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NT

Client:
LumCAT: 2-2678-L
Luminaire: 92.70.411.00
Report No: 2024407-B013
Ballast type: AC

Test No: 2024407-C013	Voltage(V): 34.850
LampCAT: Fortimo_SLM_C_1205	Current(A): 0.401
Lamp flux(lm): 2388.0	Power (W): 13.974
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2035.73, Efficiency(%): 85.25% , Luminous Efficacy(lm/W): 145.68
Central intensity(cd): 9690.214, Maximum intensity(cd): 9690.214
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=19.4
[C90/270]Total=19.4
Field angle(10%Imax): [C0/180]Total=49.0
[C90/270]Total=49.0
Maximum s/h(1/2): C0_180=0.33 C90_270=0.33
Maximum s/h(1/4): C0_180=0.35 C90_270=0.35
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.25%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.028%

Equipment: GMS1980	Date: 2024/4/07	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	9690.214	0.000	0	0.00%	0.00%
1.0	9636.373	9.247	9.247	0.39%	0.45%
2.0	9474.120	27.429	36.677	1.15%	1.80%
3.0	9174.923	44.602	81.279	1.87%	3.99%
4.0	8755.976	60.020	141.299	2.51%	6.94%
5.0	8204.694	72.964	214.263	3.06%	10.53%
6.0	7565.628	82.877	297.141	3.47%	14.60%
7.0	6837.608	89.401	386.541	3.74%	18.99%
8.0	6119.537	92.732	479.273	3.88%	23.54%
9.0	5367.742	93.098	572.371	3.90%	28.12%
10.0	4665.399	90.796	663.167	3.80%	32.58%
11.0	4057.058	87.155	750.323	3.65%	36.86%
12.0	3508.629	82.704	833.027	3.46%	40.92%
13.0	3035.328	77.660	910.687	3.25%	44.74%
14.0	2641.764	72.666	983.353	3.04%	48.30%
15.0	2327.352	68.218	1051.571	2.86%	51.66%
16.0	2047.907	64.110	1115.681	2.68%	54.81%
17.0	1828.887	60.372	1176.053	2.53%	57.77%
18.0	1643.663	57.255	1233.308	2.40%	60.58%
19.0	1478.169	54.313	1287.622	2.27%	63.25%
20.0	1343.867	51.651	1339.273	2.16%	65.79%
21.0	1218.863	49.210	1388.482	2.06%	68.21%
22.0	1152.769	47.659	1436.141	2.00%	70.55%
23.0	1076.843	46.783	1482.924	1.96%	72.84%
24.0	1000.406	45.416	1528.341	1.90%	75.08%
25.0	937.494	44.064	1572.404	1.85%	77.24%
26.0	872.468	42.724	1615.129	1.79%	79.34%
27.0	812.322	41.219	1656.347	1.73%	81.36%
28.0	752.168	39.610	1695.957	1.66%	83.31%
29.0	683.704	37.566	1733.523	1.57%	85.16%
30.0	616.030	35.093	1768.616	1.47%	86.88%
31.0	541.494	32.212	1800.828	1.35%	88.46%
32.0	468.582	28.938	1829.766	1.21%	89.88%
33.0	395.905	25.468	1855.234	1.07%	91.13%
34.0	330.645	21.988	1877.221	0.92%	92.21%
35.0	282.934	19.056	1896.277	0.80%	93.15%
36.0	224.726	16.164	1912.441	0.68%	93.94%
37.0	172.502	12.955	1925.396	0.54%	94.58%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	130.198	10.104	1935.5	0.42%	95.08%
39.0	95.275	7.696	1943.196	0.32%	95.45%
40.0	73.197	5.876	1949.072	0.25%	95.74%
41.0	57.520	4.655	1953.726	0.19%	95.97%
42.0	46.291	3.772	1957.498	0.16%	96.16%
43.0	38.976	3.159	1960.656	0.13%	96.31%
44.0	33.848	2.749	1963.405	0.12%	96.45%
45.0	30.490	2.473	1965.878	0.10%	96.57%
46.0	27.908	2.284	1968.161	0.10%	96.68%
47.0	26.138	2.150	1970.311	0.09%	96.79%
48.0	24.689	2.055	1972.366	0.09%	96.89%
49.0	23.643	1.985	1974.35	0.08%	96.99%
50.0	22.795	1.936	1976.287	0.08%	97.08%
51.0	22.224	1.905	1978.191	0.08%	97.17%
52.0	21.836	1.891	1980.082	0.08%	97.27%
53.0	21.587	1.889	1981.971	0.08%	97.36%
54.0	21.456	1.897	1983.868	0.08%	97.45%
55.0	21.412	1.914	1985.782	0.08%	97.55%
56.0	21.368	1.933	1987.715	0.08%	97.64%
57.0	21.368	1.954	1989.669	0.08%	97.74%
58.0	21.236	1.970	1991.639	0.08%	97.83%
59.0	20.995	1.974	1993.613	0.08%	97.93%
60.0	20.541	1.962	1995.576	0.08%	98.03%
61.0	20.000	1.935	1997.51	0.08%	98.12%
62.0	19.232	1.890	1999.401	0.08%	98.22%
63.0	18.274	1.824	2001.225	0.08%	98.31%
64.0	17.206	1.741	2002.966	0.07%	98.39%
65.0	16.167	1.652	2004.617	0.07%	98.47%
66.0	15.172	1.564	2006.181	0.07%	98.55%
67.0	14.397	1.487	2007.668	0.06%	98.62%
68.0	13.841	1.430	2009.098	0.06%	98.69%
69.0	13.541	1.397	2010.495	0.06%	98.76%
70.0	13.343	1.381	2011.876	0.06%	98.83%
71.0	13.204	1.372	2013.248	0.06%	98.90%
72.0	13.146	1.370	2014.618	0.06%	98.96%
73.0	13.058	1.370	2015.988	0.06%	99.03%
74.0	13.036	1.372	2017.36	0.06%	99.10%
75.0	12.977	1.374	2018.734	0.06%	99.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.868	1.372	2020.106	0.06%	99.23%
77.0	12.502	1.353	2021.459	0.06%	99.30%
78.0	12.231	1.324	2022.783	0.06%	99.36%
79.0	11.609	1.281	2024.064	0.05%	99.43%
80.0	11.002	1.219	2025.283	0.05%	99.49%
81.0	10.505	1.163	2026.446	0.05%	99.54%
82.0	10.190	1.122	2027.568	0.05%	99.60%
83.0	9.971	1.096	2028.664	0.05%	99.65%
84.0	9.729	1.073	2029.737	0.04%	99.71%
85.0	9.510	1.050	2030.787	0.04%	99.76%
86.0	9.232	1.024	2031.812	0.04%	99.81%
87.0	9.064	1.001	2032.813	0.04%	99.86%
88.0	8.903	0.984	2033.797	0.04%	99.91%
89.0	8.778	0.969	2034.766	0.04%	99.95%
90.0	8.727	0.960	2035.726	0.04%	100.00%

Zonal flux distribution table

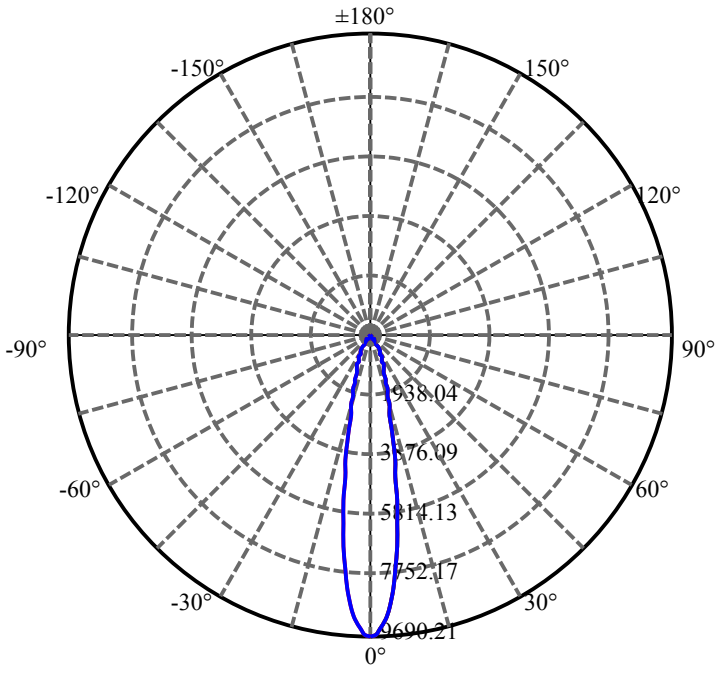
ZONAL LUMEN SUMMARY

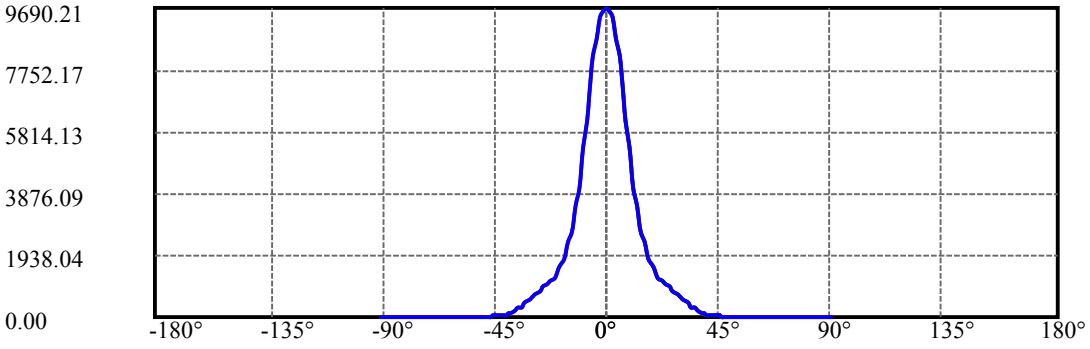
Zone	Lumens	%Lamp	%Fixt
0-30	1768.62	74.06%	86.88%
0-40	1949.07	81.62%	95.74%
0-60	1995.58	83.57%	98.03%
0-90	2034.77	85.21%	99.95%
0-120	2034.77	85.21%	99.95%
0-180	2035.73	85.25%	100.00%
60-90	39.19	1.64%	1.93%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.33	1628.58	68.20%	80.00%

ZONAL LUMEN SUMMARY

0-10	663.17
10-20	676.11
20-30	429.34
30-40	180.46
40-50	27.22
50-60	19.29
60-70	16.30
70-80	13.41
80-90	9.48
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:

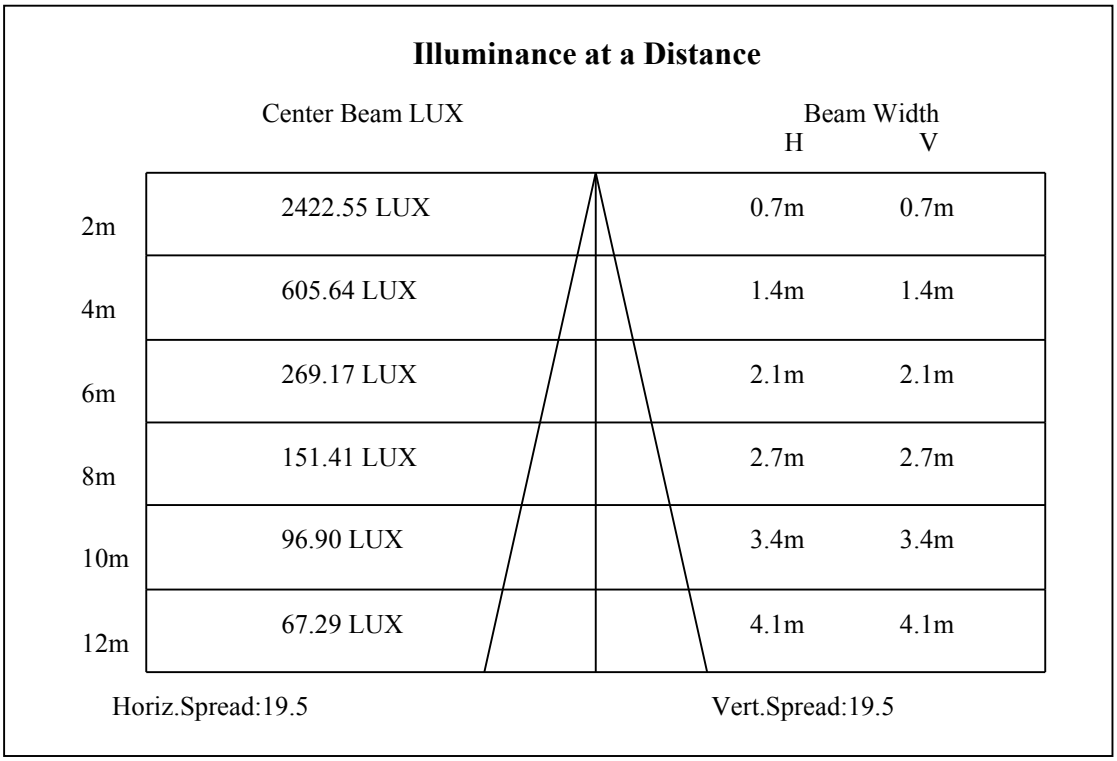
C90/C270:

Field angle(10%Imax):C0/180Left:24.5 Right:24.5
:C90/270Left:24.5 Right:24.5

Beam Angle(50%Imax):C0/180Left:9.7 Right:9.7
:C90/270Left:9.7 Right:9.7

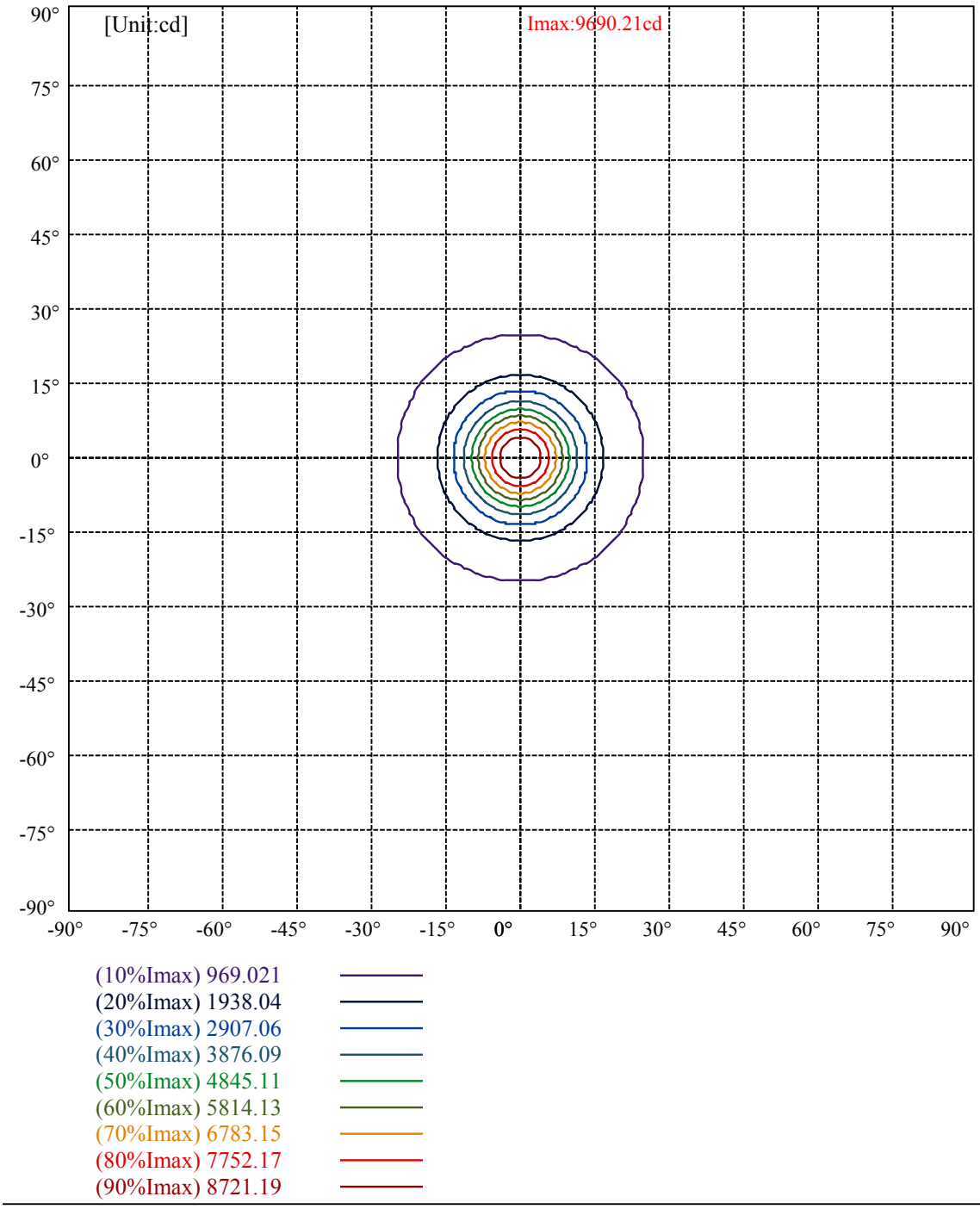
Equipment: GMS1980 Date: 2024/4/07 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Lux distance Curve



Equipment: GMS1980 Date: 2024/4/07 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)



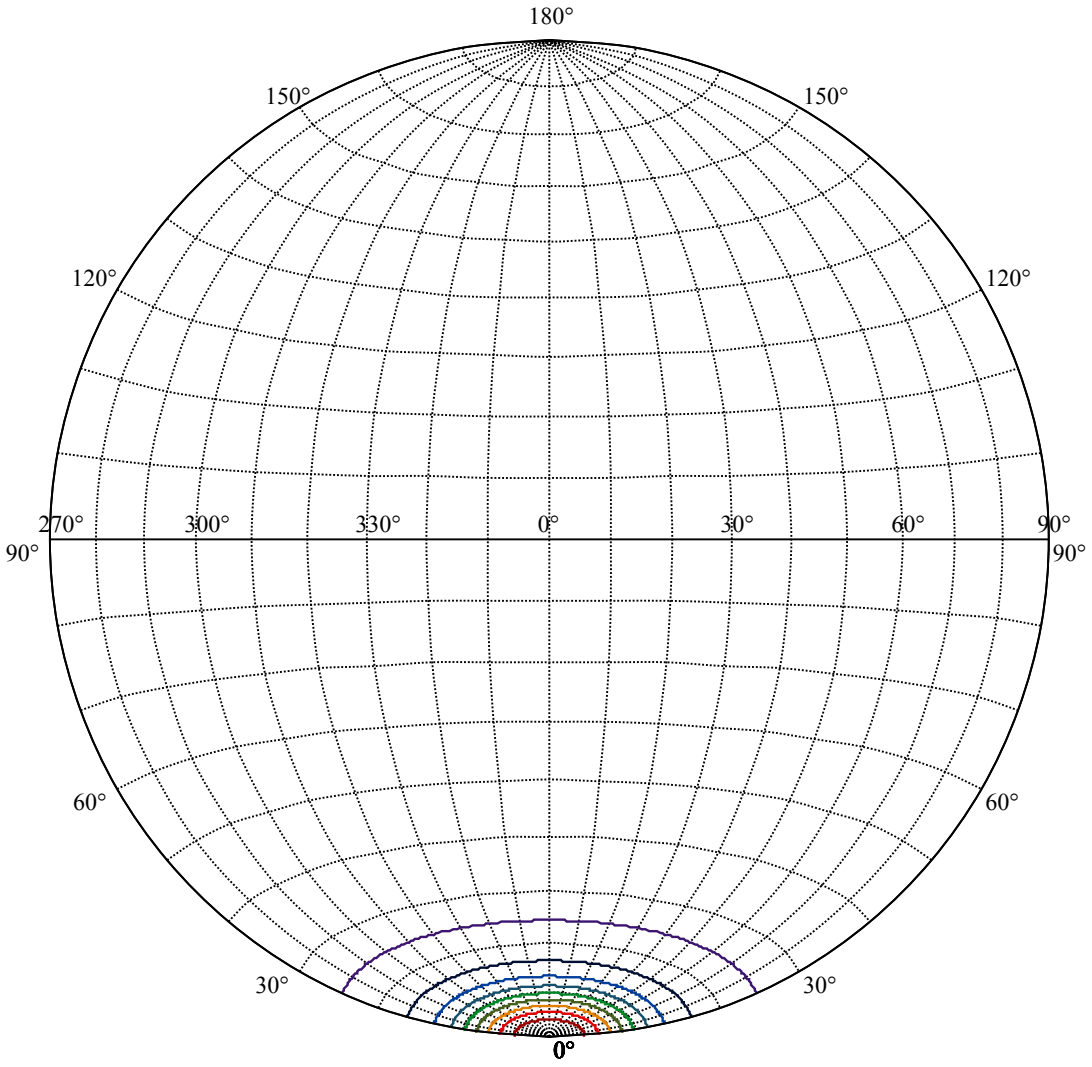
(10%Imax) 969.021
(20%Imax) 1938.04
(30%Imax) 2907.06
(40%Imax) 3876.09
(50%Imax) 4845.11
(60%Imax) 5814.13
(70%Imax) 6783.15
(80%Imax) 7752.17
(90%Imax) 8721.19

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/07
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web

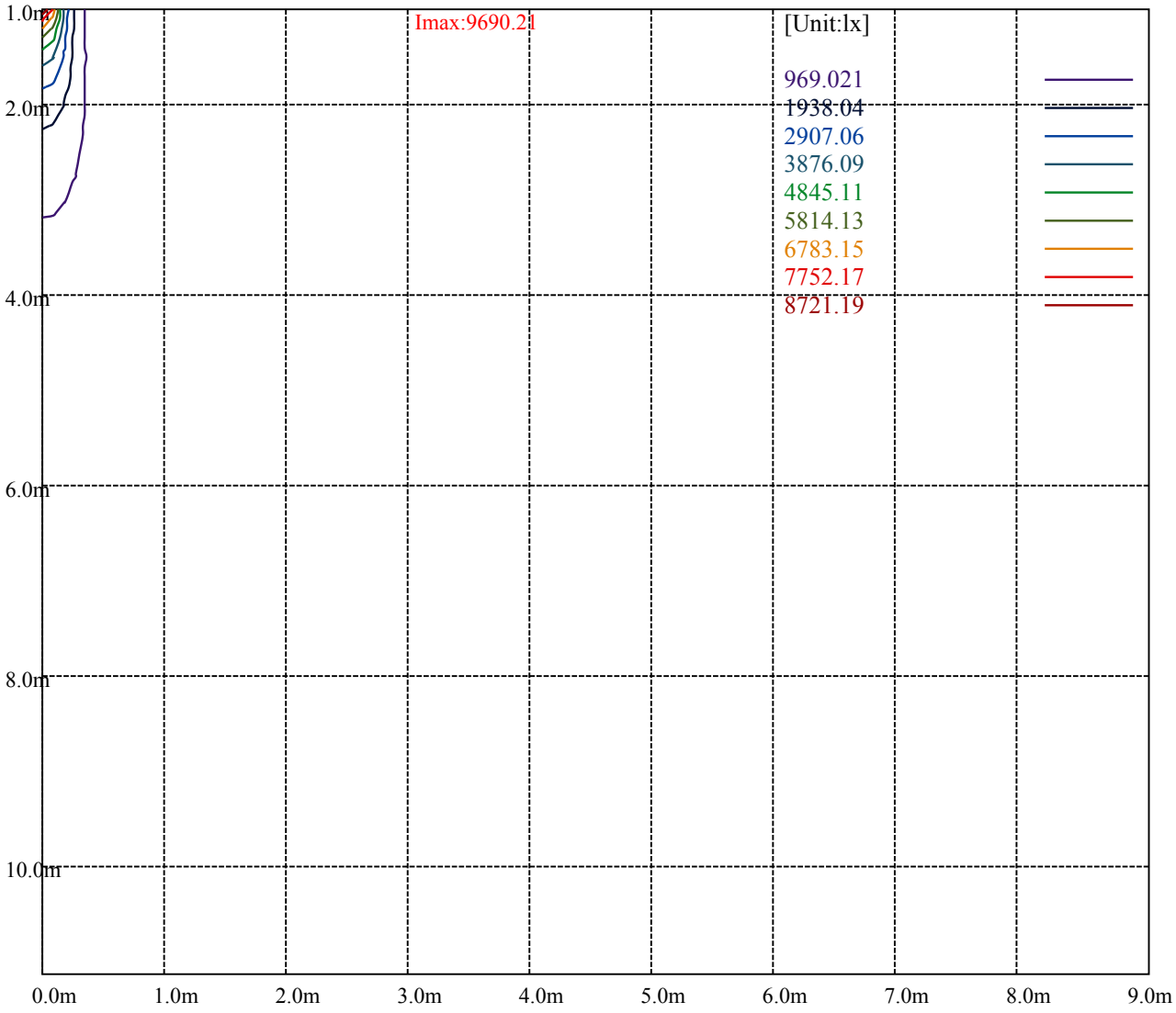


House [Unit:cd] Road

Imax:9690.21

(10%Imax) 969.021
(20%Imax) 1938.04
(30%Imax) 2907.06
(40%Imax) 3876.09
(50%Imax) 4845.11
(60%Imax) 5814.13
(70%Imax) 6783.15
(80%Imax) 7752.17
(90%Imax) 8721.19

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/07
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

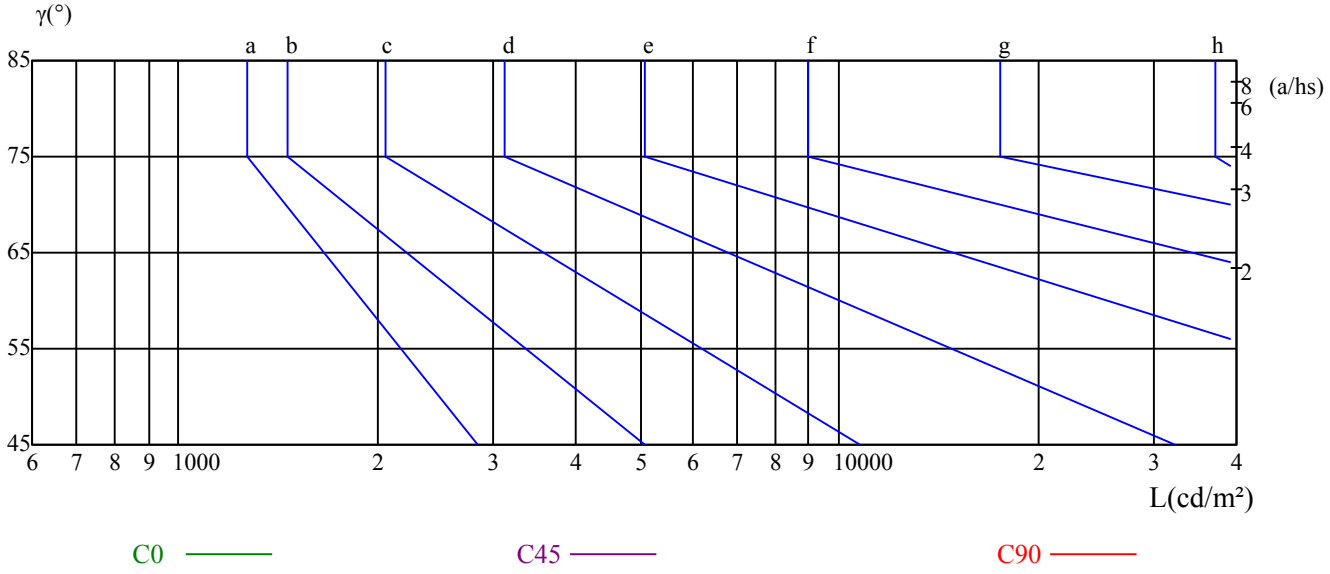
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

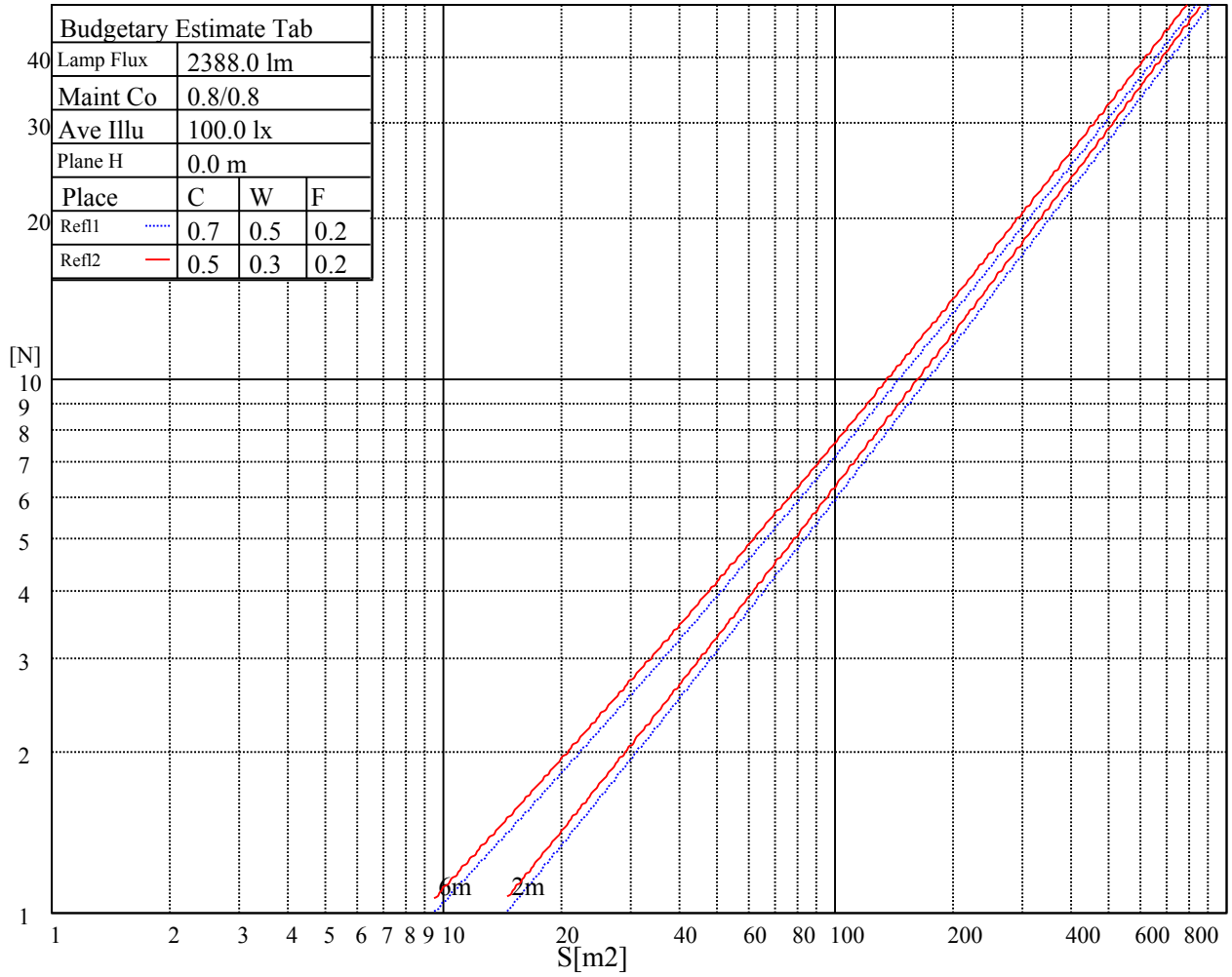
Luminance Limitting Curve



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

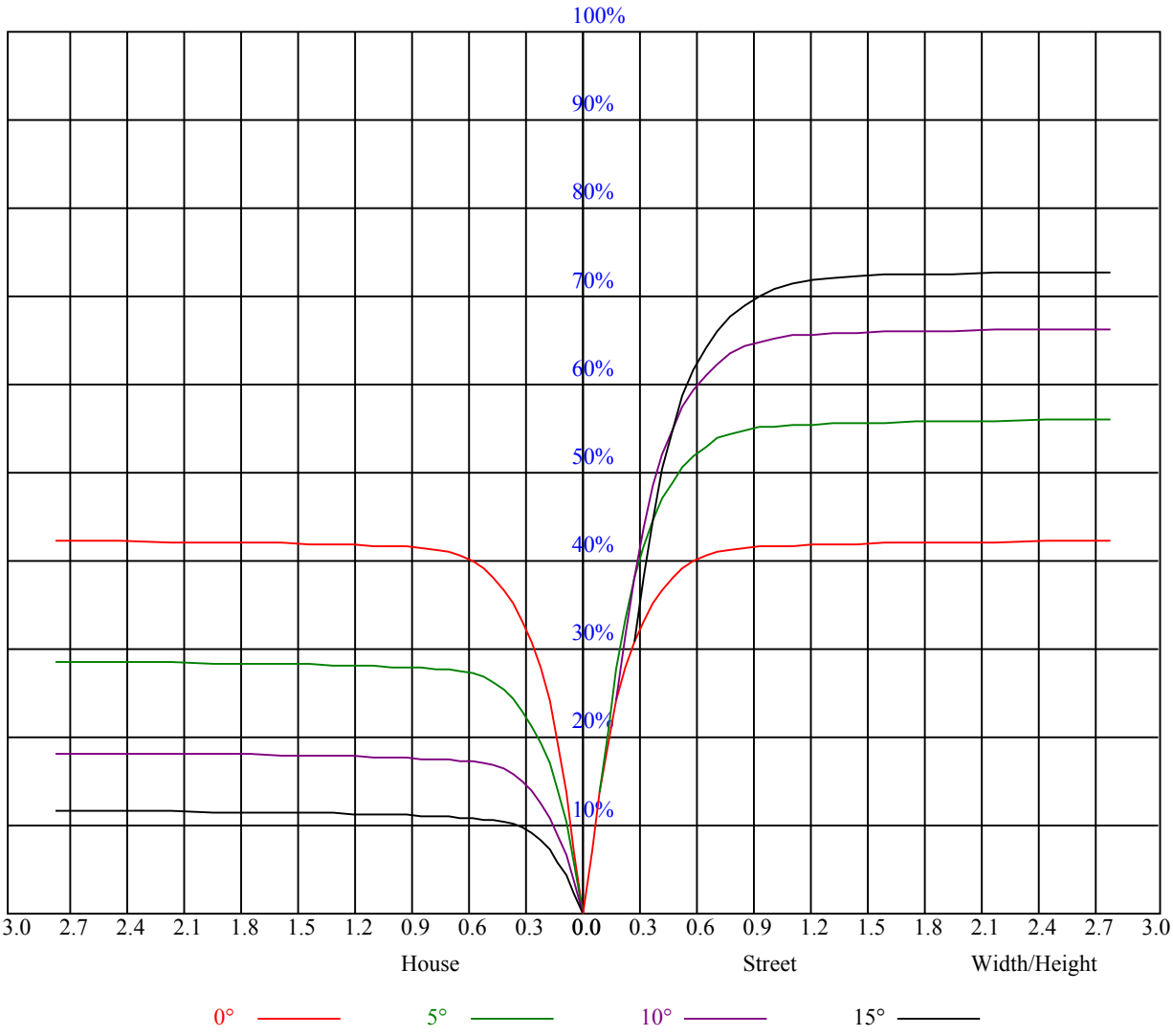


Equipment: GMS1980 Date: 2024/4/07 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

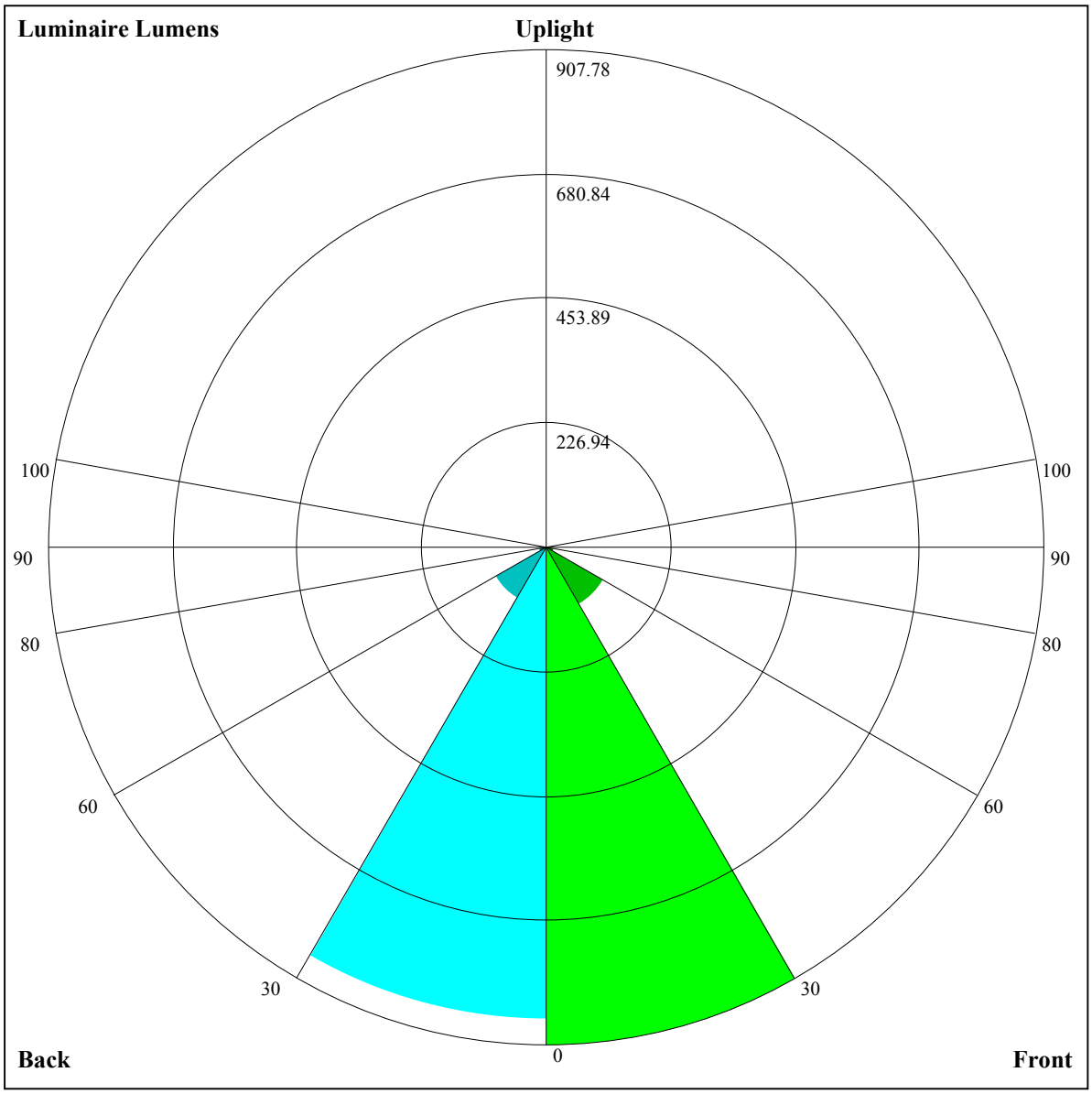
Utilization factor table for indoor luminaire

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	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.95	0.93	0.92	0.94	0.92	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	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	0.80	0.81	0.80	0.79	0.77
3	0.86	0.82	0.79	0.84	0.81	0.79	0.82	0.80	0.77	0.80	0.78	0.76	0.79	0.77	0.75	0.74
4	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.76	0.74	0.72	0.71
5	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.73	0.71	0.69	0.68
6	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.69	0.67	0.66
7	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
8	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.61
9	0.67	0.63	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.65	0.62	0.60	0.59
10	0.65	0.61	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.57

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/07	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=907.78,FM=120.58,FH=14.77,FVH=5.26
BL=861.01,BM=108.98,BH=14.72,BVH=5.22
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	9747.57	9703.09	9553.27	9320.35	8959.85	8340.69	7757.22	7119.91	6448.65
45.0	9600.67	9731.77	9749.32	9647.49	9361.32	9021.30	8566.58	7869.58	7246.90
90.0	9727.08	9659.78	9515.23	9246.03	8875.58	8266.36	7692.26	6844.85	6104.54
135.0	9685.53	9704.84	9594.82	9360.73	8956.34	8505.72	7942.73	7302.50	6414.12
180.0	9747.57	9675.58	9495.33	9116.11	8704.70	8189.11	7407.84	6698.54	5965.26
225.0	9600.67	9374.19	9057.00	8486.99	7932.20	7287.87	6381.94	5642.80	4971.54
270.0	9727.08	9660.37	9515.23	9243.10	8743.91	8223.05	7619.10	6776.38	6082.30
315.0	9685.53	9581.36	9312.74	8978.58	8513.91	7803.45	7157.36	6446.31	5722.97
360.0	9747.57	9703.09	9553.27	9320.35	8959.85	8340.69	7757.22	7119.91	6448.65

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5564.38	4885.52	4272.79	3601.53	3140.96	2673.37	2367.88	2113.89	1853.47
45.0	6568.62	5845.87	4992.03	4367.01	3805.78	3320.63	2808.55	2472.05	2137.89
90.0	5412.80	4598.17	4004.75	3486.24	3046.74	2603.14	2309.36	2065.90	1859.90
135.0	5708.34	5047.04	4417.92	3723.26	3253.91	2851.27	2514.77	2173.00	1947.69
180.0	5117.85	4481.13	3891.80	3386.17	2870.00	2520.62	2230.94	1950.03	1761.00
225.0	4333.65	3650.69	3195.39	2803.29	2473.22	2137.30	1919.01	1689.60	1535.10
270.0	5368.33	4555.45	3962.03	3449.37	2925.60	2573.88	2281.85	2002.11	1803.14
315.0	4867.96	4259.33	3719.75	3252.15	2766.42	2453.91	2186.46	1916.67	1732.91
360.0	5564.38	4885.52	4272.79	3601.53	3140.96	2673.37	2367.88	2113.89	1853.47

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1680.82	1538.03	1413.96	1164.25	1164.25	1107.13	1036.78	972.82	900.37
45.0	1917.84	1737.01	1549.73	1423.91	1313.89	1217.91	1114.33	1043.51	982.07
90.0	1649.81	1509.94	1389.38	1165.42	1165.42	1087.76	998.10	935.48	878.36
135.0	1720.03	1567.88	1439.71	1300.43	1201.53	1120.18	1045.27	963.92	902.48
180.0	1594.21	1412.79	1301.01	1203.87	1100.87	1026.54	959.24	905.99	834.59
225.0	1404.60	1150.44	1150.44	1089.92	1020.98	947.19	890.77	839.15	783.73
270.0	1636.93	1490.04	1341.98	1238.39	1150.03	1073.36	989.67	929.98	858.58
315.0	1545.05	1419.23	1164.71	1164.71	1105.20	1034.68	969.07	909.09	839.56
360.0	1680.82	1538.03	1413.96	1164.25	1164.25	1107.13	1036.78	972.82	900.37

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	842.02	785.84	711.34	649.25	582.18	497.38	426.75	344.35	285.00
45.0	924.71	852.73	798.31	740.95	664.29	597.57	528.52	441.90	375.77
90.0	804.45	747.39	688.87	623.21	538.76	469.64	403.28	342.24	270.43
135.0	846.88	786.02	712.28	647.32	581.19	492.23	424.93	362.31	303.79
180.0	783.09	726.91	647.90	581.19	509.79	438.98	352.95	307.89	307.89
225.0	711.05	647.43	579.84	507.33	420.43	354.82	295.66	227.42	180.42
270.0	801.82	745.64	667.80	599.91	527.93	459.46	376.94	318.42	304.38
315.0	784.55	725.39	663.29	579.08	507.39	438.57	358.22	300.63	235.79
360.0	842.02	785.84	711.34	649.25	582.18	497.38	426.75	344.35	285.00

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	230.46	182.12	132.03	101.48	78.95	62.33	48.28	40.79	35.76
45.0	314.32	299.69	228.71	143.15	102.36	78.65	61.45	49.63	39.85
90.0	218.00	172.76	126.00	96.62	75.20	56.36	46.00	37.34	32.83
135.0	303.79	185.40	137.06	106.45	83.10	66.13	51.15	42.96	37.10
180.0	171.94	133.02	102.65	74.91	59.40	48.52	39.27	34.41	31.08
225.0	131.68	100.72	77.89	61.21	47.46	40.09	35.00	31.37	28.27
270.0	239.18	158.01	122.37	95.10	74.15	55.71	45.76	38.98	33.42
315.0	188.44	148.30	114.88	83.28	64.96	52.38	43.42	36.34	32.48
360.0	230.46	182.12	132.03	101.48	78.95	62.33	48.28	40.79	35.76

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	31.37	28.79	26.92	25.11	24.05	23.17	22.53	22.06	21.83
45.0	34.65	31.08	28.56	26.28	24.87	23.76	22.71	22.24	21.65
90.0	29.61	27.39	25.28	24.05	23.12	22.36	21.71	21.36	21.13
135.0	33.18	29.67	27.74	26.16	24.76	23.82	23.23	22.59	22.30
180.0	28.68	26.51	25.22	24.17	23.41	22.59	22.18	21.95	21.71
225.0	26.39	25.05	23.88	22.82	22.24	21.65	21.54	21.36	21.36
270.0	30.31	27.51	25.75	24.40	23.35	22.30	21.77	21.36	21.19
315.0	29.73	27.27	25.75	24.52	23.35	22.71	22.12	21.77	21.54
360.0	31.37	28.79	26.92	25.11	24.05	23.17	22.53	22.06	21.83

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.65	21.59	21.54	21.54	21.30	21.07	20.72	20.13	19.31
45.0	21.42	21.30	21.24	21.19	21.24	21.19	21.01	20.60	20.07
90.0	20.95	20.95	20.83	20.89	20.78	20.54	20.07	19.66	18.90
135.0	22.06	21.89	21.71	21.71	21.54	21.42	21.13	20.60	19.90
180.0	21.65	21.59	21.59	21.54	21.42	21.07	20.66	20.13	19.31
225.0	21.36	21.42	21.48	21.30	21.07	20.60	19.84	18.96	18.08
270.0	21.01	21.01	21.01	21.19	21.07	20.95	20.37	19.90	19.14
315.0	21.54	21.54	21.54	21.59	21.48	21.13	20.54	20.01	19.14
360.0	21.65	21.59	21.54	21.54	21.30	21.07	20.72	20.13	19.31

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.38	17.26	16.27	15.39	14.46	13.93	13.52	13.17	12.82
45.0	19.49	18.67	17.62	16.50	15.27	14.46	13.87	13.28	12.93
90.0	18.14	16.97	15.98	14.98	14.22	13.58	13.11	12.76	12.47
135.0	19.08	18.20	17.15	15.92	15.04	14.28	13.81	13.46	13.05
180.0	18.20	17.15	16.09	15.16	14.40	14.22	14.92	15.92	16.56
225.0	16.97	15.63	14.75	13.99	13.52	13.11	12.70	12.41	12.17
270.0	17.97	16.91	15.86	14.69	14.05	13.52	13.11	12.70	12.47
315.0	17.97	16.85	15.63	14.75	14.22	13.64	13.28	13.05	13.17
360.0	18.38	17.26	16.27	15.39	14.46	13.93	13.52	13.17	12.82

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.58	12.35	12.06	11.76	11.59	11.35	11.12	10.94	10.71
45.0	12.64	12.35	12.06	11.82	11.65	11.41	11.24	11.06	10.83
90.0	12.23	12.06	11.94	11.88	11.94	11.53	11.35	11.00	10.65
135.0	12.82	12.76	13.05	13.28	13.28	13.11	12.76	12.06	11.53
180.0	16.56	16.04	15.39	15.04	14.28	13.52	12.99	12.23	11.41
225.0	11.94	11.65	11.47	11.29	11.12	10.89	10.71	10.53	10.30
270.0	12.29	12.06	12.17	12.29	12.41	12.23	12.17	11.65	11.12
315.0	14.10	15.22	16.15	16.44	16.68	15.98	15.51	13.40	11.47
360.0	12.58	12.35	12.06	11.76	11.59	11.35	11.12	10.94	10.71

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.48	10.30	10.07	9.77	9.60	9.42	9.19	9.01	8.84
45.0	10.65	10.42	10.18	9.95	9.77	9.54	9.31	9.07	8.95
90.0	10.24	9.95	9.77	9.60	9.42	9.19	9.07	8.95	8.78
135.0	10.89	10.48	10.12	9.83	9.54	9.25	9.13	8.95	8.78
180.0	10.71	10.12	9.89	9.60	9.31	9.07	8.95	8.84	8.72
225.0	10.12	10.01	9.89	9.60	9.13	9.01	8.90	8.72	8.72
270.0	10.59	10.18	10.01	9.83	9.77	9.19	9.01	8.84	8.72
315.0	10.36	10.07	9.83	9.66	9.54	9.19	8.95	8.84	8.72
360.0	10.48	10.30	10.07	9.77	9.60	9.42	9.19	9.01	8.84

Intensity data(cd)

C/γ(°)	90.0
0.0	8.78
45.0	8.84
90.0	8.72
135.0	8.66
180.0	8.72
225.0	8.72
270.0	8.72
315.0	8.66
360.0	8.78