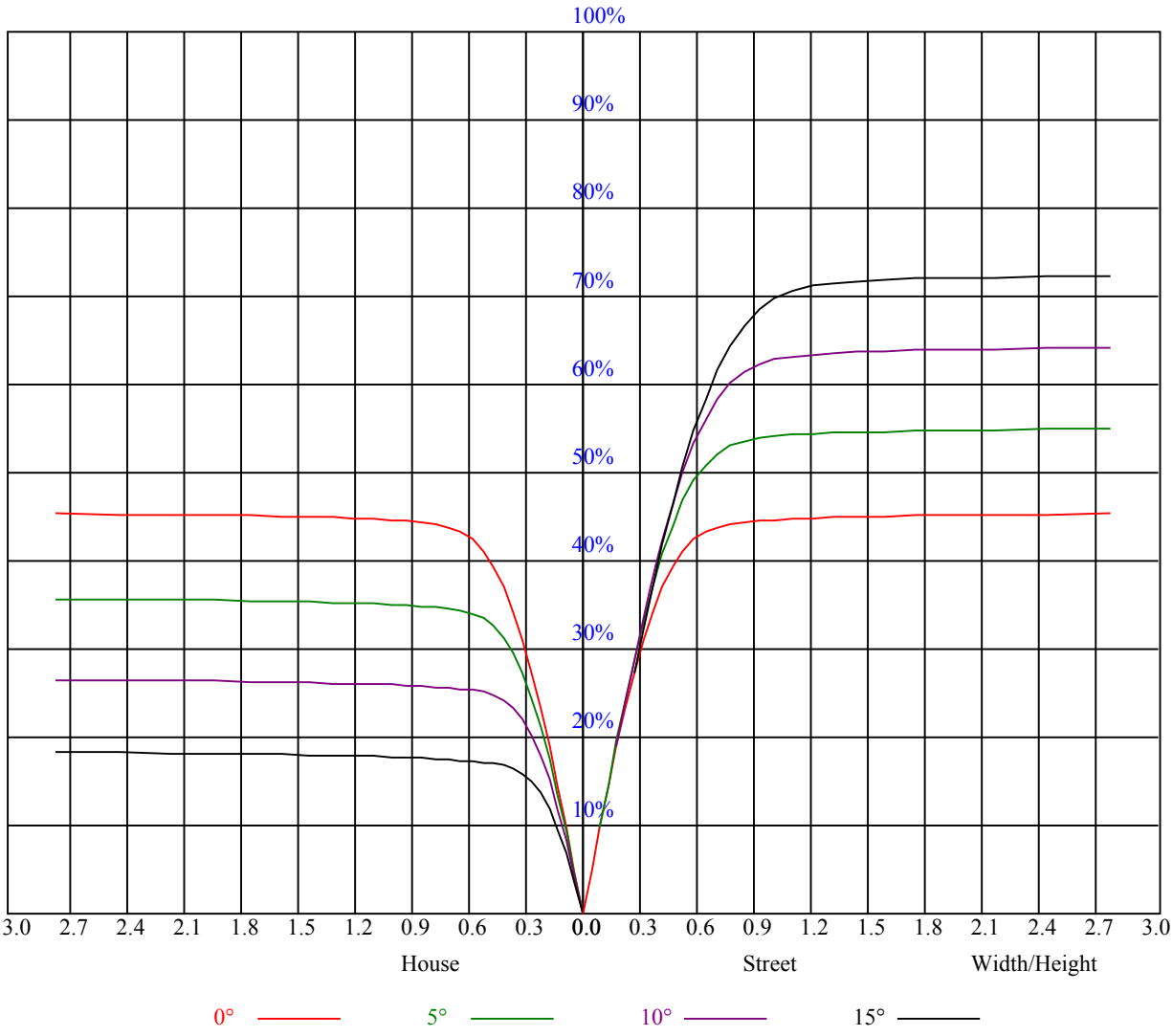


Equipment: GMS1980 Date: 2024/8/3 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

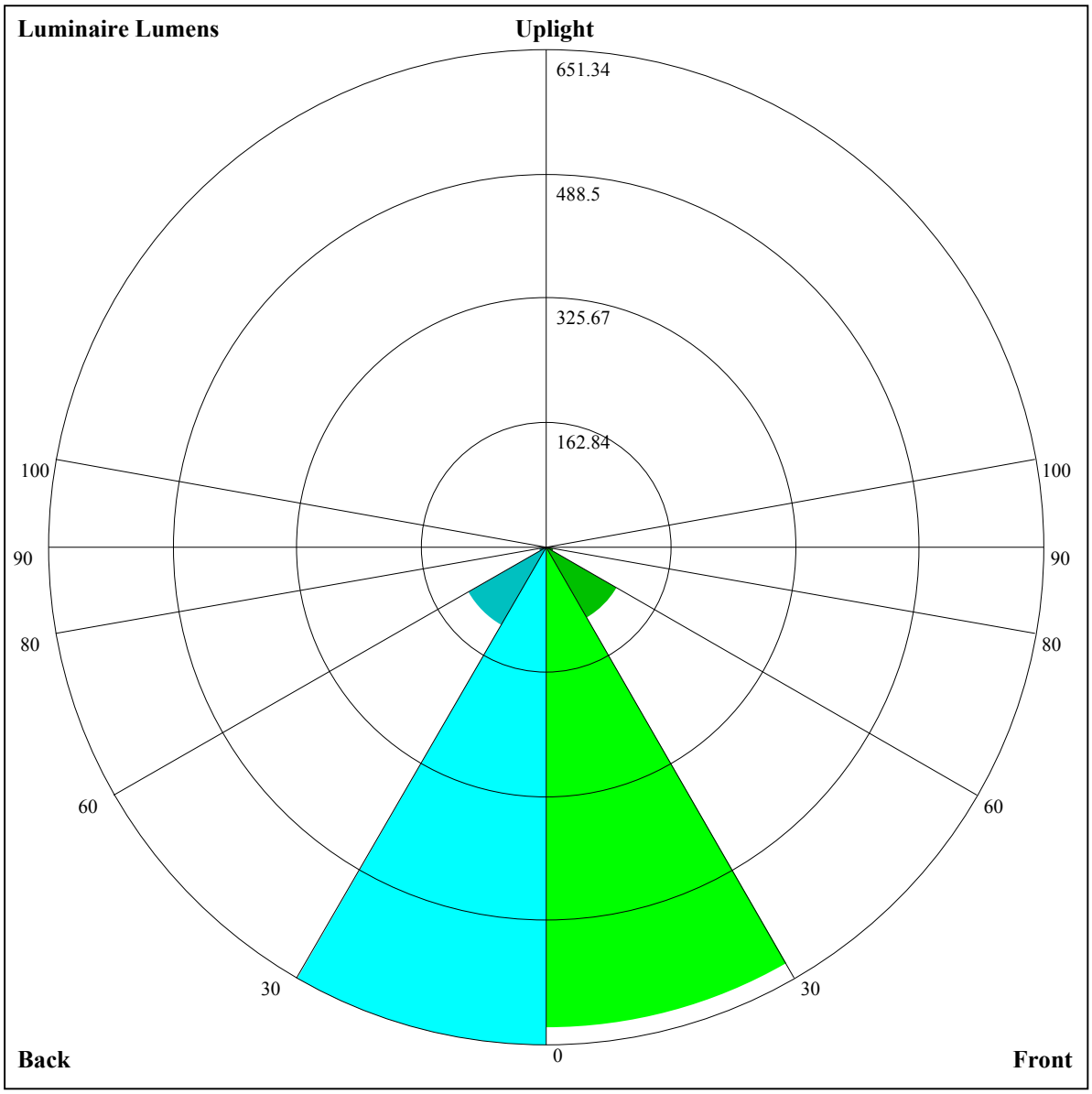
Utilization factor table for indoor luminaire

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	1.09	1.09	1.09	1.06	1.06	1.06	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.01	0.99	0.97	0.99	0.97	0.96	0.96	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
2	0.95	0.91	0.88	0.93	0.90	0.87	0.90	0.88	0.85	0.88	0.85	0.84	0.85	0.83	0.82	0.80
3	0.89	0.85	0.81	0.88	0.84	0.81	0.85	0.82	0.79	0.83	0.81	0.78	0.81	0.79	0.77	0.76
4	0.84	0.79	0.76	0.83	0.79	0.75	0.81	0.77	0.74	0.79	0.76	0.73	0.77	0.75	0.73	0.71
5	0.79	0.74	0.71	0.78	0.74	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.67
6	0.75	0.70	0.66	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.64
7	0.71	0.66	0.63	0.71	0.66	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.61	0.60
8	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.57
9	0.64	0.59	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.62	0.58	0.55	0.54
10	0.61	0.57	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/8/3	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=628.63,FM=107.76,FH=11.39,FVH=4.13
BL=651.34,BM=118.22,BH=11.41,BVH=4.14
UL=0,UH=0

BUG Rating:B2-U0-G0

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	2326.33	2288.29	2260.20	2245.57	2232.11	2211.62	2196.41	2163.05	2139.64
45.0	2337.45	2329.84	2302.92	2270.73	2249.08	2232.11	2222.74	2211.04	2183.53
90.0	2333.94	2305.26	2295.31	2294.73	2282.44	2259.61	2237.96	2215.14	2196.99
135.0	2331.01	2337.45	2325.16	2322.82	2326.33	2329.25	2320.48	2311.11	2276.58
180.0	2326.33	2336.86	2331.01	2316.96	2309.94	2289.46	2278.34	2259.61	2229.77
225.0	2337.45	2320.48	2298.82	2276.58	2256.69	2230.35	2210.45	2192.31	2169.49
270.0	2328.67	2333.94	2311.11	2279.51	2251.42	2229.77	2208.70	2188.80	2148.42
315.0	2331.01	2298.82	2263.12	2247.32	2227.42	2199.92	2170.07	2128.52	2086.39
360.0	2326.33	2288.29	2260.20	2245.57	2232.11	2211.62	2196.41	2163.05	2139.64

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2116.82	2075.85	2036.64	1998.60	1953.54	1914.91	1875.12	1824.20	1763.34
45.0	2159.54	2137.30	2112.72	2080.53	2048.35	2016.16	1978.70	1931.30	1880.97
90.0	2181.19	2150.18	2112.72	2079.95	2041.91	1989.82	1944.76	1892.68	1820.69
135.0	2259.61	2239.13	2213.96	2181.19	2144.32	2106.28	2068.24	2010.31	1957.64
180.0	2213.96	2193.48	2170.66	2144.32	2100.43	2062.39	2025.52	1974.61	1910.23
225.0	2139.06	2099.26	2067.07	2013.82	1965.83	1890.92	1837.67	1788.51	1737.01
270.0	2113.89	2089.90	2061.22	2016.74	1969.93	1928.37	1871.61	1824.79	1764.51
315.0	2059.47	2026.69	1994.51	1950.03	1906.14	1845.27	1802.55	1756.32	1714.77
360.0	2116.82	2075.85	2036.64	1998.60	1953.54	1914.91	1875.12	1824.20	1763.34

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1713.60	1665.61	1602.99	1508.18	1437.37	1270.58	1148.09	1148.09	1031.58
45.0	1837.67	1784.99	1710.09	1642.79	1551.49	1477.75	1394.65	1285.21	1193.33
90.0	1758.07	1680.82	1610.60	1536.27	1433.27	1346.66	1146.34	1146.34	1075.53
135.0	1901.45	1840.01	1760.42	1691.94	1620.55	1543.88	1433.86	1341.39	1248.34
180.0	1849.37	1787.34	1728.81	1645.71	1557.93	1485.36	1379.43	1297.50	1214.40
225.0	1677.31	1621.13	1562.61	1498.23	1412.21	1341.98	1158.34	1158.34	1078.34
270.0	1715.35	1655.66	1590.70	1535.69	1464.29	1397.58	1323.84	1229.62	1150.03
315.0	1649.22	1593.63	1529.84	1466.05	1377.68	1164.07	1164.07	1118.01	1029.47
360.0	1713.60	1665.61	1602.99	1508.18	1437.37	1270.58	1148.09	1148.09	1031.58

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	927.64	817.56	710.52	579.31	481.64	395.20	319.83	241.05	189.55
45.0	1102.04	1001.96	862.09	750.90	643.81	541.98	427.86	351.78	299.69
90.0	955.20	852.61	750.32	647.08	524.83	436.17	338.90	273.89	217.06
135.0	1132.47	1032.40	904.82	800.06	692.96	563.63	467.65	382.21	308.47
180.0	1103.21	1007.82	904.23	770.80	659.61	560.12	464.73	359.97	306.72
225.0	987.39	861.51	753.54	645.68	520.44	430.26	352.72	285.77	215.66
270.0	1061.07	968.02	841.61	733.93	601.67	502.18	412.06	315.49	299.11
315.0	906.10	800.35	691.91	587.62	465.90	380.63	306.13	243.98	180.13
360.0	927.64	817.56	710.52	579.31	481.64	395.20	319.83	241.05	189.55

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	148.30	111.25	89.25	73.27	59.99	52.38	46.41	40.32	36.46
45.0	299.69	164.68	130.21	98.08	80.64	68.30	57.41	50.86	45.65
90.0	160.47	126.99	101.60	78.48	65.90	56.30	49.10	41.90	37.45
135.0	308.47	175.86	135.54	104.99	82.87	64.49	54.66	45.76	40.38
180.0	306.72	177.15	130.51	102.88	82.17	64.32	54.54	47.29	40.61
225.0	171.06	135.71	108.50	83.57	69.64	59.22	52.03	44.95	40.67
270.0	299.11	157.31	118.86	96.33	79.94	67.89	57.18	50.50	45.12
315.0	140.16	110.20	83.69	69.17	56.53	49.39	43.83	39.27	34.65
360.0	148.30	111.25	89.25	73.27	59.99	52.38	46.41	40.32	36.46

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	33.12	29.79	27.51	25.52	23.88	22.00	20.83	19.78	18.84
45.0	40.50	37.10	34.18	31.78	29.03	27.04	25.40	23.94	22.30
90.0	33.83	30.67	27.45	25.40	23.70	21.83	20.60	19.25	18.38
135.0	36.17	31.95	29.09	26.57	24.05	22.41	21.01	19.84	18.55
180.0	36.52	32.48	29.73	27.45	25.46	23.35	22.00	20.78	19.72
225.0	36.23	33.47	31.02	28.27	26.39	24.81	23.23	21.59	20.48
270.0	39.80	36.40	33.53	30.37	28.21	26.34	24.29	22.82	21.48
315.0	31.60	29.03	26.86	24.46	22.82	21.42	20.25	18.90	18.02
360.0	33.12	29.79	27.51	25.52	23.88	22.00	20.83	19.78	18.84

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.79	17.03	16.21	15.63	15.10	14.57	14.22	13.81	13.52
45.0	21.19	19.84	18.79	17.85	16.85	16.15	15.57	14.92	14.34
90.0	17.56	16.74	16.09	15.57	15.04	14.57	14.16	13.75	13.40
135.0	17.73	16.97	16.33	15.68	15.16	14.57	14.16	13.81	13.34
180.0	18.49	17.67	16.91	16.09	15.51	15.04	14.46	14.05	13.69
225.0	19.37	18.43	17.26	16.50	15.86	15.10	14.63	14.10	13.69
270.0	20.07	19.02	18.02	17.15	16.15	15.45	14.86	14.34	13.75
315.0	17.03	16.27	15.51	14.75	14.28	13.93	13.46	13.11	12.82
360.0	17.79	17.03	16.21	15.63	15.10	14.57	14.22	13.81	13.52

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.17	12.87	12.58	12.35	12.06	11.82	11.53	11.24	11.00
45.0	13.87	13.46	13.11	12.70	12.35	12.06	11.70	11.41	11.18
90.0	12.99	12.52	12.23	11.94	11.65	11.29	11.06	10.77	10.53
135.0	13.05	12.70	12.47	12.06	11.82	11.59	11.29	11.00	10.77
180.0	13.28	12.99	12.70	12.41	12.11	11.82	11.53	11.35	11.00
225.0	13.34	12.87	12.52	12.23	11.94	11.59	11.29	11.00	10.71
270.0	13.40	12.99	12.64	12.35	11.94	11.65	11.35	11.06	10.77
315.0	12.52	12.11	11.88	11.59	11.35	11.06	10.89	10.65	10.36
360.0	13.17	12.87	12.58	12.35	12.06	11.82	11.53	11.24	11.00

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.77	10.42	10.24	10.01	9.71	9.48	9.25	9.01	8.72
45.0	10.83	10.59	10.30	10.01	9.77	9.54	9.31	9.01	8.78
90.0	10.30	10.01	9.83	9.54	9.31	9.01	8.84	8.60	8.31
135.0	10.59	10.36	10.07	9.83	9.60	9.31	9.13	8.84	8.66
180.0	10.77	10.53	10.24	10.01	9.77	9.48	9.31	9.13	8.84
225.0	10.42	10.18	9.95	9.66	9.48	9.19	8.95	8.72	8.49
270.0	10.53	10.30	10.07	9.77	9.54	9.31	9.01	8.84	8.60
315.0	10.18	9.83	9.60	9.42	9.19	8.90	8.66	8.54	8.31
360.0	10.77	10.42	10.24	10.01	9.71	9.48	9.25	9.01	8.72

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.54	8.37	8.13	7.96	7.78	7.55	7.37	7.14	6.73
45.0	8.54	8.31	8.08	7.90	7.67	7.49	7.32	7.14	6.91
90.0	8.13	7.90	7.67	7.49	7.32	7.14	7.02	6.91	6.73
135.0	8.43	8.19	8.02	7.78	7.61	7.37	7.20	7.08	6.96
180.0	8.60	8.37	8.19	7.96	7.78	7.61	7.37	7.20	6.96
225.0	8.25	8.08	7.90	7.67	7.49	7.32	7.14	6.96	6.85
270.0	8.31	8.13	7.90	7.72	7.49	7.32	7.14	7.02	6.91
315.0	8.08	7.90	7.67	7.49	7.37	7.20	7.08	6.91	6.73
360.0	8.54	8.37	8.13	7.96	7.78	7.55	7.37	7.14	6.73

Intensity data(cd)

C/γ(°)	90.0
0.0	6.73
45.0	6.73
90.0	6.73
135.0	6.79
180.0	6.79
225.0	6.67
270.0	6.73
315.0	6.67
360.0	6.73