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NT

Client:
LumCAT: 2-2569-L
Luminaire: 92.70.412.00
Report No: 2024806-B008
Ballast type: AC

Test No: 2024806-C008	Voltage(V): 34.960
LampCAT: CITIZEN CLU038 LES14.5	Current(A): 0.450
Lamp flux(lm): 2571.0	Power (W): 15.732
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2356.64, Efficiency(%): 91.66% , Luminous Efficacy(lm/W): 149.80
Central intensity(cd): 3945.353, Maximum intensity(cd): 3945.353
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=45.6
[C90/270]Total=45.6
Field angle(10%Imax): [C0/180]Total=71.0
[C90/270]Total=71.0
Maximum s/h(1/2): C0_180=0.71 C90_270=0.71
Maximum s/h(1/4): C0_180=0.73 C90_270=0.73
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.66%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.862%

NT 2-2569-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3945.353	0.000	0	0.00%	0.00%
1.0	3943.158	3.775	3.775	0.15%	0.16%
2.0	3930.649	11.301	15.076	0.44%	0.64%
3.0	3907.167	18.745	33.821	0.73%	1.44%
4.0	3874.248	26.047	59.868	1.01%	2.54%
5.0	3823.041	33.113	92.981	1.29%	3.95%
6.0	3759.324	39.847	132.829	1.55%	5.64%
7.0	3683.172	46.195	179.024	1.80%	7.60%
8.0	3595.169	52.090	231.114	2.03%	9.81%
9.0	3504.971	57.543	288.657	2.24%	12.25%
10.0	3398.167	62.471	351.128	2.43%	14.90%
11.0	3297.070	66.899	418.027	2.60%	17.74%
12.0	3175.270	70.752	488.779	2.75%	20.74%
13.0	3068.101	74.093	562.872	2.88%	23.88%
14.0	2958.151	77.136	640.007	3.00%	27.16%
15.0	2858.590	79.855	719.862	3.11%	30.55%
16.0	2746.373	82.128	801.991	3.19%	34.03%
17.0	2633.644	83.781	885.772	3.26%	37.59%
18.0	2529.401	85.127	970.899	3.31%	41.20%
19.0	2415.136	86.025	1056.924	3.35%	44.85%
20.0	2305.113	86.394	1143.318	3.36%	48.51%
21.0	2186.679	86.252	1229.569	3.35%	52.17%
22.0	2067.293	85.485	1315.055	3.32%	55.80%
23.0	1953.466	84.366	1399.421	3.28%	59.38%
24.0	1841.250	82.966	1482.387	3.23%	62.90%
25.0	1732.690	81.264	1563.651	3.16%	66.35%
26.0	1613.524	78.988	1642.638	3.07%	69.70%
27.0	1454.621	75.063	1717.701	2.92%	72.89%
28.0	1293.581	69.579	1787.28	2.71%	75.84%
29.0	1218.212	65.716	1852.996	2.56%	78.63%
30.0	1090.808	62.343	1915.339	2.42%	81.27%
31.0	948.891	56.762	1972.1	2.21%	83.68%
32.0	805.489	50.261	2022.361	1.95%	85.82%
33.0	675.225	43.622	2065.984	1.70%	87.67%
34.0	555.437	37.243	2103.227	1.45%	89.25%
35.0	439.848	30.910	2134.137	1.20%	90.56%
36.0	344.054	24.960	2159.097	0.97%	91.62%
37.0	267.163	19.934	2179.031	0.78%	92.46%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	240.879	16.958	2195.989	0.66%	93.18%
39.0	157.981	13.614	2209.603	0.53%	93.76%
40.0	127.272	9.949	2219.552	0.39%	94.18%
41.0	108.691	8.403	2227.954	0.33%	94.54%
42.0	96.467	7.454	2235.408	0.29%	94.86%
43.0	85.801	6.752	2242.16	0.26%	95.14%
44.0	76.877	6.140	2248.3	0.24%	95.40%
45.0	69.554	5.627	2253.927	0.22%	95.64%
46.0	63.299	5.196	2259.123	0.20%	95.86%
47.0	57.798	4.816	2263.939	0.19%	96.07%
48.0	52.714	4.467	2268.407	0.17%	96.26%
49.0	48.252	4.146	2272.553	0.16%	96.43%
50.0	44.404	3.863	2276.416	0.15%	96.60%
51.0	41.536	3.636	2280.052	0.14%	96.75%
52.0	38.852	3.450	2283.502	0.13%	96.90%
53.0	36.445	3.275	2286.777	0.13%	97.04%
54.0	34.419	3.123	2289.9	0.12%	97.17%
55.0	32.473	2.986	2292.886	0.12%	97.29%
56.0	30.893	2.863	2295.749	0.11%	97.42%
57.0	29.503	2.761	2298.511	0.11%	97.53%
58.0	28.120	2.665	2301.176	0.10%	97.65%
59.0	26.986	2.576	2303.752	0.10%	97.76%
60.0	25.889	2.498	2306.25	0.10%	97.86%
61.0	24.923	2.425	2308.675	0.09%	97.96%
62.0	23.936	2.354	2311.029	0.09%	98.06%
63.0	23.138	2.289	2313.318	0.09%	98.16%
64.0	22.304	2.230	2315.548	0.09%	98.26%
65.0	21.595	2.173	2317.721	0.08%	98.35%
66.0	20.900	2.120	2319.841	0.08%	98.44%
67.0	20.176	2.065	2321.906	0.08%	98.53%
68.0	19.561	2.013	2323.919	0.08%	98.61%
69.0	18.881	1.961	2325.881	0.08%	98.69%
70.0	18.274	1.908	2327.789	0.07%	98.78%
71.0	17.637	1.856	2329.645	0.07%	98.85%
72.0	17.067	1.804	2331.449	0.07%	98.93%
73.0	16.584	1.760	2333.209	0.07%	99.01%
74.0	16.042	1.715	2334.924	0.07%	99.08%
75.0	15.501	1.667	2336.591	0.06%	99.15%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.989	1.619	2338.209	0.06%	99.22%
77.0	14.528	1.574	2339.783	0.06%	99.28%
78.0	14.067	1.531	2341.314	0.06%	99.35%
79.0	13.606	1.487	2342.801	0.06%	99.41%
80.0	13.153	1.443	2344.243	0.06%	99.47%
81.0	12.707	1.398	2345.642	0.05%	99.53%
82.0	12.297	1.356	2346.998	0.05%	99.59%
83.0	11.909	1.316	2348.314	0.05%	99.65%
84.0	11.566	1.279	2349.593	0.05%	99.70%
85.0	11.251	1.245	2350.838	0.05%	99.75%
86.0	10.929	1.212	2352.05	0.05%	99.81%
87.0	10.666	1.182	2353.232	0.05%	99.86%
88.0	10.461	1.157	2354.389	0.05%	99.90%
89.0	10.241	1.135	2355.524	0.04%	99.95%
90.0	10.073	1.114	2356.638	0.04%	100.00%

Zonal flux distribution table

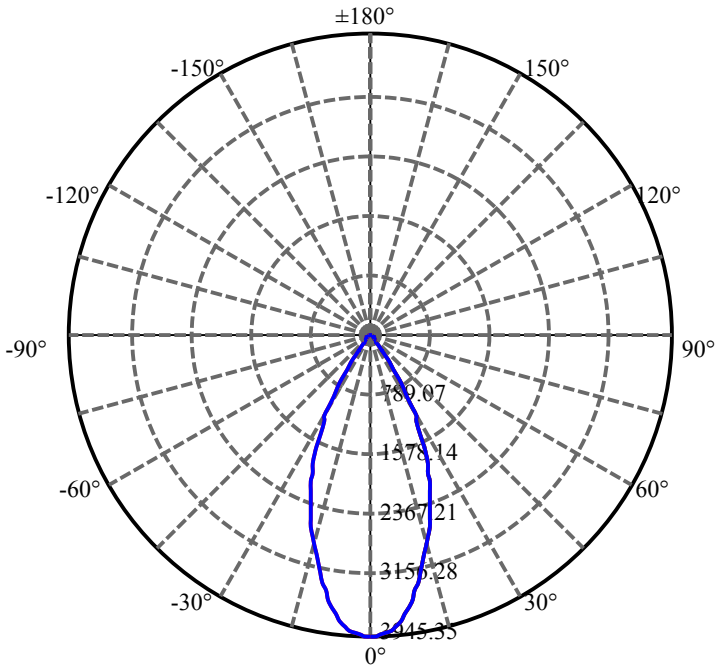
ZONAL LUMEN SUMMARY

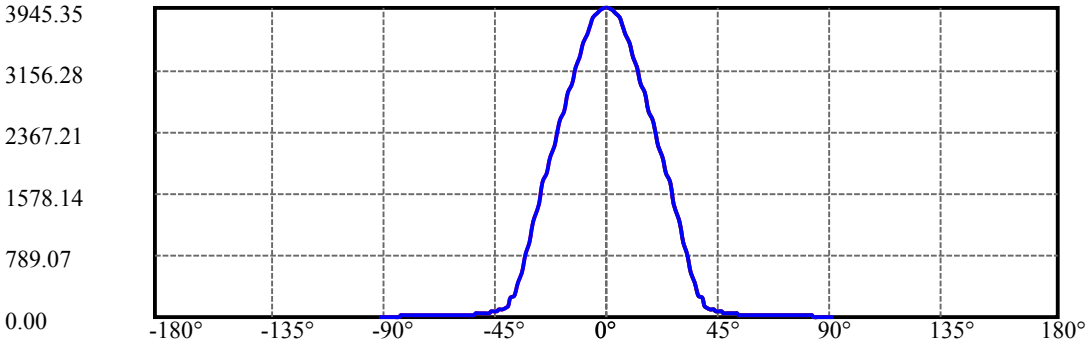
Zone	Lumens	%Lamp	%Fixt
0-30	1915.34	74.50%	81.27%
0-40	2219.55	86.33%	94.18%
0-60	2306.25	89.70%	97.86%
0-90	2355.52	91.62%	99.95%
0-120	2355.52	91.62%	99.95%
0-180	2356.64	91.66%	100.00%
60-90	49.27	1.92%	2.09%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-29.52	1885.31	73.33%	80.00%

ZONAL LUMEN SUMMARY

0-10	351.13
10-20	792.19
20-30	772.02
30-40	304.21
40-50	56.86
50-60	29.83
60-70	21.54
70-80	16.45
80-90	11.28
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:35.5 Right:35.5
:C90/270Left:35.5 Right:35.5

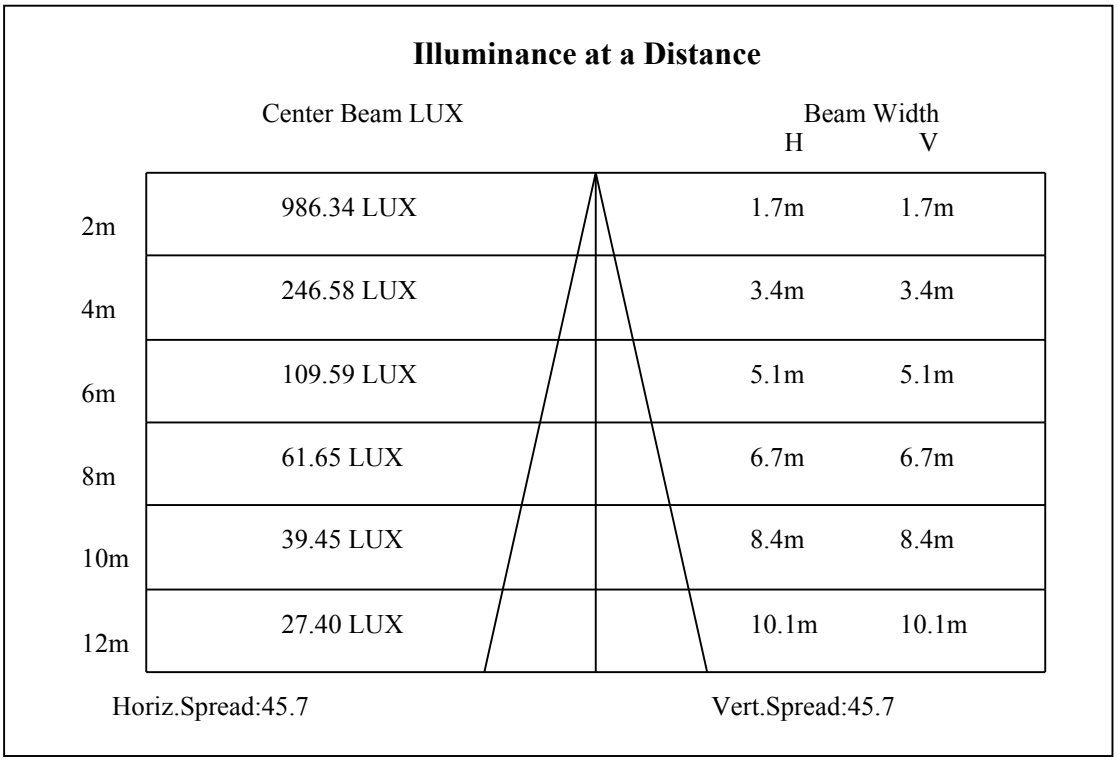
Beam Angle(50%Imax):C0/180Left:22.8 Right:22.8
:C90/270Left:22.8 Right:22.8

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/6
Humidity(%): 60.0%

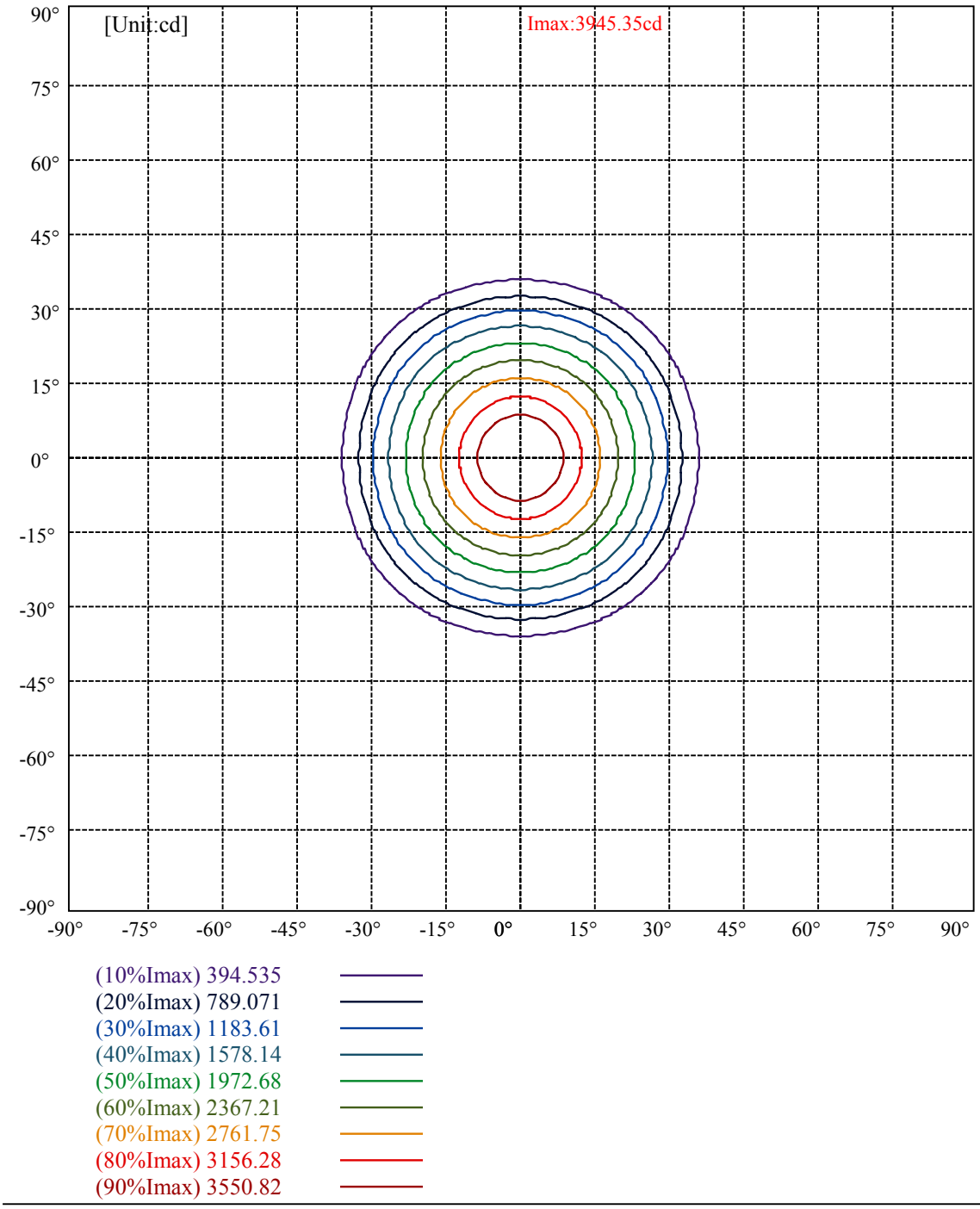
Operator: NT07
Distance(m): 7.65

Lux distance Curve



Equipment: GMS1980 Date: 2024/8/6 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

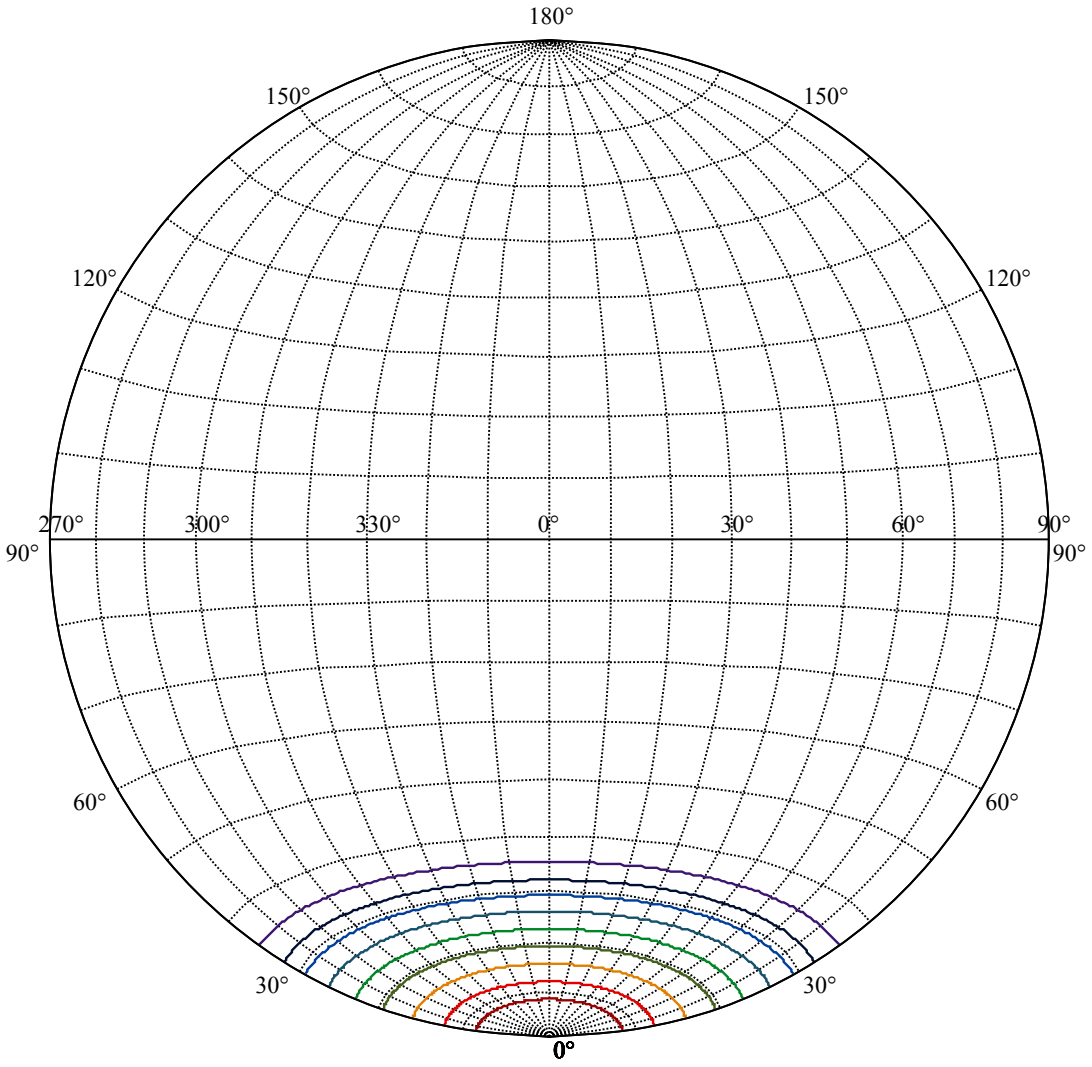


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/6
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



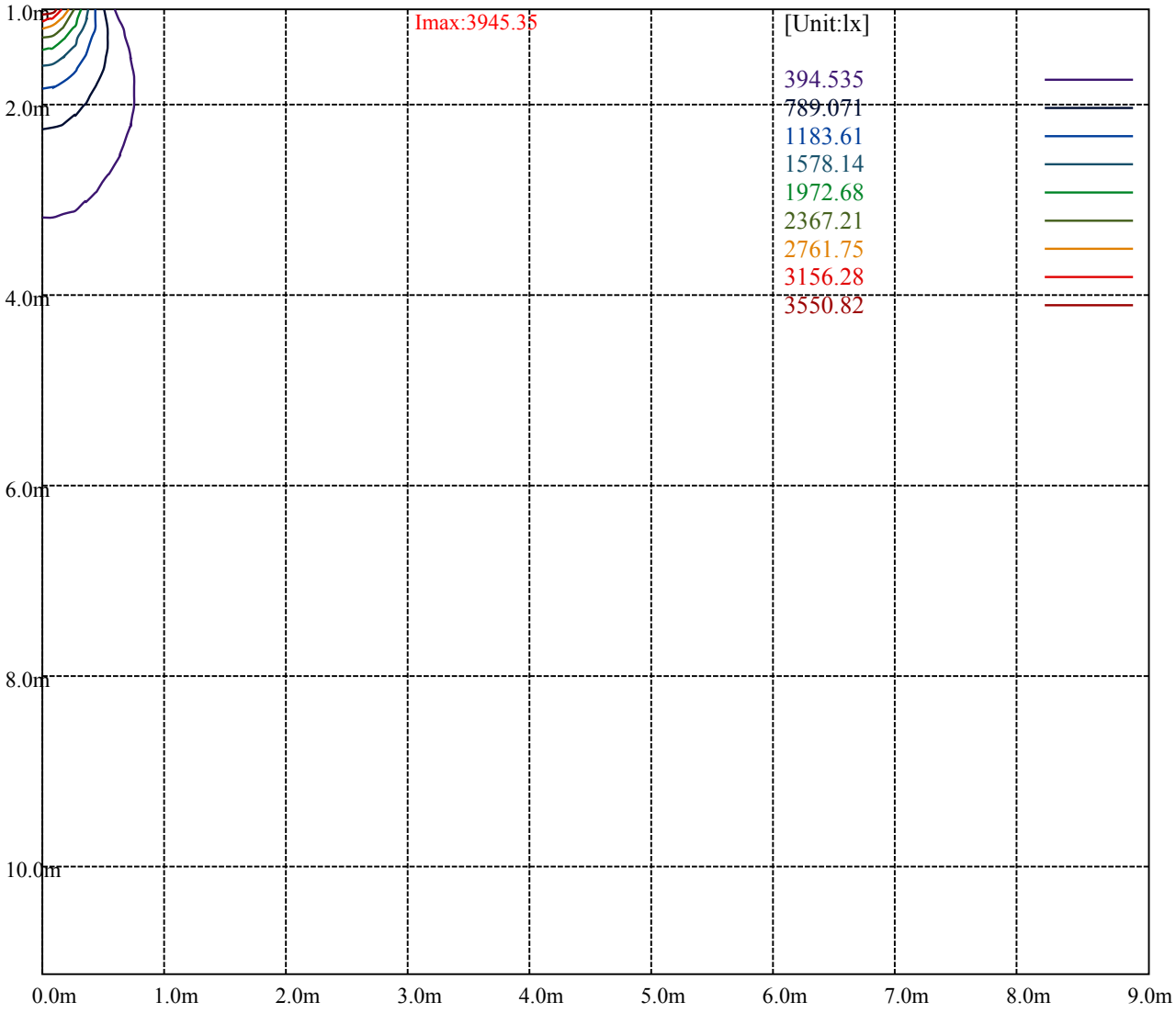
House [Unit:cd] Road

Imax:3945.35

(10%Imax) 394.535
(20%Imax) 789.071
(30%Imax) 1183.61
(40%Imax) 1578.14
(50%Imax) 1972.68
(60%Imax) 2367.21
(70%Imax) 2761.75
(80%Imax) 3156.28
(90%Imax) 3550.82

Equipment: GMS1980 Date: 2024/8/6 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/6
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2569-L

Luminance Limitting Curve(no luminous side)

Luminance Table

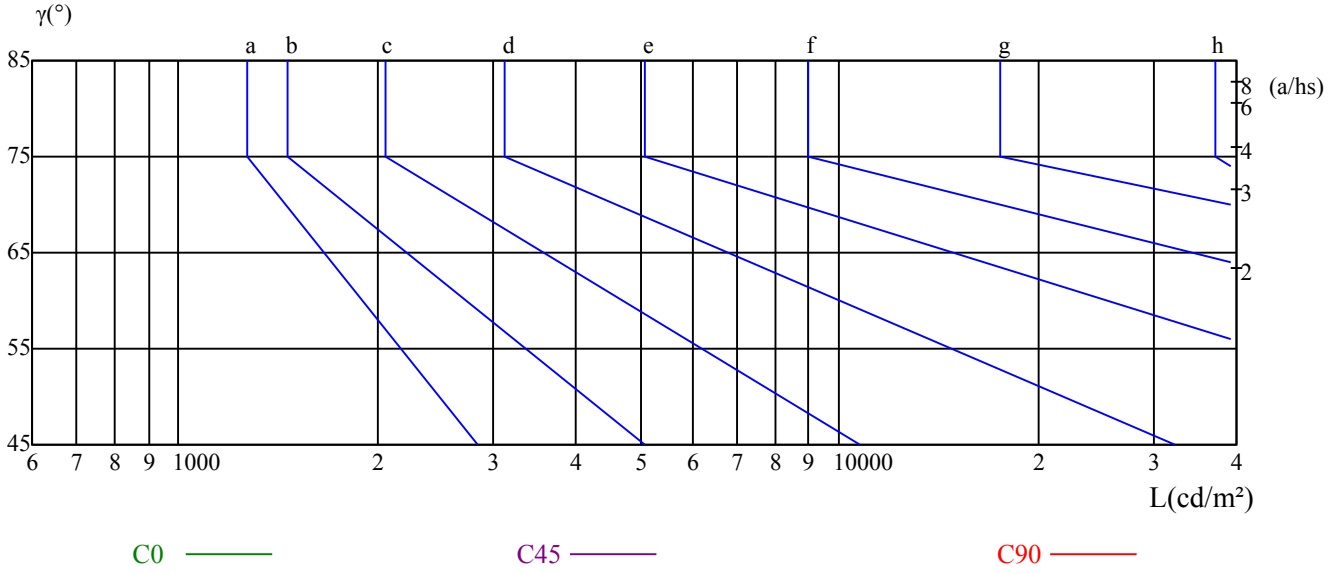
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

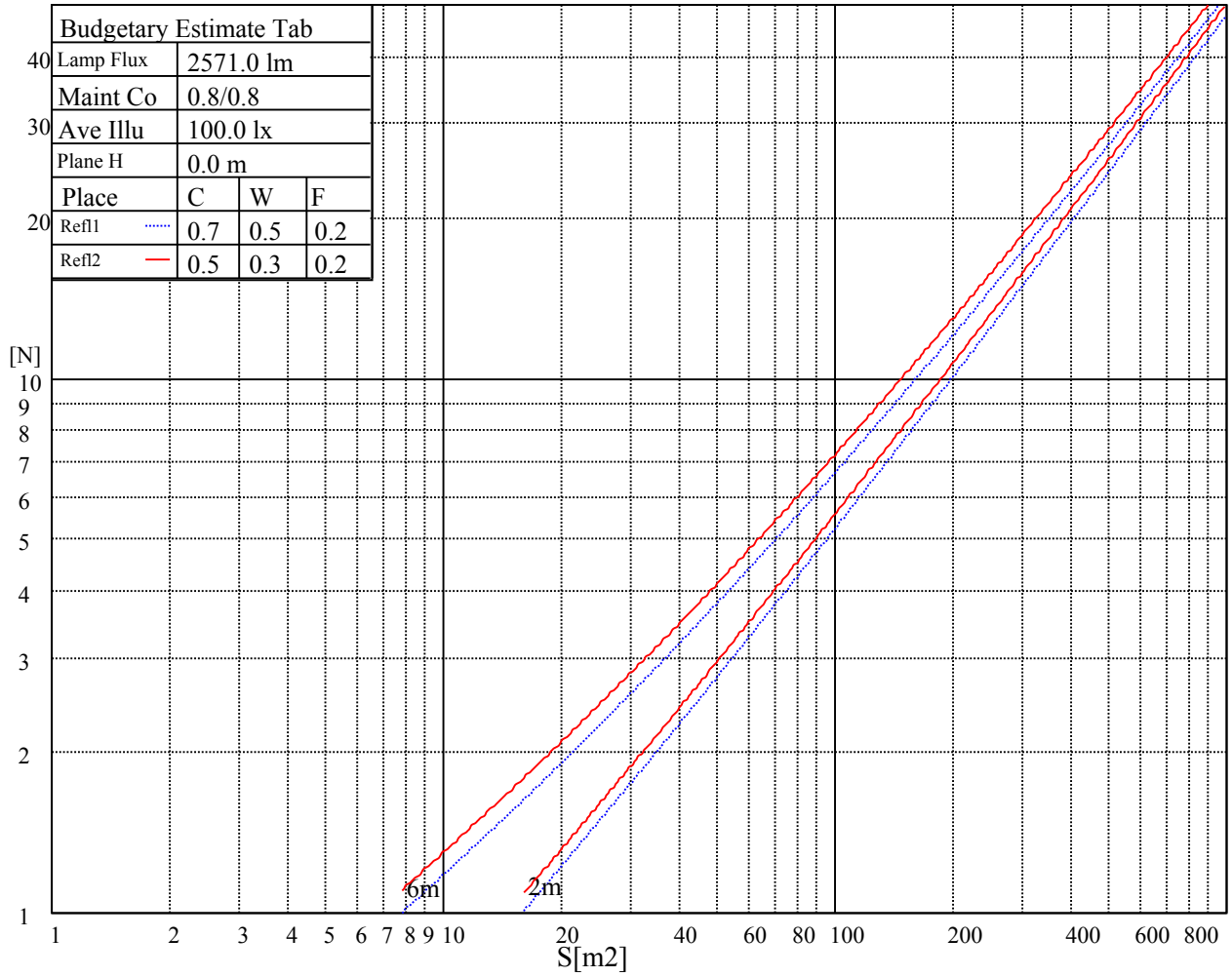
Date: 2024/8/6
Humidity(%): 60.0%

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

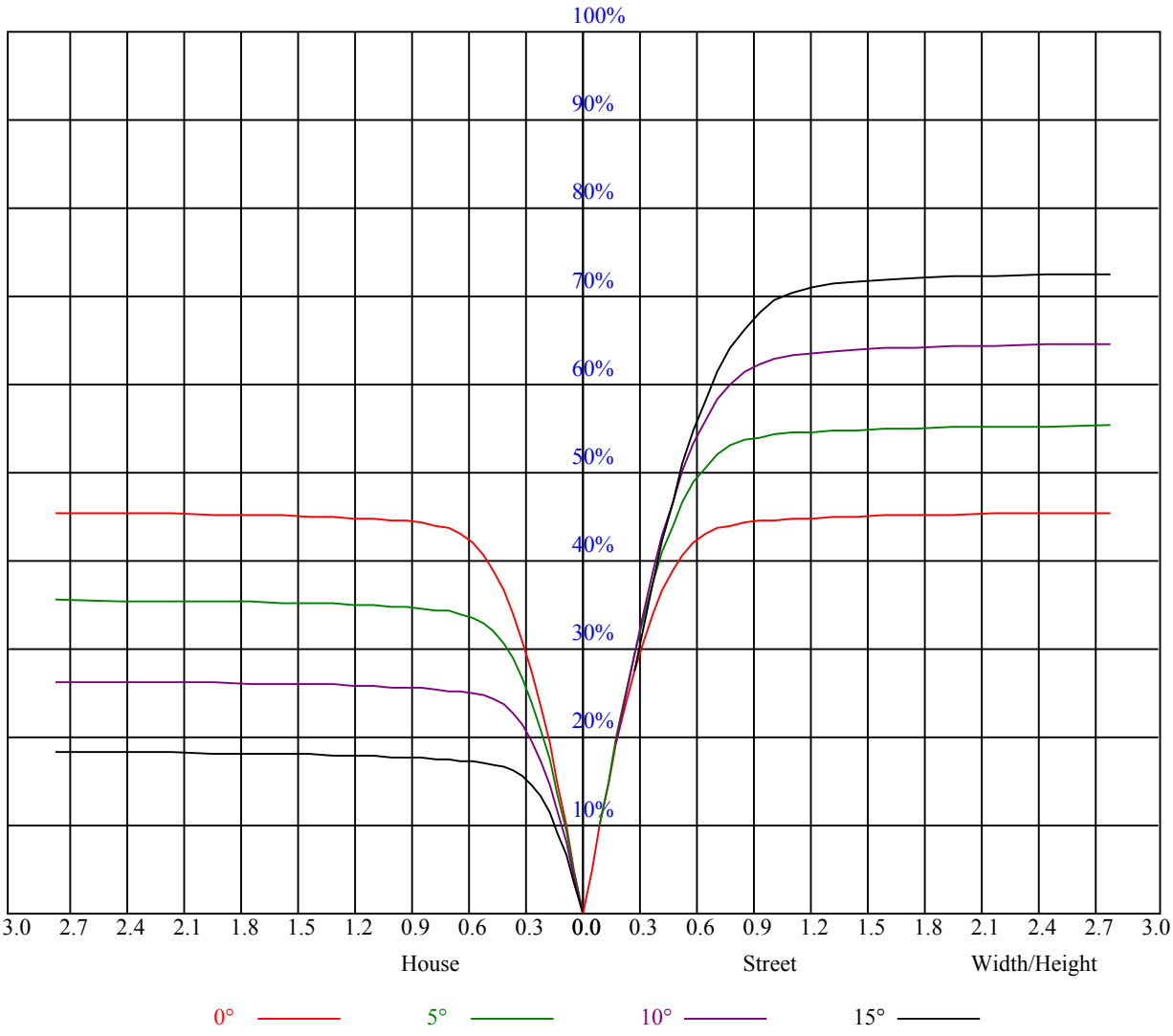


Equipment: GMS1980 Date: 2024/8/6 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

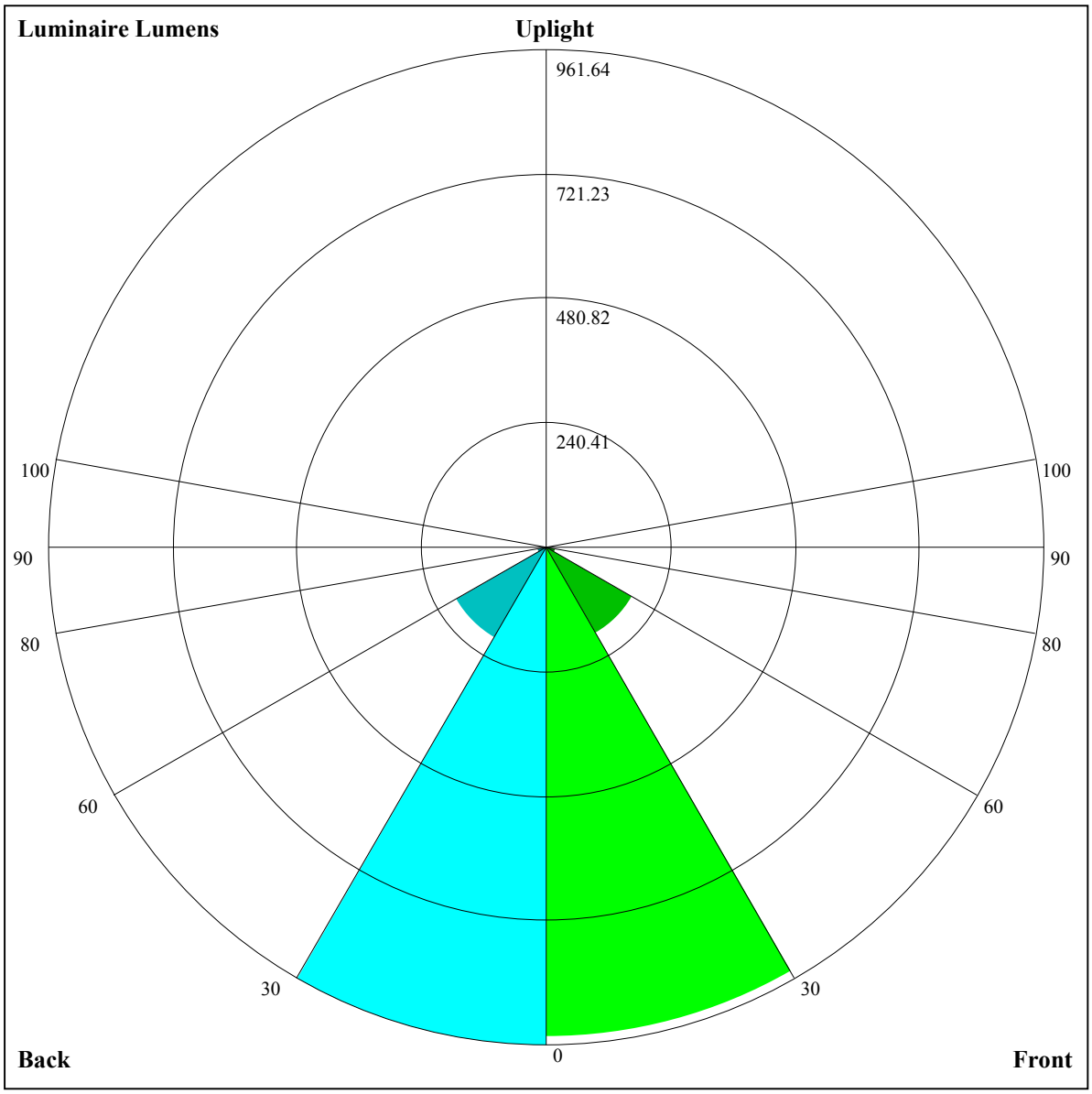
Utilization factor table for indoor luminaire

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	1.09	1.09	1.09	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.02	0.99	0.97	1.00	0.98	0.96	0.96	0.94	0.93	0.93	0.91	0.90	0.89	0.88	0.87	0.86
2	0.95	0.91	0.88	0.93	0.90	0.87	0.90	0.88	0.86	0.88	0.86	0.84	0.85	0.84	0.82	0.80
3	0.89	0.85	0.81	0.88	0.84	0.81	0.86	0.82	0.79	0.83	0.81	0.78	0.81	0.79	0.77	0.76
4	0.84	0.79	0.76	0.83	0.79	0.75	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.71
5	0.79	0.74	0.71	0.78	0.74	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.68	0.67
6	0.75	0.70	0.66	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.71	0.67	0.65	0.64
7	0.71	0.66	0.63	0.71	0.66	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.61	0.60
8	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.57
9	0.64	0.59	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.62	0.58	0.55	0.54
10	0.61	0.57	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/8/6	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=946.41,FM=190.94,FH=18.93,FVH=6.14
BL=961.64,BM=203.59,BH=19.08,BVH=6.25
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	3938.62	3940.96	3928.09	3912.87	3871.91	3808.70	3751.35	3671.76	3559.98
45.0	3945.06	3944.48	3936.87	3903.51	3878.34	3839.72	3785.29	3723.85	3641.33
90.0	3942.72	3921.65	3899.41	3873.08	3839.72	3764.23	3685.81	3579.29	3492.68
135.0	3955.01	3941.55	3916.38	3893.56	3866.64	3810.46	3749.60	3681.12	3589.24
180.0	3938.62	3936.87	3929.84	3901.75	3876.59	3833.87	3767.15	3701.61	3617.92
225.0	3945.06	3942.13	3931.60	3906.44	3859.62	3807.53	3735.55	3662.98	3582.22
270.0	3942.72	3958.52	3961.45	3950.33	3930.43	3898.24	3850.84	3774.76	3699.27
315.0	3955.01	3959.11	3941.55	3915.80	3870.74	3821.58	3749.01	3670.00	3578.71
360.0	3938.62	3940.96	3928.09	3912.87	3871.91	3808.70	3751.35	3671.76	3559.98

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3468.69	3373.88	3267.95	3141.55	3042.06	2920.92	2819.09	2717.26	2586.75
45.0	3562.32	3475.71	3381.49	3255.67	3149.74	3037.96	2953.69	2851.86	2723.70
90.0	3402.56	3287.85	3187.78	3085.95	2987.63	2866.49	2765.25	2666.34	2562.17
135.0	3507.90	3423.62	3328.23	3198.90	3088.29	2991.73	2900.43	2783.39	2682.14
180.0	3523.11	3437.08	3343.45	3239.86	3116.97	3019.82	2927.94	2823.18	2702.04
225.0	3483.32	3352.23	3250.40	3142.72	3042.64	2918.58	2826.11	2698.53	2602.55
270.0	3610.31	3497.95	3391.44	3251.57	3136.86	3032.69	2926.18	2795.09	2678.63
315.0	3481.56	3337.01	3225.82	3085.95	2980.61	2877.02	2750.03	2635.33	2531.16
360.0	3468.69	3373.88	3267.95	3141.55	3042.06	2920.92	2819.09	2717.26	2586.75

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2488.44	2383.68	2274.24	2126.18	2009.72	1897.94	1790.85	1662.68	1550.90
45.0	2624.21	2527.65	2393.04	2287.70	2181.78	2067.07	1923.69	1811.92	1700.72
90.0	2462.10	2328.67	2223.33	2087.56	1982.22	1871.02	1735.25	1631.08	1523.98
135.0	2577.97	2452.74	2356.17	2225.67	2122.08	2018.50	1913.16	1782.65	1679.65
180.0	2601.97	2483.75	2383.68	2277.75	2145.49	2030.20	1930.13	1832.40	1709.50
225.0	2505.99	2386.61	2280.10	2173.58	2032.54	1926.62	1826.55	1726.47	1588.36
270.0	2574.46	2470.29	2344.47	2237.96	2126.18	1982.80	1874.53	1775.63	1652.73
315.0	2400.07	2287.70	2185.87	2077.02	1938.32	1833.57	1735.84	1638.69	1502.33
360.0	2488.44	2383.68	2274.24	2126.18	2009.72	1897.94	1790.85	1662.68	1550.90

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1428.59	1139.96	1139.96	1014.55	884.68	728.61	610.39	473.51	373.90
45.0	1583.09	1424.50	1292.82	1166.41	1003.13	874.38	719.89	602.84	496.33
90.0	1136.45	1136.45	1104.09	978.38	821.48	699.75	583.94	479.59	360.67
135.0	1571.97	1452.59	1299.26	1176.95	1046.44	884.33	757.92	637.95	496.91
180.0	1605.33	1490.04	1362.46	1198.01	1065.17	932.32	769.04	646.15	506.28
225.0	1465.46	1135.69	1135.69	1069.67	905.28	778.12	656.33	519.21	421.30
270.0	1547.39	1430.35	1272.34	1145.34	1017.18	856.83	733.35	616.89	513.30
315.0	1298.67	1139.08	1139.08	977.15	847.76	689.57	570.95	467.36	350.08
360.0	1428.59	1139.96	1139.96	1014.55	884.68	728.61	610.39	473.51	373.90

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	288.52	219.99	160.12	131.32	115.17	101.71	88.60	80.18	71.28
45.0	401.52	313.74	313.74	169.77	137.82	115.58	102.18	91.30	82.05
90.0	282.96	220.28	173.52	135.36	118.39	102.30	92.11	83.39	73.97
135.0	397.43	309.06	309.06	168.84	136.06	112.89	101.30	90.89	82.34
180.0	403.86	314.91	314.91	167.43	134.02	113.77	100.48	87.08	78.24
225.0	313.21	241.23	184.35	138.82	118.51	103.88	91.82	82.46	72.51
270.0	392.16	307.89	307.89	224.08	145.90	120.03	105.87	92.23	82.81
315.0	272.77	210.21	163.45	128.22	112.30	99.37	89.36	78.89	71.81
360.0	288.52	219.99	160.12	131.32	115.17	101.71	88.60	80.18	71.28

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	65.31	60.10	55.19	49.92	46.41	42.72	40.32	38.16	36.17
45.0	72.63	66.36	60.92	54.95	50.74	46.23	43.25	40.79	38.62
90.0	67.48	61.86	56.83	51.32	47.58	44.24	41.43	38.33	35.93
135.0	73.09	66.83	61.16	56.18	50.39	46.47	43.13	39.74	37.34
180.0	71.05	64.78	58.17	53.26	48.75	44.24	41.14	38.68	35.93
225.0	66.01	60.40	54.19	49.69	45.76	41.84	39.33	36.99	34.41
270.0	75.20	66.89	61.51	56.36	50.74	46.94	43.66	40.91	37.92
315.0	65.66	59.17	54.43	50.04	45.65	42.55	40.03	37.22	35.23
360.0	65.31	60.10	55.19	49.92	46.41	42.72	40.32	38.16	36.17

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	33.94	32.30	30.84	29.50	27.92	26.80	25.81	24.87	23.82
45.0	36.17	34.35	32.77	31.31	29.61	28.44	27.27	26.16	24.99
90.0	34.00	31.72	30.08	28.73	27.21	26.10	25.16	23.99	23.23
135.0	35.29	32.95	31.25	29.90	28.38	27.33	26.28	25.34	24.23
180.0	34.00	31.89	30.43	29.09	27.92	26.63	25.69	24.87	24.05
225.0	32.71	30.84	29.44	28.27	27.15	26.16	25.05	24.17	23.35
270.0	35.87	33.94	32.36	30.55	29.26	28.03	26.69	25.75	24.58
315.0	33.36	31.78	29.96	28.68	27.51	26.39	25.16	24.23	23.23
360.0	33.94	32.30	30.84	29.50	27.92	26.80	25.81	24.87	23.82

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	23.00	22.06	21.42	20.72	19.90	19.25	18.61	18.02	17.32
45.0	24.11	23.06	22.30	21.59	20.78	20.07	19.37	18.67	17.91
90.0	22.47	21.71	20.95	20.37	19.78	19.20	18.43	17.85	17.15
135.0	23.47	22.77	22.06	21.24	20.60	20.07	19.31	18.73	17.97
180.0	23.29	22.41	21.77	21.19	20.42	19.84	19.20	18.61	18.08
225.0	22.65	21.77	21.13	20.54	19.78	19.25	18.55	18.02	17.50
270.0	23.70	22.94	22.24	21.30	20.60	19.96	19.31	18.55	17.97
315.0	22.41	21.71	20.89	20.25	19.55	18.84	18.26	17.73	17.21
360.0	23.00	22.06	21.42	20.72	19.90	19.25	18.61	18.02	17.32

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	16.80	16.33	15.86	15.22	14.81	14.34	13.75	13.34	12.93
45.0	17.32	16.80	16.27	15.63	15.16	14.69	14.16	13.69	13.28
90.0	16.68	16.15	15.57	15.04	14.57	14.05	13.64	13.17	12.70
135.0	17.38	16.85	16.33	15.74	15.22	14.81	14.34	13.87	13.40
180.0	17.44	17.03	16.50	16.04	15.51	15.04	14.63	14.22	13.69
225.0	16.85	16.44	15.92	15.45	14.92	14.51	14.05	13.64	13.17
270.0	17.50	16.97	16.33	15.80	15.22	14.75	14.34	13.81	13.34
315.0	16.56	16.09	15.57	15.10	14.51	14.05	13.64	13.11	12.70
360.0	16.80	16.33	15.86	15.22	14.81	14.34	13.75	13.34	12.93

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.47	12.11	11.65	11.35	11.12	10.77	10.53	10.36	10.07
45.0	12.76	12.35	11.88	11.53	11.24	10.89	10.65	10.42	10.18
90.0	12.23	11.82	11.53	11.12	10.89	10.65	10.42	10.18	10.07
135.0	12.99	12.47	12.11	11.65	11.35	11.00	10.71	10.48	10.24
180.0	13.34	12.87	12.47	12.11	11.82	11.35	11.06	10.89	10.71
225.0	12.76	12.35	12.00	11.70	11.29	11.06	10.77	10.65	10.36
270.0	12.82	12.47	12.06	11.76	11.35	11.00	10.71	10.48	10.24
315.0	12.29	11.94	11.59	11.29	10.94	10.71	10.48	10.24	10.07
360.0	12.47	12.11	11.65	11.35	11.12	10.77	10.53	10.36	10.07

Intensity data(cd)

C/γ(°)	90.0
0.0	10.07
45.0	10.07
90.0	10.07
135.0	10.12
180.0	10.12
225.0	10.01
270.0	10.07
315.0	10.07
360.0	10.07