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NT

Client:
LumCAT: 2-2681-L
Luminaire: 92.70.412.00
Report No: 2024301-B010
Ballast type: AC

Test No: 2024301-C010	Voltage(V): 34.330
LampCAT: LUMINUS CXM-14-AC40	Current(A): 0.530
Lamp flux(lm): 2575.0	Power (W): 18.194
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2124.85, Efficiency(%): 82.52% , Luminous Efficacy(lm/W): 116.79
Central intensity(cd): 3890.781, Maximum intensity(cd): 3890.781
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=43.6
[C90/270]Total=43.6
Field angle(10%Imax): [C0/180]Total=68.0
[C90/270]Total=68.0
Maximum s/h(1/2): C0_180=0.70 C90_270=0.70
Maximum s/h(1/4): C0_180=0.69 C90_270=0.69
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.52%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.736%

Equipment: GMS1980	Date: 2024/3/01	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	3890.781	0.000	0	0.00%	0.00%
1.0	3884.855	3.720	3.72	0.14%	0.18%
2.0	3868.103	11.128	14.848	0.43%	0.70%
3.0	3841.183	18.438	33.286	0.72%	1.57%
4.0	3804.972	25.594	58.88	0.99%	2.77%
5.0	3757.057	32.531	91.412	1.26%	4.30%
6.0	3702.192	39.200	130.612	1.52%	6.15%
7.0	3637.378	45.557	176.169	1.77%	8.29%
8.0	3564.371	51.542	227.71	2.00%	10.72%
9.0	3491.072	57.181	284.891	2.22%	13.41%
10.0	3402.045	62.380	347.271	2.42%	16.34%
11.0	3311.115	67.078	414.349	2.60%	19.50%
12.0	3208.701	71.271	485.62	2.77%	22.85%
13.0	3112.212	75.013	560.634	2.91%	26.38%
14.0	3000.653	78.244	638.878	3.04%	30.07%
15.0	2885.730	80.811	719.689	3.14%	33.87%
16.0	2757.712	82.692	802.381	3.21%	37.76%
17.0	2634.376	83.969	886.35	3.26%	41.71%
18.0	2500.359	84.661	971.011	3.29%	45.70%
19.0	2358.296	84.531	1055.541	3.28%	49.68%
20.0	2208.112	83.578	1139.119	3.25%	53.61%
21.0	2068.244	82.115	1221.234	3.19%	57.47%
22.0	1919.377	80.133	1301.367	3.11%	61.25%
23.0	1786.238	77.754	1379.121	3.02%	64.90%
24.0	1619.098	74.453	1453.574	2.89%	68.41%
25.0	1479.105	70.446	1524.02	2.74%	71.72%
26.0	1341.270	66.575	1590.595	2.59%	74.86%
27.0	1205.754	62.313	1652.909	2.42%	77.79%
28.0	1090.347	58.132	1711.041	2.26%	80.53%
29.0	953.529	53.474	1764.515	2.08%	83.04%
30.0	830.076	48.157	1812.672	1.87%	85.31%
31.0	703.177	42.668	1855.34	1.66%	87.32%
32.0	589.278	37.027	1892.367	1.44%	89.06%
33.0	482.986	31.589	1923.957	1.23%	90.55%
34.0	388.019	26.359	1950.316	1.02%	91.79%
35.0	303.959	21.490	1971.806	0.83%	92.80%
36.0	248.377	17.586	1989.393	0.68%	93.62%
37.0	179.840	13.966	2003.359	0.54%	94.28%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	123.819	10.136	2013.494	0.39%	94.76%
39.0	77.396	6.868	2020.362	0.27%	95.08%
40.0	58.947	4.755	2025.117	0.18%	95.31%
41.0	48.713	3.834	2028.951	0.15%	95.49%
42.0	43.307	3.343	2032.294	0.13%	95.64%
43.0	39.708	3.075	2035.369	0.12%	95.79%
44.0	36.986	2.895	2038.264	0.11%	95.92%
45.0	34.989	2.766	2041.03	0.11%	96.06%
46.0	33.343	2.672	2043.703	0.10%	96.18%
47.0	32.026	2.600	2046.302	0.10%	96.30%
48.0	30.783	2.539	2048.842	0.10%	96.42%
49.0	29.773	2.487	2051.328	0.10%	96.54%
50.0	28.888	2.446	2053.774	0.09%	96.65%
51.0	28.120	2.412	2056.186	0.09%	96.77%
52.0	27.352	2.380	2058.566	0.09%	96.88%
53.0	26.708	2.352	2060.918	0.09%	96.99%
54.0	26.094	2.327	2063.245	0.09%	97.10%
55.0	25.560	2.306	2065.551	0.09%	97.21%
56.0	24.989	2.284	2067.835	0.09%	97.32%
57.0	24.462	2.261	2070.096	0.09%	97.42%
58.0	23.936	2.238	2072.334	0.09%	97.53%
59.0	23.416	2.214	2074.548	0.09%	97.63%
60.0	22.904	2.188	2076.736	0.08%	97.74%
61.0	22.407	2.162	2078.899	0.08%	97.84%
62.0	21.873	2.134	2081.032	0.08%	97.94%
63.0	21.361	2.103	2083.135	0.08%	98.04%
64.0	20.841	2.071	2085.206	0.08%	98.13%
65.0	20.285	2.035	2087.241	0.08%	98.23%
66.0	19.737	1.997	2089.238	0.08%	98.32%
67.0	19.247	1.960	2091.198	0.08%	98.42%
68.0	18.808	1.928	2093.126	0.07%	98.51%
69.0	18.457	1.901	2095.027	0.07%	98.60%
70.0	18.135	1.879	2096.906	0.07%	98.68%
71.0	17.696	1.852	2098.758	0.07%	98.77%
72.0	17.111	1.810	2100.568	0.07%	98.86%
73.0	16.511	1.758	2102.326	0.07%	98.94%
74.0	15.845	1.701	2104.027	0.07%	99.02%
75.0	15.223	1.642	2105.669	0.06%	99.10%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.667	1.587	2107.255	0.06%	99.17%
77.0	14.126	1.535	2108.79	0.06%	99.24%
78.0	13.665	1.488	2110.278	0.06%	99.31%
79.0	13.321	1.450	2111.728	0.06%	99.38%
80.0	12.985	1.418	2113.146	0.06%	99.45%
81.0	12.677	1.388	2114.534	0.05%	99.51%
82.0	12.312	1.355	2115.889	0.05%	99.58%
83.0	11.822	1.312	2117.201	0.05%	99.64%
84.0	11.149	1.251	2118.452	0.05%	99.70%
85.0	10.388	1.175	2119.628	0.05%	99.75%
86.0	9.839	1.106	2120.734	0.04%	99.81%
87.0	9.488	1.058	2121.791	0.04%	99.86%
88.0	9.342	1.031	2122.823	0.04%	99.90%
89.0	9.247	1.019	2123.842	0.04%	99.95%
90.0	9.203	1.012	2124.853	0.04%	100.00%

Zonal flux distribution table

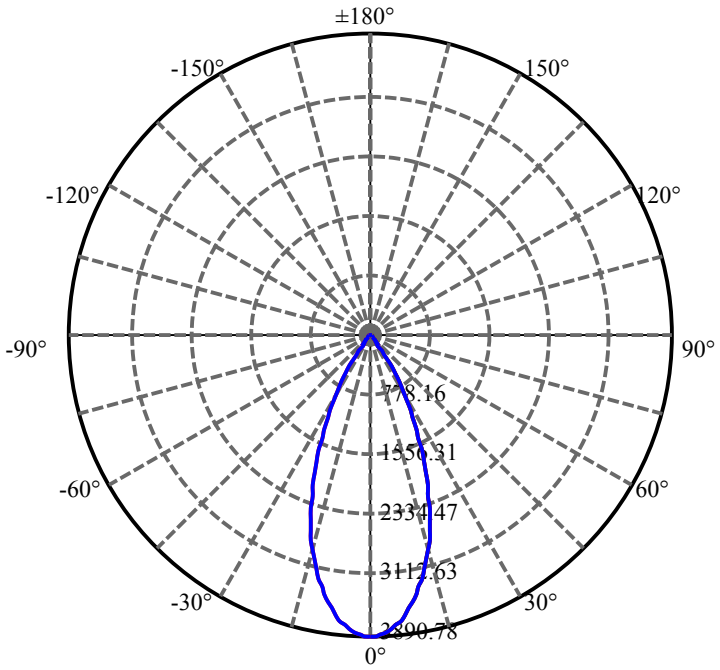
ZONAL LUMEN SUMMARY

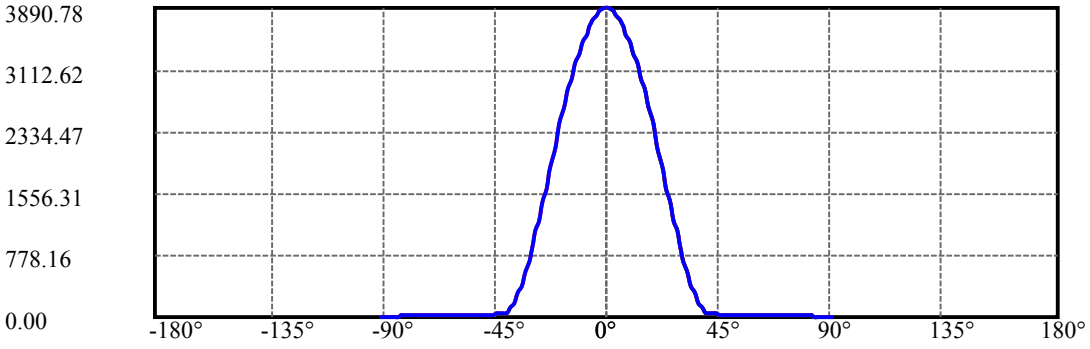
Zone	Lumens	%Lamp	%Fixt
0-30	1812.67	70.40%	85.31%
0-40	2025.12	78.65%	95.31%
0-60	2076.74	80.65%	97.74%
0-90	2123.84	82.48%	99.95%
0-120	2123.84	82.48%	99.95%
0-180	2124.85	82.52%	100.00%
60-90	47.11	1.83%	2.22%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.81	1699.88	66.01%	80.00%

ZONAL LUMEN SUMMARY

0-10	347.27
10-20	791.85
20-30	673.55
30-40	212.45
40-50	28.66
50-60	22.96
60-70	20.17
70-80	16.24
80-90	10.70
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):

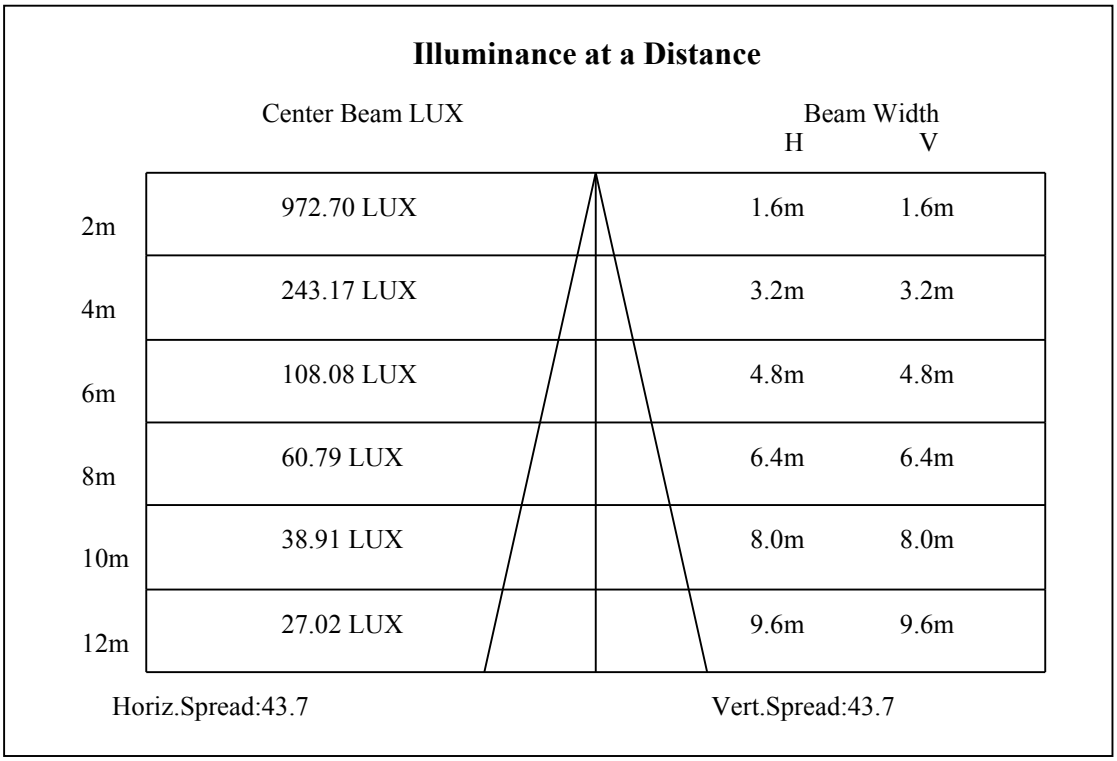
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:34.0 Right:34.0
:C90/270Left:34.0 Right:34.0

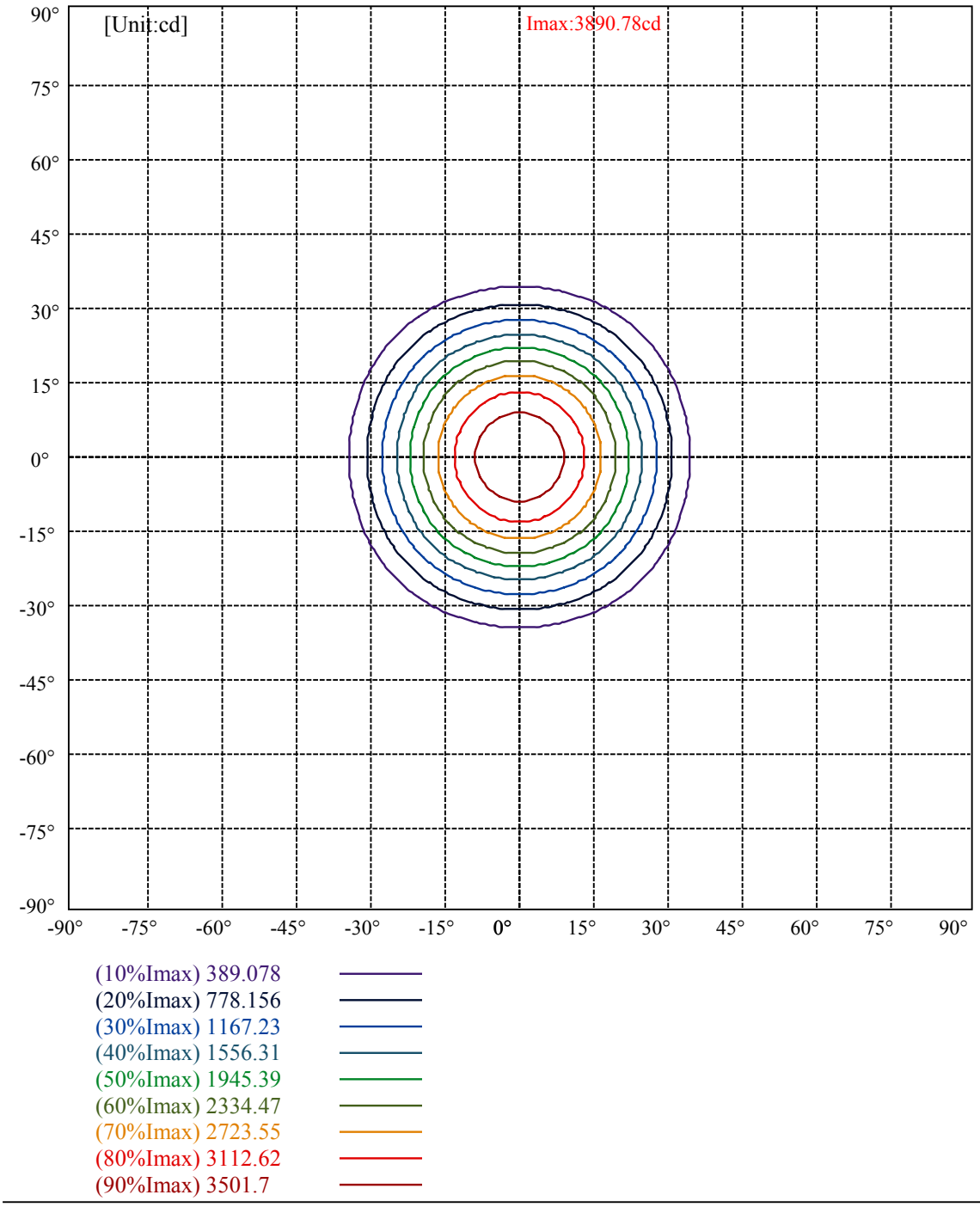
Beam Angle(50%Imax):C0/180Left:21.8 Right:21.8
:C90/270Left:21.8 Right:21.8

Lux distance Curve



Equipment: GMS1980 Date: 2024/3/01 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

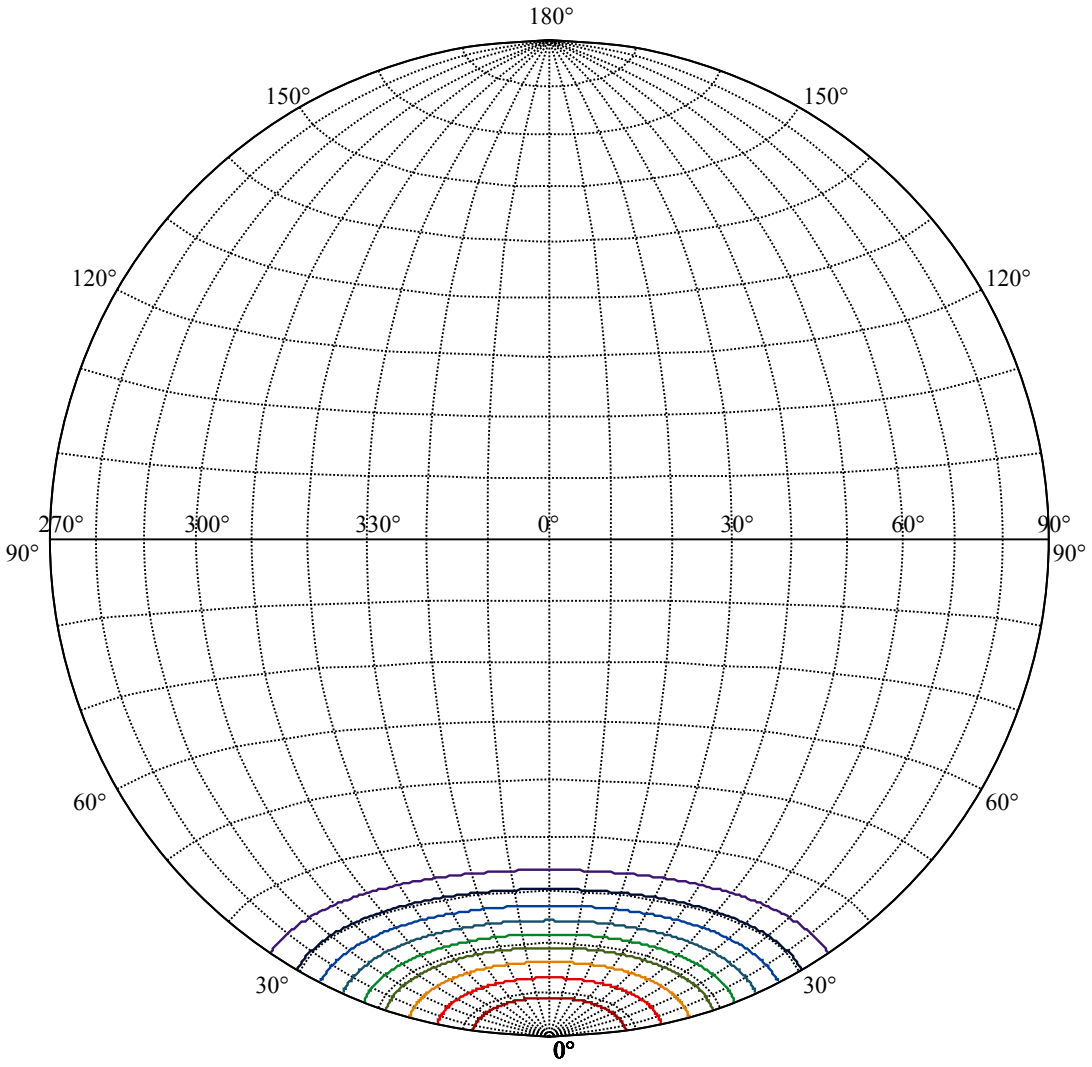


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/01
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



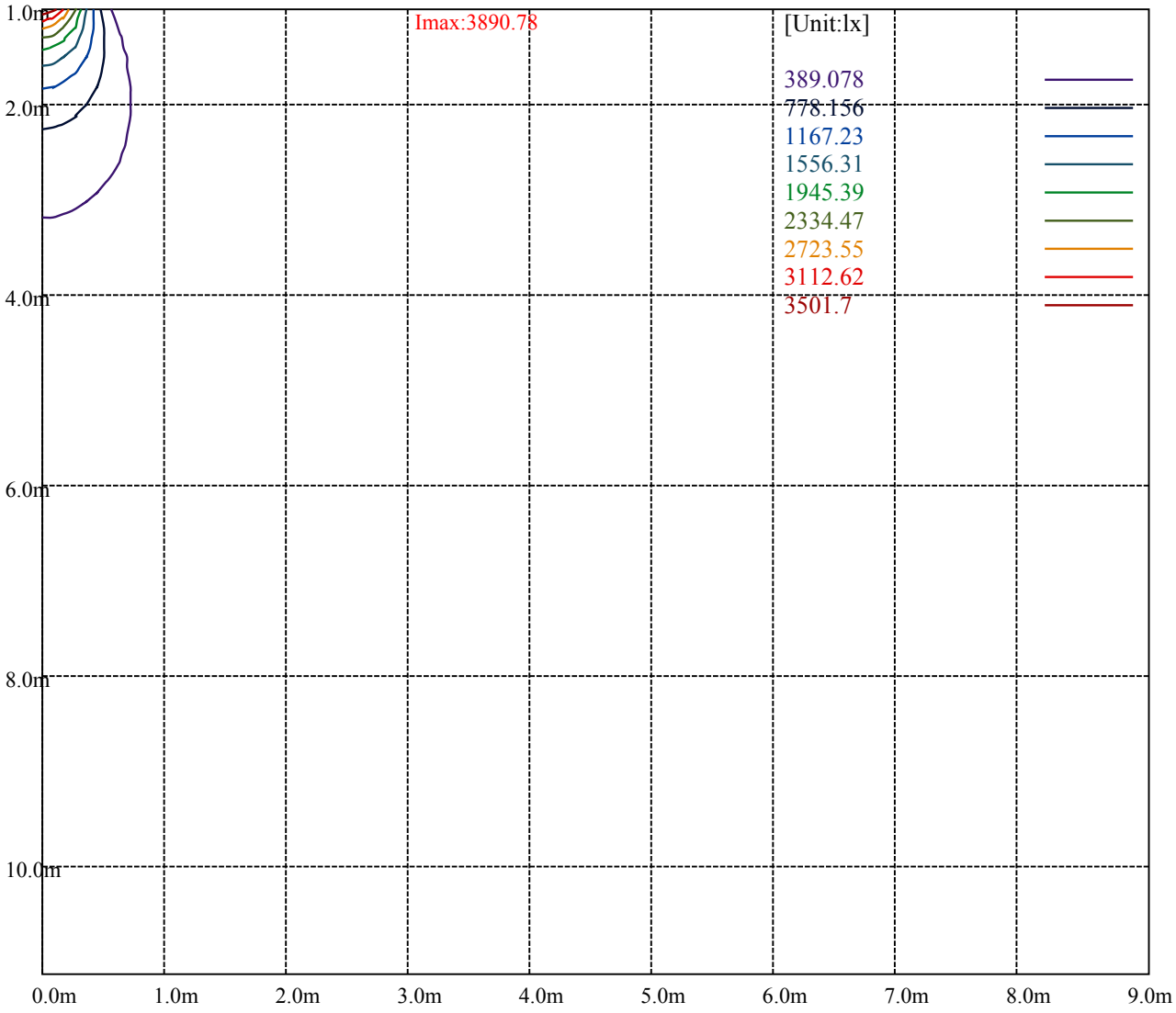
House [Unit:cd] Road

Imax:3890.78

(10%Imax) 389.078
(20%Imax) 778.156
(30%Imax) 1167.23
(40%Imax) 1556.31
(50%Imax) 1945.39
(60%Imax) 2334.47
(70%Imax) 2723.55
(80%Imax) 3112.62
(90%Imax) 3501.7

Equipment: GMS1980 Date: 2024/3/01 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/01
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

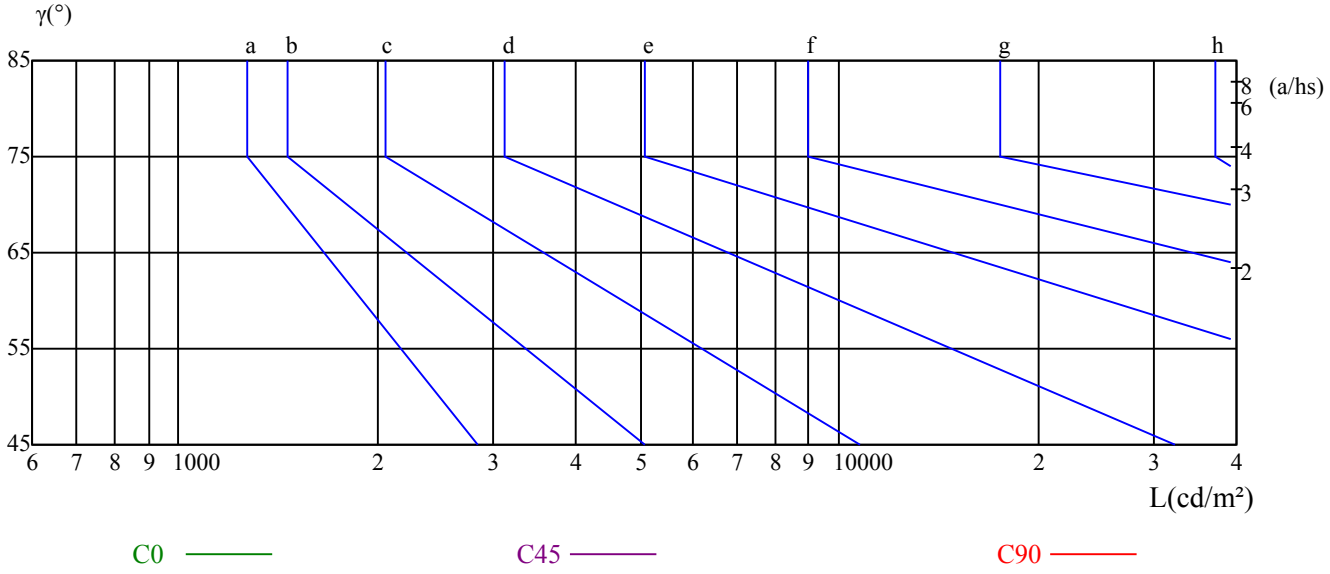
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

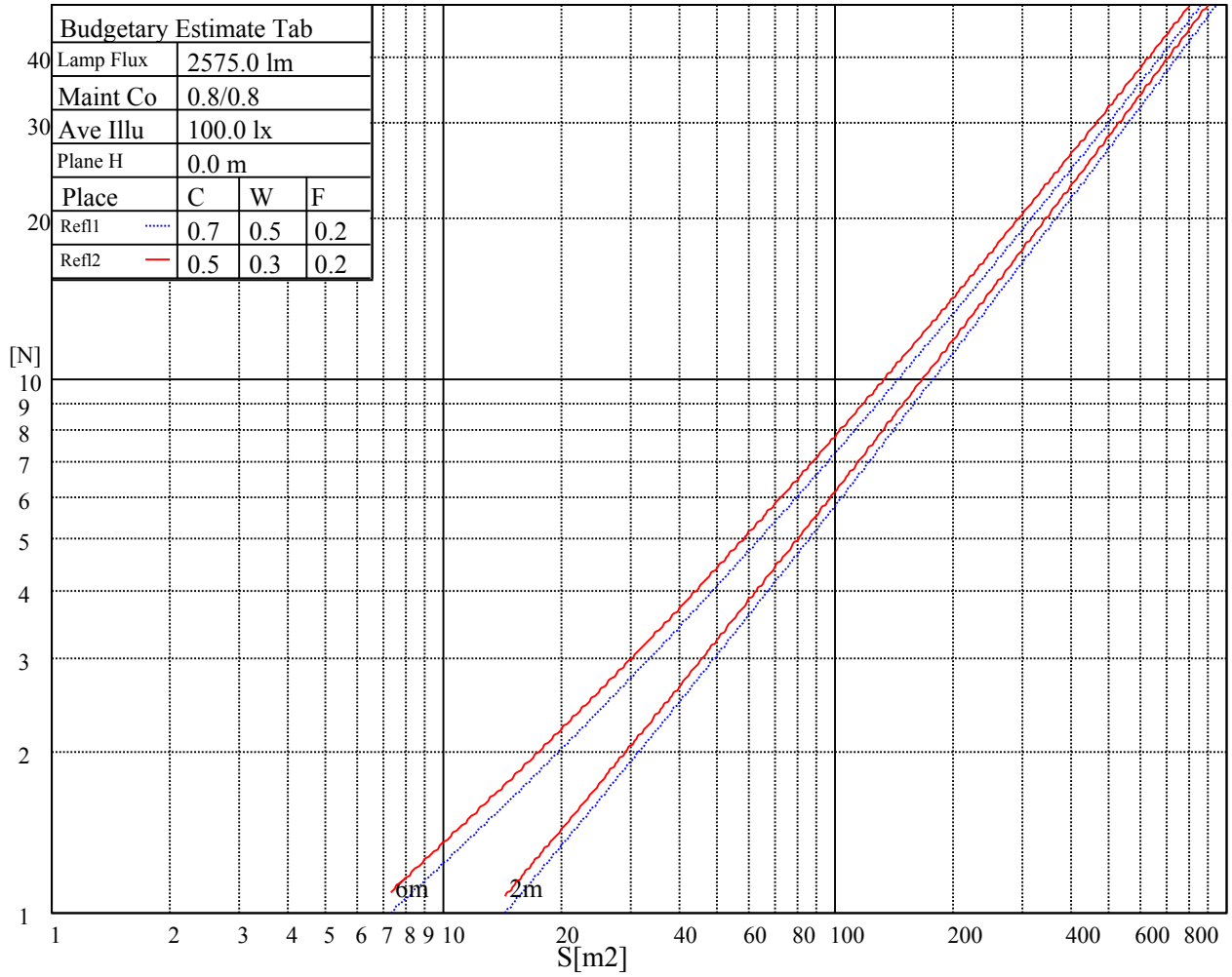
Luminance Limitting Curve



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

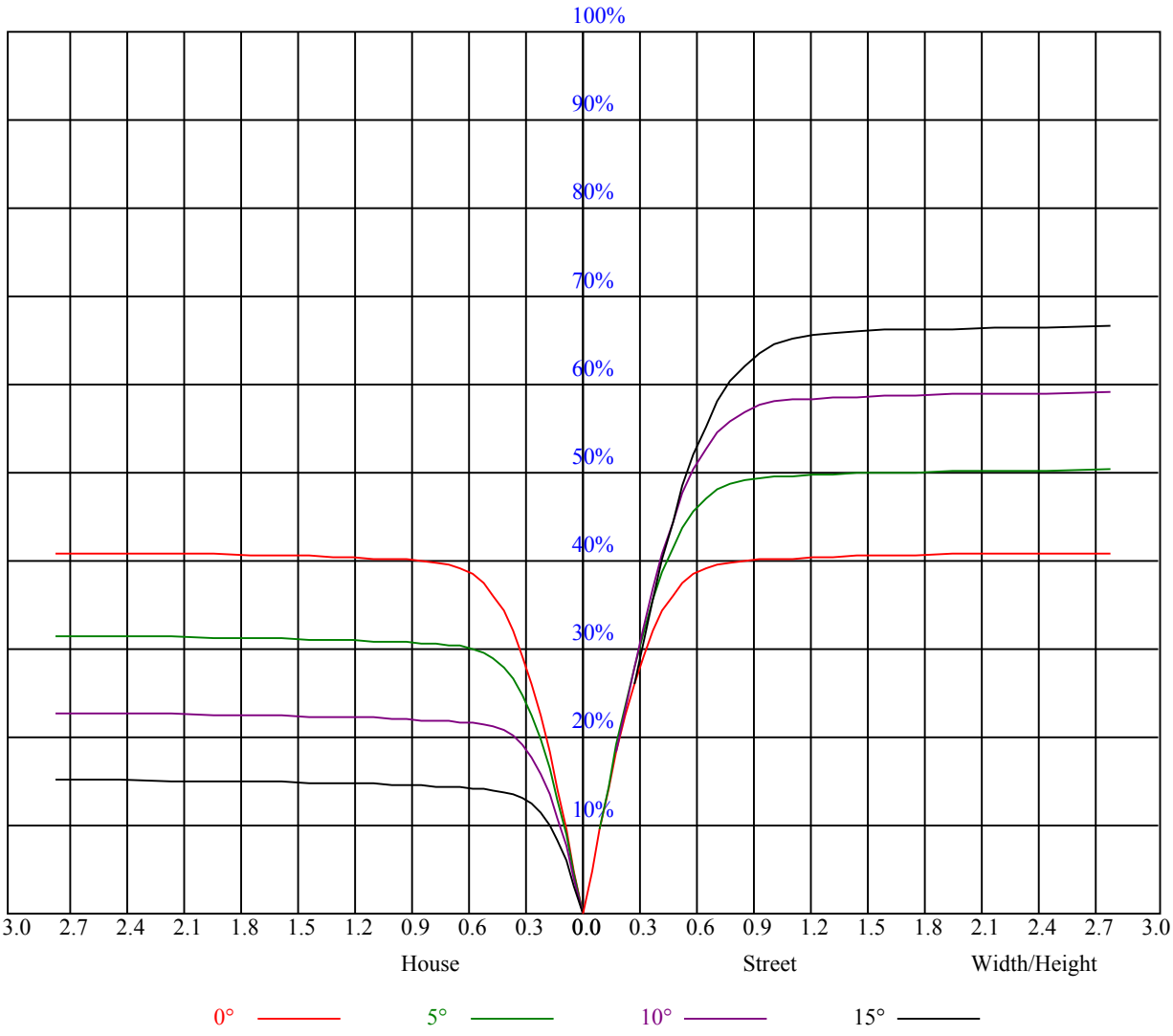


Equipment: GMS1980 Date: 2024/3/01 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

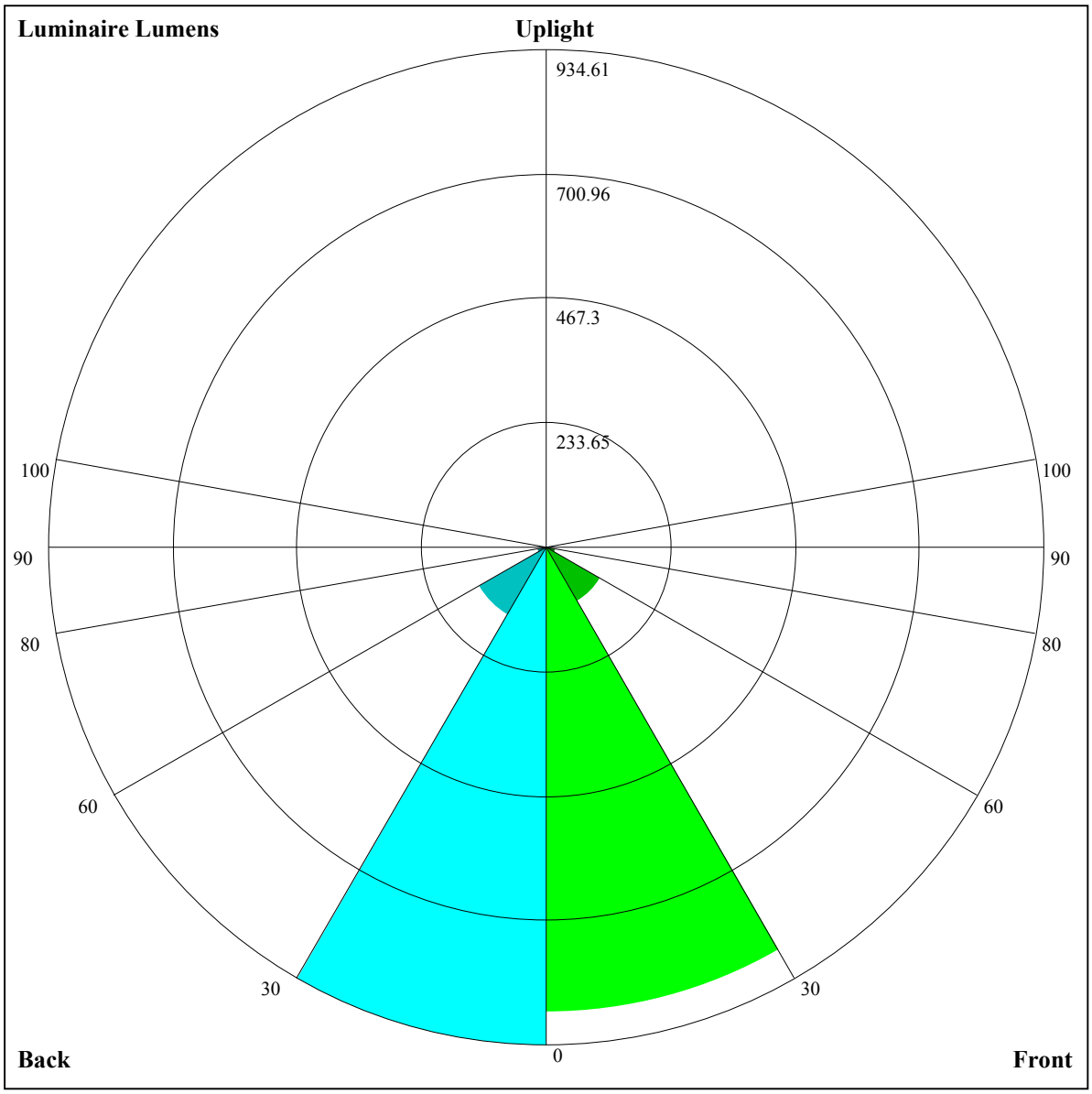
Utilization factor table for indoor luminaire

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	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.83
1	0.92	0.90	0.88	0.90	0.88	0.86	0.87	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.79	0.78
2	0.86	0.83	0.80	0.85	0.82	0.79	0.82	0.80	0.78	0.79	0.78	0.76	0.77	0.76	0.74	0.73
3	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
4	0.76	0.72	0.69	0.76	0.72	0.69	0.74	0.71	0.68	0.72	0.69	0.67	0.71	0.68	0.66	0.65
5	0.72	0.68	0.65	0.72	0.68	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
6	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59
7	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.56
8	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.54	0.60	0.57	0.54	0.53
9	0.60	0.55	0.52	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.51
10	0.57	0.53	0.50	0.57	0.53	0.50	0.56	0.52	0.50	0.56	0.52	0.50	0.55	0.52	0.50	0.49

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/01	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=873.79,FM=118.71,FH=17.94,FVH=5.75
BL=934.61,BM=148.27,BH=18.52,BVH=5.97
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	3871.32	3837.96	3802.85	3758.37	3703.95	3630.21	3566.42	3492.10	3391.44
45.0	3894.73	3882.44	3861.37	3830.36	3776.52	3725.60	3670.00	3591.00	3521.36
90.0	3893.56	3880.10	3847.91	3810.46	3765.40	3700.44	3639.57	3556.47	3480.39
135.0	3903.51	3904.09	3894.15	3865.47	3836.79	3784.12	3735.55	3678.20	3599.19
180.0	3871.32	3887.12	3892.39	3887.12	3871.91	3850.25	3809.87	3768.32	3703.95
225.0	3894.73	3892.39	3879.52	3858.45	3828.60	3788.81	3730.87	3674.69	3610.90
270.0	3893.56	3900.00	3895.32	3877.17	3852.01	3818.07	3775.34	3712.14	3650.11
315.0	3903.51	3894.73	3871.32	3842.06	3804.61	3758.96	3689.90	3626.11	3557.64
360.0	3871.32	3837.96	3802.85	3758.37	3703.95	3630.21	3566.42	3492.10	3391.44

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3307.16	3215.87	3095.90	2992.31	2886.97	2745.35	2623.62	2496.04	2335.11
45.0	3445.86	3364.52	3256.84	3164.37	3066.05	2963.64	2824.35	2706.72	2583.24
90.0	3399.63	3291.95	3199.48	3102.34	2999.92	2865.32	2748.86	2625.38	2496.63
135.0	3528.97	3451.72	3366.86	3255.67	3158.52	3056.69	2951.93	2808.55	2689.17
180.0	3641.91	3577.54	3505.56	3403.73	3317.70	3225.82	3129.84	3000.51	2892.83
225.0	3541.25	3445.28	3361.01	3274.39	3181.34	3059.61	2955.44	2818.50	2703.80
270.0	3583.39	3494.44	3417.19	3308.92	3218.80	3122.82	3022.16	2889.31	2776.37
315.0	3480.39	3375.05	3286.10	3167.88	3068.39	2965.98	2829.62	2716.67	2597.87
360.0	3307.16	3215.87	3095.90	2992.31	2886.97	2745.35	2623.62	2496.04	2335.11

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2196.41	2054.20	1921.35	1793.77	1641.03	1511.69	1147.22	1147.22	1081.79
45.0	2424.65	2292.38	2114.48	1980.46	1850.54	1729.98	1573.73	1437.37	1299.84
90.0	2367.88	2194.65	2051.27	1883.31	1756.90	1634.01	1471.90	1136.74	1136.74
135.0	2566.27	2402.99	2266.63	2125.01	1955.88	1827.13	1704.82	1578.41	1412.79
180.0	2773.44	2661.66	2494.87	2362.61	2189.97	2047.76	1915.50	1759.83	1642.79
225.0	2581.49	2420.55	2287.12	2147.83	2010.31	1848.20	1727.64	1607.09	1481.26
270.0	2652.88	2535.25	2363.78	2224.50	2082.87	1945.93	1787.92	1667.36	1510.52
315.0	2439.86	2304.67	2165.39	2028.45	1867.51	1745.20	1624.06	1498.82	1164.42
360.0	2196.41	2054.20	1921.35	1793.77	1641.03	1511.69	1147.22	1147.22	1081.79

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	952.22	807.55	691.21	587.80	465.49	374.13	291.56	200.85	141.04
45.0	1164.66	1001.38	879.07	762.61	653.75	524.42	429.03	324.27	304.38
90.0	1040.71	918.34	799.01	690.51	560.88	464.14	373.55	292.38	205.06
135.0	1276.43	1144.17	984.99	864.44	720.47	613.37	513.30	419.66	312.57
180.0	1519.89	1389.38	1225.52	1095.60	965.68	843.37	697.65	592.31	492.82
225.0	1147.68	1147.68	1050.65	894.81	772.38	662.47	529.28	434.12	326.67
270.0	1380.02	1247.76	1086.82	958.07	837.52	688.87	583.53	484.04	390.99
315.0	1164.42	1066.51	910.96	786.78	649.25	543.44	446.00	356.52	258.14
360.0	952.22	807.55	691.21	587.80	465.49	374.13	291.56	200.85	141.04

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	95.98	66.19	51.56	46.06	41.61	38.45	35.76	34.18	32.77
45.0	304.38	110.37	74.03	57.47	50.80	44.24	40.73	38.16	36.28
90.0	146.95	100.37	63.73	54.07	47.99	42.19	39.21	37.04	34.88
135.0	312.57	219.69	112.48	69.52	55.60	48.98	43.89	39.44	36.93
180.0	377.53	314.32	314.32	138.87	94.34	64.96	51.73	46.12	41.61
225.0	251.00	185.05	130.86	88.08	59.22	51.85	46.29	42.08	38.68
270.0	307.89	307.89	153.33	105.75	71.51	53.96	48.05	43.37	39.39
315.0	190.72	134.84	90.24	59.34	50.50	45.06	40.79	37.28	35.35
360.0	95.98	66.19	51.56	46.06	41.61	38.45	35.76	34.18	32.77

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	31.31	30.26	29.14	28.38	27.62	26.86	26.28	25.75	25.28
45.0	34.29	32.95	31.72	30.43	29.55	28.73	27.80	27.21	26.57
90.0	33.42	32.13	31.13	29.90	29.09	28.32	27.62	26.86	26.28
135.0	35.05	33.12	31.84	30.49	29.50	28.62	27.86	27.04	26.39
180.0	38.62	36.05	34.41	32.95	31.72	30.43	29.61	28.73	27.92
225.0	36.69	35.05	33.36	32.13	30.84	29.96	29.14	28.15	27.56
270.0	37.16	35.05	33.65	32.36	31.02	30.08	29.26	28.50	27.68
315.0	33.36	32.13	30.96	29.61	28.85	28.09	27.39	26.57	25.98
360.0	31.31	30.26	29.14	28.38	27.62	26.86	26.28	25.75	25.28

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.64	24.23	23.76	23.35	22.82	22.36	21.95	21.54	20.89
45.0	25.87	25.34	24.81	24.23	23.70	23.23	22.77	22.12	21.65
90.0	25.75	25.11	24.58	23.88	23.35	22.94	22.36	21.89	21.48
135.0	25.81	25.34	24.76	24.29	23.76	23.12	22.59	22.12	21.54
180.0	27.27	26.69	25.98	25.57	24.93	24.40	23.94	23.47	22.88
225.0	26.98	26.39	25.75	25.22	24.76	24.23	23.64	23.12	22.65
270.0	27.04	26.45	25.93	25.28	24.76	24.23	23.64	23.12	22.53
315.0	25.40	24.93	24.35	23.88	23.41	22.82	22.36	21.89	21.36
360.0	24.64	24.23	23.76	23.35	22.82	22.36	21.95	21.54	20.89

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.42	19.78	19.25	18.73	18.14	17.62	17.09	16.56	15.86
45.0	21.19	20.72	20.07	19.61	19.31	19.43	19.78	19.78	19.08
90.0	20.95	20.42	19.78	19.31	18.79	18.32	17.79	17.50	17.15
135.0	21.07	20.54	19.96	19.43	18.96	18.32	17.85	17.32	16.80
180.0	22.36	21.89	21.36	20.89	20.25	19.66	18.96	18.49	17.91
225.0	21.95	21.48	21.01	20.37	19.96	19.78	19.84	20.13	20.31
270.0	22.06	21.59	21.07	20.37	19.90	19.31	18.84	18.32	17.97
315.0	20.89	20.31	19.78	19.20	18.67	18.02	17.50	16.97	16.50
360.0	20.42	19.78	19.25	18.73	18.14	17.62	17.09	16.56	15.86

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.27	14.81	14.34	13.99	13.64	13.23	12.82	12.52	12.17
45.0	18.49	17.56	16.56	15.80	15.04	14.40	13.58	13.17	12.82
90.0	16.74	16.15	15.51	14.92	14.57	13.99	13.52	13.05	12.64
135.0	16.09	15.57	15.04	14.51	14.05	13.75	13.40	13.11	12.87
180.0	17.32	16.85	16.33	15.63	15.04	14.57	14.22	13.87	13.58
225.0	19.55	18.61	17.62	16.62	15.74	14.75	14.22	13.93	13.52
270.0	17.56	17.26	16.68	16.04	15.39	14.75	14.34	13.93	13.58
315.0	15.86	15.27	14.69	14.28	13.87	13.58	13.23	12.99	12.70
360.0	15.27	14.81	14.34	13.99	13.64	13.23	12.82	12.52	12.17

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.94	11.29	10.65	10.01	9.48	9.31	9.19	9.13	9.19
45.0	12.35	12.00	11.47	10.83	10.07	9.54	9.36	9.25	9.19
90.0	12.35	11.94	11.29	10.42	9.71	9.48	9.31	9.19	9.19
135.0	12.64	12.41	12.00	11.12	10.36	9.66	9.48	9.36	9.19
180.0	13.28	13.05	12.70	12.35	11.65	10.83	9.95	9.60	9.42
225.0	13.17	12.76	12.29	11.65	10.65	10.07	9.54	9.42	9.31
270.0	13.17	12.87	12.47	11.94	11.06	10.24	9.60	9.48	9.31
315.0	12.52	12.17	11.70	10.89	10.12	9.60	9.48	9.31	9.19
360.0	11.94	11.29	10.65	10.01	9.48	9.31	9.19	9.13	9.19

Intensity data(cd)

C/γ(°)	90.0
0.0	9.19
45.0	9.19
90.0	9.19
135.0	9.19
180.0	9.31
225.0	9.19
270.0	9.19
315.0	9.19
360.0	9.19