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: 2-2687-L
Luminaire: 92.70.412.00
Report No: 2024322-B020
Ballast type: AC

Test No: 2024322-C020	Voltage(V): 34.740
LampCAT: Fortimo_SLM_C_1208	Current(A): 0.577
Lamp flux(lm): 3486.0	Power (W): 20.044
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2905.74, Efficiency(%): 83.35% , Luminous Efficacy(lm/W): 144.97
Central intensity(cd): 11660.960, Maximum intensity(cd): 11660.960
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=21.8
[C90/270]Total=21.8
Field angle(10%Imax): [C0/180]Total=54.6
[C90/270]Total=54.6
Maximum s/h(1/2): C0_180=0.37 C90_270=0.37
Maximum s/h(1/4): C0_180=0.42 C90_270=0.42
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 83.35%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.962%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	11660.959	0.000	0	0.00%	0.00%
1.0	11611.427	11.135	11.135	0.32%	0.38%
2.0	11398.969	33.027	44.162	0.95%	1.52%
3.0	11016.158	53.610	97.772	1.54%	3.36%
4.0	10445.491	71.839	169.611	2.06%	5.84%
5.0	9836.418	87.252	256.862	2.50%	8.84%
6.0	9155.874	99.810	356.672	2.86%	12.27%
7.0	8411.761	109.042	465.714	3.13%	16.03%
8.0	7715.124	115.417	581.131	3.31%	20.00%
9.0	7056.526	119.716	700.847	3.43%	24.12%
10.0	6402.830	121.802	822.649	3.49%	28.31%
11.0	5790.319	121.835	944.484	3.49%	32.50%
12.0	5207.361	120.220	1064.704	3.45%	36.64%
13.0	4704.434	117.628	1182.332	3.37%	40.69%
14.0	4191.703	113.870	1296.202	3.27%	44.61%
15.0	3764.709	109.229	1405.431	3.13%	48.37%
16.0	3421.401	105.297	1510.728	3.02%	51.99%
17.0	3083.433	101.298	1612.026	2.91%	55.48%
18.0	2830.543	97.509	1709.534	2.80%	58.83%
19.0	2698.794	96.199	1805.734	2.76%	62.14%
20.0	2429.028	93.853	1899.587	2.69%	65.37%
21.0	2152.223	87.969	1987.556	2.52%	68.40%
22.0	1971.096	82.860	2070.416	2.38%	71.25%
23.0	1798.674	79.100	2149.516	2.27%	73.97%
24.0	1655.002	75.510	2225.026	2.17%	76.57%
25.0	1473.004	71.124	2296.15	2.04%	79.02%
26.0	1301.767	65.499	2361.649	1.88%	81.28%
27.0	1210.326	61.459	2423.108	1.76%	83.39%
28.0	1050.472	57.239	2480.346	1.64%	85.36%
29.0	908.467	51.251	2531.598	1.47%	87.12%
30.0	767.486	45.250	2576.848	1.30%	88.68%
31.0	622.943	38.694	2615.542	1.11%	90.01%
32.0	499.863	32.167	2647.709	0.92%	91.12%
33.0	386.673	26.118	2673.826	0.75%	92.02%
34.0	292.466	20.553	2694.379	0.59%	92.73%
35.0	247.887	16.781	2711.16	0.48%	93.30%
36.0	211.976	14.642	2725.803	0.42%	93.81%
37.0	153.431	11.918	2737.72	0.34%	94.22%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	136.979	9.694	2747.414	0.28%	94.55%
39.0	122.978	8.873	2756.287	0.25%	94.86%
40.0	109.218	8.098	2764.385	0.23%	95.14%
41.0	97.820	7.373	2771.757	0.21%	95.39%
42.0	88.193	6.758	2778.515	0.19%	95.62%
43.0	79.342	6.206	2784.721	0.18%	95.84%
44.0	71.536	5.695	2790.416	0.16%	96.03%
45.0	64.836	5.241	2795.657	0.15%	96.21%
46.0	59.232	4.852	2800.509	0.14%	96.38%
47.0	53.914	4.500	2805.009	0.13%	96.53%
48.0	49.569	4.183	2809.192	0.12%	96.68%
49.0	45.794	3.916	2813.109	0.11%	96.81%
50.0	42.465	3.680	2816.788	0.11%	96.94%
51.0	39.729	3.478	2820.266	0.10%	97.06%
52.0	37.323	3.306	2823.572	0.09%	97.17%
53.0	35.399	3.163	2826.736	0.09%	97.28%
54.0	33.702	3.046	2829.781	0.09%	97.39%
55.0	32.253	2.944	2832.725	0.08%	97.49%
56.0	31.068	2.861	2835.587	0.08%	97.59%
57.0	29.993	2.792	2838.379	0.08%	97.68%
58.0	29.188	2.737	2841.115	0.08%	97.78%
59.0	28.639	2.703	2843.819	0.08%	97.87%
60.0	28.310	2.691	2846.509	0.08%	97.96%
61.0	28.003	2.687	2849.197	0.08%	98.05%
62.0	27.637	2.681	2851.878	0.08%	98.15%
63.0	26.994	2.657	2854.535	0.08%	98.24%
64.0	26.043	2.602	2857.137	0.07%	98.33%
65.0	24.748	2.514	2859.651	0.07%	98.41%
66.0	23.519	2.408	2862.059	0.07%	98.50%
67.0	22.334	2.306	2864.365	0.07%	98.58%
68.0	21.397	2.215	2866.58	0.06%	98.65%
69.0	20.797	2.153	2868.732	0.06%	98.73%
70.0	20.380	2.115	2870.847	0.06%	98.80%
71.0	20.373	2.106	2872.954	0.06%	98.87%
72.0	20.285	2.114	2875.068	0.06%	98.94%
73.0	20.015	2.107	2877.175	0.06%	99.02%
74.0	19.707	2.088	2879.263	0.06%	99.09%
75.0	19.408	2.067	2881.33	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.998	2.039	2883.369	0.06%	99.23%
77.0	18.449	1.997	2885.365	0.06%	99.30%
78.0	17.784	1.940	2887.305	0.06%	99.37%
79.0	17.140	1.876	2889.181	0.05%	99.43%
80.0	16.445	1.811	2890.992	0.05%	99.49%
81.0	15.318	1.718	2892.71	0.05%	99.55%
82.0	14.440	1.614	2894.323	0.05%	99.61%
83.0	13.928	1.542	2895.865	0.04%	99.66%
84.0	13.606	1.500	2897.366	0.04%	99.71%
85.0	13.299	1.468	2898.834	0.04%	99.76%
86.0	12.933	1.434	2900.268	0.04%	99.81%
87.0	12.597	1.397	2901.665	0.04%	99.86%
88.0	12.421	1.370	2903.036	0.04%	99.91%
89.0	12.312	1.356	2904.391	0.04%	99.95%
90.0	12.290	1.349	2905.74	0.04%	100.00%

Zonal flux distribution table

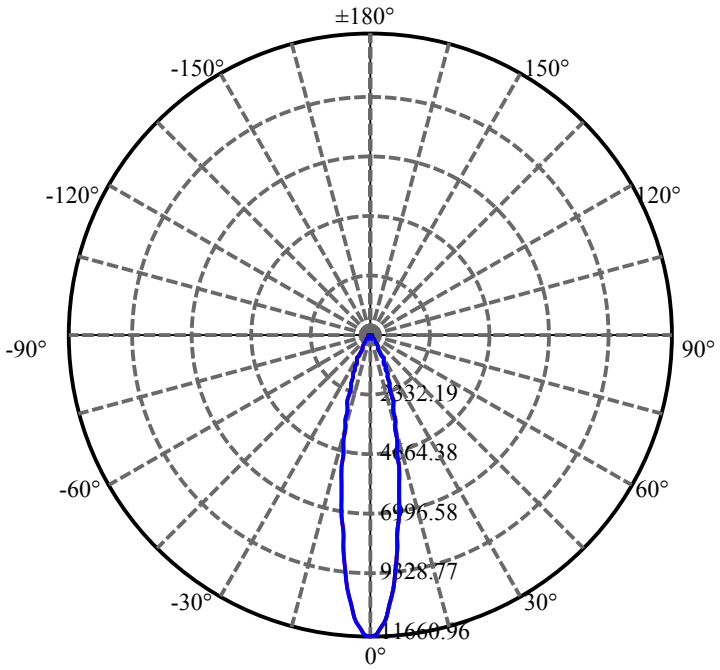
ZONAL LUMEN SUMMARY

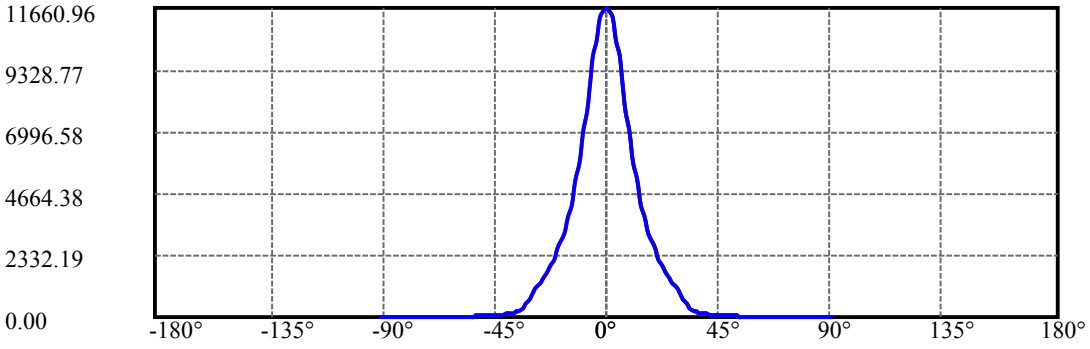
Zone	Lumens	%Lamp	%Fixt
0-30	2576.85	73.92%	88.68%
0-40	2764.38	79.30%	95.14%
0-60	2846.51	81.66%	97.96%
0-90	2904.39	83.32%	99.95%
0-120	2904.39	83.32%	99.95%
0-180	2905.74	83.35%	100.00%
60-90	57.88	1.66%	1.99%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.43	2324.59	66.68%	80.00%

ZONAL LUMEN SUMMARY

0-10	822.65
10-20	1076.94
20-30	677.26
30-40	187.54
40-50	52.40
50-60	29.72
60-70	24.34
70-80	20.14
80-90	13.40
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:

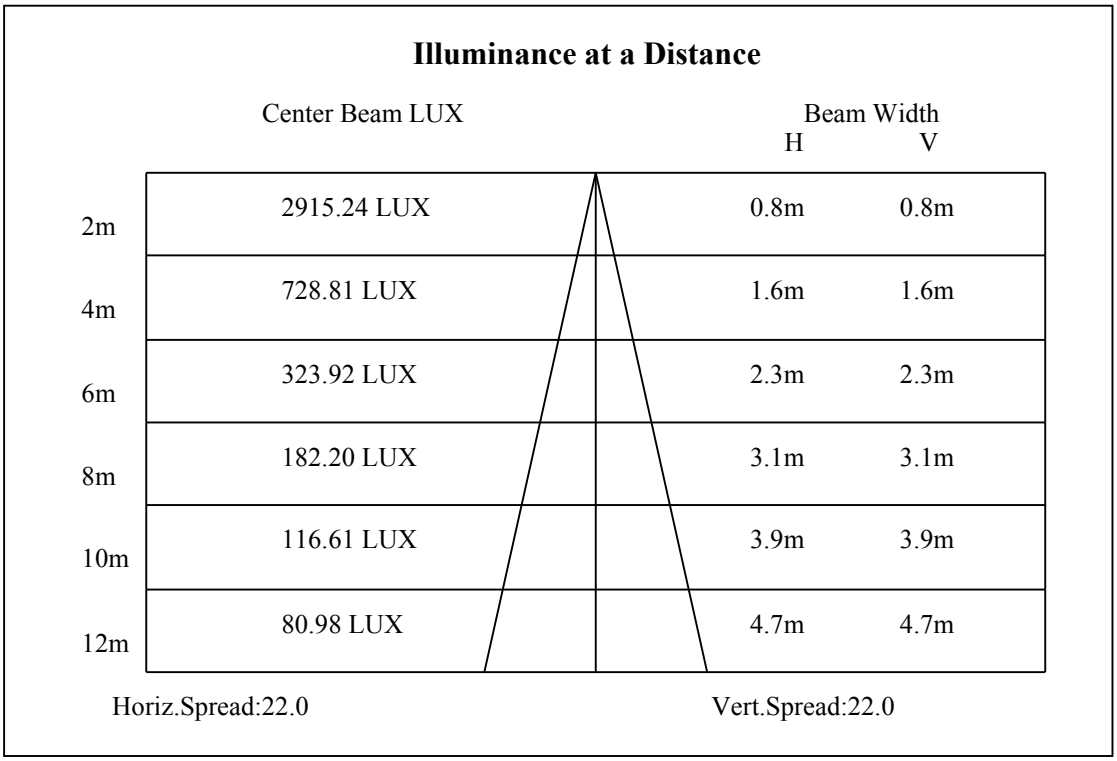
C90/C270:

Field angle(10%Imax):C0/180Left:27.3 Right:27.3
:C90/270Left:27.3 Right:27.3

Beam Angle(50%Imax):C0/180Left:10.9 Right:10.9
:C90/270Left:10.9 Right:10.9

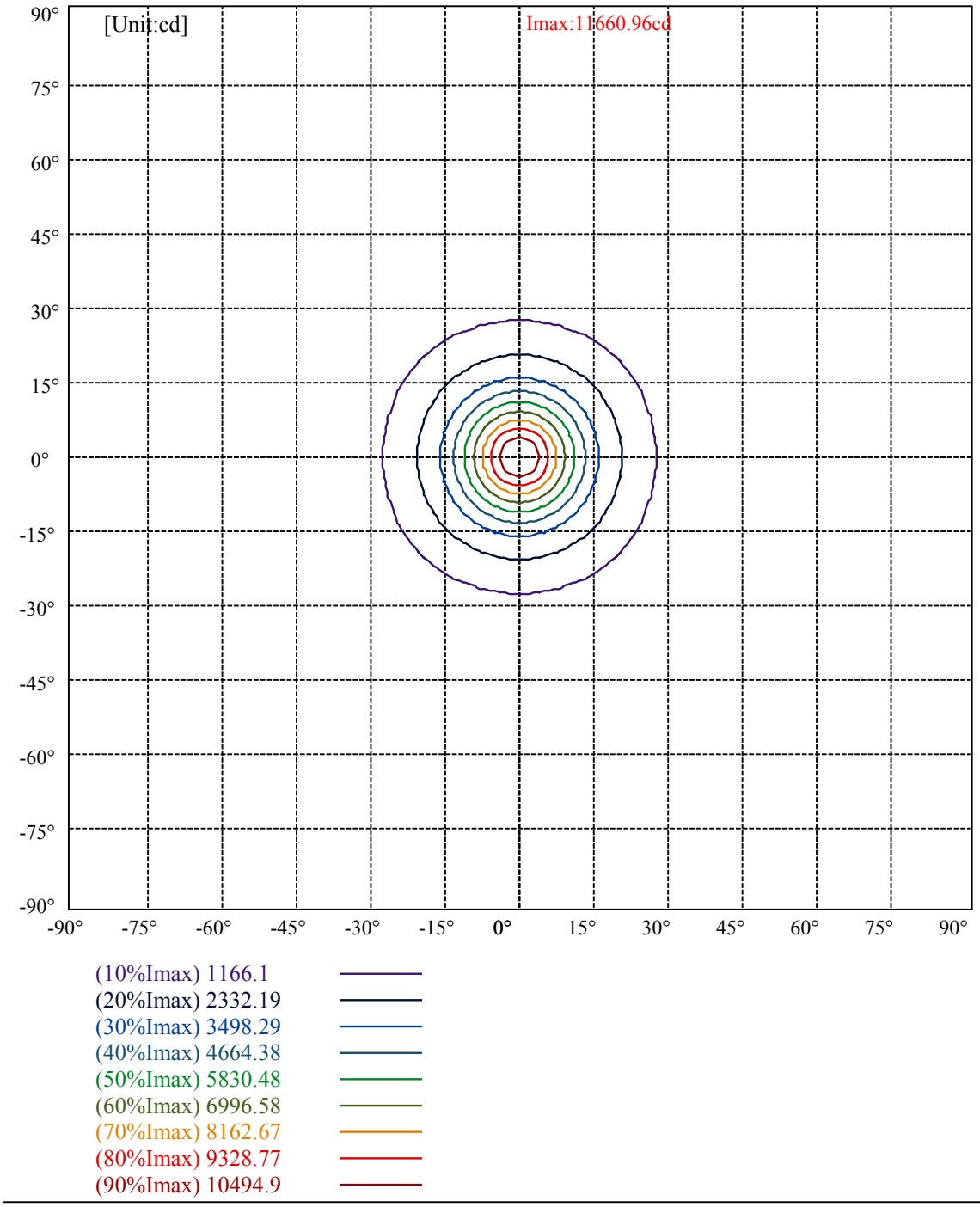
Equipment: GMS1980	Date: 2024/3/22	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

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)

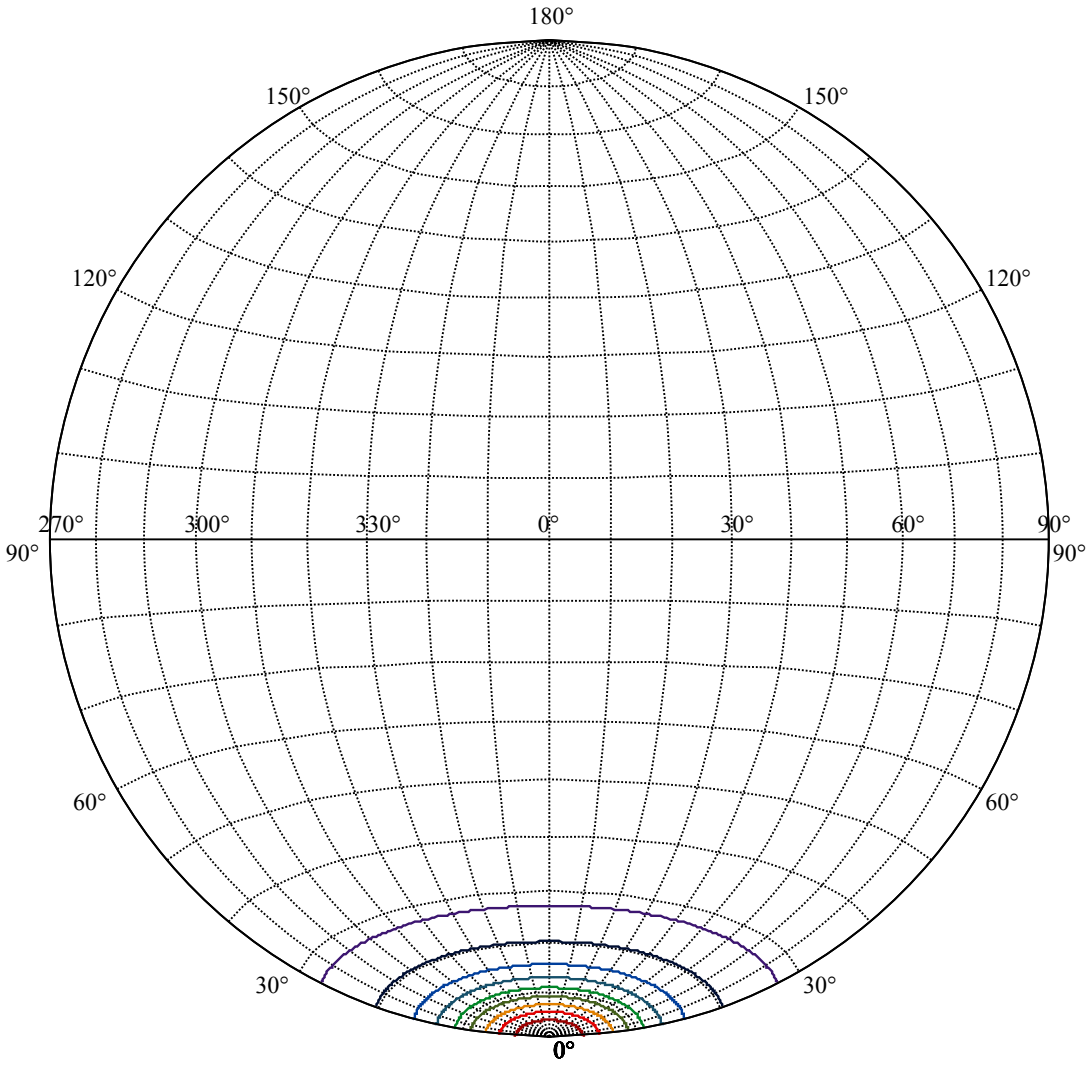


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



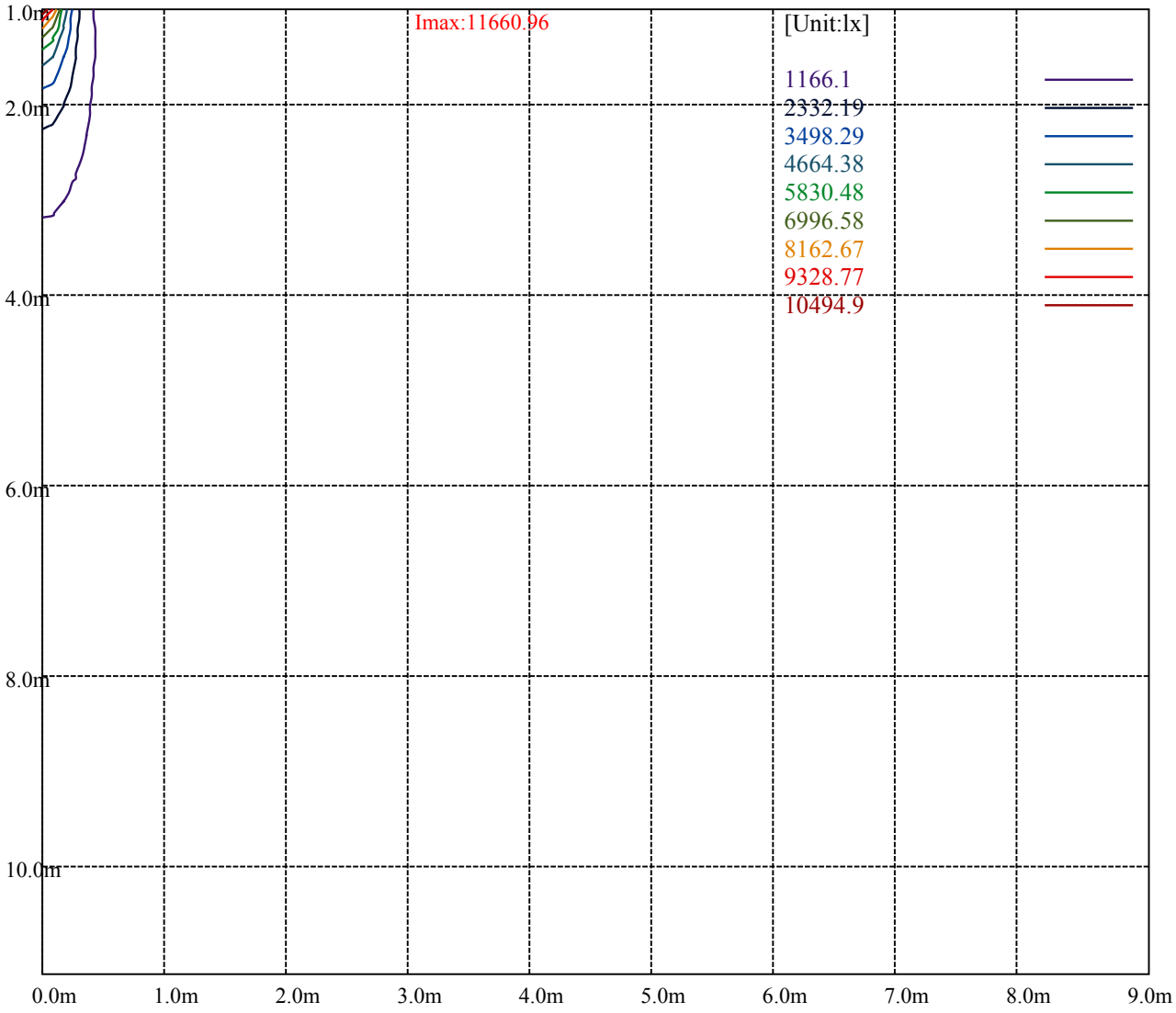
[Unit:cd]

Imax:11660.96

(10%Imax) 1166.1
(20%Imax) 2332.19
(30%Imax) 3498.29
(40%Imax) 4664.38
(50%Imax) 5830.48
(60%Imax) 6996.58
(70%Imax) 8162.67
(80%Imax) 9328.77
(90%Imax) 10494.9

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

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

NT 2-2687-L

Luminance Limitting Curve(no luminous side)

Luminance Table

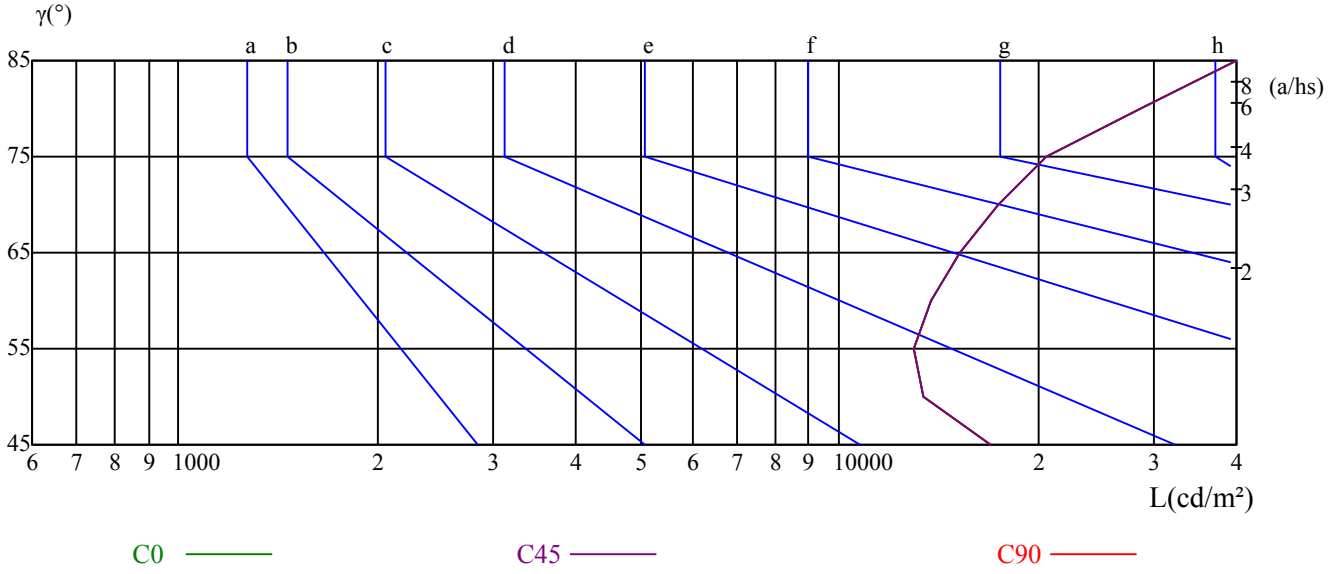
γ	45	50	55	60	65	70	75	80	85
C0	16916	13424	12973	13807	15255	17397	20571	28543	54228
C45	16916	13424	12973	13807	15255	17397	20571	28543	54228
C90	16916	13424	12973	13807	15255	17397	20571	28543	54228

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
15255	15255	15255	20571	20571	20571	54228	54228	54228

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

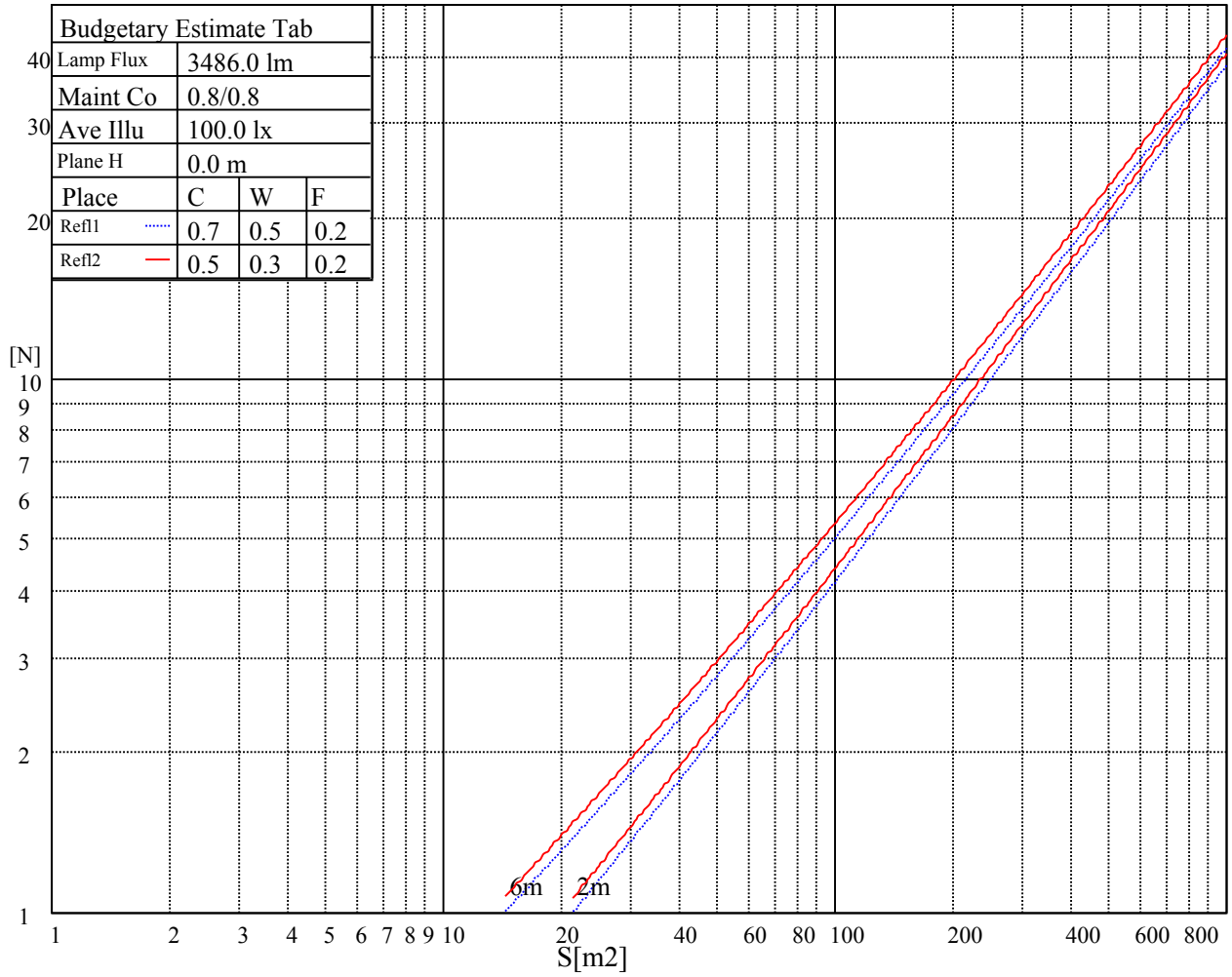
Date: 2024/3/22
Humidity(%): 60.0%

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

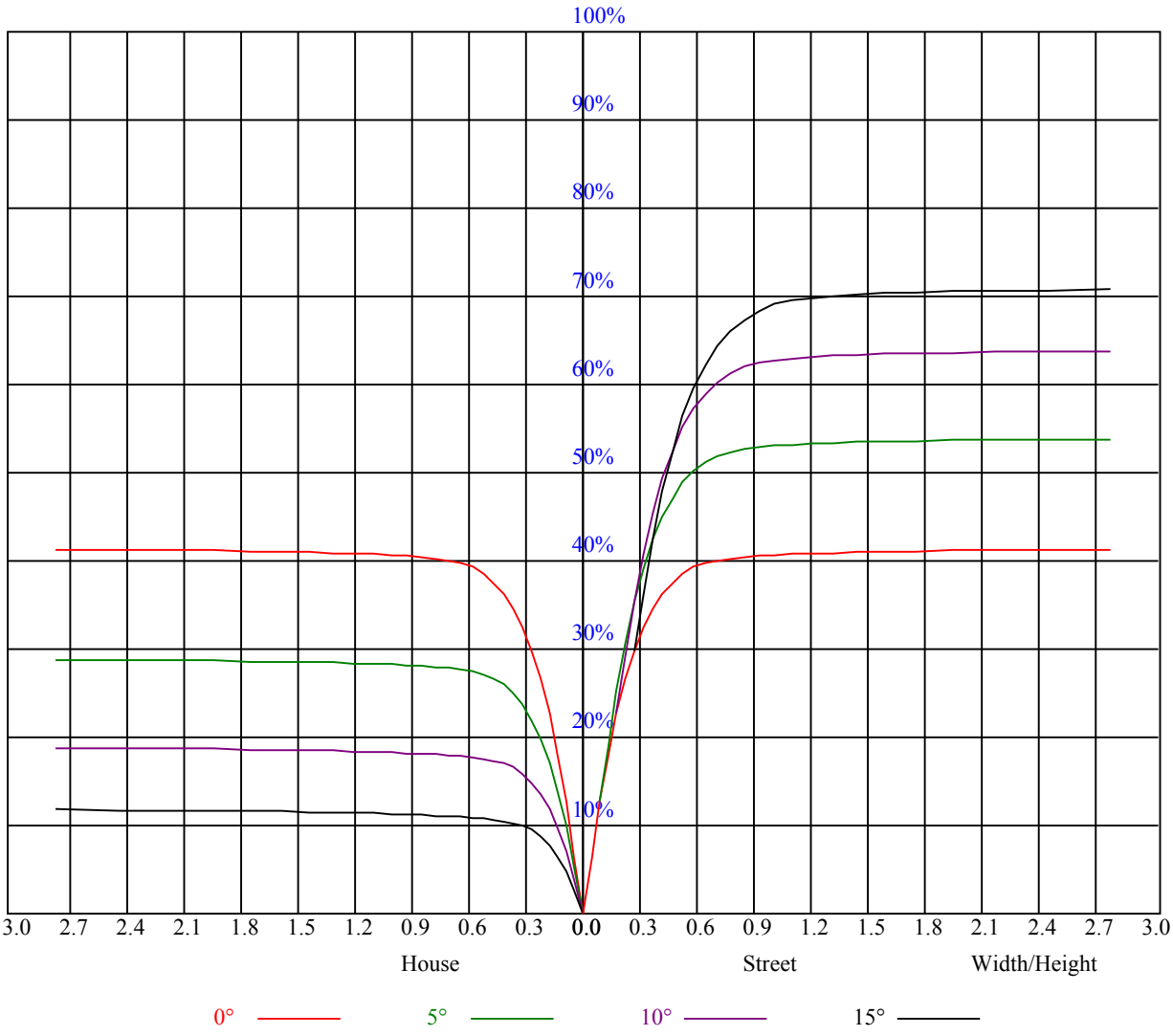


Equipment: GMS1980 Date: 2024/3/22 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

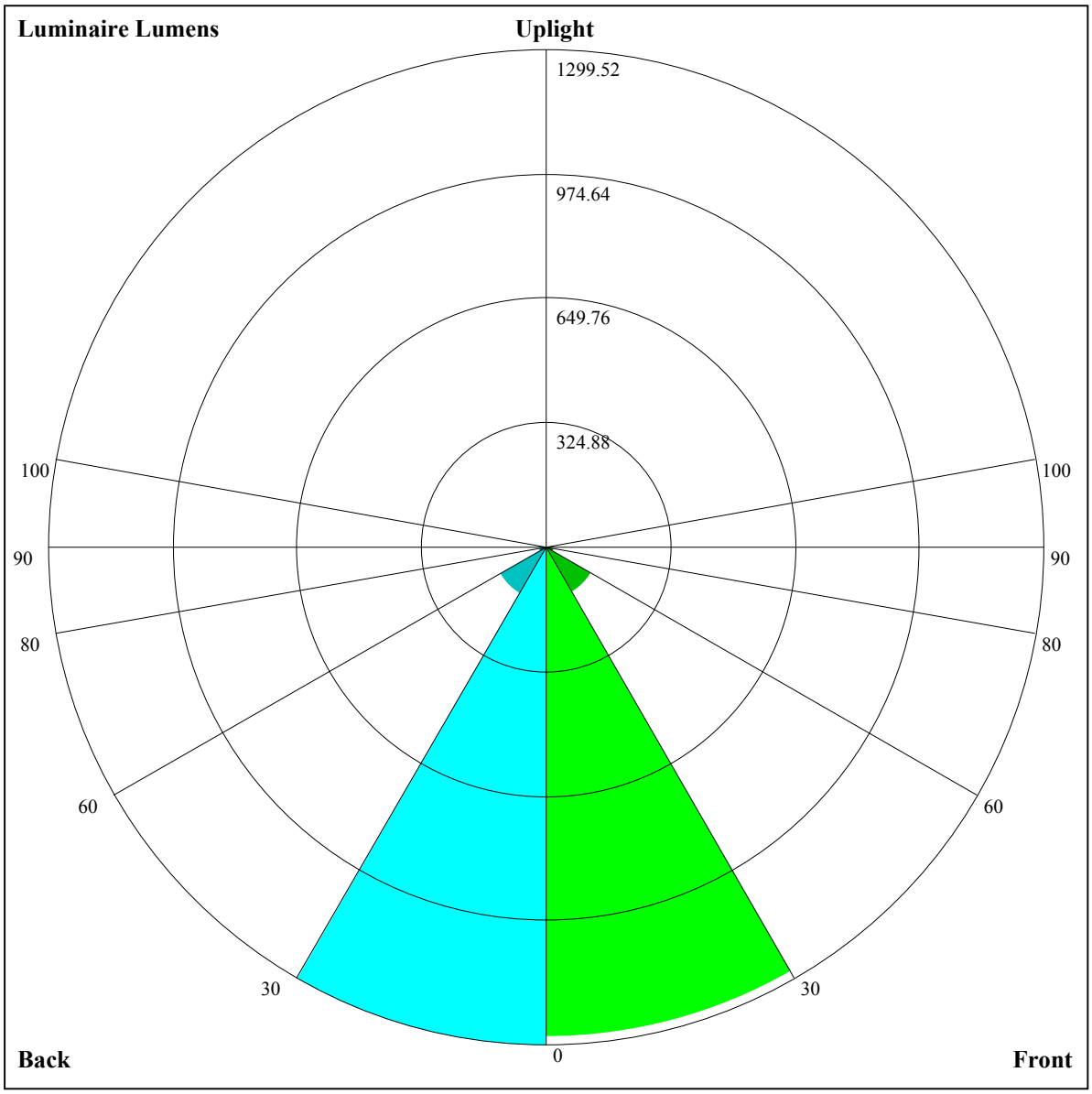
Utilization factor table for indoor luminaire

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

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=1277.29,FM=135.1,FH=22.79,FVH=7.48
BL=1299.52,BM=139.01,BH=21.17,BVH=7.3
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	11671.20	11569.96	11256.28	10800.39	10098.70	9463.15	8812.96	8148.73	7335.27
45.0	11643.70	11643.70	11614.38	11345.17	10935.51	10262.51	9648.02	8834.56	8184.96
90.0	11650.13	11650.13	11395.56	10884.66	10357.37	9742.30	9100.89	8288.01	7635.49
135.0	11678.81	11678.81	11643.64	11403.69	10917.96	10385.40	9782.62	9138.87	8325.41
180.0	11671.20	11671.20	11573.41	11280.80	10748.24	10198.13	9419.78	8758.48	8091.32
225.0	11643.70	11530.16	11109.38	10637.11	10060.08	9421.60	8584.14	7909.96	7247.48
270.0	11650.13	11684.60	11491.48	11152.05	10560.97	9981.60	9337.85	8495.13	7827.97
315.0	11678.81	11462.86	11107.63	10625.40	9885.09	9236.66	8560.73	7720.35	7073.09
360.0	11671.20	11569.96	11256.28	10800.39	10098.70	9463.15	8812.96	8148.73	7335.27

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6711.42	6110.39	5552.09	4905.41	4446.01	3931.01	3577.54	3257.42	2913.89
45.0	7541.21	6909.17	6300.53	5592.41	5077.41	4597.53	4059.12	3678.72	3345.15
90.0	6999.35	6379.60	5666.79	5143.60	4651.43	4112.43	3722.67	3382.66	3016.89
135.0	7675.81	7049.62	6435.13	5727.01	5194.46	4574.12	4135.20	3743.10	3310.03
180.0	7283.71	6639.96	6031.33	5481.22	4960.37	4363.44	3947.93	3579.24	3181.28
225.0	6603.15	5858.16	5310.98	4811.78	4244.11	3842.06	3405.48	3102.92	2836.06
270.0	7190.07	6552.18	5826.50	5282.24	4784.80	4322.47	3819.18	3473.90	3175.43
315.0	6447.48	5723.56	5199.20	4715.22	4276.88	3790.56	3450.55	3153.25	2888.73
360.0	6711.42	6110.39	5552.09	4905.41	4446.01	3931.01	3577.54	3257.42	2913.89

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2679.80	2474.98	2290.04	2071.17	1901.45	1755.15	1628.15	1466.63	1139.14
45.0	3052.53	2988.16	2719.60	2347.40	2123.25	1951.78	1766.85	1638.69	1509.35
90.0	2765.83	2496.63	2302.33	2121.50	1943.59	1753.98	1622.30	1493.55	1165.48
135.0	3017.42	2953.05	2953.05	2304.09	2119.74	1946.52	1790.85	1624.64	1491.80
180.0	2964.75	2964.75	2388.36	2207.53	2022.60	1816.01	1672.05	1556.17	1415.72
225.0	2597.29	2346.81	2159.54	1985.14	1819.52	1649.81	1525.74	1137.79	1137.79
270.0	2964.75	2964.75	2399.48	2184.12	1997.43	1837.67	1677.31	1549.73	1424.50
315.0	2601.97	2401.24	2219.82	1996.85	1841.18	1678.48	1556.76	1316.81	1130.36
360.0	2679.80	2474.98	2290.04	2071.17	1901.45	1755.15	1628.15	1466.63	1139.14

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1139.14	992.01	856.18	725.56	574.11	462.91	338.96	256.62	198.68
45.0	1365.97	1175.78	1027.71	885.50	750.90	595.82	482.28	378.11	309.06
90.0	1165.48	1017.47	877.60	745.23	590.49	478.07	375.95	267.33	206.17
135.0	1343.15	1156.46	1007.82	867.36	707.60	589.38	448.34	348.85	305.55
180.0	1233.13	1096.77	952.22	804.74	649.07	529.69	422.59	306.13	306.13
225.0	1067.04	923.19	786.72	625.55	508.68	402.87	290.97	222.39	179.61
270.0	1275.85	1093.84	950.46	806.50	674.24	523.25	413.81	317.84	296.18
315.0	1092.85	948.24	809.02	679.45	528.46	416.91	320.47	242.46	181.71
360.0	1139.14	992.01	856.18	725.56	574.11	462.91	338.96	256.62	198.68

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	167.14	149.29	130.04	116.64	104.99	94.46	83.34	75.61	67.24
45.0	309.06	166.44	147.83	128.98	116.23	102.06	92.29	83.86	76.37
90.0	166.20	148.47	132.67	118.92	104.17	93.69	84.57	76.61	67.94
135.0	305.55	168.84	151.75	136.36	122.72	107.97	97.32	88.08	79.94
180.0	222.50	160.41	144.96	131.09	115.52	103.99	93.87	83.22	75.67
225.0	154.03	139.75	126.82	115.23	101.71	92.17	83.69	74.56	68.00
270.0	212.50	155.49	136.94	123.95	109.55	98.84	89.48	81.11	71.92
315.0	158.83	138.76	124.83	112.66	98.84	89.36	81.00	71.69	65.19
360.0	167.14	149.29	130.04	116.64	104.99	94.46	83.34	75.61	67.24

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	61.39	56.30	50.86	47.23	43.95	40.50	38.27	36.34	34.76
45.0	68.06	62.44	57.47	52.96	48.05	44.59	41.67	38.74	36.81
90.0	61.98	56.77	51.09	47.29	44.01	40.56	38.33	36.40	34.35
135.0	71.05	64.78	58.05	53.31	49.22	44.89	41.90	39.44	37.45
180.0	68.94	63.09	56.88	52.67	48.81	45.53	41.96	39.50	37.40
225.0	62.33	56.18	51.97	48.22	44.24	41.43	39.03	36.46	34.65
270.0	65.43	59.81	54.89	49.51	45.88	42.72	40.03	37.10	35.11
315.0	59.52	54.48	50.10	45.35	42.19	39.50	36.64	34.59	32.66
360.0	61.39	56.30	50.86	47.23	43.95	40.50	38.27	36.34	34.76

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	33.30	31.89	30.96	30.14	29.38	29.03	28.91	28.56	28.09
45.0	35.05	33.36	32.13	30.90	30.02	29.32	28.91	28.68	28.44
90.0	33.01	31.84	30.84	29.73	29.03	28.56	28.32	28.09	27.68
135.0	35.17	33.59	32.25	31.02	29.79	29.03	28.32	27.97	27.62
180.0	35.58	33.65	32.30	30.90	29.96	29.14	28.50	28.21	27.80
225.0	33.12	31.78	30.43	29.55	28.85	28.38	28.09	27.68	27.21
270.0	33.12	31.78	30.61	29.44	28.68	28.09	27.92	27.68	27.33
315.0	31.25	30.14	29.03	28.27	27.80	27.56	27.51	27.15	26.92
360.0	33.30	31.89	30.96	30.14	29.38	29.03	28.91	28.56	28.09

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	27.51	26.28	24.99	23.88	22.47	21.77	21.30	21.19	21.95
45.0	27.97	27.51	26.16	24.87	23.94	23.12	22.94	23.35	24.81
90.0	27.15	25.98	24.70	23.29	22.06	21.07	20.01	19.37	18.84
135.0	27.10	26.63	25.52	24.23	22.82	21.71	20.78	19.96	19.08
180.0	27.21	26.39	25.16	24.05	22.94	21.54	20.72	19.72	19.20
225.0	26.28	24.93	23.53	22.36	21.30	20.66	20.42	20.01	19.43
270.0	26.86	26.16	24.46	23.35	22.12	20.83	20.07	19.08	18.61
315.0	25.87	24.46	23.47	22.12	21.01	20.48	20.13	20.37	21.07
360.0	27.51	26.28	24.99	23.88	22.47	21.77	21.30	21.19	21.95

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	22.59	23.12	23.41	23.41	23.17	22.59	21.48	20.13	18.32
45.0	25.52	25.28	24.87	24.76	24.11	23.41	22.65	21.83	20.95
90.0	18.38	17.85	17.50	17.15	16.74	16.27	15.92	15.51	15.04
135.0	18.55	18.08	17.67	17.21	16.91	16.50	16.09	15.68	15.39
180.0	18.79	18.32	17.91	17.50	17.03	16.44	16.04	15.68	15.39
225.0	18.84	18.08	17.44	16.91	16.27	15.92	15.51	15.10	14.69
270.0	18.20	17.79	17.32	16.97	16.62	16.21	15.80	15.39	15.04
315.0	21.42	21.59	21.54	21.36	21.13	20.25	18.79	17.79	16.74
360.0	22.59	23.12	23.41	23.41	23.17	22.59	21.48	20.13	18.32

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	16.04	14.51	13.99	13.64	13.46	13.05	12.58	12.47	12.17
45.0	18.38	15.33	14.34	13.93	13.58	13.28	12.87	12.52	12.47
90.0	14.69	14.34	13.99	13.64	13.34	12.87	12.52	12.41	12.17
135.0	15.04	14.75	14.05	13.69	13.40	13.05	12.82	12.52	12.41
180.0	15.04	14.46	13.93	13.58	13.23	12.87	12.58	12.41	12.35
225.0	14.28	13.93	13.58	13.34	12.87	12.70	12.47	12.41	12.29
270.0	14.63	14.22	13.93	13.64	13.34	12.93	12.52	12.41	12.17
315.0	14.46	13.99	13.64	13.40	13.17	12.70	12.41	12.23	12.47
360.0	16.04	14.51	13.99	13.64	13.46	13.05	12.58	12.47	12.17

Intensity data(cd)

C/γ(°)	90.0
0.0	12.29
45.0	12.23
90.0	12.23
135.0	12.17
180.0	12.29
225.0	12.41
270.0	12.41
315.0	12.29
360.0	12.29