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NT

Client:
LumCAT: 2-2686-L
Luminaire: 92.70.411.00
Report No: 2024402-B019
Ballast type: AC

Test No: 2024402-C019	Voltage(V): 35.180
LampCAT: LUMILEDS LUXEON 1205	Current(A): 0.485
Lamp flux(lm): 2202.0	Power (W): 17.062
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1867.44, Efficiency(%): 84.81% , Luminous Efficacy(lm/W): 109.45
Central intensity(cd): 11158.760, Maximum intensity(cd): 11158.760
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=17.2
[C90/270]Total=17.2
Field angle(10%Imax): [C0/180]Total=42.4
[C90/270]Total=42.4
Maximum s/h(1/2): C0_180=0.29 C90_270=0.29
Maximum s/h(1/4): C0_180=0.31 C90_270=0.31
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.81%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.108%

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	11158.763	0.000	0	0.00%	0.00%
1.0	11060.884	10.632	10.632	0.48%	0.57%
2.0	10760.737	31.320	41.952	1.42%	2.25%
3.0	10266.368	50.290	92.242	2.28%	4.94%
4.0	9614.940	66.549	158.791	3.02%	8.50%
5.0	8802.867	79.232	238.024	3.60%	12.75%
6.0	7953.266	88.058	326.082	4.00%	17.46%
7.0	6979.232	92.686	418.767	4.21%	22.42%
8.0	6067.744	93.375	512.142	4.24%	27.42%
9.0	5204.464	91.355	603.497	4.15%	32.32%
10.0	4398.463	86.903	690.4	3.95%	36.97%
11.0	3731.161	81.232	771.632	3.69%	41.32%
12.0	3133.280	75.038	846.67	3.41%	45.34%
13.0	2690.045	69.108	915.778	3.14%	49.04%
14.0	2339.934	64.383	980.161	2.92%	52.49%
15.0	2045.932	60.211	1040.373	2.73%	55.71%
16.0	1822.083	56.677	1097.05	2.57%	58.75%
17.0	1633.202	53.808	1150.858	2.44%	61.63%
18.0	1462.741	51.045	1201.903	2.32%	64.36%
19.0	1345.176	48.852	1250.755	2.22%	66.98%
20.0	1210.765	46.781	1297.536	2.12%	69.48%
21.0	1137.114	45.084	1342.62	2.05%	71.90%
22.0	1050.640	43.964	1386.584	2.00%	74.25%
23.0	972.805	42.457	1429.041	1.93%	76.52%
24.0	896.572	40.871	1469.913	1.86%	78.71%
25.0	824.706	39.138	1509.051	1.78%	80.81%
26.0	751.290	37.202	1546.252	1.69%	82.80%
27.0	674.128	34.873	1581.125	1.58%	84.67%
28.0	600.851	32.280	1613.405	1.47%	86.40%
29.0	525.144	29.459	1642.864	1.34%	87.97%
30.0	455.203	26.469	1669.334	1.20%	89.39%
31.0	388.823	23.488	1692.822	1.07%	90.65%
32.0	329.921	20.591	1713.413	0.94%	91.75%
33.0	285.487	18.130	1731.543	0.82%	92.72%
34.0	230.520	15.616	1747.159	0.71%	93.56%
35.0	194.873	13.211	1760.37	0.60%	94.27%
36.0	155.714	11.163	1771.533	0.51%	94.86%
37.0	114.550	8.815	1780.347	0.40%	95.34%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	90.615	6.848	1787.195	0.31%	95.70%
39.0	71.185	5.523	1792.718	0.25%	96.00%
40.0	56.511	4.454	1797.172	0.20%	96.24%
41.0	44.441	3.595	1800.766	0.16%	96.43%
42.0	36.452	2.939	1803.705	0.13%	96.59%
43.0	31.032	2.500	1806.205	0.11%	96.72%
44.0	27.250	2.200	1808.405	0.10%	96.84%
45.0	24.397	1.985	1810.39	0.09%	96.94%
46.0	22.319	1.827	1812.217	0.08%	97.04%
47.0	20.666	1.710	1813.926	0.08%	97.13%
48.0	19.298	1.616	1815.542	0.07%	97.22%
49.0	18.179	1.539	1817.081	0.07%	97.30%
50.0	17.191	1.475	1818.555	0.07%	97.38%
51.0	16.408	1.422	1819.977	0.06%	97.46%
52.0	15.816	1.383	1821.36	0.06%	97.53%
53.0	15.311	1.354	1822.714	0.06%	97.60%
54.0	14.952	1.334	1824.048	0.06%	97.68%
55.0	14.689	1.323	1825.371	0.06%	97.75%
56.0	14.528	1.320	1826.691	0.06%	97.82%
57.0	14.484	1.327	1828.018	0.06%	97.89%
58.0	14.499	1.340	1829.358	0.06%	97.96%
59.0	14.579	1.359	1830.717	0.06%	98.03%
60.0	14.689	1.383	1832.1	0.06%	98.11%
61.0	14.777	1.406	1833.506	0.06%	98.18%
62.0	14.784	1.424	1834.931	0.06%	98.26%
63.0	14.682	1.433	1836.364	0.07%	98.34%
64.0	14.404	1.427	1837.791	0.06%	98.41%
65.0	14.002	1.406	1839.197	0.06%	98.49%
66.0	13.467	1.371	1840.567	0.06%	98.56%
67.0	12.875	1.325	1841.892	0.06%	98.63%
68.0	12.378	1.279	1843.171	0.06%	98.70%
69.0	11.975	1.242	1844.413	0.06%	98.77%
70.0	11.939	1.228	1845.642	0.06%	98.83%
71.0	11.807	1.227	1846.869	0.06%	98.90%
72.0	11.748	1.225	1848.094	0.06%	98.96%
73.0	11.961	1.240	1849.333	0.06%	99.03%
74.0	11.712	1.245	1850.578	0.06%	99.10%
75.0	11.873	1.246	1851.824	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.653	1.249	1853.073	0.06%	99.23%
77.0	11.580	1.239	1854.312	0.06%	99.30%
78.0	11.244	1.222	1855.533	0.06%	99.36%
79.0	10.951	1.193	1856.726	0.05%	99.43%
80.0	10.461	1.154	1857.88	0.05%	99.49%
81.0	9.883	1.100	1858.98	0.05%	99.55%
82.0	9.305	1.041	1860.021	0.05%	99.60%
83.0	8.932	0.991	1861.012	0.05%	99.66%
84.0	8.756	0.964	1861.976	0.04%	99.71%
85.0	8.595	0.947	1862.923	0.04%	99.76%
86.0	8.420	0.930	1863.853	0.04%	99.81%
87.0	8.266	0.913	1864.766	0.04%	99.86%
88.0	8.171	0.900	1865.667	0.04%	99.90%
89.0	8.098	0.892	1866.559	0.04%	99.95%
90.0	8.054	0.886	1867.444	0.04%	100.00%

Zonal flux distribution table

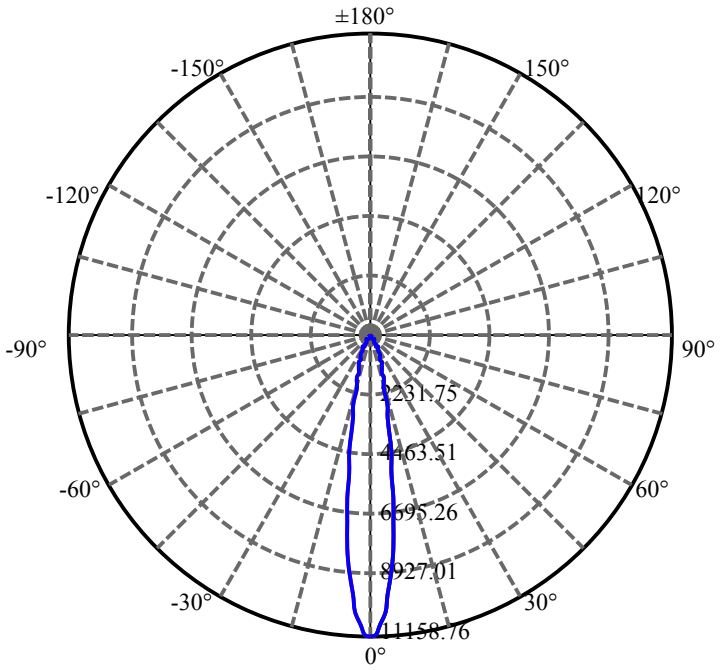
ZONAL LUMEN SUMMARY

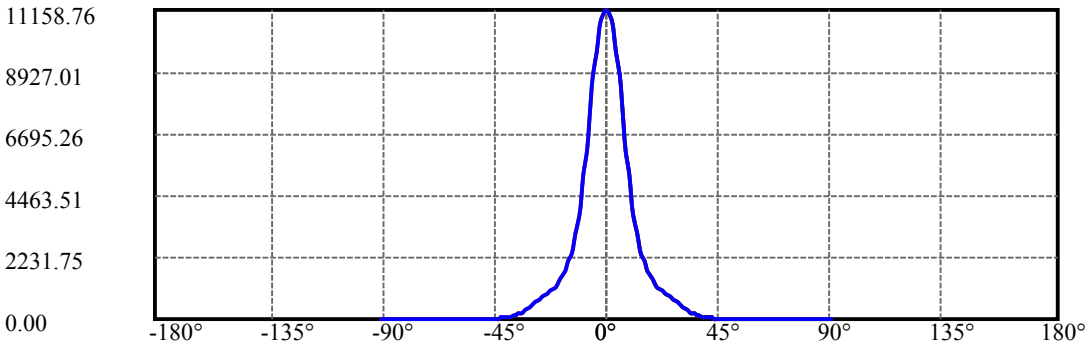
Zone	Lumens	%Lamp	%Fixt
0-30	1669.33	75.81%	89.39%
0-40	1797.17	81.62%	96.24%
0-60	1832.10	83.20%	98.11%
0-90	1866.56	84.77%	99.95%
0-120	1866.56	84.77%	99.95%
0-180	1867.44	84.81%	100.00%
60-90	34.46	1.56%	1.85%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.61	1493.96	67.85%	80.00%

ZONAL LUMEN SUMMARY

0-10	690.40
10-20	607.14
20-30	371.80
30-40	127.84
40-50	21.38
50-60	13.54
60-70	13.54
70-80	12.24
80-90	8.68
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):

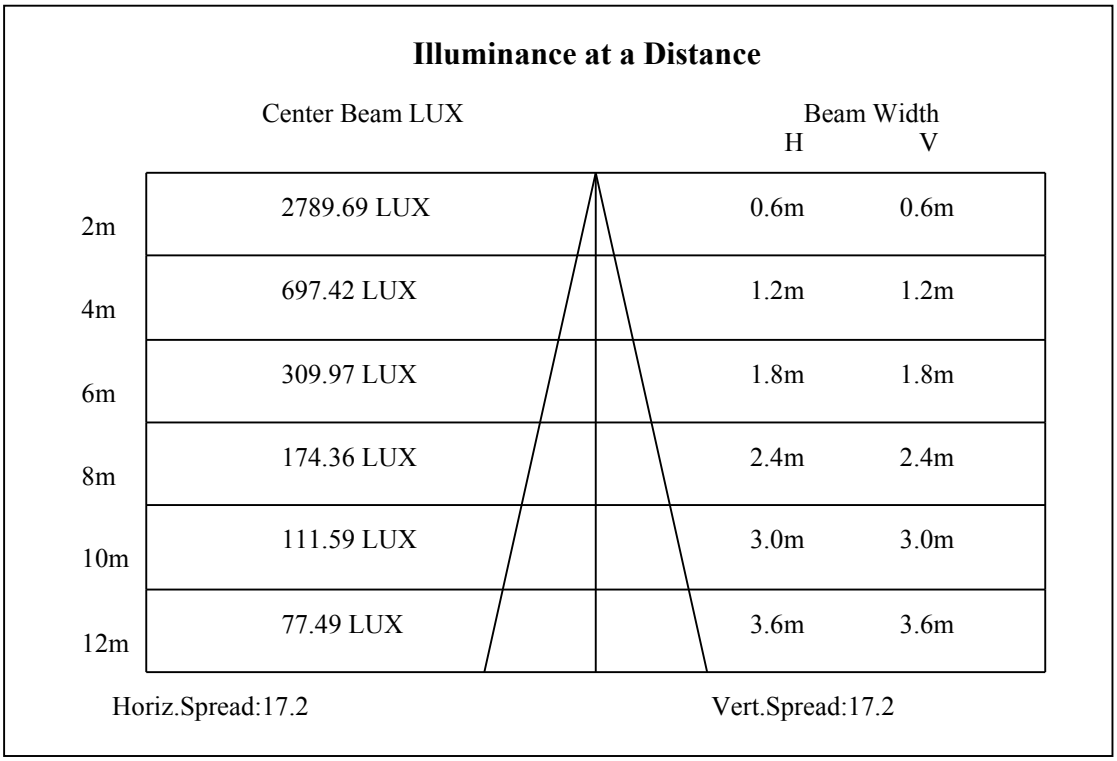
C0/C180:

C90/C270:

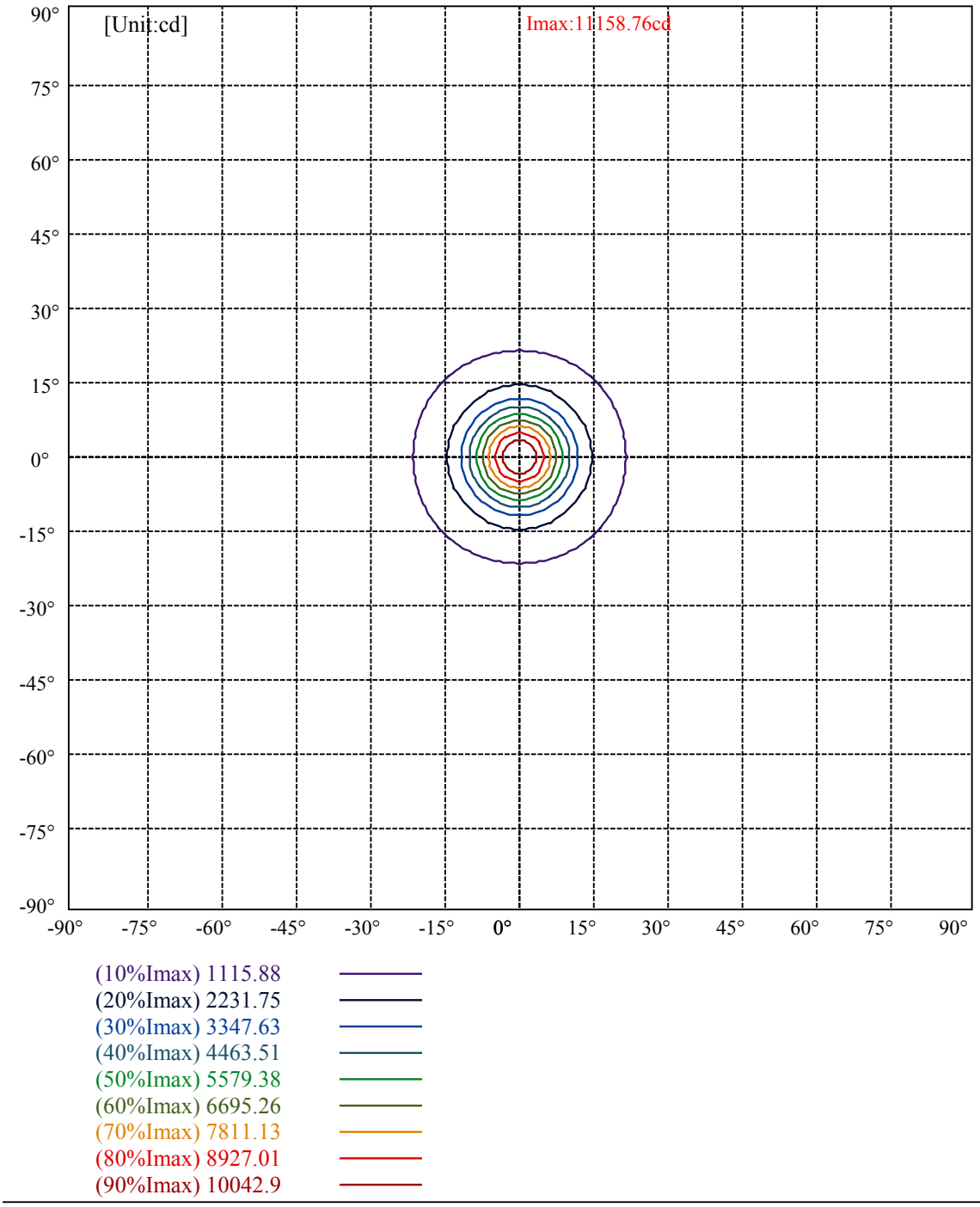
Field angle(10%Imax):C0/180Left:21.2 Right:21.2
:C90/270Left:21.2 Right:21.2

Beam Angle(50%Imax):C0/180Left:8.6 Right:8.6
:C90/270Left:8.6 Right:8.6

Lux distance Curve



ISO-Intensity(V-H)

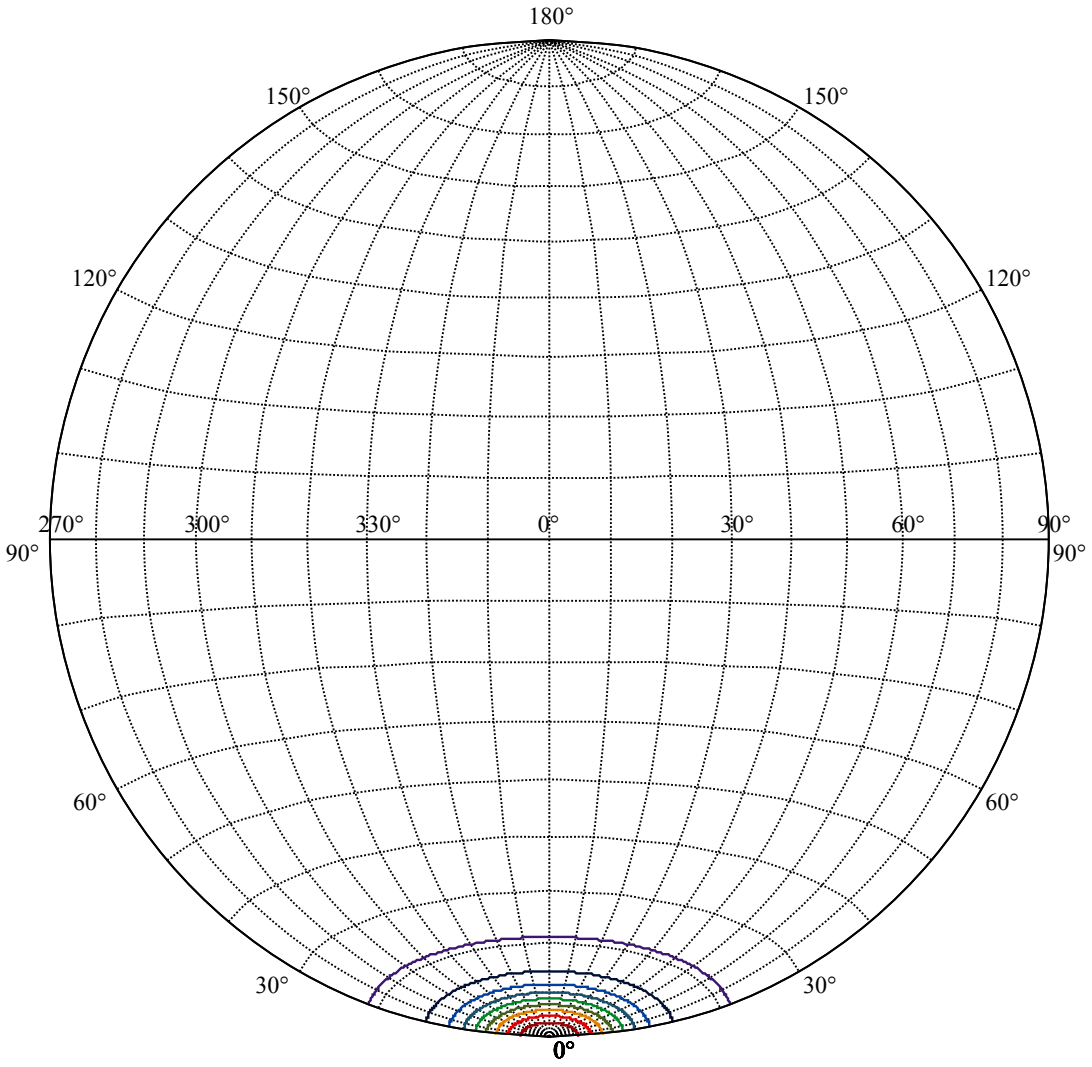


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



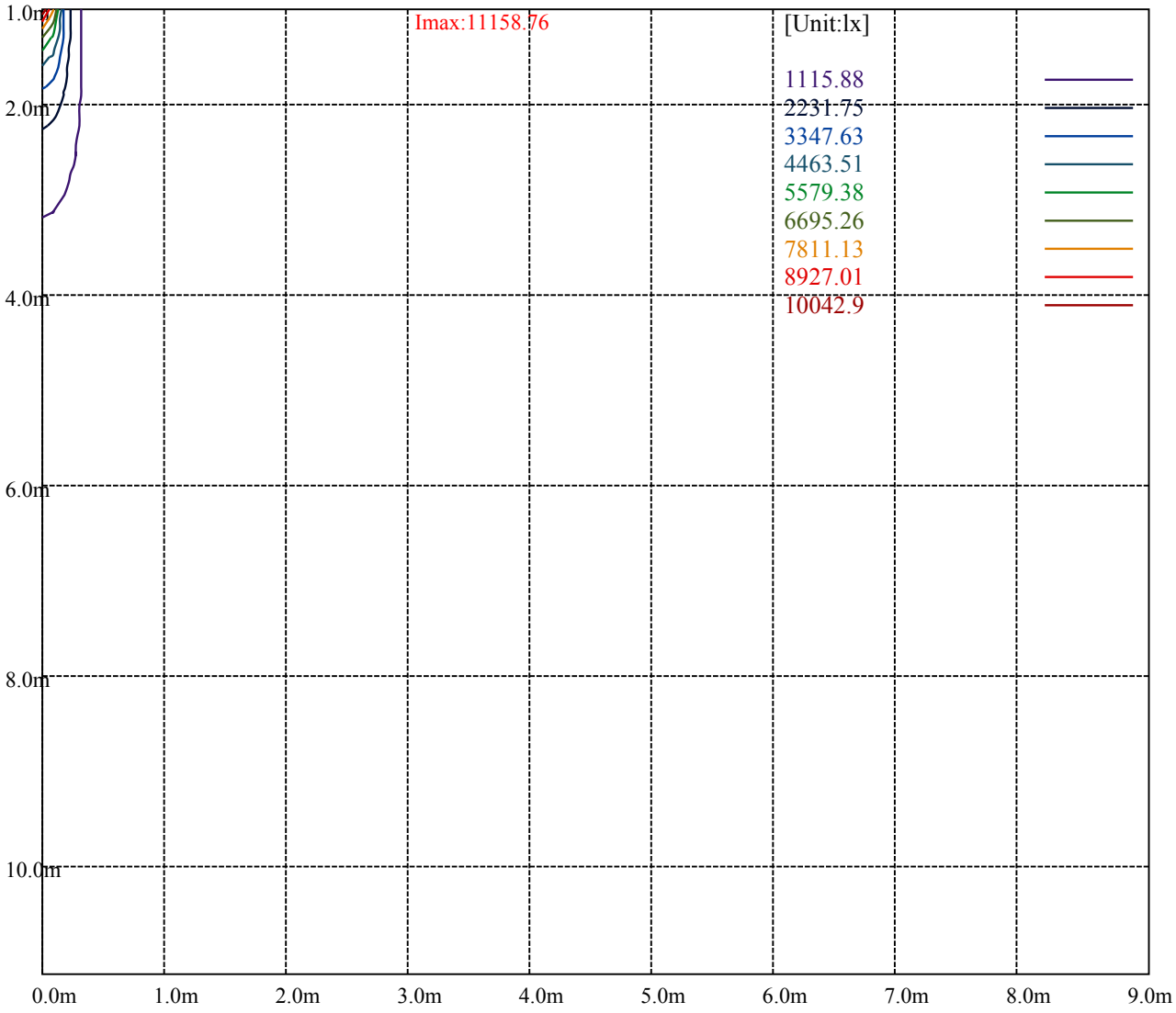
House [Unit:cd] Road

Imax:11158.76

(10%Imax) 1115.88
(20%Imax) 2231.75
(30%Imax) 3347.63
(40%Imax) 4463.51
(50%Imax) 5579.38
(60%Imax) 6695.26
(70%Imax) 7811.13
(80%Imax) 8927.01
(90%Imax) 10042.9

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

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

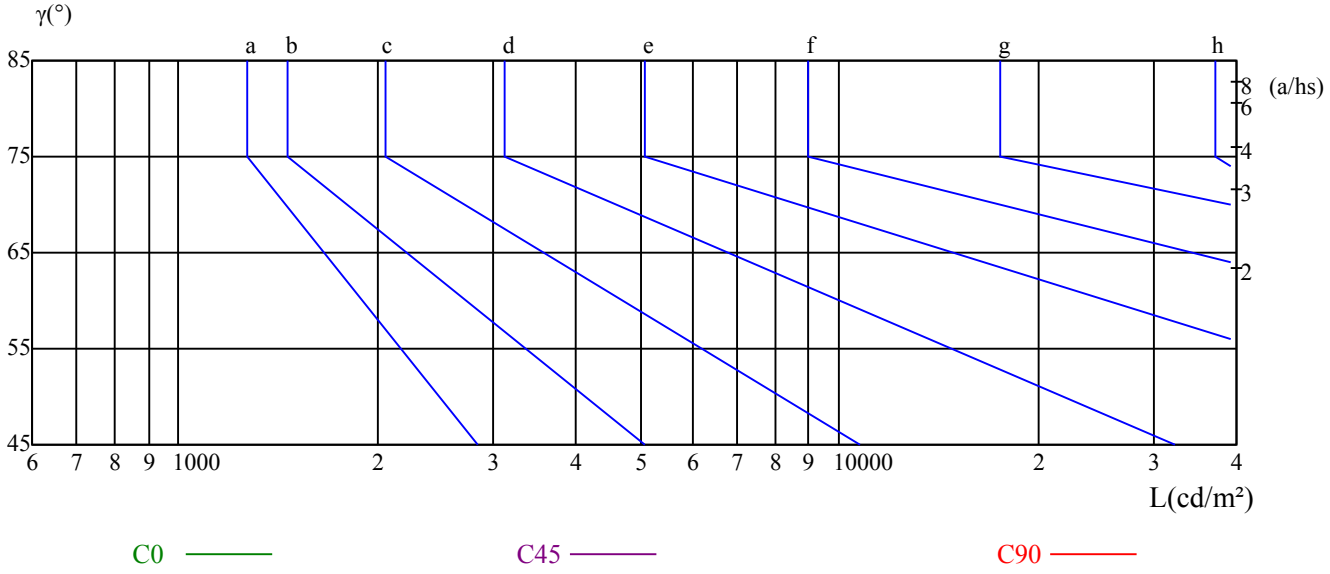
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

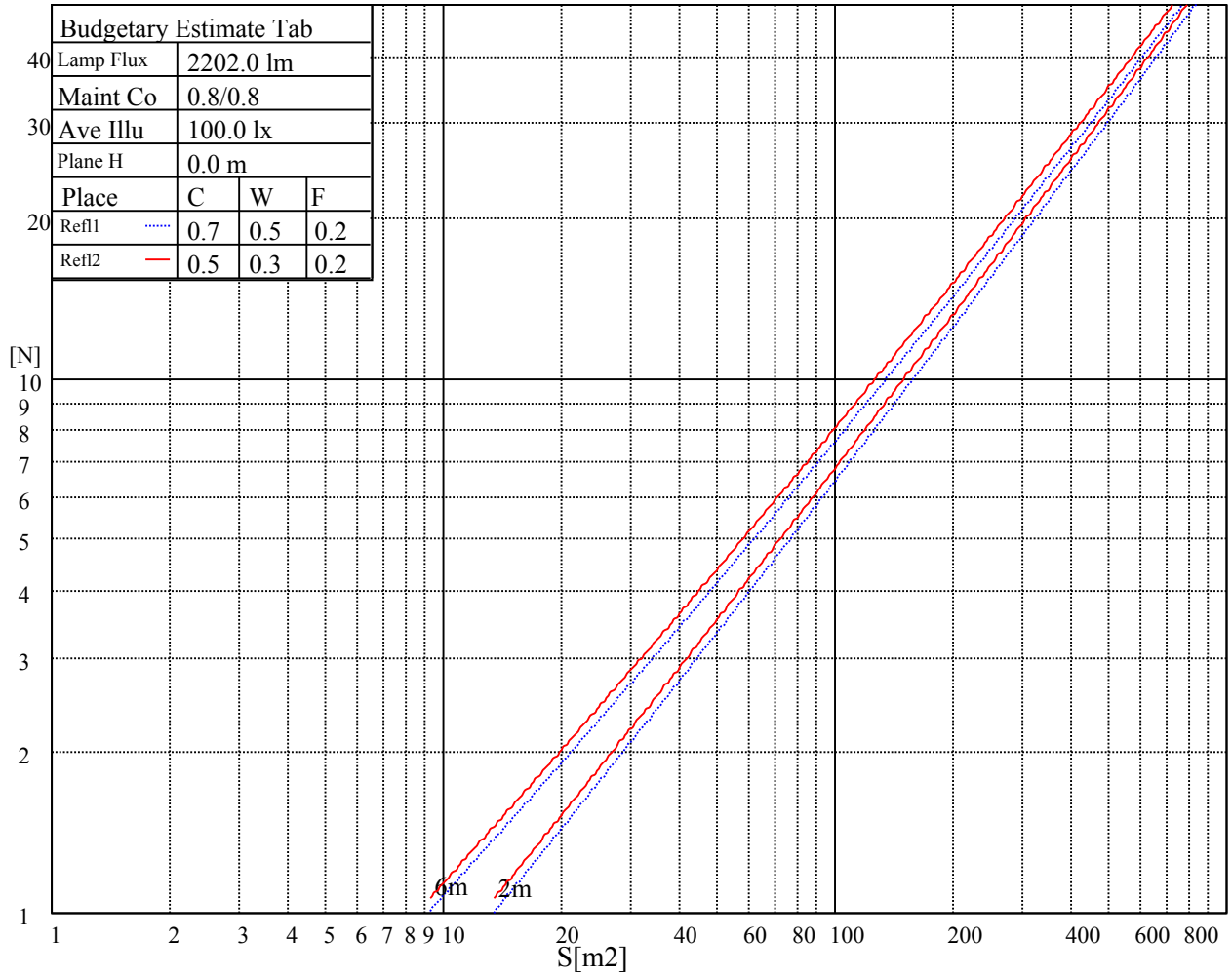
Luminance Limitting Curve



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

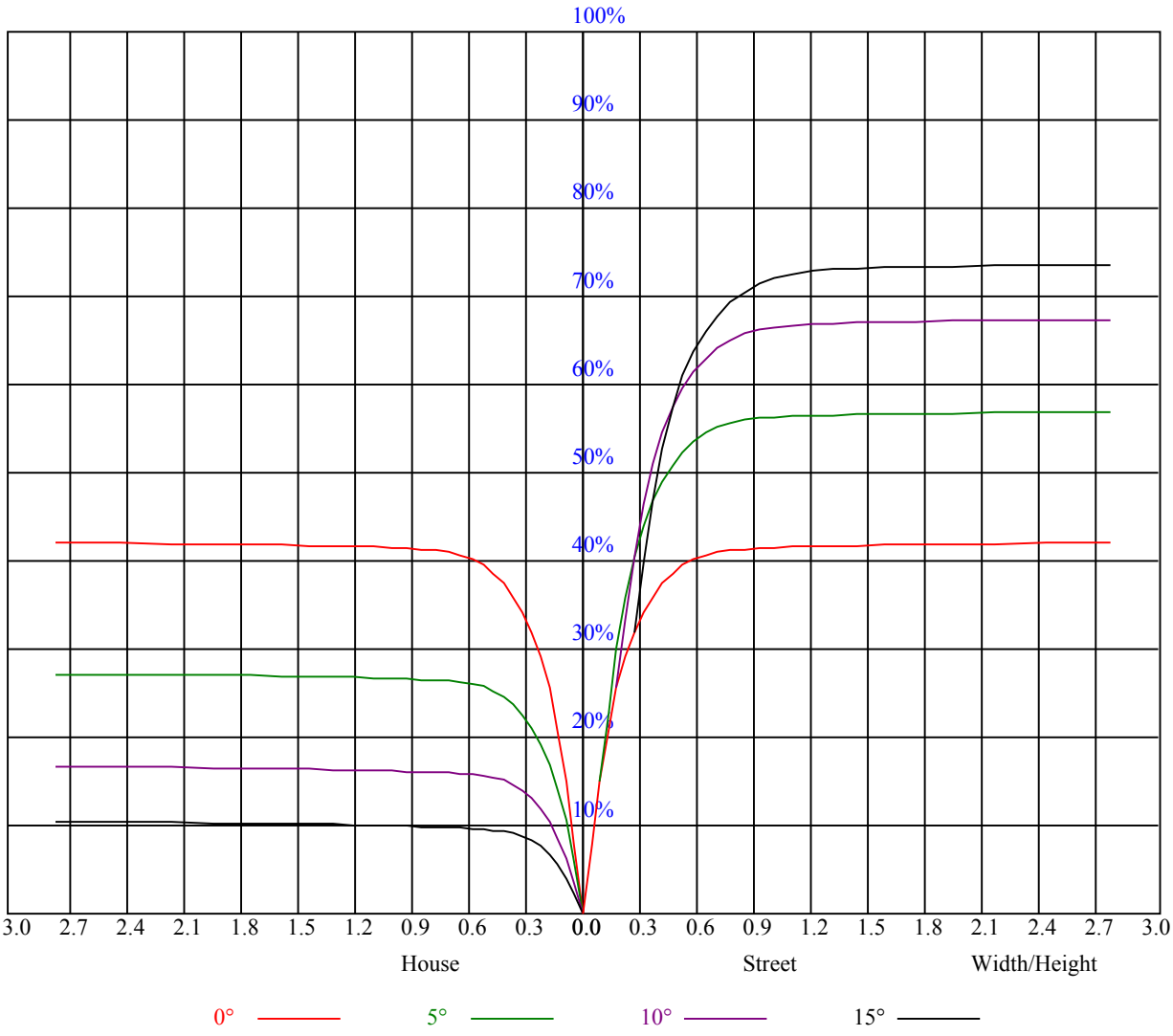


Equipment: GMS1980 Date: 2024/4/02 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

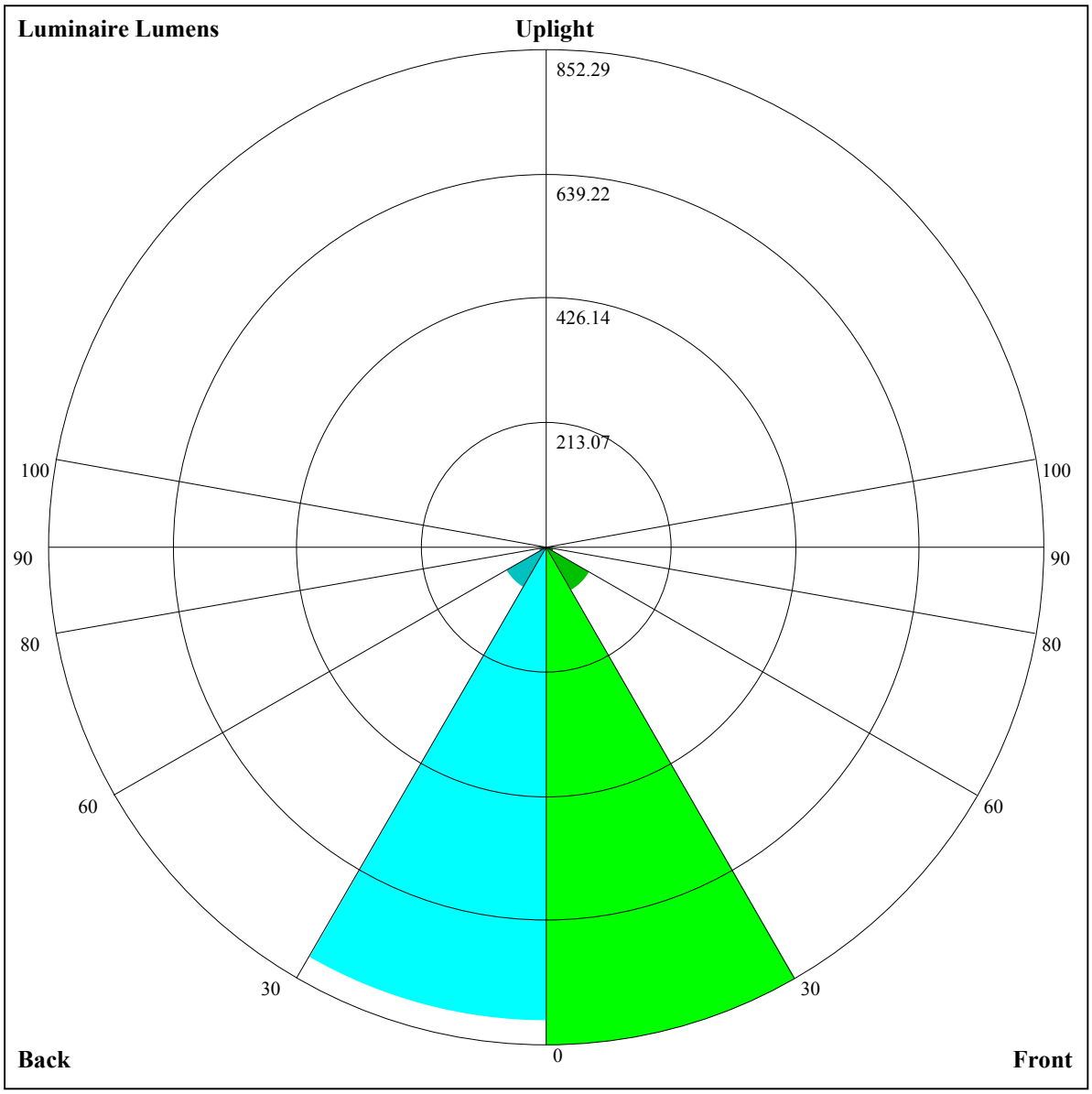
Utilization factor table for indoor luminaire

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	0.92	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	0.90	0.87	0.85	0.89	0.86	0.84	0.86	0.84	0.82	0.84	0.82	0.81	0.81	0.80	0.79	0.78
3	0.86	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.79	0.77	0.76	0.75
4	0.82	0.79	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.78	0.76	0.74	0.77	0.75	0.73	0.72
5	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.74	0.72	0.70	0.69
6	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.72	0.70	0.68	0.67
7	0.73	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.68	0.66	0.65
8	0.71	0.67	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.66	0.64	0.63
9	0.69	0.65	0.63	0.68	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.62	0.61
10	0.67	0.63	0.61	0.66	0.63	0.61	0.66	0.63	0.61	0.65	0.62	0.60	0.65	0.62	0.60	0.59

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=852.29,FM=84.87,FH=13.12,FVH=4.82
BL=812.65,BM=79.58,BH=12.55,BVH=4.75
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	11244.57	11143.91	10856.57	10407.11	9637.54	8858.61	8042.22	7191.30	6127.95
45.0	11060.23	11263.88	11293.73	11071.35	10679.83	10105.14	9419.25	8440.17	7580.48
90.0	11252.76	11234.04	11021.02	10607.85	10046.03	9135.42	8314.94	7236.95	6379.01
135.0	11113.48	11205.36	11116.41	10761.76	10285.39	9475.44	8694.75	7838.56	6745.95
180.0	11244.57	11119.92	10744.20	10243.84	9588.97	8622.18	7766.58	6868.26	5986.91
225.0	10988.24	10593.22	10031.99	9151.81	8358.24	7472.21	6552.24	5444.99	4625.09
270.0	11252.76	11069.00	10723.72	10204.04	9353.71	8598.18	7771.26	6639.44	5769.21
315.0	11113.48	10857.74	10298.26	9683.19	8969.80	8155.75	7064.89	6174.18	5327.36
360.0	11244.57	11143.91	10856.57	10407.11	9637.54	8858.61	8042.22	7191.30	6127.95

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5308.63	4546.67	3864.88	3163.78	2733.64	2393.04	2054.78	1844.10	1635.76
45.0	6720.78	5880.98	4889.61	4180.32	3551.20	3033.86	2541.69	2234.45	1932.47
90.0	5542.14	4563.64	3877.17	3305.41	2820.26	2377.24	2105.11	1882.73	1701.89
135.0	5894.44	5076.30	4337.75	3525.45	3008.12	2601.97	2281.85	1963.49	1769.78
180.0	4962.77	4206.66	3549.45	3019.82	2515.94	2202.26	1966.41	1766.27	1573.14
225.0	3911.12	3187.19	2748.28	2402.99	2124.43	1898.53	1682.00	1538.03	1387.63
270.0	4948.14	4030.50	3418.36	2824.35	2445.13	2149.00	1930.72	1705.40	1559.68
315.0	4347.70	3695.75	3163.78	2644.11	2321.65	2063.56	1804.89	1642.20	1505.26
360.0	5308.63	4546.67	3864.88	3163.78	2733.64	2393.04	2054.78	1844.10	1635.76

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1501.75	1385.87	1156.81	1156.81	1071.61	995.35	926.47	844.83	777.65
45.0	1744.61	1588.94	1433.86	1324.42	1218.50	1126.62	1027.13	956.90	889.60
90.0	1522.81	1405.77	1147.68	1147.68	1083.13	1004.42	935.54	854.19	786.95
135.0	1612.94	1455.51	1344.91	1218.50	1126.62	1046.44	956.32	891.36	820.54
180.0	1452.59	1305.70	1205.62	1111.40	1009.57	937.59	870.87	802.99	716.96
225.0	1146.40	1146.40	1059.78	982.07	914.06	828.09	760.15	690.10	617.76
270.0	1440.88	1323.25	1187.48	1096.18	1014.25	944.61	860.92	790.70	703.50
315.0	1279.95	1149.97	1149.97	1059.84	967.38	899.32	835.17	766.59	697.35
360.0	1501.75	1385.87	1156.81	1156.81	1071.61	995.35	926.47	844.83	777.65

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	708.18	635.03	546.60	475.14	411.71	339.02	284.19	224.49	184.05
45.0	820.54	732.76	663.70	589.97	500.43	438.39	364.07	307.89	295.01
90.0	700.75	628.06	557.25	488.66	411.71	352.66	295.54	243.86	188.79
135.0	750.32	677.16	587.62	517.40	452.44	392.16	321.35	295.01	295.01
180.0	646.73	578.26	507.45	424.35	364.65	310.23	297.35	237.37	165.91
225.0	526.59	462.50	401.76	346.80	281.90	235.38	195.00	151.63	121.79
270.0	631.52	558.36	470.58	408.55	352.95	300.28	300.28	196.40	162.22
315.0	608.40	534.66	466.19	390.75	334.81	271.25	226.13	187.51	146.19
360.0	708.18	635.03	546.60	475.14	411.71	339.02	284.19	224.49	184.05

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	150.05	121.96	93.64	74.91	59.99	48.11	37.86	32.36	28.50
45.0	295.01	160.76	129.86	104.11	83.45	63.09	50.39	40.85	34.12
90.0	152.39	122.43	98.43	75.20	60.75	46.88	38.33	32.48	27.74
135.0	171.65	139.87	112.54	84.57	67.01	50.45	40.97	34.41	30.02
180.0	129.04	104.29	79.12	62.74	49.80	40.44	32.54	28.56	25.69
225.0	97.26	71.92	56.94	45.82	36.05	30.96	27.45	24.81	22.24
270.0	132.61	101.01	79.88	63.03	50.15	38.51	32.30	27.33	24.70
315.0	117.69	94.16	74.50	59.11	44.89	37.10	31.78	27.45	24.99
360.0	150.05	121.96	93.64	74.91	59.99	48.11	37.86	32.36	28.50

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	25.22	23.17	21.42	19.72	18.61	17.67	16.68	16.09	15.63
45.0	28.62	25.81	23.29	21.59	20.19	18.67	17.62	16.80	15.92
90.0	25.28	23.35	21.42	20.07	18.90	17.91	16.85	16.15	15.63
135.0	26.39	24.29	22.41	20.89	19.25	18.20	17.26	16.56	15.80
180.0	23.47	21.19	19.78	18.61	17.62	16.62	15.98	15.33	14.98
225.0	20.60	19.20	18.08	16.97	16.15	15.45	14.98	14.69	14.34
270.0	22.65	20.60	19.31	18.20	17.26	16.33	15.80	15.33	14.92
315.0	22.94	20.95	19.61	18.32	17.44	16.68	16.09	15.57	15.27
360.0	25.22	23.17	21.42	19.72	18.61	17.67	16.68	16.09	15.63

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	15.22	14.98	14.81	14.75	14.81	14.92	15.04	15.10	15.10
45.0	15.45	14.98	14.69	14.40	14.28	14.28	14.28	14.46	14.63
90.0	15.16	14.69	14.46	14.34	14.28	14.34	14.51	14.63	14.75
135.0	15.33	14.92	14.69	14.57	14.51	14.51	14.63	14.81	14.92
180.0	14.63	14.46	14.34	14.34	14.40	14.51	14.63	14.75	14.75
225.0	14.22	14.16	14.16	14.28	14.40	14.57	14.69	14.57	14.40
270.0	14.57	14.46	14.28	14.34	14.40	14.46	14.57	14.63	14.63
315.0	15.04	14.86	14.81	14.86	14.92	15.04	15.16	15.27	15.10
360.0	15.22	14.98	14.81	14.75	14.81	14.92	15.04	15.10	15.10

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.98	14.69	14.28	13.75	13.05	12.58	12.64	13.87	13.87
45.0	14.75	14.75	14.63	14.28	13.69	13.17	12.58	11.94	11.53
90.0	14.75	14.57	14.16	13.69	13.11	12.41	11.88	11.53	11.24
135.0	14.98	14.86	14.63	14.10	13.58	13.05	12.41	12.06	12.11
180.0	14.57	14.22	13.81	13.17	12.58	12.06	11.70	11.94	11.70
225.0	14.10	13.52	12.99	12.41	11.82	11.41	11.00	10.77	10.59
270.0	14.46	14.16	13.69	13.05	12.47	12.00	11.59	11.18	10.94
315.0	14.86	14.46	13.81	13.28	12.70	12.35	12.00	12.23	12.47
360.0	14.98	14.69	14.28	13.75	13.05	12.58	12.64	13.87	13.87

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.28	14.86	13.28	14.22	12.99	13.05	12.29	12.06	11.65
45.0	11.18	10.94	10.65	10.53	10.36	10.24	10.01	9.89	9.66
90.0	11.18	11.65	11.76	11.53	11.88	11.41	11.29	10.83	10.24
135.0	12.52	12.70	12.93	13.23	12.93	12.99	12.29	12.17	11.70
180.0	11.59	11.18	10.89	10.65	10.24	10.01	9.89	9.66	9.42
225.0	10.42	10.24	10.07	9.95	9.77	9.60	9.42	9.25	9.13
270.0	10.83	10.65	10.71	11.06	11.29	11.35	11.24	10.59	10.01
315.0	12.99	13.46	13.40	13.81	13.75	13.99	13.52	13.17	11.88
360.0	13.28	14.86	13.28	14.22	12.99	13.05	12.29	12.06	11.65

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.65	9.60	9.01	8.84	8.66	8.60	8.31	8.19	8.19
45.0	9.48	9.36	9.13	9.01	8.84	8.66	8.43	8.31	8.19
90.0	9.66	9.13	9.01	8.78	8.60	8.49	8.31	8.25	8.13
135.0	11.41	10.48	9.25	8.90	8.72	8.43	8.43	8.25	8.13
180.0	9.19	8.90	8.78	8.60	8.49	8.25	8.13	8.13	7.96
225.0	8.90	8.78	8.60	8.49	8.31	8.19	8.08	8.02	8.02
270.0	9.48	9.01	8.78	8.66	8.54	8.37	8.19	8.13	8.08
315.0	10.30	9.19	8.90	8.78	8.60	8.37	8.25	8.08	8.08
360.0	10.65	9.60	9.01	8.84	8.66	8.60	8.31	8.19	8.19

Intensity data(cd)

C/γ(°)	90.0
0.0	8.02
45.0	8.13
90.0	8.08
135.0	8.08
180.0	7.96
225.0	8.02
270.0	8.08
315.0	8.08
360.0	8.02