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NT

Client:
LumCAT: 2-2569-L
Luminaire: 92.70.412.00
Report No: 2024813-B009
Ballast type: AC

Test No: 2024813-C009	Voltage(V): 35.030
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.702
Lamp flux(lm): 4107.0	Power (W): 24.591
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3757.64, Efficiency(%): 91.49% , Luminous Efficacy(lm/W): 152.81
Central intensity(cd): 6051.139, Maximum intensity(cd): 6053.334
Angle of maximum intensity: C=0.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=47.2
[C90/270]Total=47.2
Field angle(10%Imax): [C0/180]Total=72.2
[C90/270]Total=72.2
Maximum s/h(1/2): C0_180=0.74 C90_270=0.74
Maximum s/h(1/4): C0_180=0.75 C90_270=0.75
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.49%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.021%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6051.139	0.000	0	0.00%	0.00%
1.0	6053.333	5.792	5.792	0.14%	0.15%
2.0	6038.483	17.355	23.147	0.42%	0.62%
3.0	6011.490	28.820	51.967	0.70%	1.38%
4.0	5972.060	40.113	92.079	0.98%	2.45%
5.0	5912.221	51.126	143.205	1.24%	3.81%
6.0	5833.216	61.725	204.93	1.50%	5.45%
7.0	5738.482	71.825	276.756	1.75%	7.37%
8.0	5623.851	81.318	358.074	1.98%	9.53%
9.0	5490.493	90.076	448.15	2.19%	11.93%
10.0	5352.161	98.122	546.272	2.39%	14.54%
11.0	5203.879	105.477	651.748	2.57%	17.34%
12.0	5044.479	112.029	763.777	2.73%	20.33%
13.0	4875.934	117.730	881.508	2.87%	23.46%
14.0	4718.362	122.806	1004.314	2.99%	26.73%
15.0	4555.304	127.313	1131.627	3.10%	30.12%
16.0	4380.760	130.938	1262.565	3.19%	33.60%
17.0	4225.968	134.030	1396.595	3.26%	37.17%
18.0	4037.526	136.247	1532.842	3.32%	40.79%
19.0	3881.563	137.776	1670.618	3.35%	44.46%
20.0	3706.581	138.884	1809.502	3.38%	48.16%
21.0	3523.186	138.826	1948.328	3.38%	51.85%
22.0	3335.183	137.822	2086.15	3.36%	55.52%
23.0	3147.618	136.027	2222.177	3.31%	59.14%
24.0	2960.053	133.536	2355.712	3.25%	62.69%
25.0	2748.568	129.802	2485.514	3.16%	66.15%
26.0	2559.467	125.297	2610.811	3.05%	69.48%
27.0	2357.857	120.303	2731.114	2.93%	72.68%
28.0	2156.832	114.302	2845.417	2.78%	75.72%
29.0	1944.542	107.304	2952.72	2.61%	78.58%
30.0	1653.963	97.159	3049.879	2.37%	81.16%
31.0	1452.075	86.437	3136.316	2.10%	83.47%
32.0	1292.857	78.639	3214.955	1.91%	85.56%
33.0	1110.208	70.795	3285.75	1.72%	87.44%
34.0	933.990	61.863	3347.613	1.51%	89.09%
35.0	762.951	52.701	3400.314	1.28%	90.49%
36.0	621.129	44.069	3444.383	1.07%	91.66%
37.0	493.403	36.350	3480.733	0.89%	92.63%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	390.148	29.492	3510.225	0.72%	93.42%
39.0	306.007	23.762	3533.986	0.58%	94.05%
40.0	254.990	19.566	3553.552	0.48%	94.57%
41.0	221.149	16.955	3570.507	0.41%	95.02%
42.0	170.381	14.225	3584.732	0.35%	95.40%
43.0	130.651	11.151	3595.883	0.27%	95.70%
44.0	112.049	9.160	3605.043	0.22%	95.94%
45.0	97.455	8.051	3613.095	0.20%	96.15%
46.0	85.999	7.174	3620.269	0.17%	96.34%
47.0	77.572	6.506	3626.775	0.16%	96.52%
48.0	70.190	5.973	3632.748	0.15%	96.68%
49.0	63.760	5.501	3638.249	0.13%	96.82%
50.0	59.159	5.125	3643.374	0.12%	96.96%
51.0	54.719	4.818	3648.192	0.12%	97.09%
52.0	51.251	4.547	3652.739	0.11%	97.21%
53.0	48.405	4.335	3657.074	0.11%	97.32%
54.0	45.713	4.148	3661.223	0.10%	97.43%
55.0	43.446	3.980	3665.202	0.10%	97.54%
56.0	41.449	3.836	3669.039	0.09%	97.64%
57.0	39.847	3.717	3672.756	0.09%	97.74%
58.0	38.193	3.609	3676.364	0.09%	97.84%
59.0	36.767	3.504	3679.869	0.09%	97.93%
60.0	35.582	3.418	3683.287	0.08%	98.02%
61.0	34.411	3.340	3686.627	0.08%	98.11%
62.0	33.277	3.262	3689.889	0.08%	98.20%
63.0	32.261	3.187	3693.076	0.08%	98.28%
64.0	31.368	3.122	3696.198	0.08%	98.36%
65.0	30.476	3.061	3699.259	0.07%	98.45%
66.0	29.612	2.998	3702.257	0.07%	98.53%
67.0	28.859	2.940	3705.197	0.07%	98.60%
68.0	28.018	2.881	3708.078	0.07%	98.68%
69.0	27.279	2.821	3710.899	0.07%	98.76%
70.0	26.503	2.762	3713.661	0.07%	98.83%
71.0	25.765	2.701	3716.363	0.07%	98.90%
72.0	25.062	2.643	3719.006	0.06%	98.97%
73.0	24.440	2.589	3721.594	0.06%	99.04%
74.0	23.819	2.537	3724.131	0.06%	99.11%
75.0	23.160	2.482	3726.614	0.06%	99.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	22.553	2.427	3729.04	0.06%	99.24%
77.0	21.946	2.372	3731.413	0.06%	99.30%
78.0	21.412	2.321	3733.734	0.06%	99.36%
79.0	20.783	2.267	3736.001	0.06%	99.42%
80.0	20.227	2.211	3738.212	0.05%	99.48%
81.0	19.649	2.156	3740.368	0.05%	99.54%
82.0	19.078	2.100	3742.468	0.05%	99.60%
83.0	18.574	2.047	3744.515	0.05%	99.65%
84.0	18.120	1.999	3746.514	0.05%	99.70%
85.0	17.681	1.954	3748.468	0.05%	99.76%
86.0	17.228	1.908	3750.376	0.05%	99.81%
87.0	16.876	1.866	3752.243	0.05%	99.86%
88.0	16.533	1.830	3754.073	0.04%	99.91%
89.0	16.233	1.796	3755.869	0.04%	99.95%
90.0	16.035	1.769	3757.638	0.04%	100.00%

Zonal flux distribution table

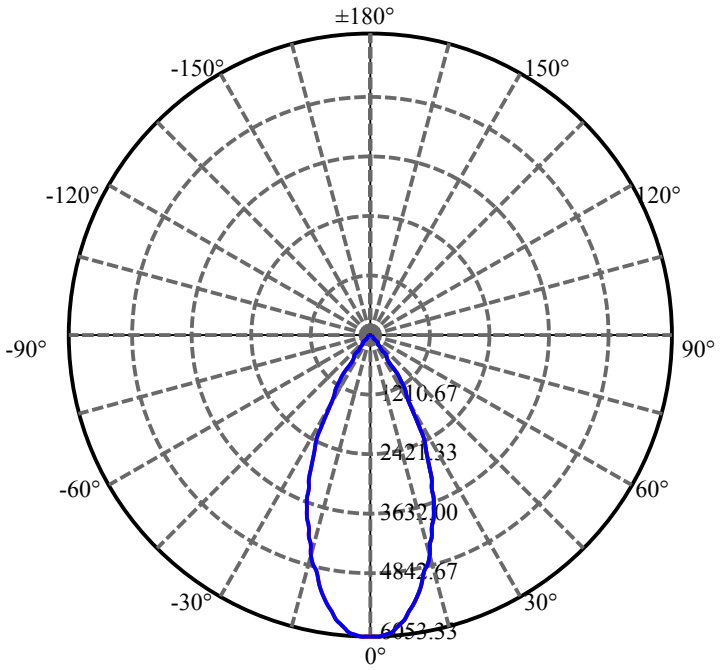
ZONAL LUMEN SUMMARY

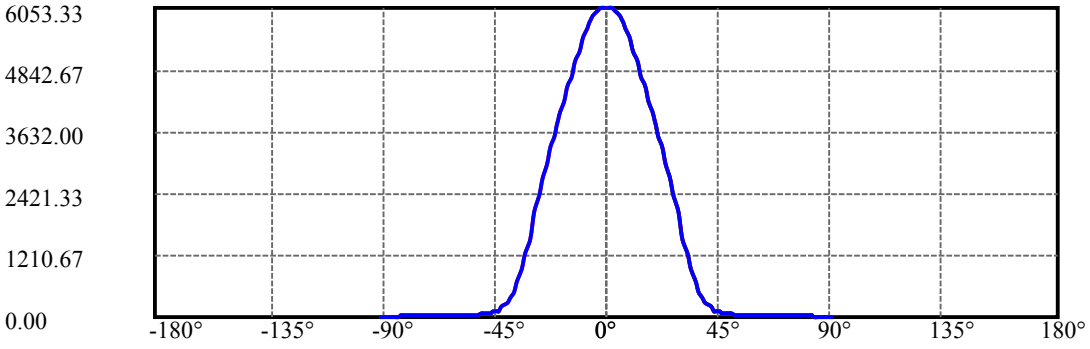
Zone	Lumens	%Lamp	%Fixt
0-30	3049.88	74.26%	81.16%
0-40	3553.55	86.52%	94.57%
0-60	3683.29	89.68%	98.02%
0-90	3755.87	91.45%	99.95%
0-120	3755.87	91.45%	99.95%
0-180	3757.64	91.49%	100.00%
60-90	72.58	1.77%	1.93%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-29.55	3006.11	73.19%	80.00%

ZONAL LUMEN SUMMARY

0-10	546.27
10-20	1263.23
20-30	1240.38
30-40	503.67
40-50	89.82
50-60	39.91
60-70	30.37
70-80	24.55
80-90	17.66
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):

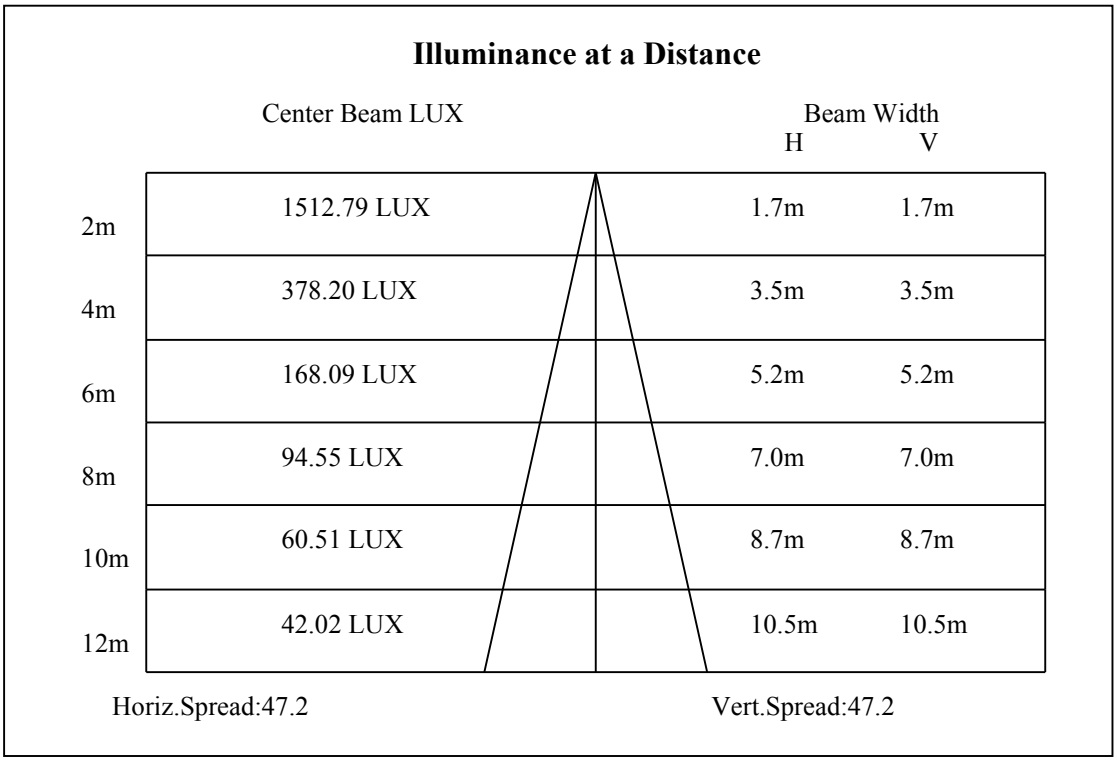
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:37.1 Right:35.1
:C90/270Left:37.1 Right:35.1

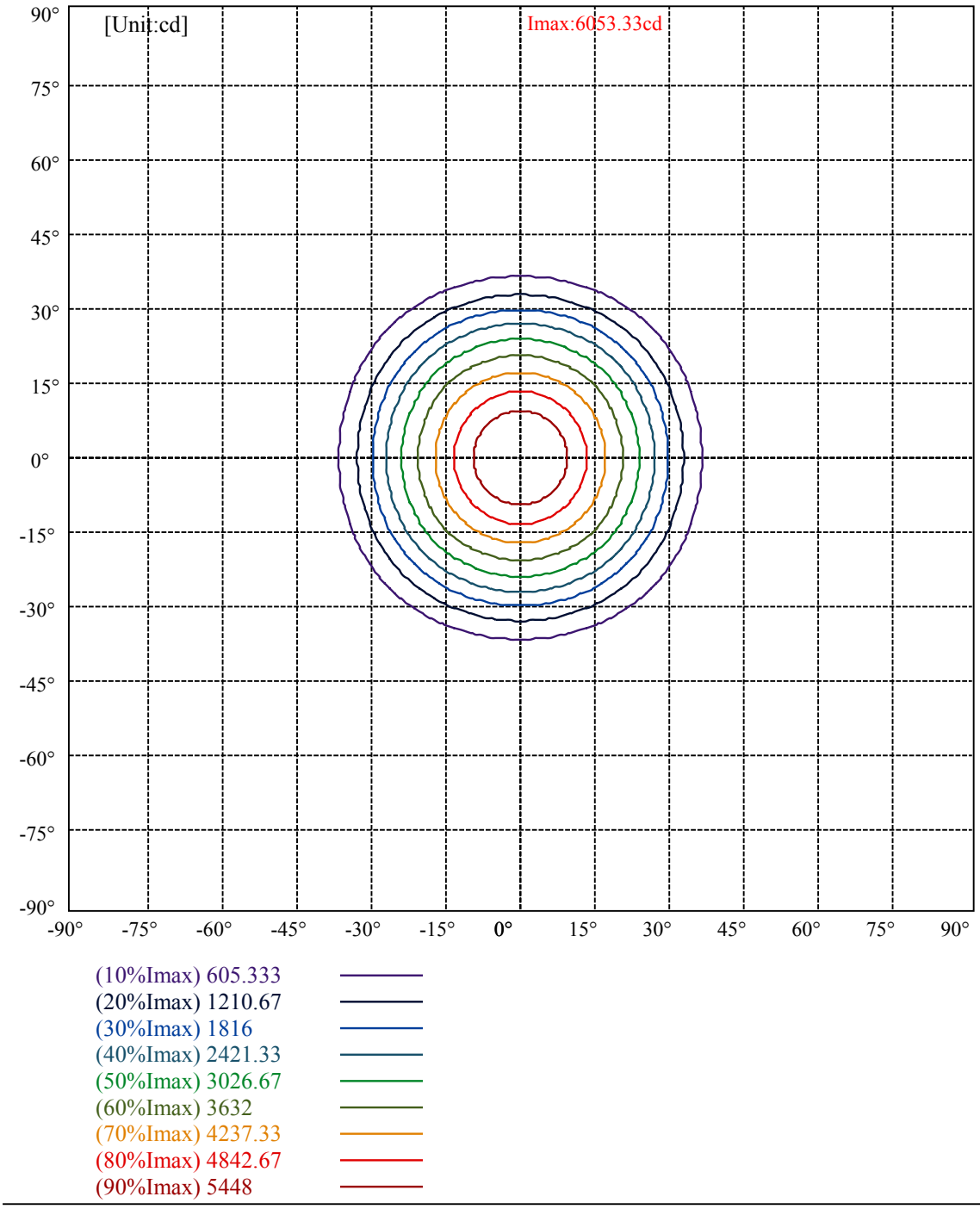
Beam Angle(50%Imax):C0/180Left:24.6 Right:22.6
:C90/270Left:24.6 Right:22.6

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)

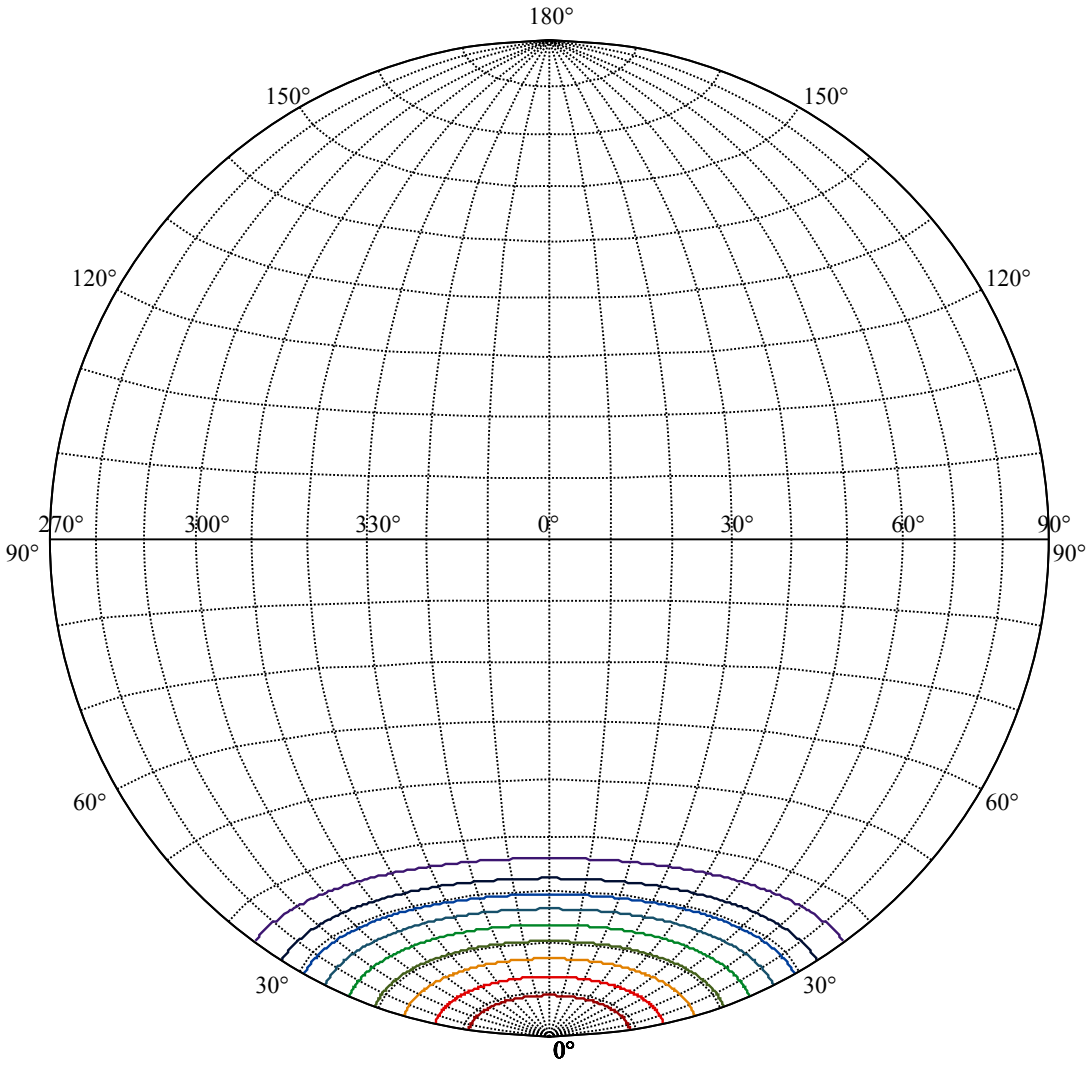


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web

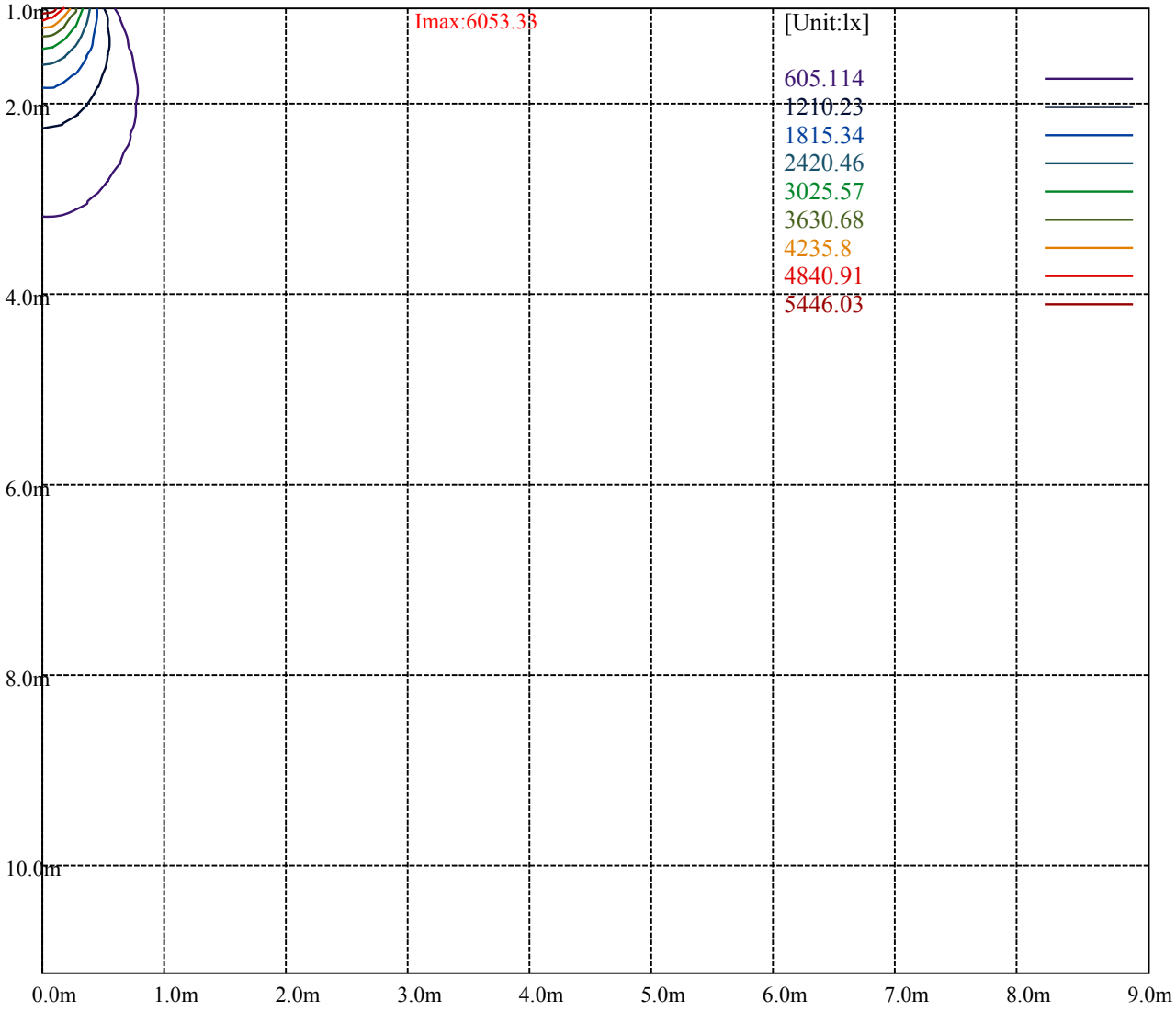


[Unit:cd]

Imax:6053.33

(10%Imax) 605.333
(20%Imax) 1210.67
(30%Imax) 1816
(40%Imax) 2421.33
(50%Imax) 3026.67
(60%Imax) 3632
(70%Imax) 4237.33
(80%Imax) 4842.67
(90%Imax) 5448

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

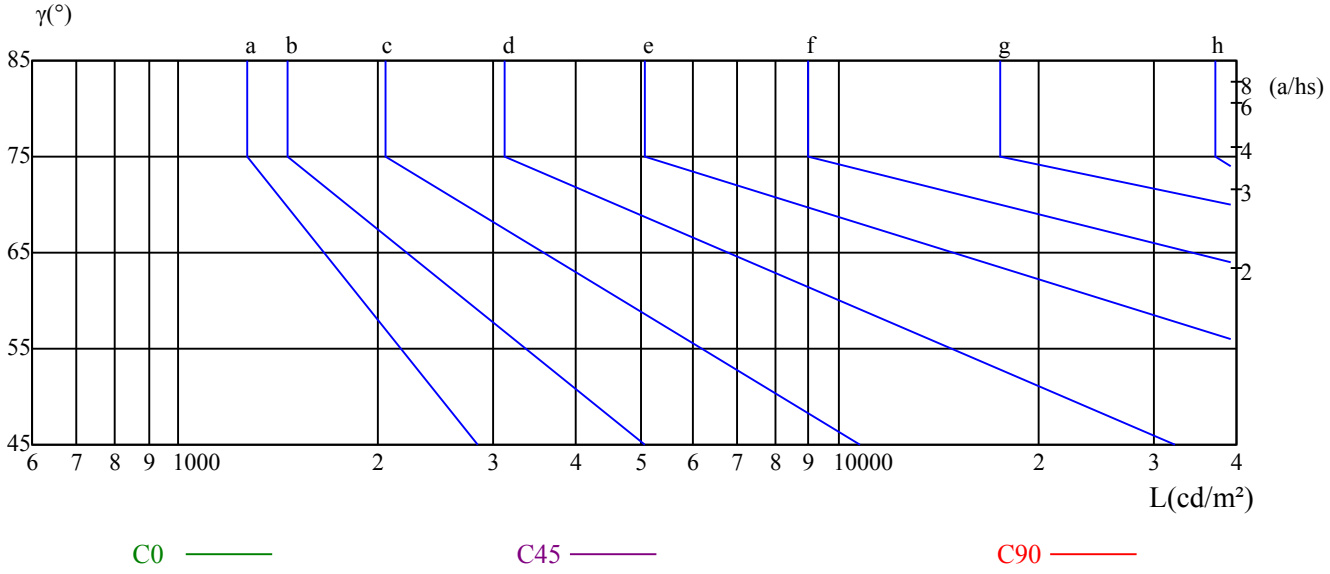
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

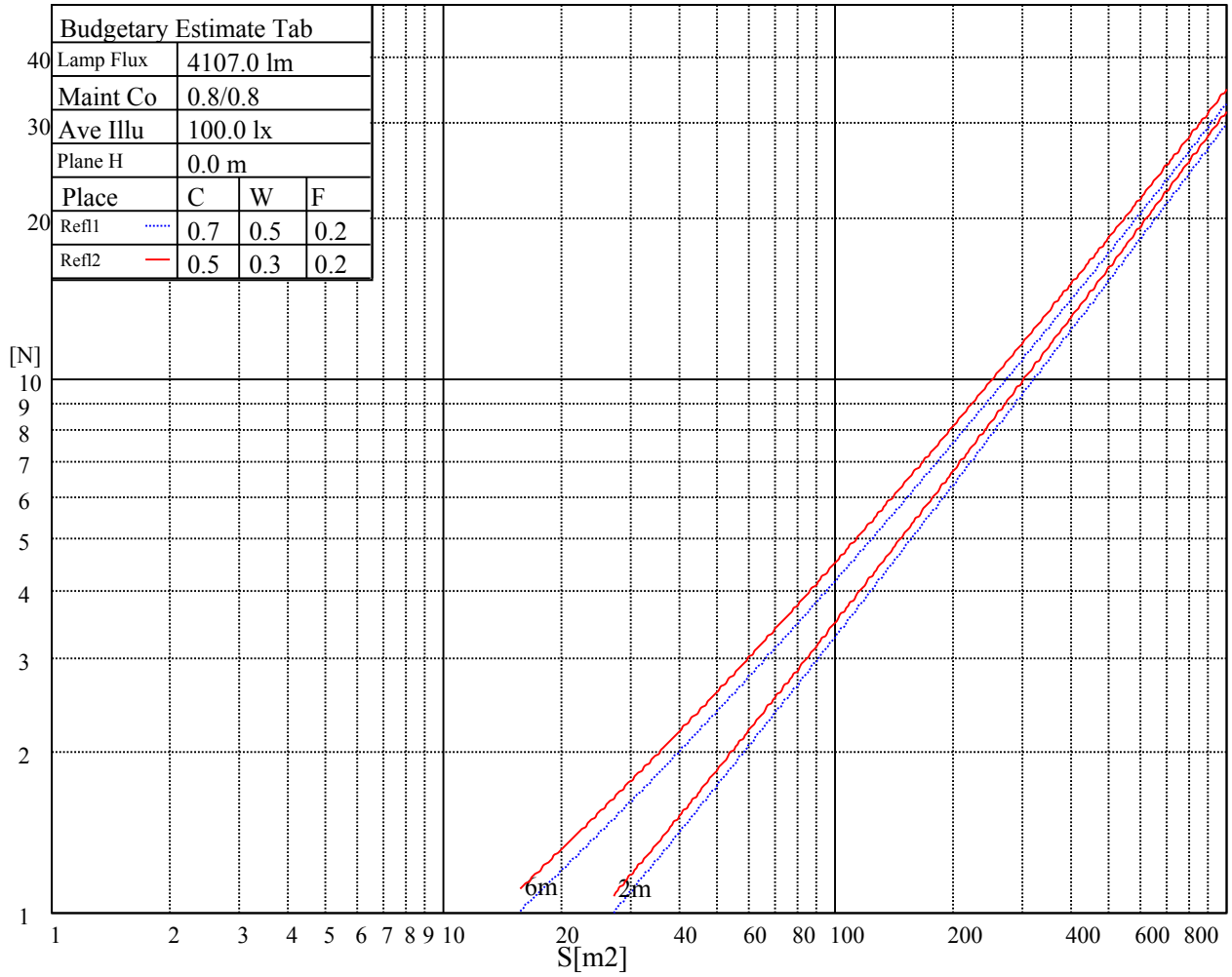
Luminance Limitting Curve



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

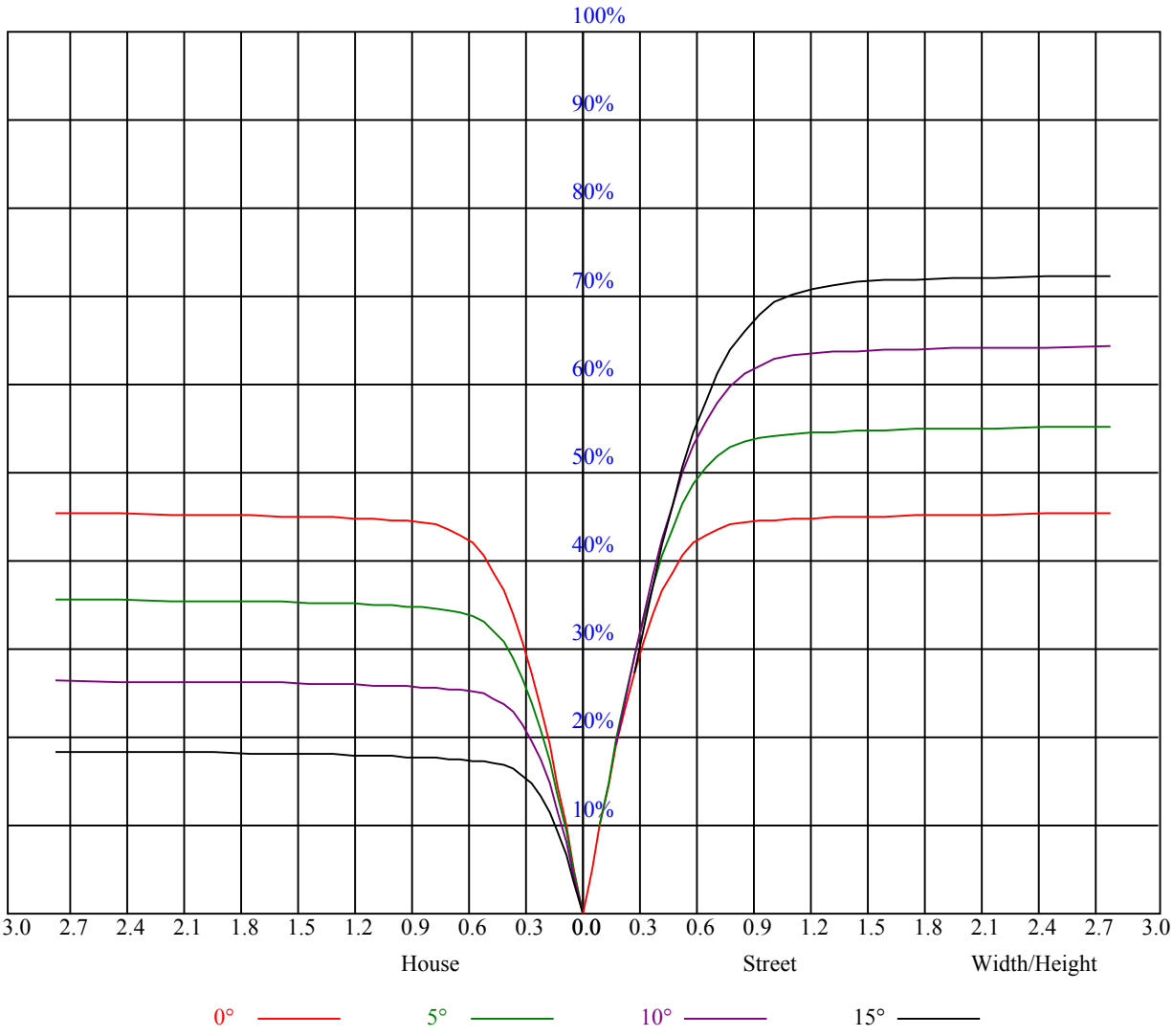


Equipment: GMS1980 Date: 2024/8/13 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

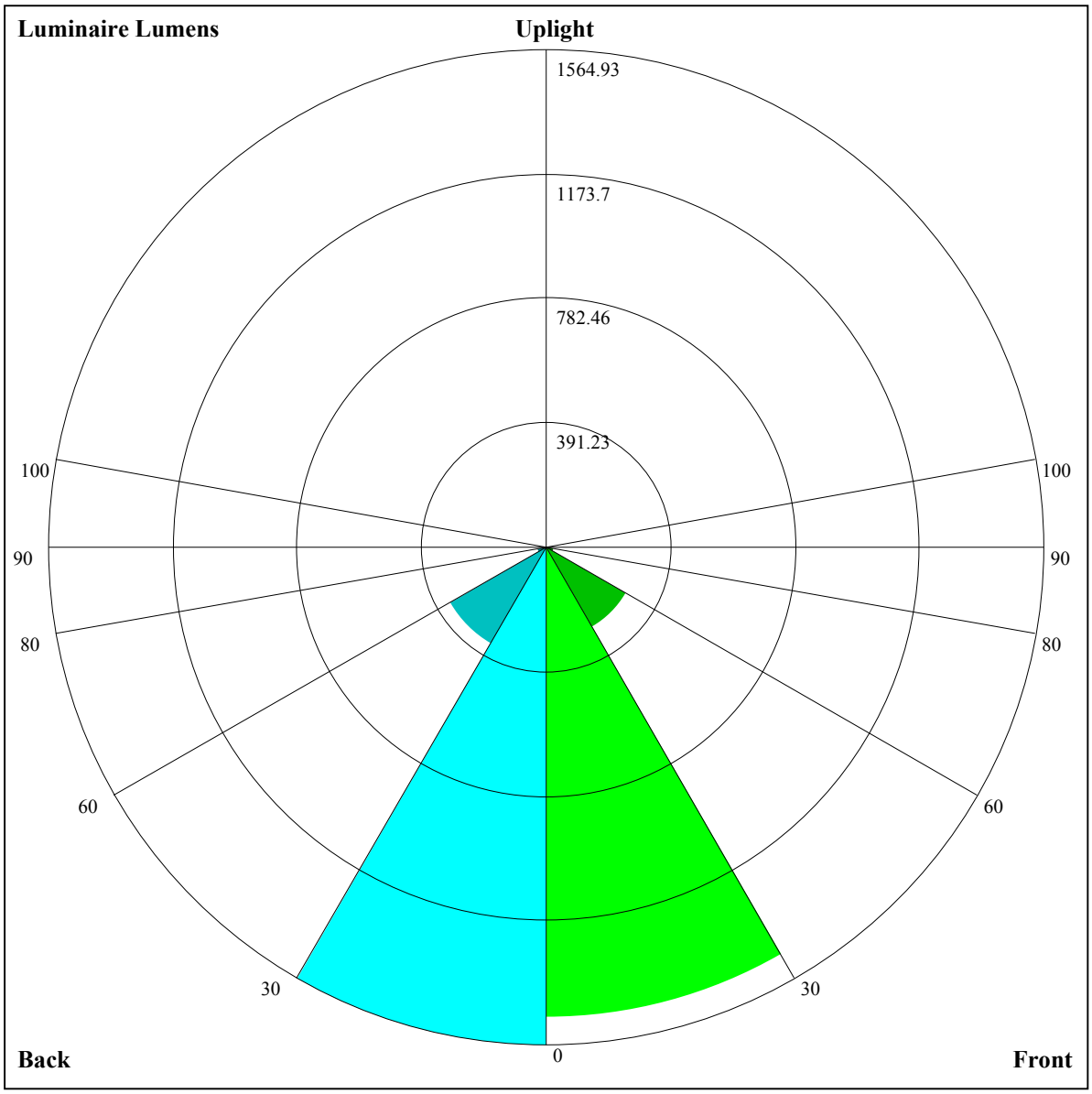
Utilization factor table for indoor luminaire

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	1.09	1.09	1.09	1.06	1.06	1.06	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.01	0.99	0.97	0.99	0.97	0.96	0.96	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
2	0.95	0.91	0.88	0.93	0.90	0.87	0.90	0.88	0.85	0.88	0.85	0.84	0.85	0.83	0.82	0.80
3	0.89	0.85	0.81	0.88	0.84	0.81	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.76
4	0.84	0.79	0.75	0.83	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.73	0.77	0.75	0.72	0.71
5	0.79	0.74	0.70	0.78	0.74	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.68	0.67
6	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.70	0.67	0.65	0.63
7	0.71	0.66	0.62	0.70	0.66	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.60
8	0.67	0.62	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.57
9	0.64	0.59	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.55	0.61	0.58	0.55	0.54
10	0.61	0.56	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.51

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=1477.04,FM=290.9,FH=26.96,FVH=9.58
BL=1564.93,BM=348.39,BH=27.85,BVH=9.83
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	6036.65	6020.85	5981.06	5940.68	5886.84	5763.94	5647.48	5550.92	5433.87
45.0	6059.48	6050.11	6015.59	5982.23	5917.27	5868.11	5796.71	5686.69	5536.29
90.0	6048.94	6039.00	6011.49	5963.50	5916.10	5861.09	5741.12	5638.70	5530.43
135.0	6059.48	6071.18	6078.21	6060.06	6022.02	5993.35	5954.14	5879.23	5777.98
180.0	6036.65	6062.40	6064.75	6063.57	6057.14	6016.76	5982.23	5916.10	5827.73
225.0	6059.48	6067.67	6069.43	6047.77	6011.49	5960.58	5861.67	5763.35	5647.48
270.0	6048.94	6070.01	6058.31	6050.70	6031.39	5991.59	5943.02	5842.94	5734.09
315.0	6059.48	6045.43	6029.05	5983.40	5934.24	5842.36	5739.36	5629.92	5502.93
360.0	6036.65	6020.85	5981.06	5940.68	5886.84	5763.94	5647.48	5550.92	5433.87

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5279.37	5143.02	4998.47	4835.77	4639.14	4495.17	4350.62	4142.87	3991.29
45.0	5411.05	5266.50	5098.54	4955.74	4766.72	4606.36	4468.84	4281.56	4122.97
90.0	5358.38	5237.82	5047.62	4895.47	4741.55	4555.45	4400.37	4231.82	4067.37
135.0	5686.10	5557.36	5442.07	5255.38	5119.61	4952.23	4762.62	4620.41	4470.01
180.0	5713.61	5595.39	5464.30	5327.95	5138.92	4966.86	4773.15	4632.11	4484.05
225.0	5519.32	5336.73	5186.91	5034.16	4884.93	4745.06	4552.52	4400.37	4237.67
270.0	5608.85	5463.72	5329.12	5139.50	4985.59	4834.02	4690.64	4503.95	4357.06
315.0	5347.26	5216.75	5064.01	4911.85	4731.02	4591.73	4443.67	4232.99	4077.32
360.0	5279.37	5143.02	4998.47	4835.77	4639.14	4495.17	4350.62	4142.87	3991.29

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3796.41	3629.04	3465.76	3258.59	3072.49	2889.90	2699.70	2471.46	2278.34
45.0	3970.22	3809.29	3608.56	3445.28	3277.90	3107.02	2880.54	2693.85	2507.16
90.0	3881.86	3727.36	3567.00	3411.34	3187.19	3011.63	2833.13	2611.92	2428.16
135.0	4269.86	4141.70	3974.91	3769.49	3603.29	3436.50	3259.76	3036.21	2853.03
180.0	4272.79	4120.63	3958.52	3793.49	3593.34	3420.11	3235.77	3008.70	2834.89
225.0	4038.11	3873.66	3709.21	3495.61	3318.87	3102.34	2924.43	2747.10	2569.78
270.0	4196.12	4045.13	3836.21	3661.81	3507.31	3272.05	3098.82	2859.47	2681.56
315.0	3874.83	3705.70	3532.48	3349.89	3121.06	2941.40	2748.28	2559.83	2322.82
360.0	3796.41	3629.04	3465.76	3258.59	3072.49	2889.90	2699.70	2471.46	2278.34

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	2083.46	1889.75	1648.64	1163.54	1163.54	1072.83	868.06	722.05	562.11
45.0	2271.90	2075.27	1886.24	1648.64	1455.51	1265.90	1037.08	873.80	728.66
90.0	2233.28	1987.48	1797.28	1603.58	1167.70	1167.70	987.27	821.95	639.94
135.0	2656.39	2458.00	2211.62	2009.14	1815.43	1564.95	1365.97	1127.79	949.88
180.0	2648.79	2452.15	2262.54	2019.67	1823.62	1570.22	1370.66	1182.80	962.75
225.0	2342.71	2152.52	1961.15	1769.78	1372.41	1138.20	1138.20	965.86	770.86
270.0	2503.07	2311.70	2067.66	1880.97	1682.00	1472.48	1231.37	1039.42	880.24
315.0	2123.25	1927.79	1721.21	1136.39	1136.39	1090.57	883.05	738.26	609.16
360.0	2083.46	1889.75	1648.64	1163.54	1163.54	1072.83	868.06	722.05	562.11

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	454.72	367.52	279.62	226.89	187.56	157.19	128.46	111.60	98.61
45.0	598.16	458.87	368.17	295.01	295.01	182.53	152.74	129.33	107.27
90.0	515.64	412.41	326.61	244.92	198.68	163.69	131.68	112.60	98.73
135.0	790.11	612.20	491.65	389.82	309.06	309.06	186.86	155.14	131.15
180.0	807.08	665.46	513.30	413.23	329.54	311.40	311.40	161.58	135.42
225.0	632.98	483.51	385.78	306.83	230.81	187.39	155.03	125.41	108.56
270.0	699.99	568.31	451.27	339.49	299.69	299.69	162.93	137.41	117.57
315.0	470.35	378.93	304.79	231.87	189.55	158.24	133.96	112.13	99.08
360.0	454.72	367.52	279.62	226.89	187.56	157.19	128.46	111.60	98.61

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	85.79	77.60	70.75	64.90	59.05	55.07	50.68	47.64	45.06
45.0	94.34	81.99	74.27	67.53	60.57	56.12	52.14	48.98	46.47
90.0	85.03	76.43	69.29	62.21	57.53	53.49	50.21	46.82	44.54
135.0	113.59	97.15	87.08	78.71	70.23	64.67	58.87	55.13	52.14
180.0	116.34	98.90	88.37	78.19	71.69	66.13	60.34	56.53	53.20
225.0	95.74	85.91	77.83	69.76	64.32	59.75	55.07	51.79	49.04
270.0	99.96	89.60	81.11	74.09	66.66	61.80	57.64	54.02	50.21
315.0	88.84	80.41	71.87	66.13	60.04	56.24	52.79	49.10	46.58
360.0	85.79	77.60	70.75	64.90	59.05	55.07	50.68	47.64	45.06

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	42.84	40.61	39.15	37.75	36.52	35.11	34.12	33.18	32.36
45.0	43.48	41.55	39.85	38.39	36.69	35.52	34.41	33.24	32.25
90.0	42.43	40.73	38.74	37.40	35.82	34.76	33.77	32.66	31.84
135.0	48.81	46.41	44.36	42.60	40.50	39.03	37.75	36.52	35.05
180.0	50.33	47.23	45.06	43.13	41.32	39.44	38.10	36.81	35.35
225.0	45.94	43.83	41.43	39.85	38.27	36.87	35.64	34.24	33.18
270.0	47.46	45.18	42.66	40.85	39.03	37.51	36.11	34.94	33.53
315.0	44.42	42.02	40.32	38.80	37.40	35.87	34.76	33.71	32.66
360.0	42.84	40.61	39.15	37.75	36.52	35.11	34.12	33.18	32.36

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	31.43	30.67	29.79	29.03	28.38	27.51	26.80	26.10	25.28
45.0	31.25	30.49	29.79	28.91	28.27	27.56	26.92	26.10	25.52
90.0	31.02	30.08	29.38	28.62	27.97	27.15	26.39	25.75	25.16
135.0	33.94	33.01	31.95	31.08	30.26	29.20	28.38	27.56	26.63
180.0	34.29	33.30	32.13	31.25	30.26	29.50	28.73	28.03	27.15
225.0	32.19	31.31	30.26	29.44	28.56	27.80	27.15	26.28	25.63
270.0	32.48	31.54	30.78	29.85	29.20	28.38	27.62	26.69	25.87
315.0	31.49	30.55	29.73	28.73	27.97	27.04	26.22	25.52	24.87
360.0	31.43	30.67	29.79	29.03	28.38	27.51	26.80	26.10	25.28

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	24.70	24.11	23.53	22.82	22.24	21.71	21.13	20.48	19.90
45.0	24.93	24.35	23.58	23.06	22.47	21.77	21.24	20.72	20.07
90.0	24.40	23.82	23.23	22.53	22.00	21.30	20.78	20.25	19.72
135.0	25.81	25.11	24.52	23.82	23.17	22.59	22.12	21.36	20.83
180.0	26.39	25.81	25.22	24.46	23.82	23.29	22.71	22.06	21.48
225.0	25.05	24.29	23.70	23.12	22.53	21.83	21.30	20.78	20.25
270.0	25.11	24.52	23.88	23.17	22.59	22.00	21.48	20.78	20.25
315.0	24.11	23.53	22.88	22.30	21.59	21.07	20.54	19.84	19.31
360.0	24.70	24.11	23.53	22.82	22.24	21.71	21.13	20.48	19.90

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	19.31	18.84	18.38	17.97	17.56	17.15	16.74	16.27	15.98
45.0	19.55	18.90	18.43	18.02	17.62	17.21	16.80	16.44	16.09
90.0	19.08	18.55	18.14	17.67	17.32	16.85	16.62	16.21	15.92
135.0	20.31	19.61	19.08	18.49	17.97	17.50	17.09	16.74	16.39
180.0	20.83	20.31	19.61	19.20	18.73	18.14	17.67	17.44	17.21
225.0	19.61	19.08	18.55	18.14	17.73	17.26	16.97	16.68	16.27
270.0	19.66	19.08	18.55	18.02	17.56	17.09	16.80	16.44	16.09
315.0	18.84	18.26	17.85	17.44	16.97	16.62	16.33	16.04	15.92
360.0	19.31	18.84	18.38	17.97	17.56	17.15	16.74	16.27	15.98

Intensity data(cd)

C/γ(°)	90.0
0.0	15.98
45.0	15.98
90.0	15.92
135.0	16.09
180.0	16.56
225.0	15.98
270.0	15.86
315.0	15.92
360.0	15.98