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: 1-1302-L
Luminaire: 92.70.427.00
Report No: 2024724-B004
Ballast type: AC

Test No: 2024724-C004	Voltage(V): 36.190
LampCAT: P2121-018-1203-P3090-1	Current(A): 0.360
Lamp flux(lm): 2004.0	Power (W): 13.028
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1854.77, Efficiency(%): 92.55% , Luminous Efficacy(lm/W): 142.37
Central intensity(cd): 3501.460, Maximum intensity(cd): 3501.460
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=42.4
[C90/270]Total=42.4
Field angle(10%Imax): [C0/180]Total=66.0
[C90/270]Total=66.0
Maximum s/h(1/2): C0_180=0.69 C90_270=0.69
Maximum s/h(1/4): C0_180=0.67 C90_270=0.67
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.55%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.491%

NT 1-1302-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3501.460	0.000	0	0.00%	0.00%
1.0	3496.997	3.349	3.349	0.17%	0.18%
2.0	3488.585	10.026	13.375	0.50%	0.72%
3.0	3471.613	16.647	30.022	0.83%	1.62%
4.0	3443.669	23.148	53.169	1.16%	2.87%
5.0	3400.435	29.443	82.612	1.47%	4.45%
6.0	3351.130	35.481	118.093	1.77%	6.37%
7.0	3299.923	41.283	159.376	2.06%	8.59%
8.0	3247.326	46.857	206.234	2.34%	11.12%
9.0	3186.682	52.144	258.378	2.60%	13.93%
10.0	3116.089	57.038	315.416	2.85%	17.01%
11.0	3038.986	61.502	376.918	3.07%	20.32%
12.0	2951.348	65.483	442.4	3.27%	23.85%
13.0	2854.713	68.903	511.304	3.44%	27.57%
14.0	2747.909	71.713	583.017	3.58%	31.43%
15.0	2629.474	73.823	656.84	3.68%	35.41%
16.0	2498.530	75.140	731.98	3.75%	39.46%
17.0	2351.127	75.522	807.502	3.77%	43.54%
18.0	2217.842	75.332	882.834	3.76%	47.60%
19.0	2072.999	74.652	957.486	3.73%	51.62%
20.0	1934.593	73.350	1030.836	3.66%	55.58%
21.0	1784.922	71.422	1102.258	3.56%	59.43%
22.0	1642.858	68.883	1171.141	3.44%	63.14%
23.0	1454.833	64.998	1236.139	3.24%	66.65%
24.0	1301.511	60.264	1296.403	3.01%	69.90%
25.0	1228.387	57.524	1353.927	2.87%	73.00%
26.0	1109.411	55.184	1409.111	2.75%	75.97%
27.0	981.934	51.165	1460.276	2.55%	78.73%
28.0	858.496	46.596	1506.872	2.33%	81.24%
29.0	740.463	41.833	1548.705	2.09%	83.50%
30.0	626.483	36.907	1585.612	1.84%	85.49%
31.0	525.788	32.066	1617.679	1.60%	87.22%
32.0	429.080	27.356	1645.034	1.37%	88.69%
33.0	351.281	22.990	1668.024	1.15%	89.93%
34.0	275.480	18.968	1686.992	0.95%	90.95%
35.0	236.906	15.913	1702.905	0.79%	91.81%
36.0	190.110	13.596	1716.501	0.68%	92.55%
37.0	122.670	10.201	1726.702	0.51%	93.10%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	99.291	7.409	1734.111	0.37%	93.49%
39.0	83.241	6.230	1740.341	0.31%	93.83%
40.0	73.329	5.461	1745.802	0.27%	94.12%
41.0	64.602	4.912	1750.713	0.25%	94.39%
42.0	58.332	4.466	1755.18	0.22%	94.63%
43.0	53.424	4.140	1759.319	0.21%	94.85%
44.0	49.327	3.878	1763.198	0.19%	95.06%
45.0	45.816	3.656	1766.854	0.18%	95.26%
46.0	42.656	3.460	1770.314	0.17%	95.45%
47.0	40.088	3.291	1773.605	0.16%	95.62%
48.0	37.893	3.152	1776.757	0.16%	95.79%
49.0	36.079	3.038	1779.795	0.15%	95.96%
50.0	34.338	2.936	1782.731	0.15%	96.12%
51.0	32.882	2.844	1785.575	0.14%	96.27%
52.0	31.580	2.766	1788.341	0.14%	96.42%
53.0	30.388	2.696	1791.037	0.13%	96.56%
54.0	29.298	2.631	1793.667	0.13%	96.71%
55.0	28.201	2.567	1796.234	0.13%	96.84%
56.0	27.315	2.509	1798.743	0.13%	96.98%
57.0	26.430	2.457	1801.2	0.12%	97.11%
58.0	25.552	2.404	1803.604	0.12%	97.24%
59.0	24.696	2.349	1805.953	0.12%	97.37%
60.0	23.767	2.290	1808.243	0.11%	97.49%
61.0	22.999	2.232	1810.474	0.11%	97.61%
62.0	22.143	2.175	1812.65	0.11%	97.73%
63.0	21.288	2.112	1814.762	0.11%	97.84%
64.0	20.563	2.054	1816.816	0.10%	97.95%
65.0	19.795	1.997	1818.813	0.10%	98.06%
66.0	19.034	1.937	1820.75	0.10%	98.17%
67.0	18.303	1.877	1822.628	0.09%	98.27%
68.0	17.688	1.823	1824.451	0.09%	98.37%
69.0	17.103	1.775	1826.226	0.09%	98.46%
70.0	16.635	1.733	1827.958	0.09%	98.55%
71.0	16.174	1.696	1829.654	0.08%	98.65%
72.0	15.721	1.658	1831.313	0.08%	98.74%
73.0	15.340	1.624	1832.937	0.08%	98.82%
74.0	14.923	1.591	1834.528	0.08%	98.91%
75.0	14.536	1.556	1836.084	0.08%	98.99%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.104	1.520	1837.605	0.08%	99.07%
77.0	13.731	1.484	1839.089	0.07%	99.15%
78.0	13.372	1.451	1840.54	0.07%	99.23%
79.0	12.985	1.416	1841.956	0.07%	99.31%
80.0	12.575	1.378	1843.334	0.07%	99.38%
81.0	12.202	1.340	1844.674	0.07%	99.46%
82.0	11.822	1.303	1845.976	0.07%	99.53%
83.0	11.448	1.265	1847.241	0.06%	99.59%
84.0	11.031	1.225	1848.466	0.06%	99.66%
85.0	10.600	1.181	1849.647	0.06%	99.72%
86.0	10.102	1.132	1850.778	0.06%	99.78%
87.0	9.620	1.079	1851.858	0.05%	99.84%
88.0	9.064	1.023	1852.881	0.05%	99.90%
89.0	8.581	0.967	1853.848	0.05%	99.95%
90.0	8.259	0.923	1854.771	0.05%	100.00%

Zonal flux distribution table

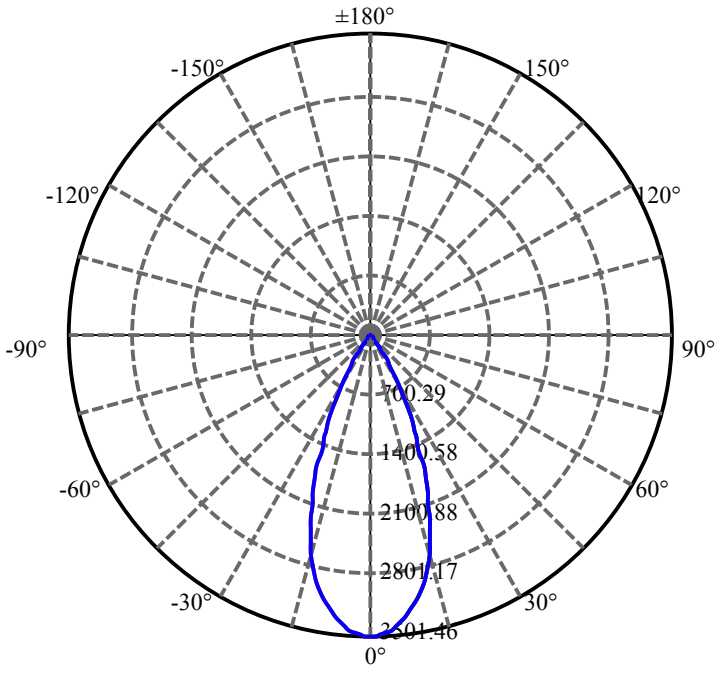
ZONAL LUMEN SUMMARY

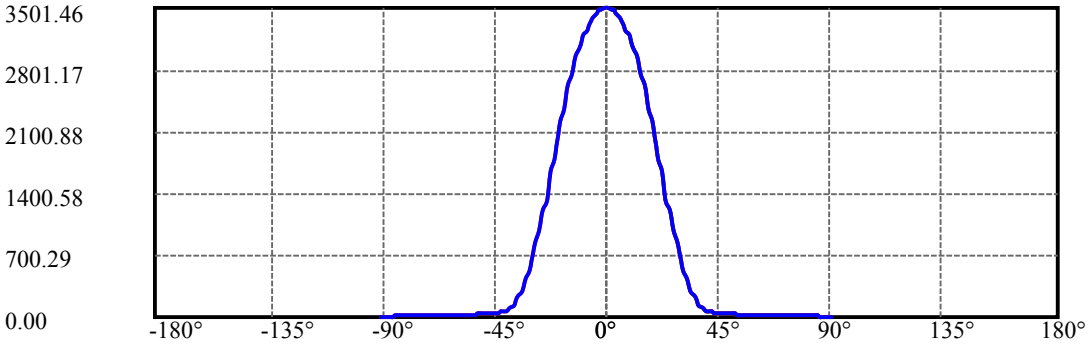
Zone	Lumens	%Lamp	%Fixt
0-30	1585.61	79.12%	85.49%
0-40	1745.80	87.12%	94.12%
0-60	1808.24	90.23%	97.49%
0-90	1853.85	92.51%	99.95%
0-120	1853.85	92.51%	99.95%
0-180	1854.77	92.55%	100.00%
60-90	45.61	2.28%	2.46%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.51	1483.82	74.04%	80.00%

ZONAL LUMEN SUMMARY

0-10	315.42
10-20	715.42
20-30	554.78
30-40	160.19
40-50	36.93
50-60	25.51
60-70	19.72
70-80	15.38
80-90	10.51
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):

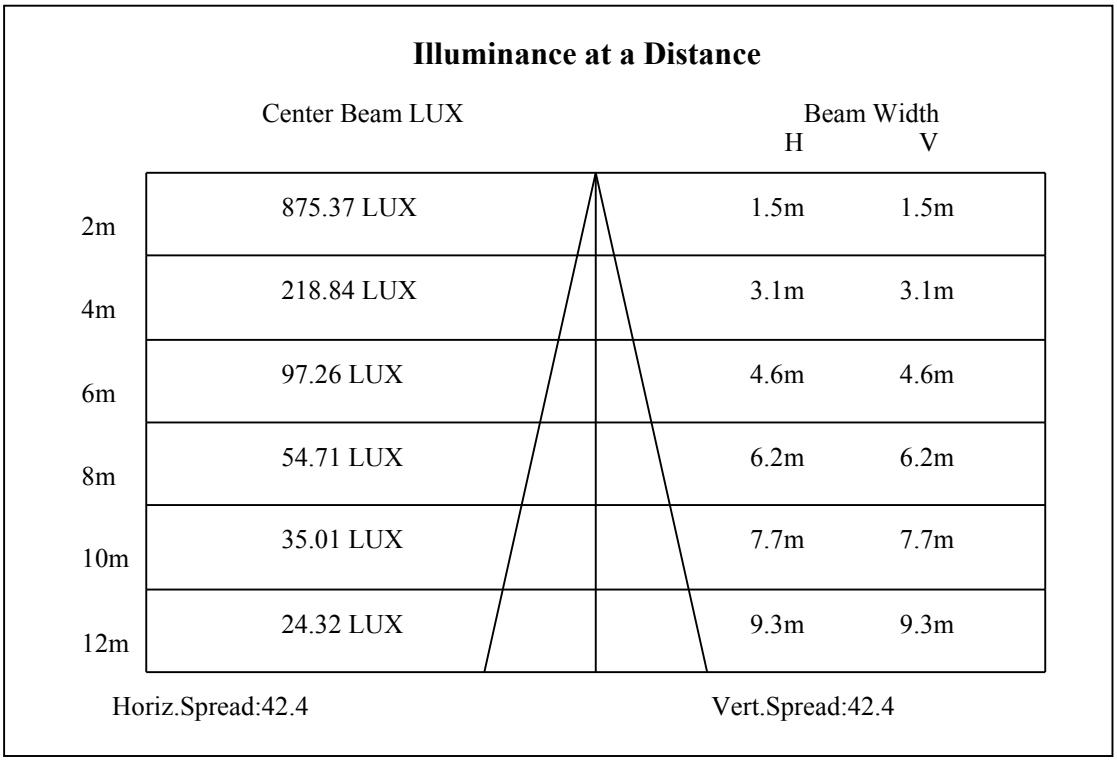
C0/C180:

C90/C270:

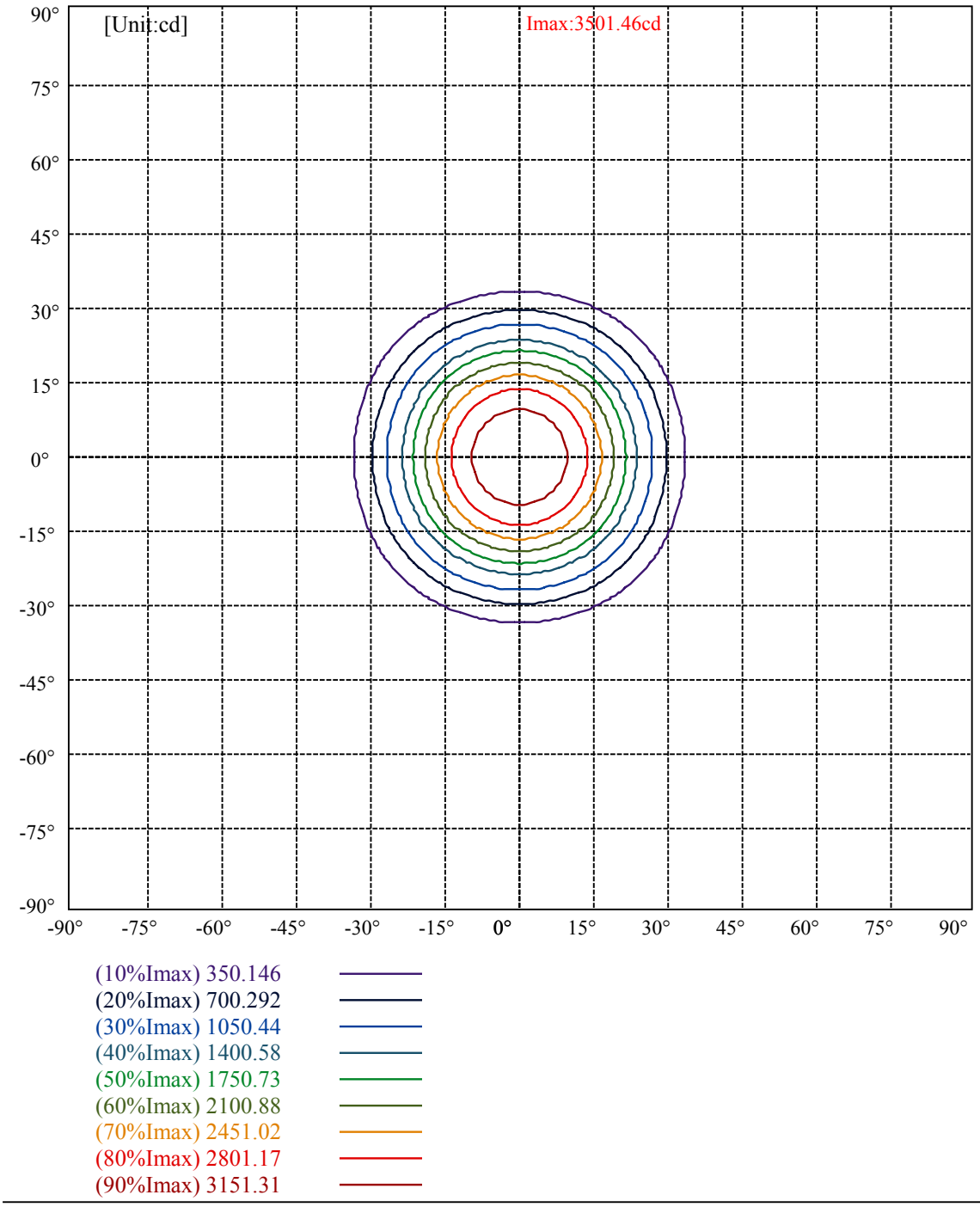
Field angle(10%Imax):C0/180Left:33.0 Right:33.0
:C90/270Left:33.0 Right:33.0

Beam Angle(50%Imax):C0/180Left:21.2 Right:21.2
:C90/270Left:21.2 Right:21.2

Lux distance Curve



ISO-Intensity(V-H)

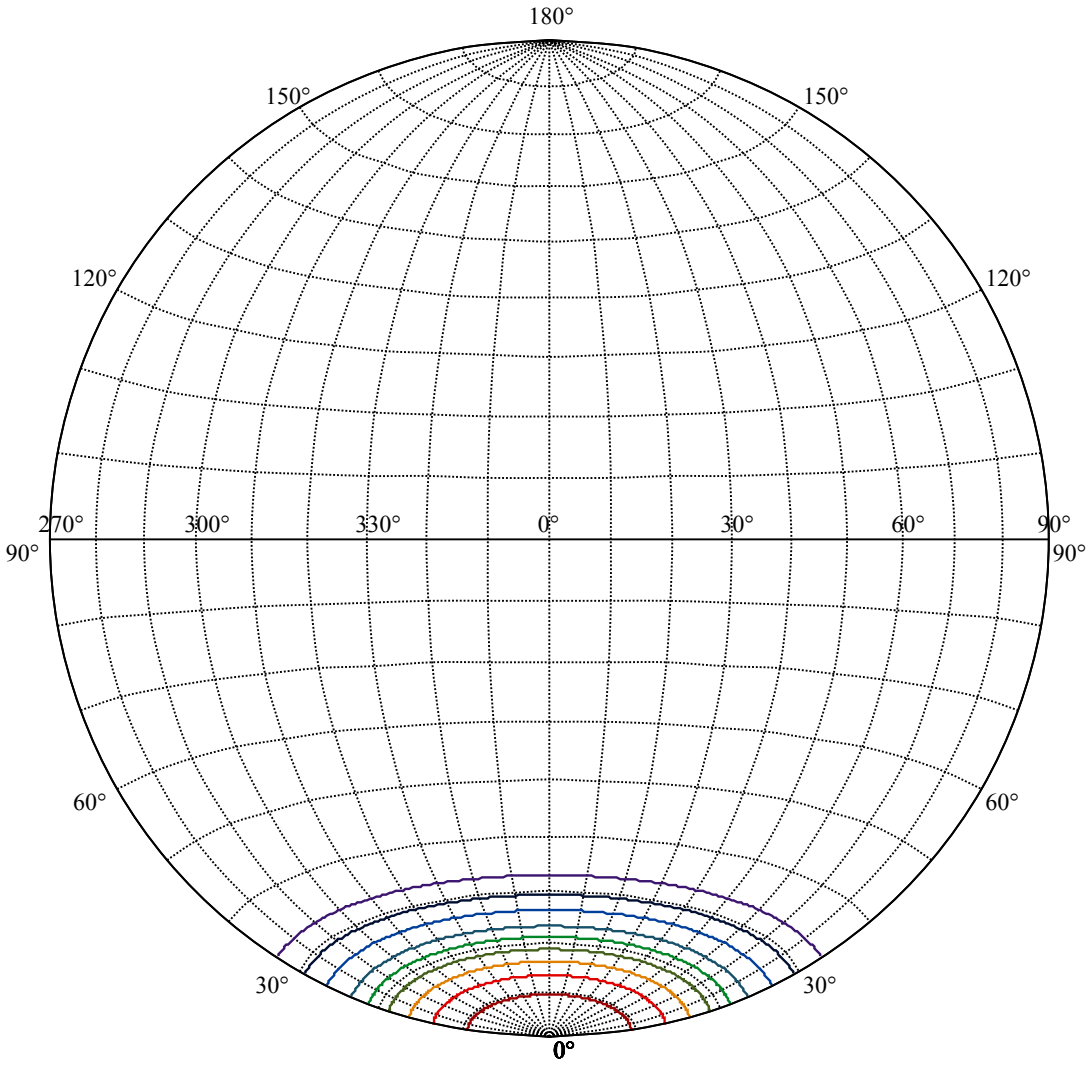


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/24
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



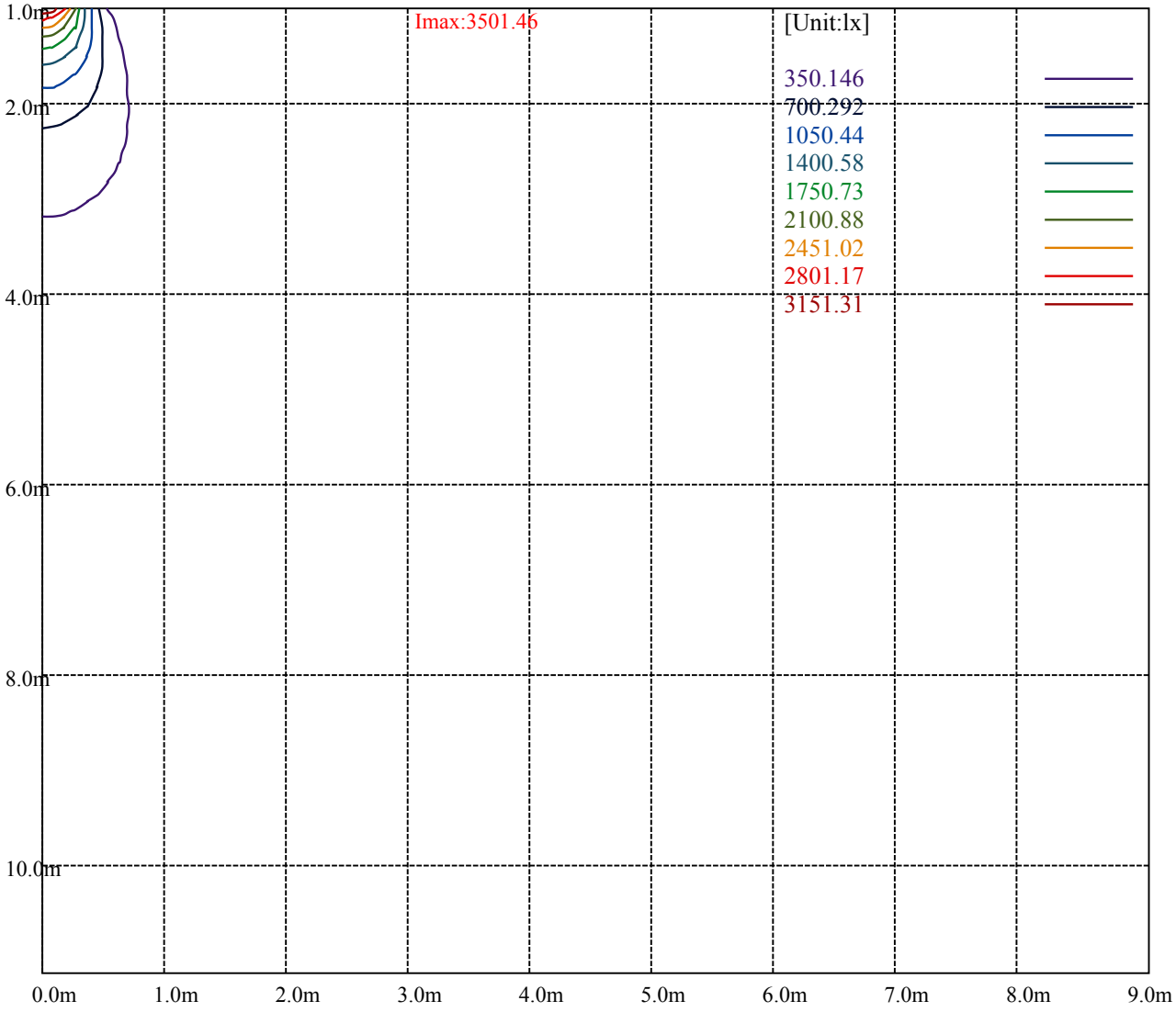
[Unit:cd]

Imax:3501.46

(10%Imax) 350.146
(20%Imax) 700.292
(30%Imax) 1050.44
(40%Imax) 1400.58
(50%Imax) 1750.73
(60%Imax) 2100.88
(70%Imax) 2451.02
(80%Imax) 2801.17
(90%Imax) 3151.31

Equipment: GMS1980	Date: 2024/7/24	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/24
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 1-1302-L

Luminance Limitting Curve(no luminous side)

Luminance Table

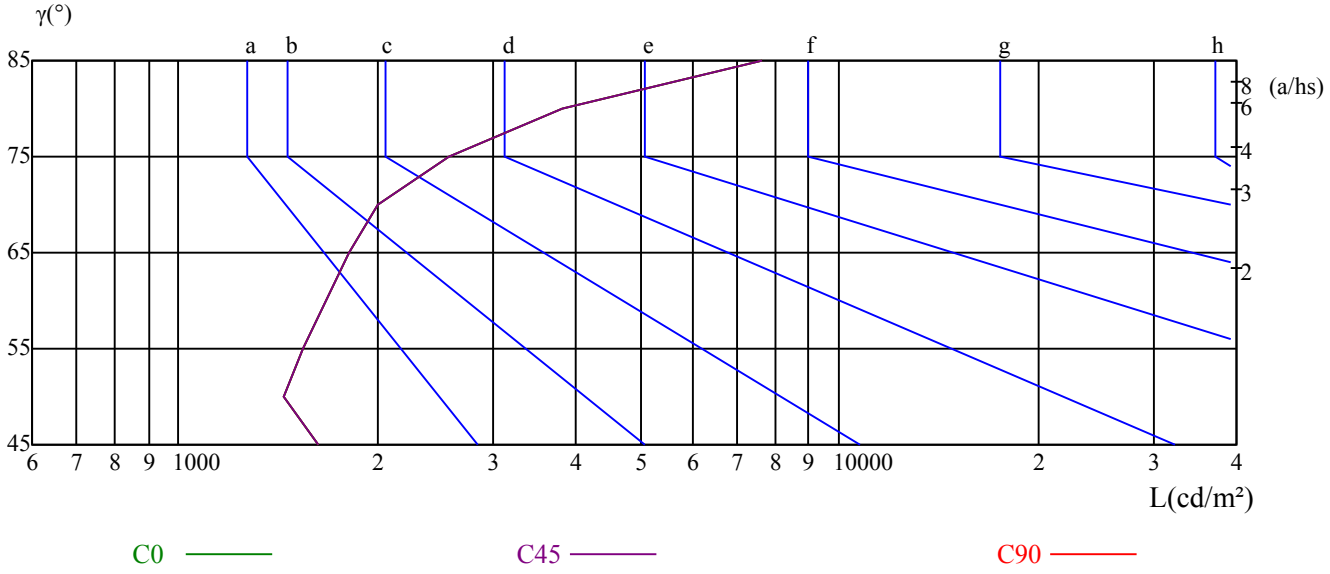
γ	45	50	55	60	65	70	75	80	85
C0	1631	1440	1544	1667	1806	1998	2572	3816	7630
C45	1631	1440	1544	1667	1806	1998	2572	3816	7630
C90	1631	1440	1544	1667	1806	1998	2572	3816	7630

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1806	1806	1806	2572	2572	2572	7630	7630	7630

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

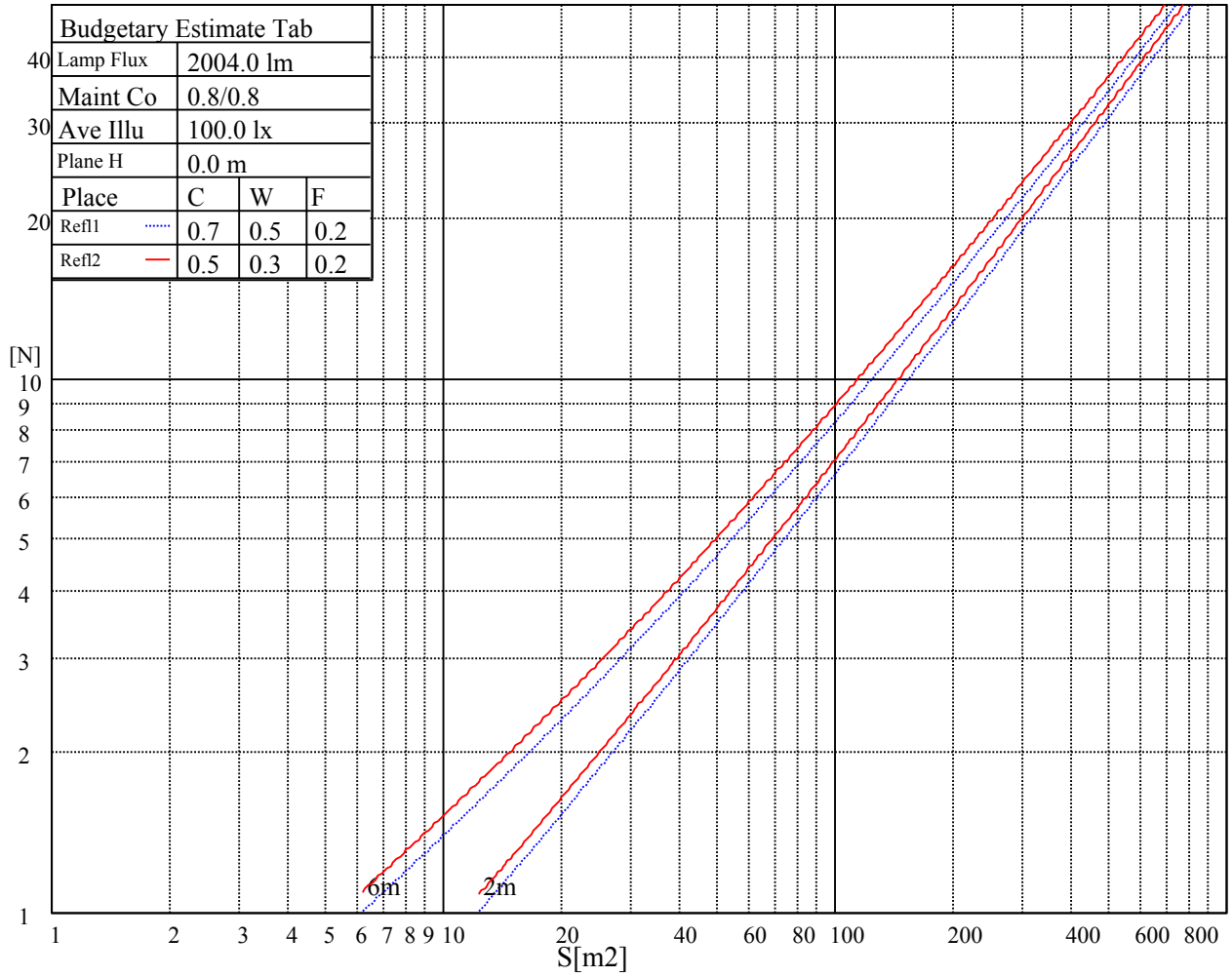
Date: 2024/7/24
Humidity(%): 60.0%

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

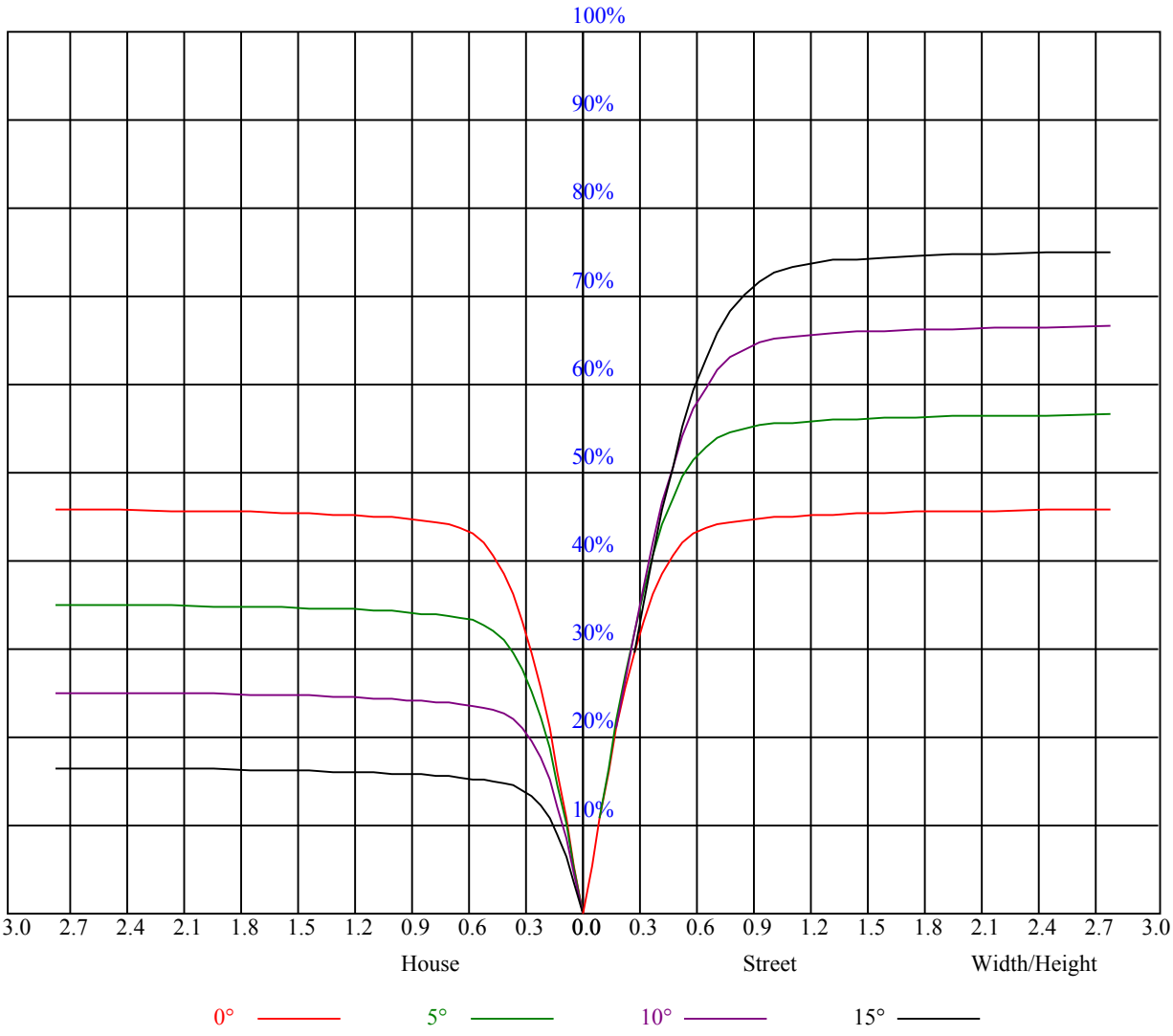


Equipment: GMS1980	Date: 2024/7/24	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Utilization factor table for indoor luminaire

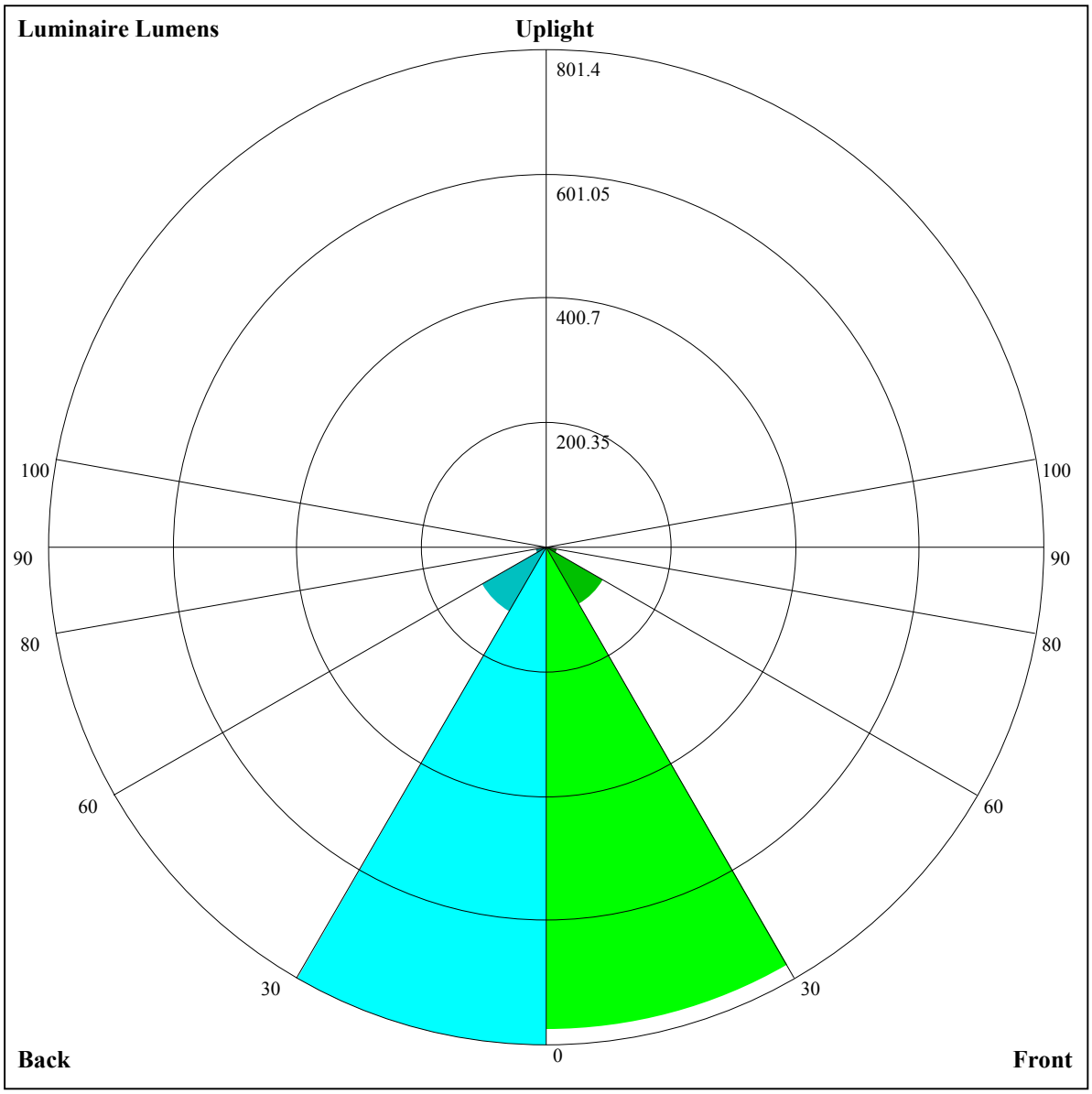
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.10	1.10	1.10	1.08	1.08	1.08	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	0.93
1	1.03	1.01	0.99	1.01	0.99	0.97	0.97	0.95	0.94	0.94	0.92	0.91	0.90	0.89	0.89	0.87
2	0.96	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.87	0.85	0.83	0.82
3	0.91	0.87	0.83	0.89	0.86	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.77
4	0.86	0.81	0.78	0.85	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.77	0.75	0.73
5	0.81	0.76	0.73	0.81	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.69
6	0.77	0.72	0.69	0.77	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.66
7	0.74	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.70	0.67	0.64	0.63
8	0.70	0.65	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.60
9	0.67	0.62	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.57
10	0.64	0.60	0.57	0.64	0.59	0.56	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.55

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/7/24	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:
FL=777.88,FM=106.59,FH=17.24,FVH=5.68
BL=801.4,BM=119.04,BH=17.79,BVH=5.74
UL=0,UH=0

BUG Rating:B2-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	3508.48	3505.56	3496.19	3488.58	3454.64	3372.12	3330.57	3297.22	3262.10
45.0	3490.93	3506.73	3501.46	3486.24	3453.47	3430.65	3377.98	3327.65	3270.88
90.0	3496.78	3494.44	3485.07	3461.08	3430.06	3378.56	3325.89	3262.10	3217.63
135.0	3509.65	3497.36	3489.17	3472.20	3458.15	3446.45	3428.31	3379.73	3319.45
180.0	3508.48	3489.17	3478.64	3462.25	3453.47	3419.53	3382.66	3334.67	3284.34
225.0	3490.93	3481.56	3469.86	3445.86	3418.36	3369.20	3300.14	3249.81	3203.58
270.0	3496.78	3499.70	3495.02	3483.32	3457.57	3415.43	3363.93	3303.07	3236.35
315.0	3509.65	3501.46	3493.27	3473.37	3423.62	3371.54	3299.56	3245.13	3184.27
360.0	3508.48	3505.56	3496.19	3488.58	3454.64	3372.12	3330.57	3297.22	3262.10

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3182.51	3112.29	3033.28	2934.96	2850.69	2746.52	2603.14	2482.58	2302.33
45.0	3214.70	3156.76	3077.76	3005.77	2920.92	2795.68	2689.17	2557.49	2403.58
90.0	3172.56	3087.12	2990.56	2905.12	2791.58	2687.41	2573.29	2462.69	2307.02
135.0	3271.47	3221.14	3161.44	3057.86	2973.59	2881.71	2788.66	2642.93	2542.28
180.0	3247.47	3204.17	3145.64	3089.46	3007.53	2915.06	2812.06	2664.59	2548.13
225.0	3132.77	3046.15	2974.17	2890.48	2791.00	2662.25	2539.94	2404.16	2225.67
270.0	3179.00	3081.85	2991.14	2895.75	2774.61	2665.76	2547.54	2442.20	2284.19
315.0	3092.97	3019.23	2937.89	2831.38	2727.79	2628.89	2482.00	2331.59	2195.82
360.0	3182.51	3112.29	3033.28	2934.96	2850.69	2746.52	2603.14	2482.58	2302.33

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2164.22	2031.96	1903.80	1728.81	1595.38	1454.93	1163.31	1163.31	1055.98
45.0	2281.27	2163.64	2001.53	1869.27	1739.93	1610.60	1452.00	1321.50	1201.53
90.0	2182.95	2058.88	1926.03	1763.34	1632.84	1459.02	1155.53	1155.53	1094.96
135.0	2407.09	2254.93	2129.11	2002.70	1837.08	1707.75	1541.54	1409.28	1283.46
180.0	2416.45	2247.32	2093.41	1929.55	1788.51	1641.03	1495.31	1363.05	1215.57
225.0	2089.31	1920.77	1782.07	1644.54	1476.58	1156.46	1156.46	1128.14	1015.72
270.0	2140.81	2012.65	1880.97	1713.60	1580.17	1467.22	1306.28	1198.60	1056.97
315.0	2060.64	1893.85	1759.83	1627.57	1492.38	1141.66	1141.66	1087.70	951.11
360.0	2164.22	2031.96	1903.80	1728.81	1595.38	1454.93	1163.31	1163.31	1055.98

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	936.18	815.92	676.93	574.93	482.81	381.57	308.65	225.49	170.89
45.0	1078.63	927.05	806.50	700.57	577.68	486.97	403.28	312.57	296.77
90.0	940.87	824.87	719.30	592.01	493.40	404.10	326.61	248.31	194.53
135.0	1152.95	996.11	874.38	757.92	648.49	526.18	433.13	352.95	300.28
180.0	1093.84	966.26	850.39	704.08	600.50	488.72	411.47	328.95	310.23
225.0	863.56	755.41	653.05	554.97	452.14	371.50	300.92	224.67	173.87
270.0	948.71	849.81	743.88	613.37	521.49	433.13	354.70	300.28	300.28
315.0	840.73	732.53	599.27	514.00	429.79	340.48	271.49	210.62	148.41
360.0	936.18	815.92	676.93	574.93	482.81	381.57	308.65	225.49	170.89

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	126.76	99.20	79.82	69.17	61.10	54.89	49.22	45.65	42.78
45.0	296.77	132.73	104.70	87.26	75.85	65.25	58.70	53.43	49.04
90.0	149.99	120.50	98.26	85.74	76.02	66.31	60.10	55.07	49.86
135.0	300.28	157.84	126.53	100.89	89.19	77.07	69.35	62.74	57.70
180.0	240.70	147.18	120.44	99.37	87.73	78.48	69.35	63.91	59.34
225.0	129.63	106.39	90.77	77.25	69.23	62.62	57.88	53.14	49.74
270.0	163.39	127.58	98.49	82.58	71.05	61.33	55.54	50.97	46.47
315.0	113.36	89.95	75.32	63.67	56.47	50.86	46.53	42.49	39.68
360.0	126.76	99.20	79.82	69.17	61.10	54.89	49.22	45.65	42.78

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	40.20	37.34	35.52	33.65	32.19	30.84	29.44	28.50	27.56
45.0	44.77	41.73	39.15	36.46	34.70	32.89	31.60	30.49	29.50
90.0	46.23	42.90	39.56	37.51	35.76	34.06	32.30	31.08	30.02
135.0	52.49	48.92	45.71	42.78	39.85	37.86	36.05	34.41	32.77
180.0	55.54	51.09	48.16	45.47	43.25	40.79	38.86	36.64	35.11
225.0	46.70	44.18	41.32	39.50	37.86	35.99	34.59	33.36	31.89
270.0	43.42	40.32	38.16	36.28	34.88	33.12	32.01	30.96	29.85
315.0	37.16	34.76	33.12	31.49	30.14	29.14	28.21	27.21	26.39
360.0	40.20	37.34	35.52	33.65	32.19	30.84	29.44	28.50	27.56

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	26.69	25.69	24.99	24.35	23.76	22.88	22.36	21.83	21.19
45.0	28.27	27.45	26.69	25.93	25.22	24.58	23.53	22.82	22.00
90.0	29.03	28.03	27.21	26.22	25.46	24.64	23.70	22.88	22.18
135.0	31.60	30.20	29.09	28.09	26.86	26.04	25.22	24.29	23.29
180.0	33.65	32.07	30.84	29.61	28.38	27.10	26.04	25.11	24.11
225.0	30.78	29.50	28.50	27.39	26.45	25.46	24.11	23.29	22.24
270.0	28.68	27.68	26.86	26.10	25.11	24.35	23.29	22.53	21.71
315.0	25.69	24.99	24.35	23.76	23.17	22.53	21.89	21.24	20.42
360.0	26.69	25.69	24.99	24.35	23.76	22.88	22.36	21.83	21.19

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.60	20.01	19.20	18.55	17.85	17.38	17.03	16.56	16.09
45.0	21.13	20.48	19.84	19.31	18.55	17.91	17.32	16.80	16.33
90.0	21.13	20.42	19.78	18.96	18.14	17.62	17.03	16.62	16.09
135.0	22.47	21.83	21.07	20.13	19.43	18.79	17.91	17.38	16.85
180.0	23.06	22.18	21.42	20.37	19.61	18.79	17.97	17.38	16.85
225.0	21.42	20.37	19.49	18.73	17.67	17.09	16.50	16.09	15.74
270.0	20.78	20.07	19.25	18.49	17.97	17.32	16.80	16.39	15.92
315.0	19.72	19.14	18.32	17.73	17.21	16.62	16.27	15.86	15.51
360.0	20.60	20.01	19.20	18.55	17.85	17.38	17.03	16.56	16.09

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.68	15.33	14.92	14.51	14.16	13.87	13.52	13.11	12.70
45.0	15.92	15.51	15.04	14.69	14.34	13.87	13.52	13.17	12.70
90.0	15.68	15.22	14.86	14.46	14.05	13.64	13.28	12.93	12.47
135.0	16.33	15.98	15.45	15.10	14.69	14.28	13.87	13.52	13.17
180.0	16.39	15.98	15.63	15.16	14.63	14.22	13.93	13.58	13.11
225.0	15.22	14.81	14.46	14.05	13.58	13.28	12.93	12.52	12.11
270.0	15.51	15.16	14.69	14.34	13.81	13.46	13.11	12.64	12.29
315.0	15.04	14.75	14.34	13.99	13.58	13.23	12.82	12.41	12.06
360.0	15.68	15.33	14.92	14.51	14.16	13.87	13.52	13.11	12.70

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.29	12.06	11.65	11.24	10.77	10.18	9.66	9.13	8.54
45.0	12.35	11.94	11.53	11.18	10.77	10.36	9.83	9.36	8.84
90.0	12.11	11.70	11.41	10.94	10.59	10.01	9.60	9.07	8.49
135.0	12.82	12.35	11.94	11.53	11.06	10.59	10.12	9.66	9.13
180.0	12.70	12.23	11.88	11.41	10.94	10.42	9.95	9.31	8.78
225.0	11.70	11.29	10.94	10.53	10.12	9.66	9.13	8.60	8.19
270.0	11.94	11.59	11.18	10.77	10.42	9.89	9.48	8.90	8.37
315.0	11.70	11.41	11.06	10.65	10.12	9.71	9.19	8.49	8.31
360.0	12.29	12.06	11.65	11.24	10.77	10.18	9.66	9.13	8.54

Intensity data(cd)

C/γ(°)	90.0
0.0	8.25
45.0	8.25
90.0	8.25
135.0	8.54
180.0	8.19
225.0	8.13
270.0	8.19
315.0	8.25
360.0	8.25