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NT

Client:
LumCAT: 2-2680-L
Luminaire: 92.70.412.00
Report No: 2024322-B007
Ballast type: AC

Test No: 2024322-C007	Voltage(V): 34.710
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.577
Lamp flux(lm): 3486.0	Power (W): 20.027
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2881.35, Efficiency(%): 82.65% , Luminous Efficacy(lm/W): 143.87
Central intensity(cd): 6466.941, Maximum intensity(cd): 6466.941
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=37.0
[C90/270]Total=37.0
Field angle(10%Imax): [C0/180]Total=64.8
[C90/270]Total=64.8
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
Maximum s/h(1/4): C0_180=0.61 C90_270=0.61
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.65%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.144%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6466.941	0.000	0	0.00%	0.00%
1.0	6458.455	6.185	6.185	0.18%	0.21%
2.0	6426.048	18.493	24.678	0.53%	0.86%
3.0	6379.377	30.626	55.304	0.88%	1.92%
4.0	6307.467	42.467	97.771	1.22%	3.39%
5.0	6208.784	53.844	151.615	1.54%	5.26%
6.0	6073.012	64.544	216.159	1.85%	7.50%
7.0	5926.925	74.483	290.643	2.14%	10.09%
8.0	5758.746	83.632	374.275	2.40%	12.99%
9.0	5568.182	91.799	466.073	2.63%	16.18%
10.0	5343.236	98.744	564.818	2.83%	19.60%
11.0	5116.169	104.511	669.329	3.00%	23.23%
12.0	4884.054	109.317	778.645	3.14%	27.02%
13.0	4639.503	113.021	891.666	3.24%	30.95%
14.0	4383.906	115.499	1007.165	3.31%	34.95%
15.0	4136.283	116.969	1124.134	3.36%	39.01%
16.0	3872.053	117.345	1241.478	3.37%	43.09%
17.0	3616.895	116.623	1358.101	3.35%	47.13%
18.0	3352.154	114.905	1473.006	3.30%	51.12%
19.0	3104.019	112.324	1585.33	3.22%	55.02%
20.0	2820.185	108.429	1693.76	3.11%	58.78%
21.0	2586.314	103.816	1797.575	2.98%	62.39%
22.0	2354.931	99.296	1896.872	2.85%	65.83%
23.0	2115.062	93.793	1990.664	2.69%	69.09%
24.0	1909.062	87.982	2078.646	2.52%	72.14%
25.0	1700.869	82.082	2160.728	2.35%	74.99%
26.0	1523.004	76.100	2236.828	2.18%	77.63%
27.0	1307.246	69.243	2306.07	1.99%	80.03%
28.0	1190.084	63.227	2369.298	1.81%	82.23%
29.0	1068.233	59.084	2428.382	1.69%	84.28%
30.0	930.691	53.971	2482.352	1.55%	86.15%
31.0	805.913	48.327	2530.679	1.39%	87.83%
32.0	693.104	42.945	2573.624	1.23%	89.32%
33.0	583.703	37.615	2611.24	1.08%	90.63%
34.0	486.380	32.384	2643.623	0.93%	91.75%
35.0	401.545	27.576	2671.199	0.79%	92.71%
36.0	331.479	23.340	2694.539	0.67%	93.52%
37.0	281.106	19.979	2714.518	0.57%	94.21%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	230.820	17.087	2731.605	0.49%	94.80%
39.0	169.488	13.664	2745.269	0.39%	95.28%
40.0	127.001	10.341	2755.609	0.30%	95.64%
41.0	101.683	8.143	2763.753	0.23%	95.92%
42.0	83.000	6.710	2770.463	0.19%	96.15%
43.0	69.964	5.666	2776.129	0.16%	96.35%
44.0	60.571	4.927	2781.055	0.14%	96.52%
45.0	53.621	4.389	2785.444	0.13%	96.67%
46.0	48.581	3.997	2789.441	0.11%	96.81%
47.0	44.367	3.697	2793.138	0.11%	96.94%
48.0	41.002	3.451	2796.589	0.10%	97.06%
49.0	37.937	3.242	2799.831	0.09%	97.17%
50.0	35.516	3.063	2802.893	0.09%	97.28%
51.0	33.394	2.915	2805.809	0.08%	97.38%
52.0	31.529	2.786	2808.594	0.08%	97.48%
53.0	29.905	2.672	2811.267	0.08%	97.57%
54.0	28.486	2.574	2813.84	0.07%	97.66%
55.0	27.315	2.491	2816.331	0.07%	97.74%
56.0	26.218	2.419	2818.75	0.07%	97.83%
57.0	25.289	2.355	2821.105	0.07%	97.91%
58.0	24.440	2.300	2823.405	0.07%	97.99%
59.0	23.716	2.251	2825.656	0.06%	98.07%
60.0	23.072	2.210	2827.867	0.06%	98.14%
61.0	22.531	2.176	2830.043	0.06%	98.22%
62.0	22.041	2.148	2832.191	0.06%	98.29%
63.0	21.573	2.121	2834.312	0.06%	98.37%
64.0	21.163	2.097	2836.409	0.06%	98.44%
65.0	20.797	2.077	2838.486	0.06%	98.51%
66.0	20.424	2.057	2840.542	0.06%	98.58%
67.0	20.081	2.037	2842.579	0.06%	98.65%
68.0	19.781	2.019	2844.598	0.06%	98.72%
69.0	19.539	2.006	2846.604	0.06%	98.79%
70.0	19.298	1.995	2848.599	0.06%	98.86%
71.0	19.071	1.983	2850.582	0.06%	98.93%
72.0	18.720	1.965	2852.547	0.06%	99.00%
73.0	18.288	1.935	2854.482	0.06%	99.07%
74.0	17.857	1.900	2856.382	0.05%	99.13%
75.0	17.367	1.861	2858.243	0.05%	99.20%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.920	1.820	2860.064	0.05%	99.26%
77.0	16.357	1.774	2861.838	0.05%	99.32%
78.0	15.896	1.727	2863.564	0.05%	99.38%
79.0	15.443	1.684	2865.248	0.05%	99.44%
80.0	14.989	1.641	2866.889	0.05%	99.50%
81.0	14.506	1.595	2868.484	0.05%	99.55%
82.0	14.133	1.553	2870.037	0.04%	99.61%
83.0	13.753	1.516	2871.553	0.04%	99.66%
84.0	13.475	1.483	2873.036	0.04%	99.71%
85.0	13.168	1.454	2874.49	0.04%	99.76%
86.0	12.846	1.422	2875.912	0.04%	99.81%
87.0	12.575	1.391	2877.303	0.04%	99.86%
88.0	12.363	1.366	2878.669	0.04%	99.91%
89.0	12.151	1.344	2880.013	0.04%	99.95%
90.0	12.143	1.332	2881.345	0.04%	100.00%

Zonal flux distribution table

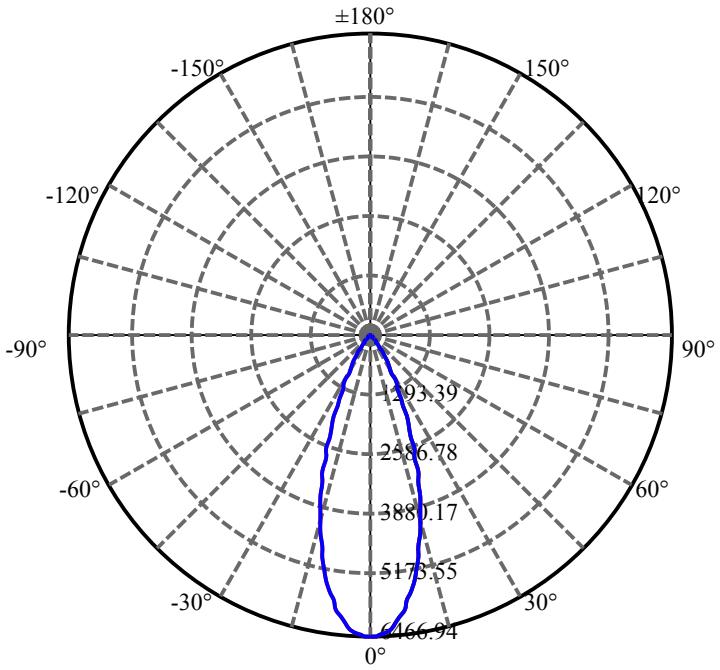
ZONAL LUMEN SUMMARY

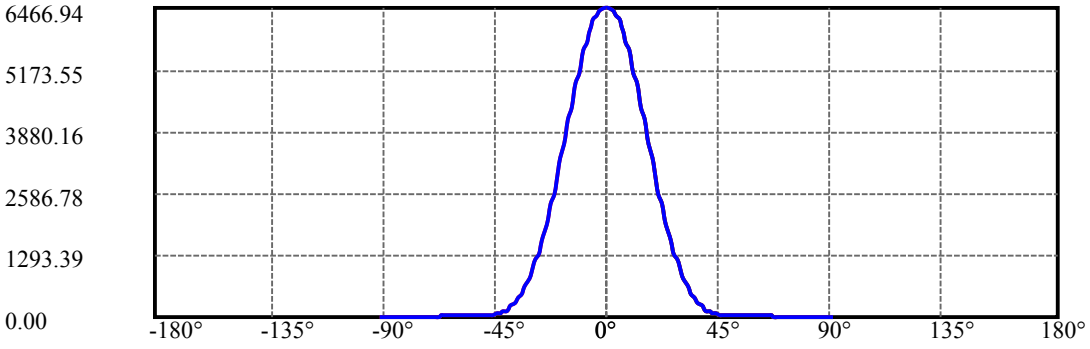
Zone	Lumens	%Lamp	%Fixt
0-30	2482.35	71.21%	86.15%
0-40	2755.61	79.05%	95.64%
0-60	2827.87	81.12%	98.14%
0-90	2880.01	82.62%	99.95%
0-120	2880.01	82.62%	99.95%
0-180	2881.35	82.65%	100.00%
60-90	52.15	1.50%	1.81%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.99	2305.08	66.12%	80.00%

ZONAL LUMEN SUMMARY

0-10	564.82
10-20	1128.94
20-30	788.59
30-40	273.26
40-50	47.28
50-60	24.97
60-70	20.73
70-80	18.29
80-90	13.12
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):

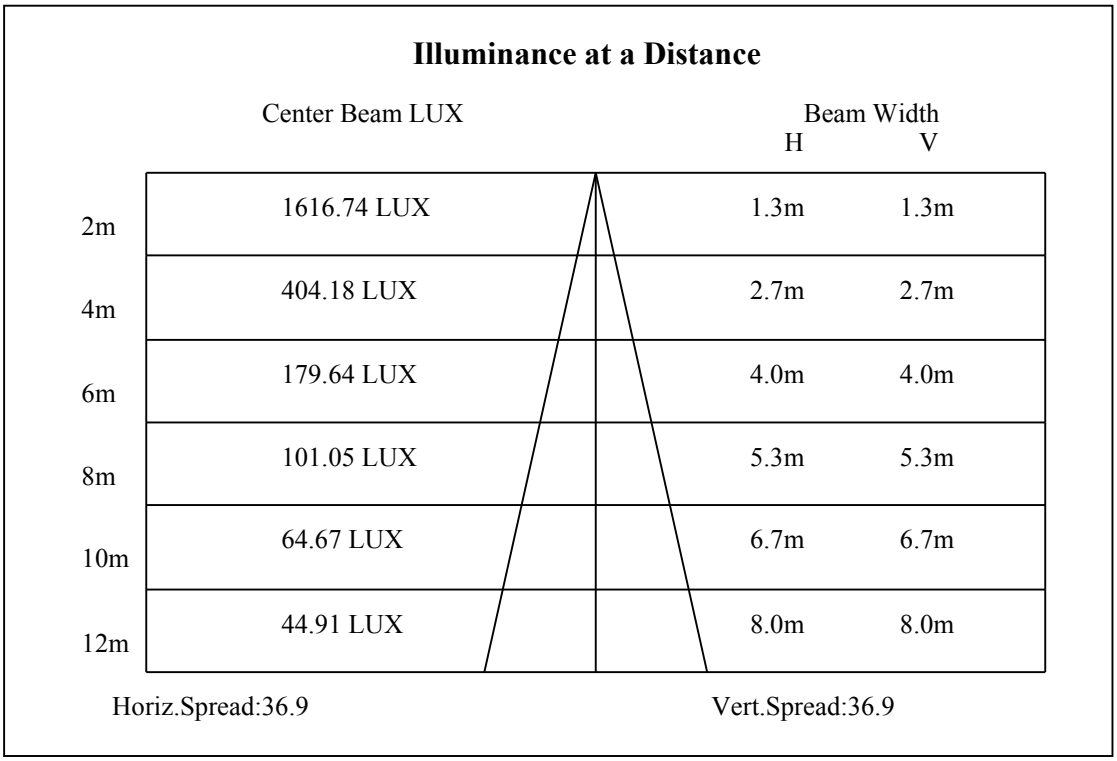
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:32.4 Right:32.4
:C90/270Left:32.4 Right:32.4

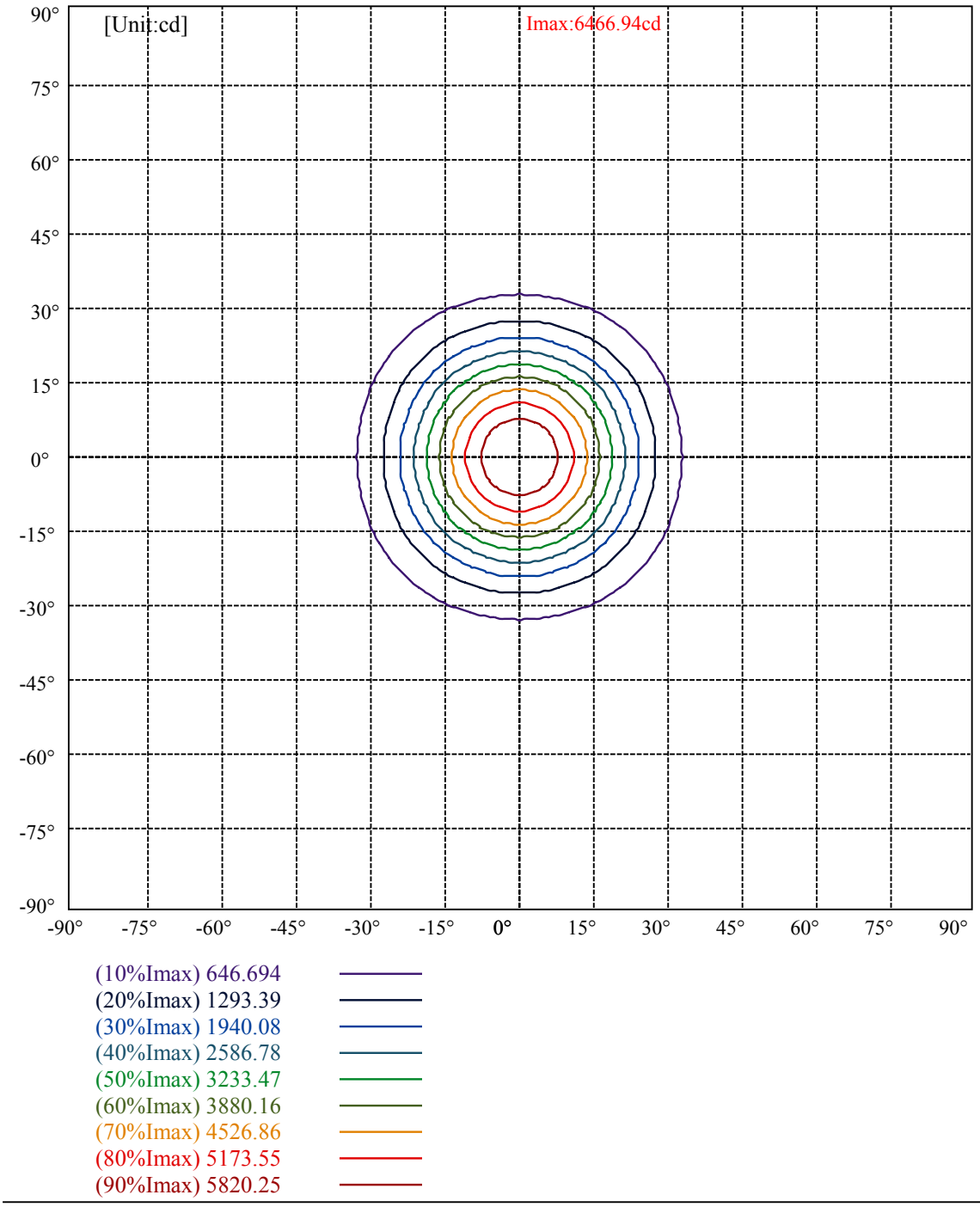
Beam Angle(50%Imax):C0/180Left:18.5 Right:18.5
:C90/270Left:18.5 Right:18.5

Lux distance Curve



Equipment: GMS1980 Date: 2024/3/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

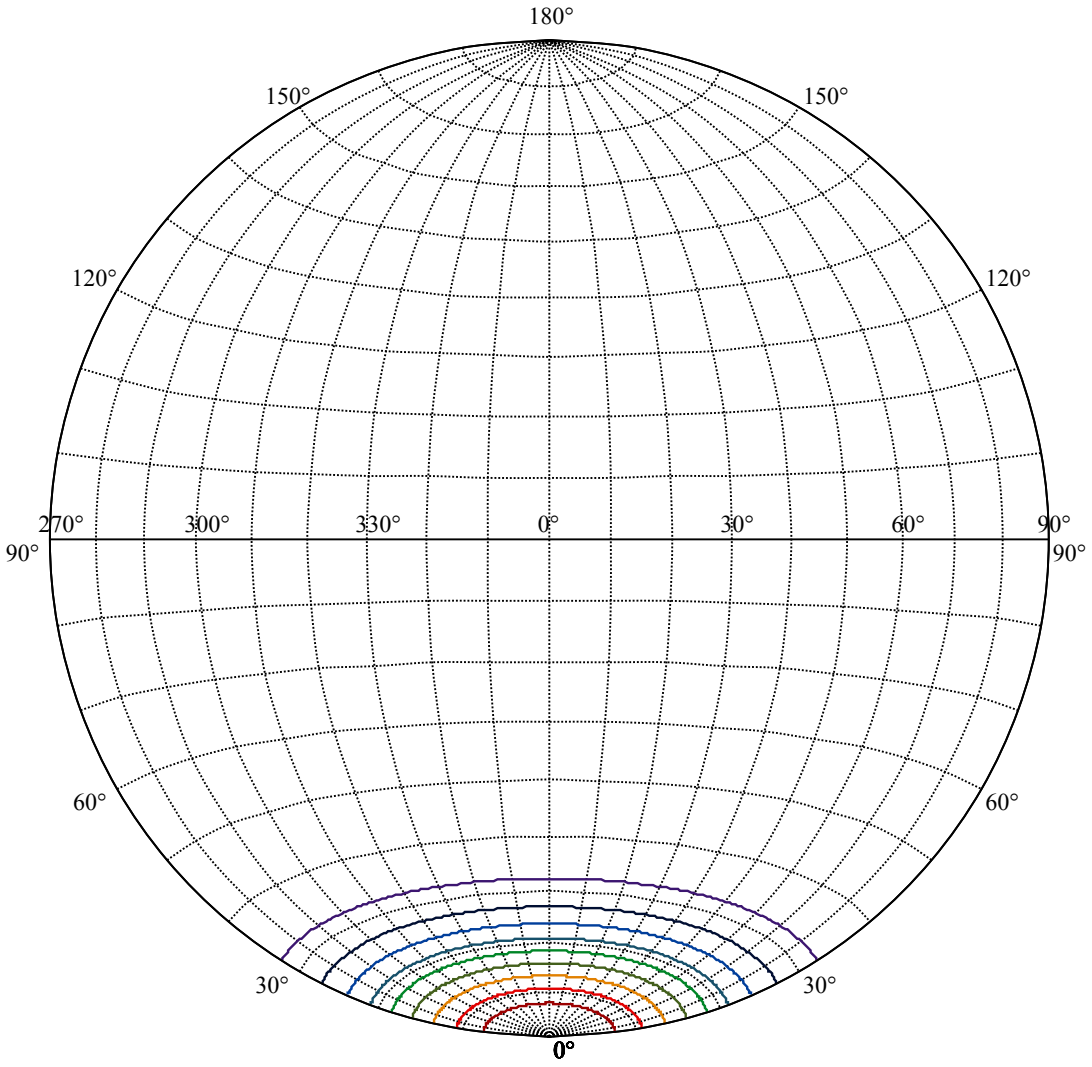


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:6466.94

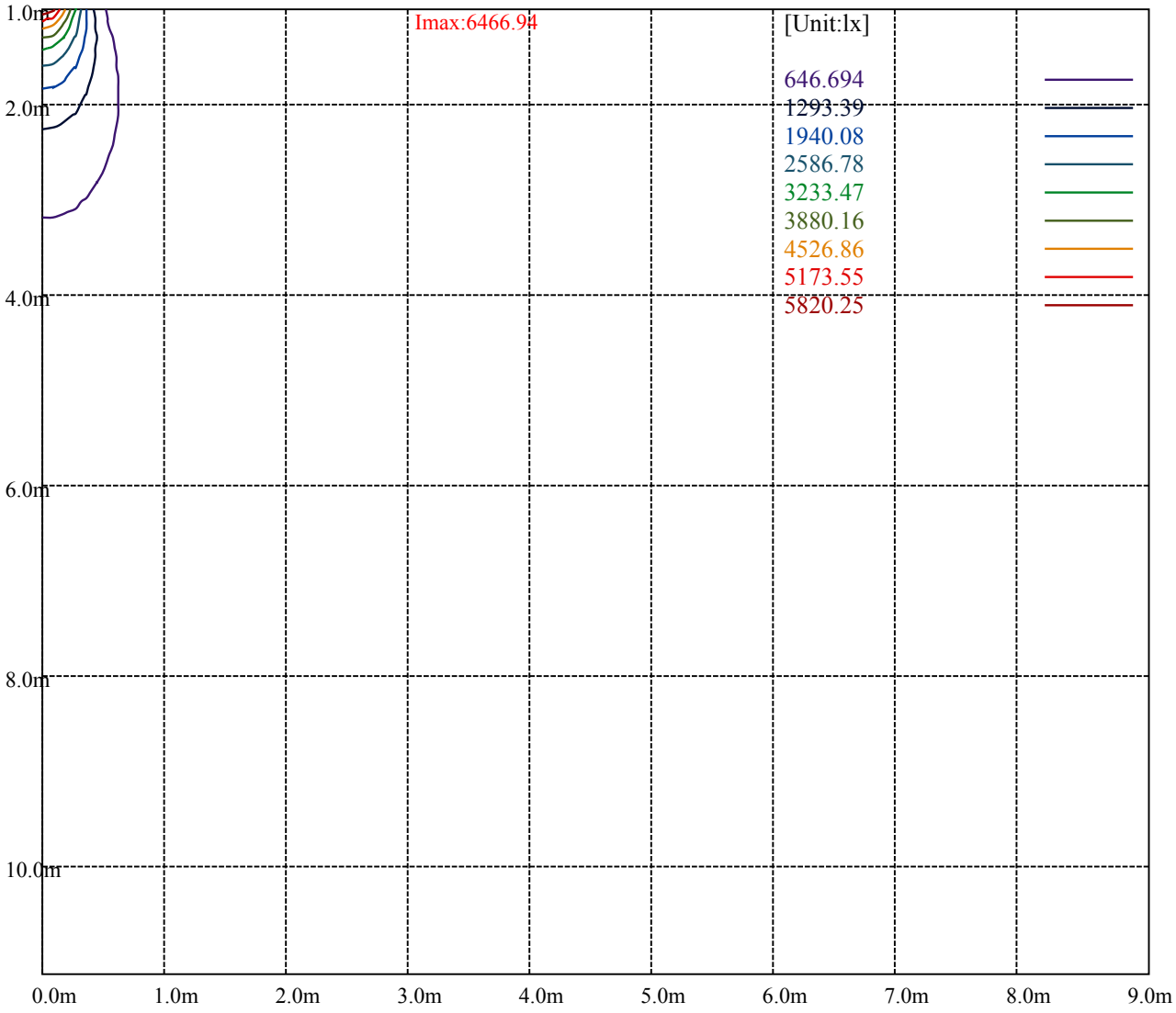
(10%Imax) 646.694
(20%Imax) 1293.39
(30%Imax) 1940.08
(40%Imax) 2586.78
(50%Imax) 3233.47
(60%Imax) 3880.16
(70%Imax) 4526.86
(80%Imax) 5173.55
(90%Imax) 5820.25

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/22
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2680-L

Luminance Limitting Curve(no luminous side)

Luminance Table

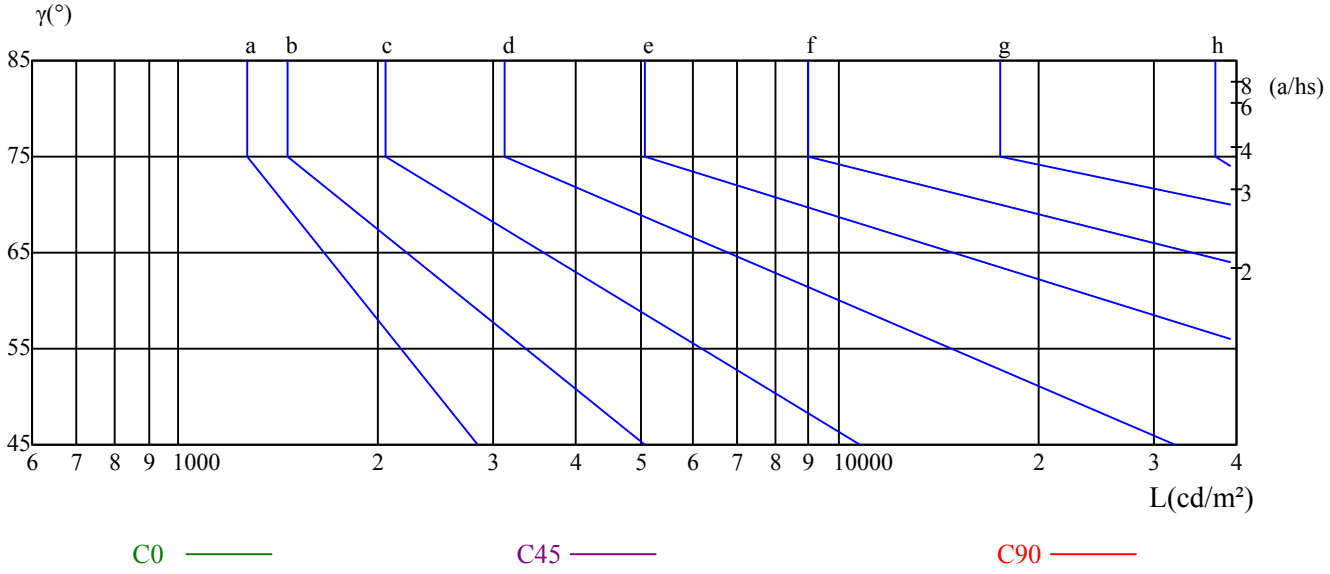
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

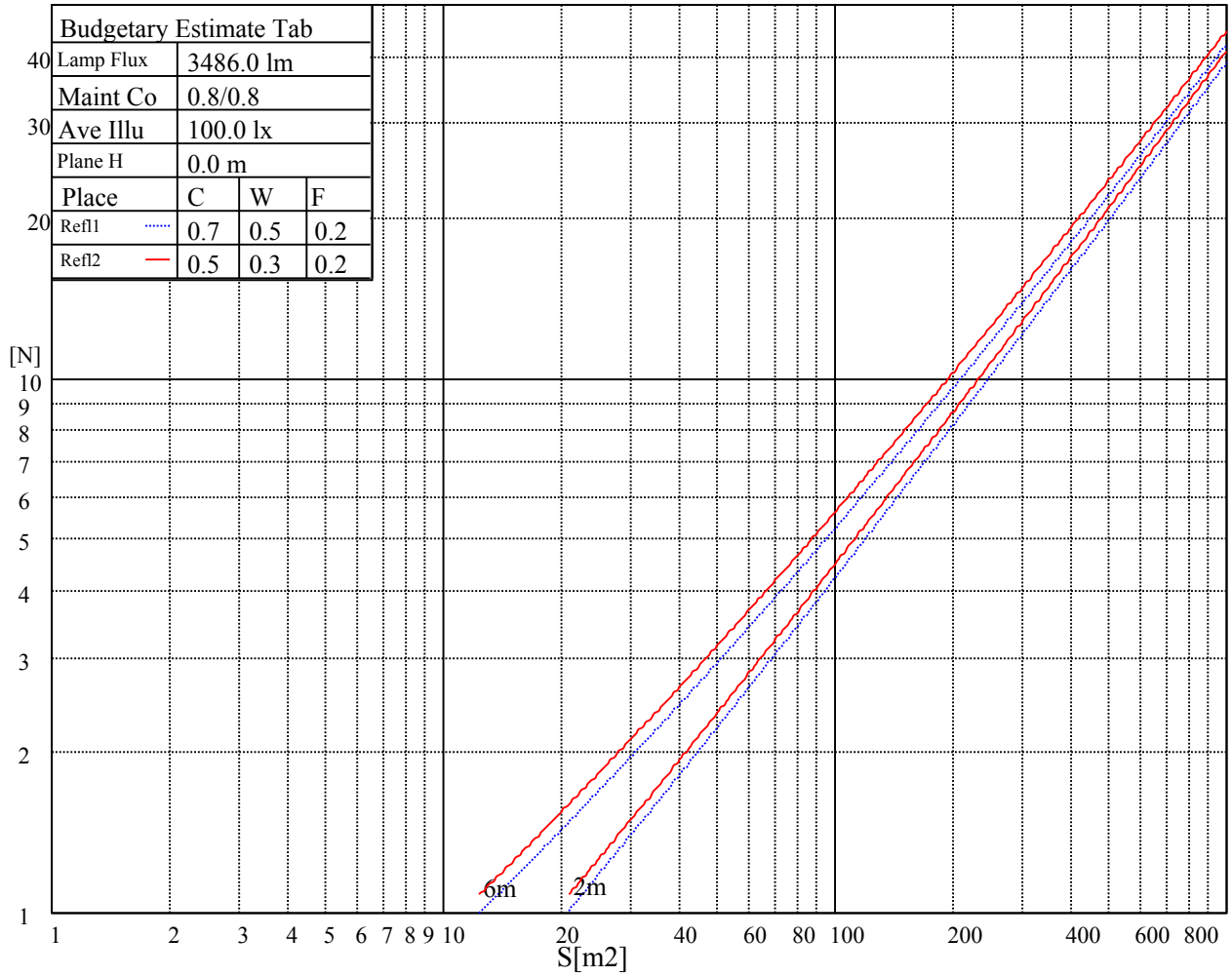
Luminance Limitting Curve



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

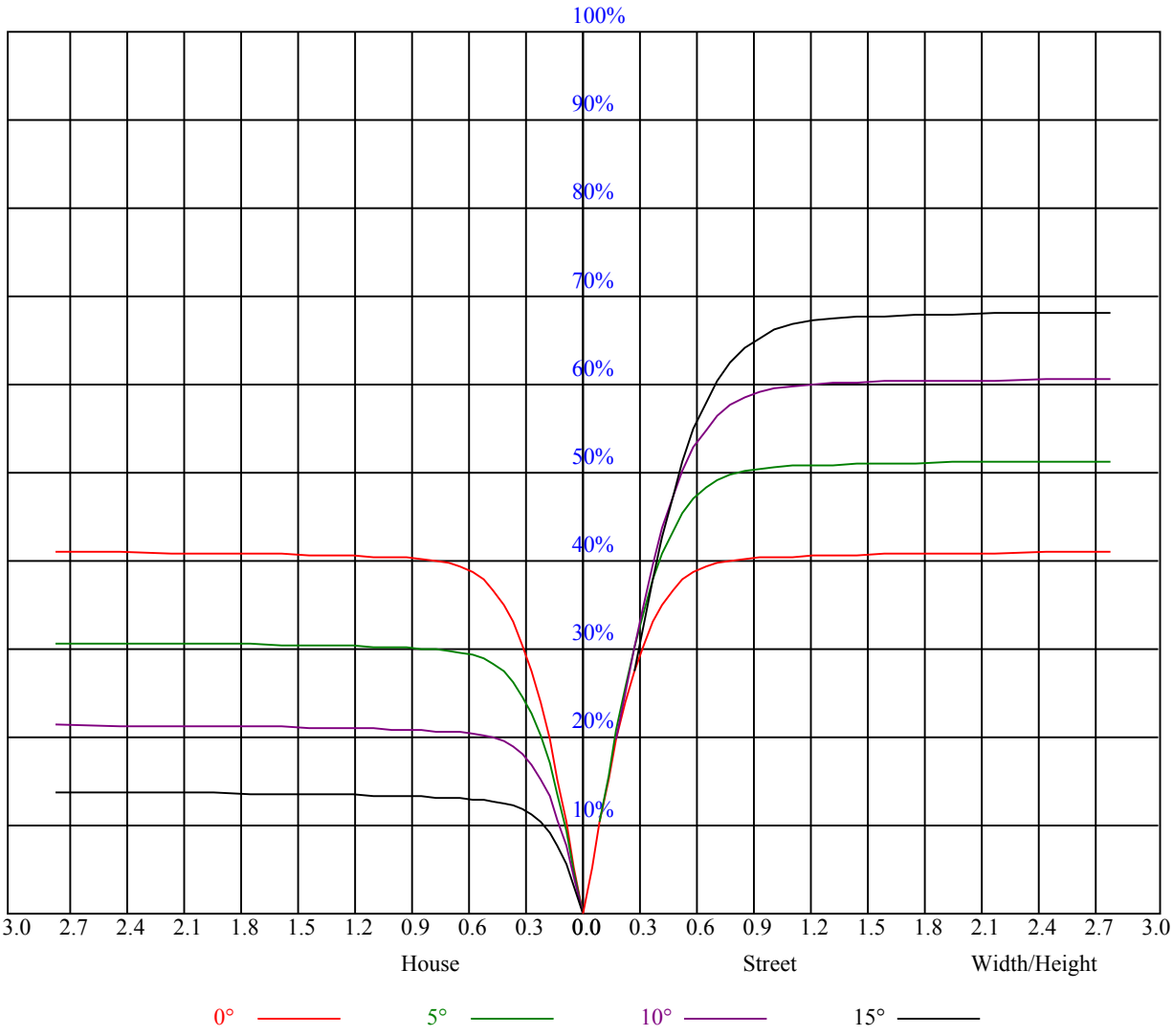


Equipment: GMS1980 Date: 2024/3/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

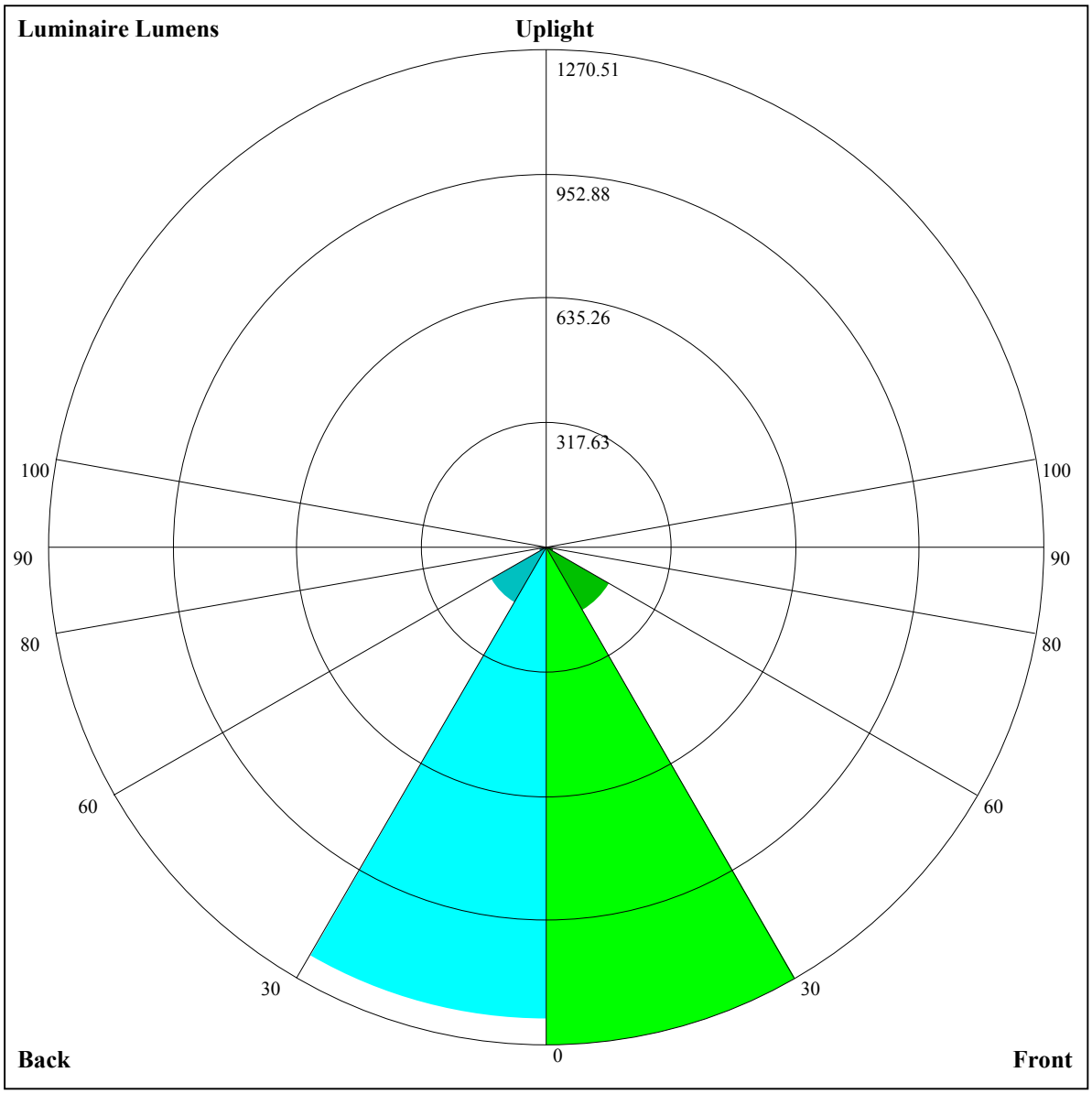
Utilization factor table for indoor luminaire

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	0.98	0.98	0.98	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.83
1	0.92	0.90	0.88	0.90	0.89	0.87	0.87	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78
2	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.80	0.78	0.80	0.78	0.77	0.78	0.76	0.75	0.74
3	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
4	0.77	0.73	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.68	0.72	0.70	0.68	0.67
5	0.74	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.69	0.66	0.64	0.63
6	0.70	0.66	0.63	0.70	0.66	0.63	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.61	0.60
7	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.58
8	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.61	0.58	0.56	0.55
9	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53
10	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.57	0.54	0.52	0.51

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/22	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1270.51,FM=185.3,FH=19.1,FVH=7.28
BL=1207.27,BM=163.33,BH=19.69,BVH=7.21
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	6479.08	6490.20	6466.79	6423.49	6350.33	6259.04	6126.19	5992.76	5854.06
45.0	6455.68	6476.74	6478.50	6446.31	6408.86	6347.99	6226.85	6110.39	5986.33
90.0	6465.04	6439.87	6388.96	6338.63	6273.09	6156.04	5988.08	5842.36	5675.57
135.0	6467.97	6455.09	6419.39	6353.85	6298.25	6209.88	6086.98	5919.02	5755.16
180.0	6479.08	6455.09	6411.78	6356.19	6285.96	6173.60	6042.51	5893.27	5724.73
225.0	6455.68	6424.66	6367.89	6305.86	6195.84	6072.94	5888.59	5725.90	5480.11
270.0	6465.04	6464.45	6439.87	6414.12	6349.16	6254.94	6140.82	6024.95	5841.19
315.0	6467.97	6461.53	6435.19	6396.57	6298.25	6195.84	6084.06	5906.73	5752.82
360.0	6479.08	6490.20	6466.79	6423.49	6350.33	6259.04	6126.19	5992.76	5854.06

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5685.52	5443.82	5235.48	5021.29	4749.74	4512.73	4270.45	4031.09	3728.53
45.0	5798.47	5625.24	5427.44	5166.42	4955.74	4738.04	4506.29	4199.63	3964.37
90.0	5488.30	5233.14	5016.61	4799.49	4519.75	4285.08	4041.62	3740.23	3503.22
135.0	5588.37	5334.97	5119.61	4898.39	4622.17	4392.76	4156.91	3853.18	3610.90
180.0	5489.47	5278.20	4993.20	4762.62	4529.11	4239.43	3997.73	3756.03	3459.32
225.0	5264.16	5048.21	4767.89	4547.84	4309.66	4010.61	3770.08	3529.55	3284.93
270.0	5669.13	5468.99	5261.82	4987.35	4767.89	4529.11	4225.38	3983.10	3743.16
315.0	5562.04	5313.32	5107.32	4889.03	4661.96	4363.50	4121.80	3883.61	3640.74
360.0	5685.52	5443.82	5235.48	5021.29	4749.74	4512.73	4270.45	4031.09	3728.53

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3490.93	3258.01	2954.86	2717.26	2484.34	2211.04	2012.06	1823.62	1606.50
45.0	3726.77	3490.34	3198.90	2967.15	2730.13	2444.54	2229.18	1979.87	1794.94
90.0	3265.61	2974.76	2740.67	2502.48	2279.51	2016.74	1830.06	1663.85	1506.43
135.0	3370.95	3135.11	2841.33	2608.41	2380.17	2163.05	1910.82	1729.98	1566.71
180.0	3211.77	2953.69	2654.05	2422.89	2205.19	1992.75	1804.89	1597.72	1433.27
225.0	2981.19	2738.91	2502.48	2277.75	2014.40	1825.38	1649.81	1328.52	1145.69
270.0	3434.16	3187.19	2878.78	2639.42	2411.19	2188.80	1948.27	1774.46	1590.11
315.0	3335.84	3094.14	2790.41	2555.15	2334.52	2078.19	1887.41	1708.92	1540.37
360.0	3490.93	3258.01	2954.86	2717.26	2484.34	2211.04	2012.06	1823.62	1606.50

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1331.45	1158.92	1158.92	998.80	878.36	763.37	656.39	536.01	451.27
45.0	1619.38	1459.02	1272.92	1139.49	1011.33	891.36	750.32	644.98	547.83
90.0	1144.00	1144.00	1048.84	899.90	786.78	679.33	557.02	470.23	376.12
135.0	1374.17	1228.45	1061.66	937.00	819.96	710.52	585.87	495.16	415.57
180.0	1248.34	1112.57	980.31	828.15	714.03	610.45	517.98	416.15	347.10
225.0	1145.69	1012.38	855.54	738.50	606.29	513.07	431.02	359.50	280.79
270.0	1429.76	1240.15	1104.38	970.36	846.29	702.33	596.99	484.04	405.62
315.0	1165.18	1165.18	1063.30	933.32	784.26	674.41	574.05	484.98	388.06
360.0	1331.45	1158.92	1158.92	998.80	878.36	763.37	656.39	536.01	451.27

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	376.48	293.90	236.55	178.44	143.15	115.58	94.98	76.43	65.95
45.0	441.90	368.17	300.86	300.86	177.26	140.86	107.74	88.66	74.79
90.0	309.17	250.71	200.26	150.17	120.56	98.08	81.40	66.83	58.82
135.0	344.76	296.18	296.18	166.79	133.20	102.71	85.21	72.22	60.92
180.0	299.69	299.69	172.99	138.70	112.25	92.06	74.21	64.26	55.60
225.0	227.54	182.94	146.77	112.19	91.82	77.02	64.26	57.29	51.91
270.0	334.22	300.86	300.86	157.37	124.48	94.98	79.06	67.71	59.63
315.0	318.07	256.39	192.07	151.40	113.30	92.17	77.13	66.31	56.94
360.0	376.48	293.90	236.55	178.44	143.15	115.58	94.98	76.43	65.95

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	58.23	50.97	46.58	43.01	40.03	36.81	34.70	32.77	30.84
45.0	62.50	55.65	50.33	46.17	41.84	38.92	36.46	34.35	32.07
90.0	52.73	47.99	43.31	40.26	36.99	34.76	32.83	30.84	29.44
135.0	54.54	49.51	44.59	41.26	37.81	35.41	33.30	31.60	29.79
180.0	50.39	46.29	42.08	39.33	36.87	34.82	32.60	31.02	29.67
225.0	46.70	43.25	40.32	37.22	35.11	33.18	31.54	29.79	28.56
270.0	52.44	47.93	44.24	41.14	37.81	35.46	32.95	31.25	29.73
315.0	51.44	47.05	43.48	39.62	37.04	34.76	32.77	30.61	29.14
360.0	58.23	50.97	46.58	43.01	40.03	36.81	34.70	32.77	30.84

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.38	28.15	26.74	25.75	24.87	23.94	23.23	22.71	22.24
45.0	30.61	29.20	27.80	26.69	25.75	24.76	23.94	23.35	22.65
90.0	28.15	27.04	25.81	24.99	24.17	23.53	22.94	22.30	21.83
135.0	28.50	27.39	26.39	25.34	24.58	23.88	23.29	22.65	22.18
180.0	28.15	27.10	26.22	25.40	24.52	23.94	23.23	22.77	22.30
225.0	27.51	26.28	25.40	24.70	23.88	23.29	22.82	22.30	21.89
270.0	28.03	26.92	25.93	25.05	24.11	23.41	22.82	22.36	21.83
315.0	27.56	26.45	25.46	24.40	23.64	23.00	22.30	21.83	21.42
360.0	29.38	28.15	26.74	25.75	24.87	23.94	23.23	22.71	22.24

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.71	21.30	20.89	20.54	20.07	19.66	19.25	18.73	18.38
45.0	22.18	21.77	21.42	20.89	20.48	20.07	19.66	19.20	18.84
90.0	21.36	20.95	20.54	20.07	19.66	19.20	18.73	18.32	17.97
135.0	21.65	21.30	20.83	20.37	19.90	19.55	19.14	18.61	18.20
180.0	21.77	21.36	21.01	20.72	20.48	20.42	20.60	21.07	21.65
225.0	21.48	21.01	20.83	20.72	20.72	21.01	21.42	21.65	21.59
270.0	21.42	21.07	20.60	20.25	19.84	19.31	18.90	18.55	18.14
315.0	21.01	20.54	20.25	19.84	19.49	19.02	18.61	18.26	17.79
360.0	21.71	21.30	20.89	20.54	20.07	19.66	19.25	18.73	18.38

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.97	17.50	17.15	16.74	16.39	16.04	15.68	15.39	15.04
45.0	18.43	17.91	17.56	17.15	16.80	16.44	16.09	15.63	15.39
90.0	17.62	17.21	16.80	16.50	16.15	15.68	15.33	14.98	14.69
135.0	17.85	17.50	17.03	16.68	16.27	15.86	15.51	15.10	14.81
180.0	21.59	21.19	20.60	19.84	19.20	18.02	17.21	16.50	15.45
225.0	21.13	20.66	20.19	19.25	18.38	17.44	16.68	15.86	15.04
270.0	17.73	17.38	16.91	16.50	16.21	15.86	15.45	15.16	14.86
315.0	17.44	16.97	16.62	16.27	15.98	15.51	15.22	14.92	14.63
360.0	17.97	17.50	17.15	16.74	16.39	16.04	15.68	15.39	15.04

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.69	14.28	13.87	13.52	13.28	13.05	12.70	12.52	12.23
45.0	15.04	14.69	14.28	13.87	13.52	13.34	12.93	12.70	12.47
90.0	14.40	14.05	13.81	13.64	13.17	12.82	12.58	12.35	12.06
135.0	14.46	14.05	13.69	13.46	13.23	12.82	12.52	12.35	12.11
180.0	14.69	14.22	13.64	13.40	13.05	12.64	12.41	12.23	12.06
225.0	14.10	13.75	13.46	13.11	12.76	12.47	12.35	12.06	12.06
270.0	14.46	14.16	13.75	13.52	13.28	12.87	12.58	12.41	12.17
315.0	14.22	13.87	13.52	13.28	13.05	12.76	12.52	12.29	12.06
360.0	14.69	14.28	13.87	13.52	13.28	13.05	12.70	12.52	12.23

Intensity data(cd)

C/γ(°)	90.0
0.0	12.35
45.0	12.47
90.0	12.11
135.0	12.06
180.0	12.06
225.0	12.06
270.0	12.06
315.0	12.00
360.0	12.35