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NT

Client:
LumCAT: 2-2519-L
Luminaire: 92.70.412.00
Report No: 2024813-B027
Ballast type: AC

Test No: 2024813-C027	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): 3739.36, Efficiency(%): 91.05% , Luminous Efficacy(lm/W): 151.85
Central intensity(cd): 12492.210, Maximum intensity(cd): 12492.210
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=26.0
[C90/270]Total=26.0
Field angle(10%Imax): [C0/180]Total=56.2
[C90/270]Total=56.2
Maximum s/h(1/2): C0_180=0.43 C90_270=0.43
Maximum s/h(1/4): C0_180=0.47 C90_270=0.47
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.05%
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	12492.213	0.000	0	0.00%	0.00%
1.0	12350.084	11.887	11.887	0.29%	0.32%
2.0	12118.861	35.120	47.007	0.86%	1.26%
3.0	11915.649	57.483	104.489	1.40%	2.79%
4.0	11611.186	78.752	183.241	1.92%	4.90%
5.0	11169.341	98.001	281.242	2.39%	7.52%
6.0	10647.613	114.654	395.896	2.79%	10.59%
7.0	10047.465	128.454	524.35	3.13%	14.02%
8.0	9472.774	139.703	664.052	3.40%	17.76%
9.0	8832.757	148.356	812.409	3.61%	21.73%
10.0	8172.331	153.890	966.299	3.75%	25.84%
11.0	7485.569	156.455	1122.753	3.81%	30.03%
12.0	6829.166	156.481	1279.234	3.81%	34.21%
13.0	6218.337	154.841	1434.075	3.77%	38.35%
14.0	5636.331	151.739	1585.813	3.69%	42.41%
15.0	5129.307	147.796	1733.609	3.60%	46.36%
16.0	4680.586	143.742	1877.351	3.50%	50.21%
17.0	4235.229	138.843	2016.195	3.38%	53.92%
18.0	3844.958	133.225	2149.419	3.24%	57.48%
19.0	3484.825	127.523	2276.943	3.11%	60.89%
20.0	3138.445	121.224	2398.167	2.95%	64.13%
21.0	2891.919	115.795	2513.962	2.82%	67.23%
22.0	2682.774	112.026	2625.988	2.73%	70.23%
23.0	2395.516	106.556	2732.544	2.59%	73.08%
24.0	2119.524	98.715	2831.259	2.40%	75.72%
25.0	1890.262	91.174	2922.433	2.22%	78.15%
26.0	1627.569	83.039	3005.472	2.02%	80.37%
27.0	1449.844	75.290	3080.761	1.83%	82.39%
28.0	1267.517	68.798	3149.559	1.68%	84.23%
29.0	1128.050	62.675	3212.234	1.53%	85.90%
30.0	979.550	56.905	3269.139	1.39%	87.43%
31.0	828.240	50.308	3319.447	1.22%	88.77%
32.0	702.197	43.845	3363.292	1.07%	89.94%
33.0	577.858	37.711	3401.003	0.92%	90.95%
34.0	478.517	31.969	3432.972	0.78%	91.81%
35.0	394.047	27.099	3460.07	0.66%	92.53%
36.0	322.664	22.820	3482.891	0.56%	93.14%
37.0	269.906	19.326	3502.217	0.47%	93.66%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	243.117	17.124	3519.341	0.42%	94.12%
39.0	197.316	15.033	3534.374	0.37%	94.52%
40.0	146.379	11.987	3546.361	0.29%	94.84%
41.0	125.311	9.675	3556.036	0.24%	95.10%
42.0	109.788	8.542	3564.577	0.21%	95.33%
43.0	98.779	7.726	3572.303	0.19%	95.53%
44.0	89.349	7.100	3579.404	0.17%	95.72%
45.0	81.529	6.567	3585.971	0.16%	95.90%
46.0	75.414	6.138	3592.108	0.15%	96.06%
47.0	70.542	5.805	3597.913	0.14%	96.22%
48.0	66.065	5.522	3603.436	0.13%	96.37%
49.0	62.231	5.269	3608.704	0.13%	96.51%
50.0	58.881	5.050	3613.754	0.12%	96.64%
51.0	56.313	4.874	3618.628	0.12%	96.77%
52.0	54.002	4.734	3623.361	0.12%	96.90%
53.0	52.268	4.623	3627.984	0.11%	97.02%
54.0	50.812	4.543	3632.527	0.11%	97.14%
55.0	49.452	4.476	3637.003	0.11%	97.26%
56.0	48.040	4.405	3641.408	0.11%	97.38%
57.0	46.716	4.332	3645.741	0.11%	97.50%
58.0	45.450	4.262	3650.003	0.10%	97.61%
59.0	44.111	4.187	3654.19	0.10%	97.72%
60.0	42.612	4.097	3658.287	0.10%	97.83%
61.0	41.046	3.992	3662.279	0.10%	97.94%
62.0	39.547	3.883	3666.163	0.09%	98.04%
63.0	38.179	3.780	3669.943	0.09%	98.14%
64.0	36.737	3.676	3673.619	0.09%	98.24%
65.0	35.509	3.575	3677.194	0.09%	98.34%
66.0	34.287	3.482	3680.677	0.08%	98.43%
67.0	33.036	3.385	3684.062	0.08%	98.52%
68.0	31.829	3.286	3687.348	0.08%	98.61%
69.0	30.673	3.189	3690.536	0.08%	98.69%
70.0	29.334	3.082	3693.618	0.08%	98.78%
71.0	28.018	2.964	3696.582	0.07%	98.86%
72.0	26.957	2.859	3699.441	0.07%	98.93%
73.0	25.860	2.762	3702.203	0.07%	99.01%
74.0	24.843	2.666	3704.868	0.06%	99.08%
75.0	24.038	2.583	3707.451	0.06%	99.15%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	23.292	2.512	3709.964	0.06%	99.21%
77.0	22.648	2.449	3712.413	0.06%	99.28%
78.0	21.975	2.389	3714.802	0.06%	99.34%
79.0	21.390	2.330	3717.132	0.06%	99.41%
80.0	20.834	2.276	3719.408	0.06%	99.47%
81.0	20.285	2.224	3721.632	0.05%	99.53%
82.0	19.759	2.172	3723.803	0.05%	99.58%
83.0	19.225	2.119	3725.922	0.05%	99.64%
84.0	18.764	2.070	3727.992	0.05%	99.70%
85.0	18.325	2.024	3730.016	0.05%	99.75%
86.0	17.710	1.970	3731.986	0.05%	99.80%
87.0	17.176	1.909	3733.895	0.05%	99.85%
88.0	16.752	1.859	3735.754	0.05%	99.90%
89.0	16.394	1.817	3737.571	0.04%	99.95%
90.0	16.211	1.788	3739.358	0.04%	100.00%

Zonal flux distribution table

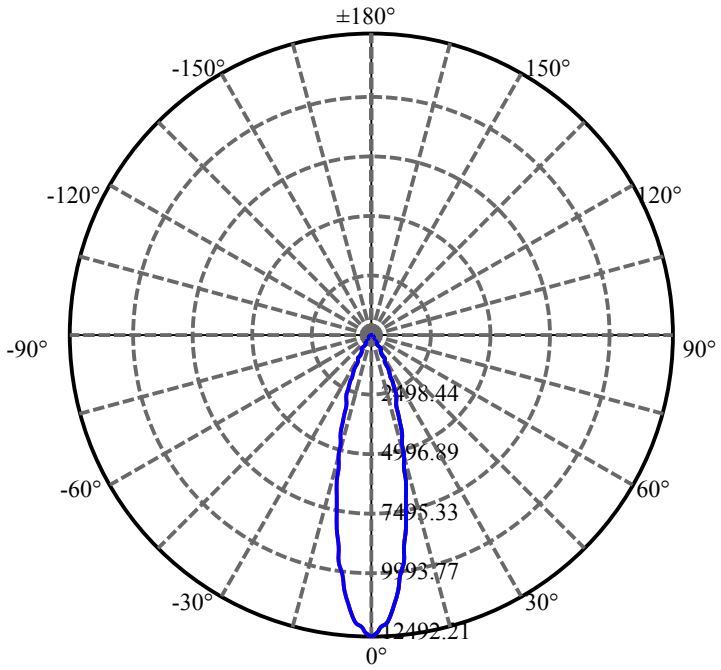
ZONAL LUMEN SUMMARY

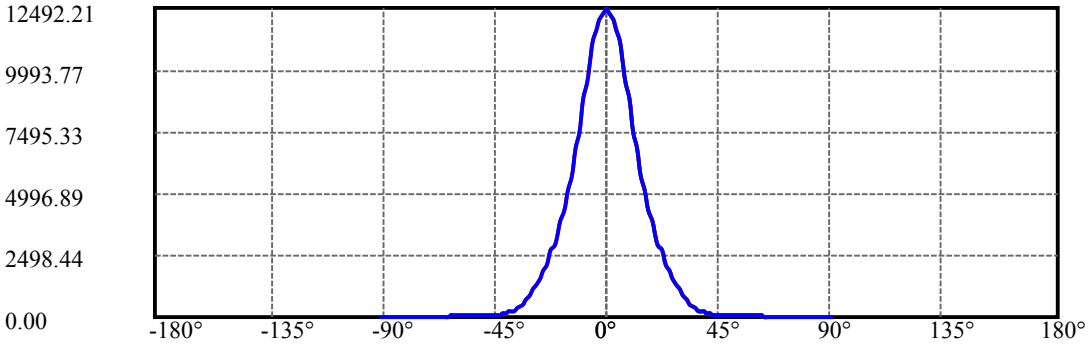
Zone	Lumens	%Lamp	%Fixt
0-30	3269.14	79.60%	87.43%
0-40	3546.36	86.35%	94.84%
0-60	3658.29	89.07%	97.83%
0-90	3737.57	91.00%	99.95%
0-120	3737.57	91.00%	99.95%
0-180	3739.36	91.05%	100.00%
60-90	79.28	1.93%	2.12%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.83	2991.49	72.84%	80.00%

ZONAL LUMEN SUMMARY

0-10	966.30
10-20	1431.87
20-30	870.97
30-40	277.22
40-50	67.39
50-60	44.53
60-70	35.33
70-80	25.79
80-90	18.16
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):

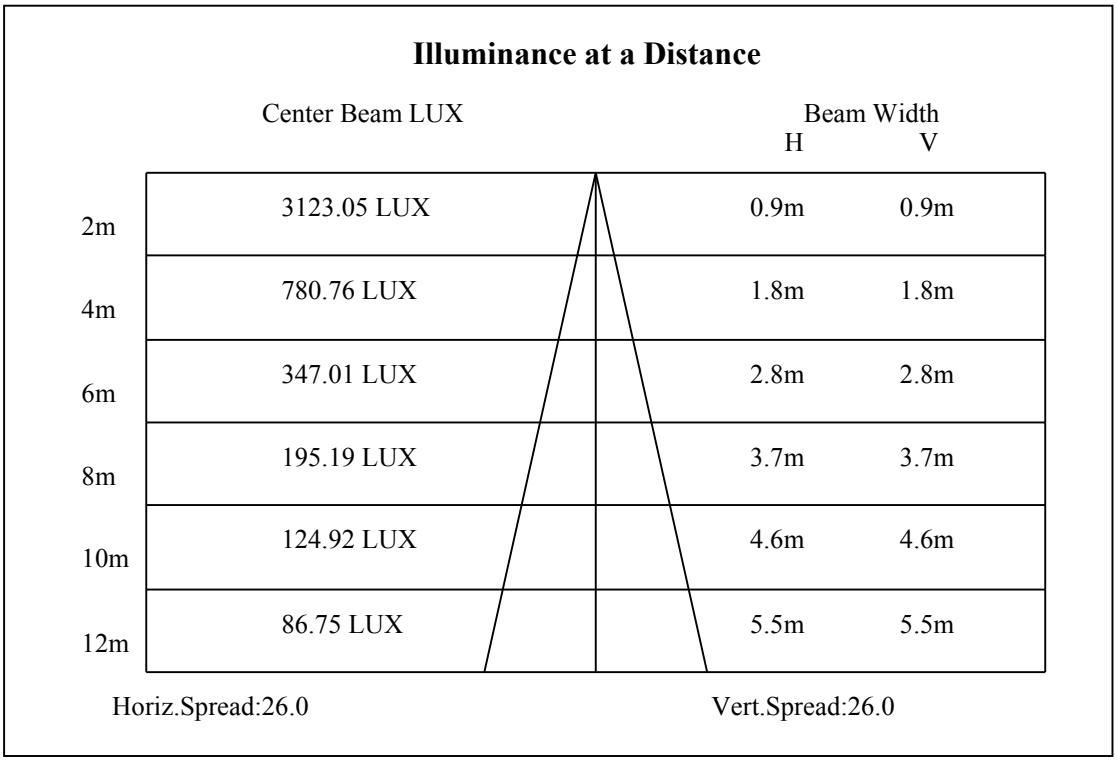
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:28.1 Right:28.1
:C90/270Left:28.1 Right:28.1

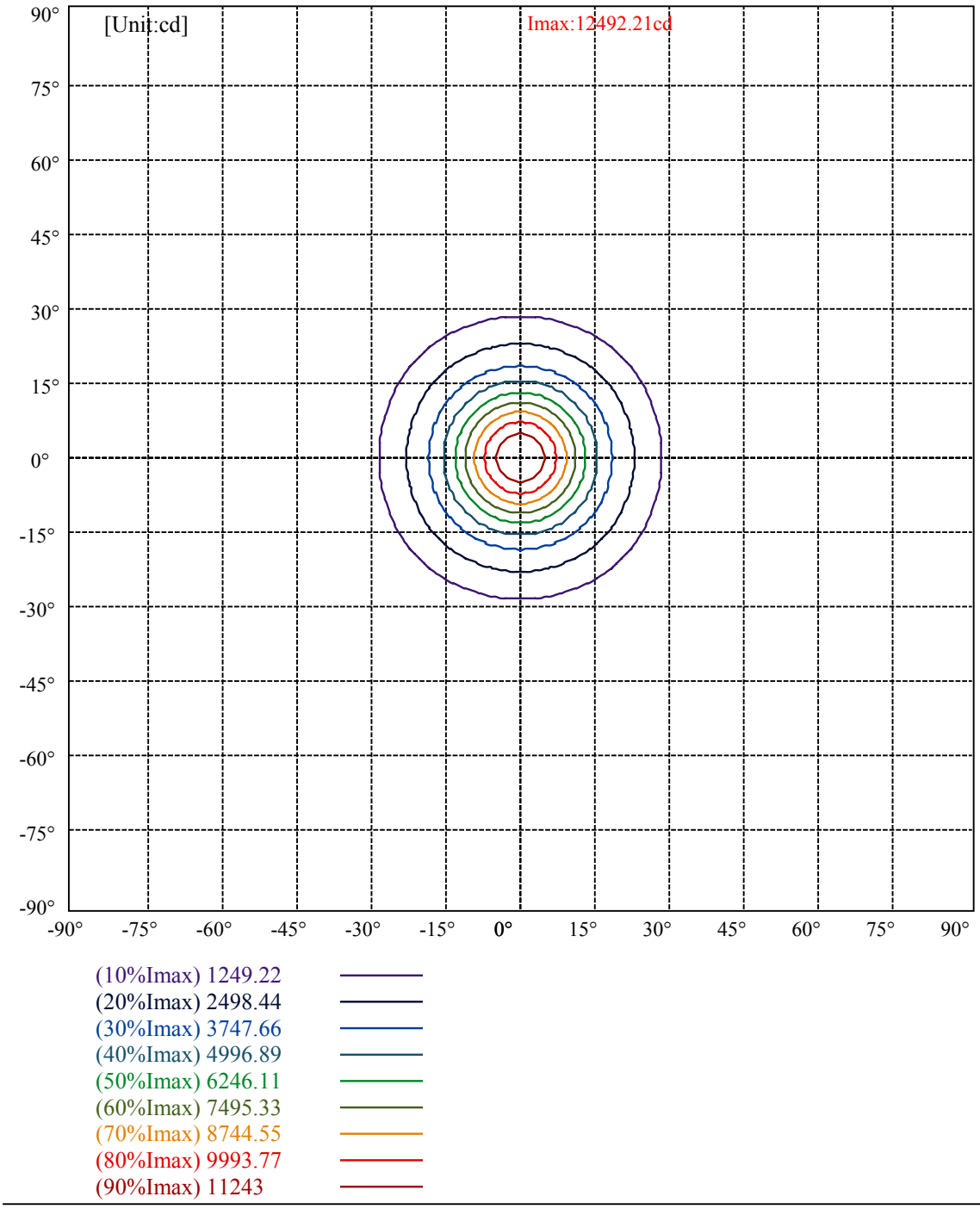
Beam Angle(50%Imax):C0/180Left:13.0 Right:13.0
:C90/270Left:13.0 Right:13.0

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)



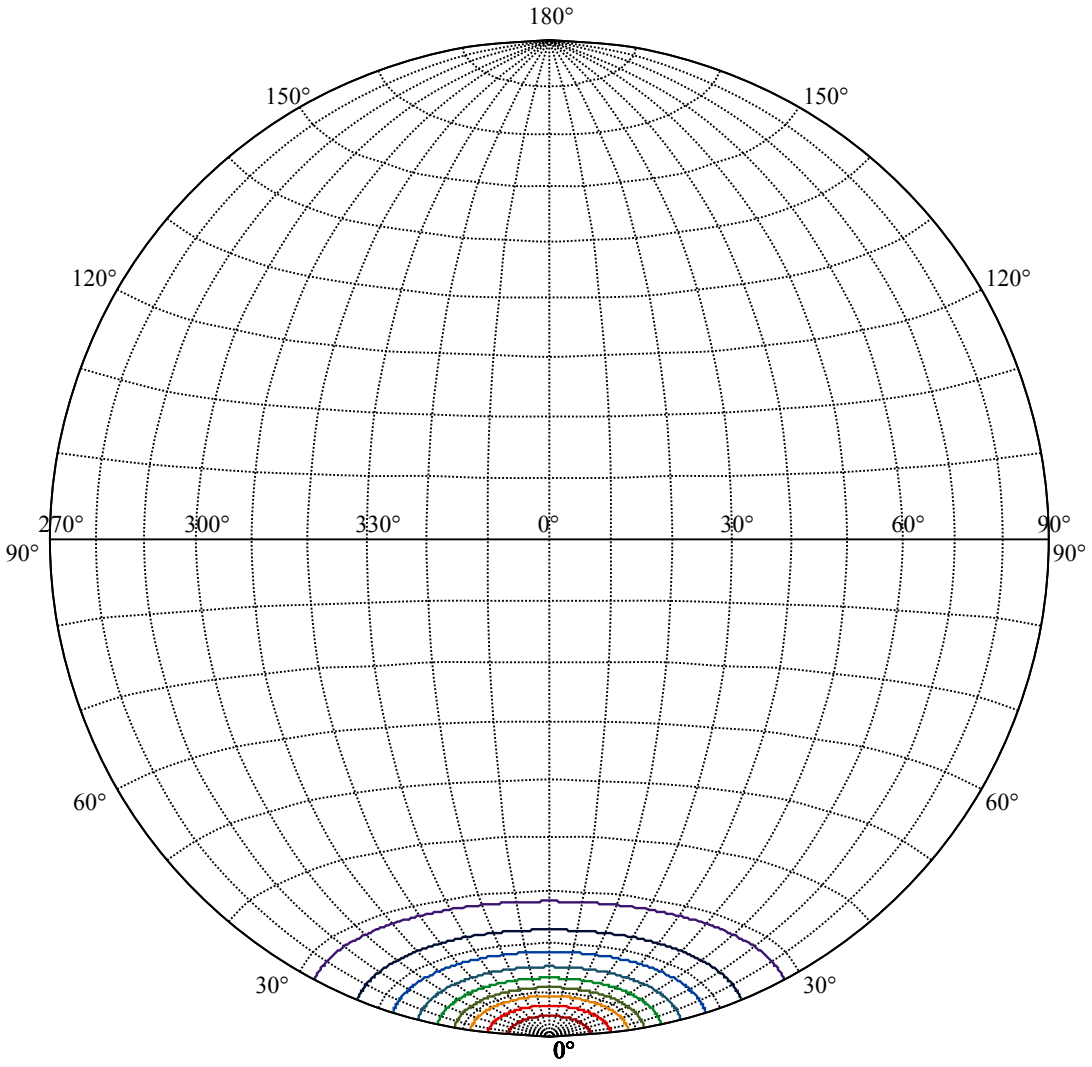
(10%Imax) 1249.22
(20%Imax) 2498.44
(30%Imax) 3747.66
(40%Imax) 4996.89
(50%Imax) 6246.11
(60%Imax) 7495.33
(70%Imax) 8744.55
(80%Imax) 9993.77
(90%Imax) 11243

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



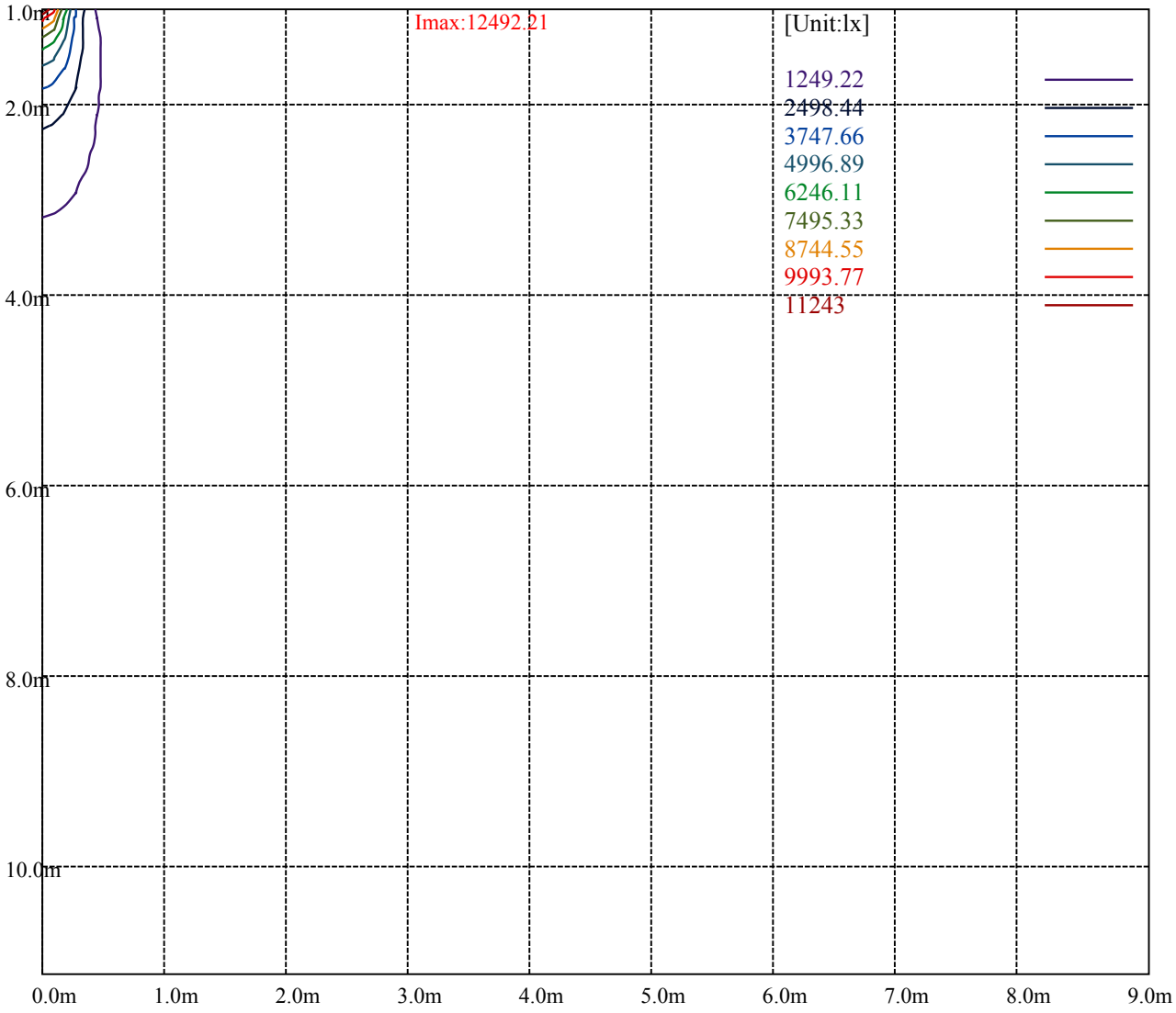
[Unit:cd]

Imax:12492.21

(10%Imax) 1249.22
(20%Imax) 2498.44
(30%Imax) 3747.66
(40%Imax) 4996.89
(50%Imax) 6246.11
(60%Imax) 7495.33
(70%Imax) 8744.55
(80%Imax) 9993.77
(90%Imax) 11243

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 2-2519-L

Luminance Limitting Curve(no luminous side)

Luminance Table

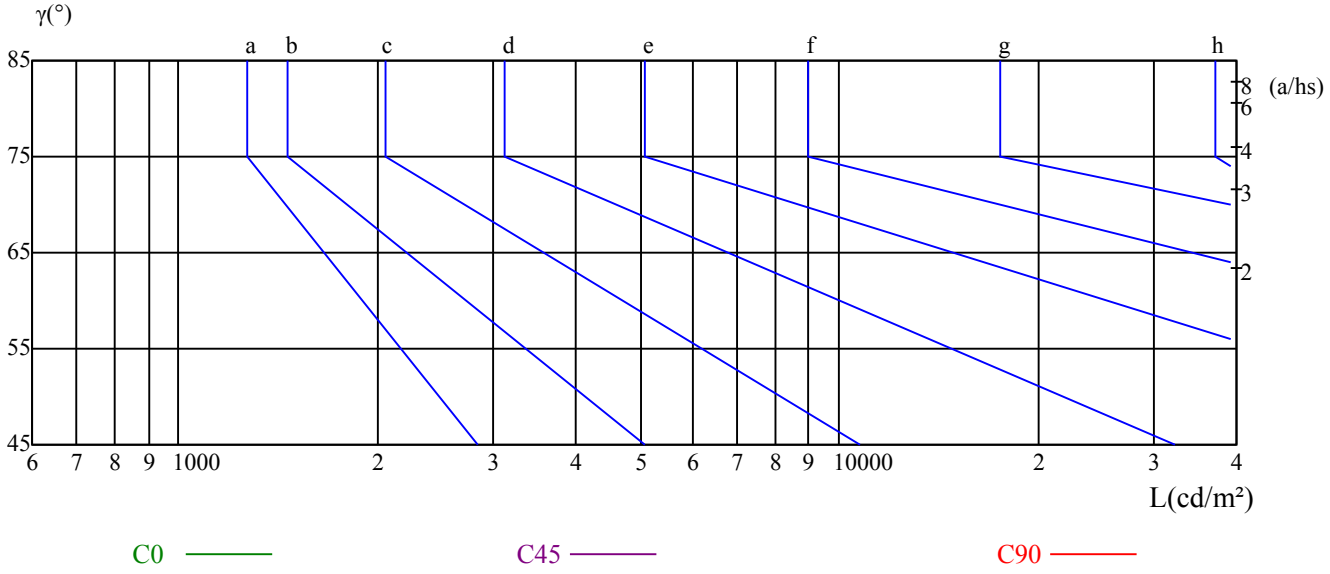
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

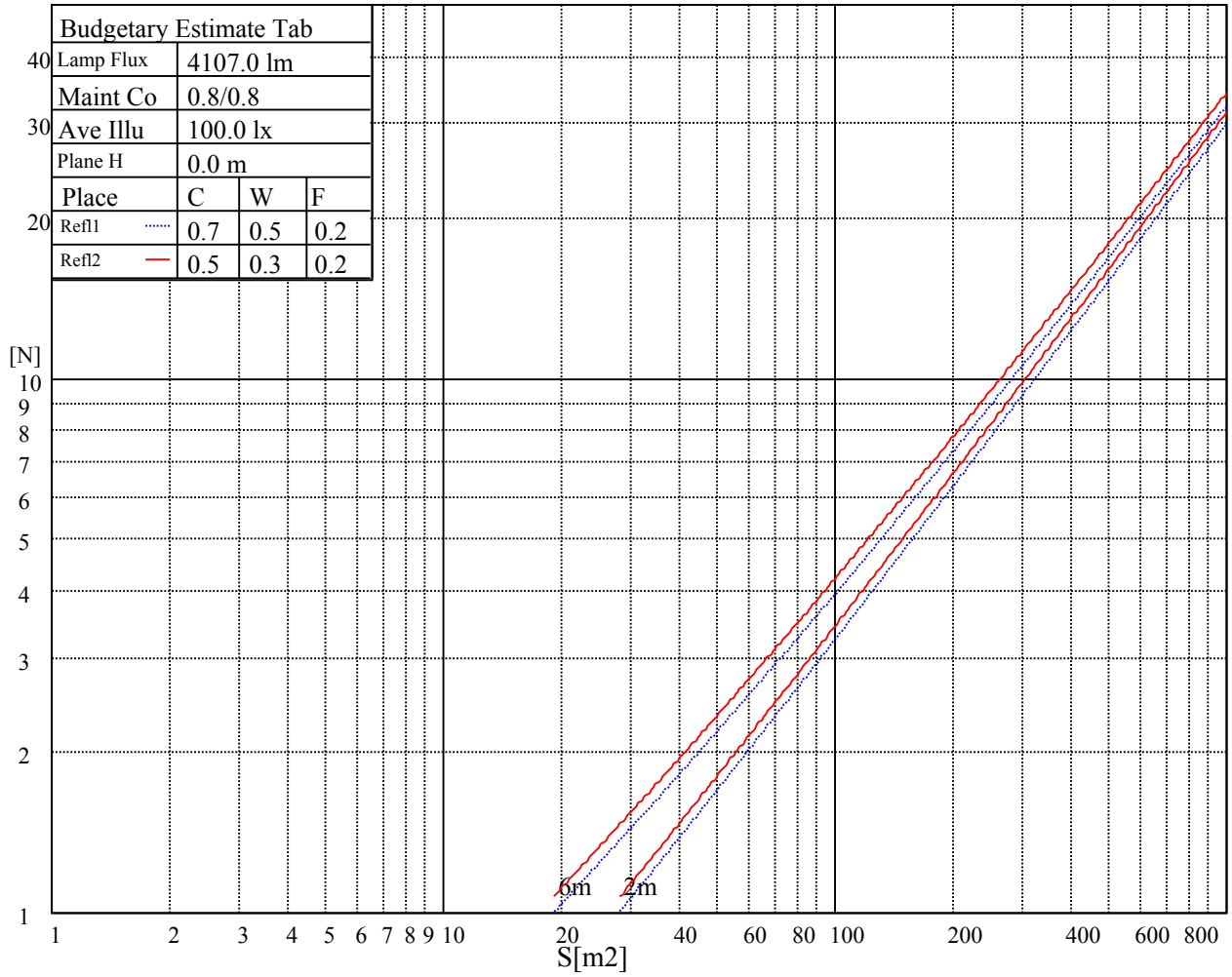
Luminance Limitting Curve



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

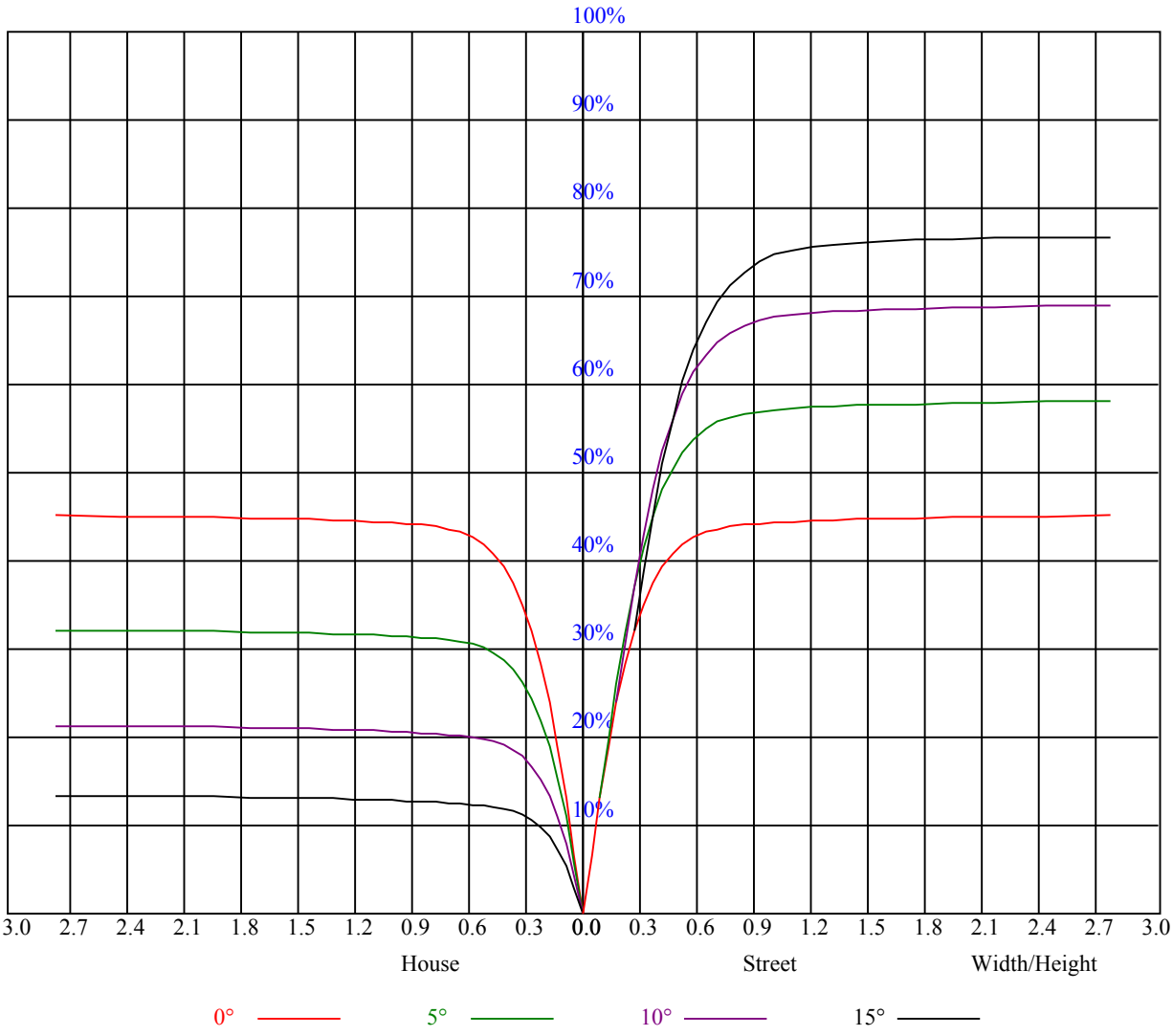


Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

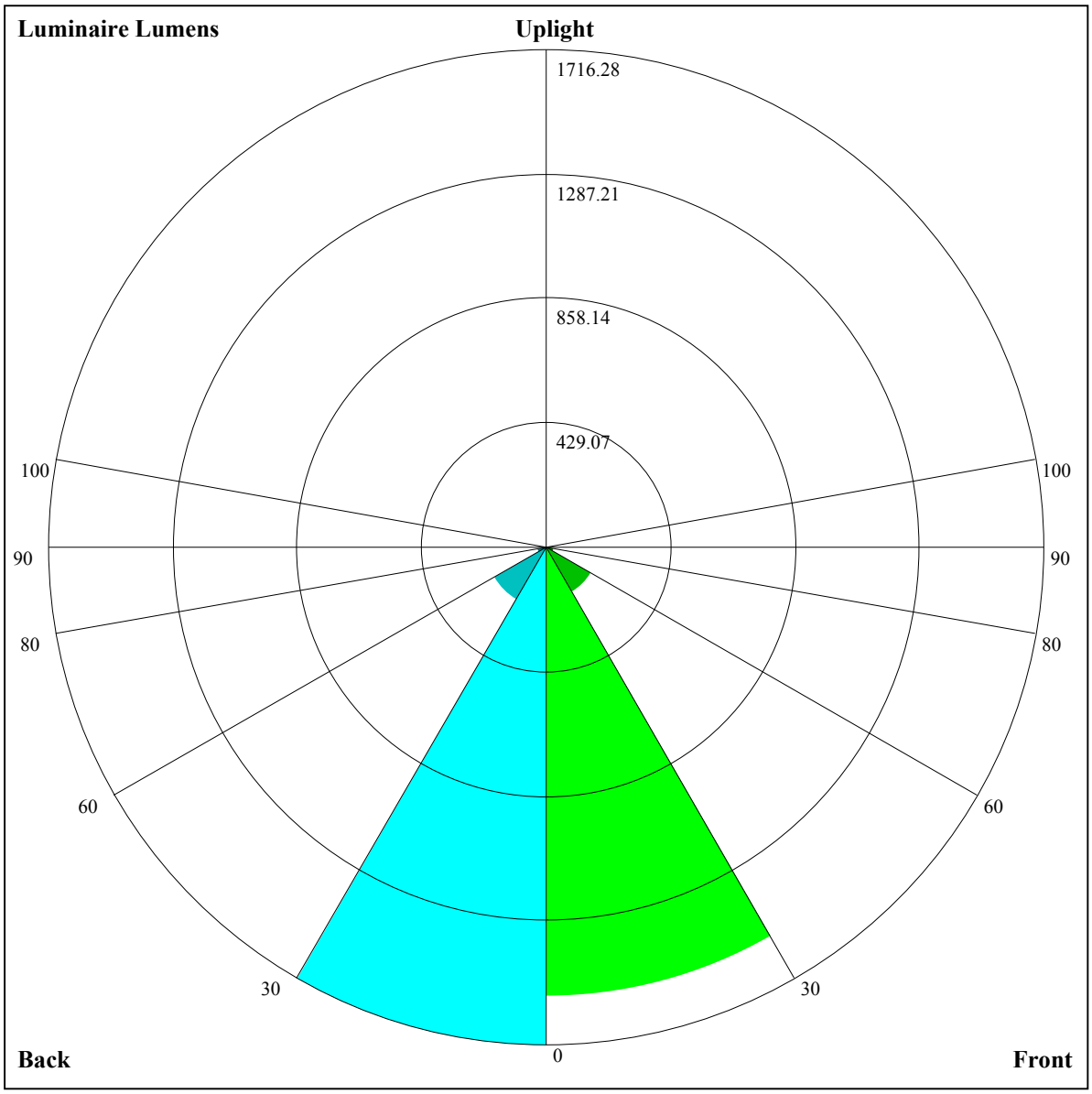
Utilization factor table for indoor luminaire

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	1.08	1.08	1.08	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.02	1.00	0.98	1.00	0.98	0.96	0.96	0.95	0.93	0.93	0.91	0.90	0.90	0.89	0.88	0.86
2	0.96	0.93	0.90	0.94	0.91	0.89	0.91	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.82
3	0.91	0.87	0.84	0.90	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.83	0.81	0.79	0.78
4	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.80	0.78	0.76	0.75
5	0.82	0.78	0.75	0.82	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.73	0.77	0.75	0.72	0.71
6	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.68
7	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.66
8	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.70	0.67	0.64	0.63
9	0.70	0.66	0.63	0.70	0.65	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.61
10	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.59

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=1549.31,FM=180.47,FH=30.32,FVH=9.84
BL=1716.28,BM=210.87,BH=30.66,BVH=10.11
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	12439.54	11606.83	11606.83	11499.14	11052.03	10433.45	9885.68	9306.31	8696.50
45.0	12521.47	12480.51	12322.50	12053.29	11702.16	11140.34	10648.75	9987.45	9402.22
90.0	12521.47	12439.54	11674.71	11674.71	11472.22	11000.53	10493.14	9783.85	9212.09
135.0	12486.36	12550.74	12533.18	12369.32	12129.37	11772.39	11362.73	10771.65	10250.80
180.0	12439.54	12521.47	12503.92	12328.35	12088.41	11784.09	11327.62	10853.58	10321.03
225.0	12521.47	12480.51	12281.53	11588.68	11588.68	11266.81	10648.81	10101.63	9504.11
270.0	12521.47	12503.92	12410.28	12193.75	11807.50	11409.55	10947.22	10291.77	9741.66
315.0	12486.36	12217.16	11617.95	11617.95	11049.11	10547.57	9866.95	9283.48	8653.78
360.0	12439.54	11606.83	11606.83	11499.14	11052.03	10433.45	9885.68	9306.31	8696.50

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7894.16	7280.84	6654.07	5932.48	5416.32	4821.14	4381.64	4004.75	3661.23
45.0	8787.74	8179.10	7541.21	6768.71	6171.78	5645.08	5165.20	4603.38	4193.72
90.0	8618.67	7973.75	7174.92	6561.02	5999.79	5376.52	4906.58	4479.96	4002.41
135.0	9688.99	9109.61	8342.97	7699.22	7078.88	6347.35	5820.65	5340.76	4773.10
180.0	9624.61	9027.68	8413.19	7775.30	6991.10	6411.73	5890.87	5410.99	4825.77
225.0	8877.92	8065.63	7433.00	6807.98	6118.00	5633.43	5054.65	4613.97	4227.72
270.0	9156.43	8524.39	7722.63	7073.03	6476.10	5937.69	5323.21	4878.44	4445.37
315.0	8013.54	7217.64	6602.57	6015.59	5494.74	4917.70	4491.66	4112.43	3752.52
360.0	7894.16	7280.84	6654.07	5932.48	5416.32	4821.14	4381.64	4004.75	3661.23

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3265.03	2970.08	2699.12	2459.76	2177.10	1968.17	1768.61	1539.79	1149.56
45.0	3842.59	3432.93	3134.47	2988.16	2988.16	2314.04	2039.57	1840.59	1650.39
90.0	3664.74	3265.61	2970.66	2702.63	2458.59	2174.17	1974.02	1784.99	1602.40
135.0	4369.29	4012.30	3596.79	3292.48	3005.72	3005.72	2443.37	2226.84	2016.74
180.0	4427.81	4053.27	3620.20	3333.44	2953.05	2953.05	2679.80	2256.69	1992.75
225.0	3876.00	3472.20	3168.47	2892.83	2633.57	2352.66	2139.06	1940.08	1748.71
270.0	3977.19	3631.91	3216.40	3011.57	3011.57	2419.96	2130.86	1934.81	1732.91
315.0	3337.01	3040.30	2701.46	2454.49	2234.45	1976.36	1780.90	1598.31	1127.08
360.0	3265.03	2970.08	2699.12	2459.76	2177.10	1968.17	1768.61	1539.79	1149.56

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1149.56	1033.33	863.32	744.41	611.79	515.88	433.71	345.05	286.58
45.0	1467.80	1250.68	1087.41	942.27	815.86	700.57	567.73	476.43	398.01
90.0	1139.78	1139.78	1063.70	921.20	762.72	649.54	520.79	432.60	357.51
135.0	1819.52	1581.34	1403.43	1233.13	1034.15	890.77	734.52	619.81	516.81
180.0	1810.16	1618.79	1404.01	1233.13	1061.66	908.91	753.24	632.69	530.27
225.0	1521.64	1131.06	1131.06	974.93	837.93	712.45	570.77	473.80	370.68
270.0	1563.19	1338.47	1170.51	1014.84	873.21	712.86	602.84	481.11	400.35
315.0	1127.08	1046.67	900.95	772.50	628.59	526.59	439.27	366.64	292.14
360.0	1149.56	1033.33	863.32	744.41	611.79	515.88	433.71	345.05	286.58

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	238.42	200.21	163.28	140.28	122.84	109.96	98.03	90.36	83.80
45.0	316.08	301.45	301.45	173.93	148.41	125.00	111.60	101.01	92.29
90.0	282.02	234.27	194.59	163.04	133.96	117.40	104.52	94.86	85.38
135.0	427.86	336.56	304.96	304.96	184.35	148.76	128.16	112.83	101.54
180.0	437.81	340.07	307.30	307.30	173.69	144.73	117.28	102.30	91.35
225.0	303.91	249.72	205.88	164.62	139.58	120.97	107.45	97.09	86.50
270.0	331.88	301.45	301.45	182.12	147.59	127.58	112.60	100.83	90.94
315.0	243.34	195.52	166.03	142.27	120.61	108.09	98.67	90.94	82.98
360.0	238.42	200.21	163.28	140.28	122.84	109.96	98.03	90.36	83.80

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	76.90	72.28	68.18	63.67	60.75	58.46	55.71	53.90	52.55
45.0	83.28	77.13	72.04	67.65	62.91	59.58	57.12	54.25	52.32
90.0	78.95	73.74	68.65	65.19	61.80	57.76	55.19	52.61	50.86
135.0	90.71	83.45	77.19	70.34	65.84	60.75	57.64	55.36	53.20
180.0	83.39	75.32	70.40	66.19	62.62	58.64	56.06	53.84	51.91
225.0	79.53	72.51	68.06	64.20	60.04	57.35	55.25	52.90	51.32
270.0	81.87	75.85	70.93	66.89	62.33	59.46	57.12	54.48	52.85
315.0	77.60	73.04	68.88	64.37	61.57	59.05	56.42	54.66	53.14
360.0	76.90	72.28	68.18	63.67	60.75	58.46	55.71	53.90	52.55

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	51.15	49.45	48.11	46.99	45.53	43.66	42.02	40.67	39.09
45.0	51.03	49.33	48.05	46.82	45.24	44.01	42.60	40.97	39.27
90.0	49.57	48.28	46.64	45.06	43.72	42.31	40.56	38.86	37.45
135.0	51.79	50.68	49.39	47.87	46.35	44.89	43.48	41.61	40.09
180.0	49.86	48.46	47.17	46.23	45.30	44.13	43.25	42.31	40.67
225.0	50.21	48.98	47.58	46.35	45.35	44.13	42.31	40.73	39.27
270.0	51.27	50.10	48.57	46.76	45.65	44.77	43.60	41.49	40.09
315.0	51.62	50.33	48.81	47.64	46.47	45.00	43.07	41.73	40.44
360.0	51.15	49.45	48.11	46.99	45.53	43.66	42.02	40.67	39.09

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	37.86	36.46	35.41	34.47	33.24	32.25	31.31	29.38	27.39
45.0	38.04	36.64	35.52	34.29	33.12	31.89	30.55	29.55	28.09
90.0	36.17	34.65	33.47	32.19	31.08	29.96	28.91	27.92	26.86
135.0	38.68	37.16	35.93	34.65	33.24	32.07	30.90	29.50	28.62
180.0	39.50	38.27	36.93	35.52	34.06	32.89	31.78	30.37	29.38
225.0	37.57	36.05	34.65	33.42	32.25	31.08	29.67	28.68	27.74
270.0	38.68	37.28	35.99	34.76	33.53	31.89	30.55	29.26	28.27
315.0	38.92	37.40	36.17	35.00	33.77	32.60	31.72	30.02	27.80
360.0	37.86	36.46	35.41	34.47	33.24	32.25	31.31	29.38	27.39

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	26.22	25.16	24.29	23.53	22.82	22.18	21.48	20.89	20.37
45.0	26.98	26.04	24.99	24.05	23.29	22.65	21.95	21.36	20.83
90.0	25.98	25.05	24.35	23.64	22.94	22.36	21.71	21.19	20.48
135.0	27.68	26.63	25.52	24.81	24.11	23.47	22.71	22.06	21.54
180.0	28.32	27.33	26.45	25.40	24.64	23.94	23.29	22.65	22.12
225.0	26.74	25.52	24.64	23.88	22.94	22.36	21.77	21.13	20.60
270.0	27.39	26.45	24.87	24.11	23.29	22.65	21.89	21.36	20.78
315.0	26.34	24.70	23.64	22.88	22.30	21.59	21.01	20.48	19.96
360.0	26.22	25.16	24.29	23.53	22.82	22.18	21.48	20.89	20.37

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	19.84	19.43	18.90	18.43	18.14	17.38	16.85	16.39	16.21
45.0	20.31	19.66	19.14	18.61	18.26	17.73	17.09	16.68	16.27
90.0	20.01	19.49	19.02	18.55	18.14	17.38	16.97	16.56	16.21
135.0	20.89	20.37	19.72	19.31	18.84	18.32	17.62	17.21	16.80
180.0	21.65	21.01	20.48	19.96	19.43	18.90	18.38	17.85	17.32
225.0	20.01	19.55	19.02	18.61	18.02	17.56	17.09	16.68	16.27
270.0	20.13	19.66	19.08	18.61	18.14	17.50	16.97	16.56	16.15
315.0	19.43	18.90	18.43	18.02	17.62	16.91	16.44	16.09	15.92
360.0	19.84	19.43	18.90	18.43	18.14	17.38	16.85	16.39	16.21

Intensity data(cd)

C/γ(°)	90.0
0.0	16.15
45.0	16.09
90.0	16.15
135.0	16.44
180.0	16.85
225.0	16.09
270.0	15.98
315.0	15.92
360.0	16.15