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NT

Client:
LumCAT: 2-2687-L
Luminaire: 92.70.411.00
Report No: 2024408-B008
Ballast type: AC

Test No: 2024408-C008	Voltage(V): 34.890
LampCAT: Fortimo_SLM_C_1205	Current(A): 0.401
Lamp flux(lm): 2378.0	Power (W): 13.990
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1997.59, Efficiency(%): 84.00% , Luminous Efficacy(lm/W): 142.79
Central intensity(cd): 8352.390, Maximum intensity(cd): 8352.390
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=21.4
[C90/270]Total=21.4
Field angle(10%Imax): [C0/180]Total=53.8
[C90/270]Total=53.8
Maximum s/h(1/2): C0_180=0.36 C90_270=0.36
Maximum s/h(1/4): C0_180=0.40 C90_270=0.40
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.00%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.939%

Equipment: GMS1980	Date: 2024/4/08	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	8352.390	0.000	0	0.00%	0.00%
1.0	8298.183	7.967	7.967	0.34%	0.40%
2.0	8160.070	23.622	31.589	0.99%	1.58%
3.0	7918.592	38.455	70.044	1.62%	3.51%
4.0	7554.948	51.795	121.839	2.18%	6.10%
5.0	7093.863	63.018	184.858	2.65%	9.25%
6.0	6590.277	71.914	256.771	3.02%	12.85%
7.0	6046.823	78.438	335.21	3.30%	16.78%
8.0	5515.073	82.746	417.956	3.48%	20.92%
9.0	4984.127	85.090	503.046	3.58%	25.18%
10.0	4490.051	85.738	588.784	3.61%	29.47%
11.0	4017.336	85.006	673.79	3.57%	33.73%
12.0	3594.218	83.205	756.996	3.50%	37.90%
13.0	3211.188	80.763	837.759	3.40%	41.94%
14.0	2850.763	77.592	915.351	3.26%	45.82%
15.0	2568.831	74.403	989.754	3.13%	49.55%
16.0	2300.139	71.344	1061.098	3.00%	53.12%
17.0	2071.170	68.073	1129.171	2.86%	56.53%
18.0	1879.509	65.138	1194.309	2.74%	59.79%
19.0	1720.035	62.625	1256.934	2.63%	62.92%
20.0	1569.120	60.201	1317.134	2.53%	65.94%
21.0	1412.053	57.245	1374.379	2.41%	68.80%
22.0	1267.619	53.849	1428.228	2.26%	71.50%
23.0	1198.394	51.744	1479.971	2.18%	74.09%
24.0	1116.719	50.617	1530.588	2.13%	76.62%
25.0	1028.409	48.776	1579.364	2.05%	79.06%
26.0	933.880	46.320	1625.684	1.95%	81.38%
27.0	829.235	43.135	1668.819	1.81%	83.54%
28.0	720.405	39.234	1708.052	1.65%	85.51%
29.0	619.219	35.048	1743.101	1.47%	87.26%
30.0	512.204	30.548	1773.649	1.28%	88.79%
31.0	418.933	25.912	1799.561	1.09%	90.09%
32.0	330.952	21.483	1821.044	0.90%	91.16%
33.0	268.062	17.647	1838.692	0.74%	92.05%
34.0	214.814	14.613	1853.305	0.61%	92.78%
35.0	155.575	11.503	1864.808	0.48%	93.35%
36.0	120.417	8.788	1873.595	0.37%	93.79%
37.0	105.714	7.375	1880.97	0.31%	94.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	94.624	6.687	1887.657	0.28%	94.50%
39.0	84.667	6.120	1893.777	0.26%	94.80%
40.0	75.589	5.589	1899.366	0.24%	95.08%
41.0	67.732	5.104	1904.47	0.21%	95.34%
42.0	60.520	4.660	1909.13	0.20%	95.57%
43.0	54.836	4.273	1913.403	0.18%	95.79%
44.0	49.525	3.939	1917.342	0.17%	95.98%
45.0	45.033	3.634	1920.975	0.15%	96.16%
46.0	40.951	3.363	1924.338	0.14%	96.33%
47.0	37.381	3.115	1927.454	0.13%	96.49%
48.0	34.587	2.909	1930.363	0.12%	96.63%
49.0	31.939	2.732	1933.095	0.11%	96.77%
50.0	29.722	2.571	1935.666	0.11%	96.90%
51.0	27.688	2.429	1938.095	0.10%	97.02%
52.0	26.116	2.309	1940.403	0.10%	97.14%
53.0	24.689	2.210	1942.613	0.09%	97.25%
54.0	23.548	2.126	1944.74	0.09%	97.35%
55.0	22.553	2.058	1946.797	0.09%	97.46%
56.0	21.631	1.997	1948.794	0.08%	97.56%
57.0	20.973	1.948	1950.742	0.08%	97.65%
58.0	20.380	1.912	1952.654	0.08%	97.75%
59.0	19.942	1.885	1954.539	0.08%	97.84%
60.0	19.693	1.872	1956.412	0.08%	97.94%
61.0	19.481	1.869	1958.281	0.08%	98.03%
62.0	19.181	1.863	1960.144	0.08%	98.13%
63.0	18.771	1.846	1961.99	0.08%	98.22%
64.0	18.135	1.811	1963.801	0.08%	98.31%
65.0	17.213	1.749	1965.55	0.07%	98.40%
66.0	16.386	1.676	1967.227	0.07%	98.48%
67.0	15.523	1.604	1968.831	0.07%	98.56%
68.0	14.814	1.537	1970.368	0.06%	98.64%
69.0	14.294	1.485	1971.853	0.06%	98.71%
70.0	13.921	1.449	1973.302	0.06%	98.78%
71.0	13.745	1.430	1974.732	0.06%	98.86%
72.0	13.614	1.423	1976.154	0.06%	98.93%
73.0	13.555	1.421	1977.575	0.06%	99.00%
74.0	13.519	1.423	1978.999	0.06%	99.07%
75.0	13.453	1.425	1980.424	0.06%	99.14%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.285	1.419	1981.843	0.06%	99.21%
77.0	12.955	1.399	1983.242	0.06%	99.28%
78.0	12.509	1.363	1984.605	0.06%	99.35%
79.0	11.982	1.316	1985.921	0.06%	99.42%
80.0	11.361	1.258	1987.18	0.05%	99.48%
81.0	10.615	1.188	1988.368	0.05%	99.54%
82.0	10.139	1.125	1989.493	0.05%	99.59%
83.0	9.868	1.088	1990.581	0.05%	99.65%
84.0	9.656	1.064	1991.645	0.04%	99.70%
85.0	9.422	1.041	1992.686	0.04%	99.75%
86.0	9.203	1.018	1993.704	0.04%	99.81%
87.0	8.998	0.996	1994.7	0.04%	99.86%
88.0	8.844	0.977	1995.677	0.04%	99.90%
89.0	8.713	0.962	1996.64	0.04%	99.95%
90.0	8.676	0.953	1997.593	0.04%	100.00%

Zonal flux distribution table

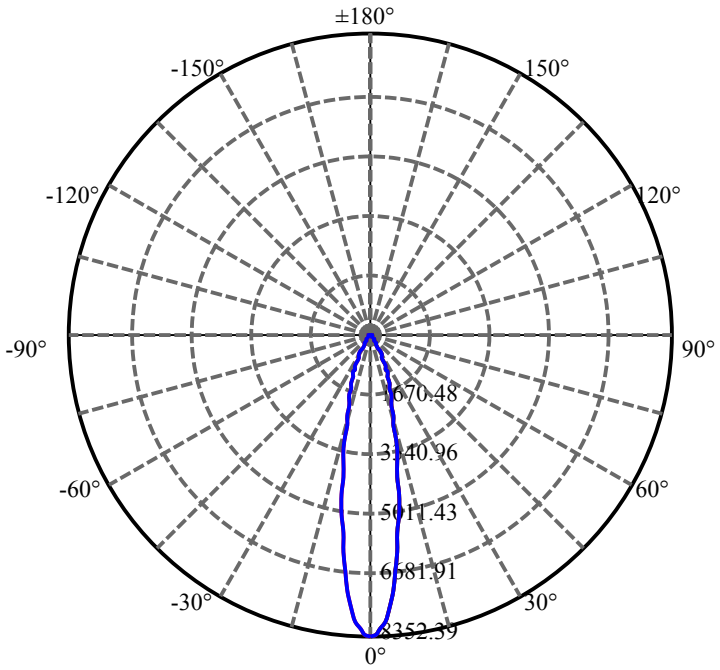
ZONAL LUMEN SUMMARY

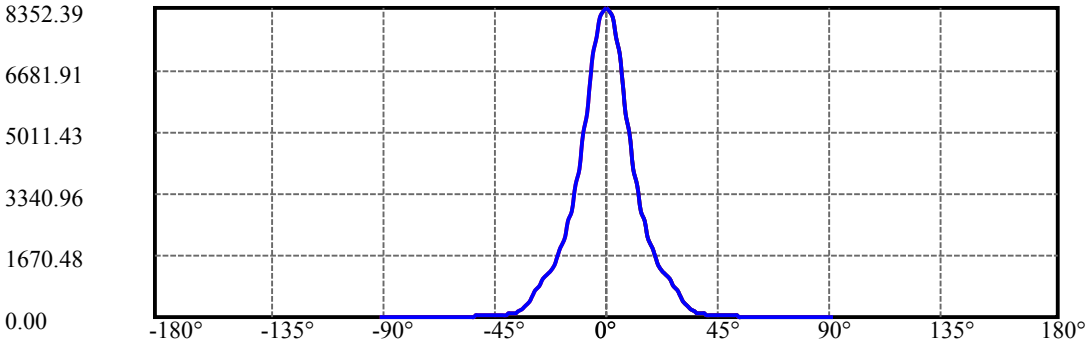
Zone	Lumens	%Lamp	%Fixt
0-30	1773.65	74.59%	88.79%
0-40	1899.37	79.87%	95.08%
0-60	1956.41	82.27%	97.94%
0-90	1996.64	83.96%	99.95%
0-120	1996.64	83.96%	99.95%
0-180	1997.59	84.00%	100.00%
60-90	40.23	1.69%	2.01%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.40	1598.07	67.20%	80.00%

ZONAL LUMEN SUMMARY

0-10	588.78
10-20	728.35
20-30	456.51
30-40	125.72
40-50	36.30
50-60	20.75
60-70	16.89
70-80	13.88
80-90	9.46
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):

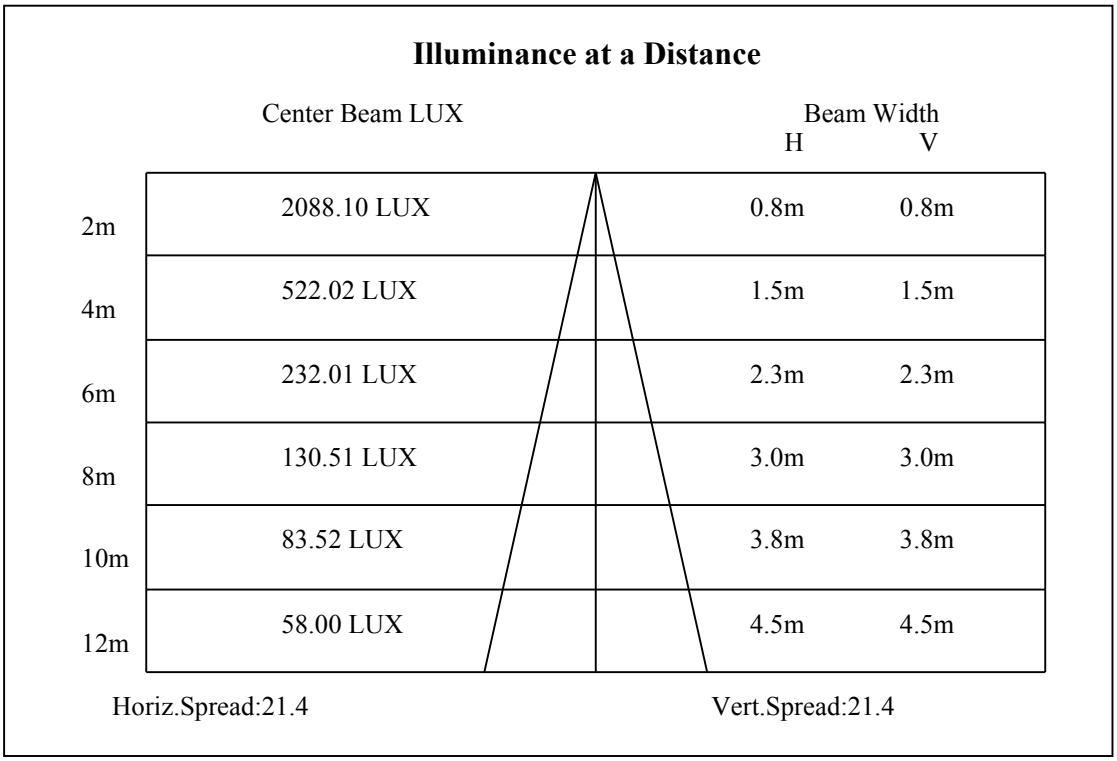
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:26.9 Right:26.9
:C90/270Left:26.9 Right:26.9

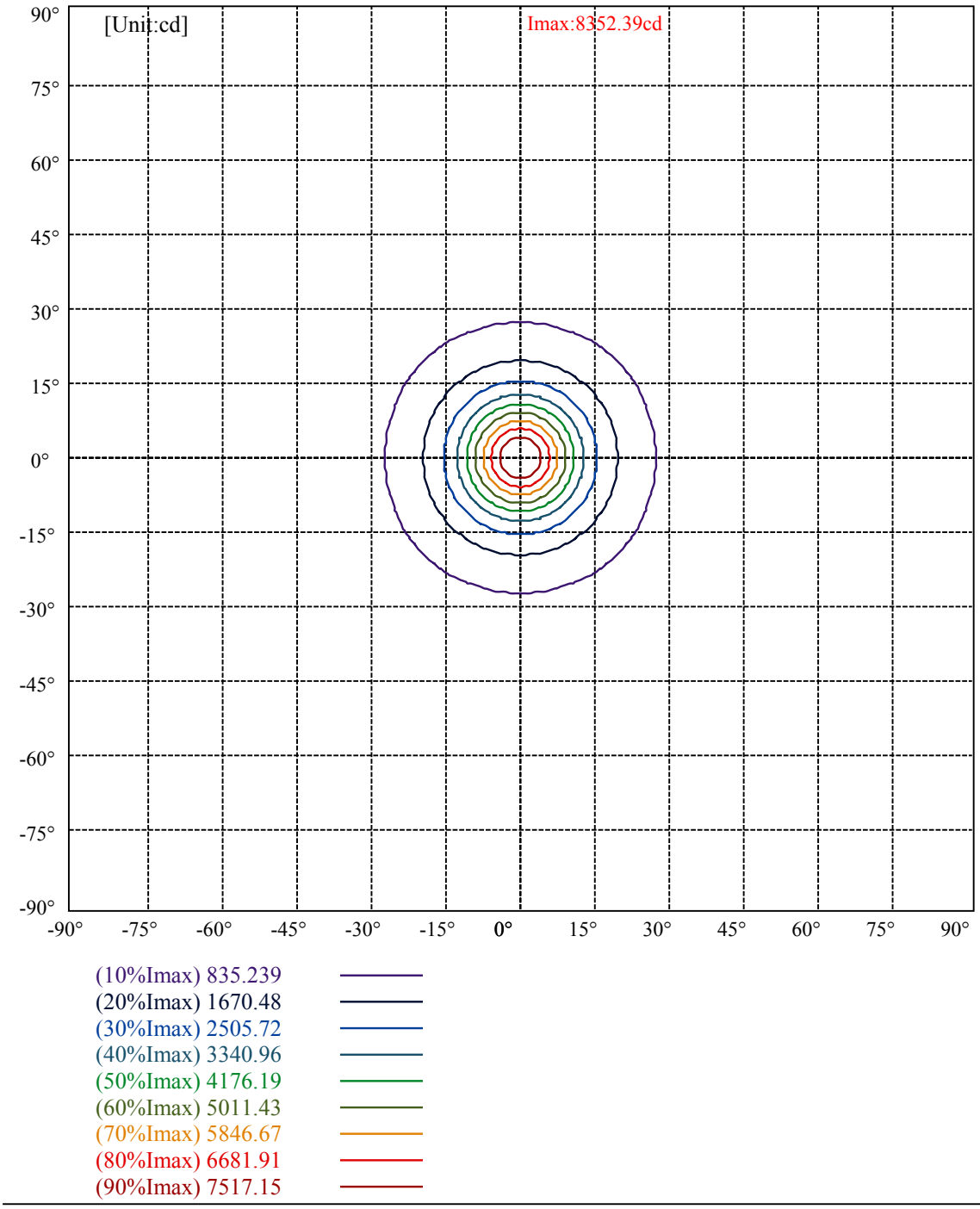
Beam Angle(50%Imax):C0/180Left:10.7 Right:10.7
:C90/270Left:10.7 Right:10.7

Lux distance Curve



Equipment: GMS1980 Date: 2024/4/08 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

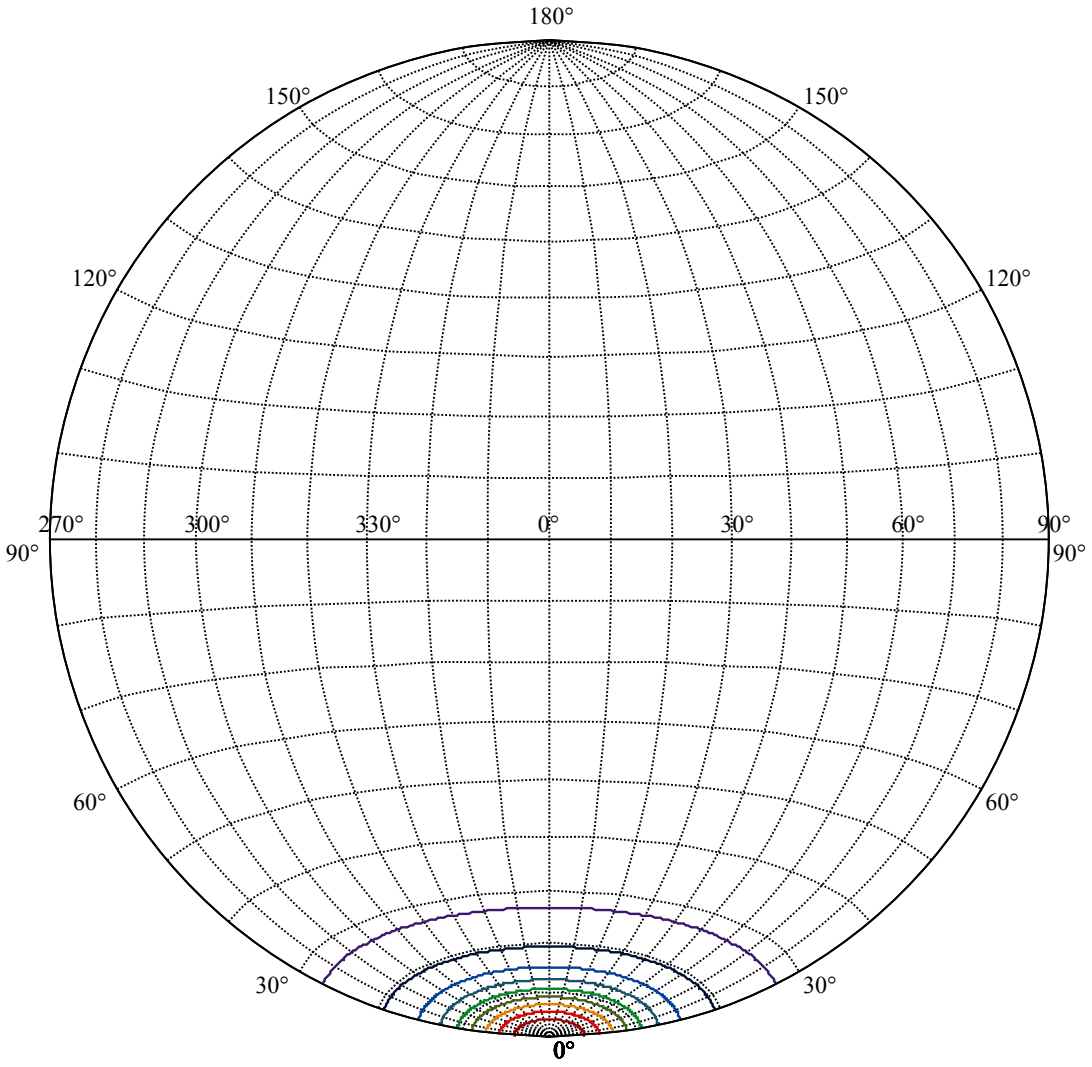


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/08
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



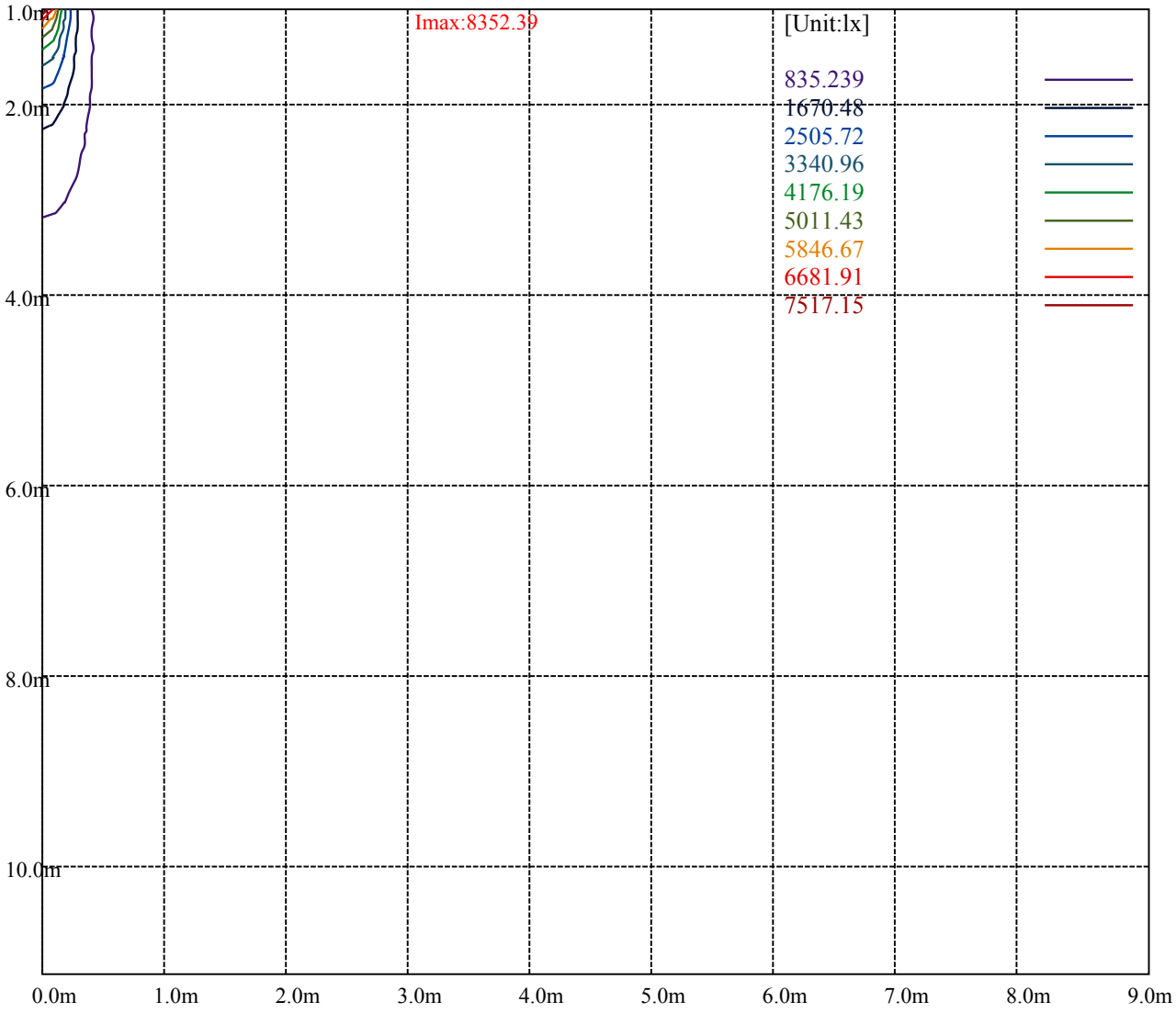
House [Unit:cd] Road

Imax:8352.39

(10%Imax) 835.239
(20%Imax) 1670.48
(30%Imax) 2505.72
(40%Imax) 3340.96
(50%Imax) 4176.19
(60%Imax) 5011.43
(70%Imax) 5846.67
(80%Imax) 6681.91
(90%Imax) 7517.15

Equipment: GMS1980	Date: 2024/4/08	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/08
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

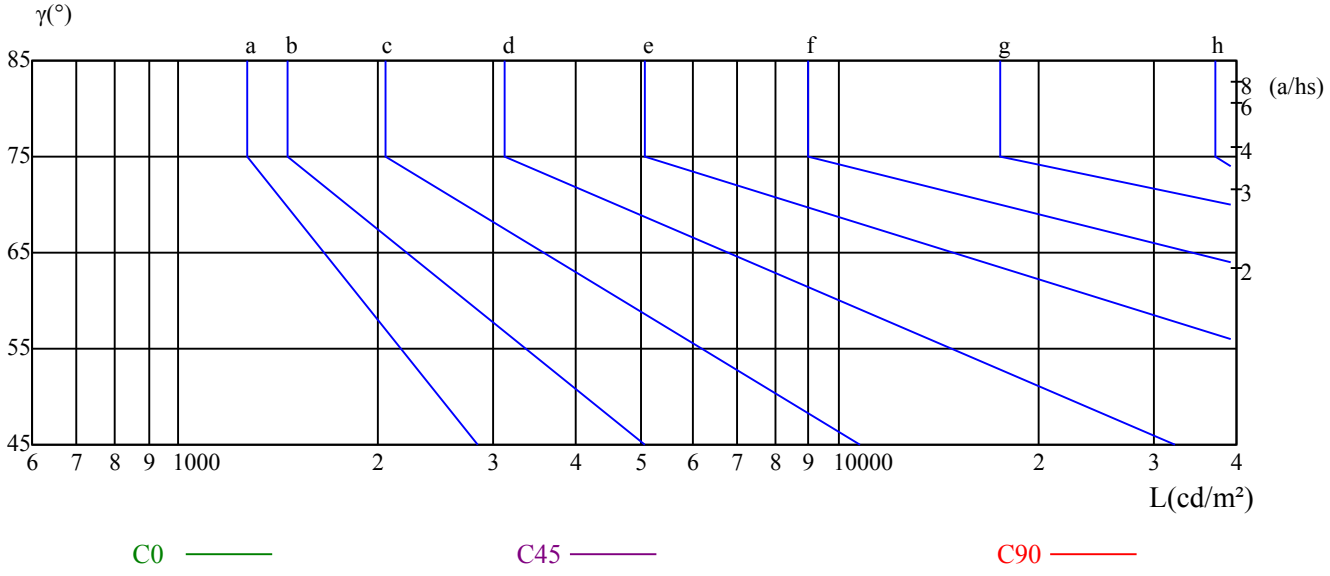
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

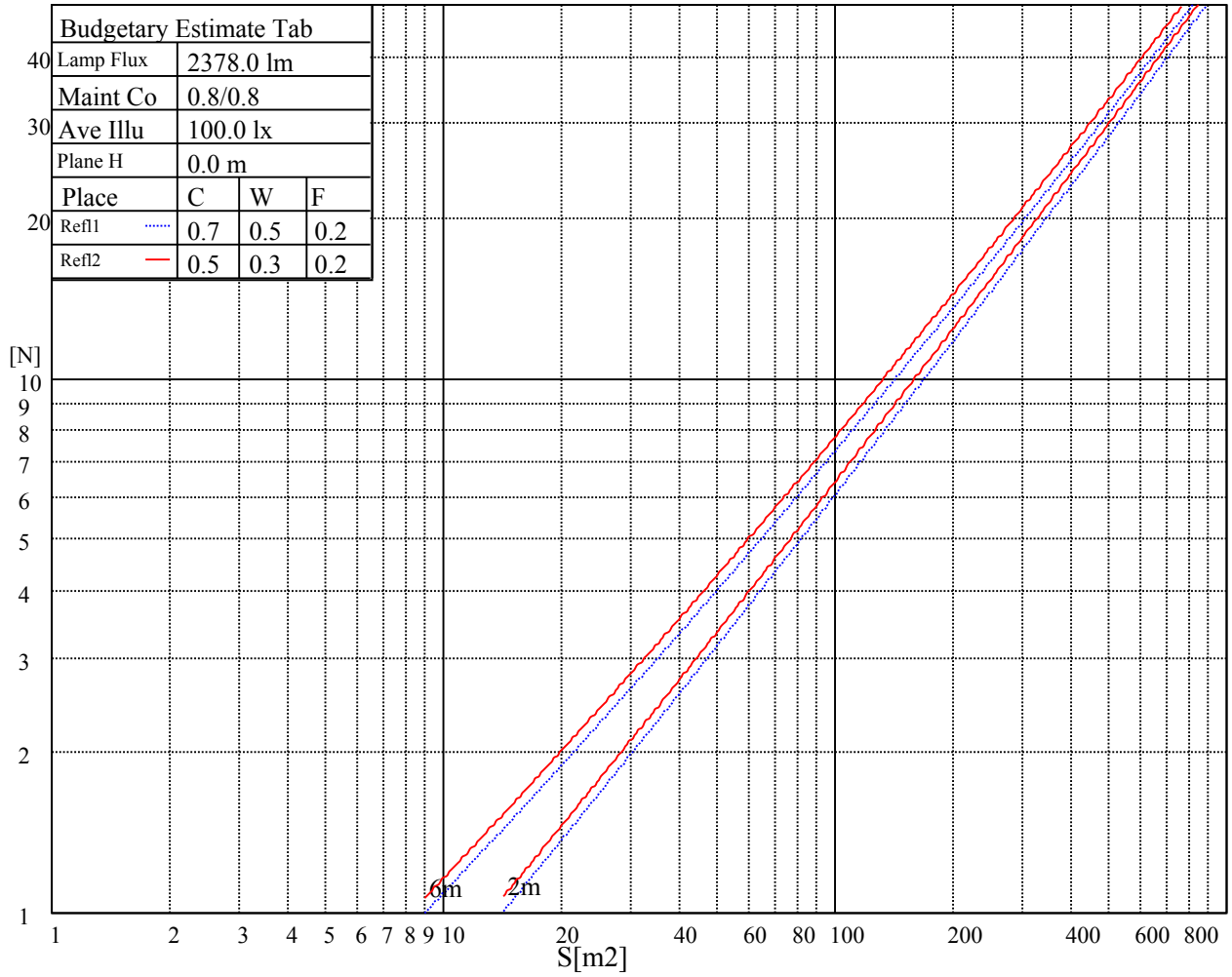
Luminance Limitting Curve



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

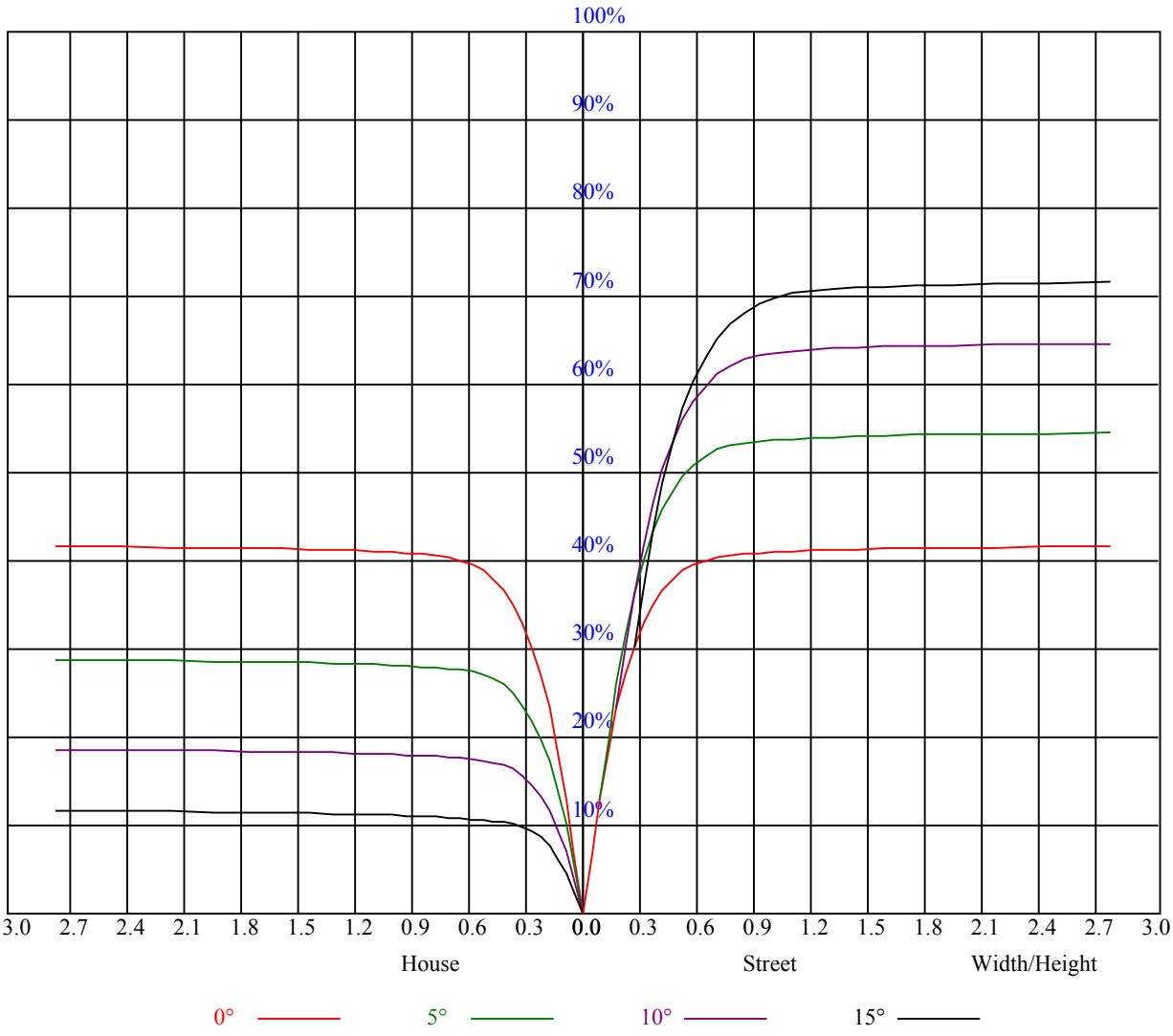


Equipment: GMS1980 Date: 2024/4/08 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

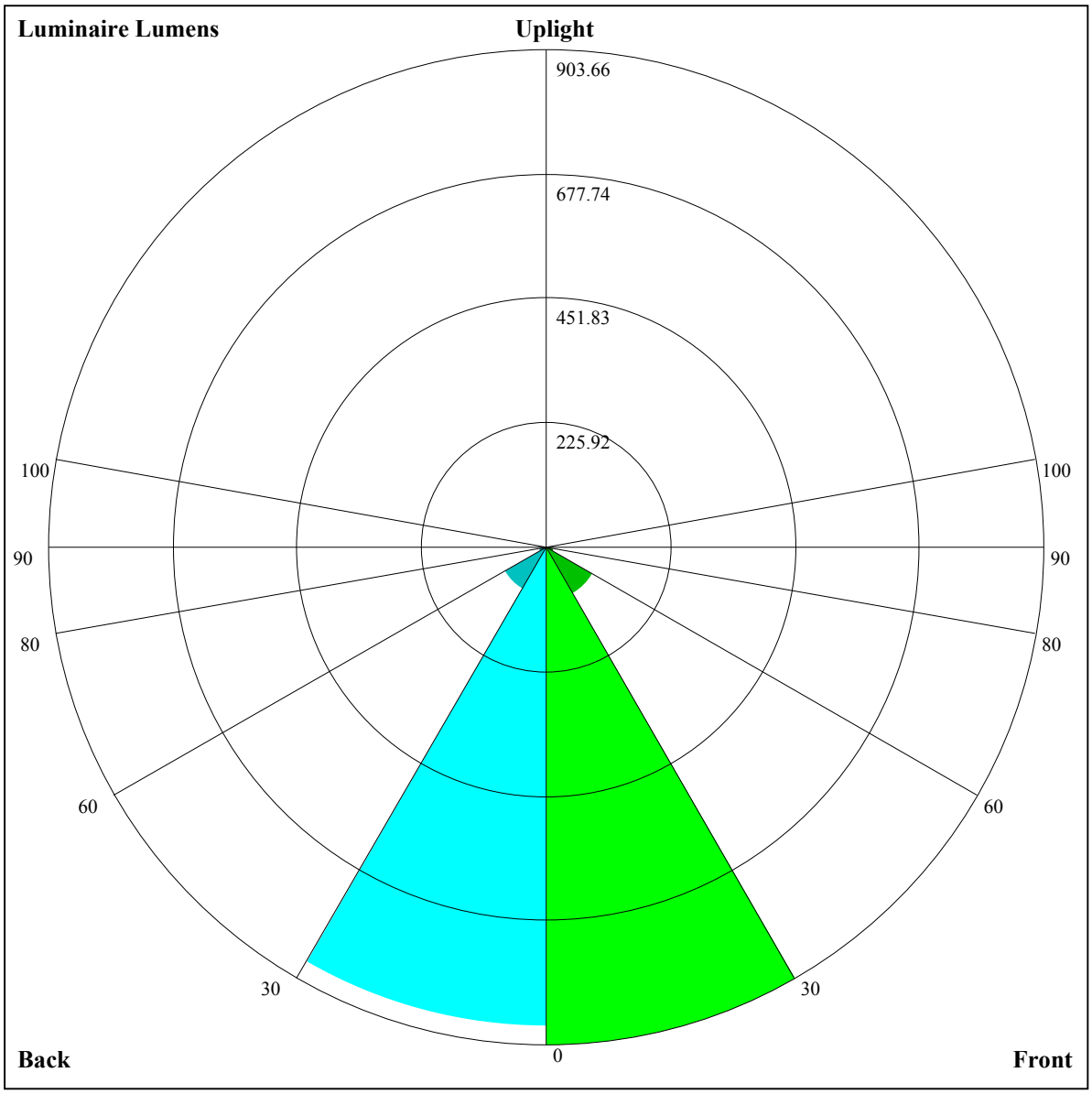
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.00	1.00	1.00	0.98	0.98	0.98	0.93	0.93	0.93	0.89	0.89	0.89	0.86	0.86	0.86	0.84
1	0.94	0.92	0.90	0.92	0.90	0.89	0.89	0.87	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80
2	0.89	0.86	0.83	0.87	0.85	0.82	0.85	0.82	0.81	0.82	0.80	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	0.74	0.73
4	0.80	0.76	0.74	0.79	0.76	0.73	0.78	0.75	0.72	0.76	0.74	0.71	0.75	0.72	0.71	0.70
5	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.71	0.69	0.73	0.71	0.68	0.72	0.70	0.68	0.67
6	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
7	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.68	0.65	0.63	0.62
8	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.65	0.63	0.61	0.60
9	0.66	0.62	0.59	0.65	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.63	0.61	0.59	0.58
10	0.64	0.60	0.57	0.63	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.56

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/08	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:
FL=903.66,FM=96.41,FH=14.98,FVH=5.21
BL=870.29,BM=87.92,BH=15.57,BVH=5.23
UL=0,UH=0

BUG Rating:B2-U0-G0

Equipment: GMS1980	Date: 2024/4/08	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

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	8376.38	8361.17	8263.44	8065.63	7662.41	7251.58	6805.64	6187.64	5683.76
45.0	8317.86	8352.97	8339.51	8235.34	7953.27	7609.74	7171.99	6581.50	6077.62
90.0	8336.59	8239.44	8005.35	7696.94	7299.57	6836.07	6226.27	5723.56	5231.97
135.0	8378.72	8324.88	8215.45	7926.93	7582.82	7152.68	6671.04	6055.97	5546.82
180.0	8376.38	8289.19	8124.15	7857.87	7504.40	6975.36	6484.94	5975.79	5354.87
225.0	8317.86	8144.05	7900.60	7557.07	7151.51	6556.33	6050.11	5544.48	5047.04
270.0	8336.59	8357.66	8260.51	8088.45	7806.96	7335.85	6885.23	6391.30	5770.38
315.0	8378.72	8316.11	8171.56	7920.49	7478.65	7033.29	6427.00	5914.34	5408.12
360.0	8376.38	8361.17	8263.44	8065.63	7662.41	7251.58	6805.64	6187.64	5683.76

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5056.40	4580.03	4133.50	3718.58	3249.81	2928.52	2635.91	2377.24	2106.87
45.0	5467.82	4980.32	4519.17	3988.95	3596.85	3234.60	2907.46	2549.88	2310.53
90.0	4761.45	4201.39	3794.66	3415.43	2996.41	2700.29	2438.11	2164.81	1978.12
135.0	5067.52	4602.27	4058.59	3662.40	3293.70	2885.22	2604.31	2359.69	2100.43
180.0	4858.60	4396.85	3850.84	3462.83	3115.80	2733.64	2469.71	2245.57	2000.36
225.0	4458.30	4025.24	3535.99	3180.17	2857.71	2503.65	2264.29	2057.71	1873.36
270.0	5286.40	4798.90	4336.58	3802.85	3420.70	3061.96	2745.93	2404.16	2170.07
315.0	4916.53	4335.41	3909.36	3522.53	3158.52	2758.22	2484.92	2242.06	2029.62
360.0	5056.40	4580.03	4133.50	3718.58	3249.81	2928.52	2635.91	2377.24	2106.87

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1927.20	1767.44	1594.80	1468.39	1161.96	1161.96	1118.77	1038.66	933.73
45.0	2101.02	1924.86	1732.91	1597.72	1479.51	1334.37	1232.54	1144.76	1042.93
90.0	1783.82	1650.98	1531.59	1416.89	1165.71	1165.71	1102.21	1027.71	912.48
135.0	1924.86	1775.63	1610.01	1494.14	1378.85	1275.26	1158.22	1077.46	991.43
180.0	1830.64	1674.97	1550.32	1414.55	1298.67	1193.33	1113.74	1008.99	927.05
225.0	1683.75	1550.90	1428.01	1158.16	1158.16	1093.43	1016.71	913.07	818.79
270.0	1972.27	1749.30	1605.92	1447.32	1331.45	1219.67	1131.88	1034.15	952.80
315.0	1812.50	1666.19	1499.40	1299.26	1166.65	1143.41	1059.67	982.48	891.82
360.0	1927.20	1767.44	1594.80	1468.39	1161.96	1161.96	1118.77	1038.66	933.73

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	839.97	740.02	643.51	519.56	427.27	340.95	264.29	187.92	146.54
45.0	960.41	859.75	732.76	634.44	540.22	450.68	345.34	306.13	306.13
90.0	808.84	700.05	605.30	491.71	408.02	308.76	236.26	175.86	133.31
135.0	897.21	767.29	663.70	547.24	459.46	374.60	296.18	296.18	155.49
180.0	814.11	711.11	609.86	486.97	389.23	300.86	300.86	155.73	123.31
225.0	691.33	593.36	500.54	413.11	310.70	237.43	175.92	135.77	112.48
270.0	855.66	728.08	631.52	530.86	448.93	345.34	305.55	305.55	139.52
315.0	766.35	663.59	566.56	473.74	367.64	288.98	220.10	155.38	127.81
360.0	839.97	740.02	643.51	519.56	427.27	340.95	264.29	187.92	146.54

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	124.77	110.26	99.43	89.89	79.59	72.04	63.79	58.23	53.14
45.0	150.46	122.31	110.49	99.37	87.37	79.01	69.64	63.15	57.53
90.0	118.80	107.15	96.04	84.04	75.85	68.41	61.86	54.89	49.92
135.0	127.99	110.61	99.08	88.54	79.71	69.88	63.15	57.35	50.86
180.0	107.21	96.62	84.86	76.72	69.35	62.56	55.42	50.33	46.00
225.0	101.54	91.24	81.76	71.57	64.02	57.64	50.86	46.17	41.14
270.0	118.27	106.45	93.81	84.57	76.20	66.77	60.16	54.54	49.63
315.0	114.29	101.07	91.53	82.63	72.63	65.55	59.28	54.02	47.99
360.0	124.77	110.26	99.43	89.89	79.59	72.04	63.79	58.23	53.14

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	48.46	43.37	39.85	36.81	34.06	31.02	29.09	27.39	25.98
45.0	52.49	46.99	43.07	39.62	36.52	33.12	30.84	28.85	26.80
90.0	45.53	40.73	37.40	34.53	31.54	29.38	27.62	25.69	24.40
135.0	46.53	42.60	38.33	35.41	32.30	30.67	28.27	26.74	25.16
180.0	41.20	37.98	34.47	32.07	30.02	28.27	26.34	25.05	23.88
225.0	37.86	34.94	31.95	29.79	27.97	26.39	24.76	23.58	22.59
270.0	44.18	40.56	37.40	34.53	31.49	29.38	27.15	25.63	24.29
315.0	44.01	40.44	36.58	33.94	31.60	29.55	27.45	25.98	24.40
360.0	48.46	43.37	39.85	36.81	34.06	31.02	29.09	27.39	25.98

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.46	23.41	22.30	21.54	20.89	20.19	19.84	19.66	19.31
45.0	25.46	24.23	23.00	22.24	21.54	20.83	20.42	20.19	19.84
90.0	23.35	22.41	21.42	20.83	20.31	20.01	19.78	19.55	19.20
135.0	24.17	23.23	22.41	21.65	21.13	20.66	20.42	20.25	19.96
180.0	22.94	21.89	21.19	20.60	20.01	19.72	19.61	19.43	19.20
225.0	21.77	20.89	20.25	19.78	19.31	19.14	19.08	18.79	18.49
270.0	22.88	21.95	21.07	20.37	19.66	19.20	18.90	18.73	18.55
315.0	23.35	22.41	21.42	20.78	20.19	19.78	19.49	19.25	18.90
360.0	24.46	23.41	22.30	21.54	20.89	20.19	19.84	19.66	19.31

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.79	18.32	17.38	16.56	15.63	14.92	14.34	13.93	13.69
45.0	19.43	19.14	18.43	17.32	16.56	15.68	14.92	14.28	13.81
90.0	18.73	17.73	16.74	15.98	15.16	14.51	14.05	13.69	13.52
135.0	19.55	19.02	18.02	17.15	16.27	15.51	15.04	14.46	14.28
180.0	18.73	17.91	17.03	16.33	15.27	14.75	14.46	14.92	15.74
225.0	17.97	16.91	16.09	15.27	14.63	13.93	13.46	13.11	12.82
270.0	18.38	17.97	17.03	16.21	15.39	14.57	13.99	13.46	12.93
315.0	18.61	18.08	16.97	16.27	15.27	14.63	14.10	13.52	13.17
360.0	18.79	18.32	17.38	16.56	15.63	14.92	14.34	13.93	13.69

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.23	12.82	12.47	12.17	11.82	11.53	11.29	11.00	10.77
45.0	13.40	12.99	12.64	12.35	12.11	11.82	11.53	11.18	10.94
90.0	13.34	13.46	13.58	13.75	13.99	13.46	13.11	12.35	11.53
135.0	14.75	15.74	17.32	18.20	18.20	18.20	16.74	15.39	14.16
180.0	16.21	16.33	15.92	15.68	15.45	14.75	14.40	13.69	11.82
225.0	12.47	12.23	12.00	11.65	11.41	11.12	10.89	10.59	10.36
270.0	12.64	12.41	12.00	11.82	11.59	11.35	11.00	10.77	10.59
315.0	12.87	12.47	12.23	12.00	11.70	11.41	11.12	10.89	10.71
360.0	13.23	12.82	12.47	12.17	11.82	11.53	11.29	11.00	10.77

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.53	10.24	9.89	9.71	9.54	9.36	9.13	8.90	8.90
45.0	10.71	10.36	10.18	9.89	9.66	9.48	9.25	8.95	8.84
90.0	10.36	10.07	9.77	9.60	9.31	9.13	8.90	8.84	8.60
135.0	12.00	10.48	10.12	9.89	9.54	9.25	9.01	8.78	8.60
180.0	10.42	10.01	9.77	9.60	9.36	9.07	8.90	9.01	8.66
225.0	10.07	9.83	9.66	9.36	9.13	8.95	8.84	8.66	8.72
270.0	10.36	10.07	9.77	9.60	9.42	9.19	9.01	8.84	8.78
315.0	10.48	10.07	9.77	9.60	9.42	9.19	8.95	8.78	8.60
360.0	10.53	10.24	9.89	9.71	9.54	9.36	9.13	8.90	8.90

Intensity data(cd)

C/γ(°)	90.0
0.0	8.66
45.0	8.60
90.0	8.78
135.0	8.66
180.0	8.72
225.0	8.66
270.0	8.66
315.0	8.66
360.0	8.66