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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 2-2685-L
Luminaire: 92.70.412.00
Report No: 2024305-B016
Ballast type: AC

Test No: 2024305-C016	Voltage(V): 34.240
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.532
Lamp flux(lm): 3287.0	Power (W): 18.215
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2812.65, Efficiency(%): 85.57% , Luminous Efficacy(lm/W): 154.41
Central intensity(cd): 4757.207, Maximum intensity(cd): 4757.207
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=45.4
[C90/270]Total=45.4
Field angle(10%Imax): [C0/180]Total=70.2
[C90/270]Total=70.2
Maximum s/h(1/2): C0_180=0.73 C90_270=0.73
Maximum s/h(1/4): C0_180=0.72 C90_270=0.72
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.57%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.970%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4757.206	0.000	0	0.00%	0.00%
1.0	4753.841	4.551	4.551	0.14%	0.16%
2.0	4741.039	13.628	18.179	0.41%	0.65%
3.0	4718.728	22.625	40.803	0.69%	1.45%
4.0	4686.321	31.482	72.285	0.96%	2.57%
5.0	4644.843	40.142	112.427	1.22%	4.00%
6.0	4594.367	48.555	160.982	1.48%	5.72%
7.0	4534.674	56.664	217.646	1.72%	7.74%
8.0	4463.496	64.398	282.044	1.96%	10.03%
9.0	4378.419	71.659	353.703	2.18%	12.58%
10.0	4287.636	78.425	432.127	2.39%	15.36%
11.0	4181.637	84.625	516.753	2.57%	18.37%
12.0	4069.201	90.193	606.946	2.74%	21.58%
13.0	3949.449	95.161	702.108	2.90%	24.96%
14.0	3815.213	99.387	801.495	3.02%	28.50%
15.0	3679.295	102.888	904.383	3.13%	32.15%
16.0	3538.036	105.754	1010.137	3.22%	35.91%
17.0	3371.467	107.600	1117.736	3.27%	39.74%
18.0	3205.848	108.446	1226.182	3.30%	43.60%
19.0	3039.278	108.652	1334.834	3.31%	47.46%
20.0	2855.737	107.895	1442.729	3.28%	51.29%
21.0	2676.805	106.236	1548.965	3.23%	55.07%
22.0	2502.115	104.073	1653.038	3.17%	58.77%
23.0	2333.204	101.458	1754.496	3.09%	62.38%
24.0	2169.341	98.442	1852.938	2.99%	65.88%
25.0	2004.747	94.910	1947.847	2.89%	69.25%
26.0	1847.029	90.922	2038.769	2.77%	72.49%
27.0	1637.130	85.241	2124.01	2.59%	75.52%
28.0	1491.402	79.208	2203.218	2.41%	78.33%
29.0	1319.573	73.543	2276.761	2.24%	80.95%
30.0	1177.187	67.412	2344.173	2.05%	83.34%
31.0	1042.308	61.765	2405.938	1.88%	85.54%
32.0	901.510	55.688	2461.626	1.69%	87.52%
33.0	751.246	48.691	2510.317	1.48%	89.25%
34.0	612.058	41.258	2551.574	1.26%	90.72%
35.0	484.347	34.050	2585.625	1.04%	91.93%
36.0	373.944	27.328	2612.953	0.83%	92.90%
37.0	294.149	21.789	2634.742	0.66%	93.67%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	236.263	17.704	2652.447	0.54%	94.30%
39.0	163.102	13.631	2666.078	0.41%	94.79%
40.0	125.384	10.061	2676.14	0.31%	95.15%
41.0	89.891	7.666	2683.805	0.23%	95.42%
42.0	77.630	6.086	2689.892	0.19%	95.64%
43.0	69.890	5.465	2695.356	0.17%	95.83%
44.0	63.043	5.017	2700.374	0.15%	96.01%
45.0	57.864	4.647	2705.02	0.14%	96.17%
46.0	53.702	4.363	2709.383	0.13%	96.33%
47.0	50.278	4.136	2713.519	0.13%	96.48%
48.0	47.432	3.950	2717.469	0.12%	96.62%
49.0	44.975	3.795	2721.264	0.12%	96.75%
50.0	42.678	3.655	2724.918	0.11%	96.88%
51.0	40.651	3.526	2728.444	0.11%	97.01%
52.0	38.610	3.401	2731.845	0.10%	97.13%
53.0	36.891	3.284	2735.129	0.10%	97.24%
54.0	35.304	3.182	2738.311	0.10%	97.36%
55.0	33.855	3.087	2741.398	0.09%	97.47%
56.0	32.502	2.998	2744.397	0.09%	97.57%
57.0	31.310	2.918	2747.314	0.09%	97.68%
58.0	30.000	2.835	2750.15	0.09%	97.78%
59.0	28.735	2.746	2752.895	0.08%	97.88%
60.0	27.491	2.656	2755.552	0.08%	97.97%
61.0	26.225	2.563	2758.115	0.08%	98.06%
62.0	25.004	2.469	2760.584	0.08%	98.15%
63.0	23.826	2.375	2762.958	0.07%	98.23%
64.0	22.656	2.281	2765.239	0.07%	98.31%
65.0	21.712	2.196	2767.435	0.07%	98.39%
66.0	20.805	2.121	2769.556	0.06%	98.47%
67.0	19.949	2.049	2771.606	0.06%	98.54%
68.0	19.312	1.989	2773.594	0.06%	98.61%
69.0	18.888	1.949	2775.543	0.06%	98.68%
70.0	18.669	1.929	2777.472	0.06%	98.75%
71.0	18.603	1.926	2779.398	0.06%	98.82%
72.0	18.683	1.939	2781.337	0.06%	98.89%
73.0	18.822	1.961	2783.298	0.06%	98.96%
74.0	18.903	1.983	2785.282	0.06%	99.03%
75.0	18.939	1.999	2787.281	0.06%	99.10%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.895	2.008	2789.29	0.06%	99.17%
77.0	18.822	2.011	2791.301	0.06%	99.24%
78.0	18.654	2.006	2793.307	0.06%	99.31%
79.0	18.354	1.988	2795.295	0.06%	99.38%
80.0	17.944	1.957	2797.252	0.06%	99.45%
81.0	17.410	1.912	2799.164	0.06%	99.52%
82.0	16.511	1.839	2801.004	0.06%	99.59%
83.0	15.508	1.741	2802.744	0.05%	99.65%
84.0	14.462	1.633	2804.377	0.05%	99.71%
85.0	13.489	1.526	2805.902	0.05%	99.76%
86.0	12.787	1.436	2807.339	0.04%	99.81%
87.0	12.348	1.376	2808.714	0.04%	99.86%
88.0	12.056	1.337	2810.051	0.04%	99.91%
89.0	11.829	1.309	2811.36	0.04%	99.95%
90.0	11.726	1.291	2812.652	0.04%	100.00%

Zonal flux distribution table

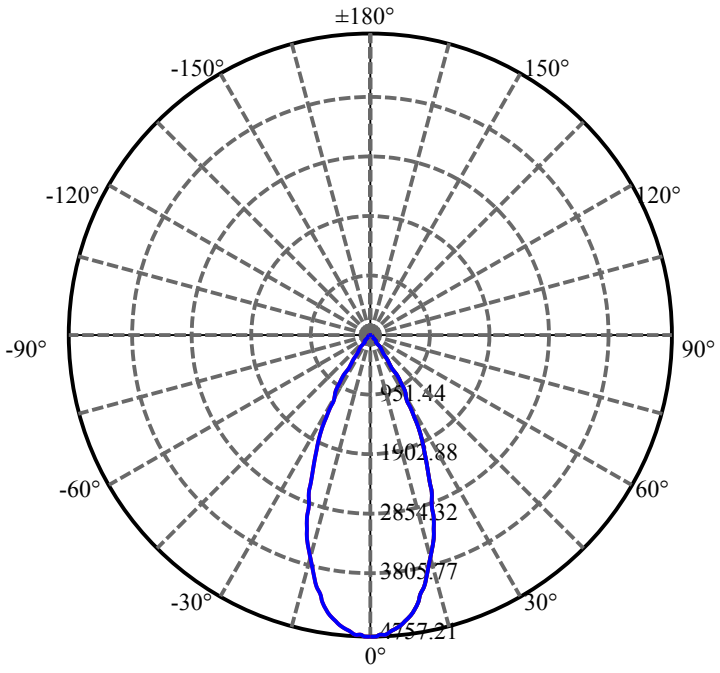
ZONAL LUMEN SUMMARY

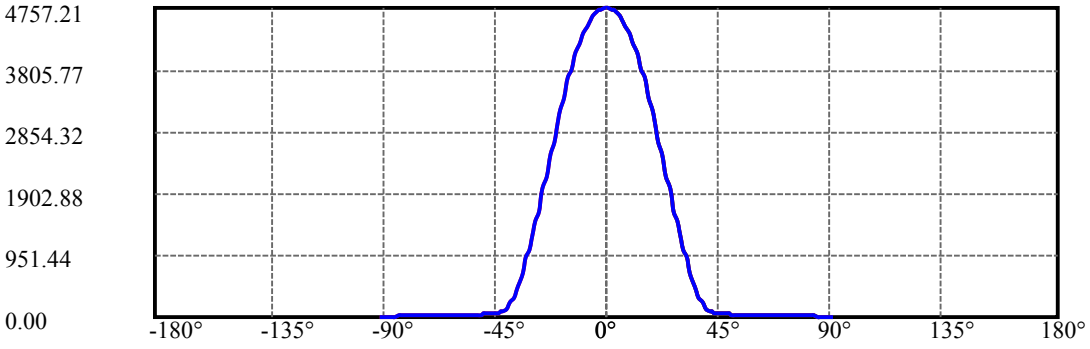
Zone	Lumens	%Lamp	%Fixt
0-30	2344.17	71.32%	83.34%
0-40	2676.14	81.42%	95.15%
0-60	2755.55	83.83%	97.97%
0-90	2811.36	85.53%	99.95%
0-120	2811.36	85.53%	99.95%
0-180	2812.65	85.57%	100.00%
60-90	55.81	1.70%	1.98%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.64	2250.12	68.46%	80.00%

ZONAL LUMEN SUMMARY

0-10	432.13
10-20	1010.60
20-30	901.44
30-40	331.97
40-50	48.78
50-60	30.63
60-70	21.92
70-80	19.78
80-90	14.11
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):

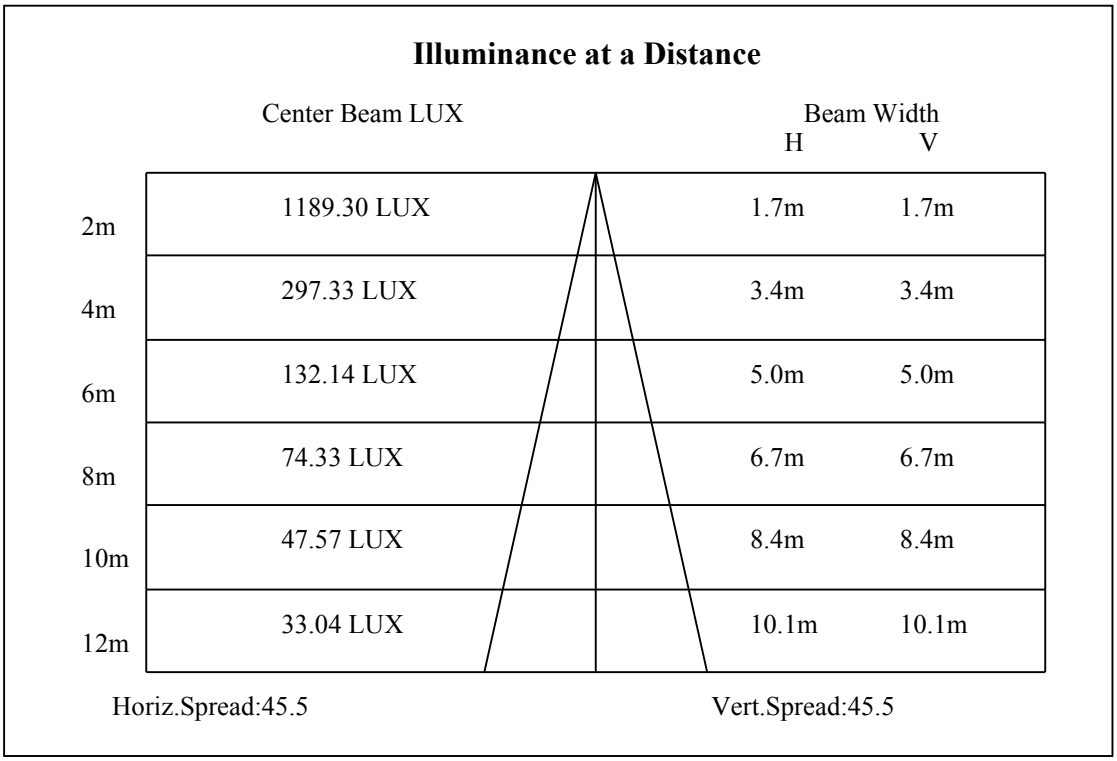
C0/C180:

C90/C270:

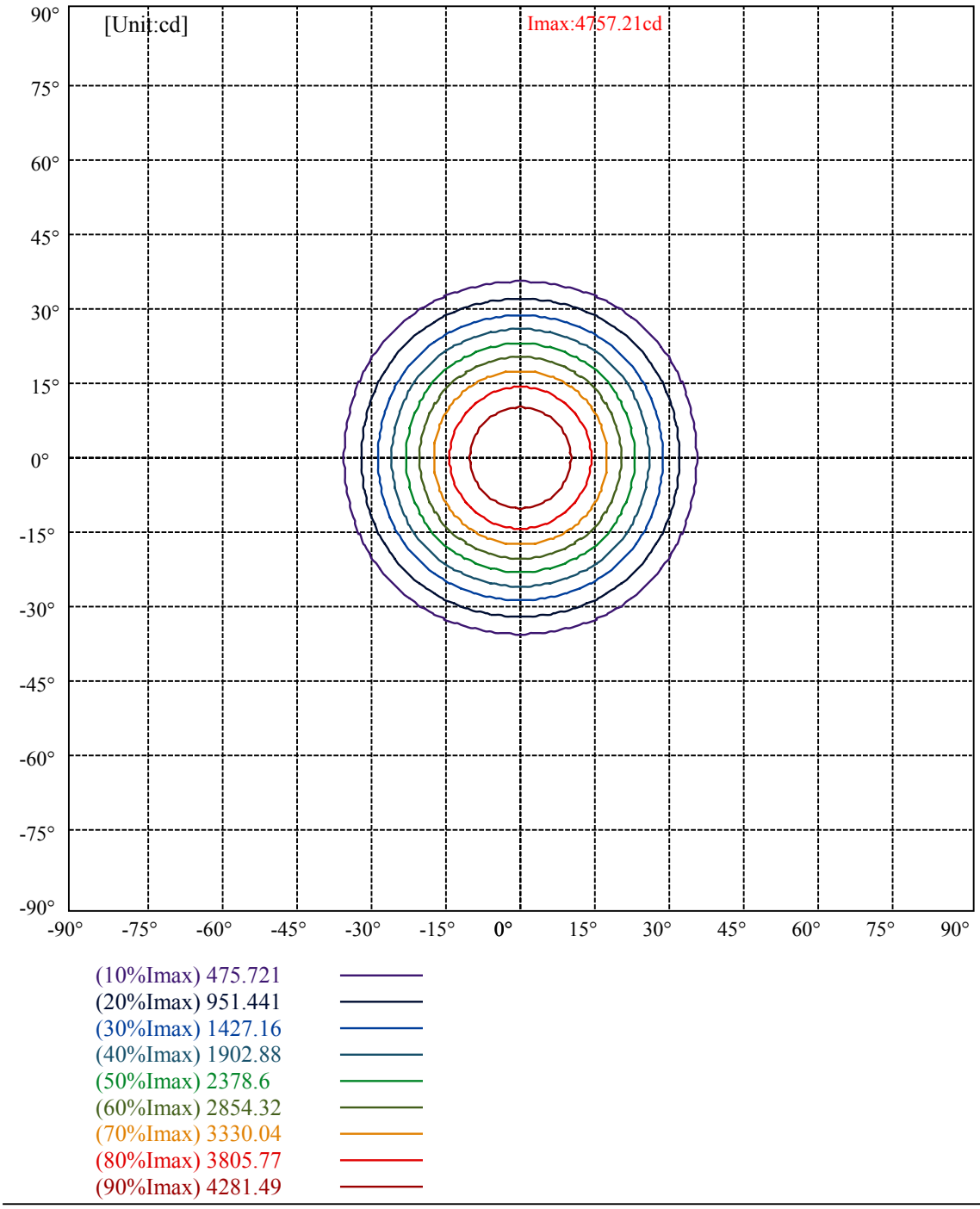
Field angle(10%Imax):C0/180Left:35.1 Right:35.1
:C90/270Left:35.1 Right:35.1

Beam Angle(50%Imax):C0/180Left:22.7 Right:22.7
:C90/270Left:22.7 Right:22.7

Lux distance Curve



ISO-Intensity(V-H)



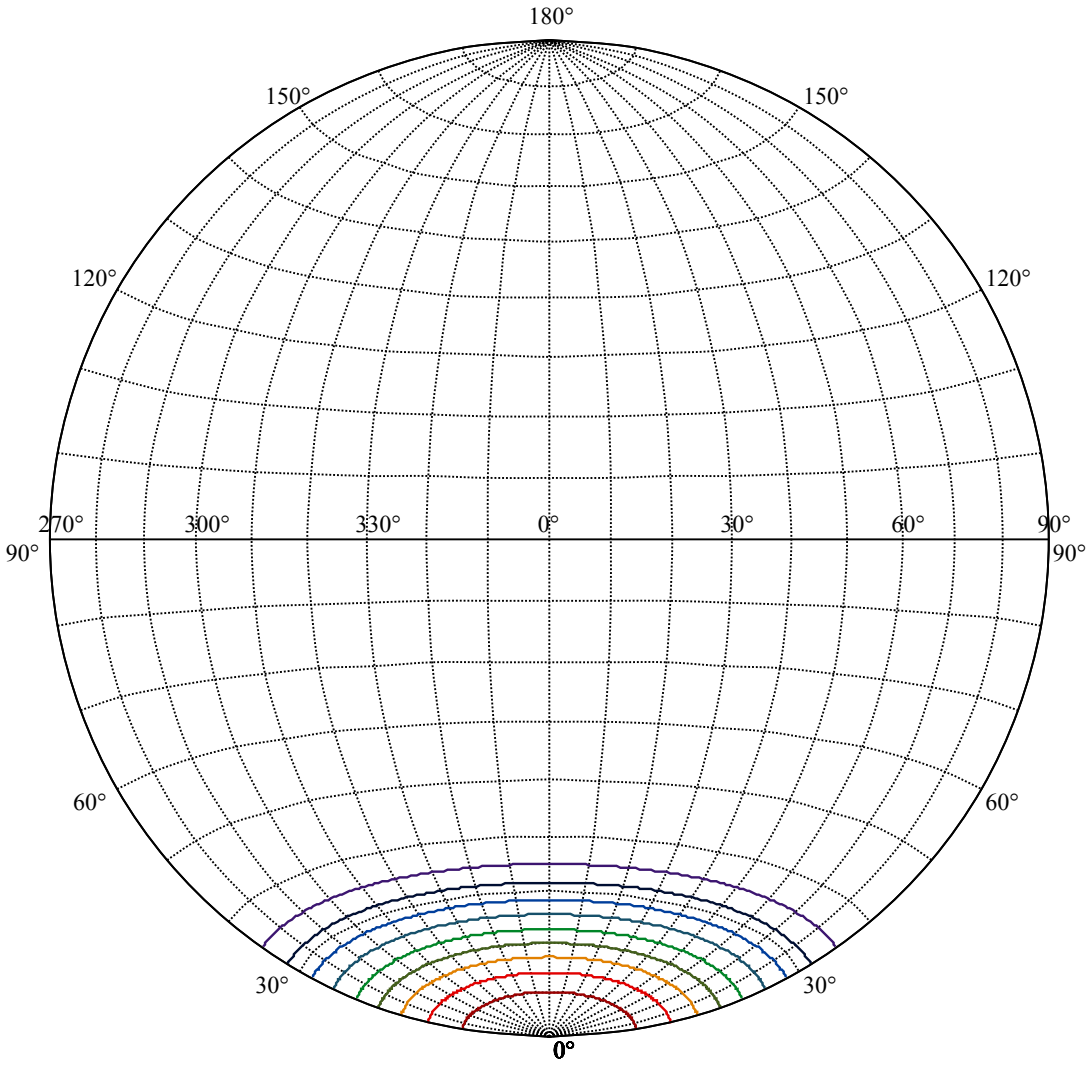
(10%Imax) 475.721
(20%Imax) 951.441
(30%Imax) 1427.16
(40%Imax) 1902.88
(50%Imax) 2378.6
(60%Imax) 2854.32
(70%Imax) 3330.04
(80%Imax) 3805.77
(90%Imax) 4281.49

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/05
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



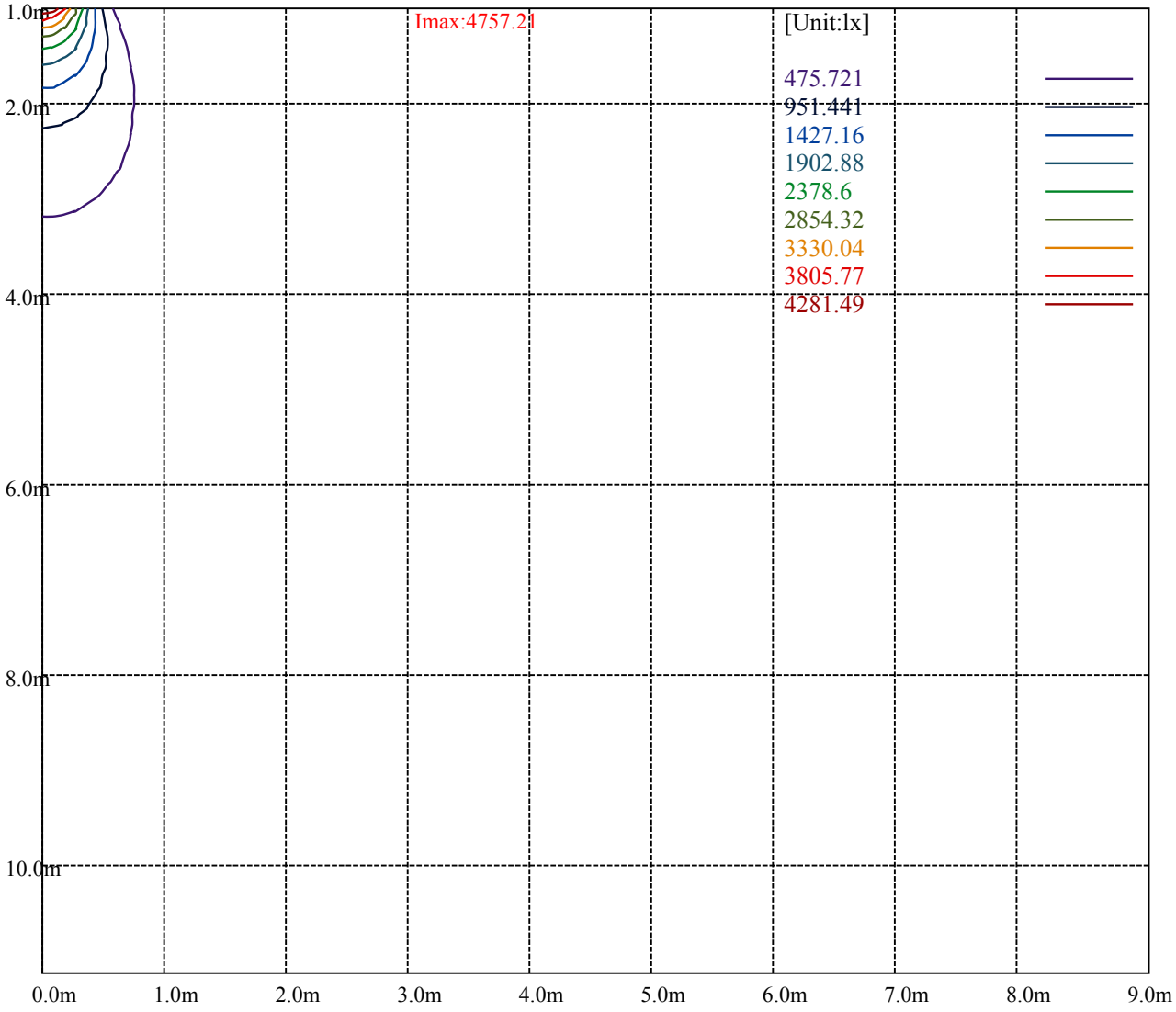
House [Unit:cd] Road

Imax:4757.21

(10%Imax) 475.721
(20%Imax) 951.441
(30%Imax) 1427.16
(40%Imax) 1902.88
(50%Imax) 2378.6
(60%Imax) 2854.32
(70%Imax) 3330.04
(80%Imax) 3805.77
(90%Imax) 4281.49

Equipment: GMS1980 Date: 2024/3/05 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/05
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

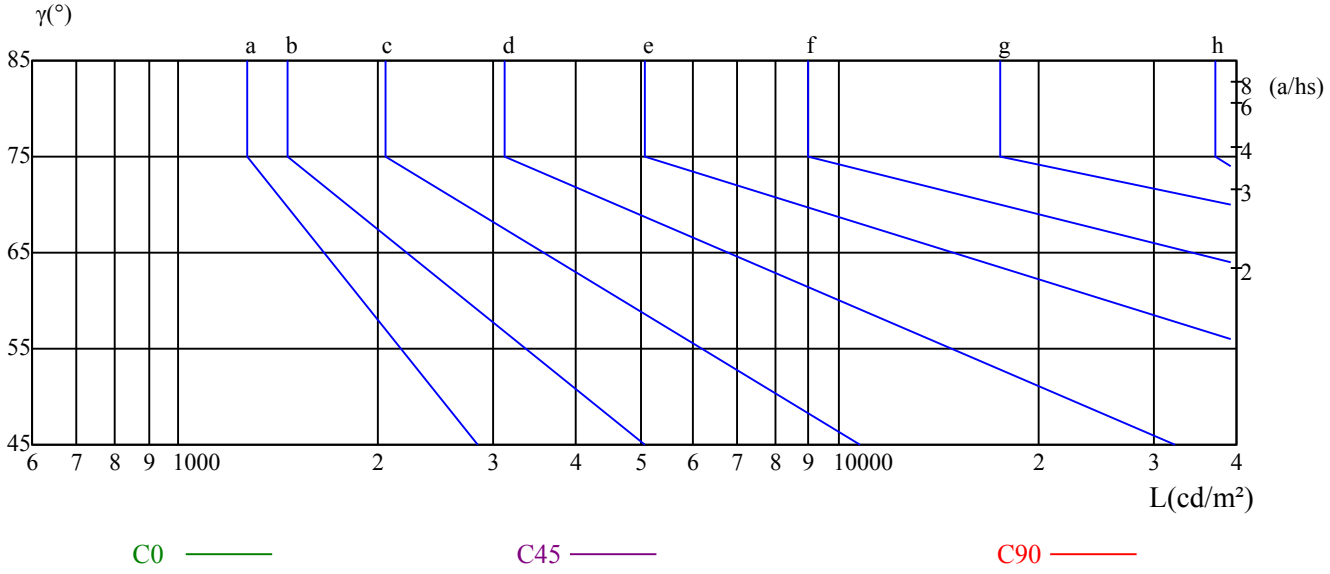
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

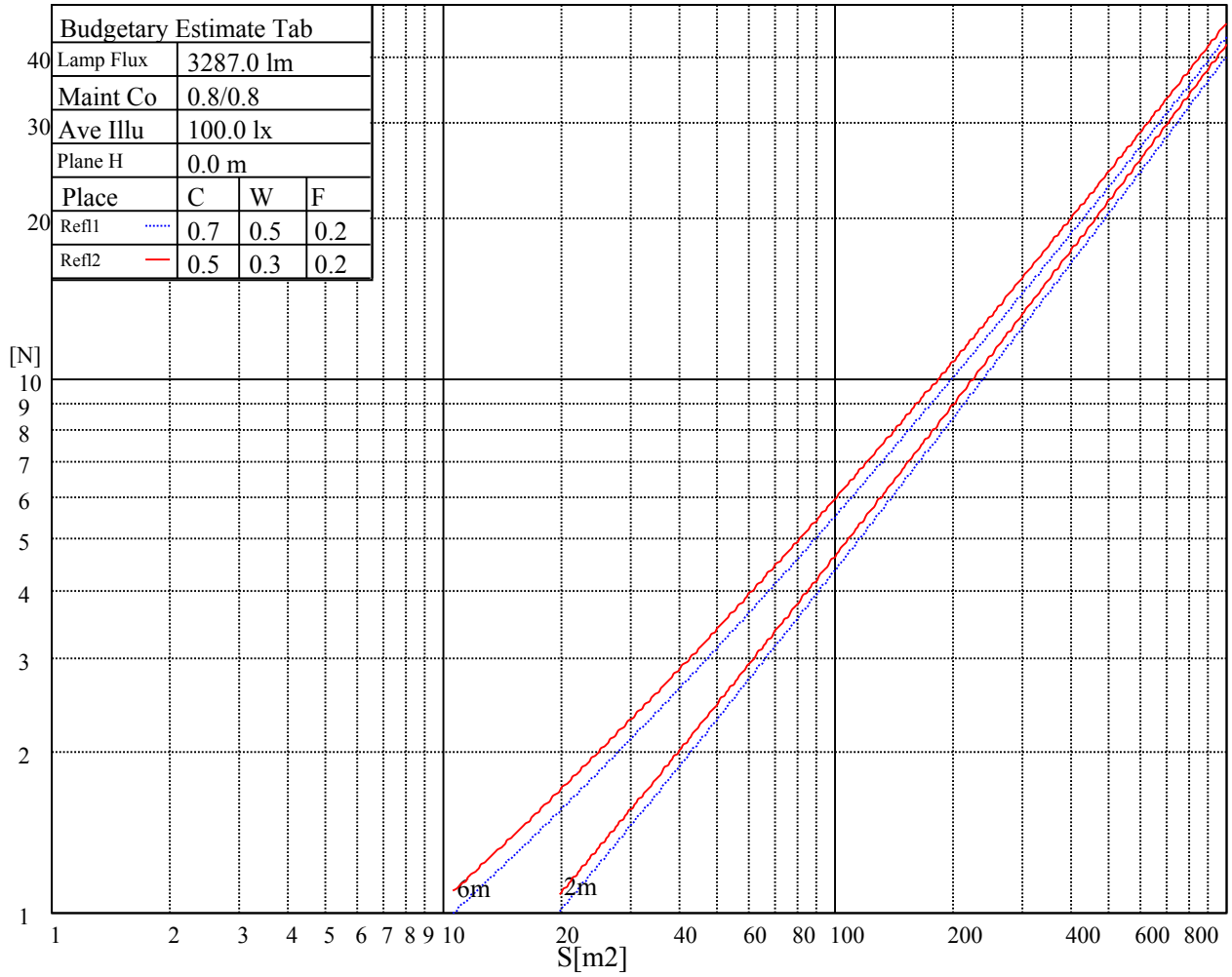
Luminance Limitting Curve



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

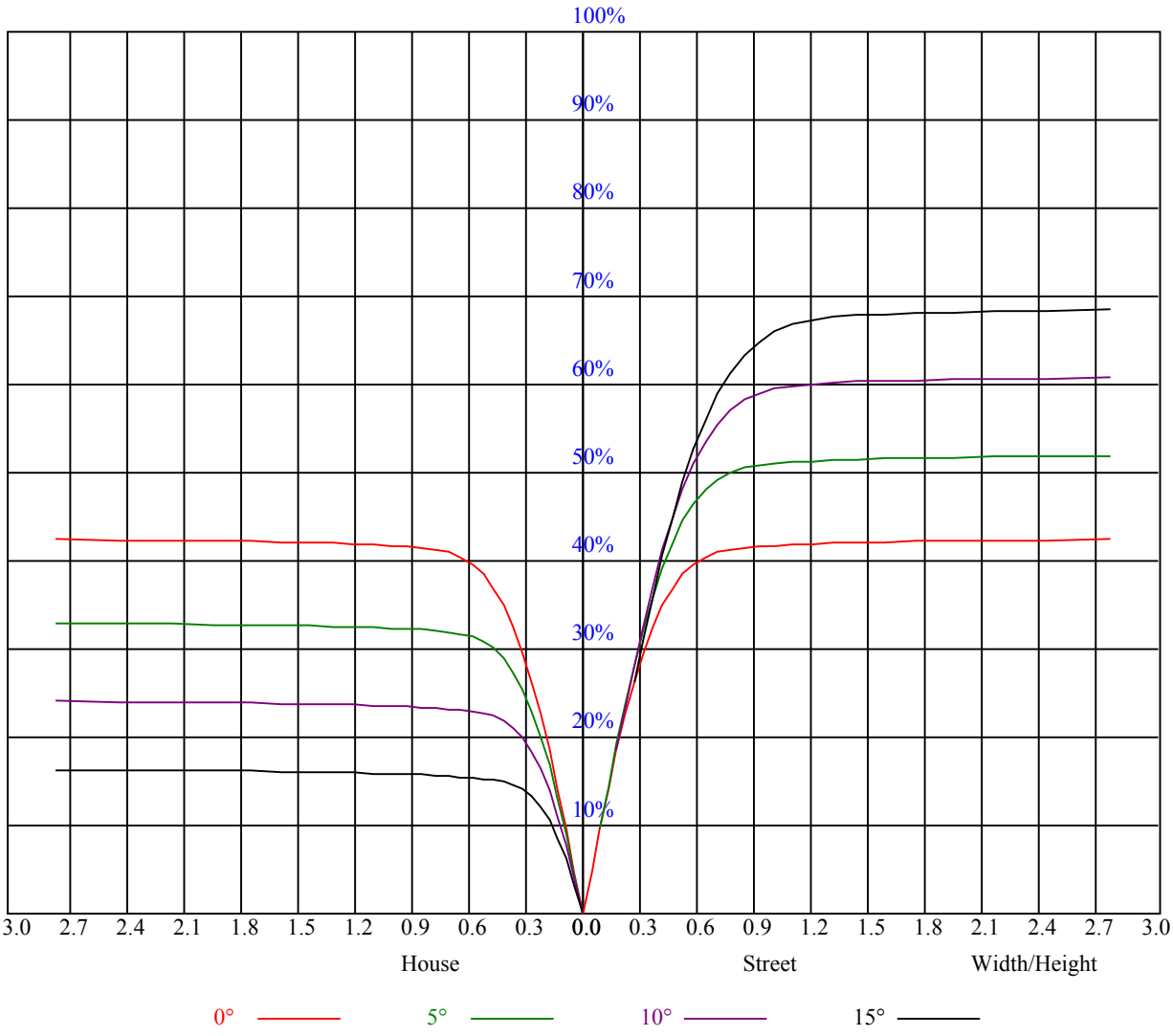


Equipment: GMS1980 Date: 2024/3/05 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

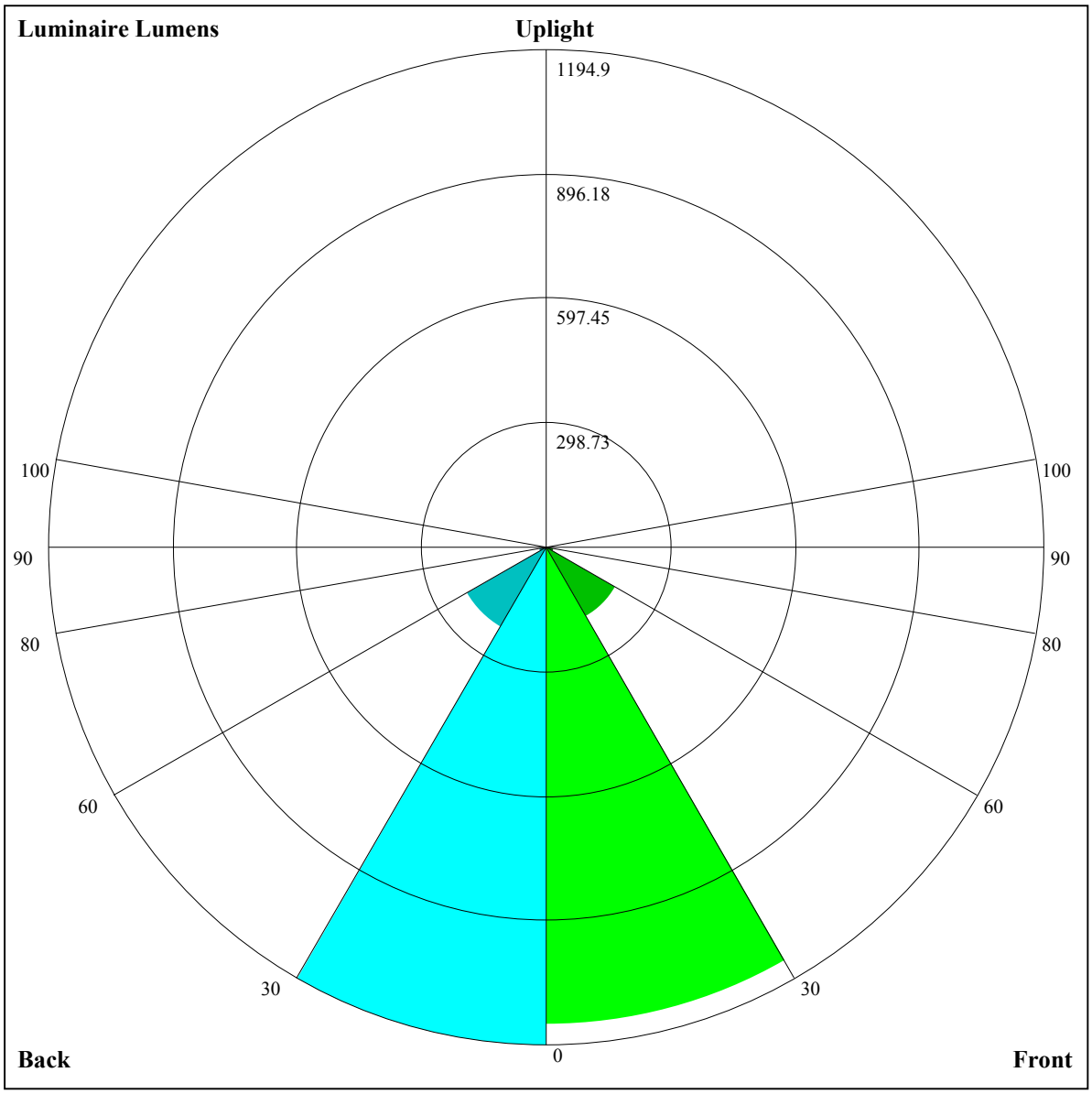
Utilization factor table for indoor luminaire

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	1.02	1.02	1.02	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.86
1	0.95	0.93	0.91	0.93	0.91	0.90	0.90	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82	0.80
2	0.89	0.86	0.83	0.87	0.85	0.82	0.85	0.82	0.80	0.82	0.80	0.79	0.80	0.78	0.77	0.76
3	0.84	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.76	0.74	0.72	0.71
4	0.79	0.75	0.71	0.78	0.74	0.71	0.76	0.73	0.70	0.74	0.72	0.69	0.73	0.70	0.68	0.67
5	0.75	0.70	0.67	0.74	0.70	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
6	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.60
7	0.67	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
8	0.64	0.59	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.54
9	0.61	0.56	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.59	0.56	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	0.57	0.53	0.51	0.56	0.53	0.50	0.49

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/05	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1144.58,FM=192.82,FH=20.72,FVH=7.58
BL=1194.9,BM=222.5,BH=21.04,BVH=7.83
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	4753.26	4731.02	4699.42	4652.01	4611.05	4563.06	4483.47	4405.63	4321.36
45.0	4762.62	4754.43	4732.19	4707.61	4666.64	4628.02	4580.61	4509.80	4436.65
90.0	4750.92	4726.92	4697.07	4661.96	4621.58	4565.40	4507.46	4436.06	4355.89
135.0	4762.03	4756.18	4736.87	4708.78	4674.25	4635.04	4587.64	4522.68	4454.21
180.0	4753.26	4765.55	4767.30	4763.79	4745.65	4712.29	4680.10	4639.14	4589.39
225.0	4762.62	4766.13	4768.47	4752.67	4725.75	4682.44	4638.55	4589.39	4513.31
270.0	4750.92	4763.20	4770.81	4769.64	4753.26	4720.48	4684.78	4642.06	4571.25
315.0	4762.03	4767.30	4756.18	4733.36	4692.39	4652.01	4592.32	4532.63	4465.91
360.0	4753.26	4731.02	4699.42	4652.01	4611.05	4563.06	4483.47	4405.63	4321.36

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4200.80	4100.73	3993.63	3877.76	3757.20	3592.75	3451.13	3297.22	3097.65
45.0	4336.58	4241.77	4142.28	4033.43	3886.54	3765.98	3636.65	3494.44	3304.82
90.0	4264.01	4139.94	4027.58	3908.19	3753.69	3621.43	3444.69	3291.36	3137.45
135.0	4378.71	4292.10	4170.96	4063.28	3948.57	3798.17	3667.66	3529.55	3345.79
180.0	4516.83	4446.60	4368.76	4248.79	4151.06	4044.55	3898.24	3771.83	3607.97
225.0	4434.89	4351.79	4230.06	4129.41	4018.21	3874.83	3746.67	3617.92	3478.64
270.0	4509.22	4433.72	4345.94	4224.21	4120.63	4008.85	3894.15	3735.55	3611.48
315.0	4386.32	4294.44	4173.88	4068.54	3959.69	3815.14	3695.17	3566.42	3387.93
360.0	4200.80	4100.73	3993.63	3877.76	3757.20	3592.75	3451.13	3297.22	3097.65

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2935.55	2768.17	2555.15	2396.55	2245.57	2056.54	1911.40	1763.34	1568.46
45.0	3147.98	2944.91	2775.78	2603.72	2443.96	2294.14	2103.36	1956.47	1770.36
90.0	2936.72	2764.08	2596.12	2434.01	2236.20	2085.80	1938.32	1790.26	1637.52
135.0	3189.53	3029.18	2817.92	2649.96	2486.09	2332.18	2137.89	1987.48	1839.42
180.0	3476.88	3325.31	3162.61	2949.01	2778.71	2608.99	2442.20	2247.91	2102.19
225.0	3286.10	3125.16	2956.62	2783.97	2573.88	2402.41	2250.83	2065.90	1924.28
270.0	3441.77	3289.61	3122.23	2908.04	2734.81	2564.51	2398.31	2201.67	2054.20
315.0	3232.26	3067.81	2859.47	2689.17	2517.70	2321.06	2172.41	2024.94	1879.80
360.0	2935.55	2768.17	2555.15	2396.55	2245.57	2056.54	1911.40	1763.34	1568.46

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1149.26	1149.26	1115.26	943.27	811.18	681.67	556.43	412.06	311.63
45.0	1614.11	1461.95	1272.34	1127.20	989.09	851.56	686.53	563.04	448.34
90.0	1329.69	1151.72	1151.72	970.19	829.44	694.60	542.62	431.54	308.12
135.0	1688.43	1489.46	1337.88	1192.16	1013.08	867.95	703.50	577.68	462.39
180.0	1961.73	1781.48	1629.91	1475.41	1284.04	1134.22	991.43	811.77	678.92
225.0	1742.27	1588.94	1317.40	1131.12	1094.14	950.35	811.18	677.63	523.95
270.0	1916.67	1769.19	1573.73	1419.81	1269.41	1121.93	943.44	806.50	642.64
315.0	1694.87	1539.20	1158.34	1158.34	1048.08	909.79	774.84	616.24	498.79
360.0	1149.26	1149.26	1115.26	943.27	811.18	681.67	556.43	412.06	311.63

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	208.69	143.32	104.05	86.85	77.31	69.70	61.57	57.00	53.26
45.0	343.00	296.77	296.77	113.77	88.84	79.30	69.52	63.03	58.41
90.0	225.60	159.77	114.06	92.70	82.58	73.97	66.19	59.63	55.54
135.0	333.05	309.64	309.64	119.44	94.51	84.62	75.61	68.59	61.86
180.0	557.19	444.83	322.52	300.86	300.86	121.90	97.15	86.15	77.13
225.0	413.34	316.55	234.32	153.39	114.70	94.63	84.62	76.25	65.19
270.0	522.08	410.30	312.57	312.57	146.07	108.79	89.83	79.36	71.40
315.0	388.59	272.01	196.17	125.24	98.20	86.20	76.55	69.12	61.57
360.0	208.69	143.32	104.05	86.85	77.31	69.70	61.57	57.00	53.26

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	50.10	46.94	44.65	42.66	40.73	38.57	36.93	35.52	33.88
45.0	54.66	50.62	47.93	45.59	43.48	40.91	39.15	37.51	35.99
90.0	52.20	49.39	46.47	44.24	41.73	39.80	37.98	36.05	34.70
135.0	56.71	53.08	49.33	46.94	44.71	42.08	40.15	38.33	36.75
180.0	67.24	61.27	57.06	52.67	49.74	47.23	44.95	42.19	40.20
225.0	60.10	56.30	52.03	49.33	46.99	44.71	42.60	40.20	38.39
270.0	64.73	58.64	54.60	51.15	47.75	45.47	43.19	40.67	38.86
315.0	57.18	53.37	50.15	46.88	44.65	42.66	40.26	38.39	36.34
360.0	50.10	46.94	44.65	42.66	40.73	38.57	36.93	35.52	33.88

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.71	31.37	30.26	29.09	27.97	26.57	25.40	24.17	23.17
45.0	34.41	33.24	31.78	30.67	29.55	28.09	26.86	25.57	24.23
90.0	33.47	32.07	30.84	29.61	28.44	27.04	25.81	24.64	23.64
135.0	34.94	33.65	32.48	31.31	29.79	28.62	27.39	25.87	24.58
180.0	38.33	36.64	34.70	33.36	31.89	30.67	29.20	28.09	26.86
225.0	36.75	34.94	33.71	32.54	30.96	29.73	28.62	27.04	25.87
270.0	36.87	35.35	34.00	32.77	31.43	30.31	29.14	28.09	26.57
315.0	34.94	33.59	32.25	31.13	29.96	28.85	27.51	26.34	25.11
360.0	32.71	31.37	30.26	29.09	27.97	26.57	25.40	24.17	23.17

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.00	21.13	20.48	19.72	18.84	18.61	18.55	18.67	18.73
45.0	23.17	22.24	21.36	20.60	19.66	19.08	18.84	18.79	18.90
90.0	22.30	21.36	20.48	19.72	18.96	18.61	18.55	18.67	18.79
135.0	23.53	22.24	21.24	20.31	19.61	18.84	18.43	18.32	18.38
180.0	25.69	24.17	23.06	21.95	21.01	20.19	19.55	18.84	18.43
225.0	24.64	23.29	22.30	21.36	20.60	19.78	19.08	18.73	18.67
270.0	25.40	24.17	23.12	21.95	21.01	20.13	19.49	18.96	18.55
315.0	23.88	22.65	21.65	20.83	19.90	19.25	18.61	18.38	18.38
360.0	22.00	21.13	20.48	19.72	18.84	18.61	18.55	18.67	18.73

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.90	18.90	18.90	18.79	18.67	18.55	18.20	17.73	17.03
45.0	19.02	19.20	19.31	19.31	19.25	19.20	18.96	18.55	18.08
90.0	18.96	19.08	19.08	19.08	18.90	18.79	18.55	17.97	17.32
135.0	18.55	18.79	18.90	18.96	18.96	18.90	18.73	18.49	17.97
180.0	18.32	18.43	18.55	18.73	18.73	18.73	18.61	18.49	18.38
225.0	18.73	18.96	19.08	19.08	19.02	18.90	18.79	18.55	18.26
270.0	18.49	18.61	18.67	18.79	18.84	18.84	18.84	18.67	18.43
315.0	18.49	18.61	18.73	18.79	18.79	18.67	18.55	18.38	18.08
360.0	18.90	18.90	18.90	18.79	18.67	18.55	18.20	17.73	17.03

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	16.21	14.86	13.81	12.87	12.29	12.06	11.82	11.70	11.70
45.0	17.32	16.21	14.81	13.64	12.76	12.23	12.06	11.76	11.76
90.0	16.50	15.16	13.93	12.93	12.29	12.00	11.82	11.70	11.70
135.0	17.50	16.85	15.27	14.22	12.99	12.29	12.00	11.82	11.65
180.0	18.02	17.50	16.85	15.98	14.92	13.81	12.99	12.47	12.11
225.0	17.79	16.80	16.33	15.27	14.16	13.34	12.93	12.47	11.94
270.0	18.14	17.62	16.91	15.98	14.69	13.81	12.99	12.58	12.00
315.0	17.79	17.09	16.15	14.81	13.81	12.76	12.17	11.94	11.76
360.0	16.21	14.86	13.81	12.87	12.29	12.06	11.82	11.70	11.70

Intensity data(cd)

C/γ(°)	90.0
0.0	11.70
45.0	11.70
90.0	11.70
135.0	11.70
180.0	11.82
225.0	11.76
270.0	11.76
315.0	11.65
360.0	11.70