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NT

Client:
LumCAT: 2-2689-L
Luminaire: 92.70.429.00
Report No: 2024411-B011
Ballast type: AC

Test No: 2024411-C011	Voltage(V): 34.780
LampCAT: CREE CXA1830 LES14	Current(A): 0.530
Lamp flux(lm): 2685.0	Power (W): 18.433
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2244.40, Efficiency(%): 83.59% , Luminous Efficacy(lm/W): 121.76
Central intensity(cd): 4203.584, Maximum intensity(cd): 4203.584
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=43.2
[C90/270]Total=43.2
Field angle(10%Imax): [C0/180]Total=66.6
[C90/270]Total=66.6
Maximum s/h(1/2): C0_180=0.69 C90_270=0.69
Maximum s/h(1/4): C0_180=0.68 C90_270=0.68
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 83.59%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.753%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4203.583	0.000	0	0.00%	0.00%
1.0	4202.340	4.022	4.022	0.15%	0.18%
2.0	4194.000	12.051	16.073	0.45%	0.72%
3.0	4175.200	20.016	36.09	0.75%	1.61%
4.0	4148.206	27.861	63.951	1.04%	2.85%
5.0	4104.754	35.504	99.455	1.32%	4.43%
6.0	4055.741	42.886	142.34	1.60%	6.34%
7.0	3978.199	49.867	192.207	1.86%	8.56%
8.0	3900.364	56.385	248.592	2.10%	11.08%
9.0	3813.238	62.515	311.107	2.33%	13.86%
10.0	3714.116	68.120	379.226	2.54%	16.90%
11.0	3597.510	73.058	452.285	2.72%	20.15%
12.0	3474.759	77.310	529.595	2.88%	23.60%
13.0	3346.668	80.953	610.548	3.02%	27.20%
14.0	3208.701	83.908	694.456	3.13%	30.94%
15.0	3060.639	86.068	780.524	3.21%	34.78%
16.0	2919.380	87.624	868.148	3.26%	38.68%
17.0	2771.611	88.624	956.772	3.30%	42.63%
18.0	2636.570	89.169	1045.941	3.32%	46.60%
19.0	2487.704	89.152	1135.093	3.32%	50.57%
20.0	2338.252	88.328	1223.422	3.29%	54.51%
21.0	2191.068	86.972	1310.394	3.24%	58.39%
22.0	2033.350	84.891	1395.285	3.16%	62.17%
23.0	1881.045	82.135	1477.42	3.06%	65.83%
24.0	1705.331	78.411	1555.831	2.92%	69.32%
25.0	1551.051	74.043	1629.874	2.76%	72.62%
26.0	1355.242	68.603	1698.477	2.56%	75.68%
27.0	1208.680	62.727	1761.204	2.34%	78.47%
28.0	1090.816	58.218	1819.423	2.17%	81.07%
29.0	941.320	53.166	1872.589	1.98%	83.43%
30.0	798.935	46.987	1919.575	1.75%	85.53%
31.0	667.018	40.795	1960.371	1.52%	87.35%
32.0	552.365	34.934	1995.305	1.30%	88.90%
33.0	448.114	29.474	2024.779	1.10%	90.21%
34.0	355.202	24.311	2049.09	0.91%	91.30%
35.0	295.436	20.206	2069.296	0.75%	92.20%
36.0	245.509	17.224	2086.52	0.64%	92.97%
37.0	176.870	13.776	2100.296	0.51%	93.58%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	148.603	10.864	2111.16	0.40%	94.06%
39.0	108.632	8.780	2119.94	0.33%	94.45%
40.0	88.376	6.871	2126.811	0.26%	94.76%
41.0	74.199	5.789	2132.6	0.22%	95.02%
42.0	64.967	5.056	2137.656	0.19%	95.24%
43.0	57.959	4.554	2142.21	0.17%	95.45%
44.0	52.868	4.183	2146.393	0.16%	95.63%
45.0	49.181	3.922	2150.314	0.15%	95.81%
46.0	46.116	3.727	2154.041	0.14%	95.97%
47.0	43.614	3.569	2157.61	0.13%	96.13%
48.0	41.236	3.430	2161.04	0.13%	96.29%
49.0	39.159	3.301	2164.342	0.12%	96.43%
50.0	37.147	3.181	2167.523	0.12%	96.57%
51.0	35.370	3.068	2170.591	0.11%	96.71%
52.0	33.702	2.964	2173.555	0.11%	96.84%
53.0	32.107	2.863	2176.418	0.11%	96.97%
54.0	30.615	2.765	2179.182	0.10%	97.09%
55.0	29.247	2.672	2181.854	0.10%	97.21%
56.0	28.040	2.589	2184.443	0.10%	97.33%
57.0	26.701	2.503	2186.946	0.09%	97.44%
58.0	25.552	2.416	2189.362	0.09%	97.55%
59.0	24.433	2.337	2191.699	0.09%	97.65%
60.0	23.299	2.255	2193.954	0.08%	97.75%
61.0	22.143	2.169	2196.123	0.08%	97.85%
62.0	20.995	2.079	2198.201	0.08%	97.94%
63.0	19.978	1.993	2200.194	0.07%	98.03%
64.0	18.961	1.911	2202.105	0.07%	98.12%
65.0	18.157	1.837	2203.942	0.07%	98.20%
66.0	17.513	1.780	2205.721	0.07%	98.28%
67.0	17.052	1.738	2207.459	0.06%	98.35%
68.0	16.796	1.715	2209.174	0.06%	98.43%
69.0	16.825	1.715	2210.889	0.06%	98.51%
70.0	16.986	1.736	2212.626	0.06%	98.58%
71.0	17.279	1.771	2214.397	0.07%	98.66%
72.0	17.696	1.819	2216.215	0.07%	98.74%
73.0	18.325	1.884	2218.099	0.07%	98.83%
74.0	18.727	1.948	2220.047	0.07%	98.92%
75.0	19.064	1.997	2222.044	0.07%	99.00%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.654	2.002	2224.046	0.07%	99.09%
77.0	18.171	1.963	2226.009	0.07%	99.18%
78.0	17.440	1.906	2227.915	0.07%	99.27%
79.0	16.350	1.815	2229.731	0.07%	99.35%
80.0	15.450	1.714	2231.445	0.06%	99.42%
81.0	14.309	1.609	2233.055	0.06%	99.49%
82.0	13.621	1.515	2234.569	0.06%	99.56%
83.0	13.197	1.458	2236.027	0.05%	99.63%
84.0	12.721	1.412	2237.439	0.05%	99.69%
85.0	11.697	1.333	2238.772	0.05%	99.75%
86.0	10.702	1.224	2239.996	0.05%	99.80%
87.0	10.256	1.147	2241.143	0.04%	99.86%
88.0	9.956	1.107	2242.25	0.04%	99.90%
89.0	9.737	1.079	2243.33	0.04%	99.95%
90.0	9.700	1.066	2244.395	0.04%	100.00%

Zonal flux distribution table

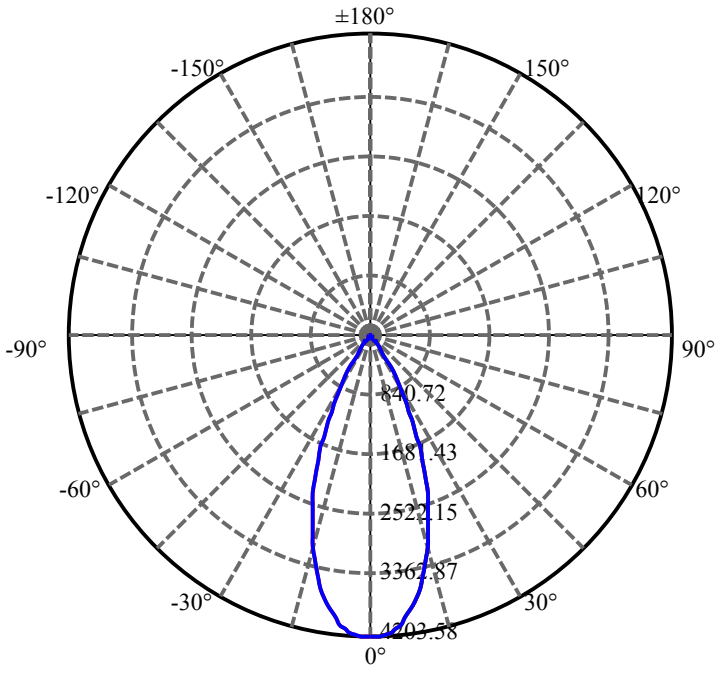
ZONAL LUMEN SUMMARY

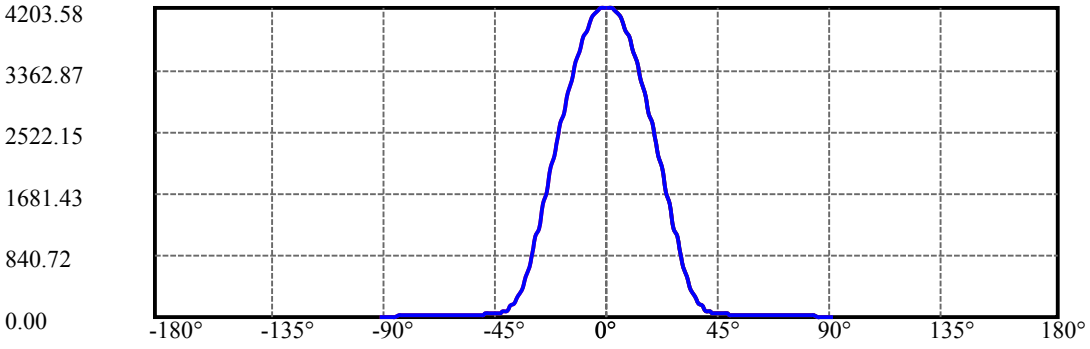
Zone	Lumens	%Lamp	%Fixt
0-30	1919.58	71.49%	85.53%
0-40	2126.81	79.21%	94.76%
0-60	2193.95	81.71%	97.75%
0-90	2243.33	83.55%	99.95%
0-120	2243.33	83.55%	99.95%
0-180	2244.40	83.59%	100.00%
60-90	49.38	1.84%	2.20%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.59	1795.52	66.87%	80.00%

ZONAL LUMEN SUMMARY

0-10	379.23
10-20	844.20
20-30	696.15
30-40	207.24
40-50	40.71
50-60	26.43
60-70	18.67
70-80	18.82
80-90	11.88
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):

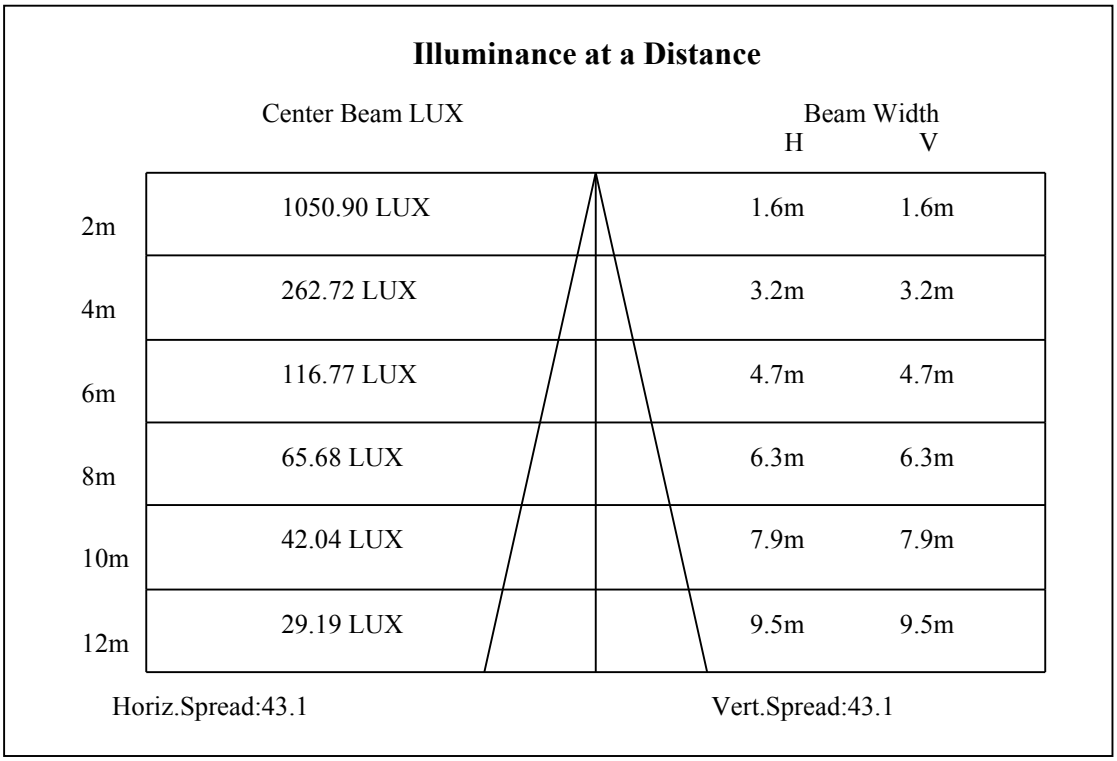
C0/C180:

C90/C270:

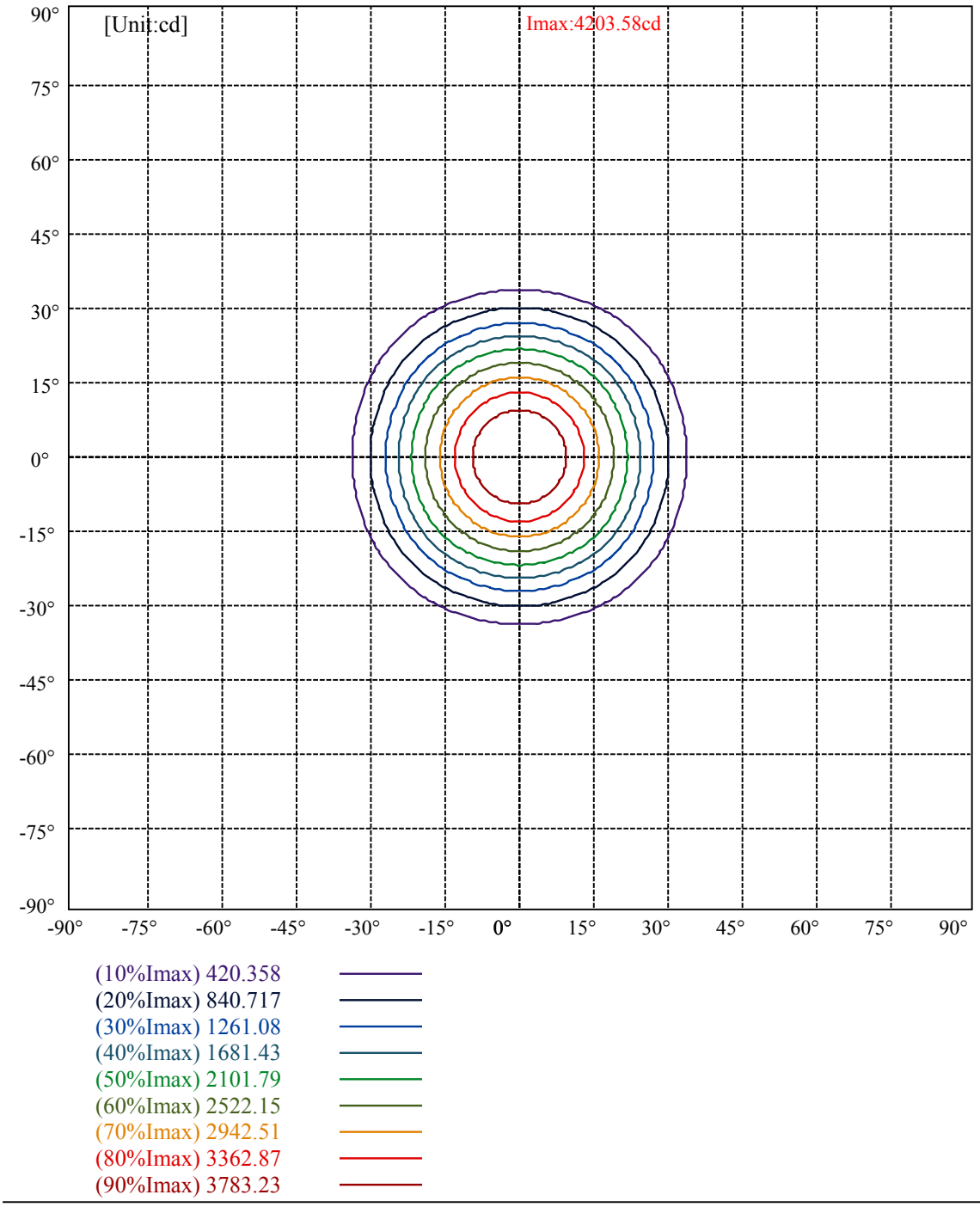
Field angle(10%Imax):C0/180Left:33.3 Right:33.3
:C90/270Left:33.3 Right:33.3

Beam Angle(50%Imax):C0/180Left:21.6 Right:21.6
:C90/270Left:21.6 Right:21.6

Lux distance Curve



ISO-Intensity(V-H)

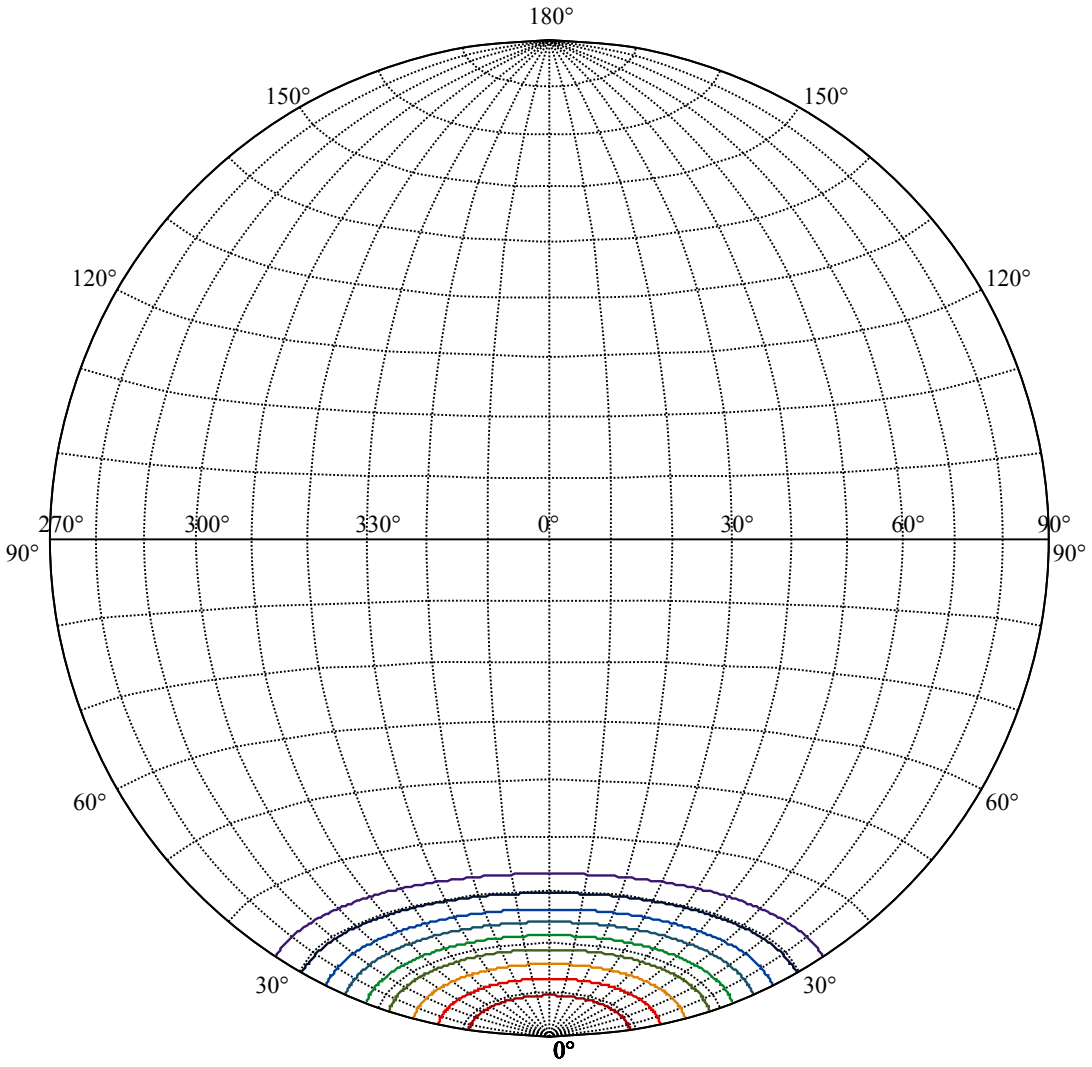


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/11
Humidity(%): 60.0%

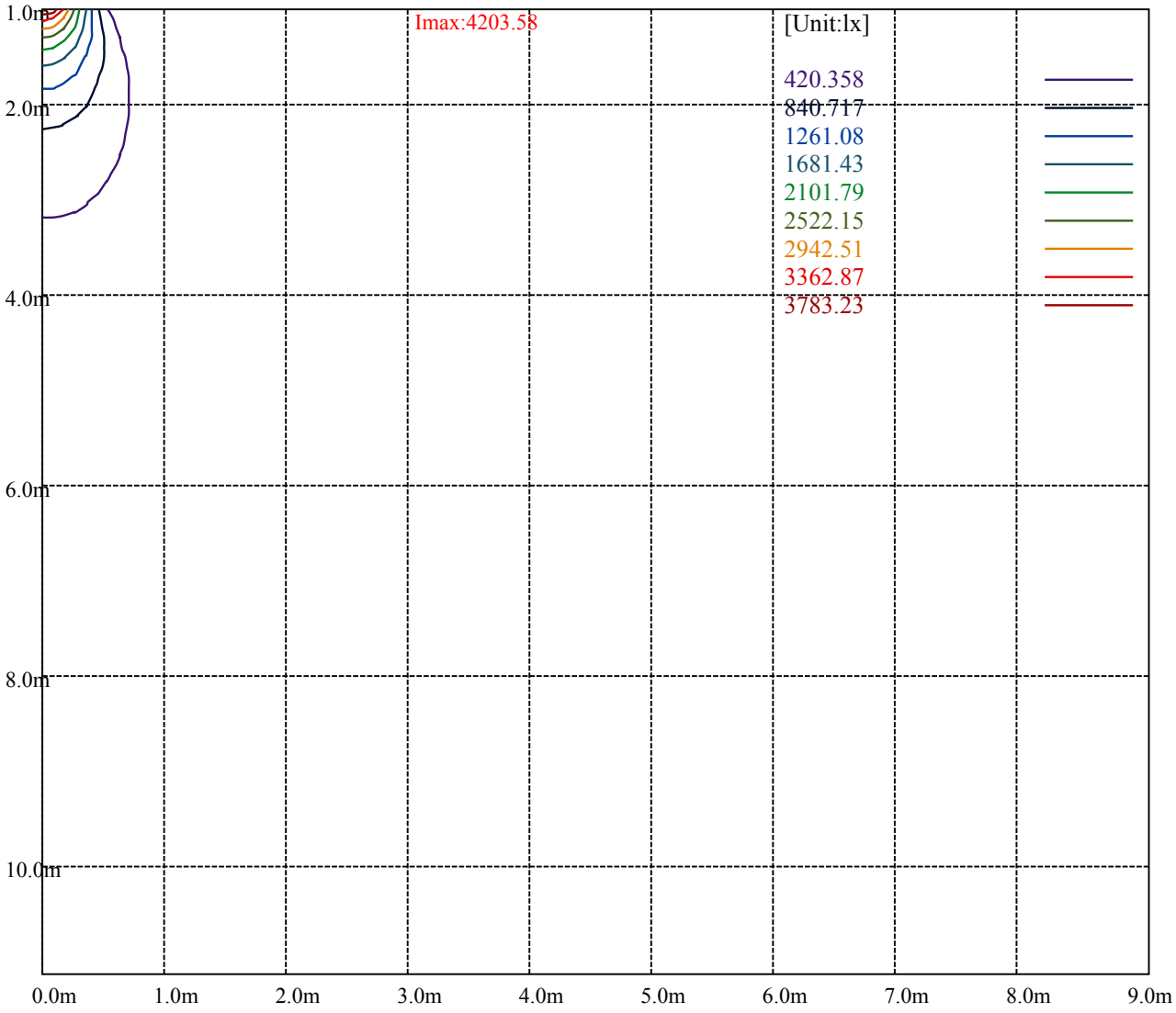
Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



Equipment: GMS1980	Date: 2024/4/11	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/11
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

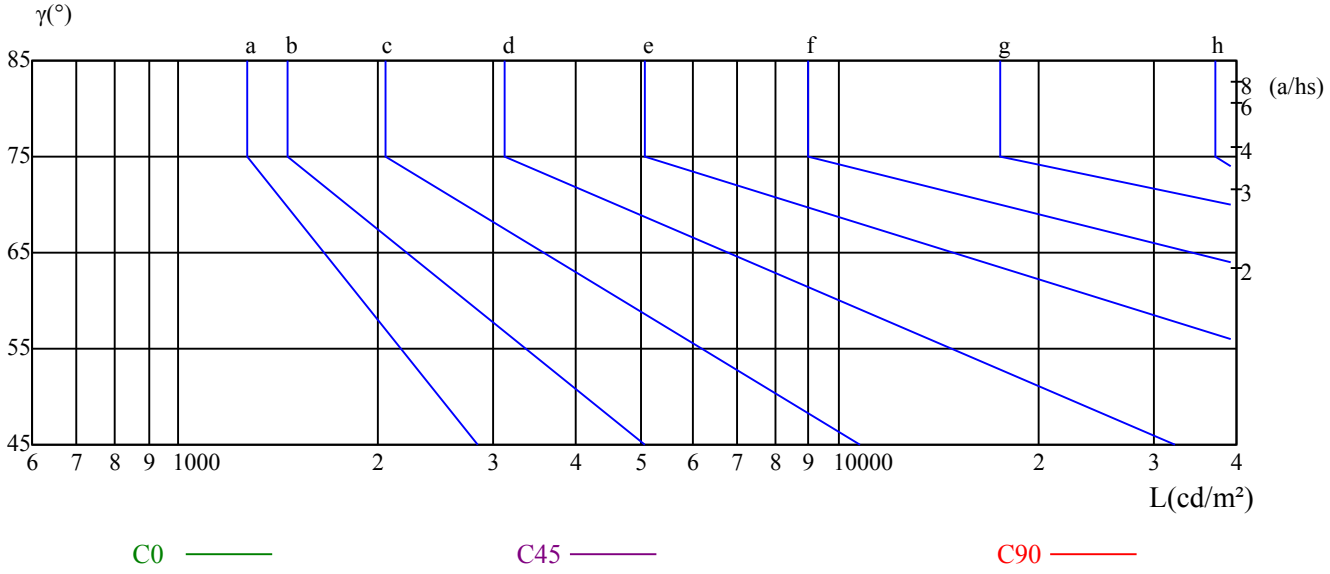
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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



Equipment: GMS1980
Temperature(°C): 25.0

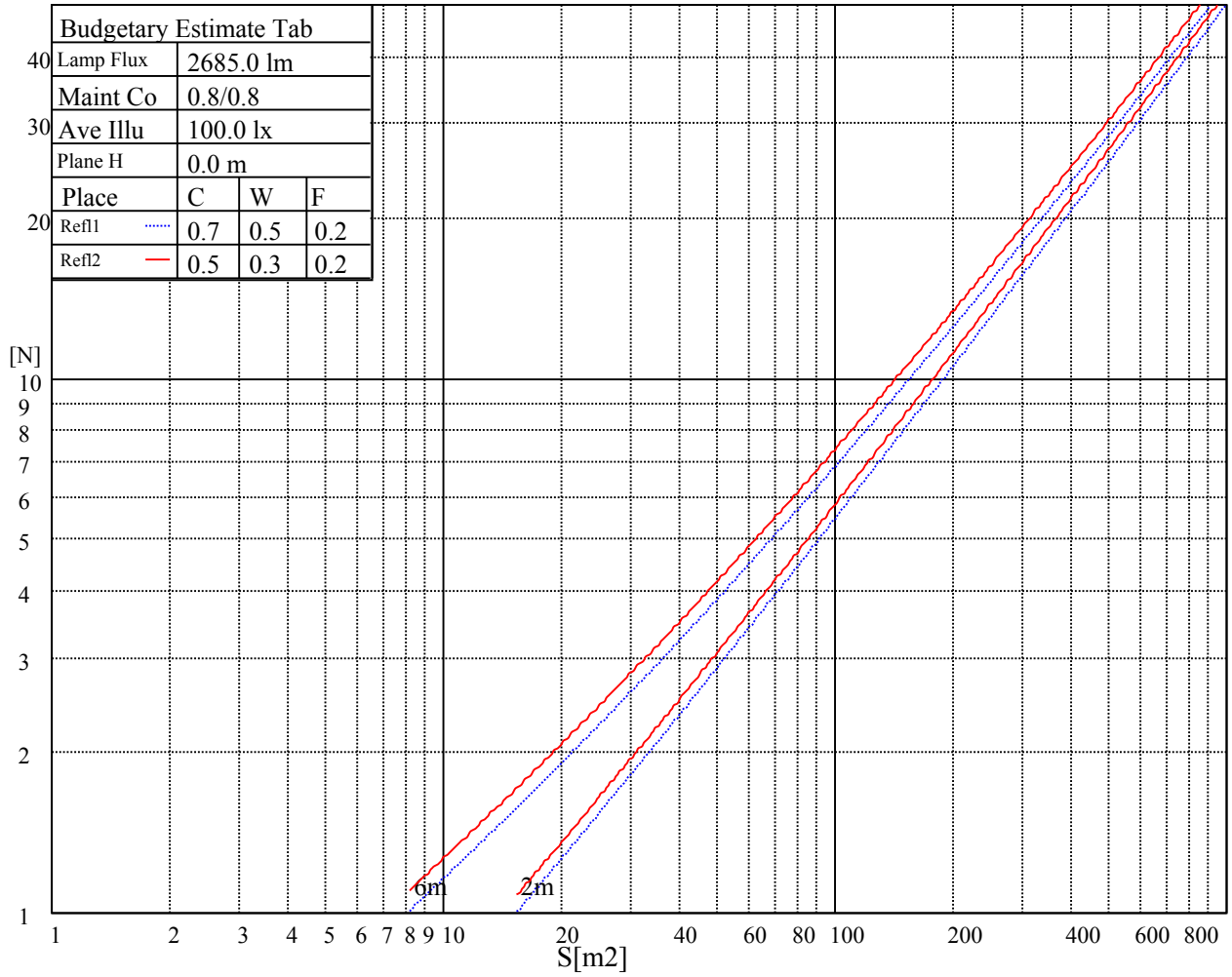
Date: 2024/4/11
Humidity(%): 60.0%

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 X Y	Viewed crosswise					Viewed endwise				
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
2H 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
2H 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
2H 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
2H 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
2H 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
4H 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 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
4H 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
4H 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
4H 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
8H 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 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
8H 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
12H 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
12H 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

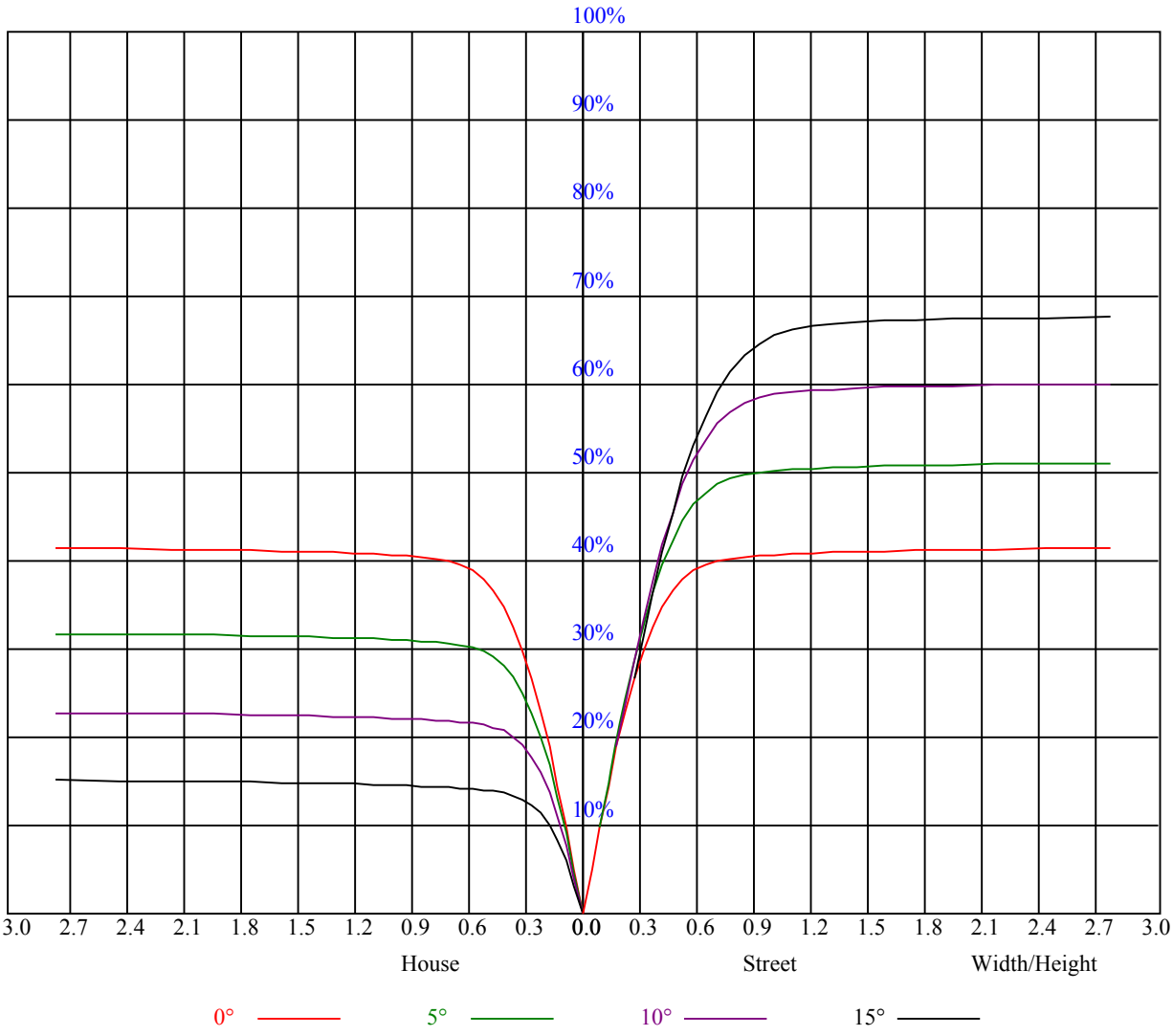


Equipment: GMS1980 Date: 2024/4/11 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

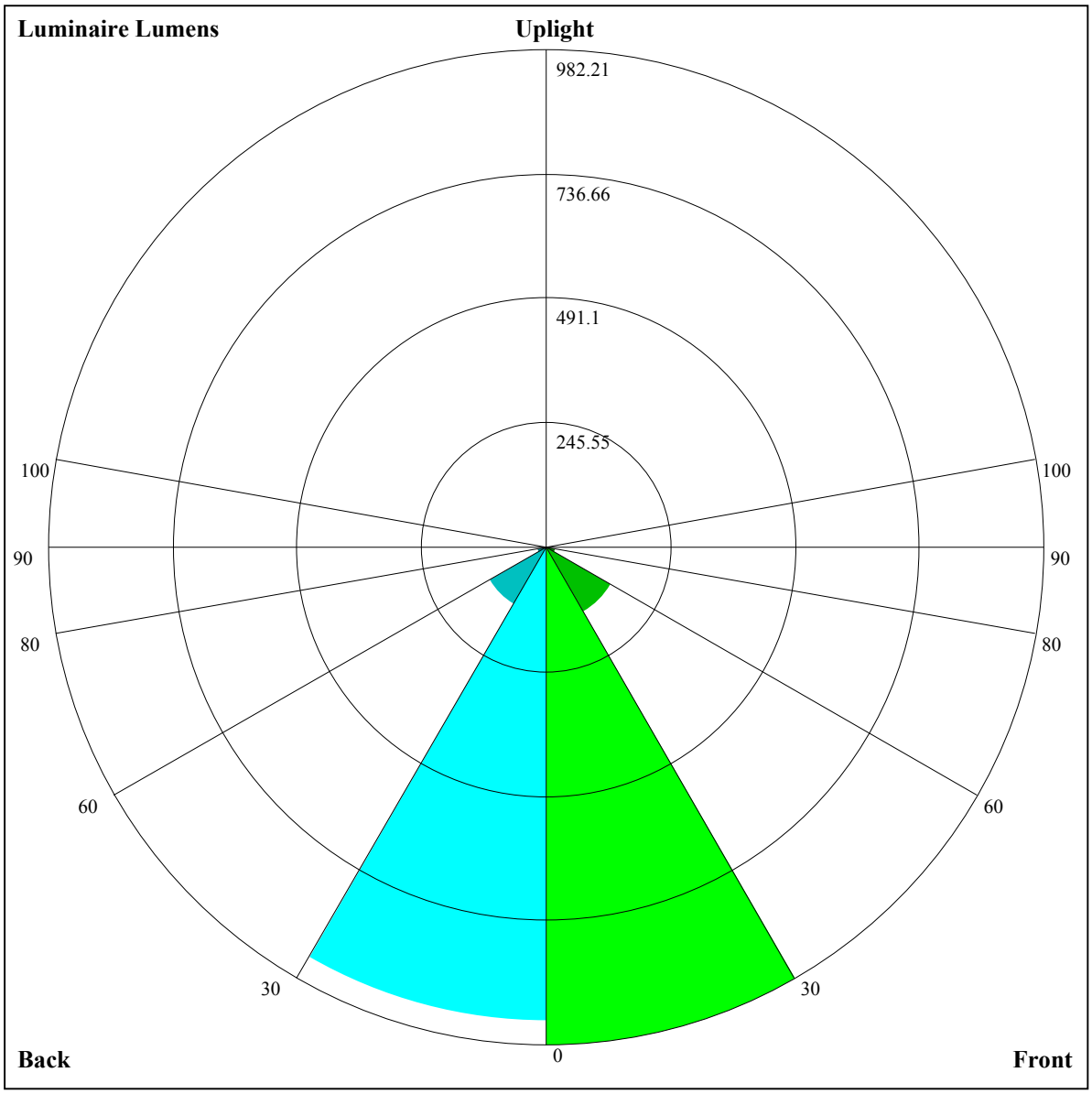
Utilization factor table for indoor luminaire

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	1.00	1.00	1.00	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.84
1	0.93	0.91	0.89	0.91	0.89	0.88	0.88	0.86	0.85	0.85	0.83	0.82	0.82	0.81	0.80	0.79
2	0.87	0.84	0.81	0.86	0.83	0.80	0.83	0.81	0.79	0.81	0.79	0.77	0.78	0.77	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	0.73	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.73	0.70	0.68	0.72	0.69	0.67	0.66
5	0.73	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63
6	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.60
7	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.57
8	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.61	0.58	0.55	0.54
9	0.61	0.56	0.53	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.52
10	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.53	0.51	0.56	0.53	0.51	0.56	0.53	0.50	0.50

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/11	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=982.21,FM=147.98,FH=18.92,FVH=6.58
BL=935.62,BM=129.58,BH=19.48,BVH=6.46
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	4208.41	4216.02	4213.09	4203.73	4181.49	4152.82	4112.43	4042.21	3969.64
45.0	4198.46	4203.73	4204.90	4201.39	4193.78	4170.37	4148.13	4096.63	4041.04
90.0	4199.63	4195.54	4186.76	4166.86	4141.70	4089.03	4038.11	3978.42	3904.68
135.0	4207.83	4200.22	4185.59	4168.62	4143.45	4098.97	4052.16	3969.64	3895.32
180.0	4208.41	4200.22	4189.10	4159.25	4113.02	4066.79	4008.85	3913.46	3834.45
225.0	4198.46	4188.51	4166.28	4116.53	4079.08	4016.46	3940.96	3838.55	3746.08
270.0	4199.63	4204.31	4203.73	4195.54	4175.64	4127.65	4077.32	4010.02	3914.04
315.0	4207.83	4210.17	4202.56	4189.68	4157.50	4115.95	4067.96	3976.66	3897.66
360.0	4208.41	4216.02	4213.09	4203.73	4181.49	4152.82	4112.43	4042.21	3969.64

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3902.34	3808.70	3685.22	3572.86	3448.79	3284.34	3151.50	3016.89	2816.16
45.0	3983.69	3911.70	3801.09	3707.46	3591.00	3473.95	3344.62	3172.56	3039.72
90.0	3809.29	3713.90	3606.80	3460.49	3332.33	3198.31	3030.35	2898.68	2771.10
135.0	3811.63	3719.16	3598.02	3487.41	3371.54	3242.79	3088.29	2953.69	2792.17
180.0	3719.75	3618.50	3513.16	3394.95	3268.54	3109.36	2978.27	2845.42	2712.58
225.0	3644.25	3506.73	3382.07	3251.57	3089.46	2963.64	2800.95	2673.37	2540.52
270.0	3828.60	3729.11	3623.19	3477.47	3350.47	3214.70	3074.25	2908.04	2778.71
315.0	3806.36	3705.12	3570.52	3445.86	3321.21	3182.51	3016.89	2886.39	2721.94
360.0	3902.34	3808.70	3685.22	3572.86	3448.79	3284.34	3151.50	3016.89	2816.16

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2720.77	2590.85	2448.64	2271.32	2123.25	1977.53	1799.04	1652.73	1470.14
45.0	2902.77	2744.76	2609.58	2480.83	2299.99	2157.20	1976.95	1834.15	1687.26
90.0	2610.75	2478.49	2340.96	2205.19	2028.45	1886.82	1746.96	1600.06	1153.95
135.0	2666.93	2535.25	2370.80	2239.71	2099.85	1962.90	1784.99	1642.20	1494.72
180.0	2558.08	2417.04	2270.73	2102.77	1952.95	1801.97	1622.89	1476.00	1335.54
225.0	2397.14	2215.72	2070.00	1930.72	1790.26	1610.01	1347.25	1165.24	1165.24
270.0	2649.96	2479.07	2331.01	2182.36	1995.09	1852.88	1708.92	1527.50	1388.80
315.0	2586.17	2440.45	2264.29	2115.65	1976.95	1799.04	1655.66	1510.52	1146.28
360.0	2720.77	2590.85	2448.64	2271.32	2123.25	1977.53	1799.04	1652.73	1470.14

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1134.99	1134.99	1025.02	853.84	726.62	609.92	475.26	382.44	305.31
45.0	1534.52	1346.08	1196.26	1049.95	910.08	753.83	640.88	534.37	437.81
90.0	1153.95	1118.01	939.46	807.38	661.42	553.04	453.26	366.06	277.81
135.0	1340.22	1152.37	1006.06	870.29	715.20	601.67	497.50	385.14	310.23
180.0	1142.42	1006.65	872.04	704.67	592.31	492.82	402.69	302.62	302.62
225.0	983.35	844.60	687.81	573.29	470.40	359.74	288.34	230.99	184.35
270.0	1233.71	1090.33	912.42	771.39	649.07	546.07	420.84	331.30	298.52
315.0	1146.28	1033.51	891.47	760.68	611.03	501.83	406.15	308.71	246.85
360.0	1134.99	1134.99	1025.02	853.84	726.62	609.92	475.26	382.44	305.31

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	243.45	183.64	146.19	117.69	97.03	79.12	68.71	59.81	54.78
45.0	334.22	299.11	299.11	155.96	124.59	96.56	80.76	70.05	60.98
90.0	222.21	177.38	141.68	107.86	89.25	75.79	66.13	58.29	53.67
135.0	310.23	182.36	144.32	114.94	89.01	75.08	65.49	58.82	52.79
180.0	228.94	151.11	113.48	92.93	74.79	65.43	58.82	52.67	49.22
225.0	139.34	112.01	91.94	77.78	65.84	59.22	54.31	49.80	47.05
270.0	298.52	159.18	130.27	101.71	85.62	71.81	63.09	57.64	53.14
315.0	187.15	150.17	121.84	100.19	80.88	70.58	62.44	56.59	51.32
360.0	243.45	183.64	146.19	117.69	97.03	79.12	68.71	59.81	54.78

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	50.80	46.94	44.42	42.08	40.03	37.63	35.93	34.29	32.77
45.0	56.01	51.91	48.69	45.41	43.01	40.79	38.86	36.58	35.00
90.0	49.22	46.29	43.77	40.97	38.92	37.04	34.94	33.42	31.95
135.0	49.28	46.47	43.95	41.20	39.15	36.87	35.17	33.65	31.89
180.0	46.17	43.19	40.97	39.03	37.28	35.64	33.65	32.19	30.78
225.0	44.65	41.96	40.03	38.27	36.23	34.65	33.18	31.78	30.14
270.0	49.16	46.58	44.36	42.25	39.91	37.98	36.34	34.35	32.83
315.0	48.16	45.59	42.72	40.67	38.74	36.58	34.88	33.36	31.49
360.0	50.80	46.94	44.42	42.08	40.03	37.63	35.93	34.29	32.77

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	31.02	29.67	28.50	26.92	25.81	24.81	23.53	22.41	21.36
45.0	33.18	31.78	30.43	28.85	27.68	26.51	25.40	23.94	22.77
90.0	30.61	28.97	27.80	26.63	25.52	24.17	23.06	22.00	20.72
135.0	30.55	29.26	28.03	26.51	25.40	24.35	23.35	22.06	21.01
180.0	29.20	27.97	26.86	25.81	24.58	23.29	22.24	21.24	20.25
225.0	28.85	27.74	26.69	25.40	24.40	23.41	22.12	21.13	19.84
270.0	31.37	29.67	28.38	27.21	25.87	24.87	23.76	22.71	21.36
315.0	30.14	28.91	27.62	26.28	25.16	24.05	22.94	21.65	20.66
360.0	31.02	29.67	28.50	26.92	25.81	24.81	23.53	22.41	21.36

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.13	19.14	18.14	17.38	16.74	16.33	15.98	15.63	15.33
45.0	21.71	20.72	19.55	18.55	17.79	17.09	16.74	16.33	15.92
90.0	19.78	18.55	17.79	17.21	16.80	16.33	16.04	15.74	15.57
135.0	20.07	18.90	18.08	17.38	16.91	16.56	16.21	15.92	15.68
180.0	19.02	18.20	17.62	17.21	16.85	16.68	16.44	16.27	16.09
225.0	19.02	18.38	17.85	17.50	17.15	17.03	17.50	19.14	21.24
270.0	20.37	19.31	18.49	17.85	17.56	18.02	19.66	21.19	22.94
315.0	19.72	18.49	17.73	17.03	16.62	16.33	16.04	15.68	15.45
360.0	20.13	19.14	18.14	17.38	16.74	16.33	15.98	15.63	15.33

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.10	14.86	14.63	14.46	14.28	14.16	13.99	13.87	13.75
45.0	15.63	15.33	15.16	15.39	16.50	18.26	19.02	19.08	18.73
90.0	16.39	18.20	19.90	21.54	21.36	21.07	20.31	19.25	17.15
135.0	15.45	15.27	15.10	15.04	14.98	14.92	14.81	14.75	14.63
180.0	15.98	15.74	15.57	15.45	15.39	15.27	14.98	14.63	14.46
225.0	23.64	26.63	27.56	27.86	24.76	21.01	17.85	14.69	13.99
270.0	24.17	25.52	26.92	27.92	27.15	25.98	23.94	20.01	16.62
315.0	15.22	15.04	14.98	14.86	14.81	14.69	14.63	14.51	14.28
360.0	15.10	14.86	14.63	14.46	14.28	14.16	13.99	13.87	13.75

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.64	13.34	13.11	12.58	12.17	10.94	10.36	10.07	9.89
45.0	16.68	13.99	13.34	12.99	12.41	11.82	10.89	10.24	10.01
90.0	13.81	13.11	12.70	12.11	11.35	10.53	10.18	10.07	9.71
135.0	14.51	14.22	13.75	13.28	12.64	10.53	10.24	10.01	9.66
180.0	14.28	13.99	13.69	13.46	10.89	10.24	10.07	9.66	9.71
225.0	13.69	13.58	13.17	12.82	10.59	10.18	9.77	9.66	9.66
270.0	13.81	13.17	12.76	12.17	11.70	10.77	10.36	10.01	9.66
315.0	14.05	13.58	13.05	12.35	11.82	10.59	10.18	9.95	9.60
360.0	13.64	13.34	13.11	12.58	12.17	10.94	10.36	10.07	9.89

Intensity data(cd)

C/γ(°)	90.0
0.0	9.71
45.0	9.77
90.0	9.71
135.0	9.66
180.0	9.60
225.0	9.71
270.0	9.77
315.0	9.66
360.0	9.71