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: 2-2679-L
Luminaire: 92.70.412.00
Report No: 2024326-B006
Ballast type: AC

Test No: 2024326-C006	Voltage(V): 34.410
LampCAT: Fortimo_SLM_C_1210	Current(A): 0.720
Lamp flux(lm): 4230.0	Power (W): 24.775
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3572.97, Efficiency(%): 84.47% , Luminous Efficacy(lm/W): 144.22
Central intensity(cd): 11639.450, Maximum intensity(cd): 11689.100
Angle of maximum intensity: C=0.0 γ=1.0
Beam Angle(50%Imax): [C0/180]Total=24.0
[C90/270]Total=24.0
Field angle(10%Imax): [C0/180]Total=60.8
[C90/270]Total=60.8
Maximum s/h(1/2): C0_180=0.40 C90_270=0.40
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(%): 84.47%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.000%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	11639.452	0.000	0	0.00%	0.00%
1.0	11689.101	11.162	11.162	0.26%	0.31%
2.0	11425.889	33.177	44.339	0.78%	1.24%
3.0	10954.271	53.526	97.865	1.27%	2.74%
4.0	10431.299	71.584	169.449	1.69%	4.74%
5.0	9831.517	87.170	256.619	2.06%	7.18%
6.0	9234.587	100.197	356.816	2.37%	9.99%
7.0	8620.832	110.828	467.645	2.62%	13.09%
8.0	8035.534	119.206	586.851	2.82%	16.42%
9.0	7468.524	125.652	712.503	2.97%	19.94%
10.0	6918.779	130.200	842.703	3.08%	23.59%
11.0	6374.227	132.824	975.527	3.14%	27.30%
12.0	5857.107	133.706	1109.233	3.16%	31.05%
13.0	5390.098	133.476	1242.709	3.16%	34.78%
14.0	4942.108	132.251	1374.961	3.13%	38.48%
15.0	4552.860	130.351	1505.312	3.08%	42.13%
16.0	4165.515	127.749	1633.061	3.02%	45.71%
17.0	3832.521	124.551	1757.611	2.94%	49.19%
18.0	3532.740	121.437	1879.049	2.87%	52.59%
19.0	3262.220	118.218	1997.267	2.79%	55.90%
20.0	3010.061	114.800	2112.067	2.71%	59.11%
21.0	2829.153	112.125	2224.192	2.65%	62.25%
22.0	2696.314	111.037	2335.229	2.62%	65.36%
23.0	2468.969	108.382	2443.61	2.56%	68.39%
24.0	2239.568	102.946	2546.556	2.43%	71.27%
25.0	2083.752	98.303	2644.859	2.32%	74.02%
26.0	1934.373	94.848	2739.707	2.24%	76.68%
27.0	1771.096	90.655	2830.362	2.14%	79.22%
28.0	1556.099	84.238	2914.599	1.99%	81.57%
29.0	1336.456	75.677	2990.277	1.79%	83.69%
30.0	1233.859	69.398	3059.675	1.64%	85.63%
31.0	1082.154	64.451	3124.126	1.52%	87.44%
32.0	928.394	57.600	3181.726	1.36%	89.05%
33.0	772.702	50.115	3231.841	1.18%	90.45%
34.0	631.414	42.493	3274.334	1.00%	91.64%
35.0	497.397	35.057	3309.39	0.83%	92.62%
36.0	392.415	28.332	3337.722	0.67%	93.42%
37.0	292.678	22.344	3360.066	0.53%	94.04%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	241.274	17.823	3377.889	0.42%	94.54%
39.0	181.186	14.420	3392.308	0.34%	94.94%
40.0	123.109	10.613	3402.921	0.25%	95.24%
41.0	107.250	8.203	3411.124	0.19%	95.47%
42.0	97.089	7.424	3418.548	0.18%	95.68%
43.0	88.296	6.867	3425.415	0.16%	95.87%
44.0	80.695	6.378	3431.793	0.15%	96.05%
45.0	74.397	5.960	3437.754	0.14%	96.22%
46.0	68.925	5.605	3443.359	0.13%	96.37%
47.0	63.833	5.280	3448.639	0.12%	96.52%
48.0	59.342	4.979	3453.618	0.12%	96.66%
49.0	55.560	4.719	3458.337	0.11%	96.79%
50.0	51.997	4.484	3462.821	0.11%	96.92%
51.0	48.939	4.270	3467.092	0.10%	97.04%
52.0	46.335	4.088	3471.18	0.10%	97.15%
53.0	44.302	3.943	3475.123	0.09%	97.26%
54.0	42.473	3.825	3478.947	0.09%	97.37%
55.0	41.317	3.740	3482.688	0.09%	97.47%
56.0	40.585	3.701	3486.388	0.09%	97.58%
57.0	40.300	3.698	3490.087	0.09%	97.68%
58.0	40.520	3.737	3493.824	0.09%	97.78%
59.0	40.841	3.804	3497.628	0.09%	97.89%
60.0	41.193	3.876	3501.503	0.09%	98.00%
61.0	41.061	3.925	3505.429	0.09%	98.11%
62.0	40.234	3.917	3509.346	0.09%	98.22%
63.0	38.574	3.833	3513.179	0.09%	98.33%
64.0	36.079	3.663	3516.842	0.09%	98.43%
65.0	33.321	3.435	3520.277	0.08%	98.53%
66.0	30.212	3.170	3523.446	0.07%	98.61%
67.0	27.732	2.914	3526.36	0.07%	98.70%
68.0	25.640	2.704	3529.064	0.06%	98.77%
69.0	24.345	2.550	3531.614	0.06%	98.84%
70.0	23.270	2.445	3534.059	0.06%	98.91%
71.0	22.451	2.363	3536.422	0.06%	98.98%
72.0	21.822	2.302	3538.724	0.05%	99.04%
73.0	21.295	2.255	3540.979	0.05%	99.10%
74.0	20.827	2.214	3543.193	0.05%	99.17%
75.0	20.395	2.178	3545.371	0.05%	99.23%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	19.963	2.142	3547.514	0.05%	99.29%
77.0	19.466	2.102	3549.616	0.05%	99.35%
78.0	19.020	2.060	3551.676	0.05%	99.40%
79.0	18.522	2.017	3553.693	0.05%	99.46%
80.0	18.025	1.970	3555.664	0.05%	99.52%
81.0	17.484	1.920	3557.584	0.05%	99.57%
82.0	16.957	1.868	3559.452	0.04%	99.62%
83.0	16.459	1.817	3561.268	0.04%	99.67%
84.0	16.064	1.772	3563.04	0.04%	99.72%
85.0	15.677	1.732	3564.772	0.04%	99.77%
86.0	15.311	1.694	3566.466	0.04%	99.82%
87.0	15.026	1.660	3568.126	0.04%	99.86%
88.0	14.792	1.633	3569.76	0.04%	99.91%
89.0	14.623	1.612	3571.372	0.04%	99.96%
90.0	14.587	1.602	3572.974	0.04%	100.00%

Zonal flux distribution table

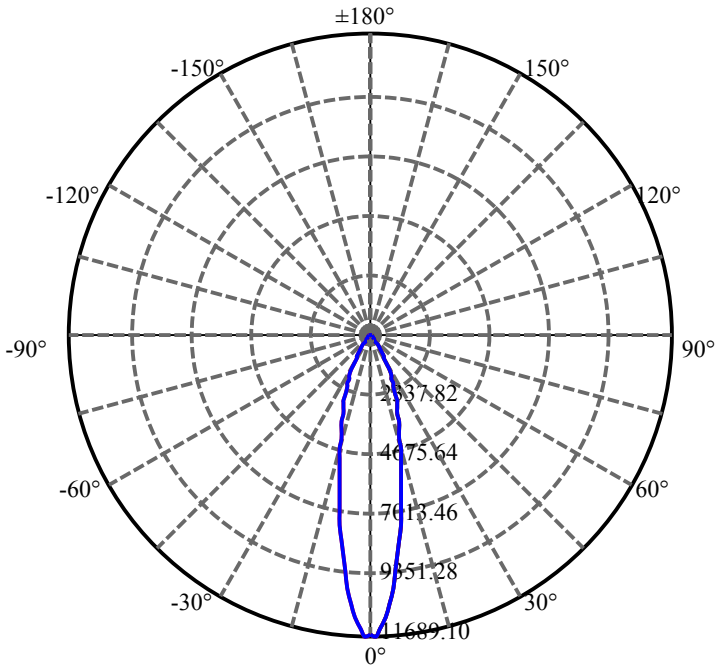
ZONAL LUMEN SUMMARY

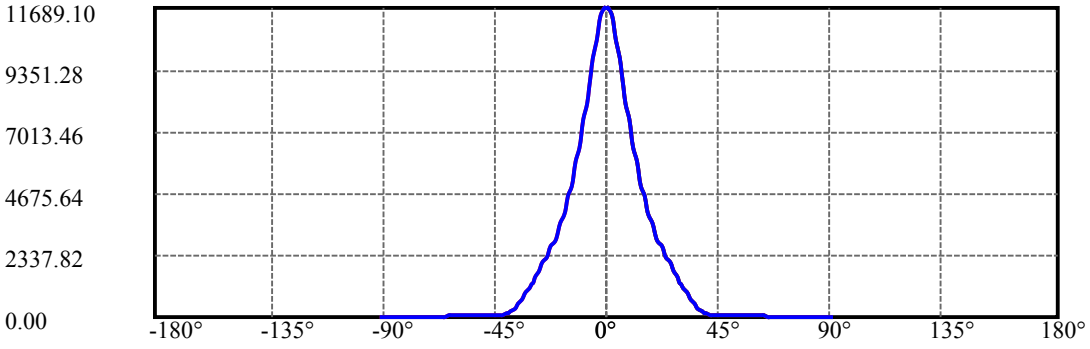
Zone	Lumens	%Lamp	%Fixt
0-30	3059.67	72.33%	85.63%
0-40	3402.92	80.45%	95.24%
0-60	3501.50	82.78%	98.00%
0-90	3571.37	84.43%	99.96%
0-120	3571.37	84.43%	99.96%
0-180	3572.97	84.47%	100.00%
60-90	69.87	1.65%	1.96%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.33	2858.38	67.57%	80.00%

ZONAL LUMEN SUMMARY

0-10	842.70
10-20	1269.36
20-30	947.61
30-40	343.25
40-50	59.90
50-60	38.68
60-70	32.56
70-80	21.60
80-90	15.71
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):

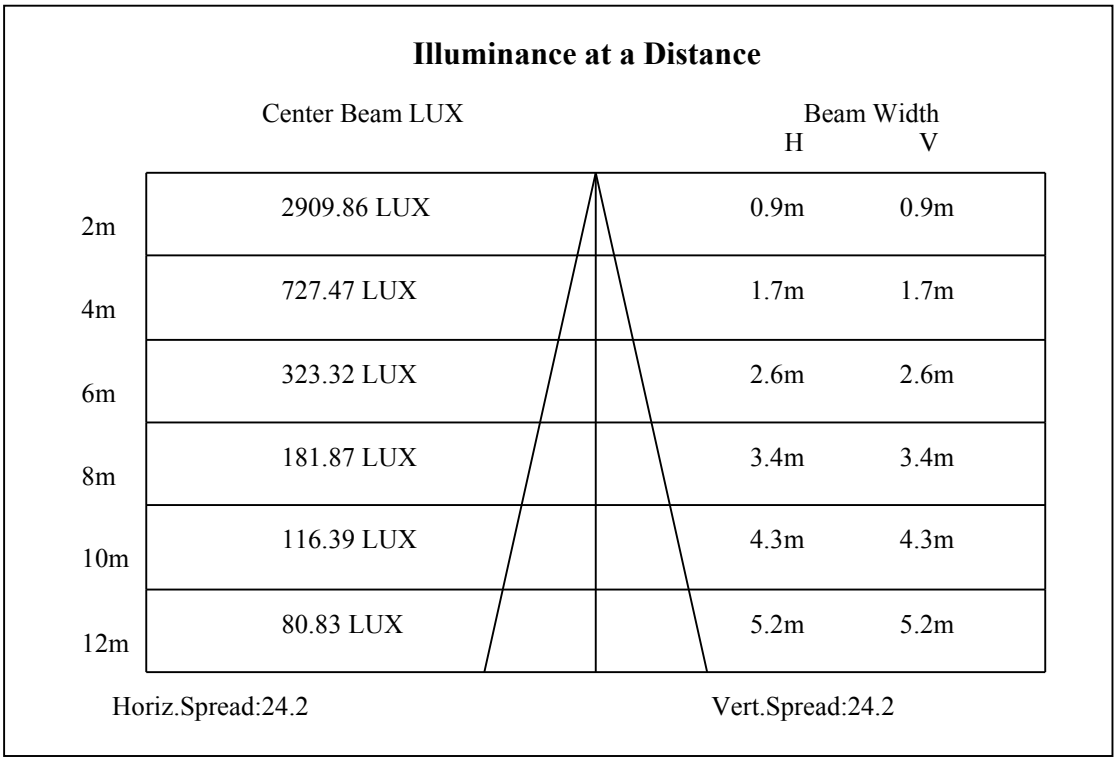
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:31.4 Right:29.4
:C90/270Left:31.4 Right:29.4

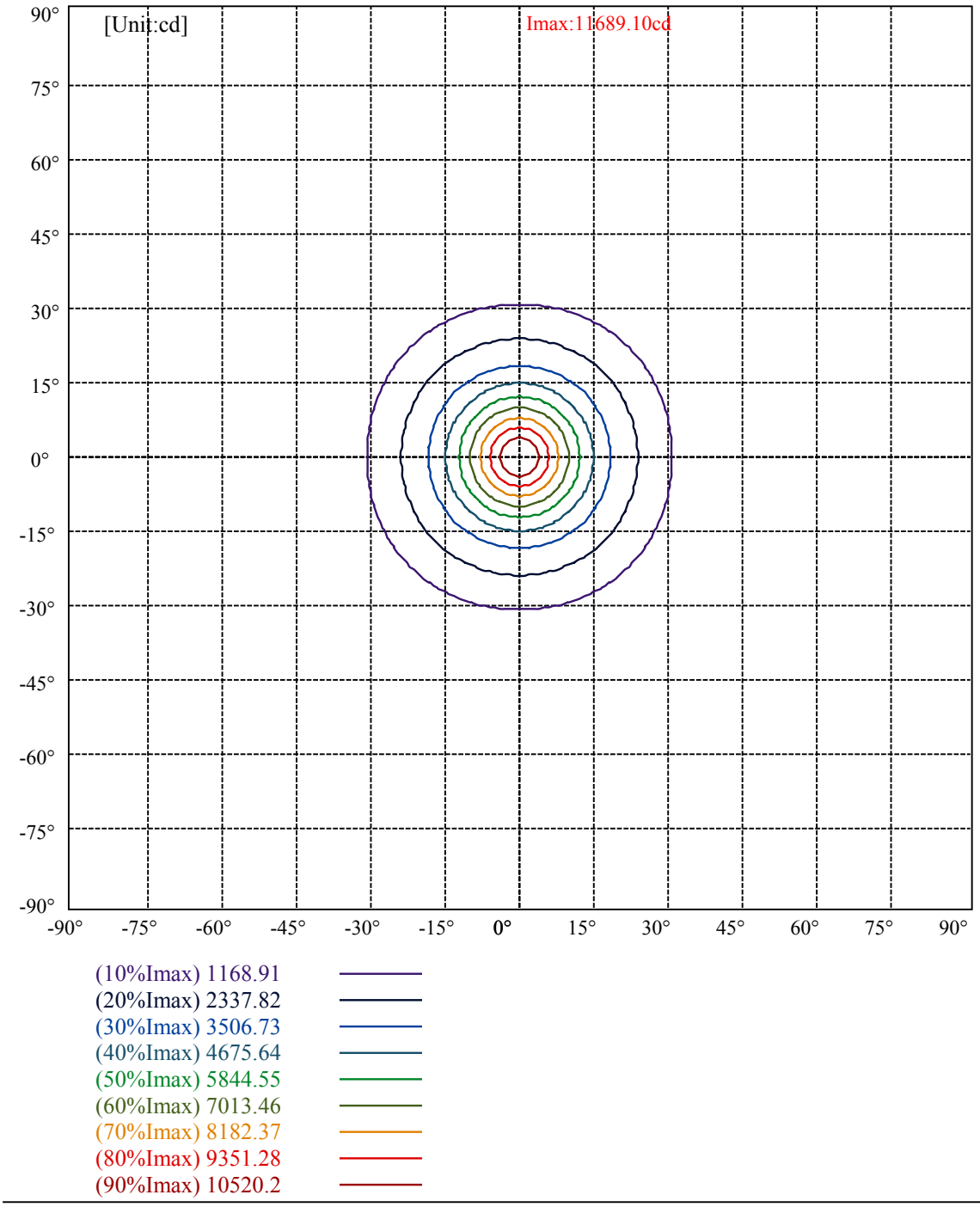
Beam Angle(50%Imax):C0/180Left:13.0 Right:11.0
:C90/270Left:13.0 Right:11.0

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)

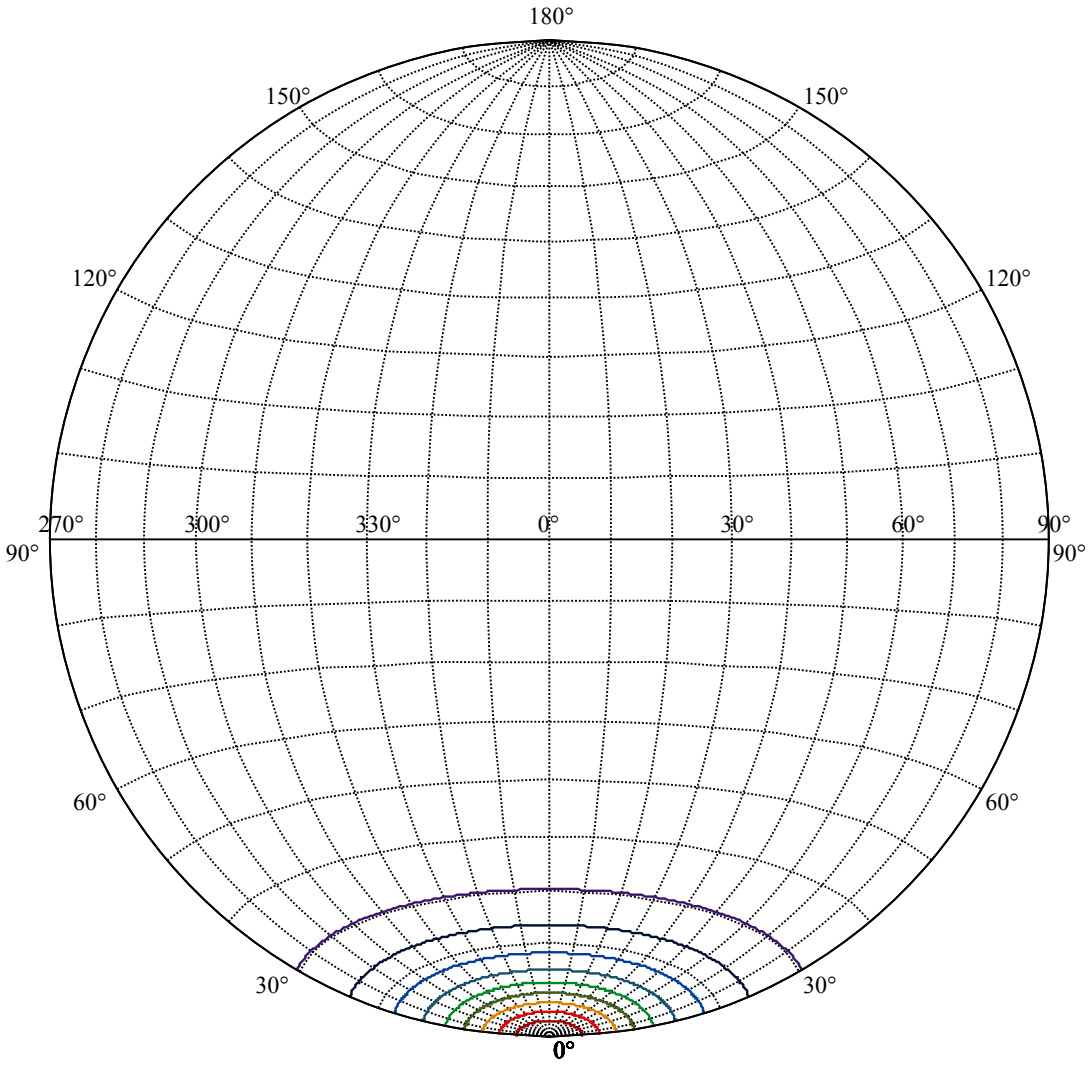


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



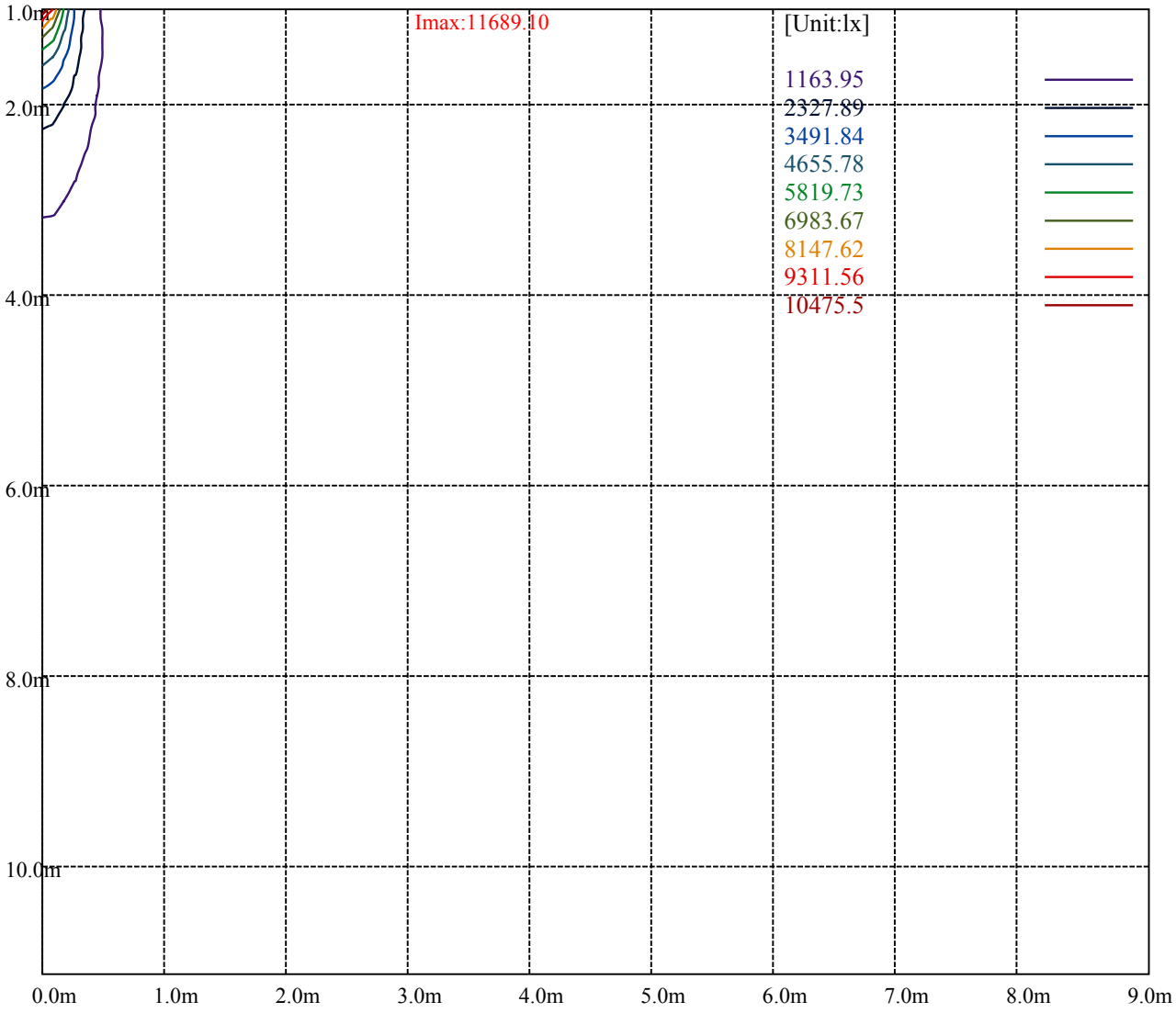
[Unit:cd]

Imax:11689.10

(10%Imax) 1168.91
(20%Imax) 2337.82
(30%Imax) 3506.73
(40%Imax) 4675.64
(50%Imax) 5844.55
(60%Imax) 7013.46
(70%Imax) 8182.37
(80%Imax) 9351.28
(90%Imax) 10520.2

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

NT 2-2679-L

Luminance Limitting Curve(no luminous side)

Luminance Table

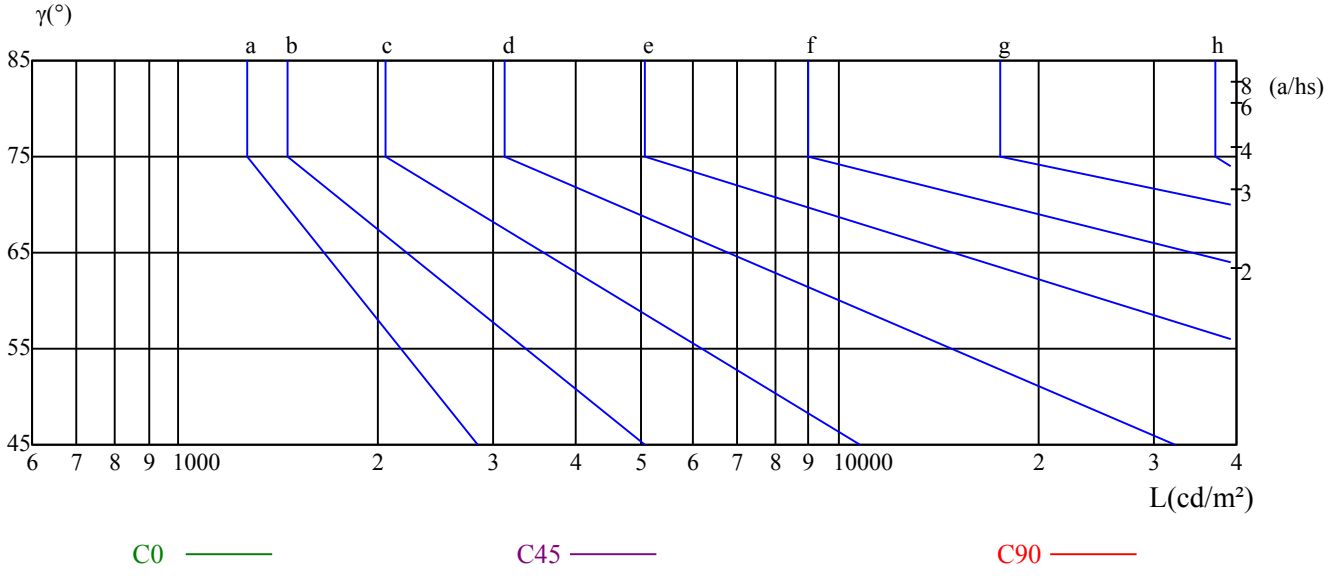
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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



Equipment: GMS1980
Temperature(°C): 25.0

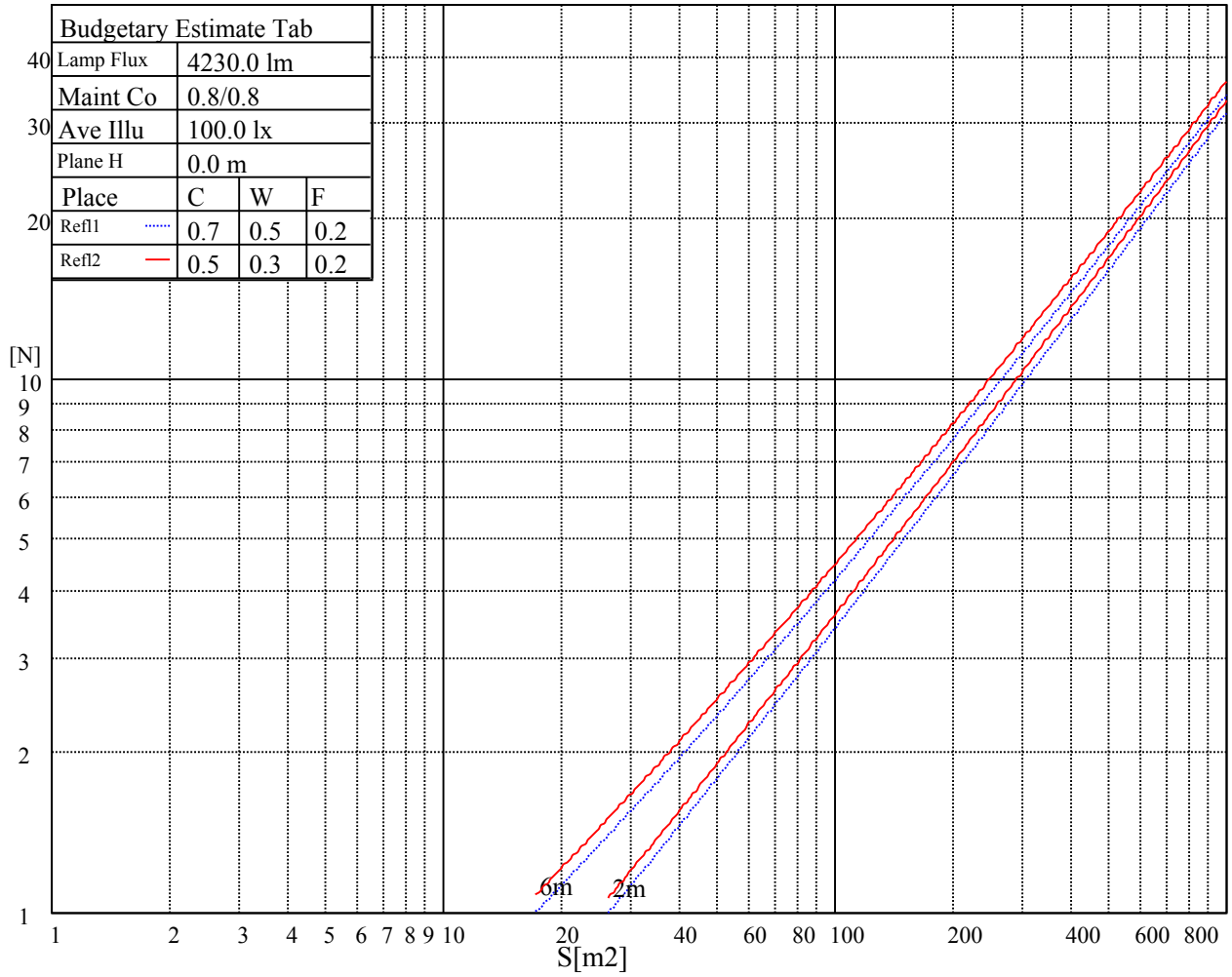
Date: 2024/3/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

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

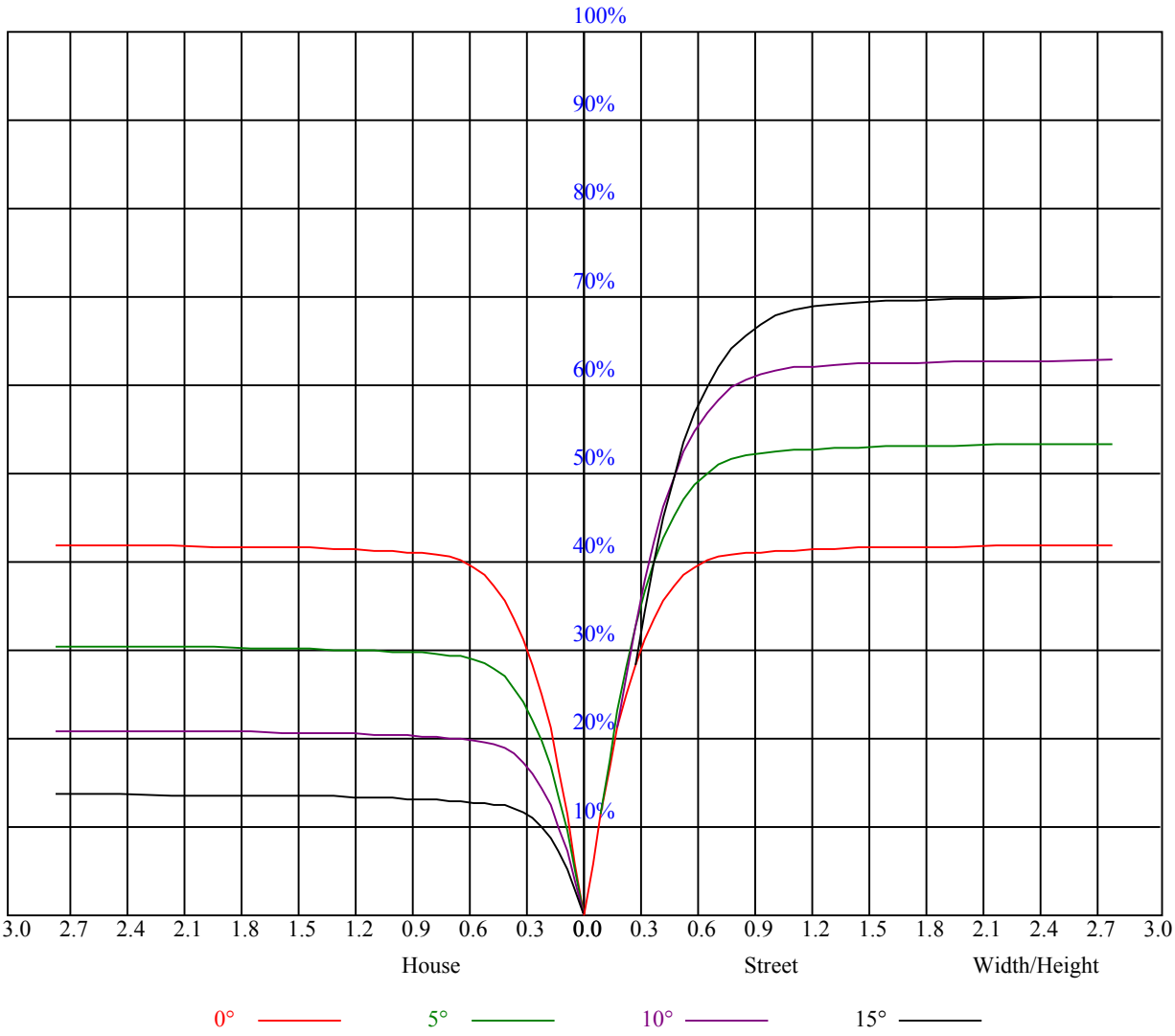


Equipment: GMS1980 Date: 2024/3/26 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

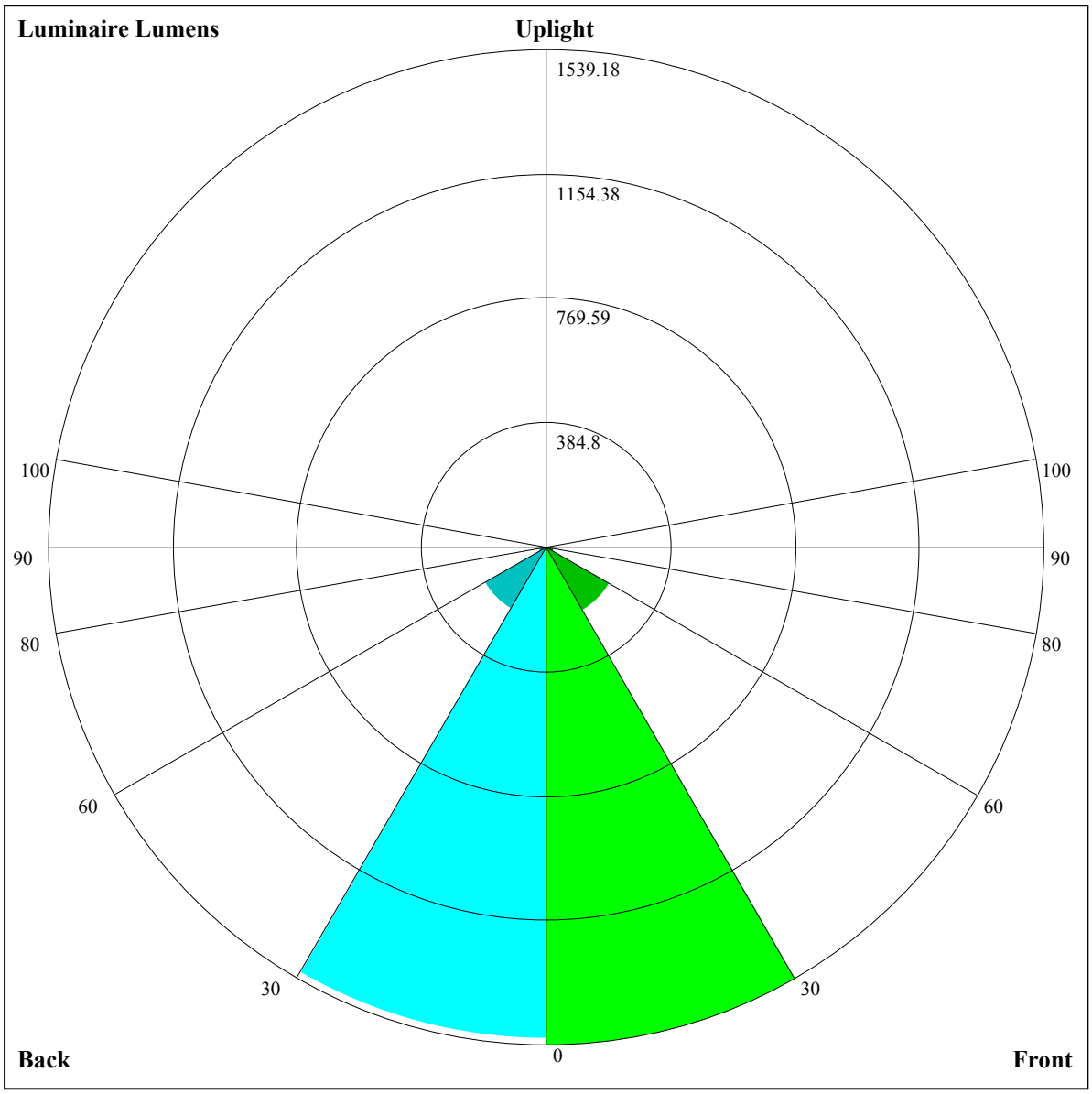
Utilization factor table for indoor luminaire

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	1.01	1.01	1.01	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.84
1	0.94	0.92	0.90	0.92	0.91	0.89	0.89	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80
2	0.89	0.86	0.83	0.87	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.79	0.80	0.78	0.77	0.76
3	0.84	0.80	0.77	0.83	0.79	0.77	0.80	0.78	0.75	0.78	0.76	0.74	0.77	0.75	0.73	0.72
4	0.79	0.75	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.75	0.72	0.70	0.74	0.71	0.69	0.68
5	0.76	0.71	0.68	0.75	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
6	0.72	0.68	0.65	0.72	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.62
7	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60
8	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.57
9	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.55
10	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.59	0.56	0.54	0.53

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=1539.18,FM=223.05,FH=27.19,FVH=8.7
BL=1522.75,BM=220.29,BH=27.01,BVH=8.66
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	11622.04	11622.04	11438.28	10991.17	10476.76	9775.66	9219.11	8656.12	7967.90
45.0	11651.89	11651.89	11754.83	11339.32	10871.14	10350.29	9788.47	9080.35	8530.24
90.0	11625.55	11625.55	11239.89	10767.61	10246.18	9552.10	9001.99	8314.35	7774.77
135.0	11658.33	11842.61	11608.52	11216.42	10619.49	10086.94	9536.83	8852.11	8307.85
180.0	11622.04	11789.94	11403.69	10958.92	10449.78	9917.22	9214.95	8658.99	8103.03
225.0	11651.89	11479.83	11049.69	10407.70	9853.49	9284.07	8570.09	8008.86	7466.94
270.0	11625.55	11842.61	11620.23	11134.49	10648.75	10104.49	9542.68	8963.31	8255.18
315.0	11658.33	11658.33	11291.97	10818.53	10284.80	9581.36	9002.57	8432.57	7878.36
360.0	11622.04	11622.04	11438.28	10991.17	10476.76	9775.66	9219.11	8656.12	7967.90

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7434.17	6913.32	6405.93	5807.25	5364.23	4949.31	4567.15	4131.16	3816.90
45.0	7985.98	7459.28	6944.28	6323.94	5867.47	5329.06	4925.25	4550.71	4123.50
90.0	7248.66	6614.86	6132.63	5680.25	5254.79	4770.81	4416.17	4093.12	3793.49
135.0	7646.55	7131.55	6628.26	6031.33	5592.41	5165.20	4773.10	4328.32	4006.45
180.0	7570.47	6920.87	6411.73	5937.69	5381.73	4966.22	4579.97	4152.76	3842.59
225.0	6937.90	6431.10	5841.19	5395.25	4980.91	4598.17	4161.59	3849.67	3495.02
270.0	7716.78	7184.22	6540.47	6054.74	5487.07	5065.71	4673.61	4228.84	3901.11
315.0	7207.69	6695.03	6089.32	5626.41	5192.17	4692.39	4326.04	3989.54	3681.12
360.0	7434.17	6913.32	6405.93	5807.25	5364.23	4949.31	4567.15	4131.16	3816.90

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3536.57	3219.97	2991.14	2730.13	2540.52	2370.22	2212.21	2038.98	1901.45
45.0	3819.18	3544.12	3239.81	3017.42	2964.75	2964.75	2418.21	2259.03	2110.38
90.0	3465.18	3225.23	3011.04	2760.56	2577.39	2369.63	2219.23	2080.53	1945.93
135.0	3719.69	3456.34	3163.73	2953.05	2953.05	2740.08	2379.58	2229.77	2052.44
180.0	3549.97	3233.95	3023.27	2970.60	2732.47	2408.26	2254.35	2115.06	1952.95
225.0	3241.62	3011.04	2751.20	2563.34	2391.87	2197.58	2056.54	1916.09	1766.85
270.0	3596.79	3321.74	3040.83	2982.31	2982.31	2434.01	2255.52	2079.36	1939.49
315.0	3332.91	3085.36	2859.47	2655.81	2428.16	2267.22	2120.91	1951.20	1805.48
360.0	3536.57	3219.97	2991.14	2730.13	2540.52	2370.22	2212.21	2038.98	1901.45

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1748.71	1583.68	1150.84	1150.84	1074.59	927.29	754.59	625.08	477.43
45.0	1968.17	1778.56	1625.23	1462.54	1265.31	1110.82	959.24	778.99	643.81
90.0	1759.24	1602.40	1157.69	1157.69	1078.86	925.01	778.70	639.77	483.51
135.0	1906.72	1751.05	1540.37	1380.02	1219.08	1064.00	879.07	739.78	610.45
180.0	1806.65	1636.93	1480.09	1272.92	1108.47	923.54	780.75	645.56	498.08
225.0	1569.63	1158.22	1158.22	1078.92	886.26	741.60	608.05	460.51	360.91
270.0	1756.90	1610.01	1449.08	1237.81	1080.97	933.49	752.07	613.96	492.82
315.0	1652.73	1327.93	1130.13	1130.13	943.68	801.41	669.15	547.65	412.17
360.0	1748.71	1583.68	1150.84	1150.84	1074.59	927.29	754.59	625.08	477.43

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	373.84	284.19	193.48	143.32	118.45	104.52	95.04	87.14	80.35
45.0	520.91	384.55	313.15	313.15	156.49	122.25	109.85	99.37	90.77
90.0	375.01	284.48	193.59	146.31	122.25	108.33	98.55	90.59	82.28
135.0	492.82	361.14	314.32	314.32	136.12	118.27	107.33	95.51	87.90
180.0	393.91	302.62	302.62	147.30	120.26	108.68	98.49	88.25	81.46
225.0	277.16	193.07	146.72	116.81	105.16	94.86	86.67	79.71	72.28
270.0	388.65	297.35	297.35	146.72	119.15	104.17	94.69	86.55	78.48
315.0	317.02	234.03	168.95	121.55	106.98	96.91	86.09	79.24	72.04
360.0	373.84	284.19	193.48	143.32	118.45	104.52	95.04	87.14	80.35

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	72.98	67.71	63.03	59.05	54.54	51.32	48.57	45.71	43.72
45.0	82.11	76.08	70.64	64.78	60.51	56.83	52.79	50.10	47.75
90.0	76.31	70.87	66.07	60.80	57.24	53.84	50.97	47.87	45.94
135.0	81.40	74.15	69.00	64.37	60.16	55.54	52.20	49.45	47.05
180.0	75.44	70.05	64.02	59.81	56.01	51.85	48.98	45.88	43.89
225.0	67.07	62.33	58.29	53.78	50.62	47.87	44.89	42.90	40.97
270.0	72.86	67.77	62.09	58.17	54.60	50.74	48.05	45.71	43.66
315.0	67.01	62.44	57.53	53.96	50.80	47.99	45.06	43.07	41.43
360.0	72.98	67.71	63.03	59.05	54.54	51.32	48.57	45.71	43.72

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	41.84	40.73	40.09	39.80	40.09	40.44	40.85	40.85	39.91
45.0	45.35	43.77	42.60	41.67	41.32	41.43	41.73	42.19	42.02
90.0	43.95	42.84	42.19	42.02	42.25	42.43	42.55	41.90	40.73
135.0	44.65	43.13	42.08	41.38	41.43	41.67	42.02	42.08	41.14
180.0	42.19	41.02	40.15	39.97	40.26	40.61	41.08	41.02	40.32
225.0	39.97	39.27	38.98	39.21	39.56	39.97	40.09	39.39	38.10
270.0	41.67	40.56	39.85	39.44	39.68	40.09	40.67	40.91	40.44
315.0	40.15	39.21	38.74	38.92	39.56	40.09	40.56	40.15	39.21
360.0	41.84	40.73	40.09	39.80	40.09	40.44	40.85	40.85	39.91

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	38.39	36.17	33.53	29.96	27.56	25.11	23.76	22.82	22.00
45.0	41.26	39.09	36.87	34.24	30.67	28.21	26.22	24.81	23.64
90.0	38.68	35.76	32.77	30.02	27.80	25.46	24.29	23.17	22.53
135.0	39.80	37.40	34.94	31.31	28.68	26.51	24.81	23.53	22.71
180.0	38.33	36.05	33.30	29.79	27.62	25.63	23.99	23.12	22.41
225.0	35.99	33.47	30.08	27.68	25.46	24.29	24.29	23.29	22.18
270.0	38.92	36.64	34.00	30.31	27.92	25.87	24.46	23.23	22.53
315.0	37.22	34.06	31.08	28.38	26.16	24.05	22.94	22.18	21.59
360.0	38.39	36.17	33.53	29.96	27.56	25.11	23.76	22.82	22.00

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	21.48	21.01	20.60	20.13	19.72	19.31	18.90	18.32	17.85
45.0	22.94	22.18	21.71	21.24	20.83	20.31	19.90	19.43	18.96
90.0	21.95	21.48	20.95	20.54	20.07	19.55	19.02	18.55	18.02
135.0	22.06	21.54	20.95	20.48	20.01	19.55	19.08	18.49	18.02
180.0	21.77	21.30	20.89	20.48	20.01	19.55	19.08	18.61	18.02
225.0	21.42	20.83	20.42	20.07	19.66	19.14	18.67	18.20	17.73
270.0	22.00	21.48	20.95	20.54	20.13	19.61	19.20	18.73	18.14
315.0	20.95	20.54	20.13	19.66	19.25	18.73	18.32	17.85	17.44
360.0	21.48	21.01	20.60	20.13	19.72	19.31	18.90	18.32	17.85

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	17.32	16.85	16.39	15.98	15.57	15.33	14.98	14.81	14.63
45.0	18.26	17.73	16.97	16.50	16.09	15.80	15.45	15.10	14.81
90.0	17.44	16.91	16.44	16.04	15.68	15.33	15.04	14.81	14.63
135.0	17.56	16.97	16.50	16.09	15.74	15.39	15.16	14.86	14.63
180.0	17.50	16.91	16.44	16.09	15.74	15.22	14.92	14.75	14.57
225.0	17.21	16.68	16.15	15.80	15.27	14.98	14.75	14.63	14.51
270.0	17.73	17.15	16.68	16.27	15.86	15.33	15.04	14.75	14.63
315.0	16.85	16.44	16.09	15.74	15.45	15.10	14.86	14.63	14.57
360.0	17.32	16.85	16.39	15.98	15.57	15.33	14.98	14.81	14.63

Intensity data(cd)

C/γ(°)	90.0
0.0	14.57
45.0	14.63
90.0	14.57
135.0	14.57
180.0	14.57
225.0	14.57
270.0	14.63
315.0	14.57
360.0	14.57