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NT

Client:
LumCAT: 2-2678-L
Luminaire: 92.70.411.00
Report No: 2024407-B012
Ballast type: AC

Test No: 2024407-C012	Voltage(V): 34.860
LampCAT: Fortimo_SLM_C_1205	Current(A): 0.401
Lamp flux(lm): 2388.0	Power (W): 13.978
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2037.30, Efficiency(%): 85.31% , Luminous Efficacy(lm/W): 145.75
Central intensity(cd): 9678.949, Maximum intensity(cd): 9678.949
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=19.6
[C90/270]Total=19.6
Field angle(10%Imax): [C0/180]Total=49.2
[C90/270]Total=49.2
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(%): 85.31%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.932%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9678.948	0.000	0	0.00%	0.00%
1.0	9622.840	9.236	9.236	0.39%	0.45%
2.0	9463.878	27.395	36.631	1.15%	1.80%
3.0	9176.972	44.583	81.213	1.87%	3.99%
4.0	8776.312	60.095	141.309	2.52%	6.94%
5.0	8237.466	73.192	214.501	3.07%	10.53%
6.0	7615.811	83.313	297.814	3.49%	14.62%
7.0	6890.278	90.039	387.853	3.77%	19.04%
8.0	6121.366	93.122	480.975	3.90%	23.61%
9.0	5401.832	93.389	574.365	3.91%	28.19%
10.0	4694.733	91.370	665.735	3.83%	32.68%
11.0	4038.696	87.265	753	3.65%	36.96%
12.0	3477.100	82.158	835.158	3.44%	40.99%
13.0	3035.913	77.293	912.451	3.24%	44.79%
14.0	2651.128	72.794	985.245	3.05%	48.36%
15.0	2325.743	68.325	1053.569	2.86%	51.71%
16.0	2052.662	64.156	1117.725	2.69%	54.86%
17.0	1835.178	60.544	1178.269	2.54%	57.83%
18.0	1647.760	57.426	1235.696	2.40%	60.65%
19.0	1473.377	54.301	1289.997	2.27%	63.32%
20.0	1322.345	51.169	1341.166	2.14%	65.83%
21.0	1213.164	48.687	1389.853	2.04%	68.22%
22.0	1148.043	47.449	1437.303	1.99%	70.55%
23.0	1072.469	46.592	1483.895	1.95%	72.84%
24.0	1003.185	45.381	1529.276	1.90%	75.06%
25.0	948.350	44.374	1573.65	1.86%	77.24%
26.0	892.878	43.462	1617.112	1.82%	79.38%
27.0	836.652	42.313	1659.426	1.77%	81.45%
28.0	773.038	40.754	1700.18	1.71%	83.45%
29.0	696.579	38.449	1738.629	1.61%	85.34%
30.0	621.948	35.600	1774.229	1.49%	87.09%
31.0	540.148	32.339	1806.568	1.35%	88.67%
32.0	457.829	28.591	1835.159	1.20%	90.08%
33.0	380.813	24.707	1859.866	1.03%	91.29%
34.0	310.411	20.918	1880.784	0.88%	92.32%
35.0	262.261	17.785	1898.57	0.74%	93.19%
36.0	198.347	14.666	1913.235	0.61%	93.91%
37.0	135.509	10.889	1924.124	0.46%	94.44%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	87.250	7.435	1931.559	0.31%	94.81%
39.0	65.948	5.229	1936.788	0.22%	95.07%
40.0	56.408	4.267	1941.056	0.18%	95.28%
41.0	51.383	3.838	1944.894	0.16%	95.46%
42.0	47.601	3.596	1948.49	0.15%	95.64%
43.0	44.323	3.405	1951.895	0.14%	95.81%
44.0	41.449	3.237	1955.133	0.14%	95.97%
45.0	38.939	3.089	1958.222	0.13%	96.12%
46.0	36.562	2.953	1961.175	0.12%	96.26%
47.0	34.397	2.822	1963.997	0.12%	96.40%
48.0	32.524	2.705	1966.702	0.11%	96.53%
49.0	30.936	2.606	1969.308	0.11%	96.66%
50.0	29.532	2.521	1971.829	0.11%	96.79%
51.0	28.376	2.450	1974.279	0.10%	96.91%
52.0	27.491	2.397	1976.677	0.10%	97.02%
53.0	26.774	2.361	1979.037	0.10%	97.14%
54.0	26.196	2.335	1981.372	0.10%	97.25%
55.0	25.830	2.322	1983.694	0.10%	97.37%
56.0	25.472	2.318	1986.013	0.10%	97.48%
57.0	25.106	2.313	1988.325	0.10%	97.60%
58.0	24.733	2.305	1990.63	0.10%	97.71%
59.0	24.228	2.289	1992.919	0.10%	97.82%
60.0	23.555	2.257	1995.176	0.09%	97.93%
61.0	22.729	2.209	1997.385	0.09%	98.04%
62.0	21.690	2.140	1999.525	0.09%	98.15%
63.0	20.461	2.050	2001.575	0.09%	98.25%
64.0	19.166	1.944	2003.52	0.08%	98.34%
65.0	17.696	1.824	2005.344	0.08%	98.43%
66.0	16.423	1.702	2007.046	0.07%	98.51%
67.0	15.333	1.597	2008.643	0.07%	98.59%
68.0	14.638	1.518	2010.161	0.06%	98.67%
69.0	14.221	1.472	2011.634	0.06%	98.74%
70.0	13.936	1.446	2013.08	0.06%	98.81%
71.0	13.716	1.429	2014.509	0.06%	98.88%
72.0	13.577	1.419	2015.928	0.06%	98.95%
73.0	13.446	1.413	2017.341	0.06%	99.02%
74.0	13.372	1.410	2018.751	0.06%	99.09%
75.0	13.292	1.409	2020.16	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.124	1.402	2021.562	0.06%	99.23%
77.0	12.765	1.380	2022.943	0.06%	99.30%
78.0	12.392	1.347	2024.289	0.06%	99.36%
79.0	11.822	1.301	2025.59	0.05%	99.43%
80.0	11.258	1.244	2026.834	0.05%	99.49%
81.0	10.629	1.184	2028.018	0.05%	99.54%
82.0	10.256	1.133	2029.151	0.05%	99.60%
83.0	9.978	1.100	2030.251	0.05%	99.65%
84.0	9.722	1.073	2031.324	0.04%	99.71%
85.0	9.495	1.049	2032.373	0.04%	99.76%
86.0	9.217	1.023	2033.396	0.04%	99.81%
87.0	9.027	0.998	2034.394	0.04%	99.86%
88.0	8.881	0.981	2035.375	0.04%	99.91%
89.0	8.764	0.967	2036.342	0.04%	99.95%
90.0	8.720	0.959	2037.301	0.04%	100.00%

Zonal flux distribution table

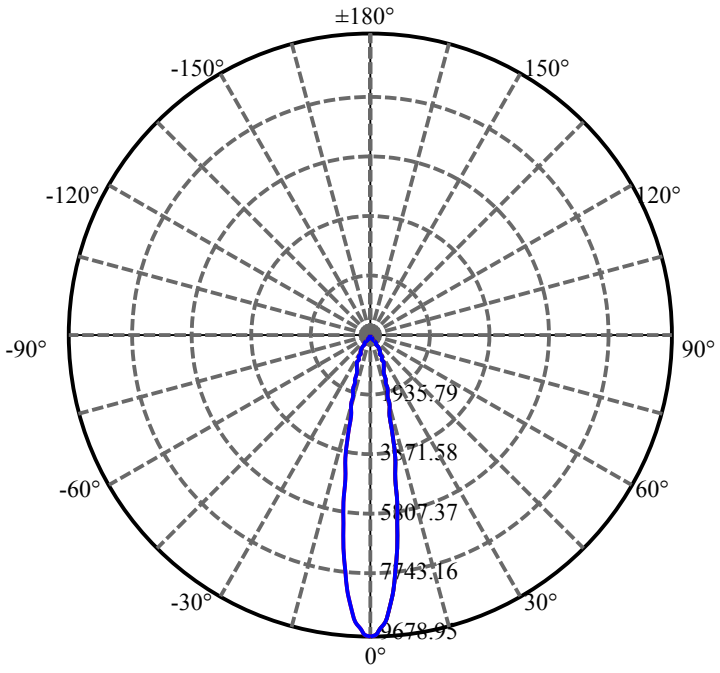
ZONAL LUMEN SUMMARY

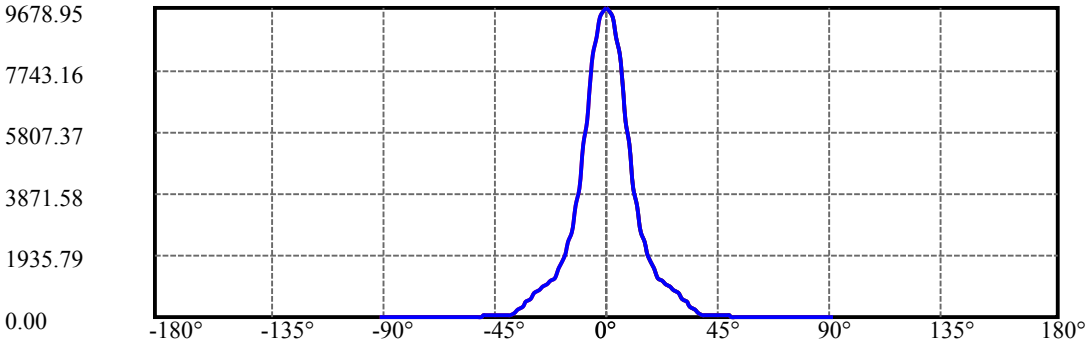
Zone	Lumens	%Lamp	%Fixt
0-30	1774.23	74.30%	87.09%
0-40	1941.06	81.28%	95.28%
0-60	1995.18	83.55%	97.93%
0-90	2036.34	85.27%	99.95%
0-120	2036.34	85.27%	99.95%
0-180	2037.30	85.31%	100.00%
60-90	41.17	1.72%	2.02%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.30	1629.84	68.25%	80.00%

ZONAL LUMEN SUMMARY

0-10	665.73
10-20	675.43
20-30	433.06
30-40	166.83
40-50	30.77
50-60	23.35
60-70	17.90
70-80	13.75
80-90	9.51
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):

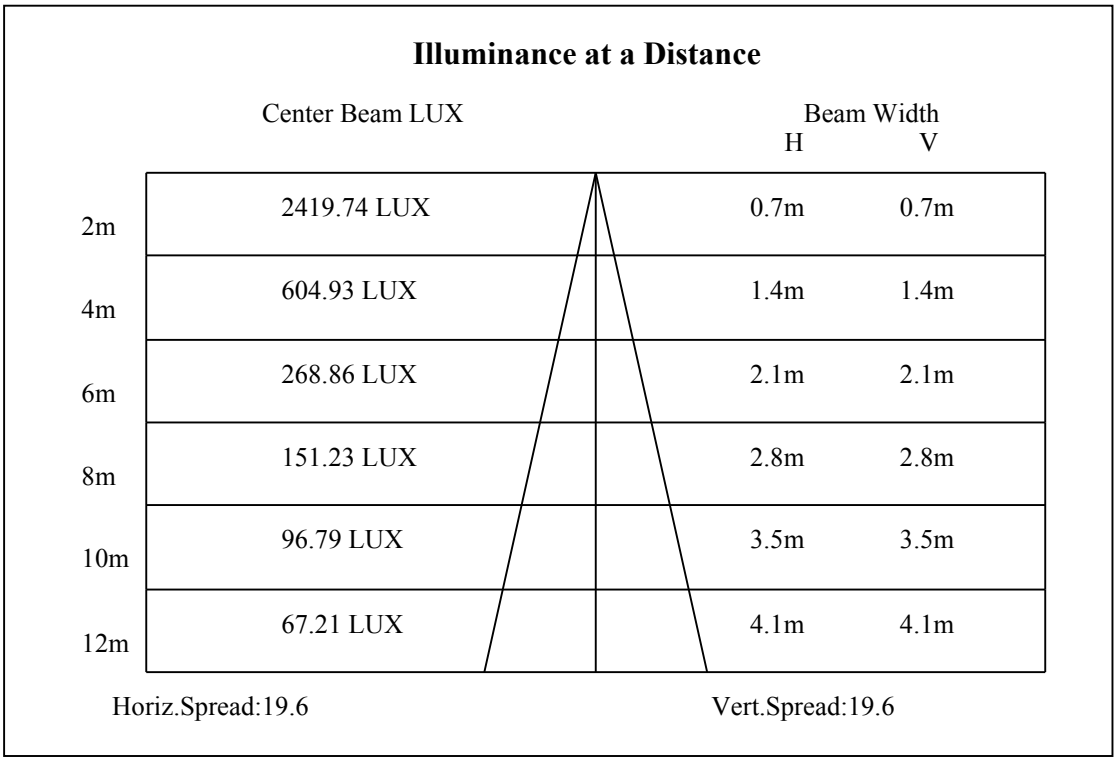
C0/C180:

C90/C270:

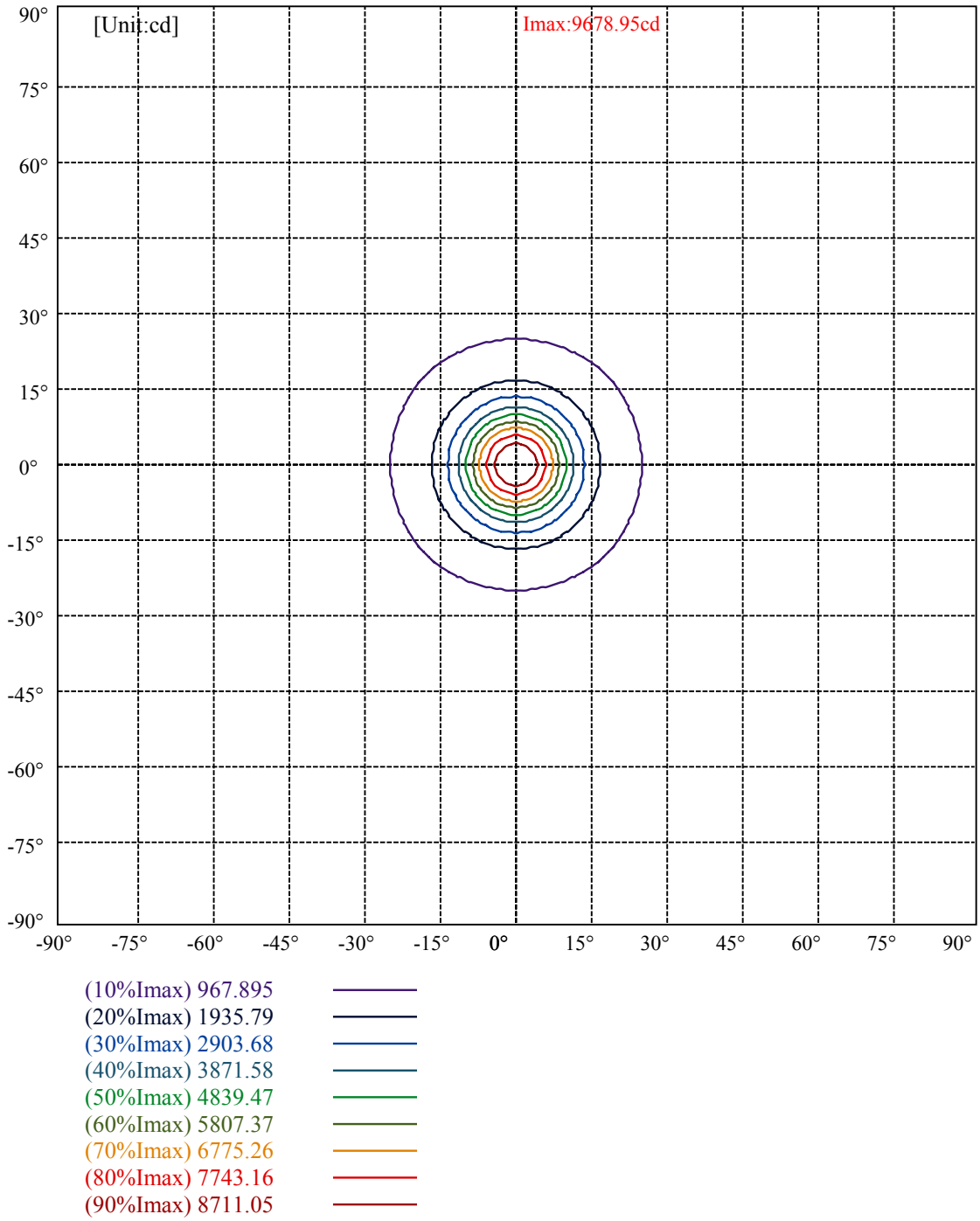
Field angle(10%Imax):C0/180Left:24.6 Right:24.6
:C90/270Left:24.6 Right:24.6

Beam Angle(50%Imax):C0/180Left:9.8 Right:9.8
:C90/270Left:9.8 Right:9.8

Lux distance Curve



ISO-Intensity(V-H)



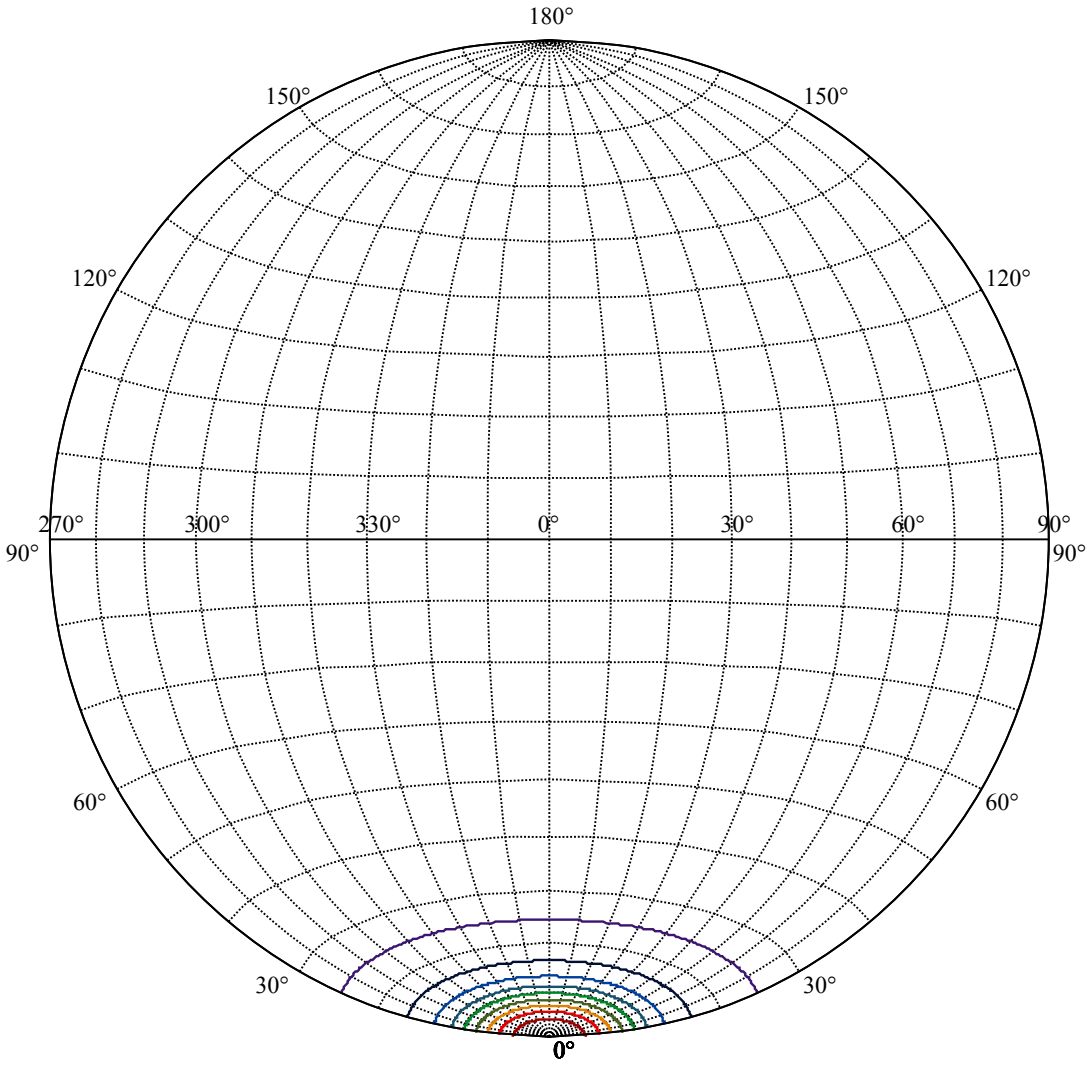
(10%Imax) 967.895
(20%Imax) 1935.79
(30%Imax) 2903.68
(40%Imax) 3871.58
(50%Imax) 4839.47
(60%Imax) 5807.37
(70%Imax) 6775.26
(80%Imax) 7743.16
(90%Imax) 8711.05

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



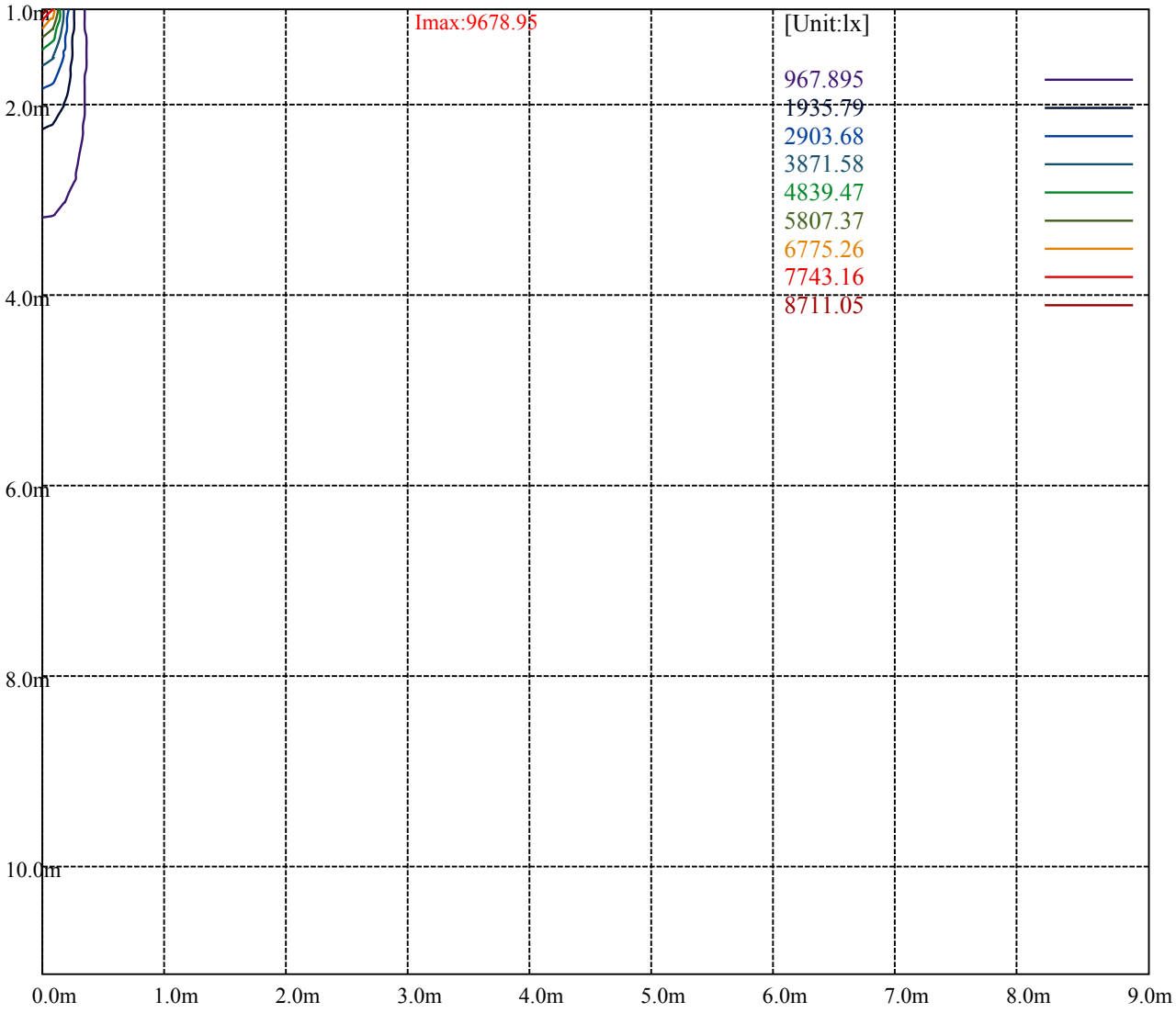
House [Unit:cd] Road

Imax:9678.95

(10%Imax) 967.895
(20%Imax) 1935.79
(30%Imax) 2903.68
(40%Imax) 3871.58
(50%Imax) 4839.47
(60%Imax) 5807.37
(70%Imax) 6775.26
(80%Imax) 7743.16
(90%Imax) 8711.05

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

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

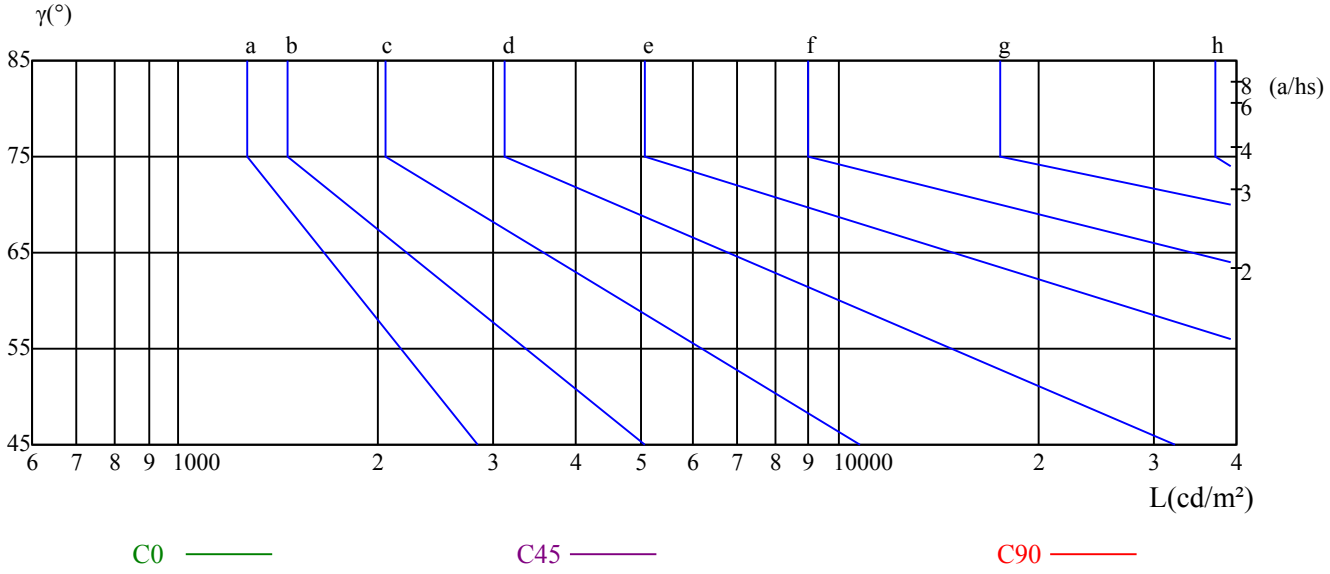
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

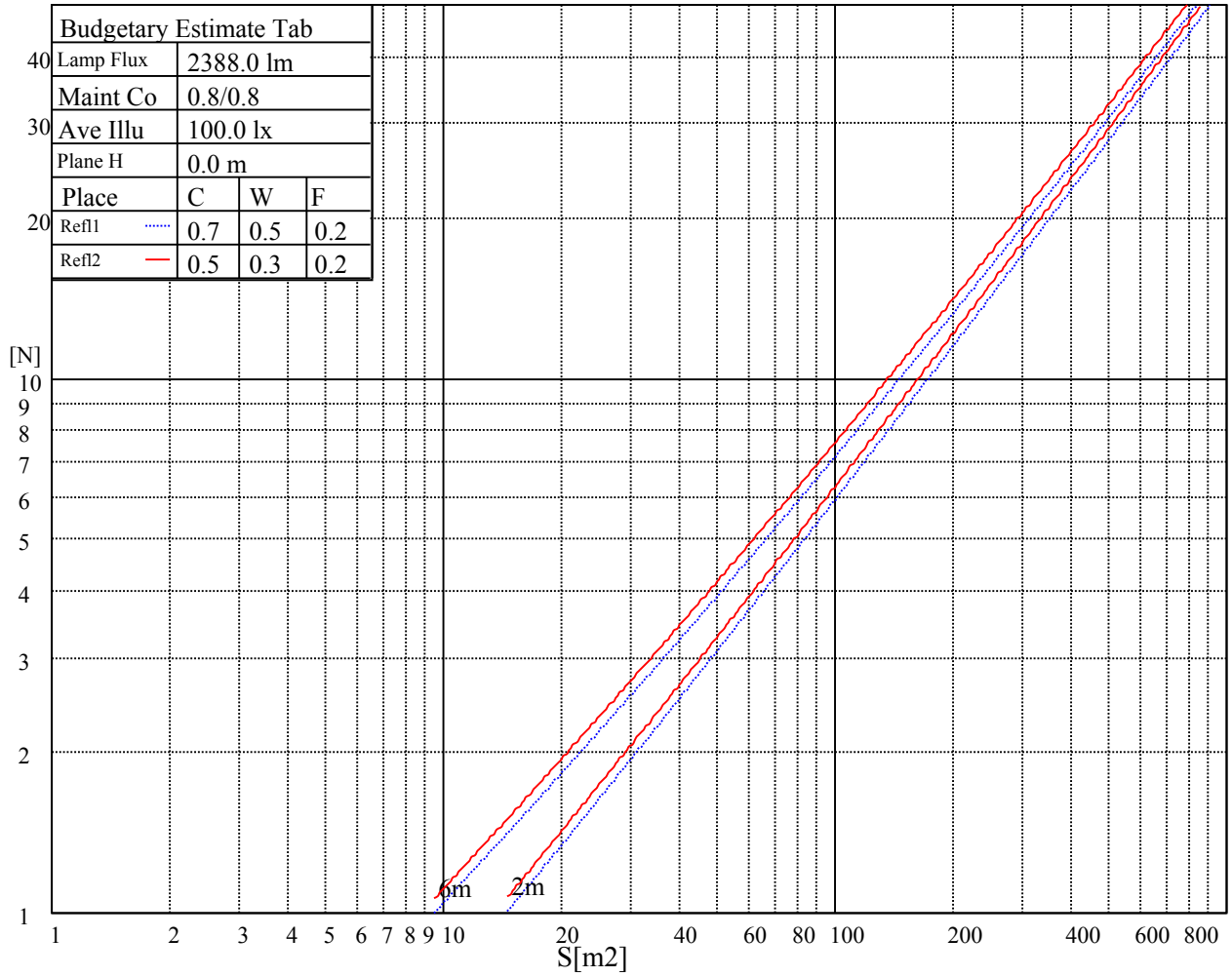
Luminance Limitting Curve



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

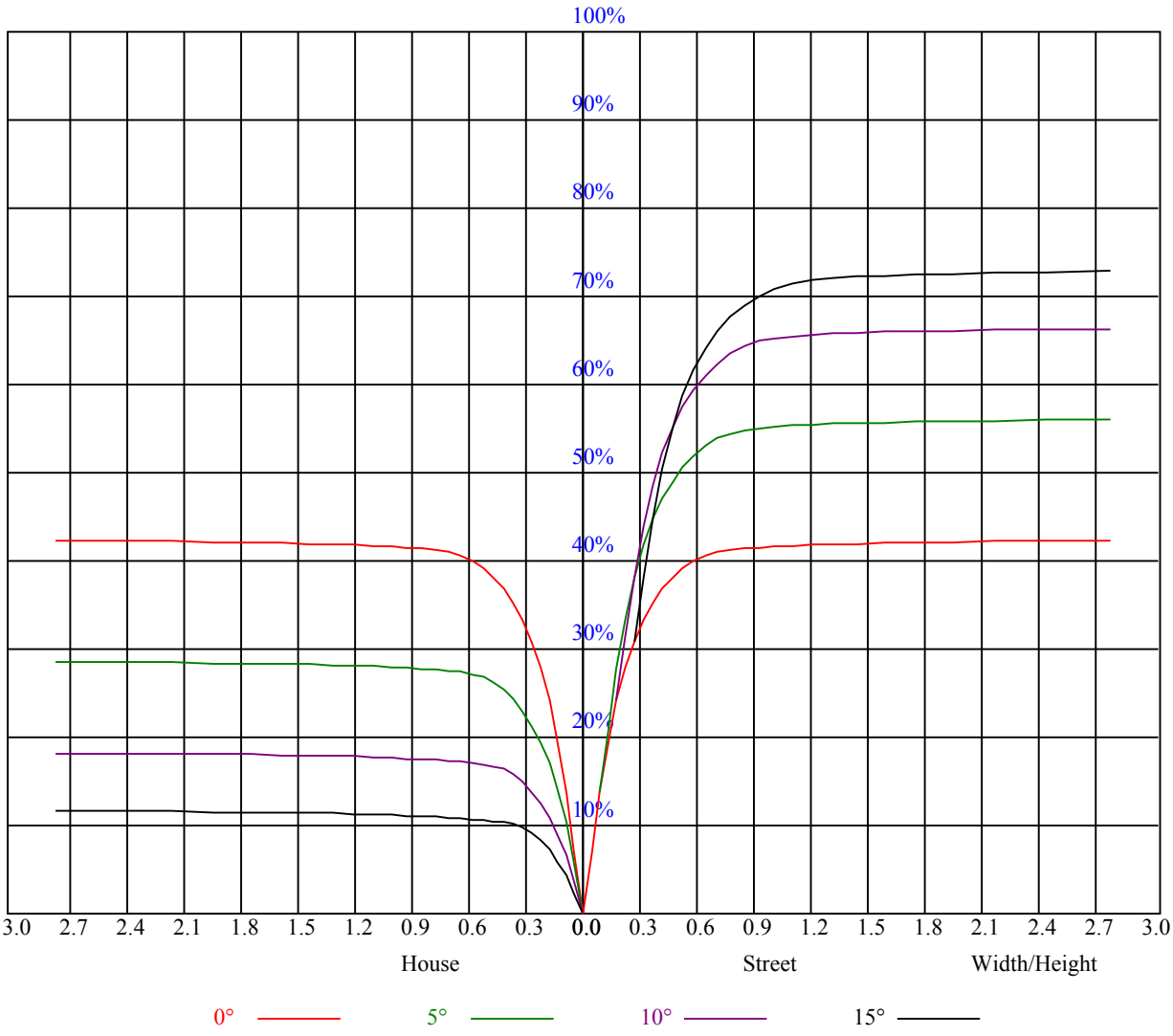


Equipment: GMS1980 Date: 2024/4/07 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

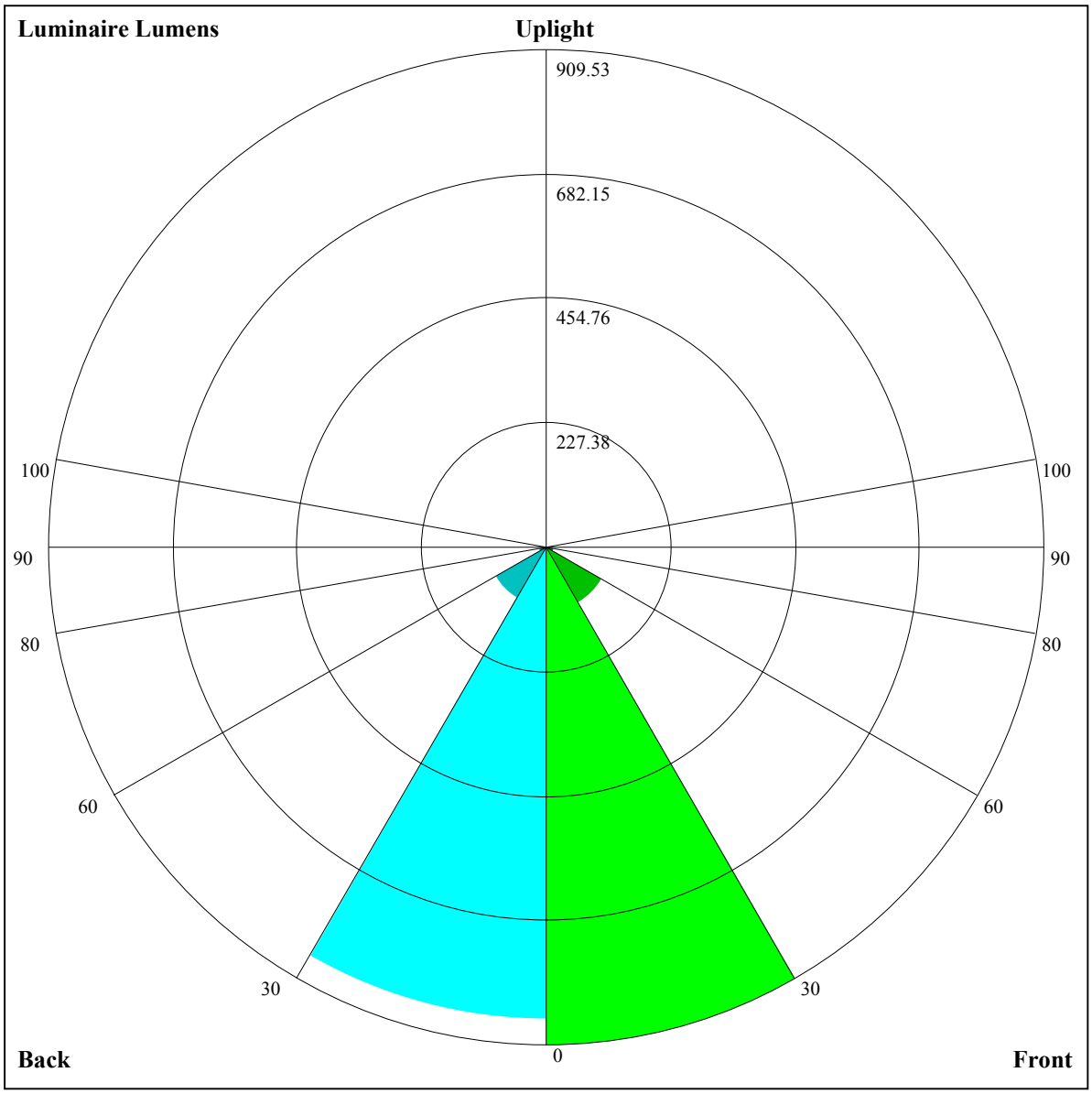
Utilization factor table for indoor luminaire

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	1.02	1.02	1.02	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	0.94	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	0.85	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	0.61	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=909.53,FM=116.71,FH=15.8,FVH=5.28
BL=863.63,BM=107.13,BH=15.7,BVH=5.23
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	9714.21	9685.53	9570.24	9342.59	8907.77	8416.76	7840.90	7191.30	6319.32
45.0	9636.96	9720.06	9708.36	9581.36	9375.95	9048.22	8598.18	7899.43	7246.31
90.0	9702.50	9621.74	9487.73	9233.15	8861.54	8227.74	7626.71	6952.53	6049.53
135.0	9662.12	9677.34	9576.68	9358.98	8966.88	8494.01	7915.81	7268.55	6391.89
180.0	9714.21	9659.20	9426.86	9131.91	8718.74	8182.09	7387.94	6704.98	5994.52
225.0	9636.96	9396.43	9095.04	8533.81	7967.90	7323.56	6609.00	5710.10	5006.66
270.0	9702.50	9655.10	9505.87	9208.57	8824.08	8322.54	7718.59	6871.77	6163.65
315.0	9662.12	9567.32	9340.25	9025.40	8587.65	7884.79	7229.34	6523.56	5799.05
360.0	9714.21	9685.53	9570.24	9342.59	8907.77	8416.76	7840.90	7191.30	6319.32

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5601.25	4905.41	4264.59	3585.15	3134.52	2751.79	2366.71	2113.89	1899.11
45.0	6557.50	5851.72	4970.37	4325.46	3763.06	3277.32	2779.29	2451.57	2117.99
90.0	5348.43	4664.30	3907.02	3401.39	2977.68	2543.45	2259.61	2019.67	1819.52
135.0	5683.18	4988.52	4341.84	3658.89	3197.73	2806.80	2478.49	2144.32	1923.69
180.0	5285.23	4455.38	3873.66	3375.05	2956.62	2518.87	2233.28	1952.95	1766.27
225.0	4350.04	3786.46	3203.58	2814.99	2489.61	2222.74	1940.66	1754.56	1553.25
270.0	5463.13	4617.48	4005.92	3379.15	2974.17	2613.09	2336.28	2044.83	1848.78
315.0	4925.90	4288.59	3742.57	3276.73	2793.92	2474.98	2211.62	1939.49	1752.81
360.0	5601.25	4905.41	4264.59	3585.15	3134.52	2751.79	2366.71	2113.89	1899.11

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1682.00	1533.35	1375.92	1152.25	1152.25	1096.95	1017.18	963.34	917.40
45.0	1902.04	1720.62	1528.08	1398.16	1285.80	1189.24	1089.75	1024.79	967.44
90.0	1612.35	1472.48	1274.09	1150.55	1130.77	1058.50	995.35	931.68	885.68
135.0	1697.21	1544.47	1413.38	1275.85	1183.38	1104.38	1039.42	981.48	920.62
180.0	1598.31	1413.96	1296.92	1199.18	1097.36	1026.54	966.85	920.03	856.83
225.0	1419.23	1157.17	1157.17	1100.28	1035.44	968.08	922.08	876.90	825.58
270.0	1677.31	1520.47	1369.49	1265.31	1175.78	1099.70	1016.59	961.58	900.72
315.0	1593.63	1424.50	1163.72	1163.72	1123.57	1036.37	978.26	927.00	868.77
360.0	1682.00	1533.35	1375.92	1152.25	1152.25	1096.95	1017.18	963.34	917.40

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	873.86	808.08	745.58	676.64	601.85	502.01	421.65	324.92	252.47
45.0	915.94	862.09	810.01	745.64	654.93	581.77	508.62	417.32	345.93
90.0	821.54	756.17	685.06	613.43	521.38	448.28	378.06	315.32	236.61
135.0	872.63	817.03	729.25	654.93	581.19	486.97	414.40	343.00	308.47
180.0	805.91	744.46	671.90	584.70	506.86	427.27	331.30	297.35	297.35
225.0	740.02	665.28	588.33	510.32	416.39	344.76	277.51	200.79	147.71
270.0	848.05	780.16	686.53	609.86	532.61	457.70	369.92	305.55	305.55
315.0	815.28	751.02	655.98	580.08	505.99	413.87	345.05	279.04	204.01
360.0	873.86	808.08	745.58	676.64	601.85	502.01	421.65	324.92	252.47

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	189.91	126.76	89.13	66.31	57.24	52.03	48.22	45.12	42.60
45.0	295.01	295.01	139.23	93.87	63.97	55.42	51.38	47.75	43.95
90.0	177.67	125.30	85.38	59.99	54.60	49.63	46.00	43.25	40.15
135.0	308.47	138.41	87.37	65.84	56.77	52.61	48.05	45.00	42.43
180.0	137.64	98.96	73.50	60.04	55.01	50.91	47.40	43.77	41.32
225.0	95.10	71.46	59.87	55.07	49.80	46.23	43.25	40.50	37.51
270.0	232.10	121.43	85.27	65.66	58.17	52.73	48.63	44.77	41.84
315.0	150.87	106.75	78.24	60.80	55.71	51.50	47.87	44.42	41.79
360.0	189.91	126.76	89.13	66.31	57.24	52.03	48.22	45.12	42.60

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	39.62	37.28	35.23	33.07	31.60	30.20	28.85	27.97	27.21
45.0	41.49	39.15	36.46	34.53	32.77	30.90	29.67	28.68	27.62
90.0	37.81	35.70	33.30	31.72	30.26	29.09	27.86	27.15	26.51
135.0	40.15	37.40	35.41	33.65	31.72	30.37	28.97	28.09	27.39
180.0	39.03	36.64	34.24	32.42	31.02	29.38	28.38	27.27	26.69
225.0	35.29	33.30	31.60	29.85	28.62	27.39	26.51	26.04	25.46
270.0	38.74	36.40	34.35	32.54	30.49	29.14	28.03	27.15	26.34
315.0	39.39	36.64	34.59	32.42	31.02	29.79	28.73	27.56	26.98
360.0	39.62	37.28	35.23	33.07	31.60	30.20	28.85	27.97	27.21

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.45	26.10	25.75	25.46	24.81	24.40	23.76	23.17	21.95
45.0	26.92	26.45	26.04	25.52	25.34	24.99	24.64	23.82	23.12
90.0	26.04	25.69	25.34	24.99	24.70	24.17	23.47	22.59	21.71
135.0	26.74	26.28	25.93	25.63	25.16	24.81	24.23	23.58	22.65
180.0	26.10	25.69	25.28	24.81	24.58	23.94	23.23	22.18	21.36
225.0	25.11	24.93	24.58	24.23	23.70	23.17	22.00	21.13	19.78
270.0	25.69	25.40	25.16	24.81	24.52	23.94	23.41	22.59	21.42
315.0	26.51	26.10	25.69	25.40	25.05	24.40	23.70	22.77	21.54
360.0	26.45	26.10	25.75	25.46	24.81	24.40	23.76	23.17	21.95

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.89	19.61	18.08	16.80	15.51	14.75	14.22	13.69	13.34
45.0	22.12	20.95	19.61	18.02	16.68	15.57	14.75	14.05	13.64
90.0	20.48	19.02	17.56	16.39	15.27	14.40	13.87	13.52	13.11
135.0	21.36	20.19	18.55	17.21	15.86	15.04	14.46	14.05	13.58
180.0	19.72	18.67	17.15	15.98	15.10	14.86	15.33	16.21	16.85
225.0	18.67	16.85	15.80	14.81	14.10	13.64	13.23	12.87	12.58
270.0	20.19	19.02	17.56	16.04	14.92	14.34	13.81	13.34	13.05
315.0	20.25	19.02	17.26	16.15	15.22	14.51	14.10	13.75	13.58
360.0	20.89	19.61	18.08	16.80	15.51	14.75	14.22	13.69	13.34

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.11	12.76	12.41	12.11	11.88	11.59	11.29	11.12	10.83
45.0	13.28	12.93	12.58	12.29	12.00	11.82	11.47	11.24	11.00
90.0	12.82	12.76	12.64	12.58	12.70	12.17	12.00	11.53	11.00
135.0	13.46	13.69	14.16	14.51	14.46	14.22	13.69	12.99	12.29
180.0	16.80	16.21	15.51	15.16	14.28	13.58	12.99	12.17	11.41
225.0	12.35	12.06	11.76	11.53	11.35	11.00	10.83	10.65	10.42
270.0	12.82	12.52	12.52	12.52	12.58	12.47	12.23	11.65	11.24
315.0	13.99	14.63	15.39	15.63	15.74	15.27	14.63	13.23	11.88
360.0	13.11	12.76	12.41	12.11	11.88	11.59	11.29	11.12	10.83

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.59	10.36	10.07	9.77	9.60	9.42	9.13	8.95	8.84
45.0	10.77	10.53	10.24	10.01	9.77	9.54	9.25	9.07	8.95
90.0	10.48	10.07	9.89	9.66	9.42	9.19	9.01	8.90	8.78
135.0	11.35	10.59	10.07	9.83	9.54	9.19	9.07	8.90	8.78
180.0	10.65	10.12	9.89	9.54	9.31	9.07	8.90	8.78	8.66
225.0	10.12	9.95	9.77	9.48	9.13	8.95	8.84	8.72	8.66
270.0	10.65	10.24	9.95	9.77	9.71	9.19	9.01	8.90	8.72
315.0	10.42	10.18	9.95	9.71	9.48	9.19	9.01	8.84	8.72
360.0	10.59	10.36	10.07	9.77	9.60	9.42	9.13	8.95	8.84

Intensity data(cd)

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