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NT

Client:
LumCAT: 2-2748-L
Luminaire: 92.70.412.00
Report No: 2024813-B013
Ballast type: AC

Test No: 2024813-C013	Voltage(V): 35.060
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.702
Lamp flux(lm): 4107.0	Power (W): 24.612
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3855.04, Efficiency(%): 93.87% , Luminous Efficacy(lm/W): 156.63
Central intensity(cd): 17535.390, Maximum intensity(cd): 17535.390
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=19.2
[C90/270]Total=19.2
Field angle(10%Imax): [C0/180]Total=51.6
[C90/270]Total=51.6
Maximum s/h(1/2): C0_180=0.33 C90_270=0.33
Maximum s/h(1/4): C0_180=0.37 C90_270=0.37
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.87%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.906%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	17535.389	0.000	0	0.00%	0.00%
1.0	17379.572	16.706	16.706	0.41%	0.43%
2.0	16994.057	49.336	66.042	1.20%	1.71%
3.0	16367.134	79.789	145.831	1.94%	3.78%
4.0	15460.767	106.538	252.37	2.59%	6.55%
5.0	13662.026	125.285	377.654	3.05%	9.80%
6.0	12802.558	139.078	516.733	3.39%	13.40%
7.0	11955.810	153.675	670.408	3.74%	17.39%
8.0	10650.685	161.790	832.198	3.94%	21.59%
9.0	9517.251	163.450	995.648	3.98%	25.83%
10.0	8299.837	161.238	1156.886	3.93%	30.01%
11.0	7373.937	156.613	1313.499	3.81%	34.07%
12.0	6481.396	151.459	1464.958	3.69%	38.00%
13.0	5769.397	145.386	1610.344	3.54%	41.77%
14.0	5153.521	139.812	1750.157	3.40%	45.40%
15.0	4626.672	134.267	1884.423	3.27%	48.88%
16.0	4159.735	128.745	2013.169	3.13%	52.22%
17.0	3749.858	123.174	2136.342	3.00%	55.42%
18.0	3422.937	118.264	2254.606	2.88%	58.48%
19.0	3137.933	114.146	2368.752	2.78%	61.45%
20.0	2877.361	110.097	2478.849	2.68%	64.30%
21.0	2734.127	107.752	2586.601	2.62%	67.10%
22.0	2516.511	105.514	2692.114	2.57%	69.83%
23.0	2238.252	99.768	2791.882	2.43%	72.42%
24.0	2050.029	93.757	2885.639	2.28%	74.85%
25.0	1881.630	89.397	2975.037	2.18%	77.17%
26.0	1719.450	85.004	3060.041	2.07%	79.38%
27.0	1513.275	79.089	3139.13	1.93%	81.43%
28.0	1327.561	71.924	3211.054	1.75%	83.29%
29.0	1230.011	66.913	3277.967	1.63%	85.03%
30.0	1081.437	62.409	3340.376	1.52%	86.65%
31.0	917.465	55.627	3396.002	1.35%	88.09%
32.0	778.759	48.595	3444.597	1.18%	89.35%
33.0	646.205	41.980	3486.577	1.02%	90.44%
34.0	537.068	35.809	3522.386	0.87%	91.37%
35.0	450.118	30.658	3553.045	0.75%	92.17%
36.0	379.518	26.416	3579.461	0.64%	92.85%
37.0	318.150	22.754	3602.215	0.55%	93.44%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	271.925	19.696	3621.911	0.48%	93.95%
39.0	247.989	17.746	3639.657	0.43%	94.41%
40.0	198.786	15.582	3655.239	0.38%	94.82%
41.0	154.499	12.580	3667.819	0.31%	95.14%
42.0	130.747	10.363	3678.182	0.25%	95.41%
43.0	111.332	8.967	3687.15	0.22%	95.64%
44.0	96.109	7.829	3694.979	0.19%	95.85%
45.0	84.163	6.928	3701.907	0.17%	96.03%
46.0	75.289	6.236	3708.143	0.15%	96.19%
47.0	68.544	5.721	3713.864	0.14%	96.34%
48.0	63.387	5.333	3719.197	0.13%	96.48%
49.0	59.408	5.043	3724.24	0.12%	96.61%
50.0	55.830	4.805	3729.044	0.12%	96.73%
51.0	53.153	4.611	3733.655	0.11%	96.85%
52.0	51.405	4.487	3738.142	0.11%	96.97%
53.0	50.146	4.417	3742.559	0.11%	97.08%
54.0	49.371	4.386	3746.946	0.11%	97.20%
55.0	49.320	4.405	3751.351	0.11%	97.31%
56.0	49.569	4.468	3755.819	0.11%	97.43%
57.0	49.678	4.538	3760.357	0.11%	97.54%
58.0	49.854	4.603	3764.96	0.11%	97.66%
59.0	49.905	4.664	3769.624	0.11%	97.78%
60.0	49.217	4.683	3774.307	0.11%	97.91%
61.0	47.828	4.631	3778.938	0.11%	98.03%
62.0	45.757	4.509	3783.447	0.11%	98.14%
63.0	42.729	4.304	3787.751	0.10%	98.25%
64.0	39.327	4.026	3791.777	0.10%	98.36%
65.0	35.969	3.726	3795.504	0.09%	98.46%
66.0	32.977	3.440	3798.944	0.08%	98.54%
67.0	30.534	3.194	3802.137	0.08%	98.63%
68.0	28.764	3.004	3805.141	0.07%	98.71%
69.0	27.447	2.868	3808.009	0.07%	98.78%
70.0	26.313	2.761	3810.77	0.07%	98.85%
71.0	25.450	2.675	3813.445	0.07%	98.92%
72.0	24.726	2.609	3816.054	0.06%	98.99%
73.0	24.089	2.553	3818.607	0.06%	99.05%
74.0	23.555	2.505	3821.112	0.06%	99.12%
75.0	23.072	2.464	3823.575	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.612	2.425	3826	0.06%	99.25%
77.0	22.143	2.386	3828.386	0.06%	99.31%
78.0	21.639	2.344	3830.73	0.06%	99.37%
79.0	21.097	2.296	3833.026	0.06%	99.43%
80.0	20.519	2.244	3835.27	0.05%	99.49%
81.0	19.942	2.188	3837.458	0.05%	99.54%
82.0	19.386	2.133	3839.591	0.05%	99.60%
83.0	18.866	2.079	3841.67	0.05%	99.65%
84.0	18.398	2.030	3843.7	0.05%	99.71%
85.0	17.944	1.983	3845.684	0.05%	99.76%
86.0	17.535	1.939	3847.623	0.05%	99.81%
87.0	17.213	1.902	3849.525	0.05%	99.86%
88.0	16.913	1.869	3851.394	0.05%	99.91%
89.0	16.584	1.836	3853.23	0.04%	99.95%
90.0	16.430	1.810	3855.04	0.04%	100.00%

Zonal flux distribution table

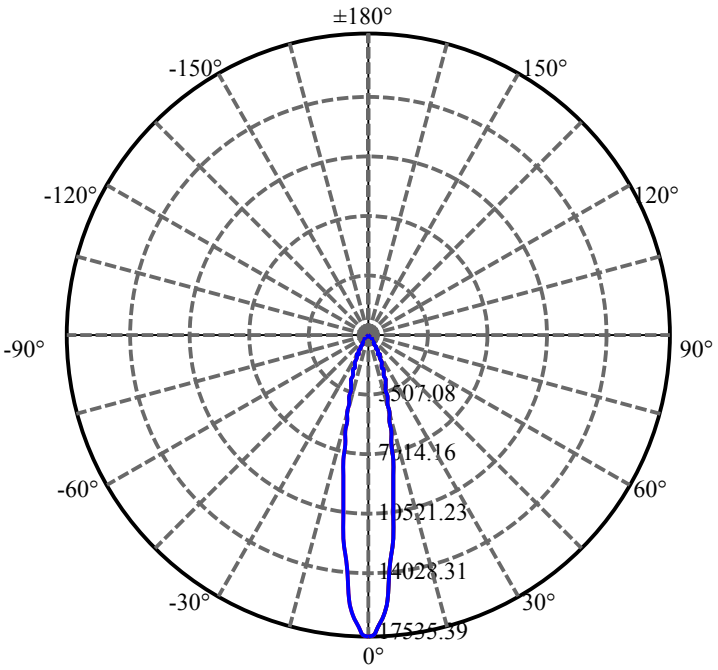
ZONAL LUMEN SUMMARY

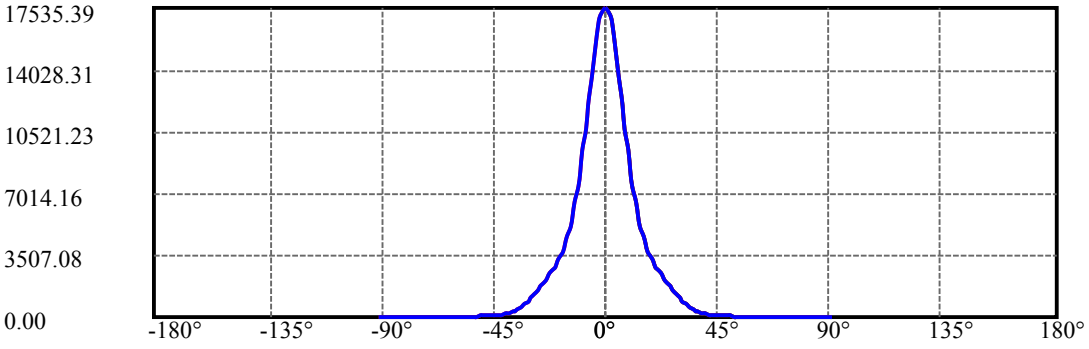
Zone	Lumens	%Lamp	%Fixt
0-30	3340.38	81.33%	86.65%
0-40	3655.24	89.00%	94.82%
0-60	3774.31	91.90%	97.91%
0-90	3853.23	93.82%	99.95%
0-120	3853.23	93.82%	99.95%
0-180	3855.04	93.87%	100.00%
60-90	78.92	1.92%	2.05%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.30	3084.03	75.09%	80.00%

ZONAL LUMEN SUMMARY

0-10	1156.89
10-20	1321.96
20-30	861.53
30-40	314.86
40-50	73.81
50-60	45.26
60-70	36.46
70-80	24.50
80-90	17.96
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):

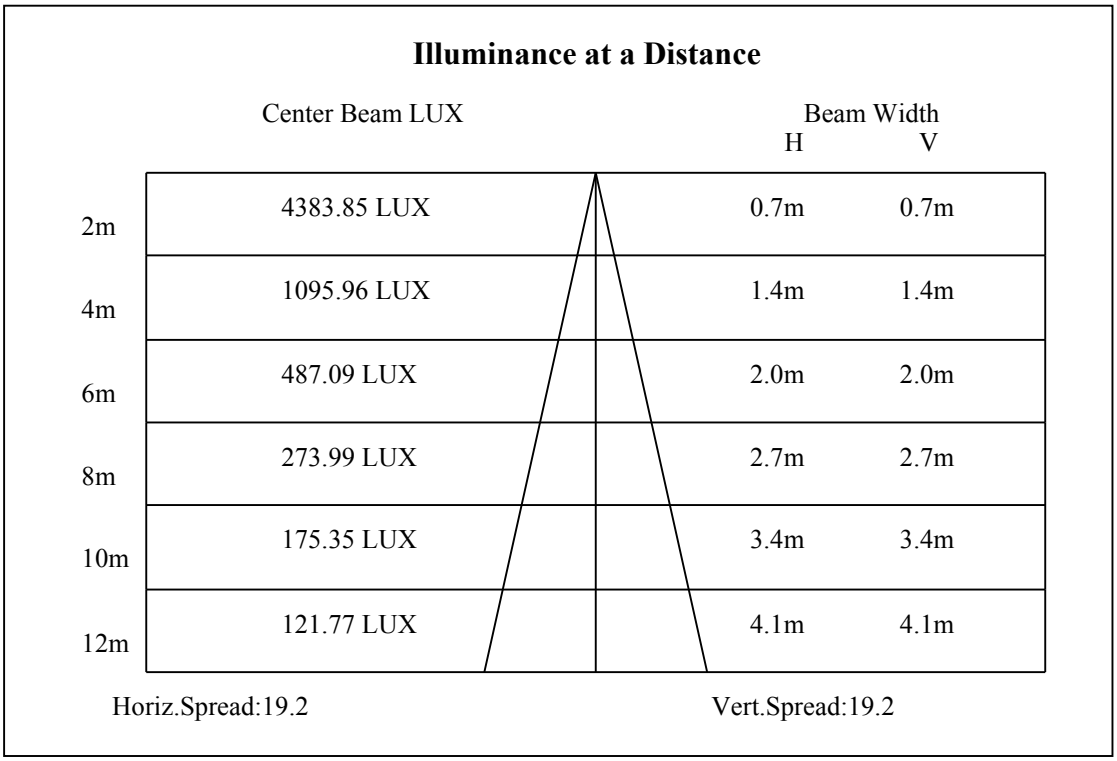
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:25.8 Right:25.8
:C90/270Left:25.8 Right:25.8

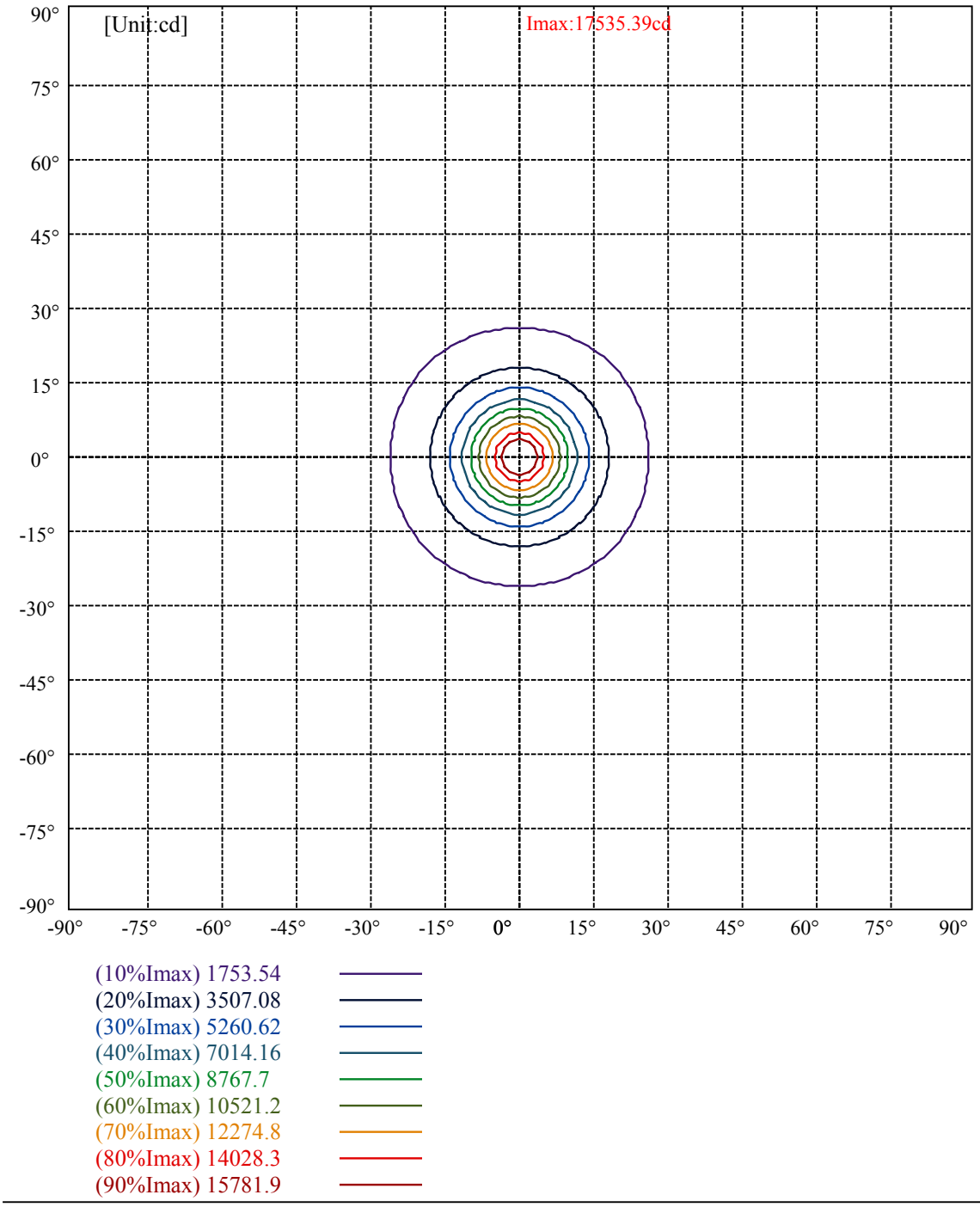
Beam Angle(50%Imax):C0/180Left:9.6 Right:9.6
:C90/270Left:9.6 Right:9.6

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)

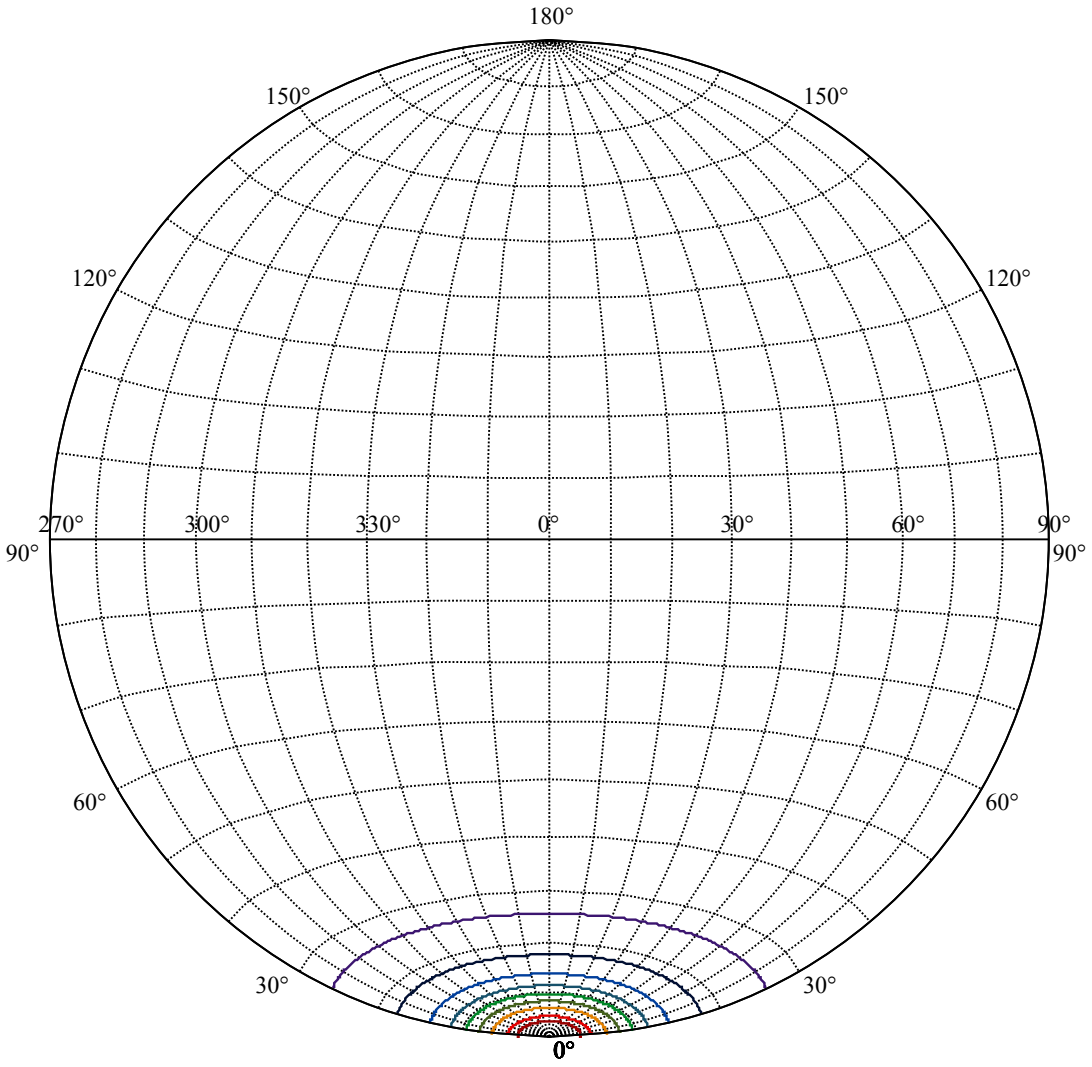


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



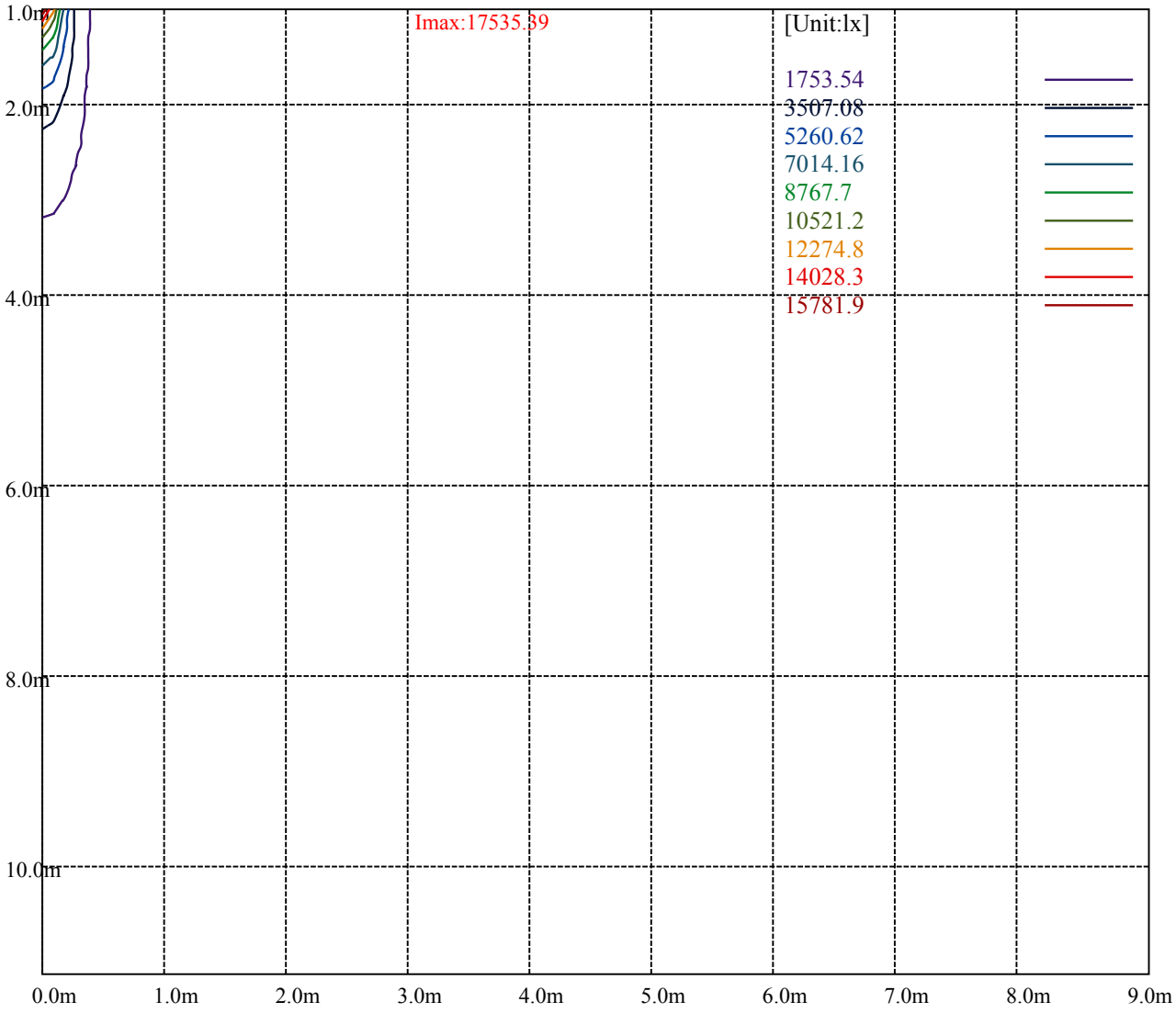
House [Unit:cd] Road

Imax:17535.39

(10%Imax) 1753.54
(20%Imax) 3507.08
(30%Imax) 5260.62
(40%Imax) 7014.16
(50%Imax) 8767.7
(60%Imax) 10521.2
(70%Imax) 12274.8
(80%Imax) 14028.3
(90%Imax) 15781.9

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 2-2748-L

Luminance Limitting Curve(no luminous side)

Luminance Table

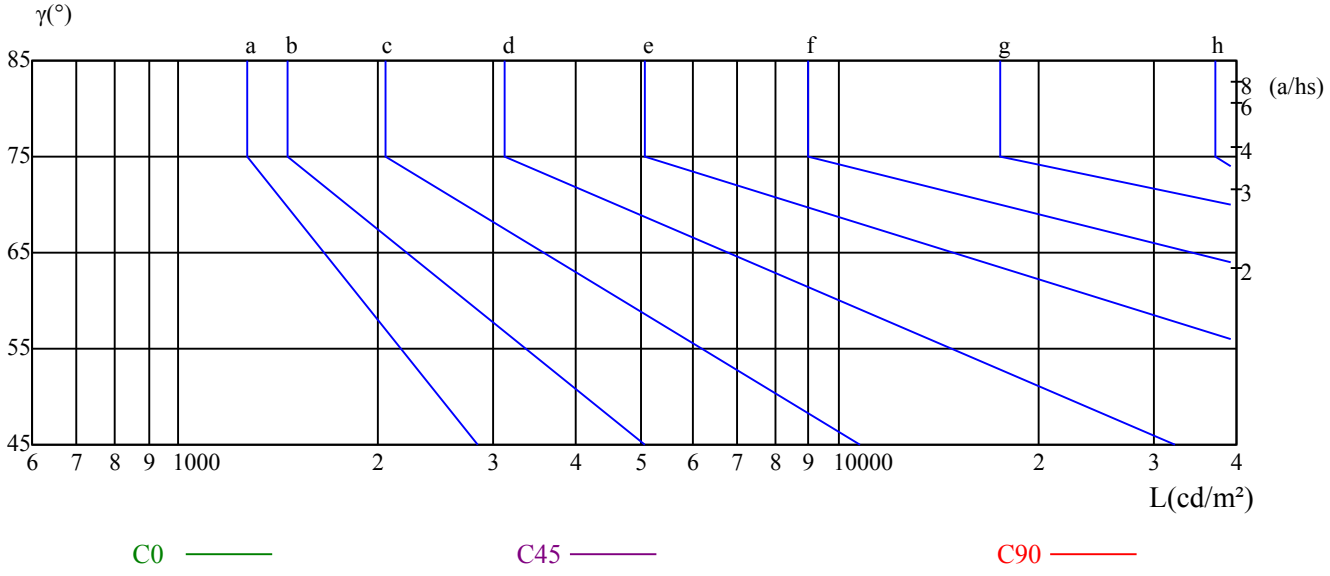
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

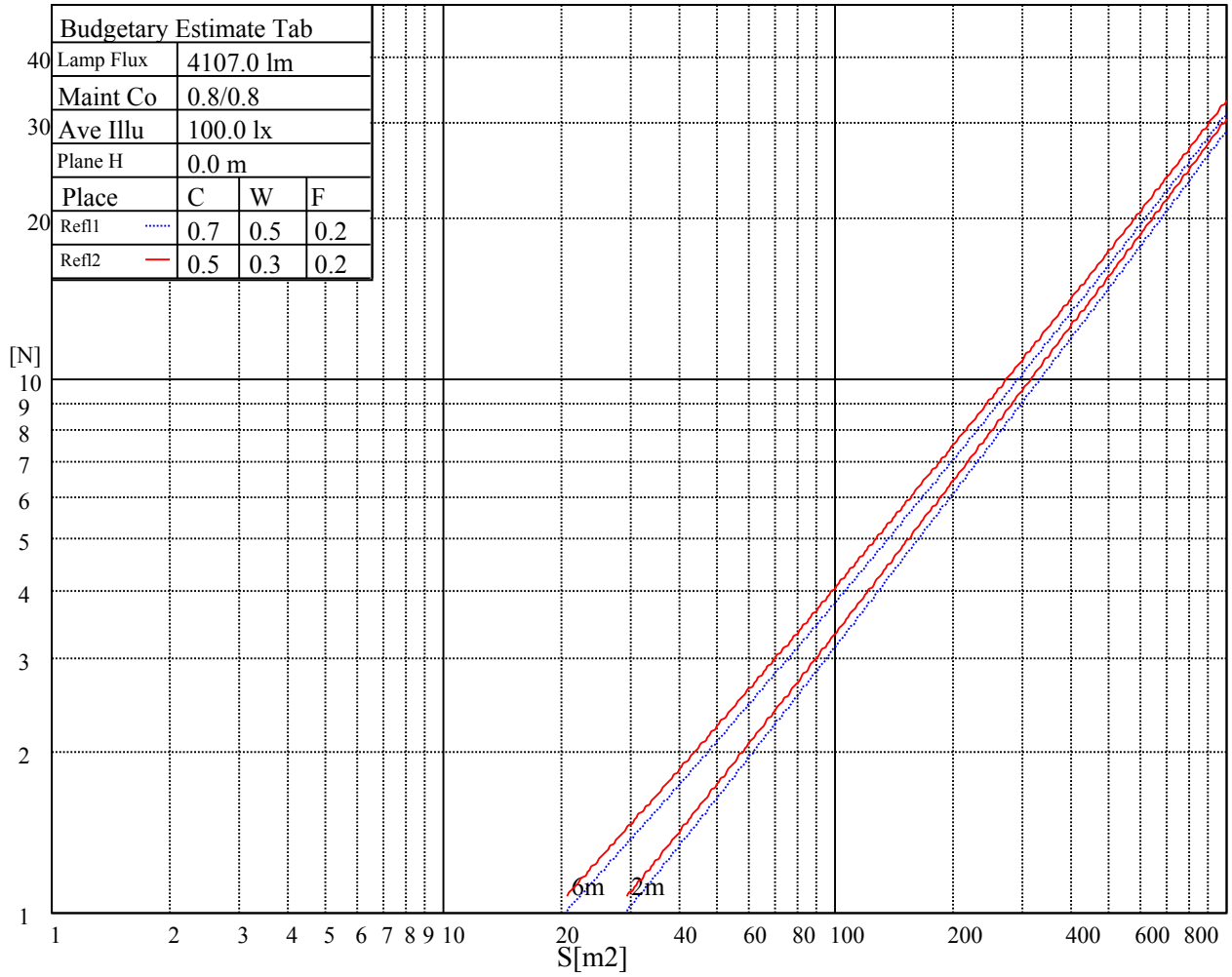
Date: 2024/8/13
Humidity(%): 60.0%

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

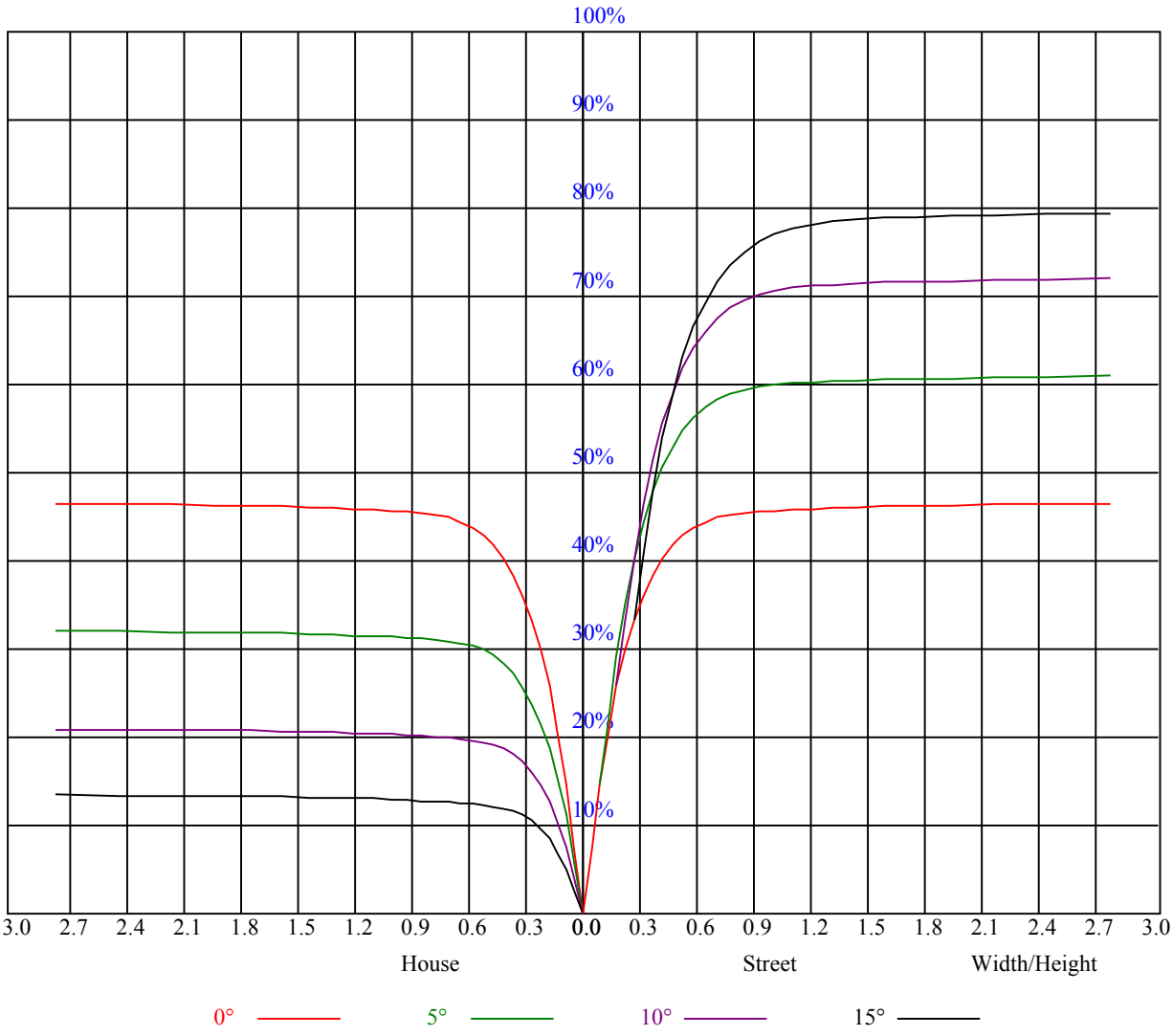


Equipment: GMS1980	Date: 2024/8/13	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

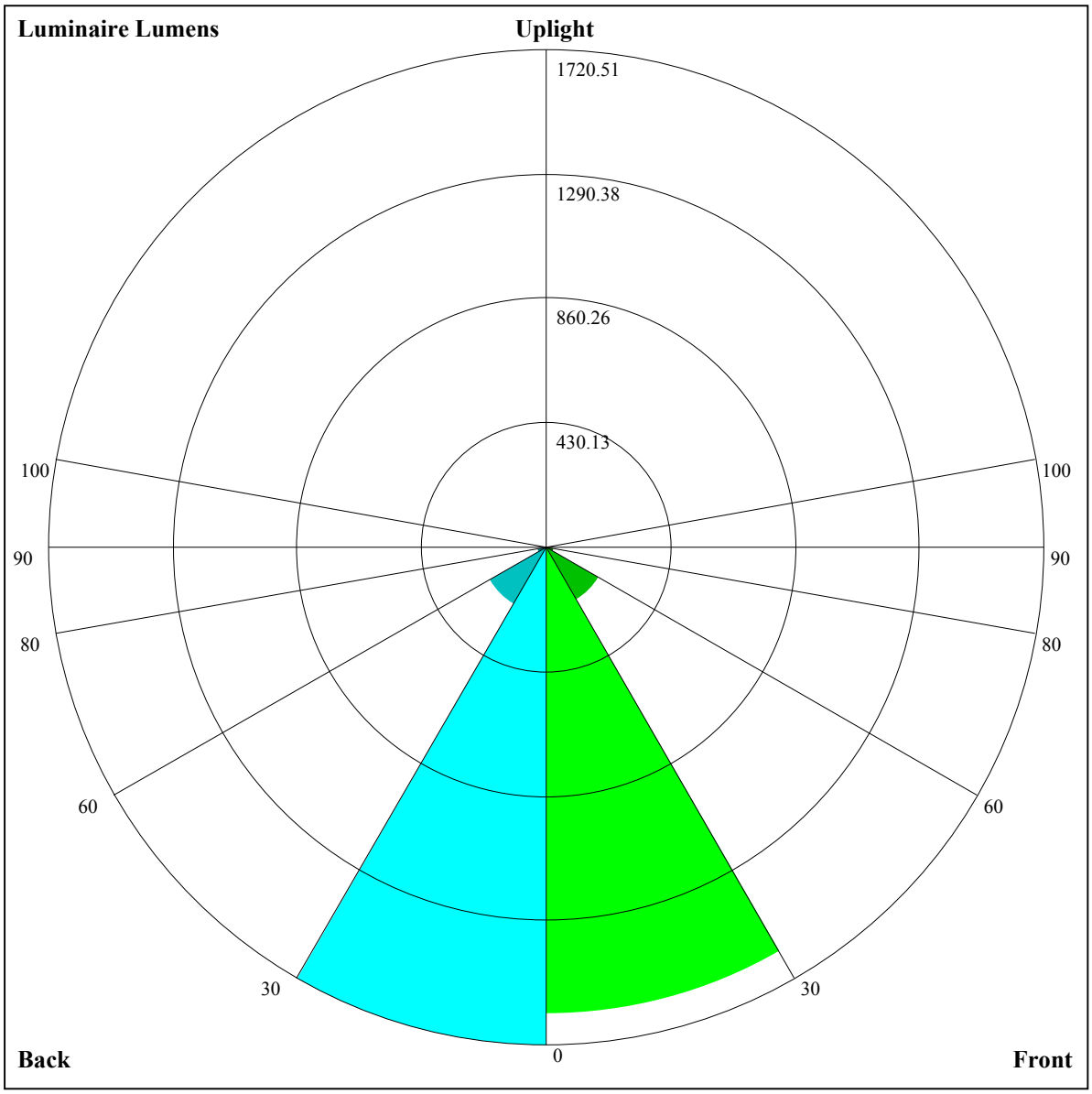
Utilization factor table for indoor luminaire

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	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.03	1.01	1.03	1.01	0.99	0.99	0.98	0.96	0.96	0.94	0.93	0.92	0.92	0.91	0.89
2	0.99	0.96	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.85
3	0.94	0.90	0.87	0.93	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.83	0.86	0.84	0.82	0.81
4	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.80	0.83	0.81	0.79	0.77
5	0.85	0.81	0.78	0.85	0.80	0.77	0.83	0.79	0.77	0.82	0.78	0.76	0.80	0.78	0.75	0.74
6	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.71
7	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.69
8	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.73	0.70	0.67	0.66
9	0.73	0.69	0.66	0.73	0.68	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.64
10	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.62

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=1611.5,FM=207.92,FH=30.12,FVH=9.85
BL=1720.51,BM=230.03,BH=30.9,BVH=9.96
UL=0,UH=0

BUG Rating:B3-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	17501.74	17097.93	16512.71	15740.21	14522.94	11552.99	11552.99	10934.99	9488.31
45.0	17531.00	17554.41	17232.54	16752.65	16044.53	14874.08	13779.71	12585.85	11040.85
90.0	17577.82	17343.73	16898.96	16044.53	15166.69	14136.70	11439.45	11439.45	10223.94
135.0	17531.00	17583.67	17507.59	17133.05	16360.55	15511.97	14528.80	13094.99	11918.69
180.0	17501.74	17571.97	17437.36	16881.40	16214.24	15178.40	14148.40	12989.65	11795.80
225.0	17531.00	17267.65	16653.16	15968.45	15061.35	11659.50	11659.50	11352.25	10153.13
270.0	17577.82	17531.00	17244.24	16711.69	15810.44	14885.78	13814.82	12661.93	11152.05
315.0	17531.00	17086.23	16465.89	15705.10	14505.39	11496.80	11496.80	10587.36	9432.72
360.0	17501.74	17097.93	16512.71	15740.21	14522.94	11552.99	11552.99	10934.99	9488.31

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8429.64	7471.63	6617.78	5735.26	5163.50	4677.18	4137.01	3763.64	3373.88
45.0	9870.40	8770.18	7781.15	6675.08	5937.69	5340.76	4831.62	4246.39	3866.00
90.0	9103.23	7788.82	6903.37	6105.71	5480.69	4966.28	4392.76	3990.12	3564.66
135.0	10736.54	9332.00	8307.85	7365.64	6359.05	5715.31	5153.49	4568.27	4129.35
180.0	10619.49	9203.25	8190.81	7266.15	6452.69	5627.52	5100.82	4632.64	4123.50
225.0	9028.32	7770.68	6905.13	6165.40	5542.14	4901.90	4447.18	3953.84	3614.99
270.0	9981.60	8875.52	7874.79	6797.97	6037.18	5299.80	4796.50	4351.73	3871.85
315.0	8368.78	7186.62	6410.61	5739.95	5182.23	4699.42	4153.99	3771.25	3454.64
360.0	8429.64	7471.63	6617.78	5735.26	5163.50	4677.18	4137.01	3763.64	3373.88

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3111.70	2884.05	2669.85	2430.50	2248.49	2078.78	1915.50	1722.38	1576.07
45.0	3462.19	3187.14	3005.72	3005.72	2476.73	2288.87	2114.48	1911.99	1758.07
90.0	3274.98	3018.06	2737.74	2535.84	2346.23	2132.03	1968.17	1822.45	1679.07
135.0	3754.80	3450.49	3111.06	2994.01	2994.01	2467.37	2236.79	2063.56	1897.36
180.0	3748.95	3438.78	3093.50	2970.60	2970.60	2415.28	2218.65	2055.37	1861.07
225.0	3320.63	2998.17	2766.42	2550.47	2363.20	2141.40	1981.05	1827.72	1645.71
270.0	3532.42	3251.51	2988.16	2988.16	2514.19	2333.35	2114.48	1945.93	1785.58
315.0	3177.83	2875.27	2646.45	2397.73	2218.65	2048.93	1851.13	1703.65	1552.66
360.0	3111.70	2884.05	2669.85	2430.50	2248.49	2078.78	1915.50	1722.38	1576.07

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1315.64	1134.81	1096.89	951.69	775.72	649.95	549.18	447.05	378.93
45.0	1605.92	1454.34	1274.68	1131.88	992.01	849.22	686.53	581.19	475.26
90.0	1494.14	1160.97	1160.97	1051.06	867.71	732.06	616.18	520.73	421.77
135.0	1705.40	1555.00	1373.58	1226.10	1080.38	931.15	758.51	639.71	541.98
180.0	1708.33	1561.44	1411.04	1224.35	1071.61	921.79	777.24	624.49	531.44
225.0	1494.14	1157.40	1157.40	1005.88	857.12	719.53	580.78	490.95	403.75
270.0	1641.03	1454.93	1302.18	1144.76	955.73	808.84	680.09	548.41	468.24
315.0	1141.60	1141.60	1063.35	915.76	739.43	617.53	521.14	444.01	379.58
360.0	1315.64	1134.81	1096.89	951.69	775.72	649.95	549.18	447.05	378.93

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	321.76	273.42	221.62	187.68	159.42	135.60	111.90	96.68	84.57
45.0	403.86	329.54	303.79	303.79	195.35	159.30	135.71	116.58	100.25
90.0	355.88	288.22	242.34	195.11	165.27	141.04	120.56	104.11	88.13
135.0	462.39	394.50	321.93	295.60	295.60	183.88	157.48	129.69	112.07
180.0	437.22	372.26	316.67	303.79	248.02	180.19	146.54	124.95	107.68
225.0	343.59	292.96	247.67	209.57	169.77	144.32	124.01	103.23	90.24
270.0	399.18	327.20	302.03	302.03	198.39	161.29	137.47	118.39	103.12
315.0	312.28	267.10	219.34	186.34	158.48	130.39	112.30	97.03	82.81
360.0	321.76	273.42	221.62	187.68	159.42	135.60	111.90	96.68	84.57

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	75.79	67.48	62.74	58.52	55.42	52.73	50.91	49.86	48.81
45.0	84.39	75.61	68.47	63.32	58.76	55.36	52.38	50.27	49.22
90.0	78.89	71.57	65.90	60.92	57.47	54.19	51.73	50.50	48.98
135.0	97.67	84.51	76.49	69.88	64.90	59.40	55.83	53.31	51.79
180.0	93.81	83.22	73.39	67.65	63.56	58.99	55.48	52.96	51.32
225.0	80.53	72.98	66.19	62.38	58.23	55.07	53.08	51.56	50.27
270.0	87.67	78.95	71.98	65.55	61.51	58.05	54.43	52.90	51.85
315.0	74.56	68.00	63.20	58.87	55.42	52.85	51.38	49.86	48.92
360.0	75.79	67.48	62.74	58.52	55.42	52.73	50.91	49.86	48.81

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	48.81	49.28	49.28	49.39	50.10	49.86	48.57	47.17	44.36
45.0	48.11	47.64	47.99	48.16	48.05	48.52	48.75	47.75	46.06
90.0	48.57	48.87	49.16	49.10	49.57	49.51	48.11	46.53	44.71
135.0	50.10	49.39	49.51	49.74	49.39	49.51	49.57	48.52	46.47
180.0	50.10	49.28	49.86	49.92	49.69	50.04	50.10	49.16	47.75
225.0	49.86	50.27	50.39	50.39	50.80	50.91	49.57	47.93	46.06
270.0	50.56	50.62	51.15	51.32	51.50	51.79	51.38	50.04	47.81
315.0	48.87	49.22	49.22	49.39	49.74	49.10	47.70	45.53	42.84
360.0	48.81	49.28	49.28	49.39	50.10	49.86	48.57	47.17	44.36

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	40.38	37.34	33.71	31.08	28.97	27.62	26.57	25.52	24.81
45.0	44.18	40.85	37.69	34.35	31.66	29.73	27.92	26.74	25.63
90.0	41.43	38.16	34.70	31.95	29.61	28.27	27.10	25.93	25.22
135.0	44.65	41.49	38.33	35.00	32.30	30.26	28.73	27.45	26.28
180.0	45.35	41.90	38.33	35.52	31.95	30.02	28.62	27.10	26.22
225.0	41.43	38.16	35.17	31.54	29.73	27.92	26.74	25.93	25.22
270.0	45.24	41.26	37.28	34.18	31.43	29.26	27.86	26.57	25.75
315.0	39.15	35.46	32.54	30.20	28.62	27.04	26.04	25.28	24.46
360.0	40.38	37.34	33.71	31.08	28.97	27.62	26.57	25.52	24.81

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	24.23	23.64	23.17	22.65	22.24	21.77	21.19	20.66	20.07
45.0	24.93	24.29	23.76	23.12	22.77	22.30	21.83	21.24	20.72
90.0	24.40	23.88	23.41	23.00	22.47	22.00	21.54	21.01	20.42
135.0	25.46	24.64	24.11	23.58	23.06	22.65	22.24	21.65	21.19
180.0	25.28	24.70	24.11	23.58	23.06	22.65	22.18	21.65	21.01
225.0	24.58	23.88	23.35	22.94	22.53	21.89	21.42	20.89	20.19
270.0	25.05	24.40	23.70	23.23	22.77	22.41	21.77	21.30	20.72
315.0	23.88	23.29	22.82	22.47	22.00	21.48	20.95	20.37	19.84
360.0	24.23	23.64	23.17	22.65	22.24	21.77	21.19	20.66	20.07

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	19.49	19.08	18.49	18.14	17.67	17.38	17.09	16.80	16.39
45.0	20.19	19.55	19.02	18.43	18.02	17.62	17.32	16.97	16.74
90.0	19.78	19.25	18.73	18.32	17.91	17.50	17.21	16.91	16.39
135.0	20.60	19.96	19.43	18.96	18.49	17.97	17.50	17.21	16.91
180.0	20.48	19.84	19.31	18.73	18.26	17.67	17.38	17.03	16.85
225.0	19.66	19.08	18.61	18.20	17.62	17.32	17.03	16.80	16.39
270.0	20.07	19.55	18.96	18.49	18.02	17.62	17.26	16.91	16.68
315.0	19.25	18.79	18.38	17.91	17.56	17.21	16.91	16.68	16.33
360.0	19.49	19.08	18.49	18.14	17.67	17.38	17.09	16.80	16.39

Intensity data(cd)

C/γ(°)	90.0
0.0	16.50
45.0	16.33
90.0	16.44
135.0	16.39
180.0	16.39
225.0	16.50
270.0	16.44
315.0	16.44
360.0	16.50