NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86-750-3771111
Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 2-2681-L
Luminaire: 92.70.412.00
Report No: 2024326-B011
Ballast type: AC

Test No: 2024326-C011	Voltage(V): 34.380
LampCAT: Fortimo_SLM_C_1210	Current(A): 0.720
Lamp flux(lm): 4230.0	Power (W): 24.681
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3486.54, Efficiency(%): 82.42% , Luminous Efficacy(lm/W): 141.26
Central intensity(cd): 6254.651, Maximum intensity(cd): 6254.651
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=44.4
[C90/270]Total=44.4
Field angle(10%Imax): [C0/180]Total=68.0
[C90/270]Total=68.0
Maximum s/h(1/2): C0_180=0.71 C90_270=0.71
Maximum s/h(1/4): C0_180=0.70 C90_270=0.70
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.42%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.838%

Equipment: GMS1980	Date: 2024/3/26	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	6254.651	0.000	0	0.00%	0.00%
1.0	6248.579	5.983	5.983	0.14%	0.17%
2.0	6228.462	17.908	23.891	0.42%	0.69%
3.0	6194.226	29.711	53.602	0.70%	1.54%
4.0	6142.507	41.295	94.897	0.98%	2.72%
5.0	6073.450	52.552	147.449	1.24%	4.23%
6.0	5988.812	63.390	210.84	1.50%	6.05%
7.0	5892.323	73.746	284.586	1.74%	8.16%
8.0	5777.034	83.515	368.101	1.97%	10.56%
9.0	5660.574	92.696	460.797	2.19%	13.22%
10.0	5516.170	101.145	561.942	2.39%	16.12%
11.0	5380.837	108.883	670.825	2.57%	19.24%
12.0	5224.069	115.927	786.752	2.74%	22.57%
13.0	5061.889	122.068	908.821	2.89%	26.07%
14.0	4877.909	127.229	1036.049	3.01%	29.72%
15.0	4700.147	131.492	1167.541	3.11%	33.49%
16.0	4503.877	134.865	1302.406	3.19%	37.36%
17.0	4305.778	137.190	1439.596	3.24%	41.29%
18.0	4097.365	138.550	1578.145	3.28%	45.26%
19.0	3878.271	138.760	1716.905	3.28%	49.24%
20.0	3658.081	137.936	1854.841	3.26%	53.20%
21.0	3421.869	135.949	1990.791	3.21%	57.10%
22.0	3182.805	132.724	2123.514	3.14%	60.91%
23.0	2955.737	128.803	2252.318	3.04%	64.60%
24.0	2724.061	124.181	2376.498	2.94%	68.16%
25.0	2486.972	118.488	2494.986	2.80%	71.56%
26.0	2256.613	111.973	2606.959	2.65%	74.77%
27.0	2021.133	104.656	2711.615	2.47%	77.77%
28.0	1748.074	95.428	2807.043	2.26%	80.51%
29.0	1484.109	84.563	2891.606	2.00%	82.94%
30.0	1271.248	74.394	2966	1.76%	85.07%
31.0	1129.404	66.807	3032.807	1.58%	86.99%
32.0	959.835	59.854	3092.661	1.41%	88.70%
33.0	784.494	51.389	3144.05	1.21%	90.18%
34.0	630.141	42.811	3186.861	1.01%	91.40%
35.0	500.894	35.126	3221.987	0.83%	92.41%
36.0	395.868	28.553	3250.54	0.68%	93.23%
37.0	309.891	23.018	3273.558	0.54%	93.89%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	259.920	19.020	3292.577	0.45%	94.44%
39.0	201.025	15.733	3308.31	0.37%	94.89%
40.0	138.450	11.840	3320.15	0.28%	95.23%
41.0	105.948	8.703	3328.853	0.21%	95.48%
42.0	87.520	7.029	3335.882	0.17%	95.68%
43.0	75.699	6.046	3341.928	0.14%	95.85%
44.0	67.608	5.409	3347.337	0.13%	96.01%
45.0	61.770	4.972	3352.309	0.12%	96.15%
46.0	57.791	4.676	3356.985	0.11%	96.28%
47.0	54.367	4.461	3361.446	0.11%	96.41%
48.0	51.917	4.297	3365.742	0.10%	96.54%
49.0	49.868	4.180	3369.922	0.10%	96.66%
50.0	48.062	4.083	3374.005	0.10%	96.77%
51.0	46.401	3.997	3378.002	0.09%	96.89%
52.0	44.982	3.921	3381.923	0.09%	97.00%
53.0	43.702	3.858	3385.781	0.09%	97.11%
54.0	42.465	3.798	3389.579	0.09%	97.22%
55.0	41.361	3.742	3393.321	0.09%	97.33%
56.0	40.205	3.686	3397.006	0.09%	97.43%
57.0	39.071	3.625	3400.631	0.09%	97.54%
58.0	37.996	3.564	3404.195	0.08%	97.64%
59.0	36.957	3.504	3407.699	0.08%	97.74%
60.0	35.940	3.444	3411.143	0.08%	97.84%
61.0	34.989	3.385	3414.528	0.08%	97.93%
62.0	34.038	3.326	3417.854	0.08%	98.03%
63.0	33.102	3.265	3421.119	0.08%	98.12%
64.0	32.143	3.202	3424.321	0.08%	98.22%
65.0	31.251	3.137	3427.458	0.07%	98.31%
66.0	30.395	3.076	3430.534	0.07%	98.39%
67.0	29.620	3.018	3433.552	0.07%	98.48%
68.0	29.013	2.970	3436.522	0.07%	98.57%
69.0	28.500	2.934	3439.456	0.07%	98.65%
70.0	27.930	2.898	3442.354	0.07%	98.73%
71.0	27.308	2.855	3445.209	0.07%	98.81%
72.0	26.445	2.795	3448.004	0.07%	98.89%
73.0	25.626	2.723	3450.727	0.06%	98.97%
74.0	24.945	2.659	3453.385	0.06%	99.05%
75.0	24.258	2.600	3455.985	0.06%	99.12%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	23.665	2.544	3458.529	0.06%	99.20%
77.0	23.080	2.492	3461.021	0.06%	99.27%
78.0	22.370	2.433	3463.454	0.06%	99.34%
79.0	21.748	2.370	3465.825	0.06%	99.41%
80.0	21.053	2.308	3468.132	0.05%	99.47%
81.0	20.395	2.241	3470.374	0.05%	99.54%
82.0	19.686	2.173	3472.547	0.05%	99.60%
83.0	18.676	2.085	3474.633	0.05%	99.66%
84.0	17.410	1.966	3476.598	0.05%	99.71%
85.0	16.130	1.831	3478.429	0.04%	99.77%
86.0	15.238	1.715	3480.144	0.04%	99.82%
87.0	14.777	1.643	3481.786	0.04%	99.86%
88.0	14.499	1.604	3483.39	0.04%	99.91%
89.0	14.316	1.579	3484.969	0.04%	99.96%
90.0	14.279	1.568	3486.537	0.04%	100.00%

Zonal flux distribution table

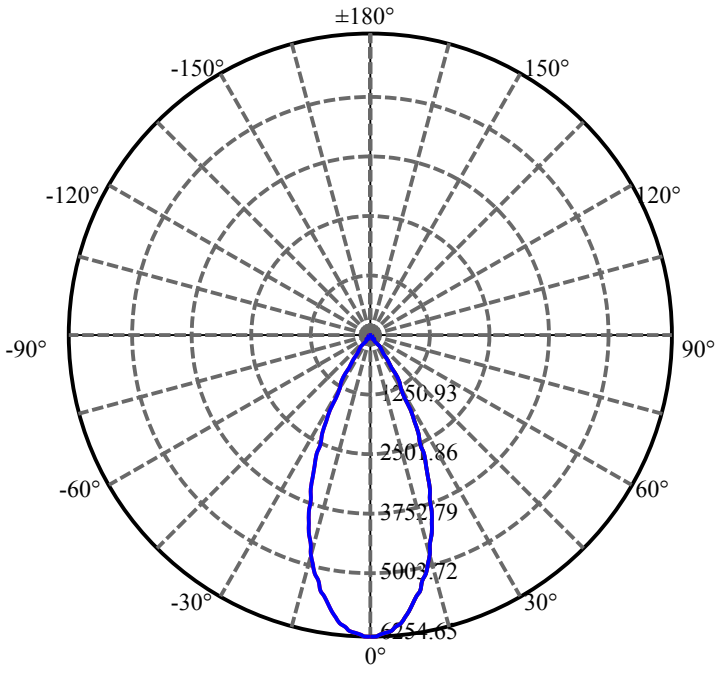
ZONAL LUMEN SUMMARY

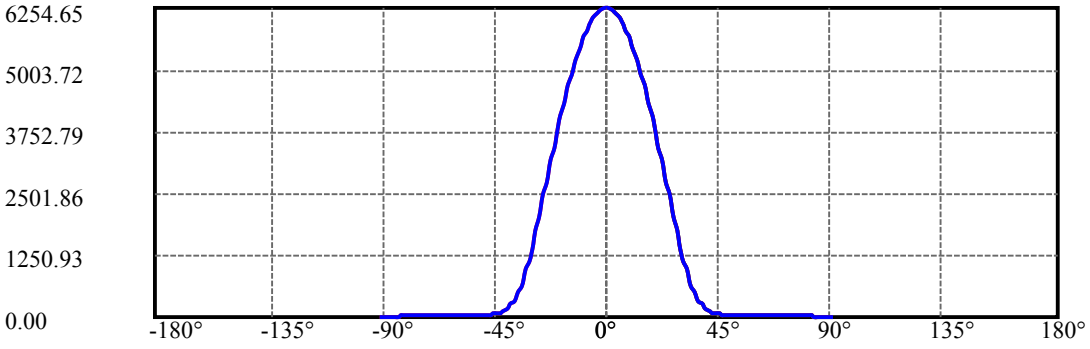
Zone	Lumens	%Lamp	%Fixt
0-30	2966.00	70.12%	85.07%
0-40	3320.15	78.49%	95.23%
0-60	3411.14	80.64%	97.84%
0-90	3484.97	82.39%	99.96%
0-120	3484.97	82.39%	99.96%
0-180	3486.54	82.42%	100.00%
60-90	73.83	1.75%	2.12%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.81	2789.23	65.94%	80.00%

ZONAL LUMEN SUMMARY

0-10	561.94
10-20	1292.90
20-30	1111.16
30-40	354.15
40-50	53.86
50-60	37.14
60-70	31.21
70-80	25.78
80-90	16.84
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:

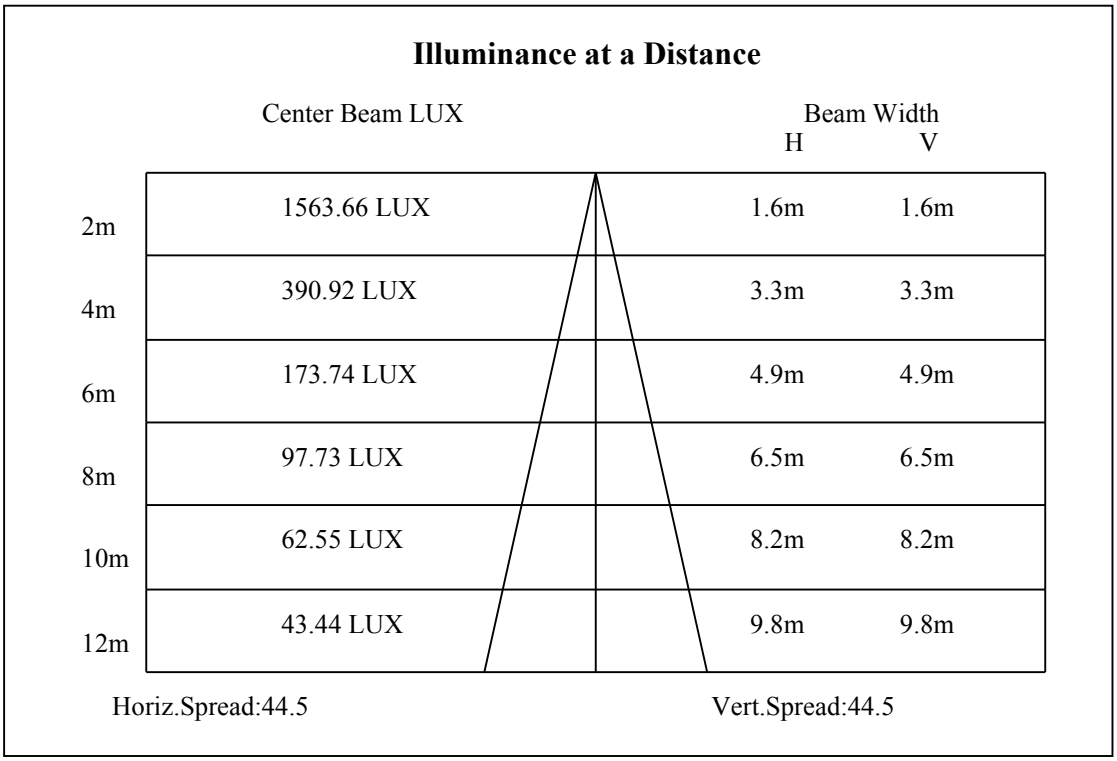
C90/C270:

Field angle(10%Imax):C0/180Left:34.0 Right:34.0
:C90/270Left:34.0 Right:34.0

Beam Angle(50%Imax):C0/180Left:22.2 Right:22.2
:C90/270Left:22.2 Right:22.2

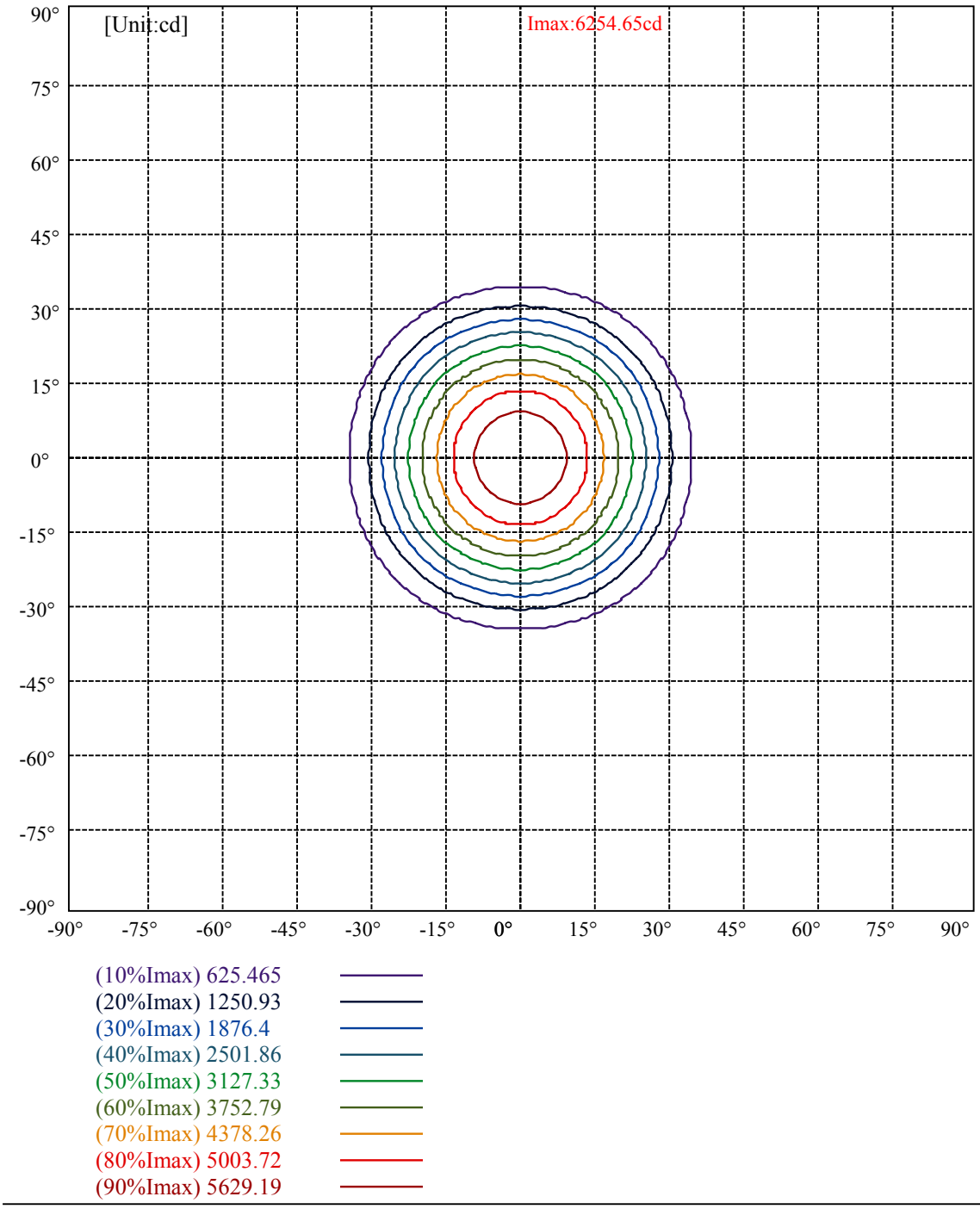
Equipment: GMS1980	Date: 2024/3/26	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Lux distance Curve



Equipment: GMS1980 Date: 2024/3/26 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)



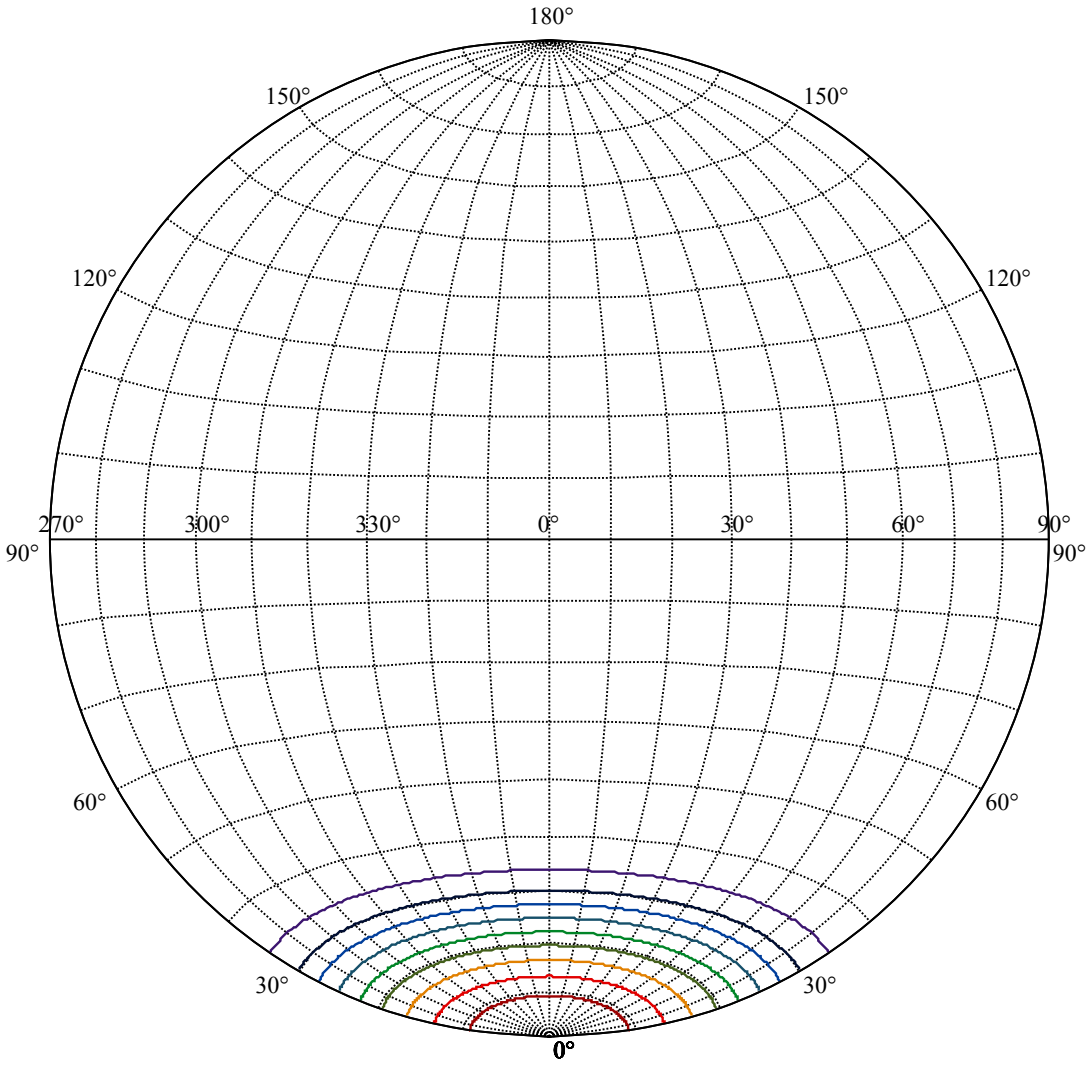
(10%Imax) 625.465
(20%Imax) 1250.93
(30%Imax) 1876.4
(40%Imax) 2501.86
(50%Imax) 3127.33
(60%Imax) 3752.79
(70%Imax) 4378.26
(80%Imax) 5003.72
(90%Imax) 5629.19

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



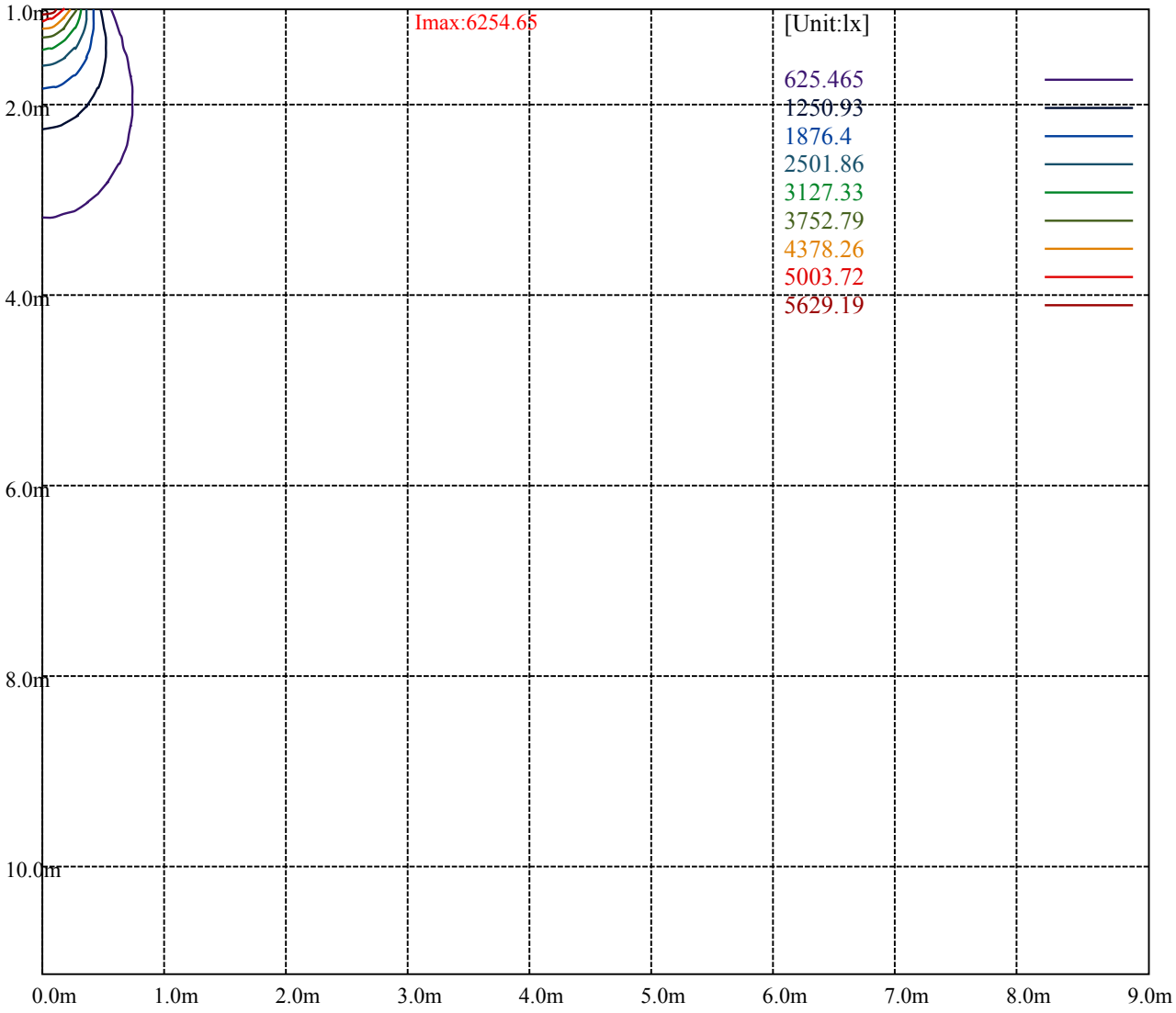
House [Unit:cd] Road

Imax:6254.65

(10%Imax) 625.465
(20%Imax) 1250.93
(30%Imax) 1876.4
(40%Imax) 2501.86
(50%Imax) 3127.33
(60%Imax) 3752.79
(70%Imax) 4378.26
(80%Imax) 5003.72
(90%Imax) 5629.19

Equipment: GMS1980	Date: 2024/3/26	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

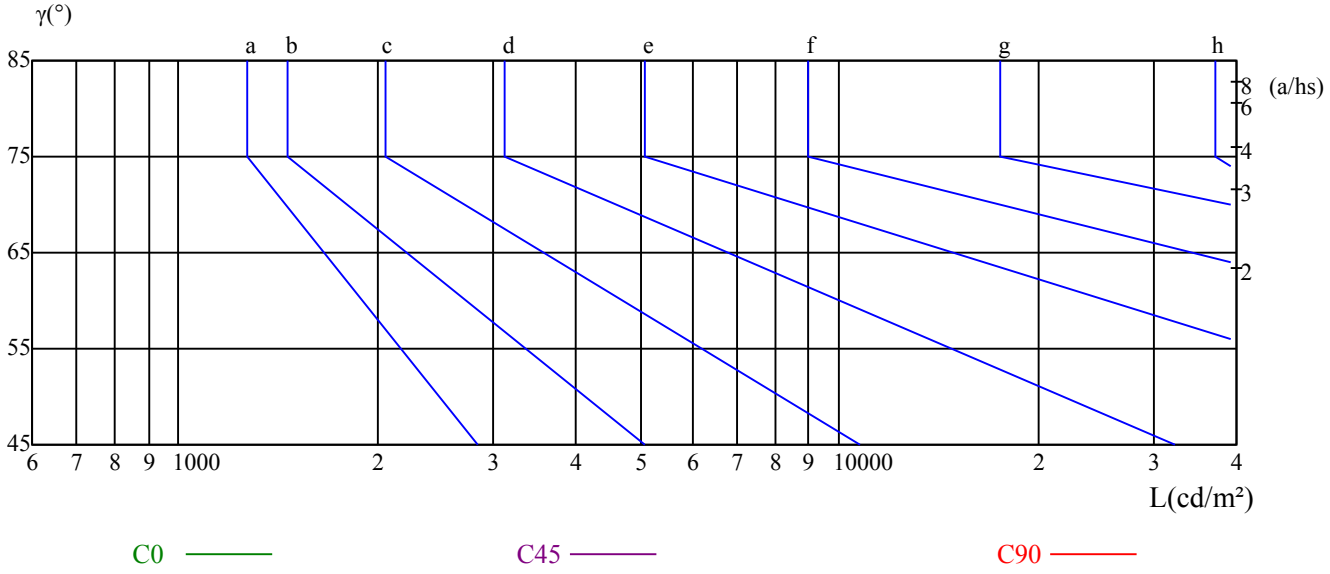
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

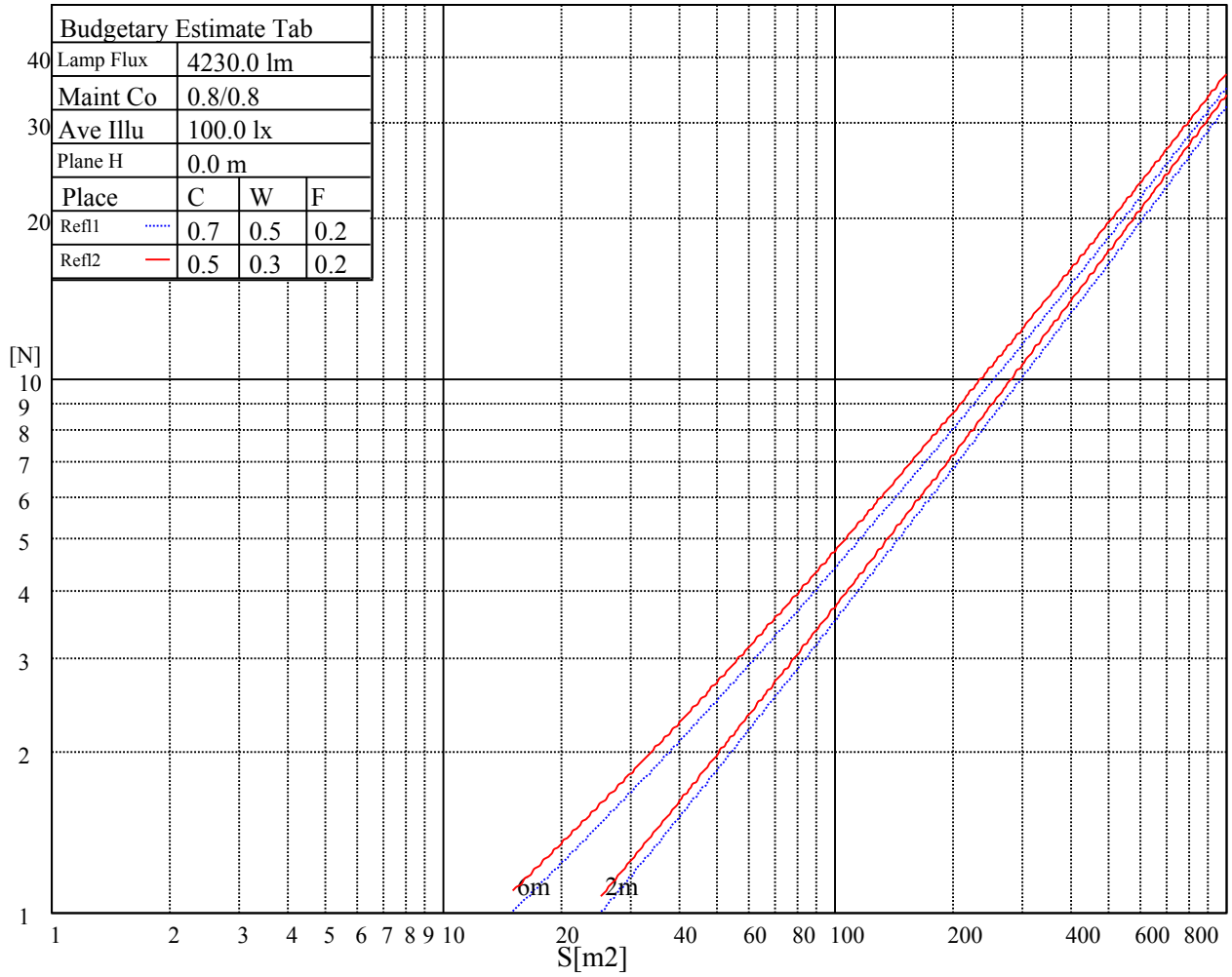
Luminance Limitting Curve



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

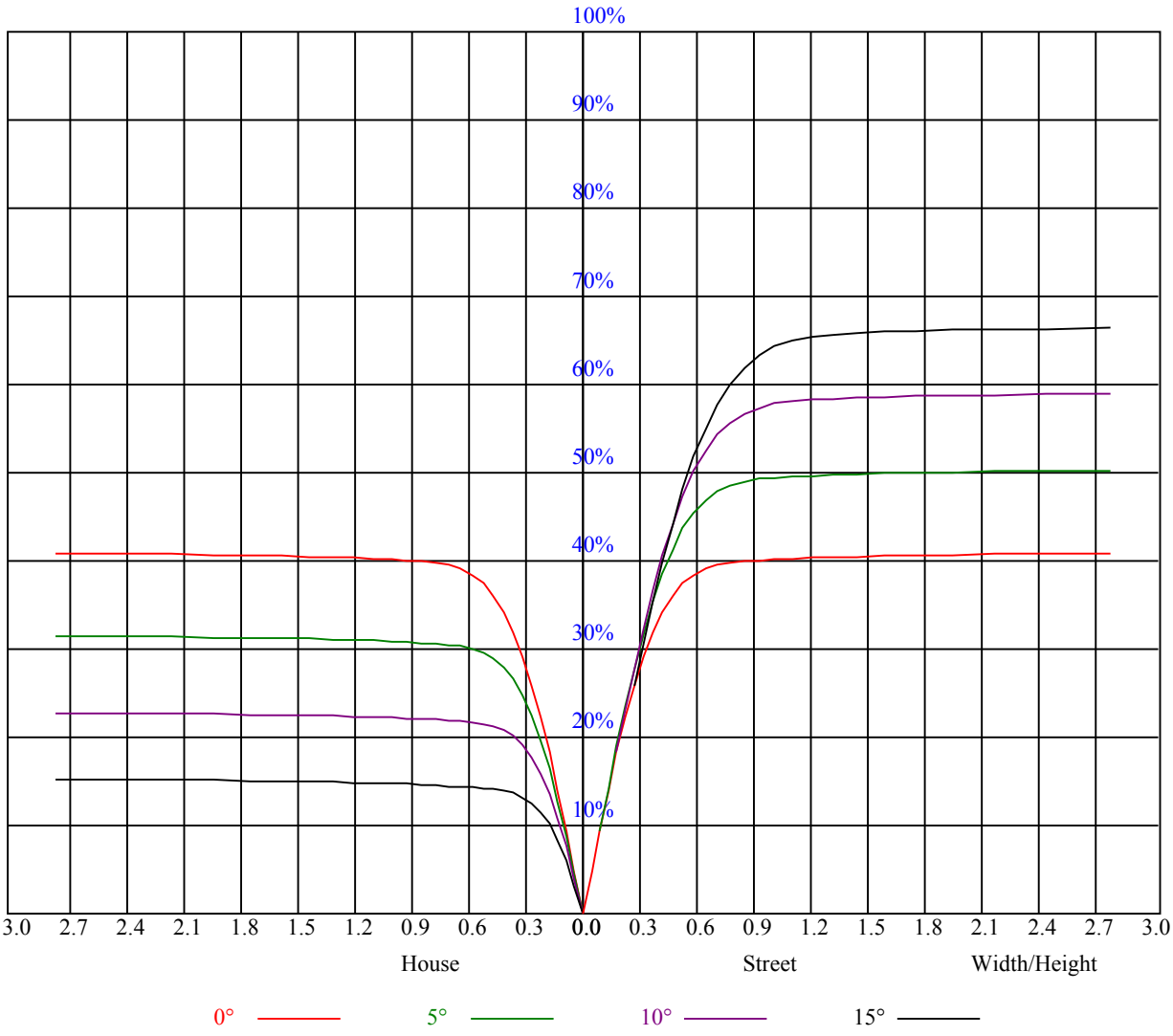


Equipment: GMS1980 Date: 2024/3/26 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

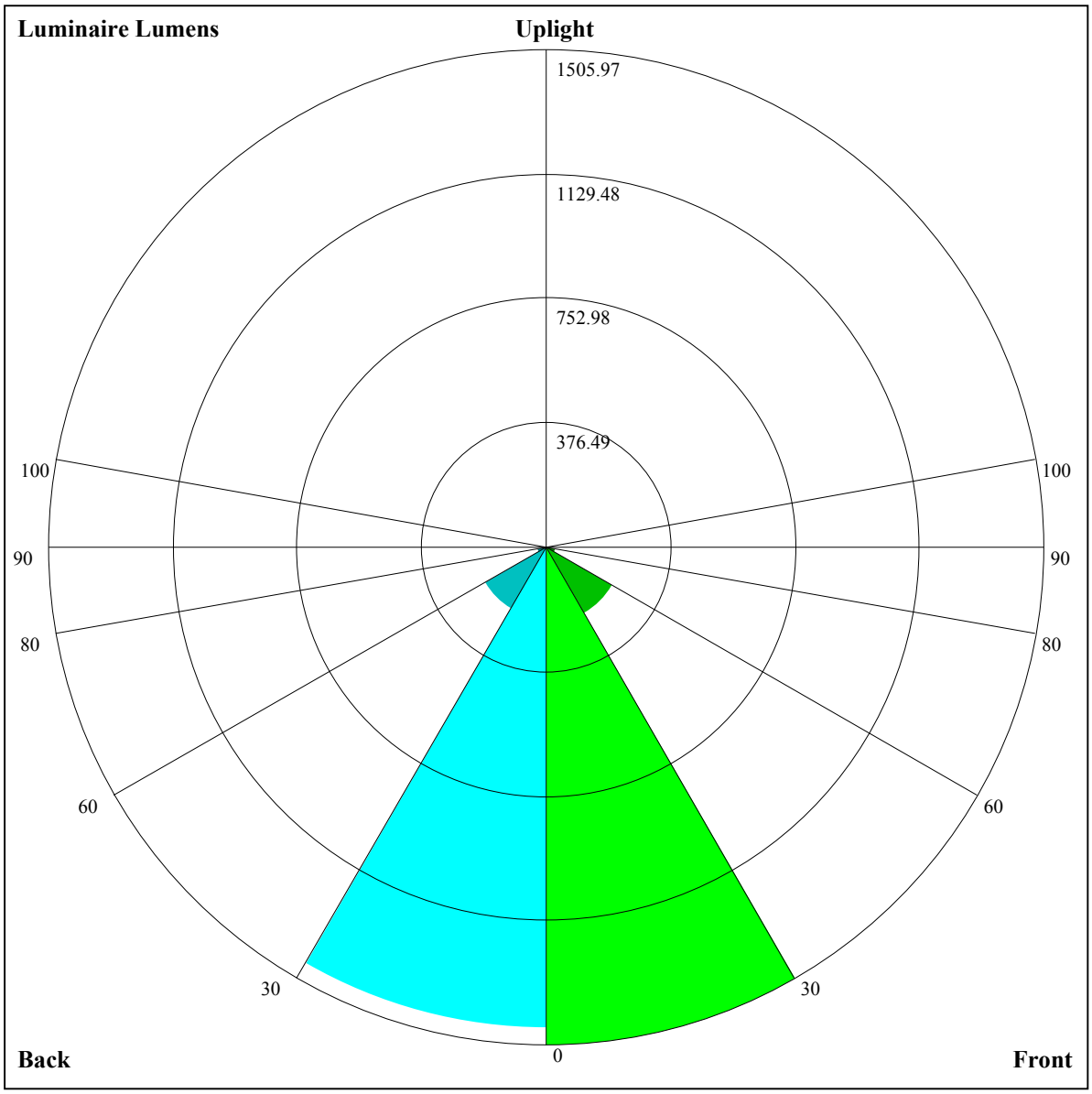
Utilization factor table for indoor luminaire

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	0.82
1	0.92	0.90	0.88	0.90	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.79	0.77
2	0.86	0.83	0.80	0.84	0.82	0.79	0.82	0.79	0.77	0.79	0.77	0.76	0.77	0.76	0.74	0.73
3	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
4	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.70	0.68	0.72	0.69	0.67	0.71	0.68	0.66	0.65
5	0.72	0.68	0.65	0.72	0.68	0.64	0.70	0.67	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
6	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.59
7	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.56
8	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.54	0.59	0.56	0.54	0.53
9	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.51
10	0.57	0.53	0.50	0.57	0.52	0.50	0.56	0.52	0.50	0.55	0.52	0.49	0.55	0.52	0.49	0.48

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/26	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1505.97,FM=233.46,FH=28.19,FVH=9.31
BL=1457.17,BM=212.96,BH=28.6,BVH=9.12
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	6261.38	6258.45	6243.24	6216.32	6167.74	6111.56	6041.92	5936.58	5838.85
45.0	6252.60	6257.87	6253.19	6232.12	6201.69	6154.28	6078.21	6002.71	5892.10
90.0	6255.53	6241.48	6216.32	6164.23	6108.05	6034.31	5932.48	5835.34	5731.17
135.0	6249.09	6247.34	6231.53	6201.69	6144.34	6078.79	6002.13	5913.17	5786.76
180.0	6261.38	6252.60	6228.61	6192.32	6140.24	6050.70	5967.60	5868.69	5730.58
225.0	6252.60	6236.80	6191.74	6137.31	6070.01	5989.25	5871.62	5765.11	5648.65
270.0	6255.53	6254.36	6242.07	6218.66	6165.40	6105.71	6033.14	5948.87	5825.39
315.0	6249.09	6239.73	6221.00	6191.15	6142.58	6062.99	5983.40	5868.11	5762.77
360.0	6261.38	6258.45	6243.24	6216.32	6167.74	6111.56	6041.92	5936.58	5838.85

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5729.41	5573.74	5439.14	5299.27	5105.56	4941.11	4768.47	4588.81	4361.16
45.0	5794.96	5683.76	5563.21	5402.27	5264.16	5111.41	4948.14	4733.36	4556.62
90.0	5617.05	5456.11	5315.07	5165.84	5012.51	4805.93	4628.02	4399.19	4212.51
135.0	5674.99	5519.32	5387.05	5244.84	5059.33	4893.12	4721.07	4497.51	4313.75
180.0	5611.20	5452.60	5310.39	5158.82	5004.90	4798.90	4624.51	4445.43	4255.81
225.0	5492.98	5357.79	5212.07	5024.22	4856.84	4643.82	4464.15	4277.47	4081.42
270.0	5719.46	5599.49	5468.40	5292.25	5144.77	4990.27	4782.52	4605.78	4374.03
315.0	5644.55	5486.54	5351.36	5205.05	5047.04	4838.70	4664.30	4483.47	4290.93
360.0	5729.41	5573.74	5439.14	5299.27	5105.56	4941.11	4768.47	4588.81	4361.16

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	4169.20	3975.49	3767.74	3495.02	3280.24	3019.82	2809.14	2587.92	2315.21
45.0	4373.44	4181.49	3936.87	3723.26	3452.30	3235.18	3023.92	2751.79	2525.30
90.0	4018.80	3757.20	3545.94	3332.33	3060.79	2839.57	2621.28	2405.92	2135.54
135.0	4124.14	3924.58	3667.08	3454.64	3236.35	3021.58	2754.13	2543.45	2326.33
180.0	4001.83	3784.12	3587.49	3363.35	3078.93	2866.49	2604.89	2388.36	2172.41
225.0	3869.57	3599.19	3380.32	3159.10	2941.40	2676.88	2463.27	2194.07	1976.95
270.0	4175.64	3961.45	3753.69	3490.93	3263.86	3042.06	2840.16	2561.59	2348.57
315.0	4046.30	3842.65	3625.53	3356.32	3148.57	2944.33	2675.71	2462.69	2252.59
360.0	4169.20	3975.49	3767.74	3495.02	3280.24	3019.82	2809.14	2587.92	2315.21

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	2097.50	1885.65	1679.65	1131.42	1131.42	1040.12	867.71	676.58	547.77
45.0	2304.67	2034.89	1817.77	1610.60	1404.01	1208.55	978.55	811.18	663.70
90.0	1923.11	1705.99	1148.04	1148.04	1056.86	885.56	697.24	567.43	429.56
135.0	2043.66	1817.18	1546.81	1347.25	1159.97	987.33	791.87	653.75	532.61
180.0	1907.89	1687.85	1474.83	1229.03	1042.34	880.82	728.66	558.36	446.59
225.0	1761.59	1143.18	1143.18	1096.89	883.28	732.29	597.57	480.35	356.99
270.0	2141.40	1929.55	1655.66	1442.64	1239.57	1006.65	839.86	659.61	539.05
315.0	1989.24	1780.31	1406.94	1164.13	1117.78	937.35	774.49	633.86	490.89
360.0	2097.50	1885.65	1679.65	1131.42	1131.42	1040.12	867.71	676.58	547.77

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	441.14	350.43	254.75	194.12	140.92	112.48	89.19	77.19	69.06
45.0	512.13	410.30	321.93	302.03	218.00	137.12	105.69	89.13	77.54
90.0	335.16	258.20	197.98	143.73	115.76	96.15	82.22	70.58	64.37
135.0	423.76	309.64	309.64	223.20	139.99	108.09	90.83	78.30	68.00
180.0	350.02	308.47	308.47	151.69	122.72	97.03	82.75	72.92	64.73
225.0	277.10	213.90	166.26	125.71	103.53	87.78	74.27	67.18	62.03
270.0	433.13	319.59	299.11	299.11	143.91	109.26	91.24	78.95	70.40
315.0	394.50	308.59	221.22	168.60	122.78	99.66	83.98	71.34	64.73
360.0	441.14	350.43	254.75	194.12	140.92	112.48	89.19	77.19	69.06

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	63.26	59.05	55.01	52.49	50.39	48.57	46.76	45.41	43.95
45.0	67.83	62.50	58.52	55.36	52.85	50.21	48.46	46.94	45.30
90.0	59.81	56.36	52.90	50.74	48.46	46.94	45.53	44.01	42.90
135.0	62.44	57.41	54.31	51.85	49.74	47.58	46.06	44.71	43.48
180.0	60.16	56.77	53.49	51.32	49.51	47.99	46.23	44.95	43.77
225.0	57.53	54.66	51.85	50.04	48.46	47.05	45.71	44.18	43.01
270.0	63.20	59.11	55.89	52.79	50.74	49.04	47.17	45.82	44.59
315.0	59.93	56.47	52.96	50.74	48.81	47.11	45.30	43.83	42.60
360.0	63.26	59.05	55.01	52.49	50.39	48.57	46.76	45.41	43.95

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	42.84	41.79	40.79	39.44	38.39	37.16	36.28	35.29	34.41
45.0	44.07	42.96	41.61	40.56	39.33	38.33	37.34	36.28	35.17
90.0	41.79	40.73	39.44	38.51	37.51	36.34	35.46	34.59	33.71
135.0	42.08	41.02	39.97	38.74	37.81	36.87	35.70	34.82	33.94
180.0	42.72	41.43	40.38	39.39	38.16	37.28	36.17	35.29	34.41
225.0	41.90	40.91	39.68	38.62	37.69	36.52	35.58	34.47	33.53
270.0	43.13	41.90	40.73	39.62	38.39	37.40	36.46	35.52	34.35
315.0	41.20	40.15	39.03	37.69	36.69	35.76	34.53	33.65	32.77
360.0	42.84	41.79	40.79	39.44	38.39	37.16	36.28	35.29	34.41

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	33.42	32.54	31.66	30.78	29.67	28.79	27.97	26.98	26.28
45.0	34.29	33.36	32.54	31.49	30.61	29.79	29.44	30.02	30.72
90.0	32.66	31.78	30.90	29.85	28.97	28.15	27.21	26.51	25.81
135.0	32.89	32.01	31.13	30.08	29.14	28.32	27.56	26.74	26.10
180.0	33.53	32.42	31.49	30.61	29.73	28.73	28.03	27.51	27.10
225.0	32.66	31.66	30.96	30.67	31.19	32.54	33.47	32.77	31.31
270.0	33.47	32.54	31.37	30.55	29.38	28.50	27.74	27.04	26.16
315.0	31.89	30.84	29.96	29.14	28.27	27.27	26.57	25.87	24.99
360.0	33.42	32.54	31.66	30.78	29.67	28.79	27.97	26.98	26.28

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	25.46	24.58	24.05	23.53	23.00	22.59	22.06	21.48	20.89
45.0	29.50	28.03	26.80	25.34	24.29	23.53	22.94	22.30	21.83
90.0	24.93	24.40	23.94	23.53	23.00	22.53	22.06	21.54	20.83
135.0	25.40	24.76	24.11	23.70	23.35	22.88	22.36	21.65	21.07
180.0	26.57	26.16	25.75	25.46	25.11	24.58	23.47	22.88	21.83
225.0	29.90	28.79	27.56	26.22	25.05	23.94	22.59	21.65	20.60
270.0	25.46	24.76	24.29	23.70	23.35	22.94	22.36	21.83	21.30
315.0	24.35	23.53	23.06	22.59	22.18	21.65	21.13	20.66	20.07
360.0	25.46	24.58	24.05	23.53	23.00	22.59	22.06	21.48	20.89

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	20.37	19.84	19.20	18.26	17.09	15.80	14.98	14.69	14.40
45.0	21.30	20.60	19.84	18.84	17.44	16.15	15.27	14.69	14.46
90.0	20.25	19.49	18.38	16.91	15.63	14.98	14.69	14.46	14.28
135.0	20.48	19.66	18.55	17.21	15.86	15.10	14.75	14.51	14.28
180.0	20.60	19.55	18.26	16.85	15.57	14.92	14.63	14.40	14.28
225.0	19.90	19.02	17.50	16.04	15.04	14.75	14.51	14.34	14.28
270.0	20.60	20.13	19.25	17.97	16.44	15.22	14.75	14.51	14.34
315.0	19.66	19.20	18.43	17.21	15.98	14.98	14.63	14.40	14.22
360.0	20.37	19.84	19.20	18.26	17.09	15.80	14.98	14.69	14.40

Intensity data(cd)

C/γ(°)	90.0
0.0	14.34
45.0	14.34
90.0	14.28
135.0	14.22
180.0	14.34
225.0	14.28
270.0	14.22
315.0	14.22
360.0	14.34