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

NT

Client:
LumCAT: 2-2679-L
Luminaire: 92.70.411.00
Report No: 2024402-B004
Ballast type: AC

Test No: 2024402-C004	Voltage(V): 35.170
LampCAT: LUMILEDS LUXEON 1205	Current(A): 0.485
Lamp flux(lm): 2202.0	Power (W): 17.057
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1868.60, Efficiency(%): 84.86% , Luminous Efficacy(lm/W): 109.55
Central intensity(cd): 6502.786, Maximum intensity(cd): 6502.786
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=23.0
[C90/270]Total=23.0
Field angle(10%Imax): [C0/180]Total=60.0
[C90/270]Total=60.0
Maximum s/h(1/2): C0_180=0.38 C90_270=0.38
Maximum s/h(1/4): C0_180=0.45 C90_270=0.45
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.86%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.896%

Equipment: GMS1980	Date: 2024/4/02	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6502.786	0.000	0	0.00%	0.00%
1.0	6431.608	6.189	6.189	0.28%	0.33%
2.0	6270.671	18.232	24.42	0.83%	1.31%
3.0	6021.804	29.400	53.82	1.34%	2.88%
4.0	5724.803	39.320	93.14	1.79%	4.98%
5.0	5392.834	47.827	140.967	2.17%	7.54%
6.0	5058.231	54.923	195.89	2.49%	10.48%
7.0	4689.979	60.507	256.397	2.75%	13.72%
8.0	4368.251	64.828	321.225	2.94%	17.19%
9.0	4051.718	68.239	389.464	3.10%	20.84%
10.0	3700.217	70.152	459.617	3.19%	24.60%
11.0	3400.874	70.954	530.571	3.22%	28.39%
12.0	3100.800	71.073	601.644	3.23%	32.20%
13.0	2837.449	70.472	672.116	3.20%	35.97%
14.0	2580.828	69.353	741.469	3.15%	39.68%
15.0	2356.248	67.778	809.248	3.08%	43.31%
16.0	2154.711	66.098	875.346	3.00%	46.84%
17.0	1966.561	64.179	939.525	2.91%	50.28%
18.0	1808.989	62.251	1001.776	2.83%	53.61%
19.0	1665.243	60.445	1062.22	2.74%	56.85%
20.0	1529.983	58.482	1120.702	2.66%	59.98%
21.0	1412.901	56.509	1177.211	2.57%	63.00%
22.0	1296.244	54.441	1231.653	2.47%	65.91%
23.0	1198.643	52.349	1284.002	2.38%	68.71%
24.0	1135.190	51.026	1335.028	2.32%	71.45%
25.0	1060.479	49.925	1384.953	2.27%	74.12%
26.0	987.421	48.341	1433.294	2.20%	76.70%
27.0	908.138	46.375	1479.669	2.11%	79.19%
28.0	826.828	43.926	1523.595	1.99%	81.54%
29.0	735.438	40.873	1564.468	1.86%	83.72%
30.0	650.375	37.417	1601.884	1.70%	85.73%
31.0	554.193	33.521	1635.406	1.52%	87.52%
32.0	475.305	29.494	1664.9	1.34%	89.10%
33.0	392.401	25.563	1690.463	1.16%	90.47%
34.0	321.208	21.596	1712.059	0.98%	91.62%
35.0	271.881	18.419	1730.478	0.84%	92.61%
36.0	202.407	15.101	1745.579	0.69%	93.42%
37.0	144.704	11.321	1756.9	0.51%	94.02%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	105.033	8.336	1765.236	0.38%	94.47%
39.0	75.823	6.173	1771.409	0.28%	94.80%
40.0	64.250	4.885	1776.294	0.22%	95.06%
41.0	57.447	4.334	1780.628	0.20%	95.29%
42.0	52.063	3.979	1784.607	0.18%	95.50%
43.0	47.257	3.679	1788.286	0.17%	95.70%
44.0	43.270	3.417	1791.702	0.16%	95.88%
45.0	40.088	3.204	1794.906	0.15%	96.06%
46.0	37.008	3.015	1797.921	0.14%	96.22%
47.0	34.440	2.842	1800.763	0.13%	96.37%
48.0	32.019	2.687	1803.449	0.12%	96.51%
49.0	30.066	2.550	1805.999	0.12%	96.65%
50.0	28.076	2.424	1808.423	0.11%	96.78%
51.0	26.459	2.307	1810.73	0.10%	96.90%
52.0	25.135	2.214	1812.944	0.10%	97.02%
53.0	23.994	2.137	1815.082	0.10%	97.14%
54.0	23.065	2.074	1817.156	0.09%	97.25%
55.0	22.363	2.028	1819.184	0.09%	97.36%
56.0	21.917	2.001	1821.184	0.09%	97.46%
57.0	21.683	1.993	1823.178	0.09%	97.57%
58.0	21.712	2.007	1825.185	0.09%	97.68%
59.0	21.865	2.037	1827.222	0.09%	97.79%
60.0	22.041	2.074	1829.296	0.09%	97.90%
61.0	21.975	2.101	1831.397	0.10%	98.01%
62.0	21.529	2.096	1833.493	0.10%	98.12%
63.0	20.746	2.056	1835.549	0.09%	98.23%
64.0	19.386	1.969	1837.518	0.09%	98.34%
65.0	18.047	1.853	1839.371	0.08%	98.44%
66.0	16.496	1.723	1841.094	0.08%	98.53%
67.0	15.165	1.592	1842.686	0.07%	98.61%
68.0	14.133	1.484	1844.17	0.07%	98.69%
69.0	13.380	1.404	1845.574	0.06%	98.77%
70.0	12.948	1.352	1846.926	0.06%	98.84%
71.0	12.502	1.315	1848.242	0.06%	98.91%
72.0	12.319	1.291	1849.532	0.06%	98.98%
73.0	12.136	1.279	1850.811	0.06%	99.05%
74.0	11.858	1.261	1852.072	0.06%	99.12%
75.0	11.661	1.243	1853.315	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.405	1.224	1854.539	0.06%	99.25%
77.0	11.075	1.199	1855.738	0.05%	99.31%
78.0	10.702	1.166	1856.904	0.05%	99.37%
79.0	10.322	1.130	1858.033	0.05%	99.43%
80.0	9.927	1.092	1859.125	0.05%	99.49%
81.0	9.583	1.055	1860.18	0.05%	99.55%
82.0	9.276	1.023	1861.203	0.05%	99.60%
83.0	9.012	0.994	1862.197	0.05%	99.66%
84.0	8.808	0.971	1863.168	0.04%	99.71%
85.0	8.617	0.951	1864.119	0.04%	99.76%
86.0	8.383	0.929	1865.048	0.04%	99.81%
87.0	8.222	0.909	1865.957	0.04%	99.86%
88.0	8.083	0.893	1866.85	0.04%	99.91%
89.0	7.959	0.879	1867.729	0.04%	99.95%
90.0	7.944	0.872	1868.601	0.04%	100.00%

Zonal flux distribution table

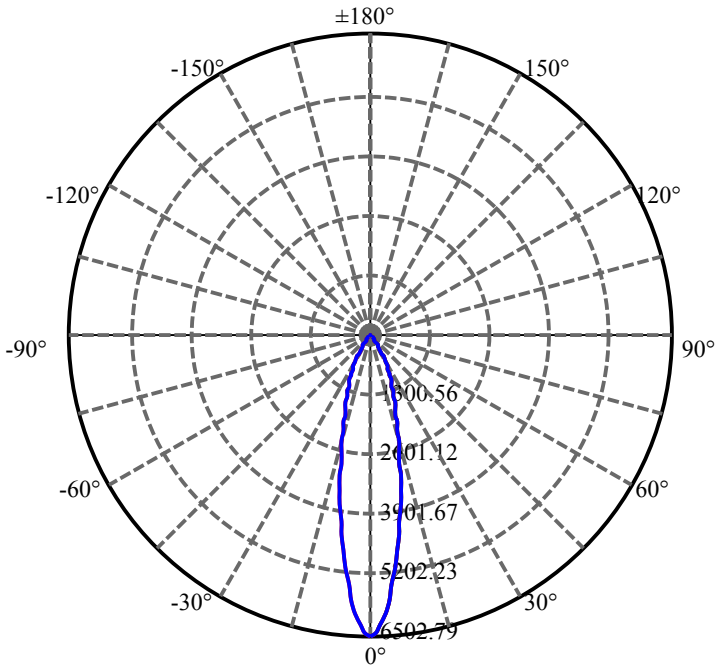
ZONAL LUMEN SUMMARY

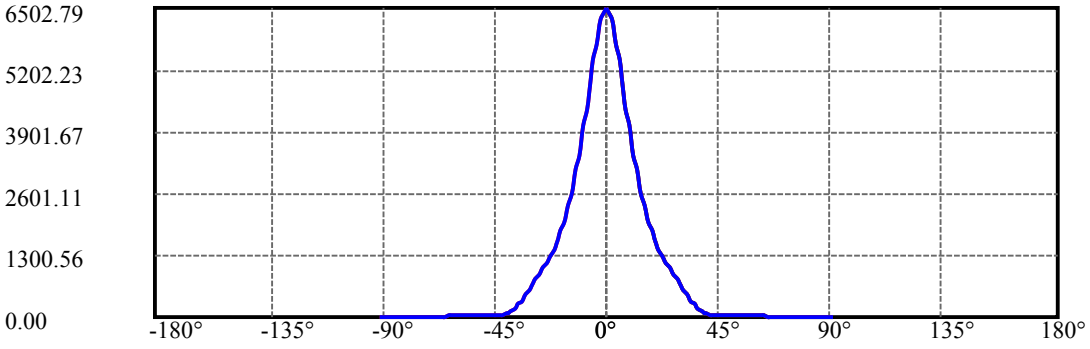
Zone	Lumens	%Lamp	%Fixt
0-30	1601.88	72.75%	85.73%
0-40	1776.29	80.67%	95.06%
0-60	1829.30	83.07%	97.90%
0-90	1867.73	84.82%	99.95%
0-120	1867.73	84.82%	99.95%
0-180	1868.60	84.86%	100.00%
60-90	38.43	1.75%	2.06%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.35	1494.88	67.89%	80.00%

ZONAL LUMEN SUMMARY

0-10	459.62
10-20	661.09
20-30	481.18
30-40	174.41
40-50	32.13
50-60	20.87
60-70	17.63
70-80	12.20
80-90	8.60
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):

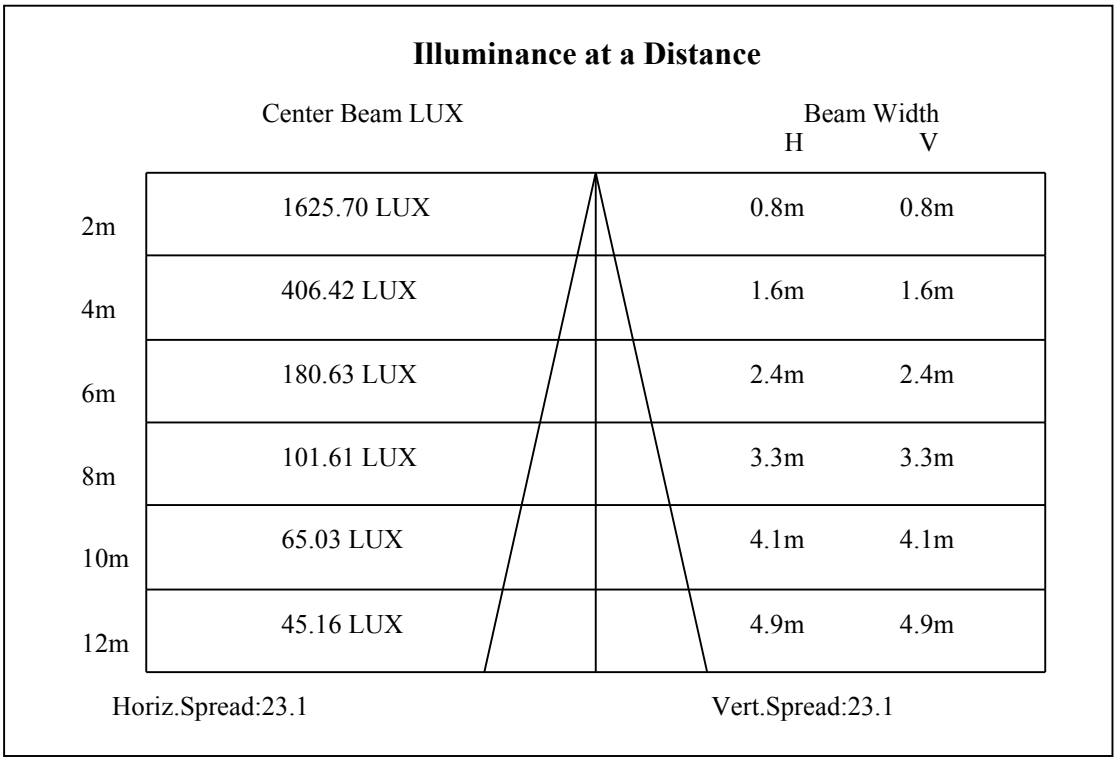
C0/C180:

C90/C270:

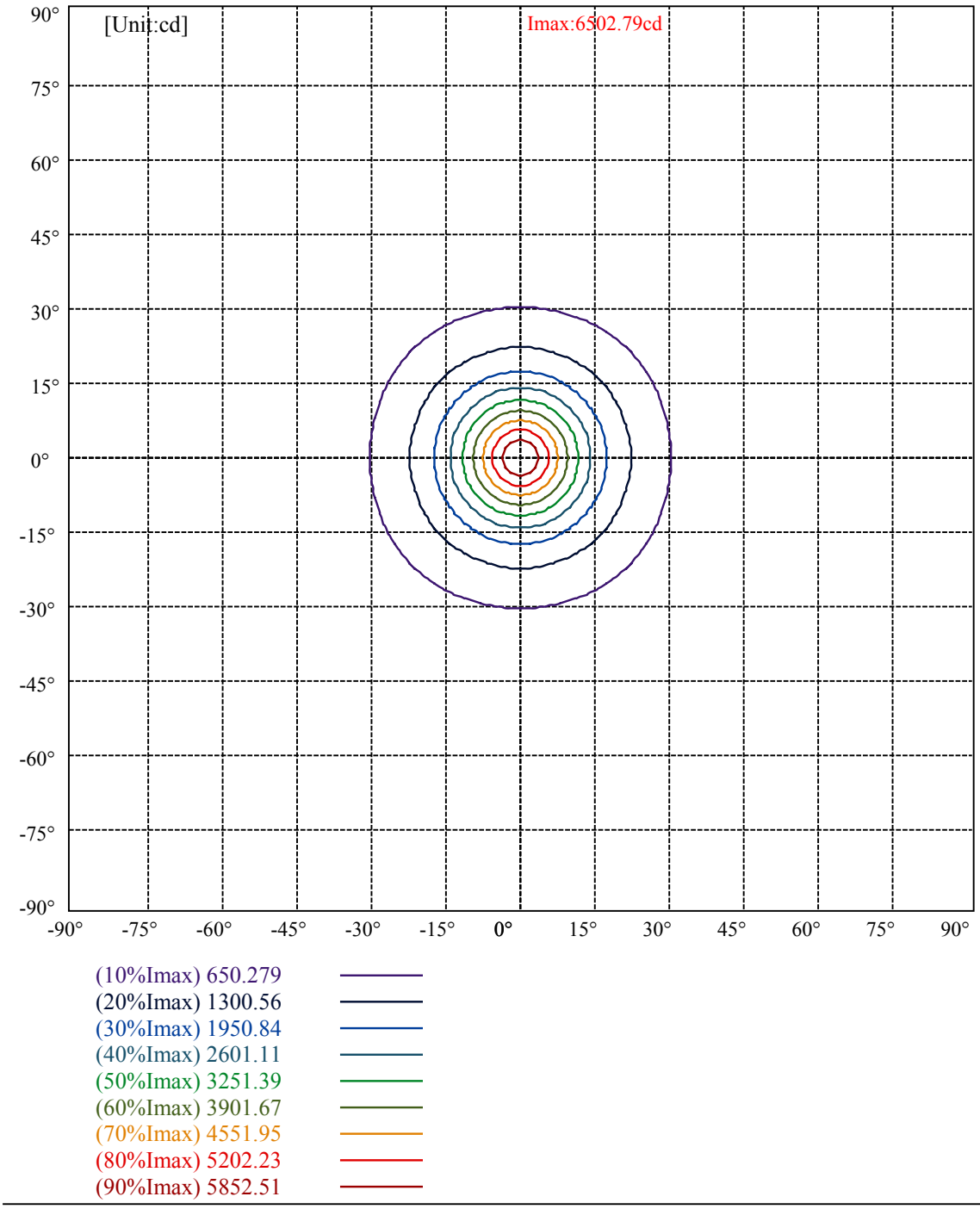
Field angle(10%Imax):C0/180Left:30.0 Right:30.0
:C90/270Left:30.0 Right:30.0

Beam Angle(50%Imax):C0/180Left:11.5 Right:11.5
:C90/270Left:11.5 Right:11.5

Lux distance Curve



ISO-Intensity(V-H)

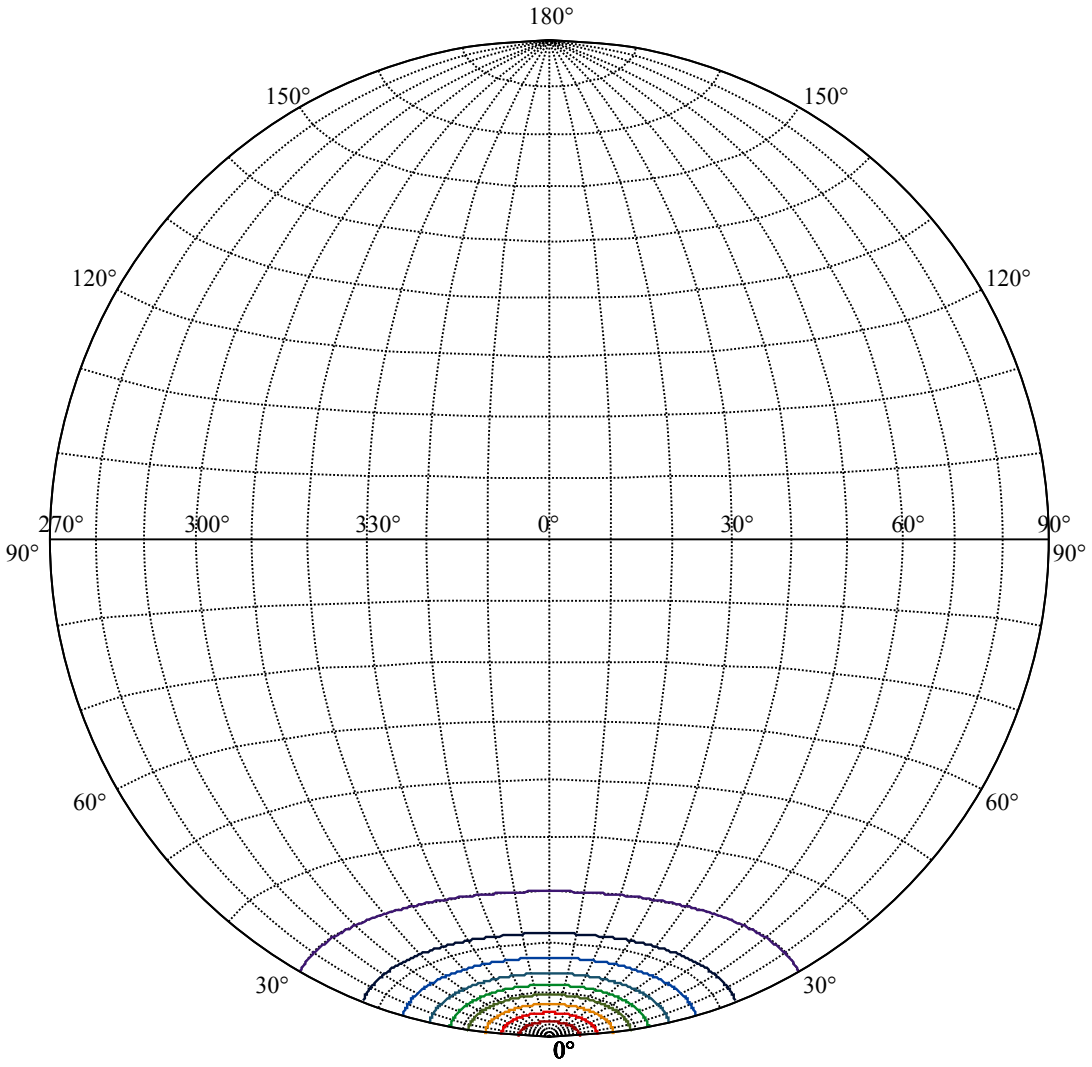


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:6502.79

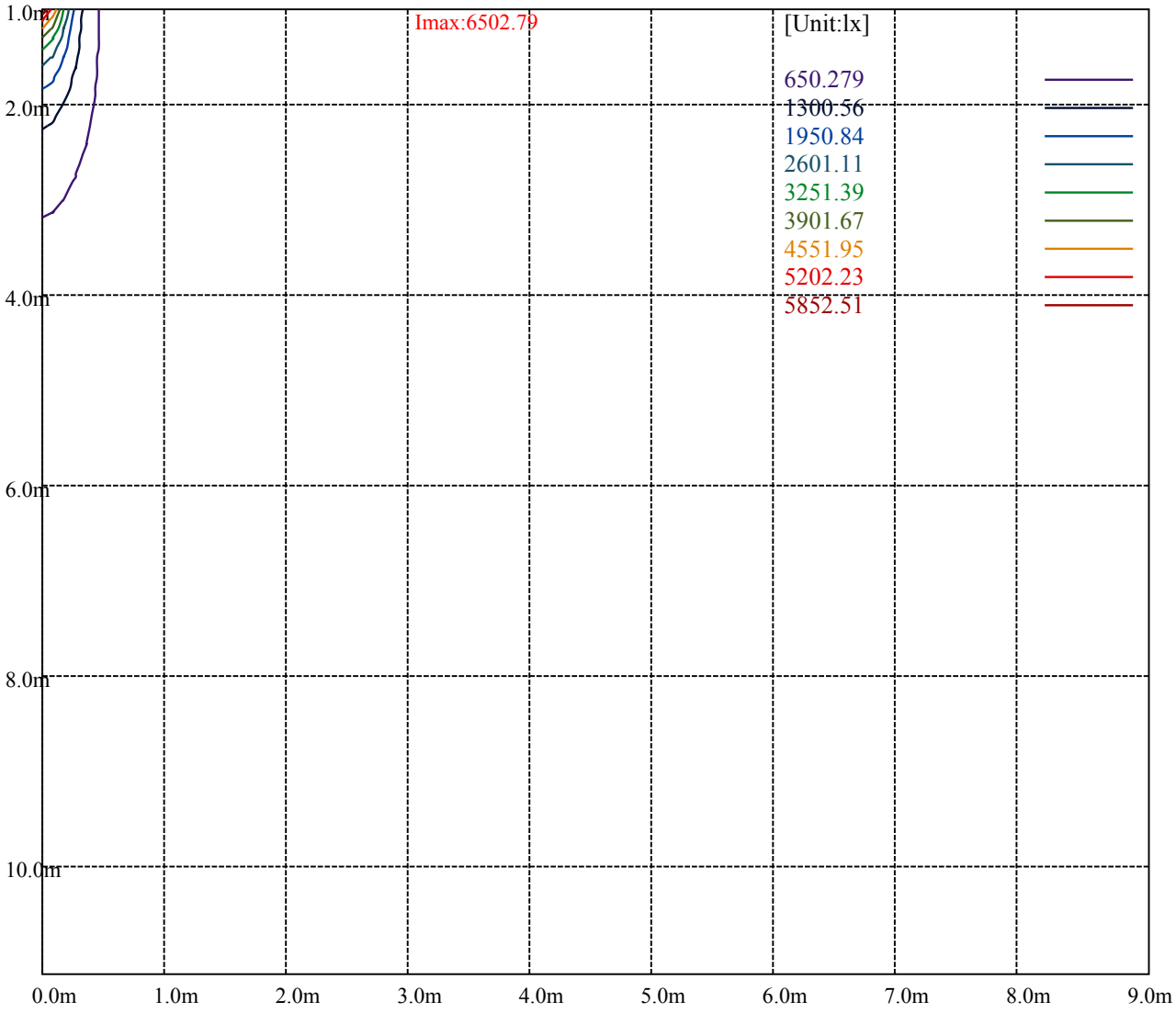
(10%Imax) 650.279
(20%Imax) 1300.56
(30%Imax) 1950.84
(40%Imax) 2601.11
(50%Imax) 3251.39
(60%Imax) 3901.67
(70%Imax) 4551.95
(80%Imax) 5202.23
(90%Imax) 5852.51

Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

NT 2-2679-L

Luminance Limitting Curve(no luminous side)

Luminance Table

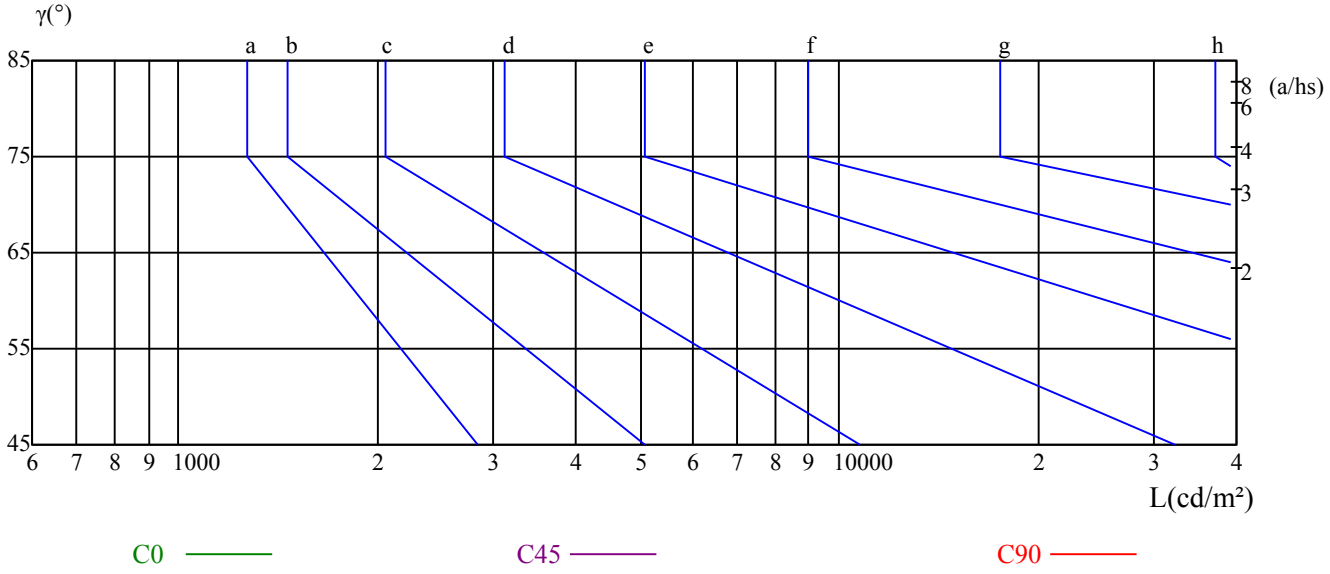
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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



Equipment: GMS1980
Temperature(°C): 25.0

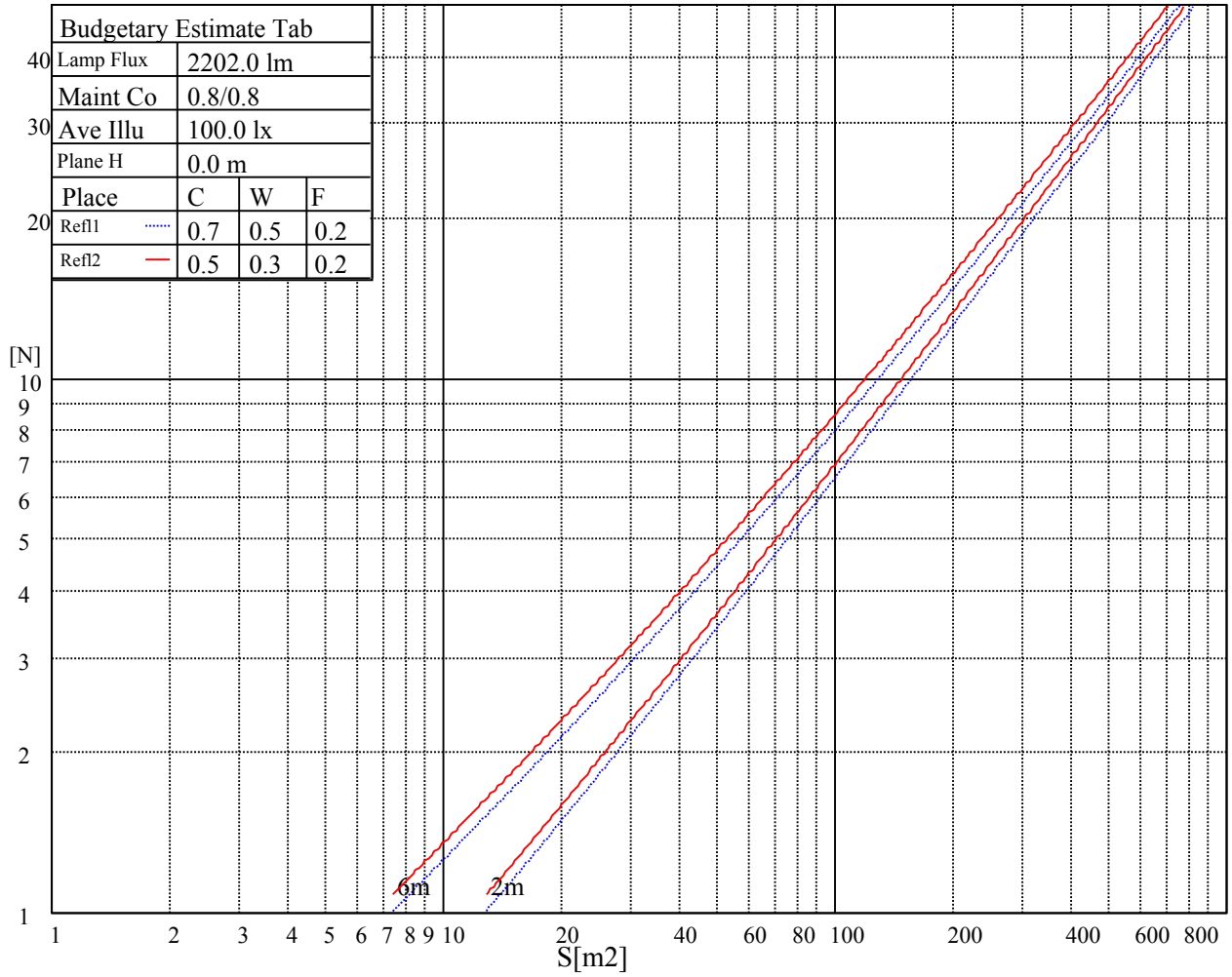
Date: 2024/4/02
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

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 X Y	Viewed crosswise					Viewed endwise				
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
2H 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
2H 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
2H 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
2H 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
2H 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
4H 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 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
4H 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
4H 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
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	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
8H 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 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
8H 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
12H 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
12H 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

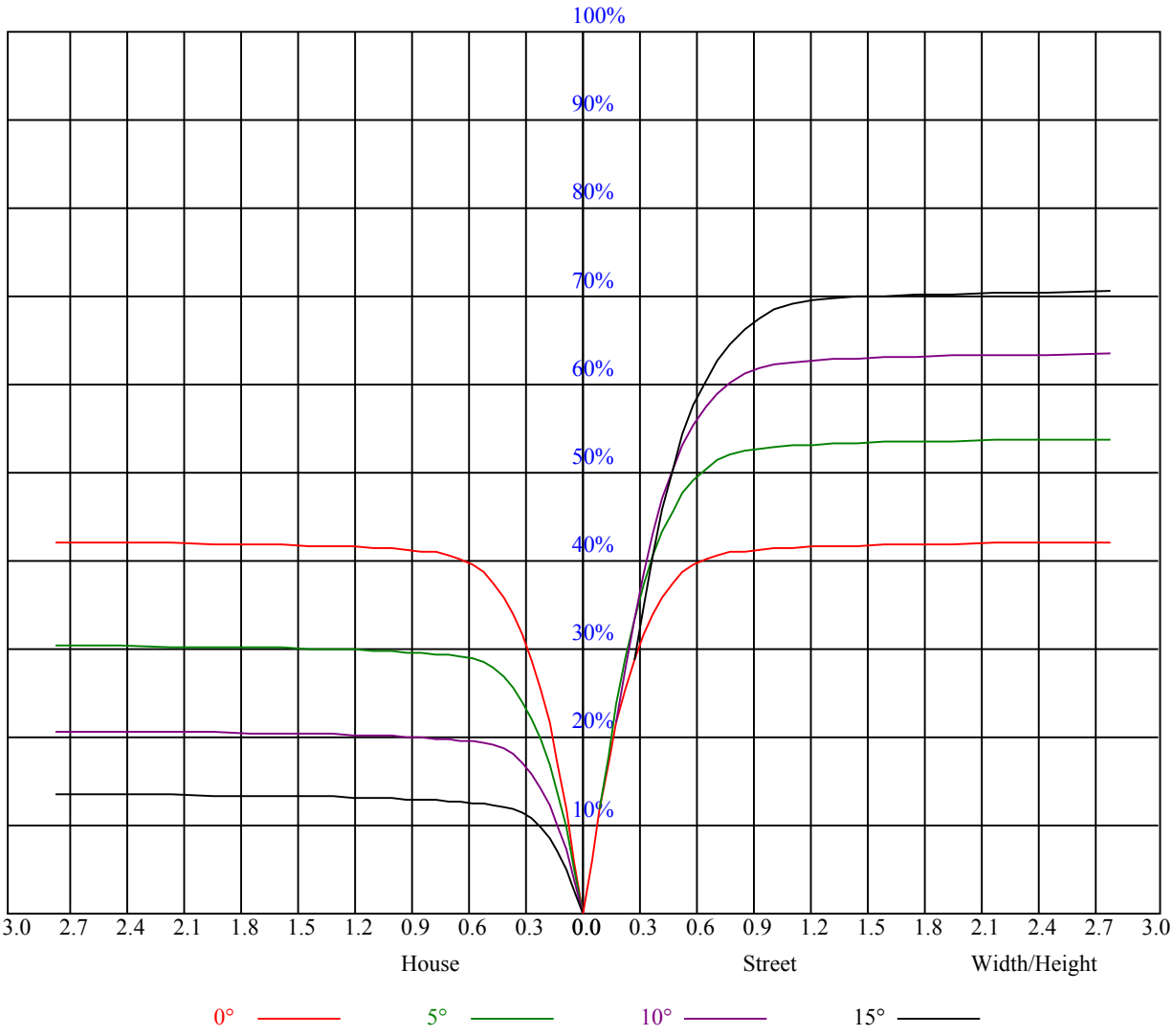


Equipment: GMS1980 Date: 2024/4/02 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

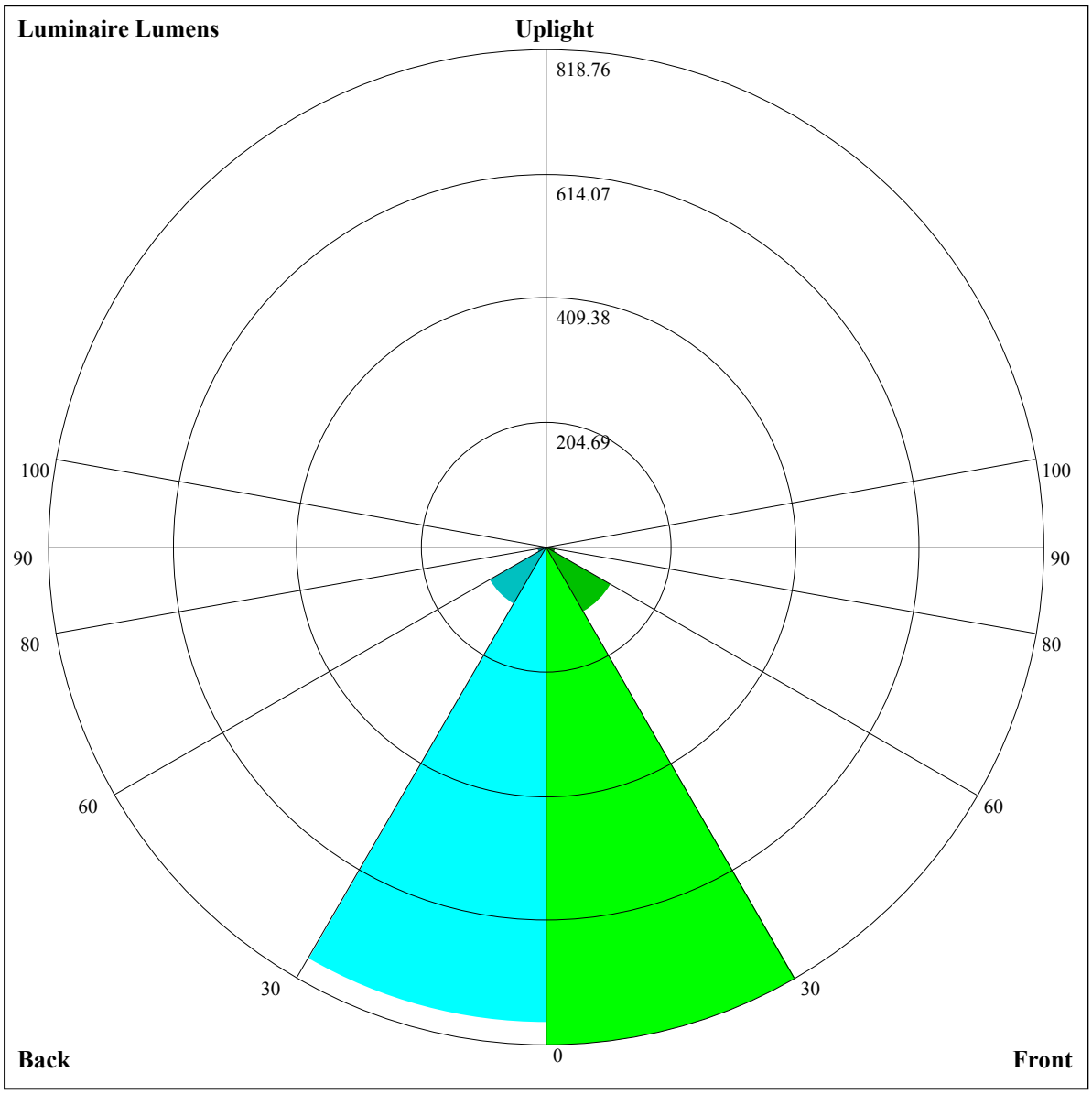
Utilization factor table for indoor luminaire

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

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/02	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=818.76,FM=123.58,FH=14.9,FVH=4.76
BL=781.15,BM=107.64,BH=14.87,BVH=4.74
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	6532.93	6469.72	6301.18	6075.28	5807.25	5423.34	5114.34	4725.75	4417.34
45.0	6453.33	6528.83	6479.67	6292.98	6061.23	5788.52	5418.07	5111.41	4736.87
90.0	6508.35	6393.06	6191.74	5873.38	5588.37	5289.32	4901.90	4588.81	4281.56
135.0	6516.54	6499.57	6373.74	6167.16	5826.56	5525.17	5205.05	4810.02	4493.42
180.0	6532.93	6462.11	6292.98	6047.19	5686.10	5378.86	5048.79	4639.14	4319.02
225.0	6453.33	6229.19	5978.72	5687.86	5373.59	4975.64	4654.94	4328.97	4022.31
270.0	6508.35	6487.28	6356.19	6091.67	5812.51	5512.29	5198.61	4787.78	4472.35
315.0	6516.54	6383.11	6191.15	5938.92	5642.80	5249.53	4924.14	4527.94	4203.14
360.0	6532.93	6469.72	6301.18	6075.28	5807.25	5423.34	5114.34	4725.75	4417.34

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4108.92	3729.11	3434.74	3157.93	2905.12	2621.28	2412.36	2222.16	2049.52
45.0	4433.14	4129.41	3831.53	3469.86	3198.90	2939.64	2703.21	2432.84	2240.89
90.0	3984.86	3615.58	3331.74	3063.71	2817.33	2535.84	2333.35	2151.35	1945.35
135.0	4187.34	3808.12	3515.51	3171.98	2912.72	2671.03	2448.05	2201.67	2027.28
180.0	4011.19	3624.94	3335.84	3058.44	2733.64	2496.63	2285.95	2101.60	1881.56
225.0	3629.62	3334.67	3058.44	2737.16	2500.72	2284.19	2047.76	1879.22	1730.57
270.0	4165.69	3843.23	3465.76	3176.07	2905.12	2649.96	2371.98	2180.61	1949.44
315.0	3892.98	3516.68	3233.43	2971.25	2726.04	2448.05	2247.32	2068.24	1907.89
360.0	4108.92	3729.11	3434.74	3157.93	2905.12	2621.28	2412.36	2222.16	2049.52

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1869.27	1735.25	1617.62	1509.35	1385.87	1164.07	1164.07	1107.77	1037.60
45.0	2069.41	1883.31	1746.37	1626.40	1495.31	1395.23	1303.94	1202.11	1124.28
90.0	1803.14	1642.20	1532.18	1428.01	1273.51	1155.12	1135.98	1063.47	996.99
135.0	1871.61	1732.32	1576.07	1464.29	1363.63	1269.41	1164.07	1089.75	1004.89
180.0	1741.10	1610.60	1485.36	1350.17	1255.37	1170.51	1076.87	1004.89	941.69
225.0	1593.63	1447.91	1279.95	1159.10	1141.31	1063.53	998.98	934.08	840.97
270.0	1794.36	1665.61	1509.94	1398.75	1302.18	1218.50	1121.93	1050.54	984.99
315.0	1729.40	1604.75	1492.38	1367.14	1152.78	1152.78	1115.67	1031.22	967.96
360.0	1869.27	1735.25	1617.62	1509.35	1385.87	1164.07	1164.07	1107.77	1037.60

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	956.32	881.41	807.08	719.71	611.68	531.79	452.96	354.94	281.20
45.0	1054.05	988.50	900.72	817.03	733.93	649.66	545.49	465.31	386.89
90.0	911.55	828.21	746.22	662.42	554.62	475.20	401.00	310.75	243.51
135.0	935.83	855.66	749.15	663.70	580.02	499.26	402.69	332.47	297.35
180.0	844.54	765.53	660.19	570.07	484.04	414.98	326.61	307.30	307.30
225.0	757.46	671.43	565.62	484.68	404.51	316.90	252.88	196.40	136.01
270.0	919.45	821.13	737.44	653.75	537.30	467.65	386.31	299.69	299.69
315.0	885.91	802.75	717.08	631.63	527.46	446.99	371.27	302.80	223.09
360.0	956.32	881.41	807.08	719.71	611.68	531.79	452.96	354.94	281.20

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	216.65	167.08	112.48	80.35	65.95	58.41	52.79	46.99	43.25
45.0	298.52	298.52	219.99	113.83	83.80	70.40	62.27	56.36	51.09
90.0	175.86	131.21	93.81	75.20	66.31	60.10	54.60	49.92	45.18
135.0	297.35	139.11	99.84	78.65	67.94	62.09	56.65	50.91	46.99
180.0	143.73	100.54	77.48	67.89	60.34	55.01	50.33	45.65	42.37
225.0	97.62	74.97	64.26	57.64	52.55	48.05	44.30	40.32	37.57
270.0	221.86	124.59	86.79	69.41	59.63	54.43	49.04	45.12	40.73
315.0	167.67	121.61	85.62	63.61	57.47	51.09	46.53	42.78	38.98
360.0	216.65	167.08	112.48	80.35	65.95	58.41	52.79	46.99	43.25

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	40.20	37.28	34.76	32.13	30.14	28.44	26.57	25.34	24.23
45.0	46.99	42.66	39.56	36.75	34.18	31.43	29.50	27.39	26.04
90.0	41.84	38.86	36.17	33.24	31.25	29.03	27.51	26.16	24.81
135.0	43.66	39.91	37.22	34.82	32.66	30.26	28.56	27.10	25.81
180.0	39.50	36.17	33.71	31.66	29.85	27.74	26.34	25.11	23.99
225.0	34.41	32.19	30.26	28.09	26.57	25.28	23.82	22.94	22.18
270.0	37.75	35.05	32.66	30.14	28.27	26.28	24.93	23.70	22.47
315.0	36.34	33.94	31.19	29.32	27.62	26.16	24.46	23.35	22.41
360.0	40.20	37.28	34.76	32.13	30.14	28.44	26.57	25.34	24.23

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	23.17	22.47	22.06	21.71	21.77	21.95	22.24	22.30	22.00
45.0	24.93	23.70	23.00	22.53	22.24	22.30	22.41	22.53	22.47
90.0	23.94	23.23	22.71	22.53	22.59	22.65	22.77	22.47	21.95
135.0	24.58	23.76	23.06	22.53	22.36	22.36	22.53	22.53	22.12
180.0	22.88	22.24	21.83	21.59	21.59	21.77	21.89	21.71	21.30
225.0	21.65	21.24	21.13	21.24	21.48	21.83	21.71	21.36	20.25
270.0	21.71	21.19	20.78	20.54	20.72	20.89	21.24	21.42	21.13
315.0	21.65	21.07	20.78	20.78	20.95	21.19	21.54	21.48	21.01
360.0	23.17	22.47	22.06	21.71	21.77	21.95	22.24	22.30	22.00

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.42	20.01	18.79	17.26	15.57	14.40	13.52	12.93	12.41
45.0	22.12	21.36	20.13	18.49	17.03	15.63	14.22	13.40	12.76
90.0	21.07	19.49	18.08	16.27	15.04	14.10	13.28	12.82	12.52
135.0	21.54	20.42	19.14	17.26	16.04	14.98	14.10	13.40	13.23
180.0	20.19	18.90	17.56	16.15	14.75	13.99	13.81	14.22	13.34
225.0	19.02	17.15	15.74	14.57	13.69	12.93	12.47	12.17	11.88
270.0	20.48	19.08	17.67	16.15	14.57	13.58	12.82	12.23	11.88
315.0	20.13	18.67	17.26	15.80	14.63	13.46	12.82	12.41	12.00
360.0	21.42	20.01	18.79	17.26	15.57	14.40	13.52	12.93	12.41

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.11	11.76	11.53	11.29	11.00	10.77	10.53	10.30	9.95
45.0	12.41	12.06	11.76	11.47	11.24	11.00	10.77	10.48	10.24
90.0	12.47	12.70	12.41	12.06	12.11	11.53	11.12	10.59	9.95
135.0	13.87	14.22	13.99	14.16	13.46	12.99	12.17	11.47	10.53
180.0	12.87	12.11	11.65	11.29	10.94	10.71	10.48	10.12	9.89
225.0	11.53	11.29	11.06	10.83	10.53	10.30	10.01	9.71	9.48
270.0	11.59	11.41	11.12	10.94	10.83	10.59	10.18	9.95	9.66
315.0	11.70	11.53	11.35	11.24	11.12	10.71	10.36	9.95	9.71
360.0	12.11	11.76	11.53	11.29	11.00	10.77	10.53	10.30	9.95

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.66	9.31	9.01	8.78	8.66	8.49	8.31	8.19	8.02
45.0	9.95	9.60	9.31	9.07	8.84	8.66	8.37	8.25	8.08
90.0	9.54	9.25	8.95	8.78	8.60	8.37	8.25	8.08	7.96
135.0	10.01	9.54	9.25	9.01	8.78	8.43	8.25	8.13	7.96
180.0	9.60	9.31	9.01	8.84	8.66	8.31	8.19	8.02	7.90
225.0	9.19	9.01	8.84	8.66	8.31	8.19	8.08	7.96	7.90
270.0	9.36	9.13	8.90	8.72	8.54	8.31	8.19	8.02	7.96
315.0	9.36	9.07	8.84	8.60	8.54	8.31	8.13	8.02	7.90
360.0	9.66	9.31	9.01	8.78	8.66	8.49	8.31	8.19	8.02

Intensity data(cd)

C/γ(°)	90.0
0.0	8.02
45.0	7.96
90.0	7.96
135.0	7.90
180.0	7.90
225.0	7.96
270.0	7.96
315.0	7.90
360.0	8.02