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NT

Client:
LumCAT: 2-2751-L
Luminaire: 92.70.412.00
Report No: 2024813-B020
Ballast type: AC

Test No: 2024813-C020	Voltage(V): 35.100
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.702
Lamp flux(lm): 4107.0	Power (W): 24.640
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3891.06, Efficiency(%): 94.74% , Luminous Efficacy(lm/W): 157.92
Central intensity(cd): 18967.730, Maximum intensity(cd): 18967.730
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=18.2
[C90/270]Total=18.2
Field angle(10%Imax): [C0/180]Total=48.6
[C90/270]Total=48.6
Maximum s/h(1/2): C0_180=0.31 C90_270=0.31
Maximum s/h(1/4): C0_180=0.35 C90_270=0.35
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.74%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.953%

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

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	18967.727	0.000	0	0.00%	0.00%
1.0	18833.857	18.087	18.087	0.44%	0.46%
2.0	18463.701	53.533	71.62	1.30%	1.84%
3.0	17864.578	86.885	158.506	2.12%	4.07%
4.0	16996.982	116.693	275.198	2.84%	7.07%
5.0	15164.072	138.355	413.554	3.37%	10.63%
6.0	13770.586	152.059	565.613	3.70%	14.54%
7.0	12590.267	163.621	729.234	3.98%	18.74%
8.0	11146.883	169.882	899.117	4.14%	23.11%
9.0	9659.826	168.627	1067.744	4.11%	27.44%
10.0	8304.738	162.573	1230.316	3.96%	31.62%
11.0	7261.501	155.539	1385.855	3.79%	35.62%
12.0	6337.870	148.661	1534.516	3.62%	39.44%
13.0	5654.327	142.317	1676.833	3.47%	43.09%
14.0	5063.396	137.186	1814.019	3.34%	46.62%
15.0	4557.103	132.074	1946.093	3.22%	50.01%
16.0	4077.658	126.523	2072.617	3.08%	53.27%
17.0	3689.800	120.960	2193.577	2.95%	56.37%
18.0	3323.741	115.638	2309.215	2.82%	59.35%
19.0	3017.742	110.329	2419.544	2.69%	62.18%
20.0	2798.575	106.455	2525.998	2.59%	64.92%
21.0	2625.575	104.155	2630.153	2.54%	67.59%
22.0	2391.200	100.814	2730.967	2.45%	70.19%
23.0	2115.940	94.572	2825.539	2.30%	72.62%
24.0	1946.444	88.818	2914.358	2.16%	74.90%
25.0	1801.162	85.212	2999.57	2.07%	77.09%
26.0	1676.436	82.089	3081.659	2.00%	79.20%
27.0	1517.664	78.144	3159.803	1.90%	81.21%
28.0	1383.918	73.462	3233.265	1.79%	83.09%
29.0	1273.340	69.521	3302.787	1.69%	84.88%
30.0	1150.896	65.454	3368.241	1.59%	86.56%
31.0	1022.798	60.491	3428.731	1.47%	88.12%
32.0	885.050	54.658	3483.389	1.33%	89.52%
33.0	744.260	48.000	3531.389	1.17%	90.76%
34.0	619.570	41.274	3572.663	1.00%	91.82%
35.0	498.348	34.718	3607.381	0.85%	92.71%
36.0	392.357	28.360	3635.741	0.69%	93.44%
37.0	297.733	22.507	3658.248	0.55%	94.02%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	239.379	17.928	3676.176	0.44%	94.48%
39.0	183.885	14.447	3690.623	0.35%	94.85%
40.0	147.038	11.541	3702.165	0.28%	95.15%
41.0	104.711	8.965	3711.129	0.22%	95.38%
42.0	95.582	7.277	3718.406	0.18%	95.56%
43.0	87.623	6.786	3725.193	0.17%	95.74%
44.0	80.863	6.359	3731.552	0.15%	95.90%
45.0	75.428	6.006	3737.559	0.15%	96.06%
46.0	71.054	5.729	3743.287	0.14%	96.20%
47.0	66.964	5.489	3748.776	0.13%	96.34%
48.0	63.833	5.288	3754.064	0.13%	96.48%
49.0	60.556	5.108	3759.172	0.12%	96.61%
50.0	58.040	4.945	3764.117	0.12%	96.74%
51.0	56.028	4.826	3768.943	0.12%	96.86%
52.0	54.499	4.743	3773.686	0.12%	96.98%
53.0	53.351	4.691	3778.377	0.11%	97.10%
54.0	52.429	4.662	3783.039	0.11%	97.22%
55.0	51.931	4.658	3787.698	0.11%	97.34%
56.0	51.756	4.685	3792.383	0.11%	97.46%
57.0	51.639	4.727	3797.111	0.12%	97.59%
58.0	51.383	4.764	3801.875	0.12%	97.71%
59.0	50.834	4.779	3806.653	0.12%	97.83%
60.0	49.473	4.739	3811.392	0.12%	97.95%
61.0	47.659	4.635	3816.028	0.11%	98.07%
62.0	45.201	4.475	3820.502	0.11%	98.19%
63.0	42.085	4.245	3824.747	0.10%	98.30%
64.0	38.698	3.964	3828.711	0.10%	98.40%
65.0	35.282	3.661	3832.373	0.09%	98.49%
66.0	31.909	3.352	3835.725	0.08%	98.58%
67.0	29.422	3.084	3838.809	0.08%	98.66%
68.0	27.571	2.887	3841.696	0.07%	98.73%
69.0	26.350	2.751	3844.447	0.07%	98.80%
70.0	25.428	2.659	3847.106	0.06%	98.87%
71.0	24.704	2.591	3849.697	0.06%	98.94%
72.0	24.111	2.538	3852.235	0.06%	99.00%
73.0	23.555	2.493	3854.728	0.06%	99.07%
74.0	23.051	2.450	3857.178	0.06%	99.13%
75.0	22.597	2.412	3859.59	0.06%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.143	2.375	3861.965	0.06%	99.25%
77.0	21.705	2.338	3864.303	0.06%	99.31%
78.0	21.273	2.301	3866.603	0.06%	99.37%
79.0	20.849	2.263	3868.867	0.06%	99.43%
80.0	20.395	2.224	3871.09	0.05%	99.49%
81.0	19.934	2.181	3873.271	0.05%	99.54%
82.0	19.437	2.135	3875.406	0.05%	99.60%
83.0	18.991	2.089	3877.495	0.05%	99.65%
84.0	18.552	2.045	3879.54	0.05%	99.70%
85.0	18.171	2.004	3881.545	0.05%	99.76%
86.0	17.798	1.966	3883.511	0.05%	99.81%
87.0	17.440	1.929	3885.439	0.05%	99.86%
88.0	17.176	1.896	3887.335	0.05%	99.90%
89.0	16.964	1.871	3889.207	0.05%	99.95%
90.0	16.781	1.850	3891.057	0.05%	100.00%

Zonal flux distribution table

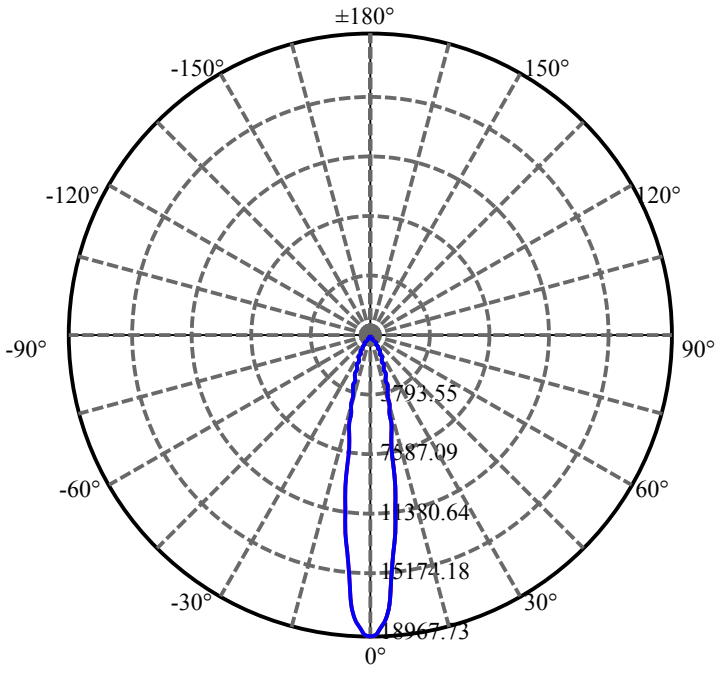
ZONAL LUMEN SUMMARY

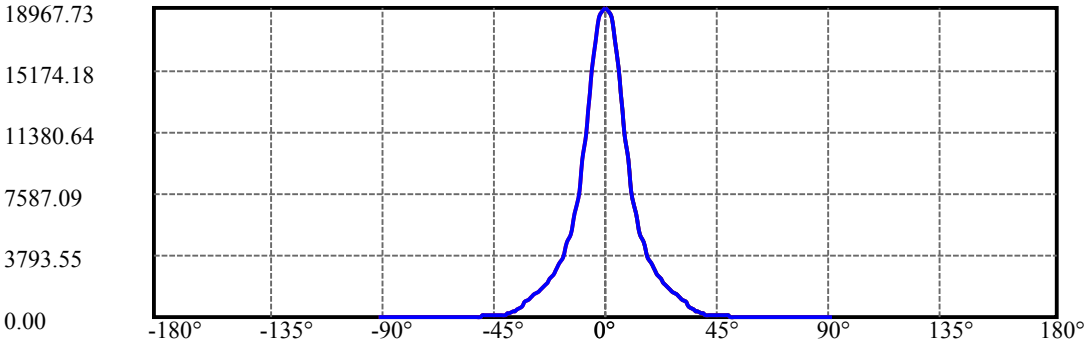
Zone	Lumens	%Lamp	%Fixt
0-30	3368.24	82.01%	86.56%
0-40	3702.16	90.14%	95.15%
0-60	3811.39	92.80%	97.95%
0-90	3889.21	94.70%	99.95%
0-120	3889.21	94.70%	99.95%
0-180	3891.06	94.74%	100.00%
60-90	77.81	1.89%	2.00%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.40	3112.85	75.79%	80.00%

ZONAL LUMEN SUMMARY

0-10	1230.32
10-20	1295.68
20-30	842.24
30-40	333.92
40-50	61.95
50-60	47.28
60-70	35.71
70-80	23.98
80-90	18.12
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):

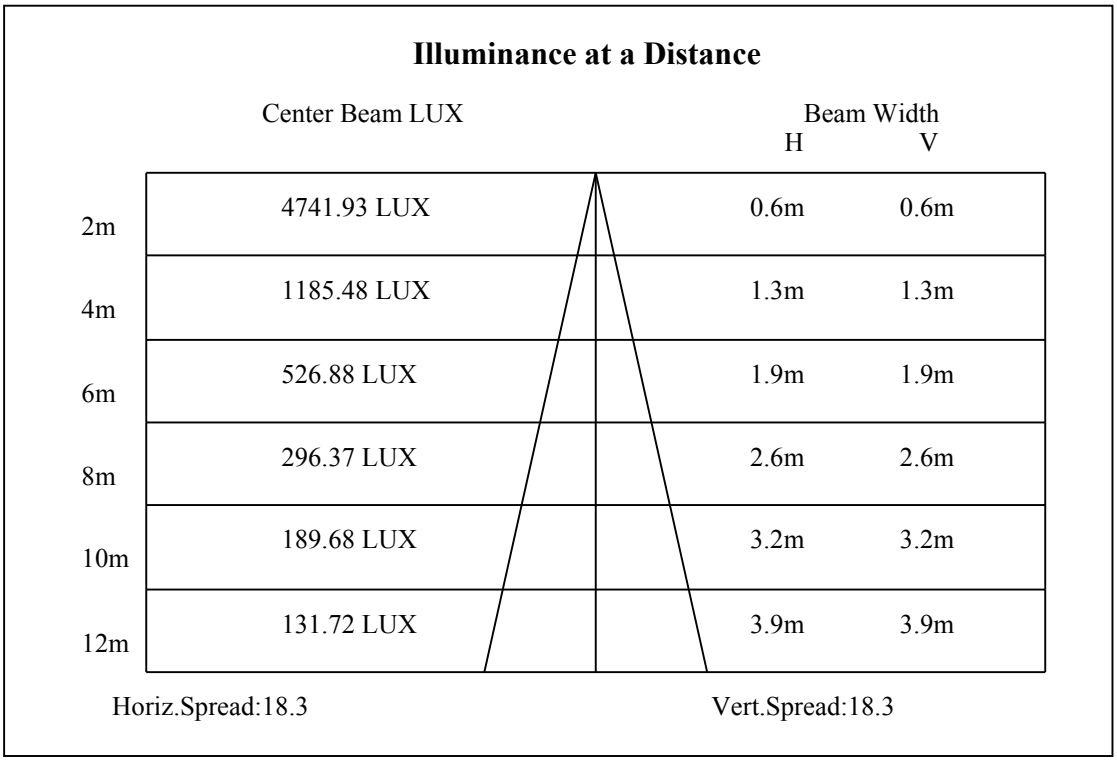
C0/C180:

C90/C270:

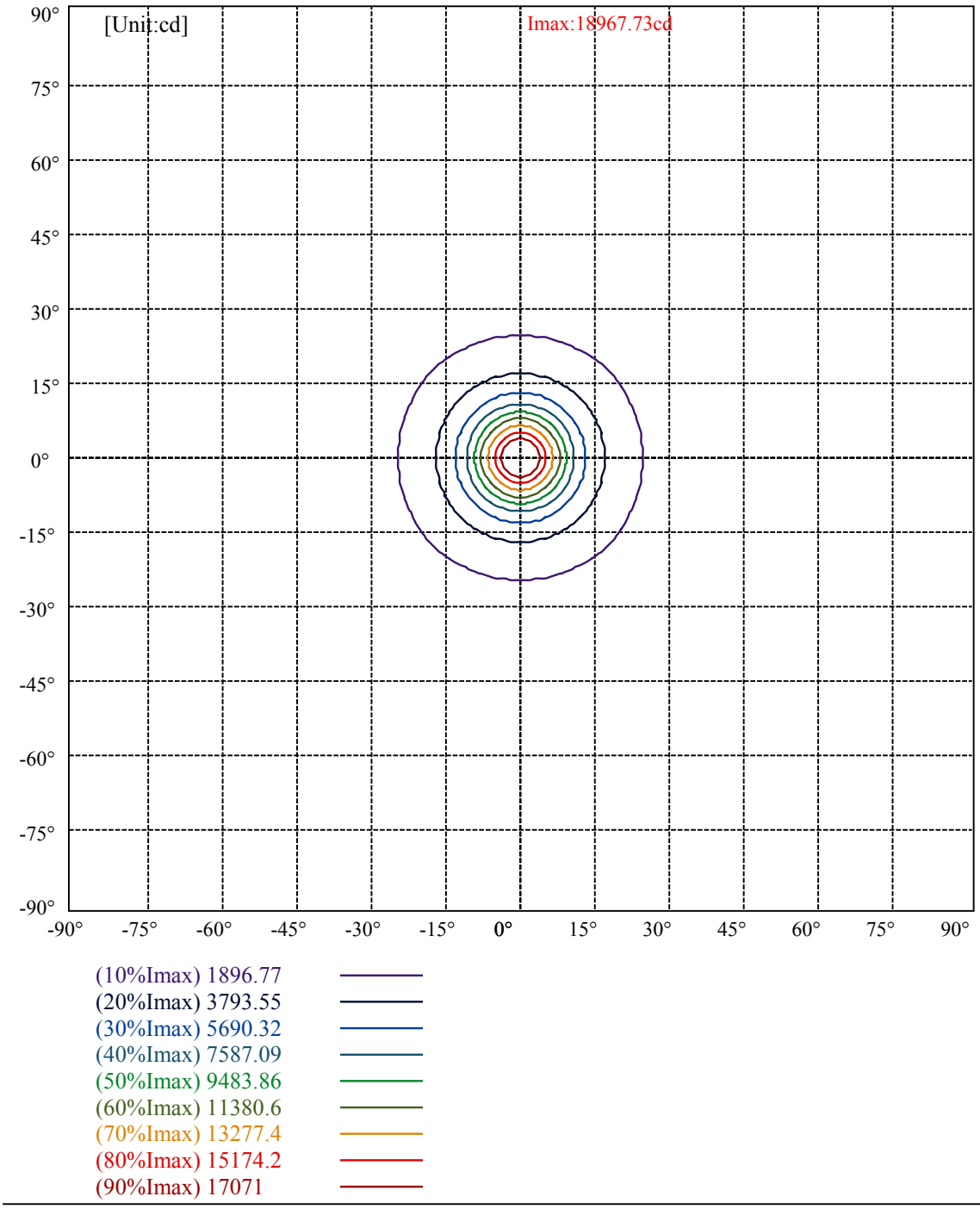
Field angle(10%Imax):C0/180Left:24.3 Right:24.3
:C90/270Left:24.3 Right:24.3

Beam Angle(50%Imax):C0/180Left:9.1 Right:9.1
:C90/270Left:9.1 Right:9.1

Lux distance Curve



ISO-Intensity(V-H)



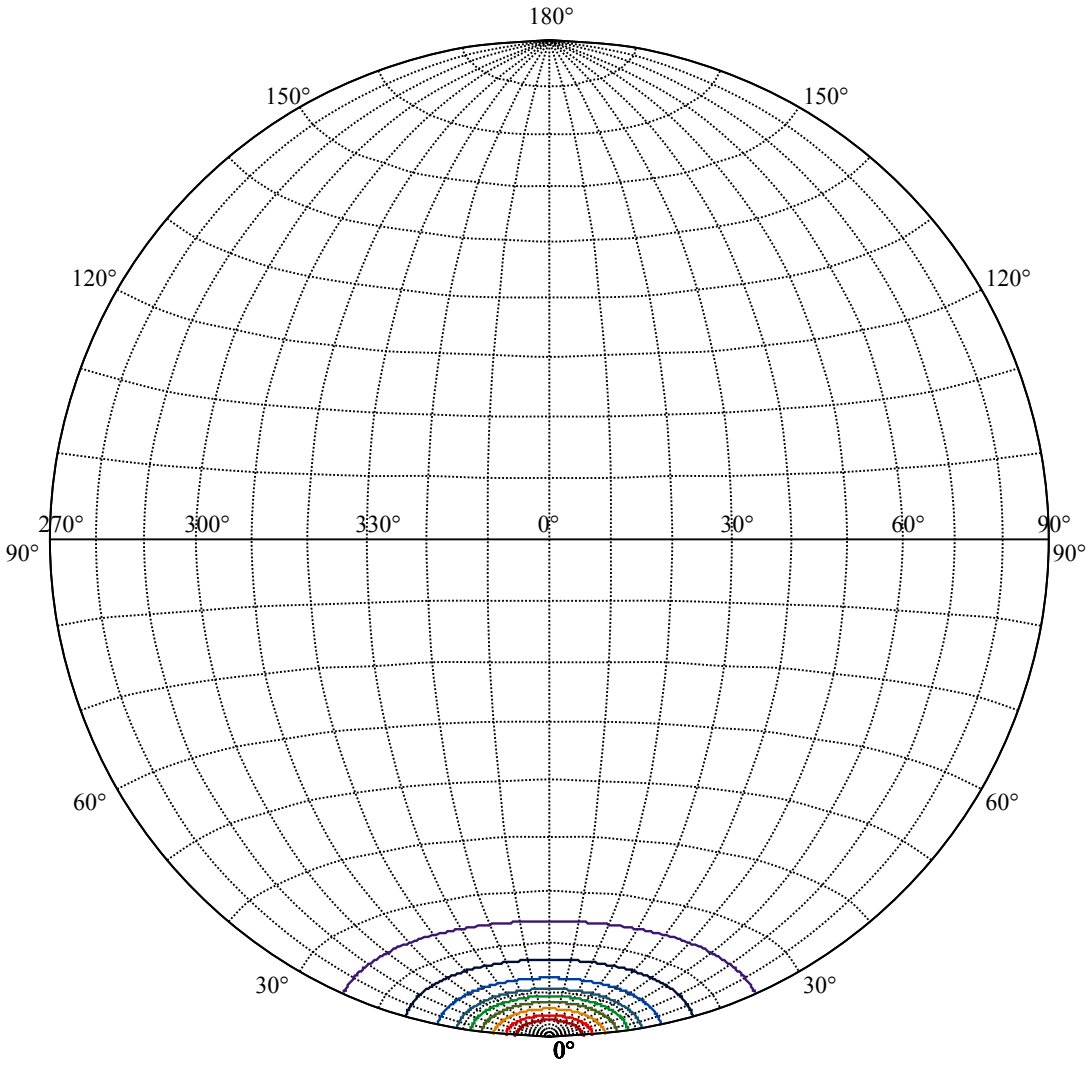
(10%Imax) 1896.77
(20%Imax) 3793.55
(30%Imax) 5690.32
(40%Imax) 7587.09
(50%Imax) 9483.86
(60%Imax) 11380.6
(70%Imax) 13277.4
(80%Imax) 15174.2
(90%Imax) 17071

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



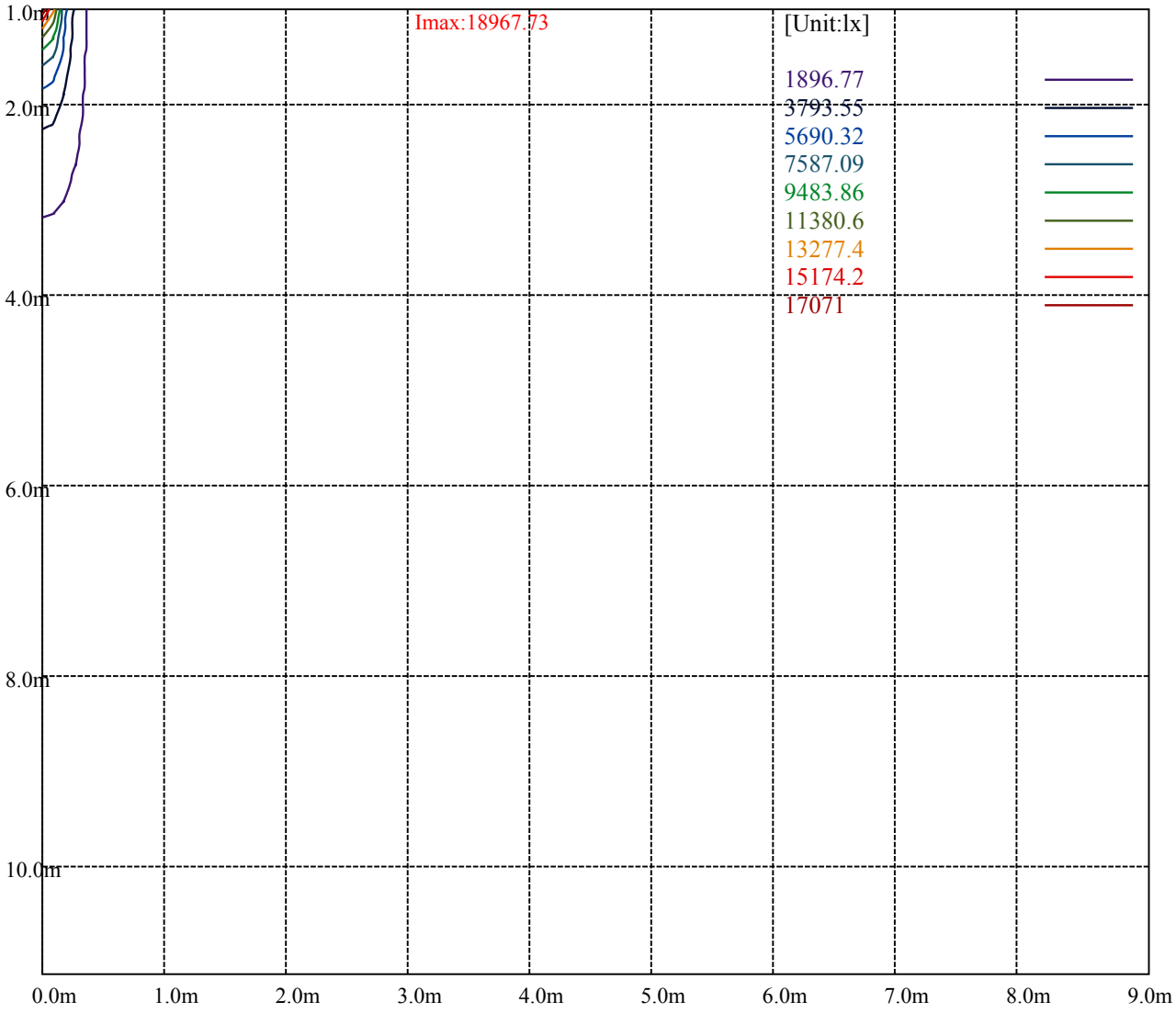
[Unit:cd]

Imax:18967.73

(10%Imax) 1896.77
(20%Imax) 3793.55
(30%Imax) 5690.32
(40%Imax) 7587.09
(50%Imax) 9483.86
(60%Imax) 11380.6
(70%Imax) 13277.4
(80%Imax) 15174.2
(90%Imax) 17071

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

Luminance Limitting Curve(no luminous side)

Luminance Table

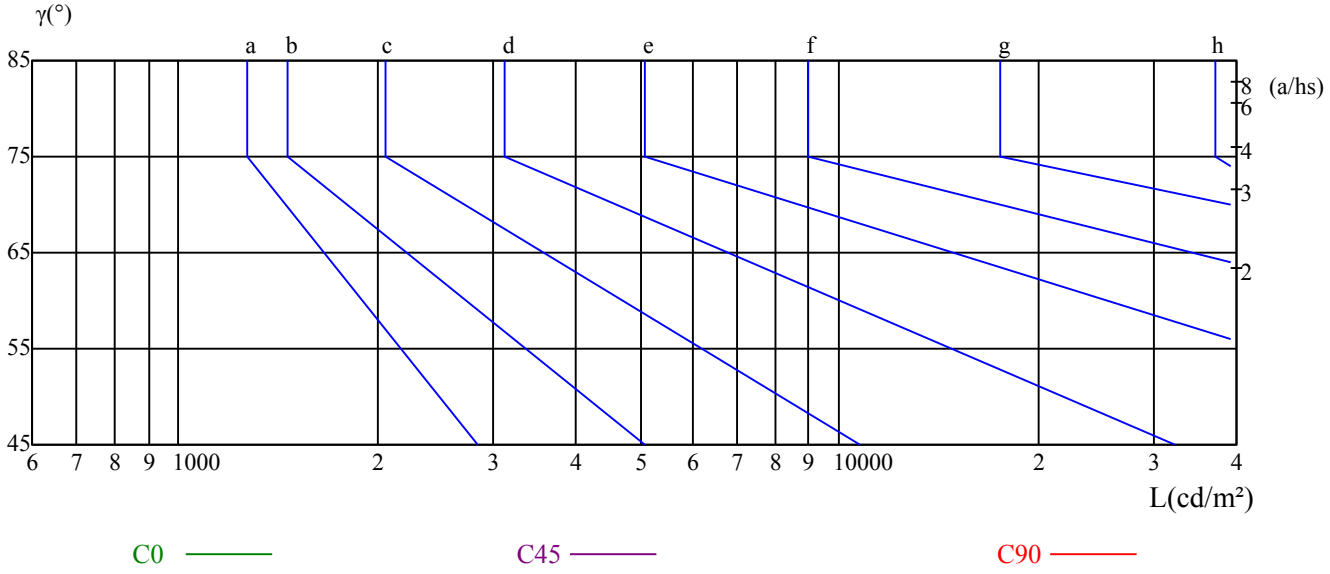
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

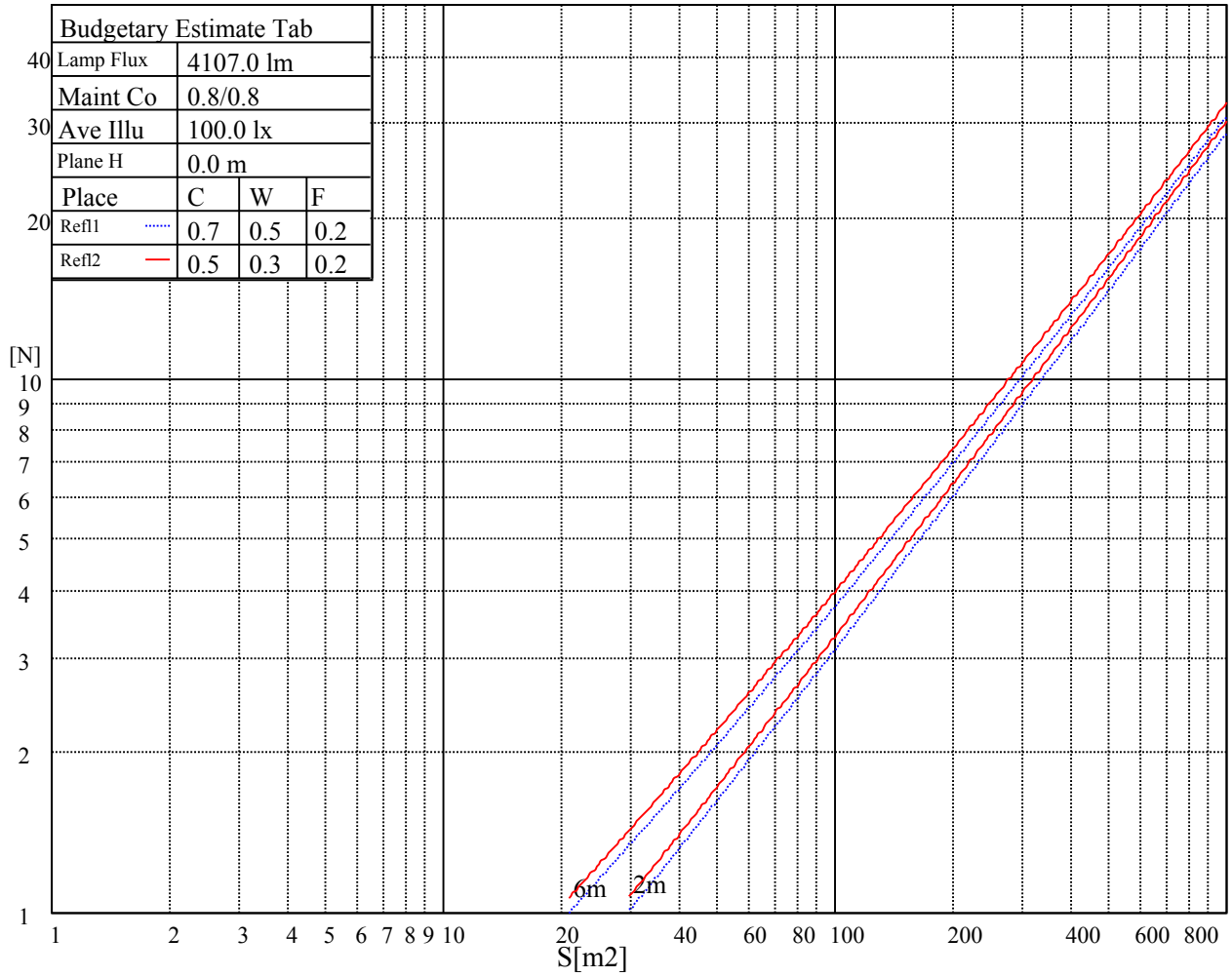
Luminance Limitting Curve



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

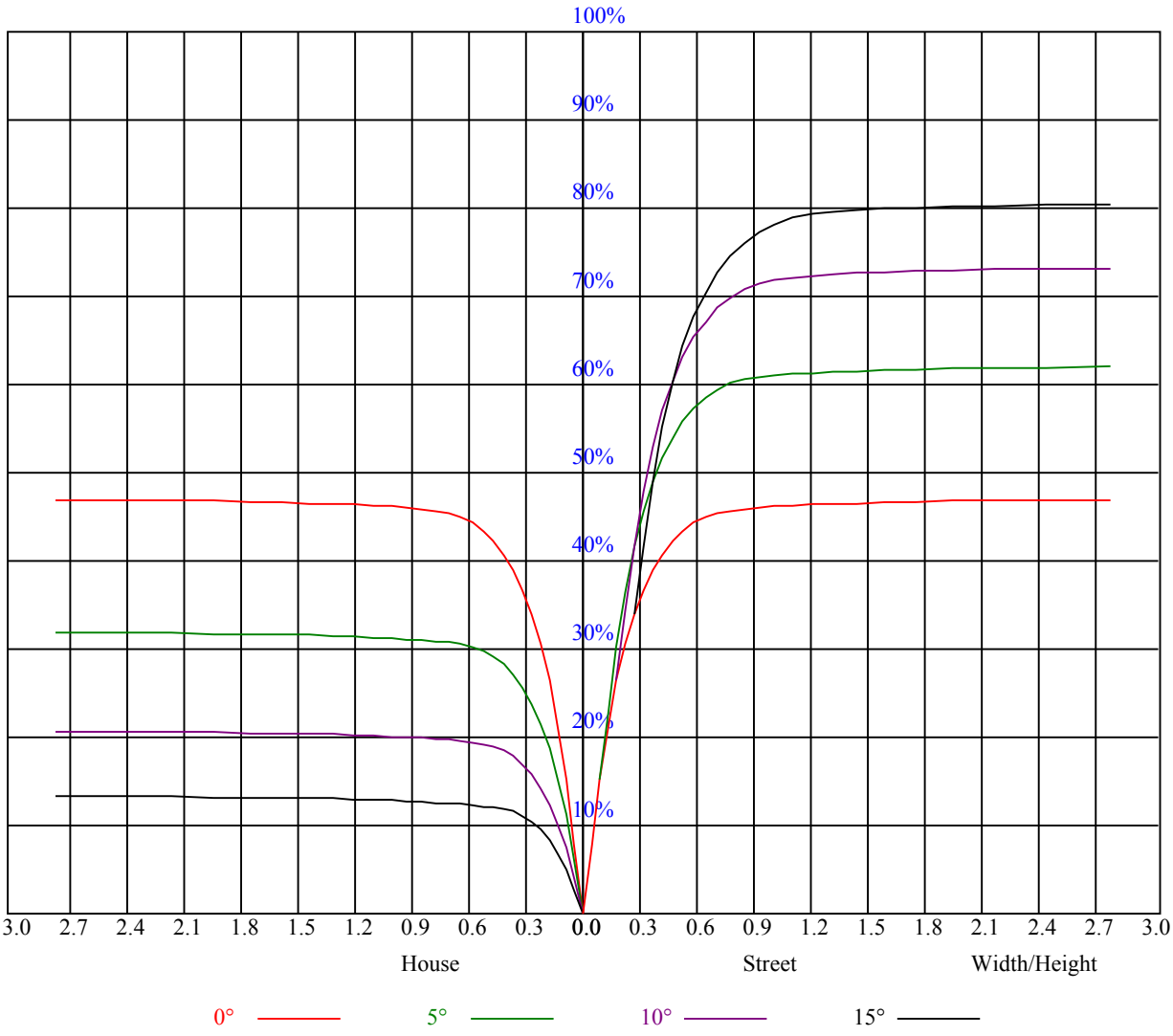


Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

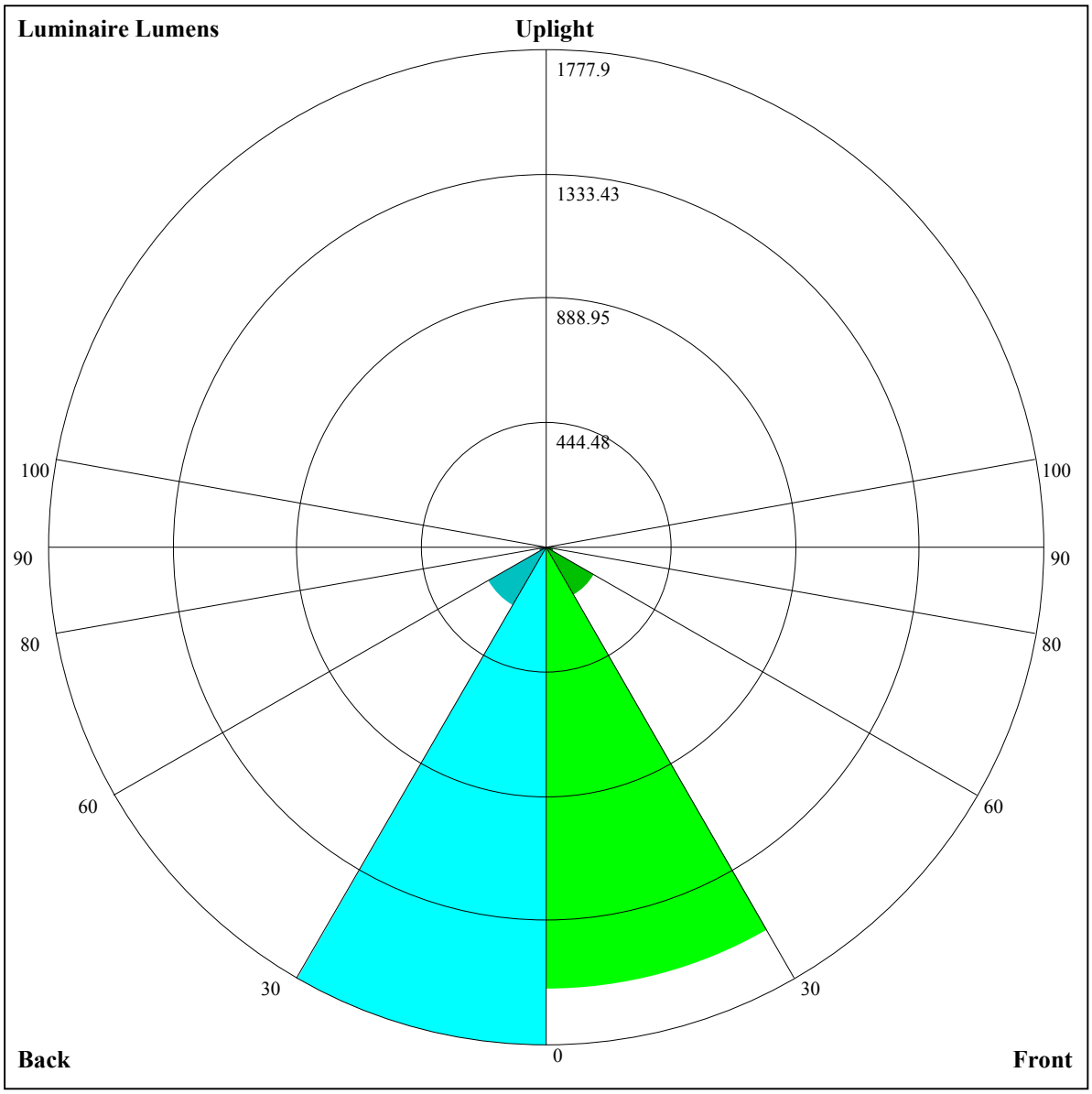
Utilization factor table for indoor luminaire

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	1.13	1.13	1.13	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.06	1.04	1.02	1.04	1.02	1.00	1.00	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.92	0.90
2	1.00	0.97	0.94	0.98	0.95	0.93	0.95	0.93	0.91	0.93	0.91	0.89	0.90	0.89	0.87	0.86
3	0.95	0.91	0.88	0.94	0.90	0.87	0.91	0.88	0.86	0.89	0.87	0.85	0.87	0.85	0.83	0.82
4	0.90	0.86	0.83	0.89	0.86	0.82	0.88	0.84	0.81	0.86	0.83	0.81	0.84	0.82	0.80	0.78
5	0.87	0.82	0.79	0.86	0.82	0.78	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.76	0.75
6	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.74	0.72
7	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.70
8	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.67
9	0.74	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
10	0.72	0.67	0.65	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.63

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=1580.88,FM=199.3,FH=28.93,FVH=9.84
BL=1777.9,BM=244.8,BH=30.72,BVH=10.09
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	18882.87	18391.28	17729.98	16852.14	15664.13	11490.37	11490.37	10739.52	9024.23
45.0	19064.29	18947.24	18648.78	18104.52	17062.82	15991.86	14540.50	12620.96	11093.53
90.0	19040.88	18812.64	18233.27	17513.44	16553.67	15313.00	11474.57	11474.57	10374.34
135.0	18882.87	19070.14	19017.47	18713.15	17999.18	17232.54	16126.46	14815.56	12925.28
180.0	18882.87	19058.44	19029.18	18666.34	18151.34	17454.92	16489.30	15260.33	13381.75
225.0	19064.29	18882.87	18520.03	17952.36	17244.24	15886.52	13358.35	11325.33	11325.33
270.0	19040.88	18999.91	18795.09	18256.68	17583.67	16424.92	15166.69	13721.19	11766.53
315.0	18882.87	18508.33	17735.83	16857.99	15716.80	11518.46	11518.46	10764.69	9284.07
360.0	18882.87	18391.28	17729.98	16852.14	15664.13	11490.37	11490.37	10739.52	9024.23

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7870.16	6754.73	6033.14	5432.70	4916.53	4448.35	3955.59	3592.75	3271.47
45.0	9326.15	8138.14	7149.11	6183.49	5563.15	5007.19	4533.15	4018.15	3649.46
90.0	9009.60	7587.50	6711.42	5818.37	5245.43	4733.36	4189.10	3785.29	3452.89
135.0	11427.10	9993.30	8711.66	7406.61	6575.59	5914.28	5311.50	4673.61	4211.28
180.0	11813.35	10005.01	8676.55	7588.03	6540.47	5855.76	5305.65	4796.50	4246.39
225.0	9504.11	8236.52	7002.28	6236.80	5610.61	4930.58	4468.25	4057.42	3682.88
270.0	10285.91	8875.52	7722.63	6575.59	5867.47	5270.54	4761.39	4187.87	3807.47
315.0	8042.22	6847.19	6085.23	5461.38	4915.36	4347.11	3932.19	3509.65	3196.56
360.0	7870.16	6754.73	6033.14	5432.70	4916.53	4448.35	3955.59	3592.75	3271.47

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2927.94	2686.24	2474.39	2236.20	2060.64	1902.62	1742.27	1628.15	1522.81
45.0	3321.74	3040.83	2970.60	2703.80	2322.82	2151.35	1955.30	1814.26	1667.36
90.0	3088.88	2820.84	2580.90	2376.66	2144.32	1977.53	1833.57	1710.67	1576.07
135.0	3731.39	3397.82	3093.50	2953.05	2953.05	2337.45	2119.74	1967.58	1831.81
180.0	3854.29	3497.30	3093.50	2964.75	2964.75	2405.92	2192.90	2033.72	1895.02
225.0	3283.17	2999.92	2748.28	2532.33	2294.14	2133.20	1985.73	1821.86	1701.31
270.0	3456.34	3070.09	2999.86	2999.86	2316.96	2132.03	1985.73	1792.60	1673.80
315.0	2926.18	2628.89	2427.57	2237.96	2072.93	1887.41	1756.32	1640.44	1543.30
360.0	2927.94	2686.24	2474.39	2236.20	2060.64	1902.62	1742.27	1628.15	1522.81

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1166.76	1166.76	1101.22	932.32	799.48	675.88	558.66	423.18	327.73
45.0	1562.61	1447.91	1285.21	1152.95	1018.94	881.99	722.23	596.40	484.62
90.0	1477.75	1160.27	1160.27	1053.52	924.54	764.77	642.75	525.18	390.11
135.0	1715.94	1580.17	1478.92	1358.37	1225.52	1064.58	936.42	810.60	654.34
180.0	1742.27	1645.71	1545.64	1388.21	1247.76	1117.25	950.46	816.45	697.65
225.0	1598.89	1471.31	1149.67	1149.67	1053.58	915.94	786.66	661.07	516.75
270.0	1565.54	1460.19	1326.76	1203.28	1074.53	950.46	793.04	667.22	556.61
315.0	1311.55	1139.02	1139.02	968.84	838.04	709.53	563.86	456.48	358.98
360.0	1166.76	1166.76	1101.22	932.32	799.48	675.88	558.66	423.18	327.73

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	244.92	178.61	125.12	107.33	98.32	88.60	82.63	76.02	71.28
45.0	379.28	309.06	309.06	133.37	104.70	96.09	88.25	80.82	75.44
90.0	297.06	220.75	159.88	120.73	103.00	94.86	87.96	81.58	76.55
135.0	540.81	409.72	313.74	313.74	214.02	126.06	114.41	104.58	95.80
180.0	585.28	436.05	335.39	312.57	312.57	124.77	112.95	103.35	92.41
225.0	407.14	309.53	226.83	149.88	117.34	106.51	94.75	85.03	77.78
270.0	431.37	331.88	310.81	228.35	128.98	110.26	99.55	92.00	84.62
315.0	252.99	186.28	134.19	105.11	97.38	90.53	84.16	77.60	73.04
360.0	244.92	178.61	125.12	107.33	98.32	88.60	82.63	76.02	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	67.24	63.67	60.04	57.59	55.25	53.43	52.20	51.50	50.91
45.0	70.46	65.49	61.74	58.99	56.47	53.78	52.14	51.03	50.39
90.0	71.81	67.30	64.37	61.51	58.64	56.24	54.54	53.31	52.49
135.0	86.61	80.94	76.02	71.63	67.13	63.73	60.86	58.11	56.24
180.0	86.26	81.29	75.67	72.04	68.06	65.02	62.15	59.81	58.05
225.0	73.33	69.47	65.25	62.27	59.46	57.06	55.01	53.55	52.61
270.0	78.42	74.09	70.17	66.95	62.68	59.93	57.53	55.65	53.72
315.0	69.29	66.19	62.44	59.69	56.77	55.13	53.78	53.02	52.38
360.0	67.24	63.67	60.04	57.59	55.25	53.43	52.20	51.50	50.91

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	50.68	50.86	50.97	50.74	50.15	48.92	46.35	44.18	40.73
45.0	49.57	49.33	49.74	49.80	49.74	49.80	48.57	46.82	44.71
90.0	51.85	51.79	51.97	51.56	51.15	50.80	49.10	47.11	44.18
135.0	55.07	53.72	52.73	52.67	52.55	52.09	51.62	50.39	48.46
180.0	56.12	54.78	54.19	53.96	53.67	53.14	53.20	51.85	50.21
225.0	51.56	51.03	51.15	51.15	50.97	50.86	49.86	47.75	45.82
270.0	52.73	51.79	51.15	51.27	51.32	51.09	49.86	47.99	45.41
315.0	51.85	52.14	52.14	51.97	51.50	49.98	47.23	45.18	42.08
360.0	50.68	50.86	50.97	50.74	50.15	48.92	46.35	44.18	40.73

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	37.40	33.77	30.55	28.79	27.51	26.16	25.40	24.64	24.11
45.0	41.84	38.45	35.52	31.02	28.62	27.04	25.75	24.76	24.17
90.0	40.50	37.40	33.18	30.20	28.32	26.80	25.63	24.93	24.29
135.0	46.29	43.54	40.15	35.93	32.66	29.32	27.86	26.57	25.46
180.0	47.75	44.65	40.85	37.40	33.01	30.55	29.03	27.74	26.69
225.0	42.78	38.22	35.17	31.66	29.03	27.21	25.98	25.16	24.52
270.0	42.78	39.15	35.93	32.13	29.44	27.80	26.34	25.40	24.70
315.0	37.34	34.41	30.90	28.15	26.80	25.69	24.81	24.23	23.70
360.0	37.40	33.77	30.55	28.79	27.51	26.16	25.40	24.64	24.11

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	23.64	23.12	22.65	22.24	21.83	21.42	21.01	20.60	20.13
45.0	23.58	23.00	22.59	22.18	21.65	21.30	20.89	20.42	20.01
90.0	23.82	23.17	22.77	22.36	21.83	21.42	20.89	20.37	19.90
135.0	24.81	24.17	23.53	23.12	22.59	22.12	21.65	21.30	20.89
180.0	25.98	25.40	24.76	24.23	23.70	23.12	22.65	22.24	21.71
225.0	23.82	23.29	22.88	22.30	21.89	21.42	21.07	20.66	20.31
270.0	23.99	23.53	22.94	22.47	22.12	21.77	21.30	20.95	20.48
315.0	23.23	22.77	22.30	21.89	21.54	21.07	20.72	20.25	19.72
360.0	23.64	23.12	22.65	22.24	21.83	21.42	21.01	20.60	20.13

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	19.61	19.14	18.73	18.38	18.02	17.62	17.26	16.97	16.68
45.0	19.61	19.08	18.67	18.20	17.91	17.62	17.26	16.97	16.68
90.0	19.37	18.96	18.43	18.08	17.67	17.44	17.09	16.85	16.62
135.0	20.42	19.84	19.37	18.84	18.43	18.02	17.67	17.38	17.09
180.0	21.30	20.83	20.31	19.90	19.49	18.96	18.43	18.32	18.08
225.0	19.78	19.31	18.96	18.49	18.08	17.67	17.44	17.15	17.03
270.0	20.07	19.49	19.02	18.49	18.08	17.67	17.32	17.03	16.85
315.0	19.31	18.84	18.43	18.02	17.67	17.38	17.03	16.74	16.68
360.0	19.61	19.14	18.73	18.38	18.02	17.62	17.26	16.97	16.68

Intensity data(cd)

C/γ(°)	90.0
0.0	16.74
45.0	16.62
90.0	16.62
135.0	16.91
180.0	17.15
225.0	16.85
270.0	16.68
315.0	16.68
360.0	16.74