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NT

Client:
LumCAT: 2-2561-L
Luminaire: 92.70.412.00
Report No: 2024813-B004
Ballast type: AC

Test No: 2024813-C004	Voltage(V): 35.080
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.702
Lamp flux(lm): 4107.0	Power (W): 24.626
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3827.32, Efficiency(%): 93.19% , Luminous Efficacy(lm/W): 155.42
Central intensity(cd): 15206.200, Maximum intensity(cd): 15206.200
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=21.6
[C90/270]Total=21.6
Field angle(10%Imax): [C0/180]Total=54.8
[C90/270]Total=54.8
Maximum s/h(1/2): C0_180=0.37 C90_270=0.37
Maximum s/h(1/4): C0_180=0.40 C90_270=0.40
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.19%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.832%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	15206.194	0.000	0	0.00%	0.00%
1.0	15135.235	14.518	14.518	0.35%	0.38%
2.0	14931.138	43.154	57.672	1.05%	1.51%
3.0	14590.244	70.605	128.277	1.72%	3.35%
4.0	13741.310	94.835	223.112	2.31%	5.83%
5.0	12855.294	114.417	337.529	2.79%	8.82%
6.0	12235.255	131.858	469.387	3.21%	12.26%
7.0	11347.396	146.377	615.764	3.56%	16.09%
8.0	10314.693	155.031	770.795	3.77%	20.14%
9.0	9309.350	159.042	929.838	3.87%	24.29%
10.0	8348.776	159.800	1089.637	3.89%	28.47%
11.0	7415.196	157.514	1247.152	3.84%	32.59%
12.0	6627.410	153.506	1400.657	3.74%	36.60%
13.0	5935.893	149.095	1549.752	3.63%	40.49%
14.0	5308.971	143.933	1693.685	3.50%	44.25%
15.0	4754.470	138.155	1831.841	3.36%	47.86%
16.0	4238.156	131.767	1963.608	3.21%	51.31%
17.0	3797.993	125.144	2088.752	3.05%	54.57%
18.0	3411.672	118.872	2207.624	2.89%	57.68%
19.0	3096.674	113.232	2320.856	2.76%	60.64%
20.0	2843.125	108.715	2429.571	2.65%	63.48%
21.0	2675.320	105.965	2535.536	2.58%	66.25%
22.0	2475.911	103.516	2639.052	2.52%	68.95%
23.0	2215.281	98.434	2737.486	2.40%	71.52%
24.0	2055.661	93.378	2830.864	2.27%	73.96%
25.0	1916.305	90.314	2921.178	2.20%	76.32%
26.0	1784.336	87.354	3008.532	2.13%	78.61%
27.0	1604.819	82.916	3091.449	2.02%	80.77%
28.0	1414.021	76.431	3167.879	1.86%	82.77%
29.0	1291.262	70.778	3238.657	1.72%	84.62%
30.0	1170.648	66.471	3305.128	1.62%	86.36%
31.0	1015.124	60.827	3365.955	1.48%	87.95%
32.0	874.055	54.123	3420.078	1.32%	89.36%
33.0	729.549	47.243	3467.321	1.15%	90.59%
34.0	595.664	40.105	3507.426	0.98%	91.64%
35.0	477.090	33.316	3540.741	0.81%	92.51%
36.0	371.837	27.030	3567.771	0.66%	93.22%
37.0	282.495	21.341	3589.112	0.52%	93.78%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	235.816	17.301	3606.413	0.42%	94.23%
39.0	198.691	14.831	3621.244	0.36%	94.62%
40.0	126.730	11.350	3632.593	0.28%	94.91%
41.0	111.515	8.484	3641.077	0.21%	95.13%
42.0	100.915	7.718	3648.795	0.19%	95.34%
43.0	92.392	7.161	3655.955	0.17%	95.52%
44.0	83.885	6.653	3662.609	0.16%	95.70%
45.0	77.945	6.219	3668.828	0.15%	95.86%
46.0	73.000	5.903	3674.731	0.14%	96.01%
47.0	68.793	5.639	3680.371	0.14%	96.16%
48.0	65.538	5.430	3685.801	0.13%	96.30%
49.0	62.765	5.269	3691.07	0.13%	96.44%
50.0	60.103	5.123	3696.193	0.12%	96.57%
51.0	58.054	4.999	3701.192	0.12%	96.70%
52.0	56.240	4.904	3706.096	0.12%	96.83%
53.0	54.814	4.831	3710.927	0.12%	96.96%
54.0	53.541	4.776	3715.703	0.12%	97.08%
55.0	52.780	4.746	3720.449	0.12%	97.21%
56.0	52.297	4.748	3725.197	0.12%	97.33%
57.0	51.858	4.762	3729.959	0.12%	97.46%
58.0	51.551	4.782	3734.741	0.12%	97.58%
59.0	51.068	4.798	3739.539	0.12%	97.71%
60.0	50.190	4.784	3744.322	0.12%	97.83%
61.0	48.566	4.713	3749.035	0.11%	97.95%
62.0	46.021	4.558	3753.593	0.11%	98.07%
63.0	42.678	4.314	3757.907	0.11%	98.19%
64.0	39.181	4.017	3761.924	0.10%	98.29%
65.0	36.174	3.729	3765.653	0.09%	98.39%
66.0	33.621	3.482	3769.135	0.08%	98.48%
67.0	31.748	3.287	3772.422	0.08%	98.57%
68.0	30.293	3.143	3775.565	0.08%	98.65%
69.0	29.159	3.033	3778.598	0.07%	98.73%
70.0	28.171	2.944	3781.542	0.07%	98.80%
71.0	27.315	2.868	3784.41	0.07%	98.88%
72.0	26.474	2.797	3787.207	0.07%	98.95%
73.0	25.662	2.726	3789.933	0.07%	99.02%
74.0	24.835	2.655	3792.588	0.06%	99.09%
75.0	24.097	2.585	3795.174	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	23.402	2.521	3797.695	0.06%	99.23%
77.0	22.677	2.457	3800.152	0.06%	99.29%
78.0	22.063	2.395	3802.547	0.06%	99.35%
79.0	21.536	2.343	3804.889	0.06%	99.41%
80.0	21.002	2.293	3807.183	0.06%	99.47%
81.0	20.446	2.241	3809.424	0.05%	99.53%
82.0	19.854	2.185	3811.609	0.05%	99.59%
83.0	19.327	2.130	3813.739	0.05%	99.65%
84.0	18.830	2.079	3815.818	0.05%	99.70%
85.0	18.391	2.031	3817.849	0.05%	99.75%
86.0	17.915	1.985	3819.834	0.05%	99.80%
87.0	17.454	1.936	3821.77	0.05%	99.86%
88.0	17.008	1.888	3823.658	0.05%	99.90%
89.0	16.642	1.844	3825.502	0.04%	99.95%
90.0	16.430	1.813	3827.315	0.04%	100.00%

Zonal flux distribution table

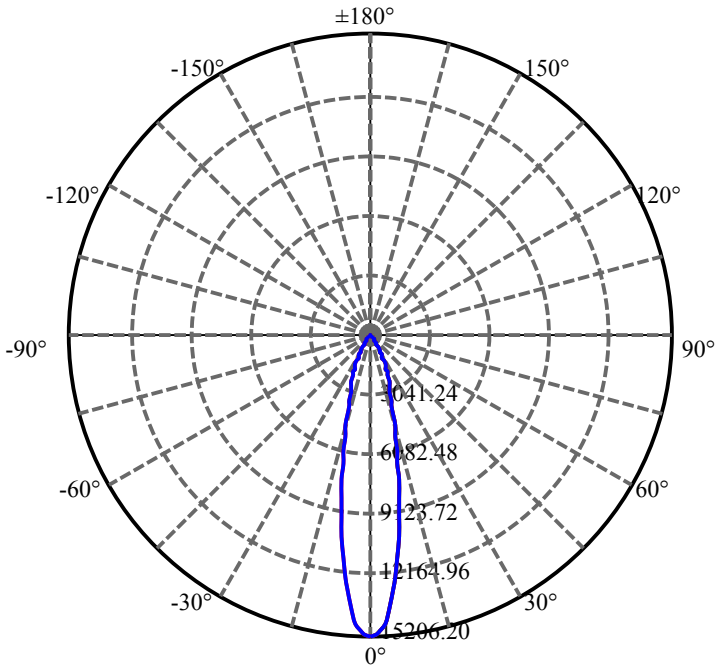
ZONAL LUMEN SUMMARY

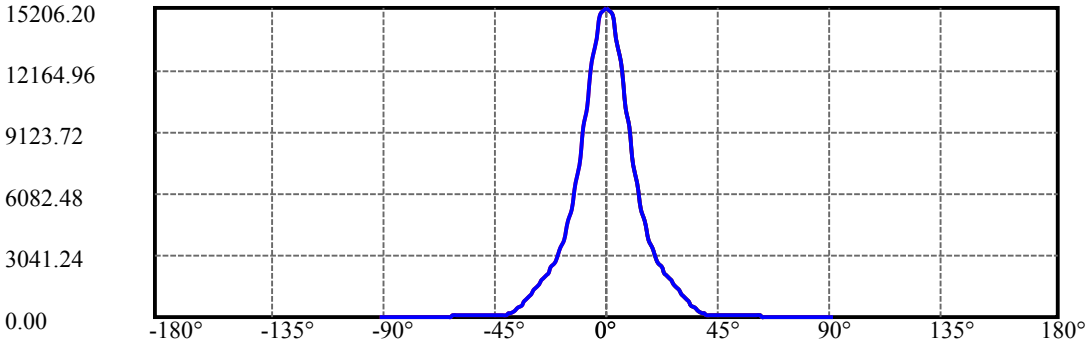
Zone	Lumens	%Lamp	%Fixt
0-30	3305.13	80.48%	86.36%
0-40	3632.59	88.45%	94.91%
0-60	3744.32	91.17%	97.83%
0-90	3825.50	93.15%	99.95%
0-120	3825.50	93.15%	99.95%
0-180	3827.32	93.19%	100.00%
60-90	81.18	1.98%	2.12%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.64	3061.85	74.55%	80.00%

ZONAL LUMEN SUMMARY

0-10	1089.64
10-20	1339.93
20-30	875.56
30-40	327.46
40-50	63.60
50-60	48.13
60-70	37.22
70-80	25.64
80-90	18.32
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:

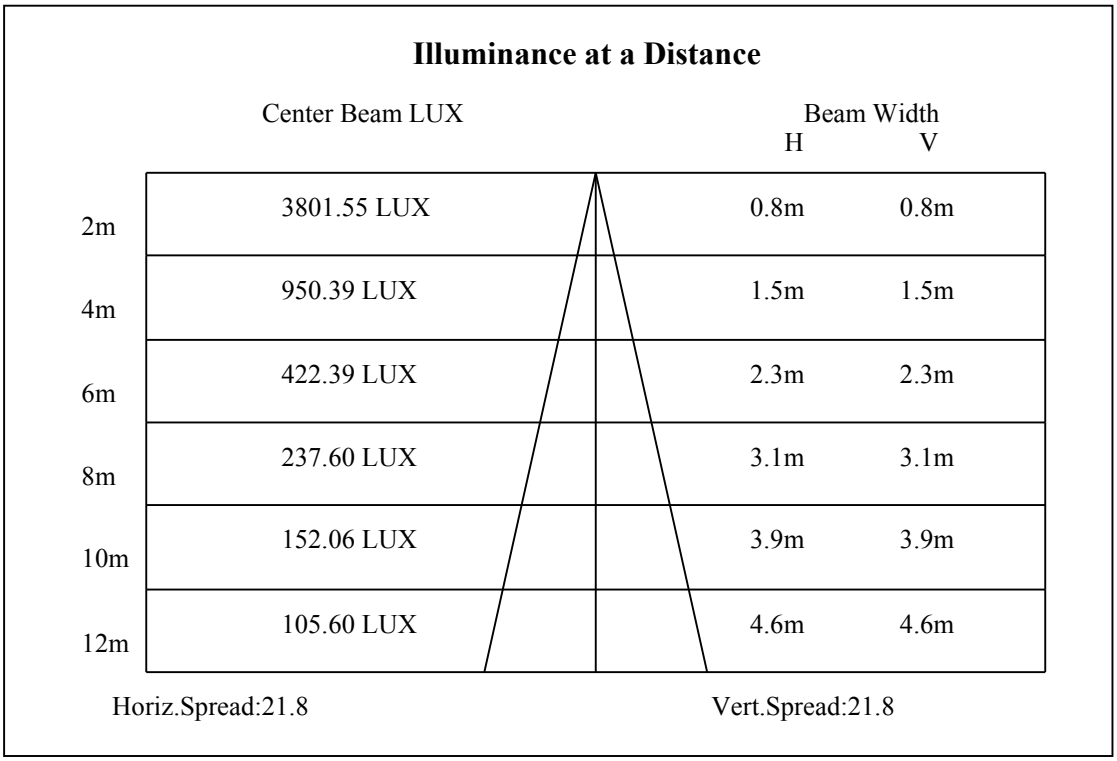
C90/C270:

Field angle(10%Imax):C0/180Left:27.4 Right:27.4
:C90/270Left:27.4 Right:27.4

Beam Angle(50%Imax):C0/180Left:10.8 Right:10.8
:C90/270Left:10.8 Right:10.8

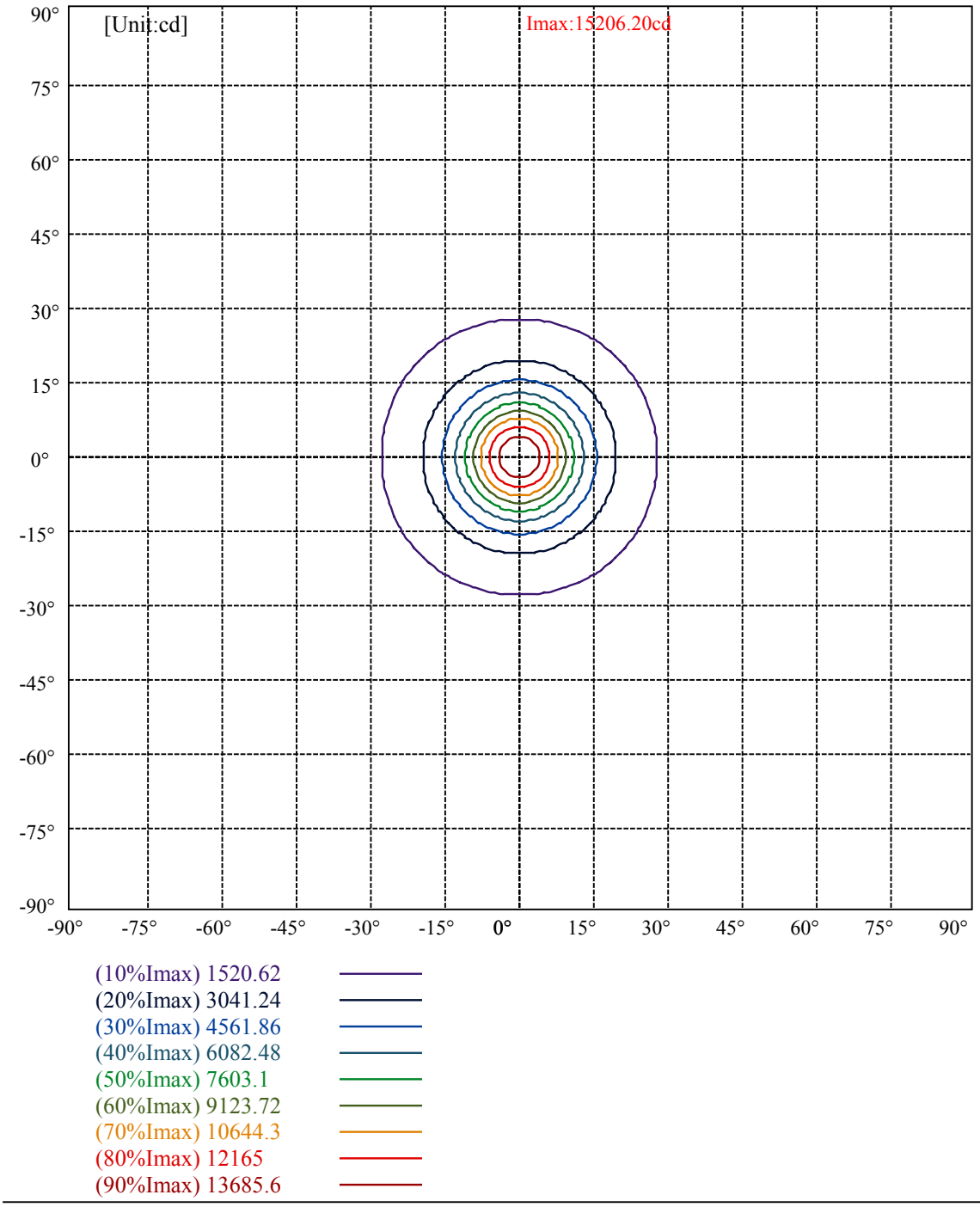
Equipment: GMS1980	Date: 2024/8/13	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Lux distance Curve



Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

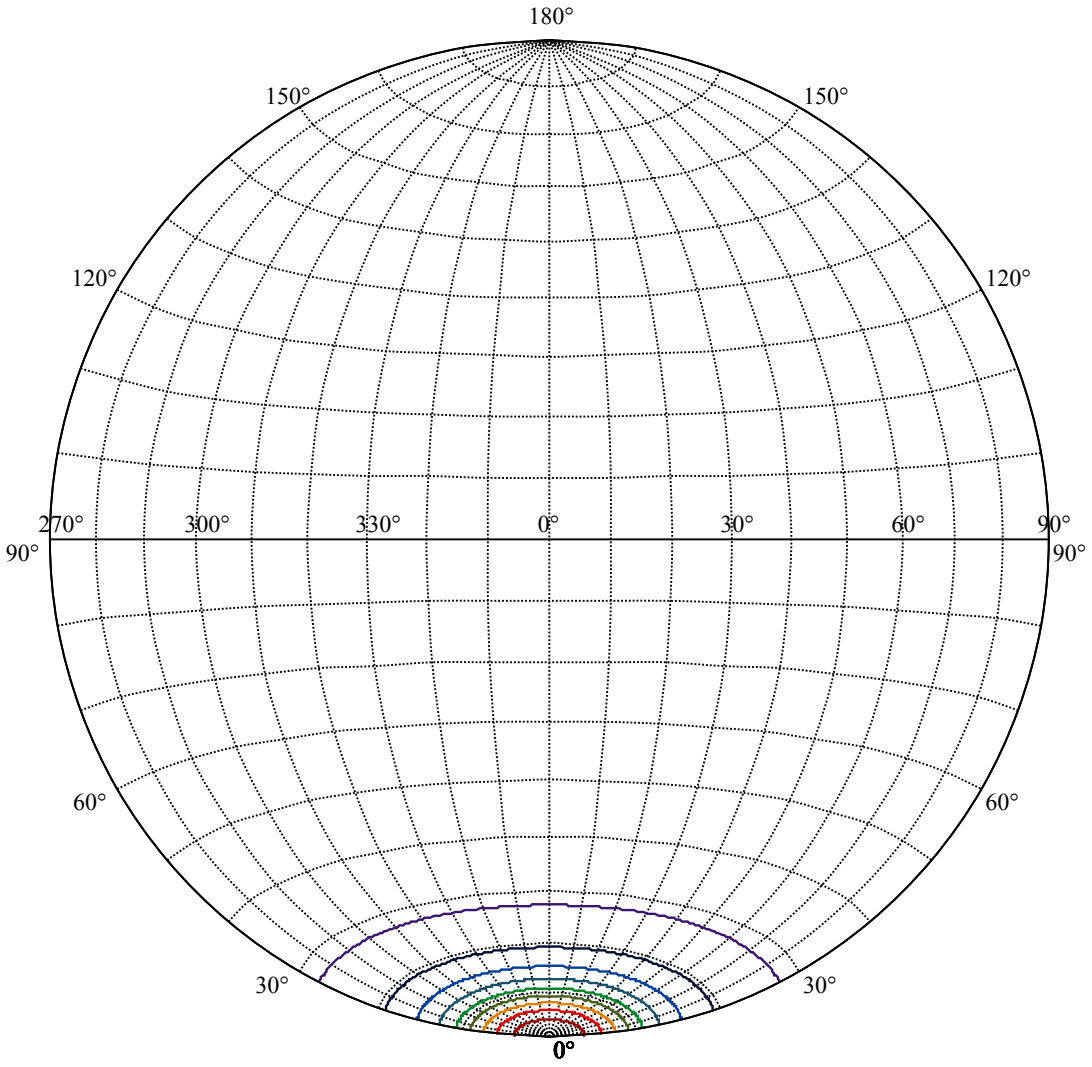


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/13
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



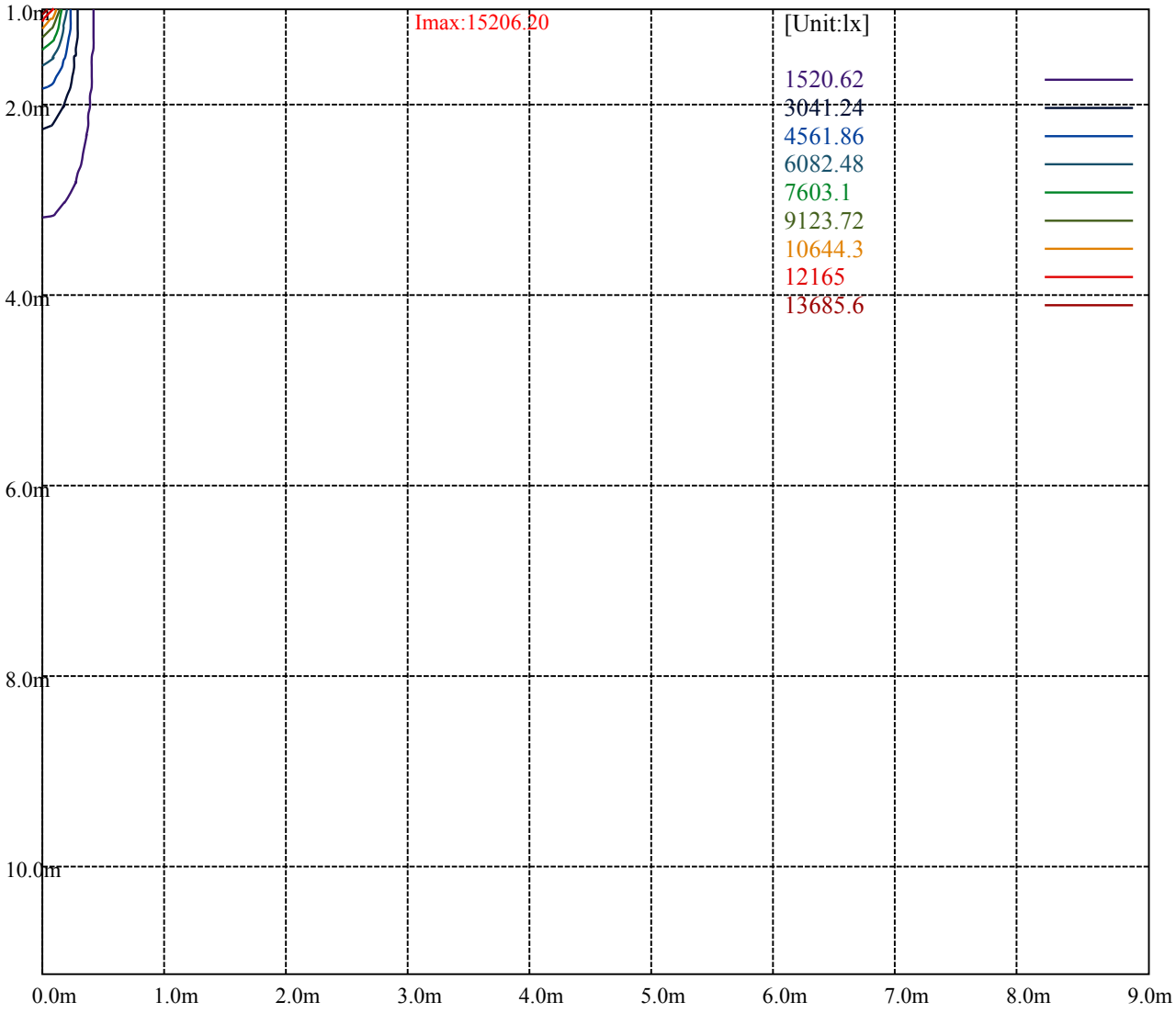
House [Unit:cd] Road

Imax:15206.20

(10%Imax) 1520.62
(20%Imax) 3041.24
(30%Imax) 4561.86
(40%Imax) 6082.48
(50%Imax) 7603.1
(60%Imax) 9123.72
(70%Imax) 10644.3
(80%Imax) 12165
(90%Imax) 13685.6

Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/13
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2561-L

Luminance Limitting Curve(no luminous side)

Luminance Table

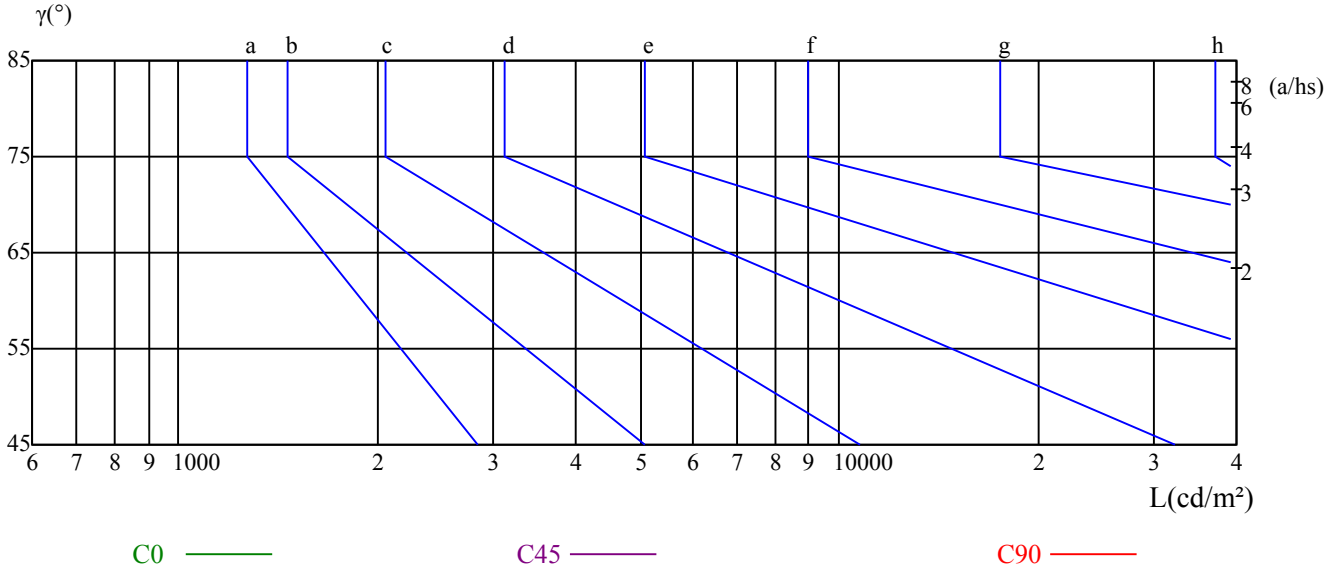
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

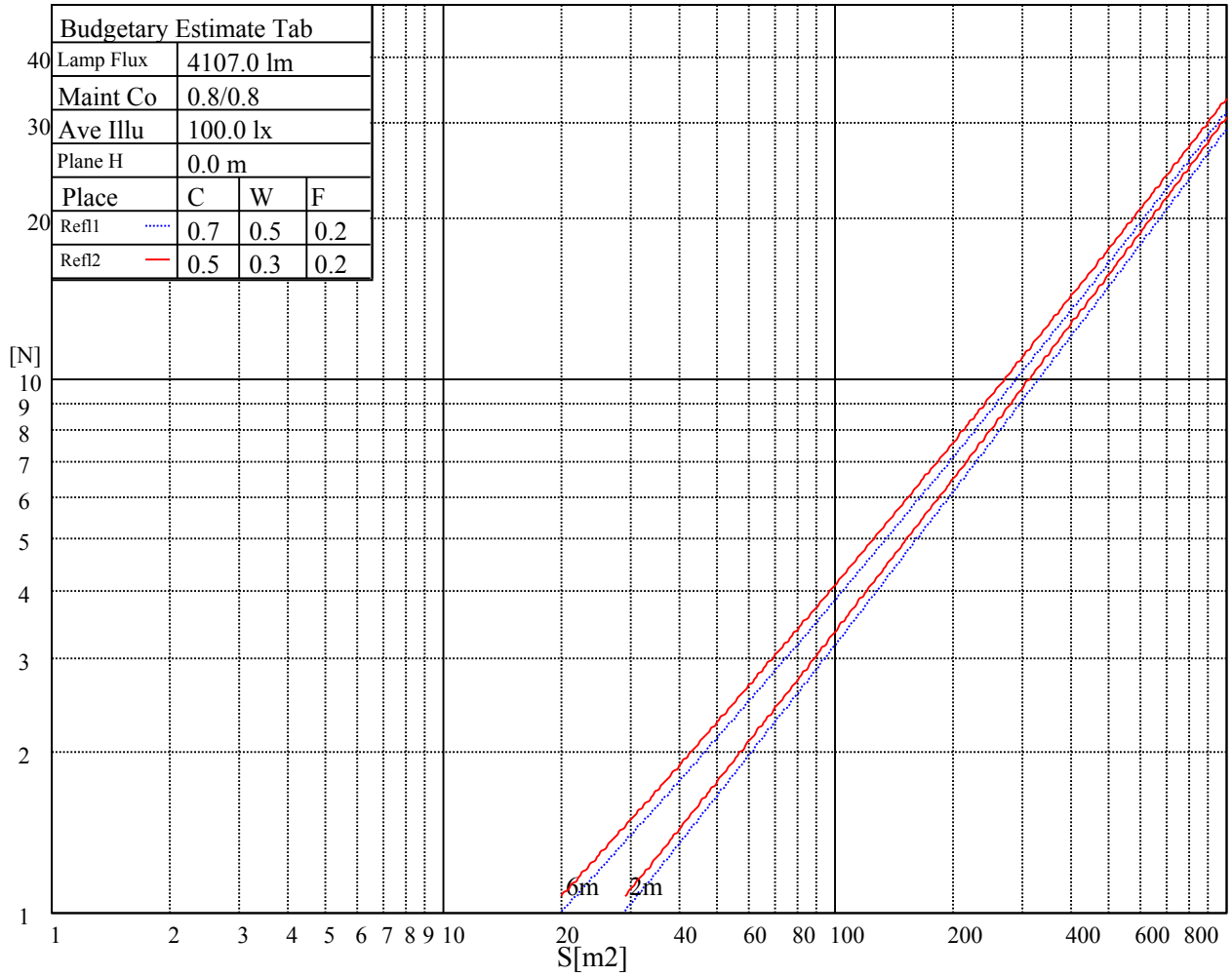
Luminance Limitting Curve



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

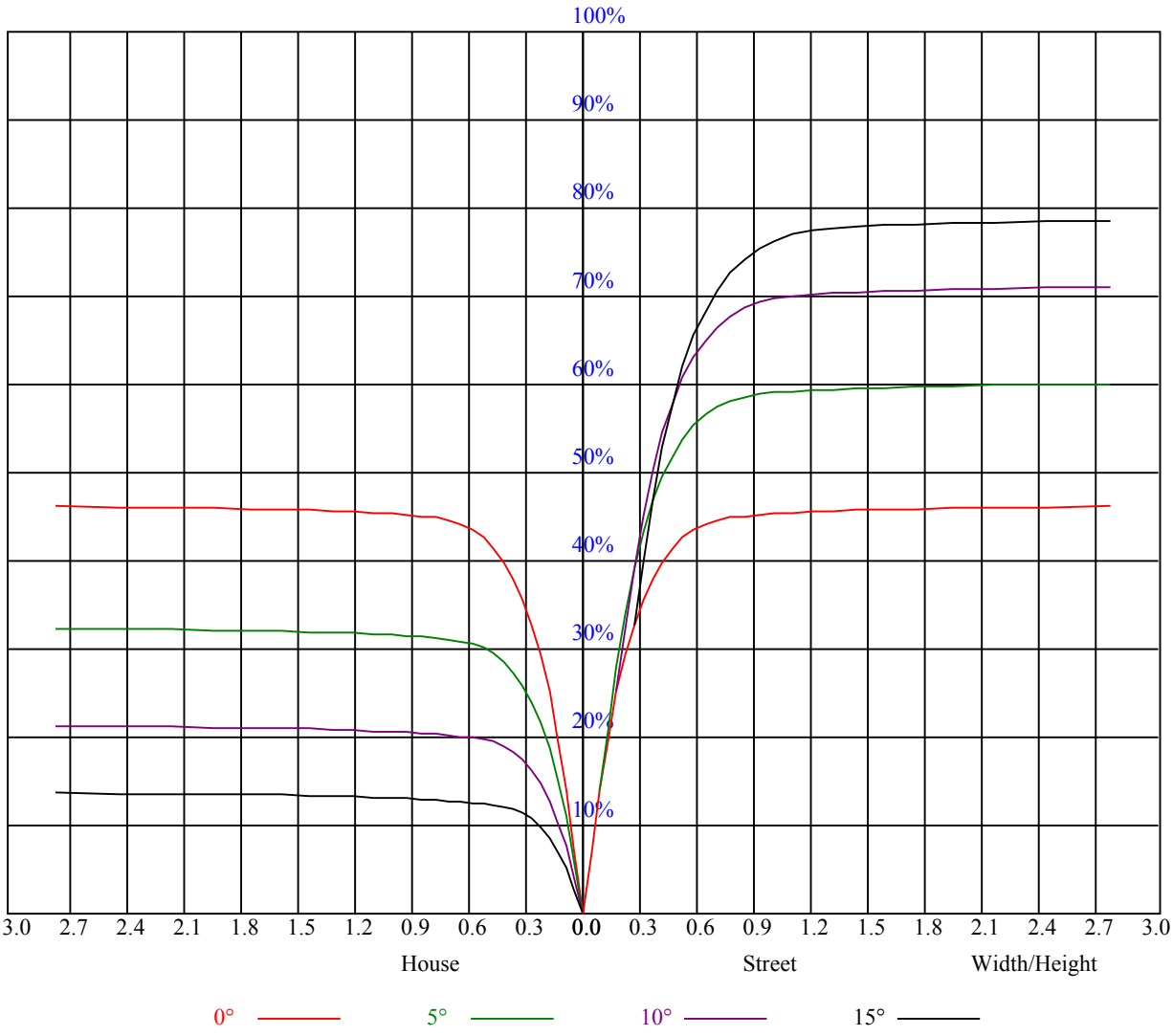


Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

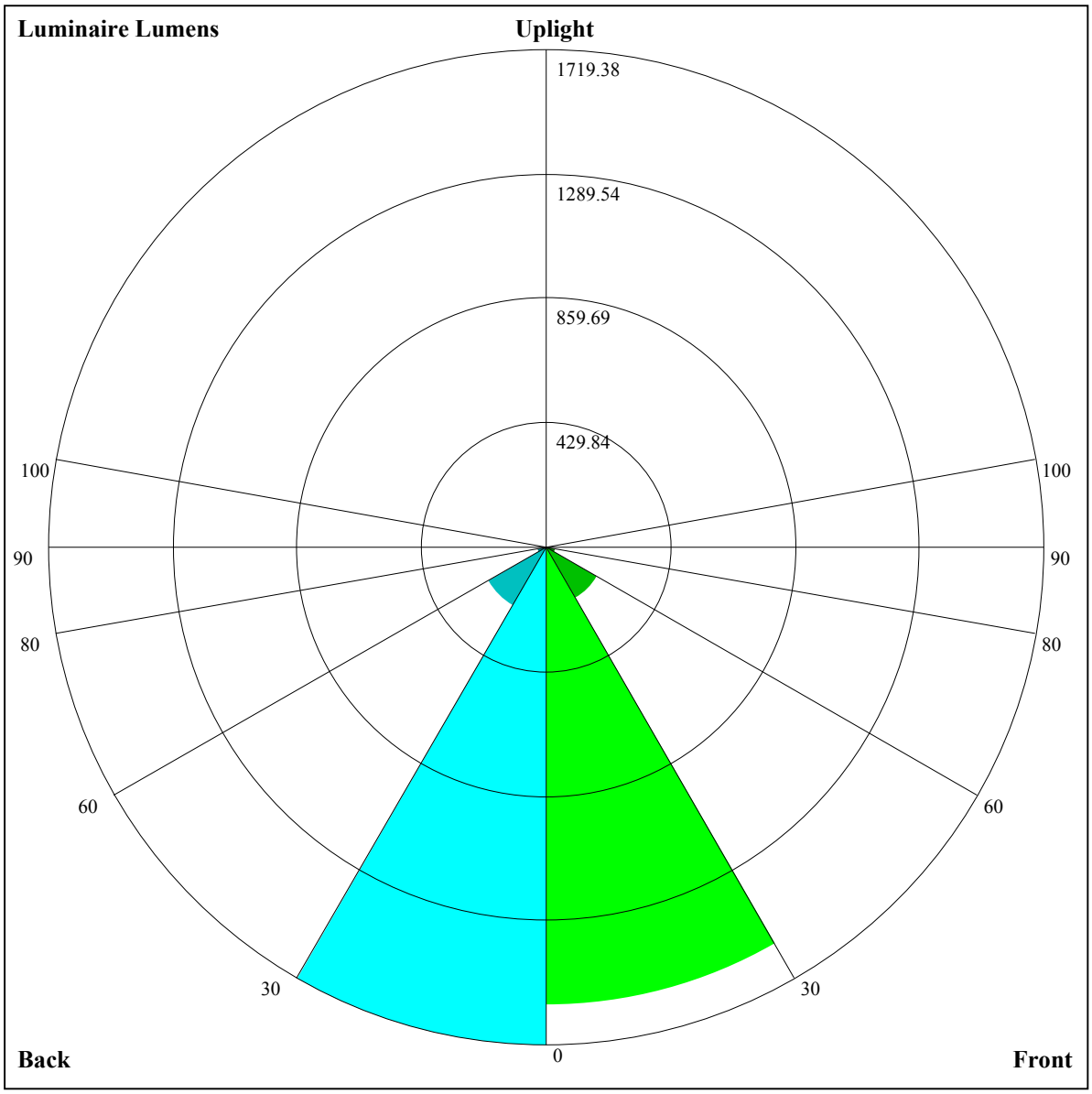
Utilization factor table for indoor luminaire

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	1.11	1.11	1.11	1.08	1.08	1.08	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.88
2	0.98	0.95	0.92	0.97	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.88	0.87	0.85	0.84
3	0.93	0.89	0.86	0.92	0.88	0.85	0.89	0.86	0.84	0.87	0.85	0.83	0.85	0.83	0.81	0.80
4	0.88	0.84	0.81	0.87	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.79	0.82	0.80	0.78	0.76
5	0.84	0.80	0.77	0.84	0.79	0.76	0.82	0.78	0.76	0.81	0.77	0.75	0.79	0.77	0.74	0.73
6	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.70
7	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.69	0.68
8	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.72	0.68	0.66	0.65
9	0.72	0.67	0.65	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.63
10	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.61

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/8/13	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1579.67,FM=203.58,FH=30.38,FVH=9.97
BL=1719.38,BM=235.58,BH=32.05,BVH=10.13
UL=0,UH=0

BUG Rating:B3-U0-G1

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	15160.84	14932.60	14599.02	14078.17	11547.13	11547.13	11322.99	10118.01	9138.35
45.0	15242.77	15154.99	14944.31	14599.02	13949.42	13194.48	12310.79	11368.58	10139.61
90.0	15190.10	14932.60	14575.61	14072.32	12866.76	11661.25	11437.11	10522.40	9555.61
135.0	15231.07	15242.77	15114.02	14891.64	14341.52	13732.89	12960.39	11918.69	11017.45
180.0	15160.84	15242.77	15154.99	14909.19	14563.91	14031.35	13334.94	12287.38	11356.88
225.0	15242.77	15201.80	15055.50	14739.48	14247.89	12831.64	11561.76	11561.76	10342.15
270.0	15190.10	15254.47	15225.21	15096.46	14733.62	14242.04	13352.49	12427.84	11415.40
315.0	15231.07	15119.87	14780.44	14335.67	13680.22	11601.56	11601.56	10574.49	9552.10
360.0	15160.84	14932.60	14599.02	14078.17	11547.13	11547.13	11322.99	10118.01	9138.35

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8241.20	7407.25	6498.98	5854.65	5278.79	4760.28	4176.22	3753.11	3398.46
45.0	9232.51	8108.88	7324.68	6622.41	5826.50	5264.68	4732.13	4246.39	3702.13
90.0	8438.42	7578.72	6805.64	5965.84	5376.52	4709.95	4248.79	3832.70	3466.93
135.0	10092.79	9197.40	8085.47	7236.89	6511.21	5885.02	5147.64	4638.49	4187.87
180.0	10414.66	9472.45	8354.67	7494.39	6751.16	5961.10	5416.84	4784.80	4334.18
225.0	9391.16	8481.14	7433.00	6737.17	5937.75	5367.16	4835.77	4359.98	3840.89
270.0	10098.64	9103.76	8138.14	7078.88	6376.61	5762.13	5194.46	4533.15	4070.83
315.0	8565.41	7440.61	6680.99	6029.05	5428.61	4761.45	4283.91	3756.62	3382.66
360.0	8241.20	7407.25	6498.98	5854.65	5278.79	4760.28	4176.22	3753.11	3398.46

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3025.09	2788.66	2573.29	2356.76	2196.99	2027.28	1900.28	1761.59	1615.28
45.0	3339.29	3034.98	2964.75	2703.80	2349.74	2191.73	2031.37	1907.89	1789.09
90.0	3092.39	2838.98	2635.33	2449.81	2283.61	2100.43	1969.93	1813.67	1679.65
135.0	3702.13	3362.70	3023.27	2958.90	2958.90	2415.28	2214.55	2084.63	1964.07
180.0	3930.37	3555.83	3157.87	2953.05	2953.05	2483.75	2253.17	2113.31	1978.70
225.0	3478.64	3156.18	2874.10	2641.76	2393.04	2216.31	2065.32	1908.48	1786.17
270.0	3661.17	3298.33	2982.31	2982.31	2464.44	2257.27	2105.11	1969.34	1824.20
315.0	3064.30	2737.74	2534.08	2356.17	2207.53	2030.20	1905.55	1771.53	1637.52
360.0	3025.09	2788.66	2573.29	2356.76	2196.99	2027.28	1900.28	1761.59	1615.28

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1318.57	1142.42	1142.42	1004.54	835.29	704.26	579.43	468.94	343.06
45.0	1618.79	1470.73	1298.67	1166.41	1025.37	892.53	757.34	598.74	484.62
90.0	1538.03	1140.25	1140.25	1068.80	892.35	761.44	633.92	487.14	385.84
135.0	1840.59	1666.78	1512.87	1365.39	1214.99	1035.32	895.45	763.19	604.60
180.0	1856.98	1687.85	1549.15	1357.78	1207.96	1065.17	887.84	755.00	632.69
225.0	1619.38	1474.24	1142.36	1142.36	999.80	861.80	730.07	578.44	469.99
270.0	1705.40	1571.97	1386.46	1244.83	1102.04	961.58	792.45	664.87	543.15
315.0	1340.81	1157.93	1157.93	1015.07	843.19	710.35	559.88	448.98	352.77
360.0	1318.57	1142.42	1142.42	1004.54	835.29	704.26	579.43	468.94	343.06

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	255.68	186.75	136.36	121.61	107.04	97.79	90.12	83.51	76.55
45.0	378.70	309.64	309.64	149.70	128.81	113.18	102.53	94.75	86.03
90.0	295.13	220.22	163.86	127.17	114.82	103.88	94.63	84.97	78.54
135.0	489.31	358.80	314.32	314.32	136.42	119.62	108.09	98.49	88.60
180.0	496.91	393.33	306.13	306.13	160.70	133.78	121.38	111.19	99.43
225.0	373.26	288.63	216.88	153.09	127.75	111.43	100.60	92.06	82.98
270.0	435.47	316.67	295.60	295.60	131.68	116.28	101.83	93.23	85.33
315.0	250.24	185.93	143.73	121.90	106.63	96.15	88.13	80.94	73.62
360.0	255.68	186.75	136.36	121.61	107.04	97.79	90.12	83.51	76.55

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	72.28	68.65	65.60	62.21	59.99	58.05	56.18	54.95	54.07
45.0	80.47	74.91	71.16	67.89	65.08	61.68	59.40	57.59	56.01
90.0	72.04	68.06	64.78	61.62	59.28	57.35	55.71	54.19	52.90
135.0	81.70	76.49	72.04	68.53	64.61	62.15	59.93	57.64	56.12
180.0	92.41	86.50	80.41	76.72	73.56	70.05	67.59	65.08	62.50
225.0	77.31	72.33	67.65	64.61	62.03	59.81	57.70	56.06	54.84
270.0	78.30	71.63	67.13	63.61	60.69	57.41	55.30	53.49	51.97
315.0	69.06	65.43	61.57	59.11	56.88	54.31	52.61	50.91	50.10
360.0	72.28	68.65	65.60	62.21	59.99	58.05	56.18	54.95	54.07

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	53.26	53.14	53.14	52.90	52.44	51.38	49.57	46.88	43.13
45.0	54.31	53.37	52.61	52.14	51.79	51.32	50.04	48.40	45.94
90.0	51.97	51.44	51.09	50.68	50.33	49.45	48.05	46.12	42.19
135.0	54.54	53.55	52.90	52.32	52.03	51.73	51.68	51.09	49.45
180.0	60.57	59.17	58.11	57.00	56.30	55.71	55.42	54.43	52.73
225.0	53.78	52.90	52.79	52.73	52.61	52.67	51.68	49.74	46.94
270.0	50.50	49.69	48.92	48.40	48.11	47.81	47.40	46.82	45.35
315.0	49.39	48.98	48.81	48.69	48.81	48.46	47.70	45.06	42.43
360.0	53.26	53.14	53.14	52.90	52.44	51.38	49.57	46.88	43.13

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	39.85	36.11	34.06	32.48	31.37	30.08	29.20	28.15	27.33
45.0	41.67	38.51	35.46	33.18	31.19	29.96	28.97	28.09	27.10
90.0	38.98	34.82	32.54	30.72	29.38	28.21	27.33	26.57	25.81
135.0	47.17	44.13	39.80	36.34	34.06	31.66	30.26	29.03	28.21
180.0	50.21	45.82	42.31	38.10	35.82	33.88	32.42	30.96	29.96
225.0	42.49	39.27	35.93	33.88	31.66	30.49	29.38	28.44	27.51
270.0	42.72	39.80	36.75	33.94	31.43	29.90	28.56	27.68	26.86
315.0	38.33	35.00	32.54	30.31	29.09	28.15	27.15	26.45	25.75
360.0	39.85	36.11	34.06	32.48	31.37	30.08	29.20	28.15	27.33

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	26.63	25.63	24.93	24.17	23.58	22.88	22.36	21.83	21.36
45.0	26.34	25.57	24.70	24.05	23.35	22.59	22.00	21.36	20.83
90.0	24.99	24.35	23.76	23.06	22.47	21.89	21.30	20.78	20.31
135.0	27.33	26.45	25.40	24.64	23.88	23.06	22.24	21.77	21.24
180.0	28.91	28.03	27.04	26.10	25.28	24.23	23.47	22.94	22.30
225.0	26.45	25.69	24.64	23.88	23.17	22.41	21.89	21.42	20.83
270.0	26.04	25.34	24.76	23.99	23.23	22.71	22.12	21.54	21.07
315.0	25.11	24.23	23.47	22.88	22.24	21.65	21.13	20.66	20.07
360.0	26.63	25.63	24.93	24.17	23.58	22.88	22.36	21.83	21.36

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	20.60	20.01	19.55	19.20	18.90	18.38	17.85	17.21	16.56
45.0	20.31	19.66	19.14	18.67	18.20	17.79	17.32	16.85	16.44
90.0	19.66	19.20	18.73	18.20	17.85	17.38	16.97	16.56	16.39
135.0	20.78	20.07	19.43	18.96	18.43	17.97	17.56	17.09	16.74
180.0	21.77	21.13	20.60	19.96	19.49	18.90	18.26	17.85	17.50
225.0	20.31	19.78	19.25	18.73	18.26	17.73	17.32	16.97	16.62
270.0	20.54	19.96	19.37	18.79	18.32	17.85	17.44	16.91	16.56
315.0	19.61	19.02	18.55	18.14	17.67	17.32	16.91	16.62	16.33
360.0	20.60	20.01	19.55	19.20	18.90	18.38	17.85	17.21	16.56

Intensity data(cd)

C/γ(°)	90.0
0.0	16.56
45.0	16.33
90.0	16.33
135.0	16.39
180.0	16.97
225.0	16.33
270.0	16.27
315.0	16.27
360.0	16.56