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NT

Client:
LumCAT: 2-2680-L
Luminaire: 92.70.412.00
Report No: 2024301-B009
Ballast type: AC

Test No: 2024301-C009	Voltage(V): 34.240
LampCAT: LUMINUS CXM-14-AC40	Current(A): 0.530
Lamp flux(lm): 2575.0	Power (W): 18.147
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2129.00, Efficiency(%): 82.68% , Luminous Efficacy(lm/W): 117.32
Central intensity(cd): 4788.077, Maximum intensity(cd): 4788.077
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=37.0
[C90/270]Total=37.0
Field angle(10%Imax): [C0/180]Total=64.8
[C90/270]Total=64.8
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
Maximum s/h(1/4): C0_180=0.60 C90_270=0.60
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.68%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.159%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4788.077	0.000	0	0.00%	0.00%
1.0	4779.811	4.578	4.578	0.18%	0.22%
2.0	4757.353	13.689	18.267	0.53%	0.86%
3.0	4721.800	22.671	40.938	0.88%	1.92%
4.0	4663.790	31.417	72.354	1.22%	3.40%
5.0	4586.759	39.795	112.15	1.55%	5.27%
6.0	4492.831	47.716	159.865	1.85%	7.51%
7.0	4386.686	55.115	214.98	2.14%	10.10%
8.0	4255.010	61.847	276.827	2.40%	13.00%
9.0	4115.946	67.842	344.669	2.63%	16.19%
10.0	3956.253	73.050	417.72	2.84%	19.62%
11.0	3793.121	77.432	495.152	3.01%	23.26%
12.0	3617.700	81.011	576.163	3.15%	27.06%
13.0	3441.694	83.777	659.94	3.25%	31.00%
14.0	3253.690	85.700	745.64	3.33%	35.02%
15.0	3066.784	86.770	832.411	3.37%	39.10%
16.0	2876.659	87.088	919.499	3.38%	43.19%
17.0	2682.730	86.575	1006.073	3.36%	47.26%
18.0	2487.631	85.248	1091.321	3.31%	51.26%
19.0	2307.820	83.431	1174.752	3.24%	55.18%
20.0	2110.014	80.859	1255.611	3.14%	58.98%
21.0	1920.401	77.392	1333.003	3.01%	62.61%
22.0	1734.300	73.443	1406.446	2.85%	66.06%
23.0	1519.332	68.270	1474.716	2.65%	69.27%
24.0	1385.169	63.503	1538.219	2.47%	72.25%
25.0	1237.758	59.640	1597.858	2.32%	75.05%
26.0	1136.617	56.047	1653.906	2.18%	77.68%
27.0	1013.756	52.609	1706.515	2.04%	80.16%
28.0	902.271	48.510	1755.025	1.88%	82.43%
29.0	789.717	44.267	1799.292	1.72%	84.51%
30.0	692.775	40.027	1839.319	1.55%	86.39%
31.0	594.201	35.815	1875.134	1.39%	88.08%
32.0	509.643	31.624	1906.758	1.23%	89.56%
33.0	428.026	27.624	1934.382	1.07%	90.86%
34.0	356.219	23.734	1958.115	0.92%	91.97%
35.0	296.453	20.270	1978.385	0.79%	92.93%
36.0	254.514	17.543	1995.928	0.68%	93.75%
37.0	209.108	15.121	2011.048	0.59%	94.46%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	153.600	12.107	2023.155	0.47%	95.03%
39.0	115.070	9.170	2032.326	0.36%	95.46%
40.0	90.688	7.176	2039.502	0.28%	95.80%
41.0	71.639	5.780	2045.282	0.22%	96.07%
42.0	58.332	4.722	2050.004	0.18%	96.29%
43.0	48.522	3.958	2053.962	0.15%	96.48%
44.0	41.873	3.412	2057.374	0.13%	96.64%
45.0	37.147	3.037	2060.411	0.12%	96.78%
46.0	33.416	2.760	2063.171	0.11%	96.91%
47.0	30.527	2.543	2065.714	0.10%	97.03%
48.0	28.127	2.371	2068.085	0.09%	97.14%
49.0	26.189	2.231	2070.315	0.09%	97.24%
50.0	24.536	2.115	2072.43	0.08%	97.34%
51.0	23.051	2.013	2074.444	0.08%	97.44%
52.0	21.836	1.926	2076.37	0.07%	97.53%
53.0	20.724	1.851	2078.221	0.07%	97.62%
54.0	19.781	1.785	2080.006	0.07%	97.70%
55.0	18.969	1.730	2081.736	0.07%	97.78%
56.0	18.288	1.684	2083.42	0.07%	97.86%
57.0	17.681	1.645	2085.064	0.06%	97.94%
58.0	17.118	1.609	2086.673	0.06%	98.01%
59.0	16.613	1.577	2088.25	0.06%	98.09%
60.0	16.203	1.550	2089.801	0.06%	98.16%
61.0	15.867	1.530	2091.331	0.06%	98.23%
62.0	15.560	1.514	2092.845	0.06%	98.30%
63.0	15.274	1.500	2094.345	0.06%	98.37%
64.0	15.026	1.487	2095.832	0.06%	98.44%
65.0	14.835	1.478	2097.31	0.06%	98.51%
66.0	14.689	1.473	2098.783	0.06%	98.58%
67.0	14.470	1.466	2100.249	0.06%	98.65%
68.0	14.331	1.459	2101.708	0.06%	98.72%
69.0	14.199	1.455	2103.163	0.06%	98.79%
70.0	14.089	1.453	2104.616	0.06%	98.85%
71.0	13.899	1.447	2106.063	0.06%	98.92%
72.0	13.628	1.431	2107.494	0.06%	98.99%
73.0	13.402	1.413	2108.908	0.05%	99.06%
74.0	13.109	1.394	2110.301	0.05%	99.12%
75.0	12.802	1.369	2111.67	0.05%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.487	1.342	2113.013	0.05%	99.25%
77.0	12.158	1.314	2114.327	0.05%	99.31%
78.0	11.836	1.284	2115.611	0.05%	99.37%
79.0	11.536	1.256	2116.867	0.05%	99.43%
80.0	11.192	1.225	2118.092	0.05%	99.49%
81.0	10.871	1.193	2119.286	0.05%	99.54%
82.0	10.563	1.162	2120.448	0.05%	99.60%
83.0	10.344	1.137	2121.584	0.04%	99.65%
84.0	10.117	1.115	2122.699	0.04%	99.70%
85.0	9.920	1.094	2123.793	0.04%	99.76%
86.0	9.737	1.074	2124.867	0.04%	99.81%
87.0	9.525	1.054	2125.921	0.04%	99.86%
88.0	9.393	1.036	2126.957	0.04%	99.90%
89.0	9.290	1.024	2127.982	0.04%	99.95%
90.0	9.217	1.015	2128.996	0.04%	100.00%

Zonal flux distribution table

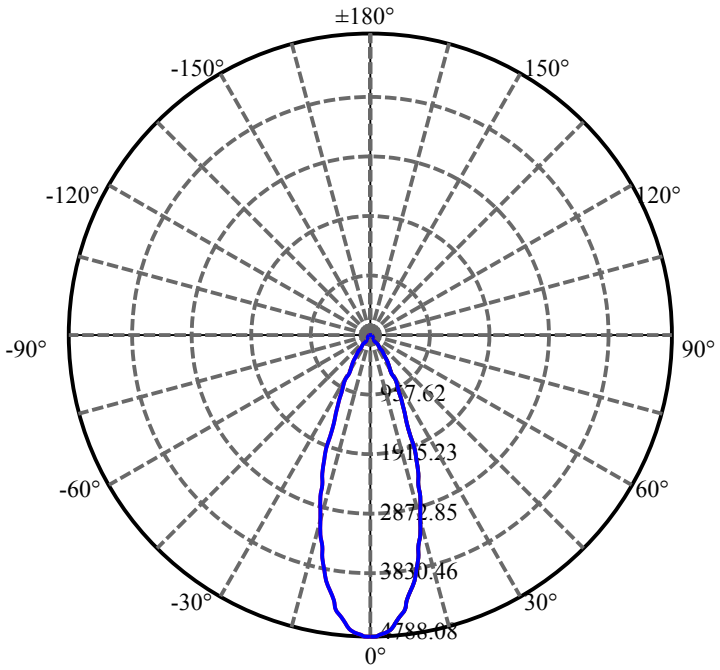
ZONAL LUMEN SUMMARY

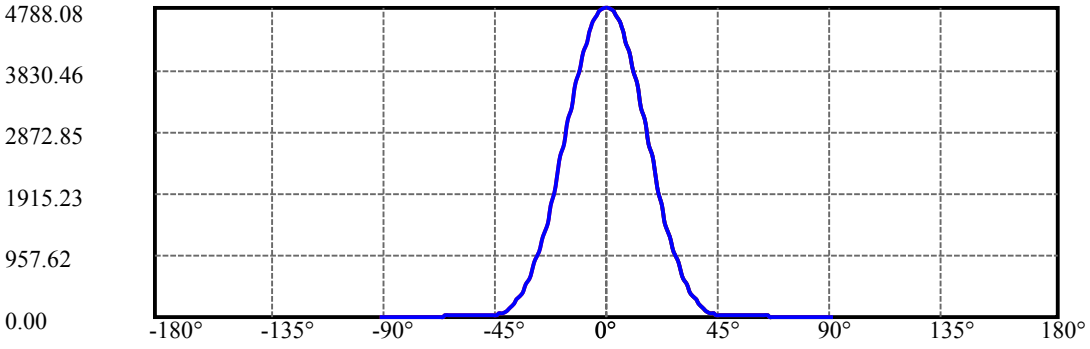
Zone	Lumens	%Lamp	%Fixt
0-30	1839.32	71.43%	86.39%
0-40	2039.50	79.20%	95.80%
0-60	2089.80	81.16%	98.16%
0-90	2127.98	82.64%	99.95%
0-120	2127.98	82.64%	99.95%
0-180	2129.00	82.68%	100.00%
60-90	38.18	1.48%	1.79%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.94	1703.20	66.14%	80.00%

ZONAL LUMEN SUMMARY

0-10	417.72
10-20	837.89
20-30	583.71
30-40	200.18
40-50	32.93
50-60	17.37
60-70	14.82
70-80	13.48
80-90	9.89
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):

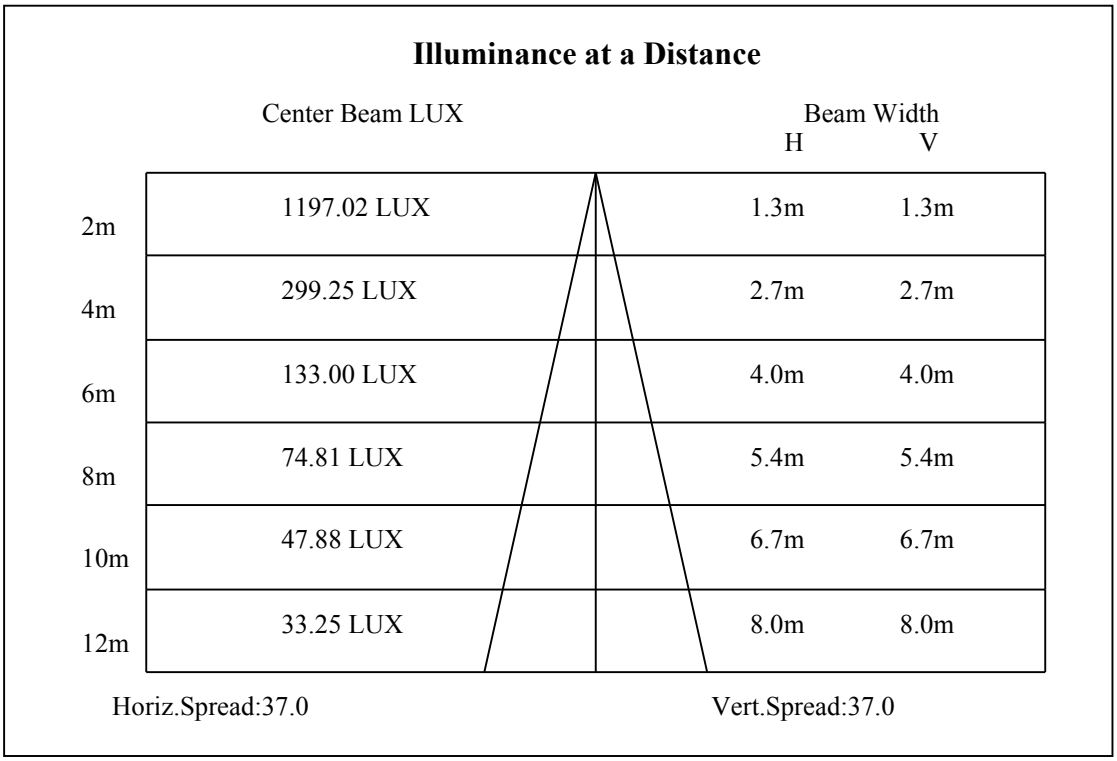
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:32.4 Right:32.4
:C90/270Left:32.4 Right:32.4

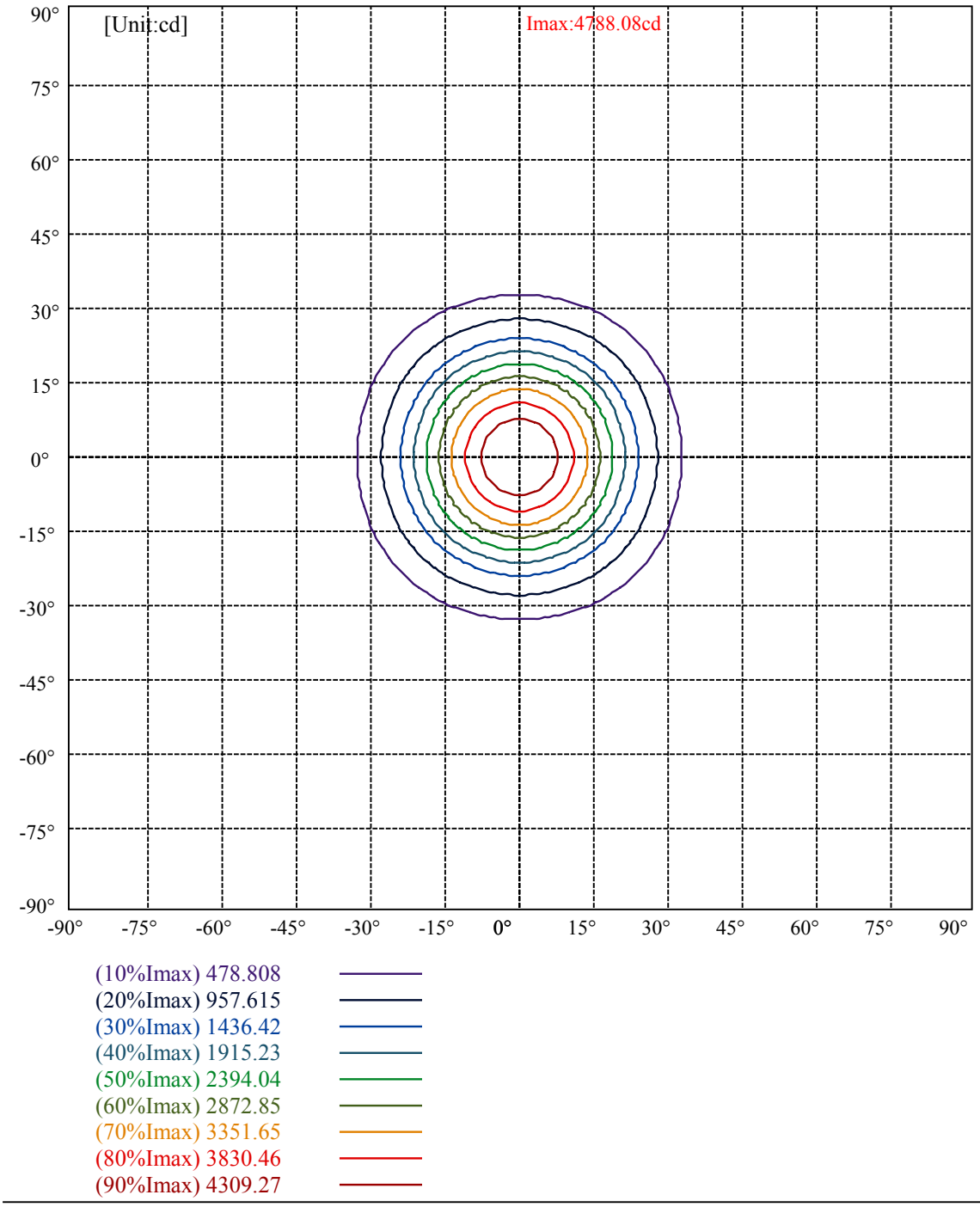
Beam Angle(50%Imax):C0/180Left:18.5 Right:18.5
:C90/270Left:18.5 Right:18.5

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)

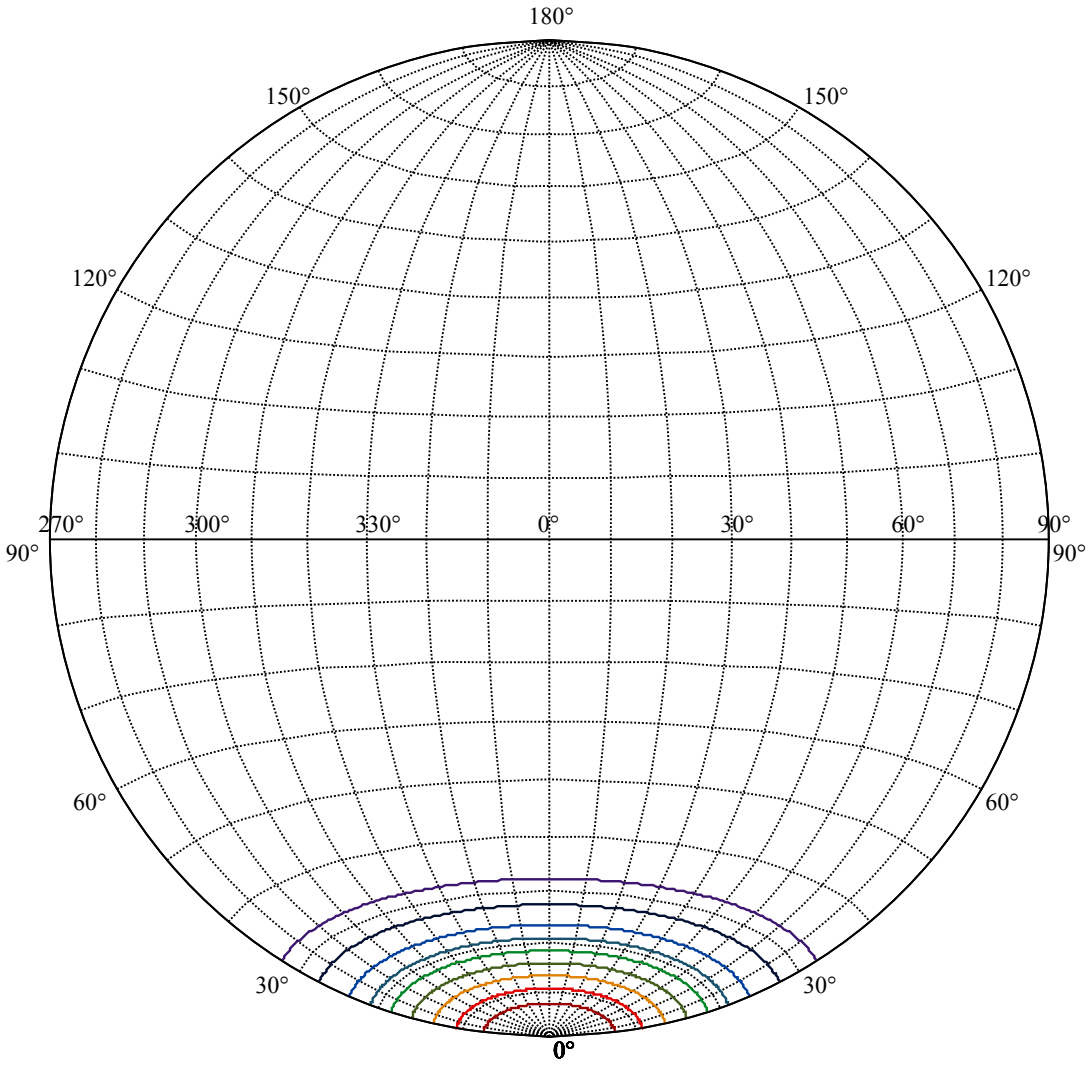


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



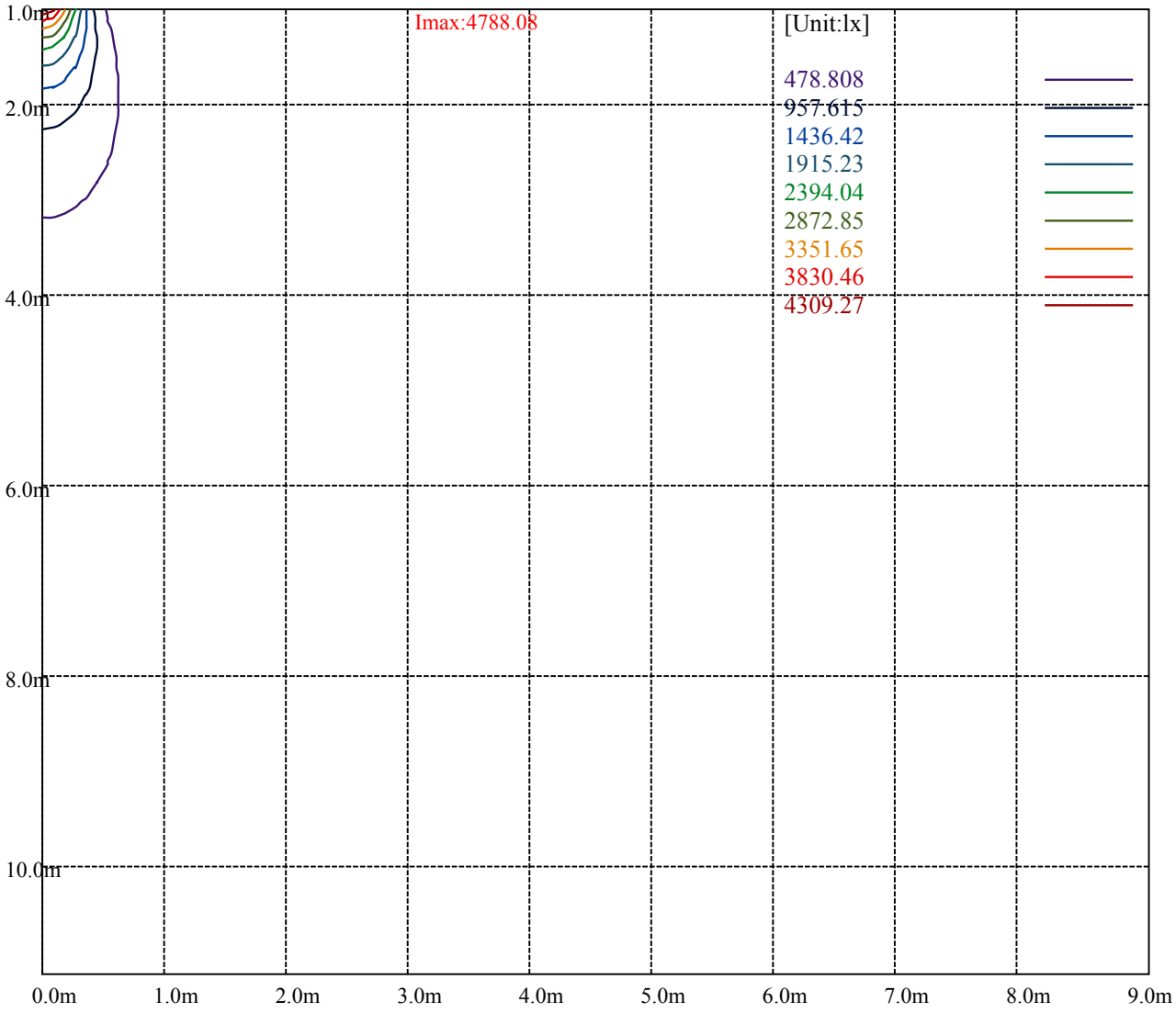
[Unit:cd]

Imax:4788.08

(10%Imax) 478.808
(20%Imax) 957.615
(30%Imax) 1436.42
(40%Imax) 1915.23
(50%Imax) 2394.04
(60%Imax) 2872.85
(70%Imax) 3351.65
(80%Imax) 3830.46
(90%Imax) 4309.27

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

NT 2-2680-L

Luminance Limitting Curve(no luminous side)

Luminance Table

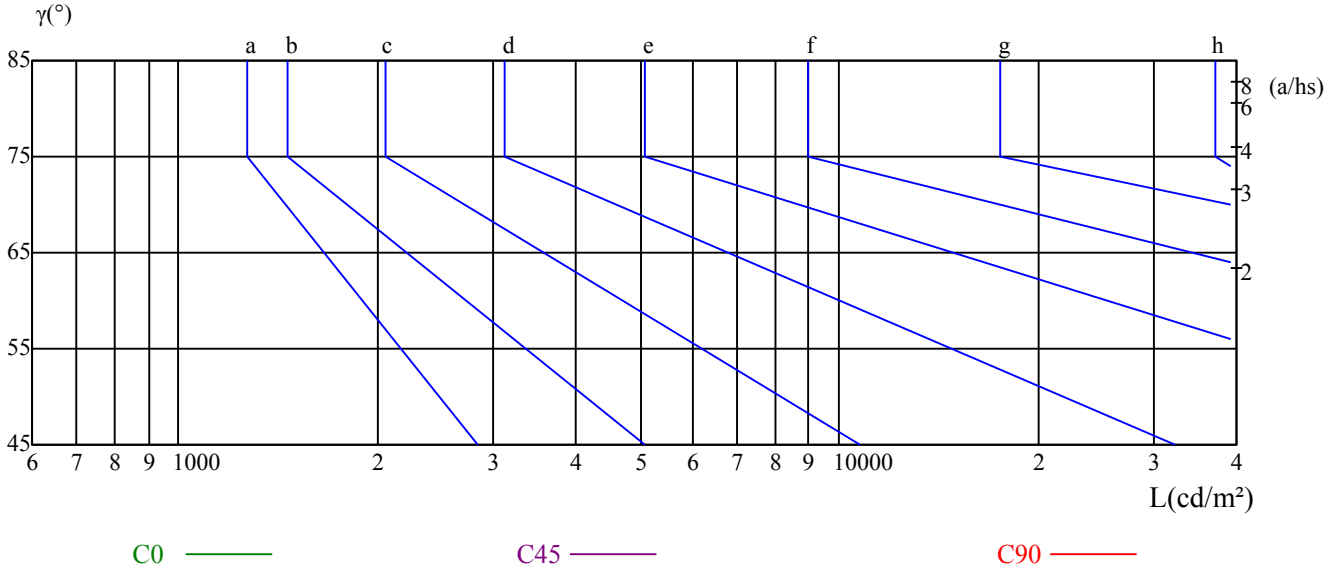
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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



Equipment: GMS1980
Temperature(°C): 25.0

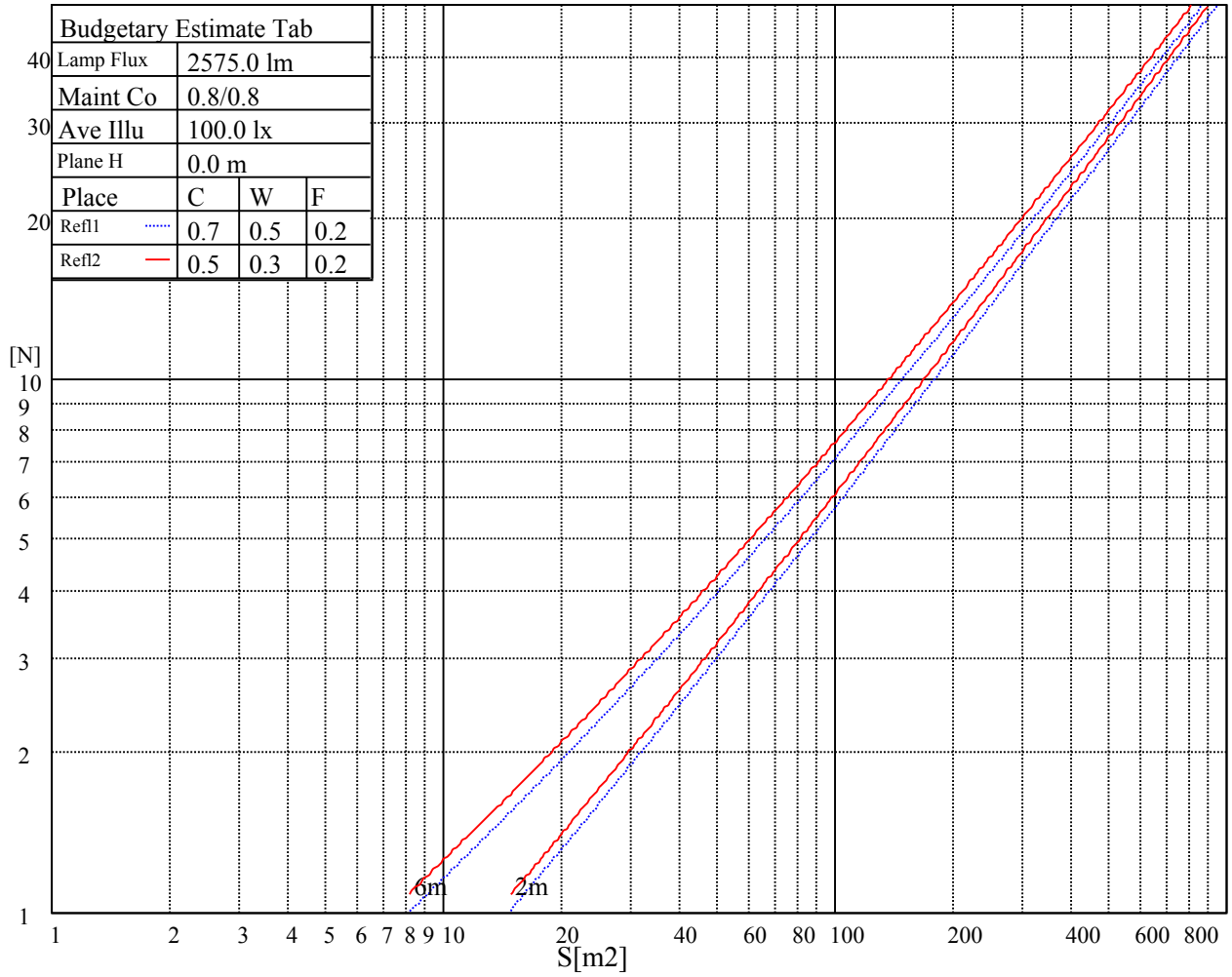
Date: 2024/3/01
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

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

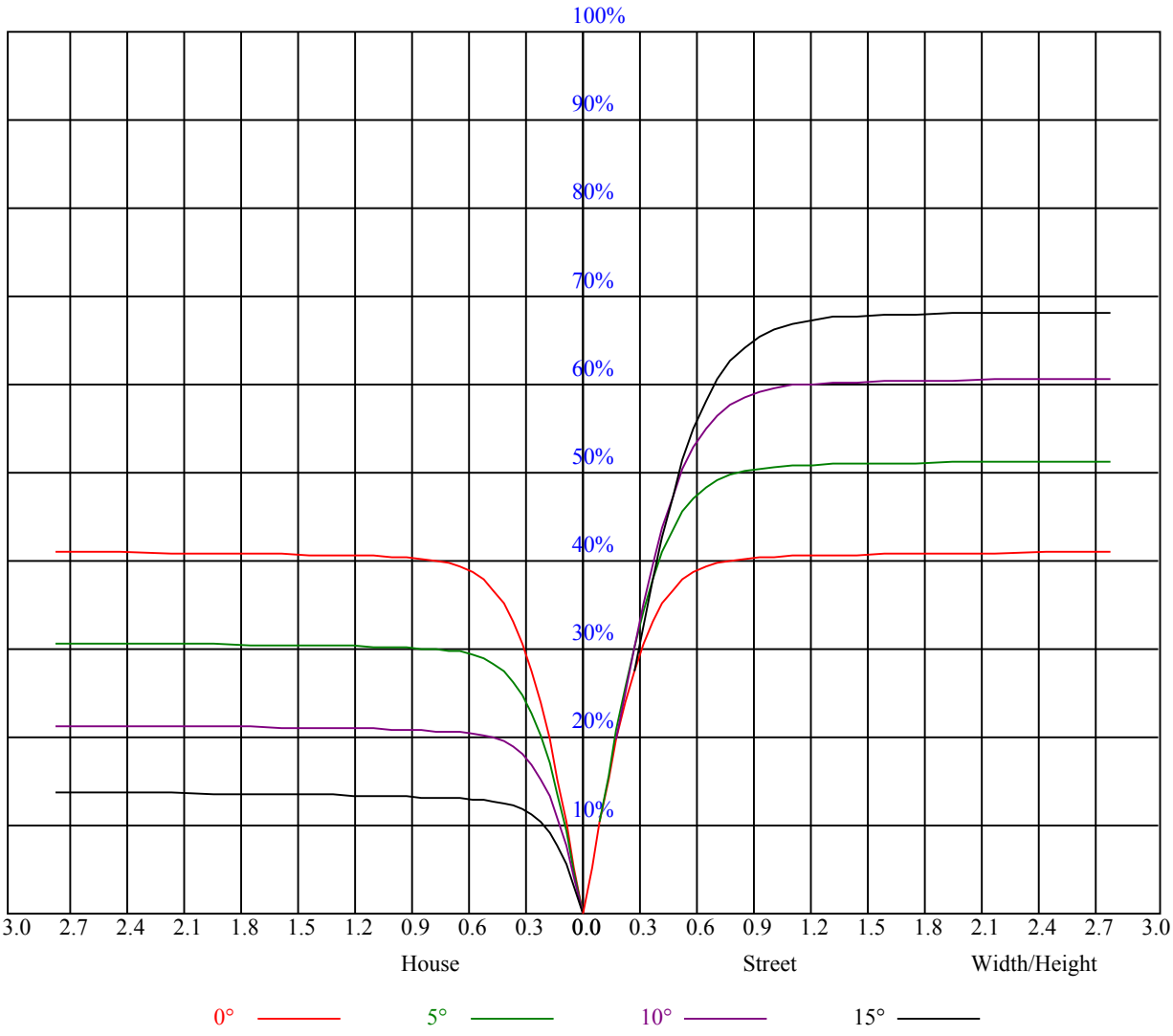


Equipment: GMS1980 Date: 2024/3/01 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

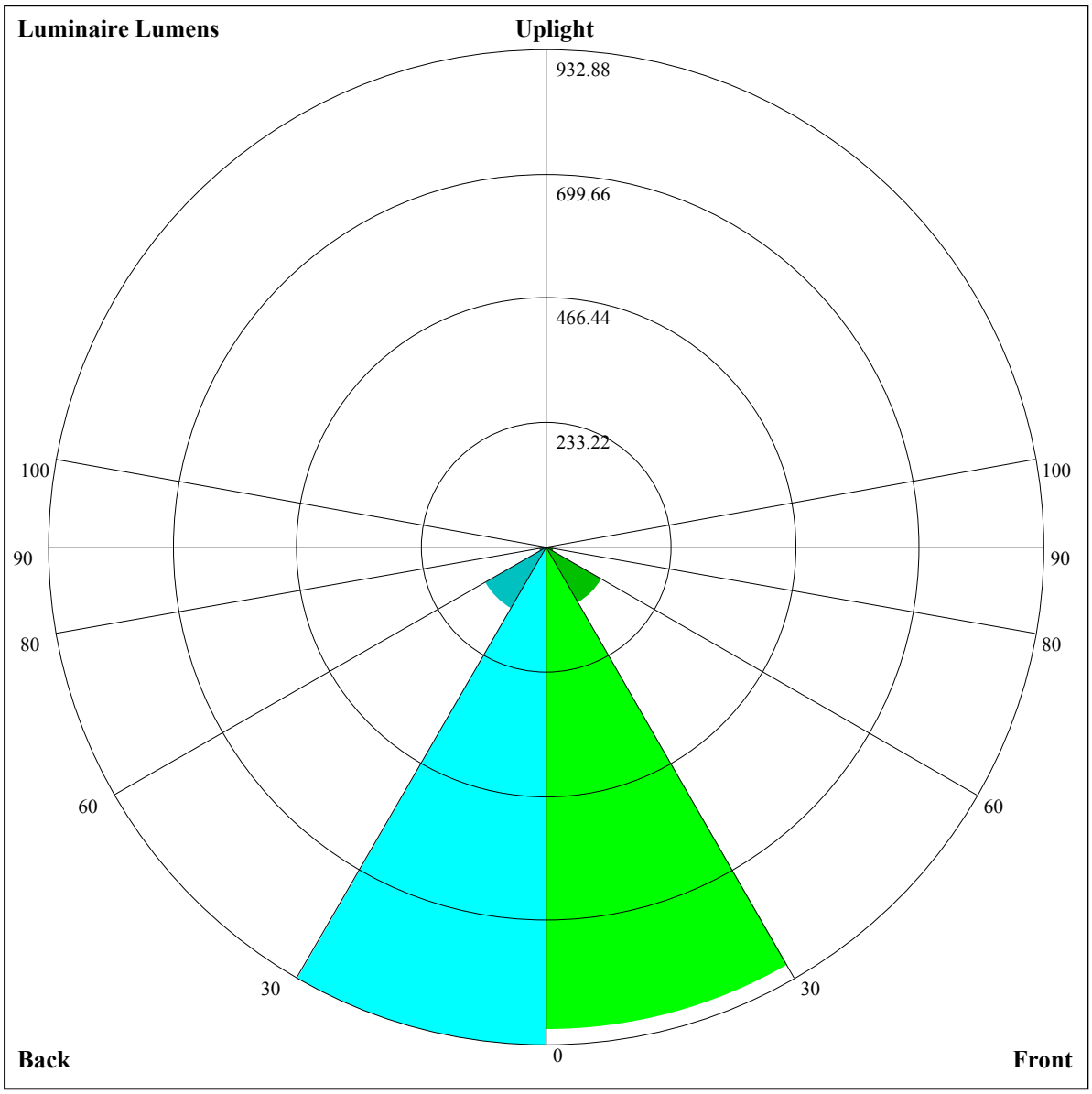
Utilization factor table for indoor luminaire

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	0.89	0.87	0.87	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.80	0.78	0.80	0.78	0.77	0.78	0.76	0.75	0.74
3	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
4	0.78	0.74	0.71	0.77	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.68	0.72	0.70	0.68	0.67
5	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.64	0.63
6	0.70	0.66	0.63	0.70	0.66	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.62	0.60
7	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.61	0.58	0.56	0.55
9	0.61	0.57	0.55	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.57	0.54	0.52	0.51

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=903.79,FM=121.18,FH=13.74,FVH=5.42
BL=932.88,BM=132.11,BH=14.56,BVH=5.51
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	4778.42	4747.99	4711.12	4648.50	4543.75	4455.96	4350.62	4234.75	4059.18
45.0	4791.88	4779.59	4752.09	4719.31	4650.84	4568.32	4477.03	4374.62	4230.06
90.0	4783.69	4757.35	4713.46	4667.23	4564.23	4466.50	4358.23	4208.41	4072.05
135.0	4798.32	4782.52	4758.52	4708.19	4662.55	4580.61	4461.23	4354.13	4207.83
180.0	4778.42	4790.71	4790.13	4770.81	4738.63	4701.17	4615.14	4526.77	4424.36
225.0	4791.88	4790.71	4767.89	4736.28	4694.15	4596.42	4506.29	4401.54	4283.91
270.0	4783.69	4794.81	4794.81	4773.15	4748.57	4704.68	4637.38	4553.11	4431.38
315.0	4798.32	4794.81	4770.81	4750.92	4707.61	4620.41	4536.72	4440.16	4331.31
360.0	4778.42	4747.99	4711.12	4648.50	4543.75	4455.96	4350.62	4234.75	4059.18

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3909.95	3751.94	3589.83	3383.24	3206.51	3027.43	2803.87	2623.04	2405.33
45.0	4093.71	3946.23	3789.98	3591.58	3428.89	3258.01	3034.45	2854.20	2675.12
90.0	3925.75	3727.94	3569.35	3402.56	3232.26	3006.36	2827.87	2647.62	2472.05
135.0	4062.69	3913.46	3758.37	3561.15	3397.29	3221.72	3040.89	2814.41	2637.08
180.0	4310.83	4149.89	4005.92	3847.33	3685.22	3484.49	3319.45	3145.64	2921.50
225.0	4148.72	3955.59	3795.83	3636.06	3432.99	3263.27	3089.46	2911.55	2690.34
270.0	4311.41	4187.34	4008.85	3853.18	3645.43	3478.64	3307.16	3083.61	2905.12
315.0	4164.52	4017.63	3826.84	3666.49	3504.97	3289.61	3111.11	2933.21	2755.30
360.0	3909.95	3751.94	3589.83	3383.24	3206.51	3027.43	2803.87	2623.04	2405.33

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2231.52	2055.95	1880.97	1676.14	1521.64	1150.49	1150.49	1089.98	975.92
45.0	2453.32	2281.27	2105.11	1885.65	1720.62	1563.78	1385.87	1253.03	1130.71
90.0	2254.93	2079.95	1906.72	1698.97	1542.71	1167.35	1167.35	1109.94	995.12
135.0	2460.34	2285.36	2065.90	1889.75	1684.92	1527.50	1382.36	1218.50	1096.77
180.0	2735.40	2572.12	2333.94	2157.20	1942.42	1772.71	1614.69	1467.80	1298.09
225.0	2511.84	2283.02	2106.87	1933.06	1727.06	1566.12	1320.33	1156.64	1126.50
270.0	2722.53	2555.74	2315.79	2136.13	1960.56	1792.60	1593.04	1441.47	1305.11
315.0	2531.16	2349.15	2164.81	1986.31	1774.46	1614.11	1467.22	1164.71	1164.71
360.0	2231.52	2055.95	1880.97	1676.14	1521.64	1150.49	1150.49	1089.98	975.92

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	867.60	744.29	652.82	567.32	468.24	396.49	334.16	265.58	216.30
45.0	1015.42	908.91	787.19	697.65	611.62	512.72	439.56	358.22	300.28
90.0	862.62	763.25	673.54	589.20	490.54	415.39	347.97	291.33	228.47
135.0	983.82	877.31	756.17	666.04	582.36	501.60	409.13	345.34	302.62
180.0	1175.78	1060.49	951.05	822.30	723.98	632.10	546.66	448.93	379.28
225.0	1012.73	904.17	802.69	706.48	595.35	514.06	421.24	356.81	299.58
270.0	1145.93	1024.20	887.84	784.85	687.70	595.82	492.82	417.91	352.36
315.0	1046.15	935.54	806.44	708.36	593.83	508.97	432.66	365.65	292.73
360.0	867.60	744.29	652.82	567.32	468.24	396.49	334.16	265.58	216.30

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	173.75	129.74	102.18	81.64	66.42	53.26	45.94	40.50	36.46
45.0	300.28	234.27	144.84	113.59	89.48	71.63	56.59	47.93	41.84
90.0	184.93	148.18	110.61	87.96	70.70	55.54	46.99	40.79	35.41
135.0	302.62	177.50	141.16	111.84	83.75	67.53	53.49	45.65	39.97
180.0	303.79	303.79	238.60	149.29	117.51	92.29	73.09	57.00	47.93
225.0	234.79	190.32	152.22	113.42	89.31	71.69	58.99	47.99	42.02
270.0	296.18	296.18	186.28	149.99	119.74	90.48	73.33	60.69	49.51
315.0	239.77	192.89	152.92	112.83	88.60	70.70	58.23	47.64	41.84
360.0	173.75	129.74	102.18	81.64	66.42	53.26	45.94	40.50	36.46

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	32.48	29.96	27.86	25.57	24.11	22.47	21.36	20.37	19.55
45.0	37.45	33.30	30.67	27.92	25.98	24.40	22.71	21.59	20.60
90.0	32.19	29.61	26.98	25.28	23.76	22.47	21.42	20.25	19.37
135.0	35.76	31.84	29.32	27.15	25.40	23.47	22.12	21.07	19.96
180.0	41.61	37.10	32.95	30.37	28.32	26.51	24.58	23.23	21.83
225.0	37.63	34.29	31.08	28.85	26.63	25.16	23.76	22.36	21.30
270.0	43.37	37.81	34.47	31.72	28.97	27.10	25.46	24.05	22.47
315.0	36.69	33.42	30.90	28.15	26.34	24.70	23.00	21.77	20.72
360.0	32.48	29.96	27.86	25.57	24.11	22.47	21.36	20.37	19.55

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	18.61	17.91	17.38	16.85	16.33	15.92	15.63	15.33	15.04
45.0	19.55	18.84	18.20	17.62	17.03	16.56	16.15	15.80	15.39
90.0	18.49	17.85	17.32	16.74	16.27	15.92	15.51	15.27	15.04
135.0	19.08	18.43	17.62	17.09	16.56	16.04	15.68	15.39	15.10
180.0	20.89	19.96	19.08	18.43	17.85	17.26	16.80	16.39	16.09
225.0	20.42	19.49	18.84	18.26	17.73	17.15	16.80	16.50	16.15
270.0	21.42	20.48	19.72	18.96	18.20	17.67	17.09	16.68	16.39
315.0	19.78	18.79	18.14	17.50	16.97	16.39	15.98	15.57	15.27
360.0	18.61	17.91	17.38	16.85	16.33	15.92	15.63	15.33	15.04

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.75	14.46	14.22	13.99	13.64	13.40	13.11	12.87	12.58
45.0	15.16	14.92	14.57	14.40	14.05	13.75	13.52	13.28	12.93
90.0	14.75	14.46	14.22	13.99	13.69	13.40	13.17	12.87	12.64
135.0	14.86	14.57	14.34	14.05	13.75	13.52	13.23	12.93	12.76
180.0	15.80	15.51	15.27	14.98	14.69	14.46	14.16	13.87	13.64
225.0	15.86	15.80	16.04	16.62	16.97	17.56	18.08	18.79	18.96
270.0	15.98	15.74	15.51	15.22	14.98	14.86	14.86	14.81	14.69
315.0	15.04	14.75	14.51	14.28	13.99	13.69	13.46	13.28	12.99
360.0	14.75	14.46	14.22	13.99	13.64	13.40	13.11	12.87	12.58

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.29	12.11	11.88	11.65	11.47	11.24	11.00	10.77	10.48
45.0	12.76	12.47	12.29	12.00	11.76	11.59	11.35	11.18	10.94
90.0	12.41	12.11	11.94	11.70	11.47	11.29	11.12	10.89	10.71
135.0	12.47	12.29	12.06	11.76	11.59	11.35	11.12	10.89	10.71
180.0	13.34	13.11	12.87	12.64	12.41	12.17	11.88	11.65	11.41
225.0	18.43	18.02	17.03	16.39	15.39	14.69	13.93	13.17	12.35
270.0	14.63	14.63	14.57	14.34	14.10	13.40	12.99	12.70	12.06
315.0	12.70	12.47	12.23	11.94	11.70	11.53	11.29	11.06	10.89
360.0	12.29	12.11	11.88	11.65	11.47	11.24	11.00	10.77	10.48

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.36	10.12	9.95	9.77	9.60	9.48	9.36	9.31	9.25
45.0	10.59	10.36	10.12	9.95	9.83	9.60	9.42	9.36	9.19
90.0	10.48	10.18	10.01	9.89	9.66	9.54	9.42	9.31	9.25
135.0	10.48	10.30	10.18	10.01	9.77	9.60	9.48	9.36	9.19
180.0	11.24	10.89	10.65	10.48	10.24	10.07	9.71	9.48	9.36
225.0	11.53	10.89	10.59	10.30	10.07	9.77	9.54	9.36	9.31
270.0	11.65	11.29	10.94	10.48	10.24	10.07	9.71	9.48	9.42
315.0	10.65	10.48	10.30	10.07	9.95	9.77	9.54	9.48	9.36
360.0	10.36	10.12	9.95	9.77	9.60	9.48	9.36	9.31	9.25

Intensity data(cd)

C/γ(°)	90.0
0.0	9.19
45.0	9.25
90.0	9.19
135.0	9.25
180.0	9.25
225.0	9.19
270.0	9.25
315.0	9.19
360.0	9.19