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: 2-2678-L
Luminaire: 92.70.411.00
Report No: 2024330-B002
Ballast type: AC

Test No: 2024330-C002	Voltage(V): 34.090
LampCAT: LUMILEDS LUXEON 1208	Current(A): 0.576
Lamp flux(lm): 2850.0	Power (W): 19.635
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2412.66, Efficiency(%): 84.65% , Luminous Efficacy(lm/W): 122.88
Central intensity(cd): 9851.591, Maximum intensity(cd): 9851.591
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=21.2
[C90/270]Total=21.2
Field angle(10%Imax): [C0/180]Total=55.0
[C90/270]Total=55.0
Maximum s/h(1/2): C0_180=0.36 C90_270=0.36
Maximum s/h(1/4): C0_180=0.39 C90_270=0.39
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.65%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.924%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9851.590	0.000	0	0.00%	0.00%
1.0	9802.797	9.404	9.404	0.33%	0.39%
2.0	9660.587	27.936	37.34	0.98%	1.55%
3.0	9417.280	45.628	82.968	1.60%	3.44%
4.0	9065.706	61.868	144.836	2.17%	6.00%
5.0	8576.897	75.898	220.734	2.66%	9.15%
6.0	8012.959	87.184	307.918	3.06%	12.76%
7.0	7378.941	95.537	403.455	3.35%	16.72%
8.0	6676.598	100.593	504.048	3.53%	20.89%
9.0	6021.439	102.911	606.959	3.61%	25.16%
10.0	5299.490	102.450	709.409	3.59%	29.40%
11.0	4711.266	100.028	809.437	3.51%	33.55%
12.0	4139.501	96.752	906.189	3.39%	37.56%
13.0	3651.277	92.457	998.646	3.24%	41.39%
14.0	3250.398	88.341	1086.986	3.10%	45.05%
15.0	2908.846	84.557	1171.543	2.97%	48.56%
16.0	2613.234	80.914	1252.457	2.84%	51.91%
17.0	2352.444	77.329	1329.786	2.71%	55.12%
18.0	2140.519	74.079	1403.865	2.60%	58.19%
19.0	1943.810	71.059	1474.924	2.49%	61.13%
20.0	1783.312	68.217	1543.141	2.39%	63.96%
21.0	1632.763	65.596	1608.737	2.30%	66.68%
22.0	1500.283	62.960	1671.696	2.21%	69.29%
23.0	1367.473	60.173	1731.87	2.11%	71.78%
24.0	1252.923	57.291	1789.161	2.01%	74.16%
25.0	1198.124	55.731	1844.892	1.96%	76.47%
26.0	1128.716	54.925	1899.818	1.93%	78.74%
27.0	1035.782	52.955	1952.773	1.86%	80.94%
28.0	943.492	50.111	2002.884	1.76%	83.02%
29.0	840.902	46.685	2049.569	1.64%	84.95%
30.0	744.699	42.811	2092.38	1.50%	86.72%
31.0	645.810	38.696	2131.075	1.36%	88.33%
32.0	558.297	34.496	2165.572	1.21%	89.76%
33.0	467.309	30.215	2195.786	1.06%	91.01%
34.0	374.493	25.475	2221.262	0.89%	92.07%
35.0	301.844	21.005	2242.266	0.74%	92.94%
36.0	251.318	17.613	2259.879	0.62%	93.67%
37.0	196.782	14.614	2274.494	0.51%	94.27%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	122.905	10.671	2285.164	0.37%	94.72%
39.0	84.082	7.065	2292.229	0.25%	95.01%
40.0	68.808	5.332	2297.562	0.19%	95.23%
41.0	61.141	4.627	2302.189	0.16%	95.42%
42.0	56.394	4.270	2306.459	0.15%	95.60%
43.0	52.275	4.025	2310.485	0.14%	95.76%
44.0	49.137	3.828	2314.312	0.13%	95.92%
45.0	46.204	3.664	2317.976	0.13%	96.08%
46.0	43.526	3.509	2321.485	0.12%	96.22%
47.0	41.046	3.364	2324.849	0.12%	96.36%
48.0	38.917	3.233	2328.082	0.11%	96.49%
49.0	37.133	3.123	2331.205	0.11%	96.62%
50.0	35.457	3.027	2334.231	0.11%	96.75%
51.0	34.148	2.945	2337.176	0.10%	96.87%
52.0	33.146	2.888	2340.064	0.10%	96.99%
53.0	32.348	2.849	2342.913	0.10%	97.11%
54.0	31.741	2.825	2345.738	0.10%	97.23%
55.0	31.310	2.814	2348.552	0.10%	97.34%
56.0	30.929	2.812	2351.364	0.10%	97.46%
57.0	30.615	2.814	2354.178	0.10%	97.58%
58.0	30.249	2.815	2356.993	0.10%	97.69%
59.0	29.773	2.806	2359.799	0.10%	97.81%
60.0	28.991	2.776	2362.575	0.10%	97.92%
61.0	27.966	2.718	2365.293	0.10%	98.04%
62.0	26.694	2.634	2367.927	0.09%	98.15%
63.0	25.121	2.520	2370.447	0.09%	98.25%
64.0	23.438	2.383	2372.83	0.08%	98.35%
65.0	21.683	2.233	2375.063	0.08%	98.44%
66.0	19.993	2.079	2377.142	0.07%	98.53%
67.0	18.574	1.939	2379.081	0.07%	98.61%
68.0	17.791	1.842	2380.924	0.06%	98.68%
69.0	17.132	1.782	2382.705	0.06%	98.76%
70.0	16.759	1.741	2384.446	0.06%	98.83%
71.0	16.416	1.715	2386.16	0.06%	98.90%
72.0	16.057	1.688	2387.849	0.06%	98.97%
73.0	15.691	1.660	2389.509	0.06%	99.04%
74.0	15.516	1.641	2391.15	0.06%	99.11%
75.0	15.289	1.628	2392.777	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.989	1.607	2394.385	0.06%	99.24%
77.0	14.565	1.576	2395.96	0.06%	99.31%
78.0	14.104	1.535	2397.495	0.05%	99.37%
79.0	13.606	1.489	2398.984	0.05%	99.43%
80.0	13.029	1.436	2400.42	0.05%	99.49%
81.0	12.509	1.381	2401.801	0.05%	99.55%
82.0	12.063	1.333	2403.133	0.05%	99.61%
83.0	11.697	1.292	2404.425	0.05%	99.66%
84.0	11.405	1.259	2405.684	0.04%	99.71%
85.0	11.097	1.228	2406.912	0.04%	99.76%
86.0	10.754	1.194	2408.106	0.04%	99.81%
87.0	10.541	1.165	2409.271	0.04%	99.86%
88.0	10.358	1.145	2410.416	0.04%	99.91%
89.0	10.219	1.128	2411.544	0.04%	99.95%
90.0	10.176	1.118	2412.662	0.04%	100.00%

Zonal flux distribution table

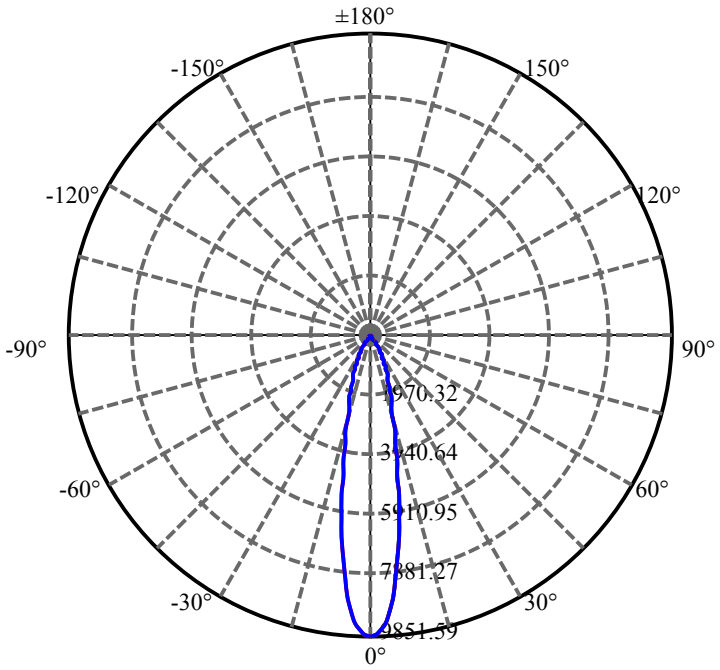
ZONAL LUMEN SUMMARY

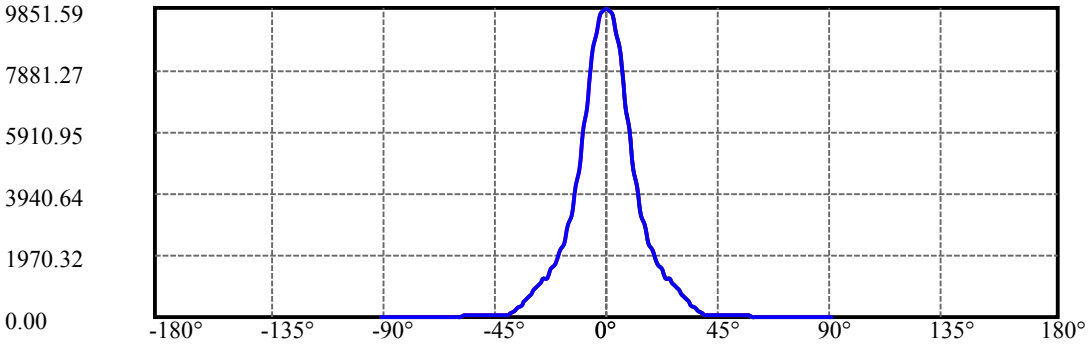
Zone	Lumens	%Lamp	%Fixt
0-30	2092.38	73.42%	86.72%
0-40	2297.56	80.62%	95.23%
0-60	2362.58	82.90%	97.92%
0-90	2411.54	84.62%	99.95%
0-120	2411.54	84.62%	99.95%
0-180	2412.66	84.65%	100.00%
60-90	48.97	1.72%	2.03%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.57	1930.13	67.72%	80.00%

ZONAL LUMEN SUMMARY

0-10	709.41
10-20	833.73
20-30	549.24
30-40	205.18
40-50	36.67
50-60	28.34
60-70	21.87
70-80	15.97
80-90	11.12
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):

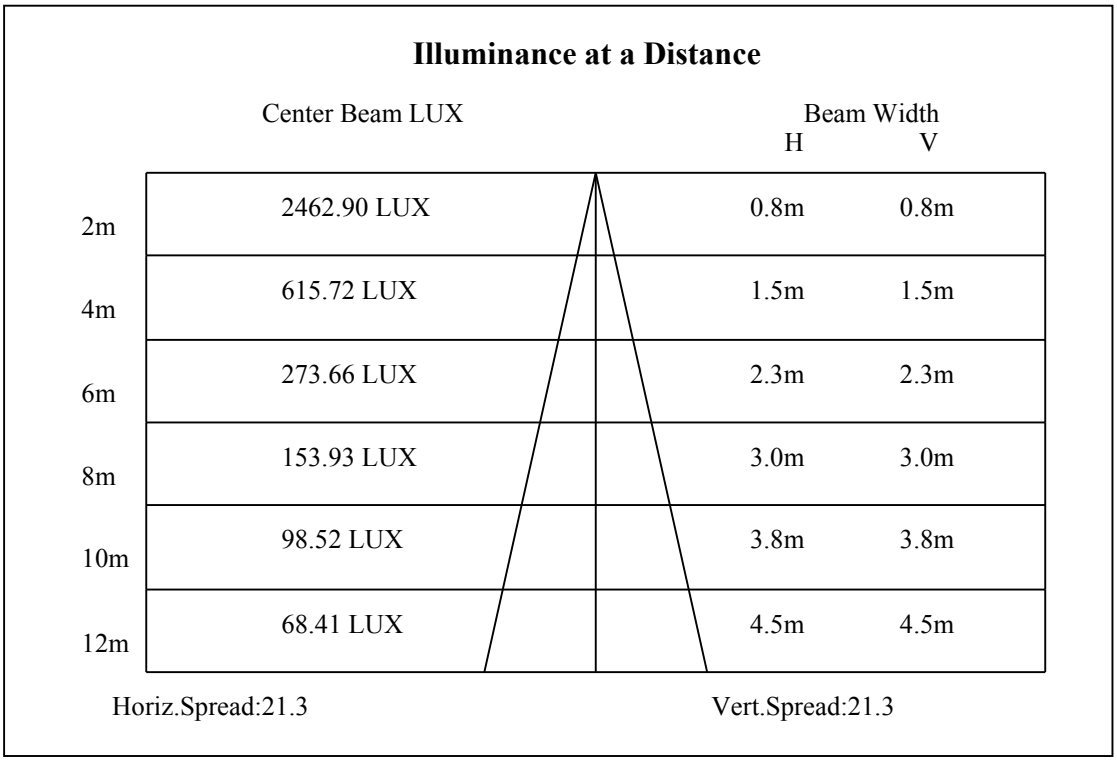
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:27.5 Right:27.5
:C90/270Left:27.5 Right:27.5

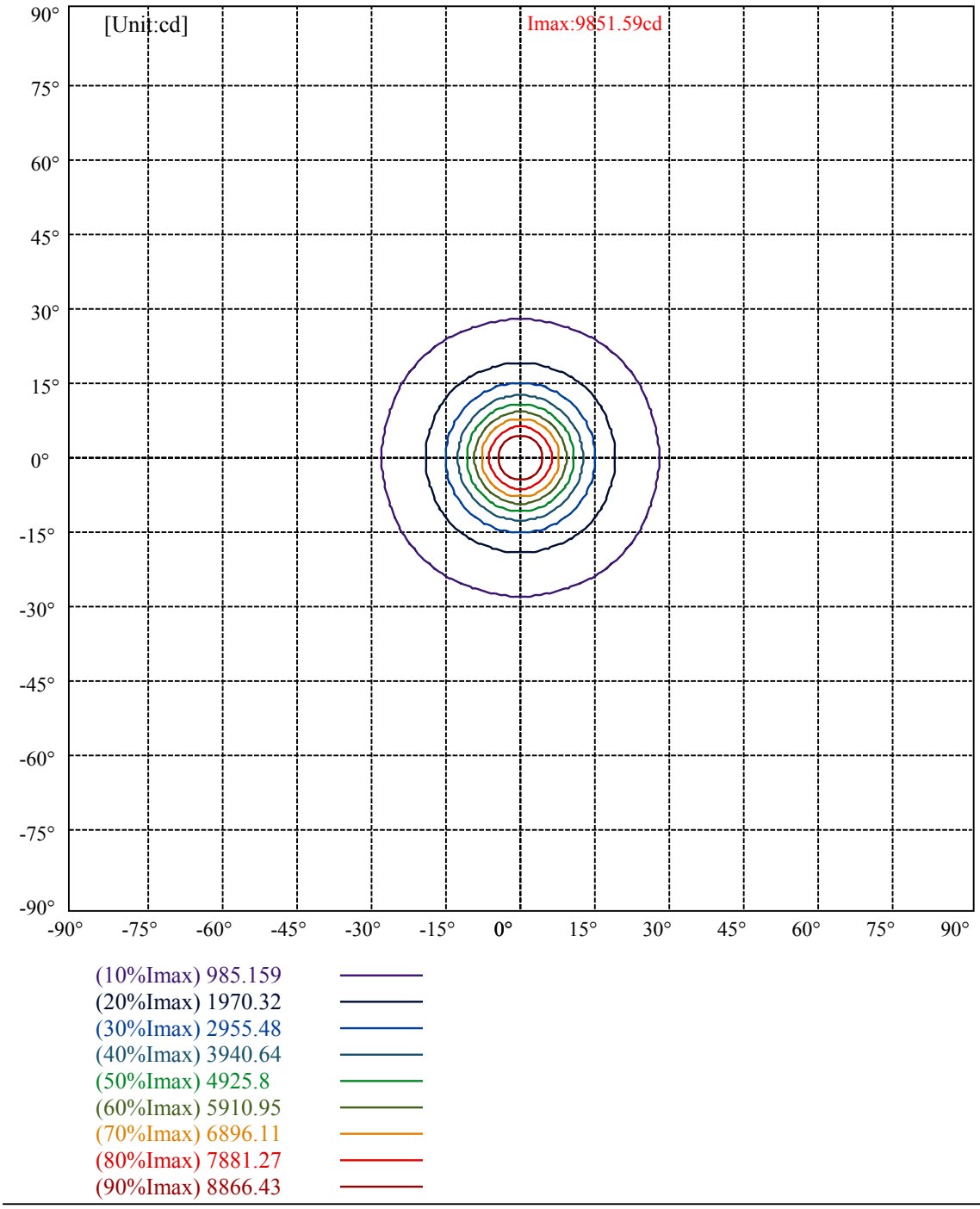
Beam Angle(50%Imax):C0/180Left:10.6 Right:10.6
:C90/270Left:10.6 Right:10.6

Lux distance Curve



Equipment: GMS1980 Date: 2024/3/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)



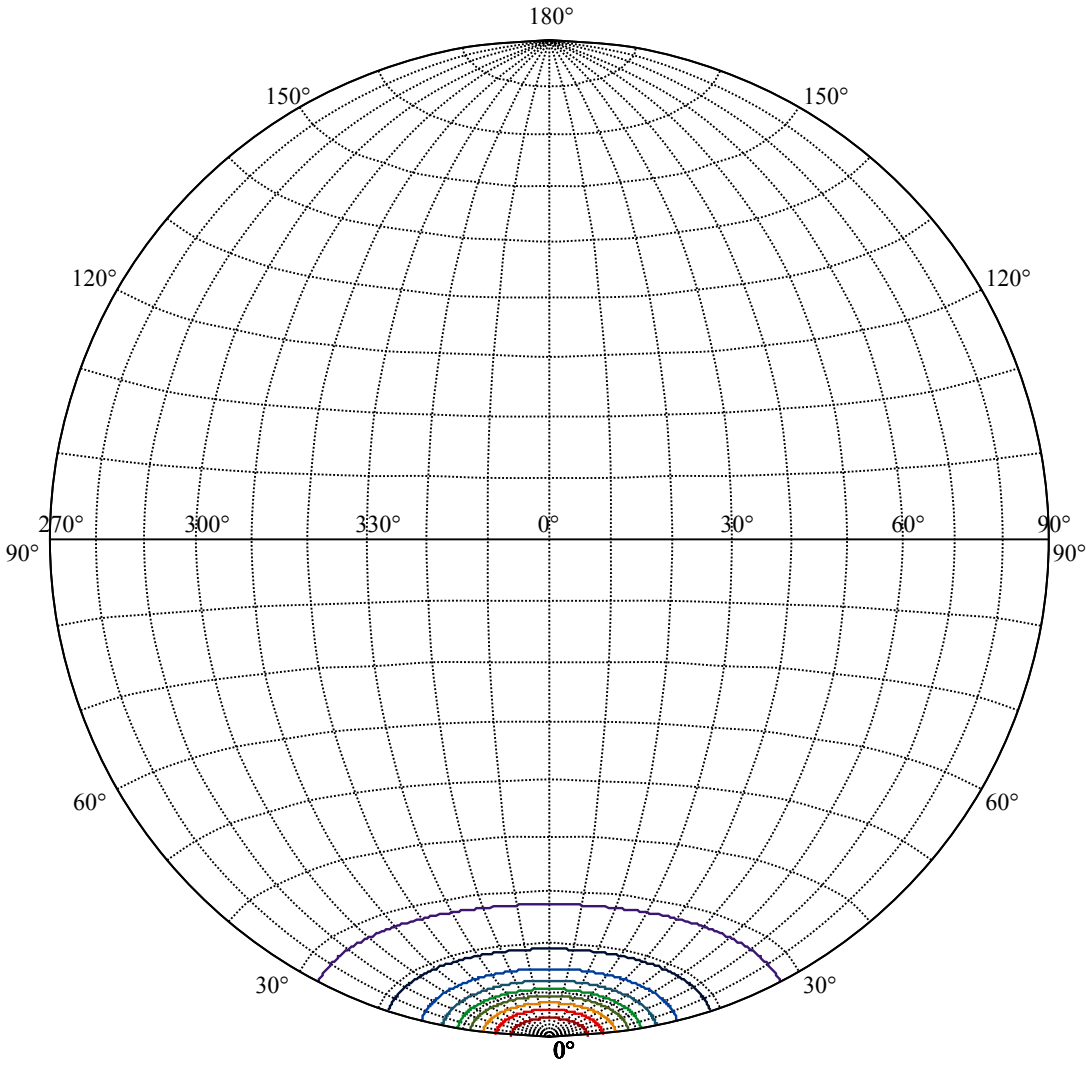
(10%Imax) 985.159
(20%Imax) 1970.32
(30%Imax) 2955.48
(40%Imax) 3940.64
(50%Imax) 4925.8
(60%Imax) 5910.95
(70%Imax) 6896.11
(80%Imax) 7881.27
(90%Imax) 8866.43

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/30
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



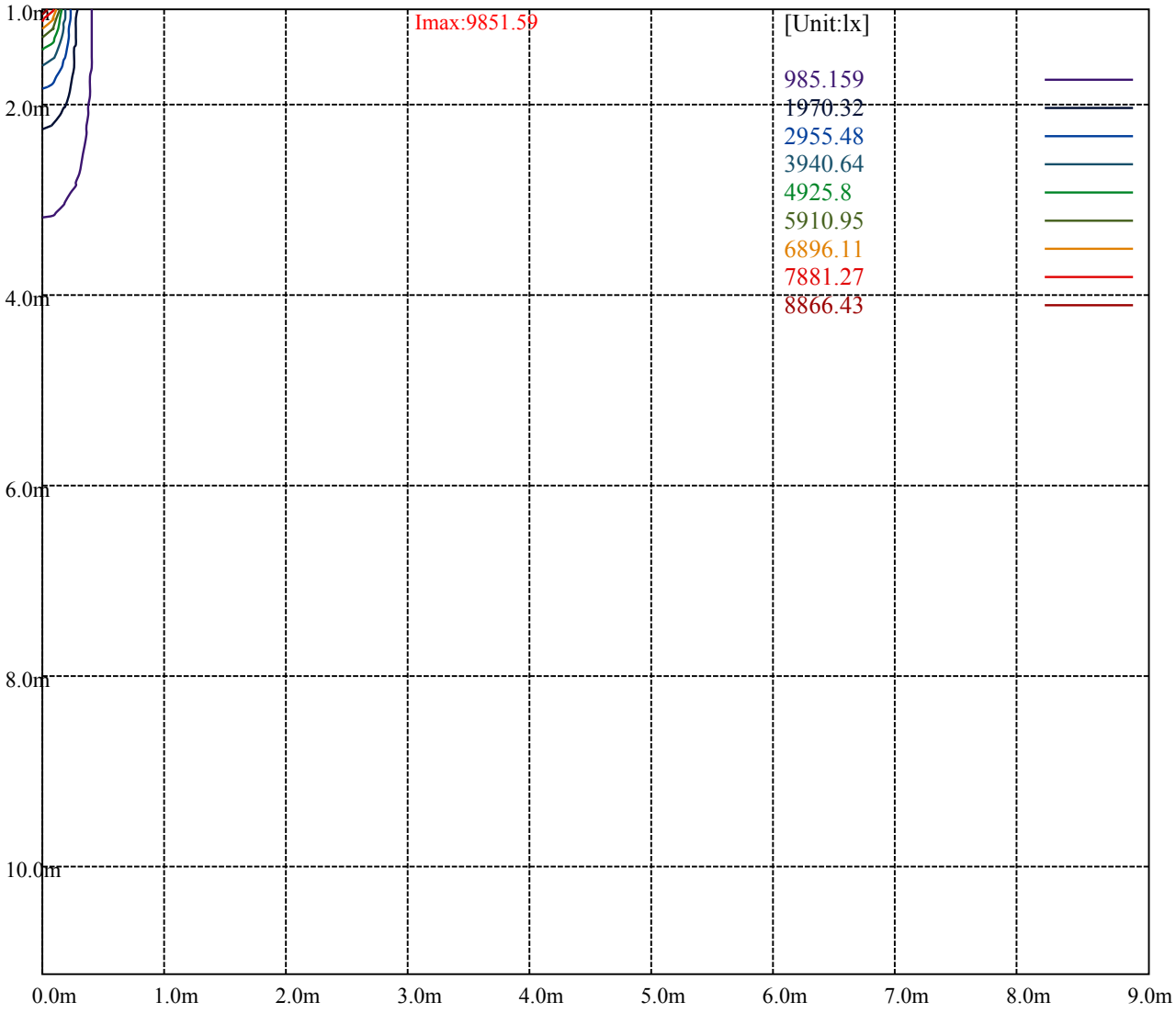
House [Unit:cd] Road

Imax:9851.59

(10%Imax) 985.159
(20%Imax) 1970.32
(30%Imax) 2955.48
(40%Imax) 3940.64
(50%Imax) 4925.8
(60%Imax) 5910.95
(70%Imax) 6896.11
(80%Imax) 7881.27
(90%Imax) 8866.43

Equipment: GMS1980 Date: 2024/3/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/30
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2678-L

Luminance Limitting Curve(no luminous side)

Luminance Table

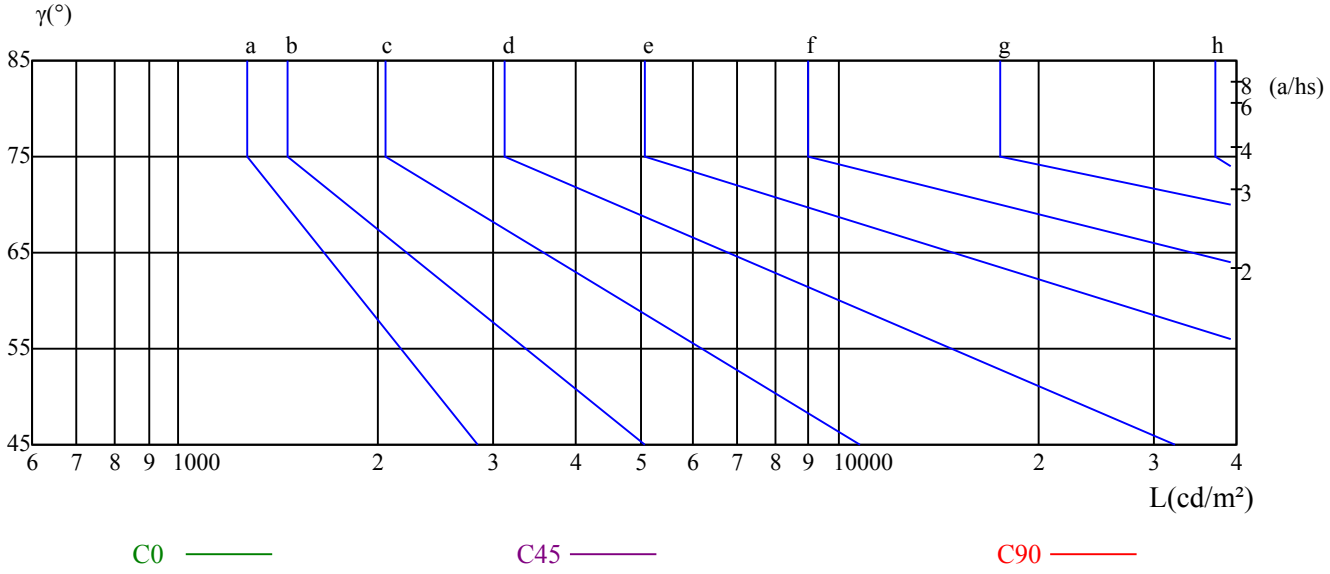
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

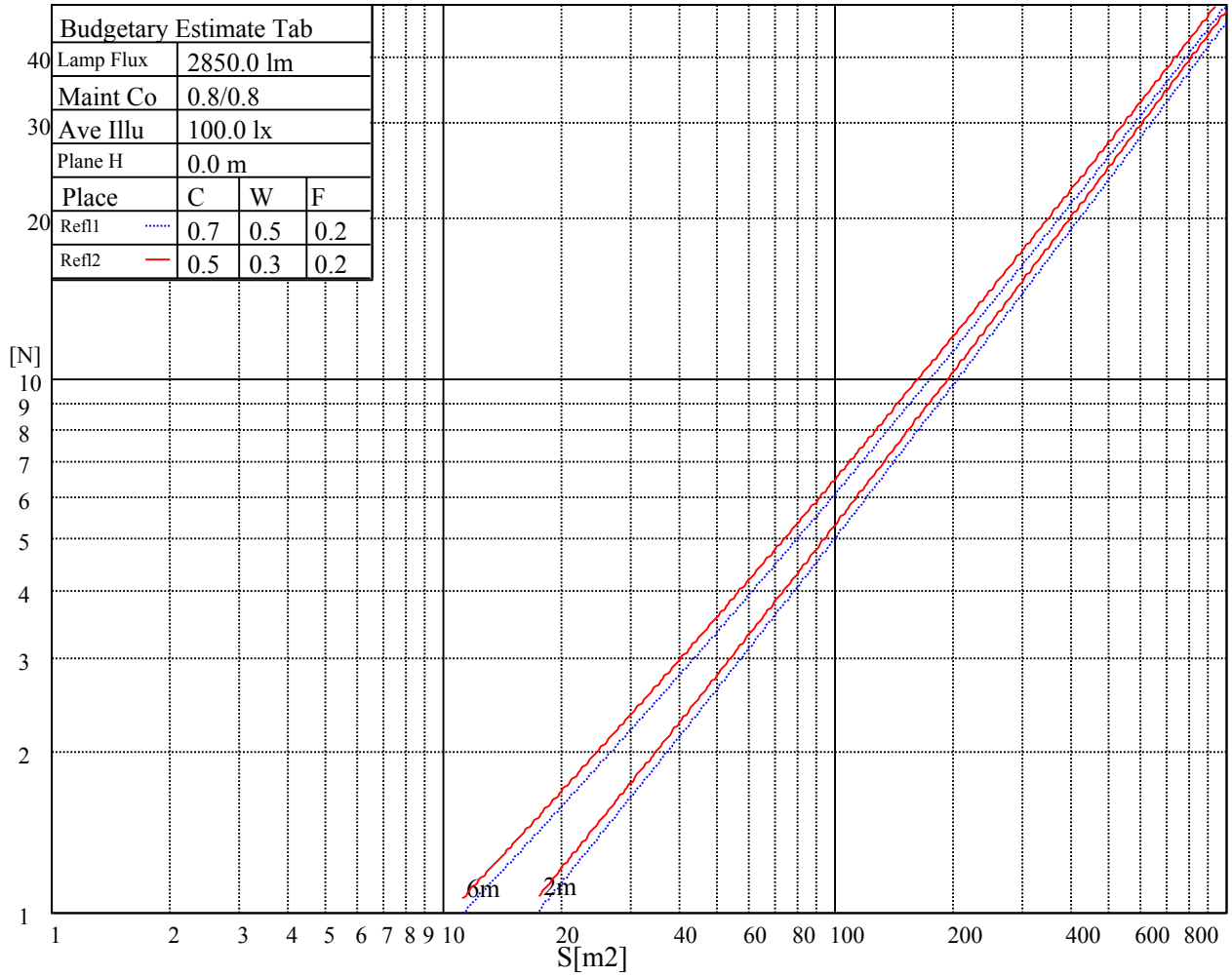
Date: 2024/3/30
Humidity(%): 60.0%

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

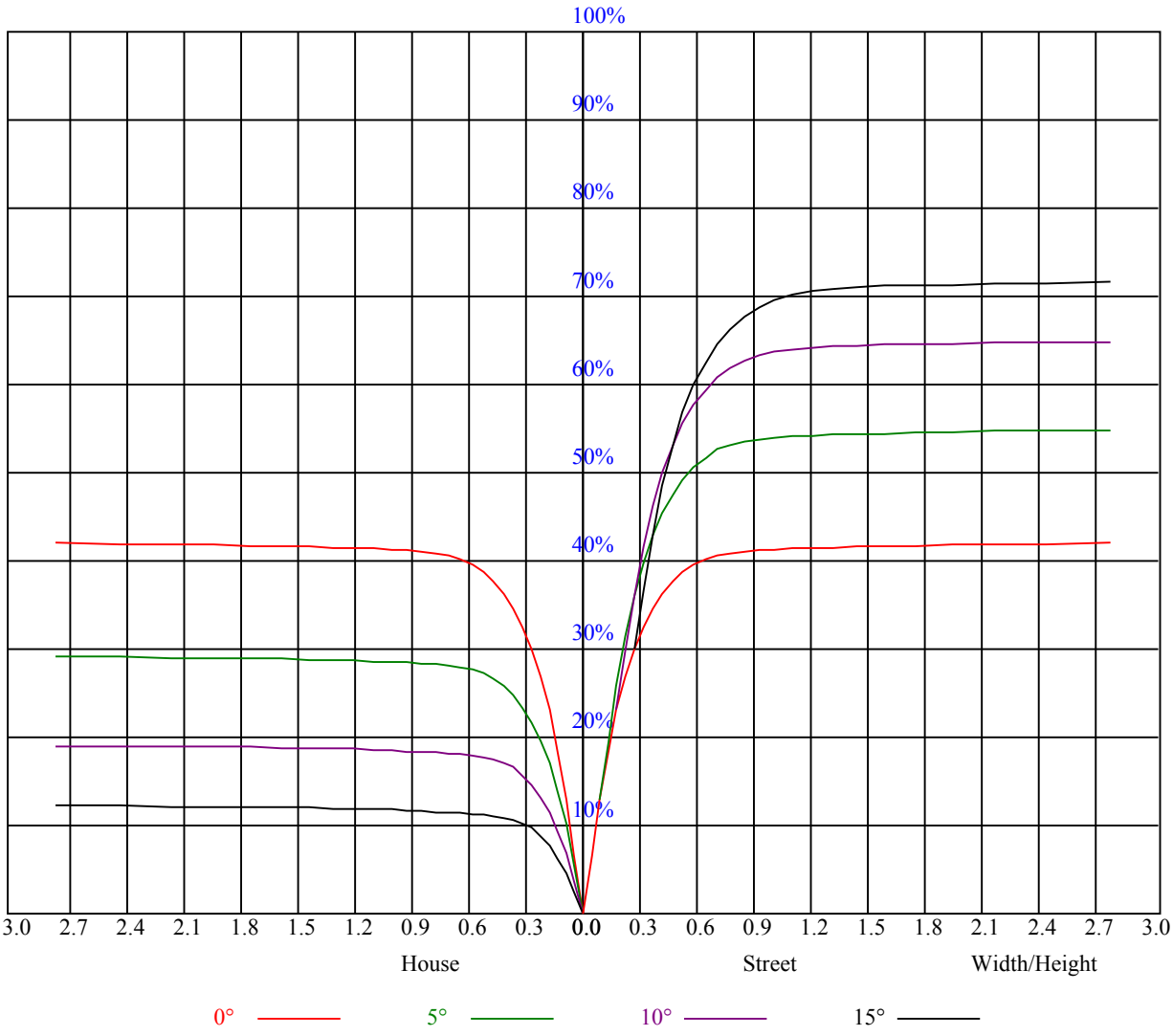


Equipment: GMS1980 Date: 2024/3/30 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

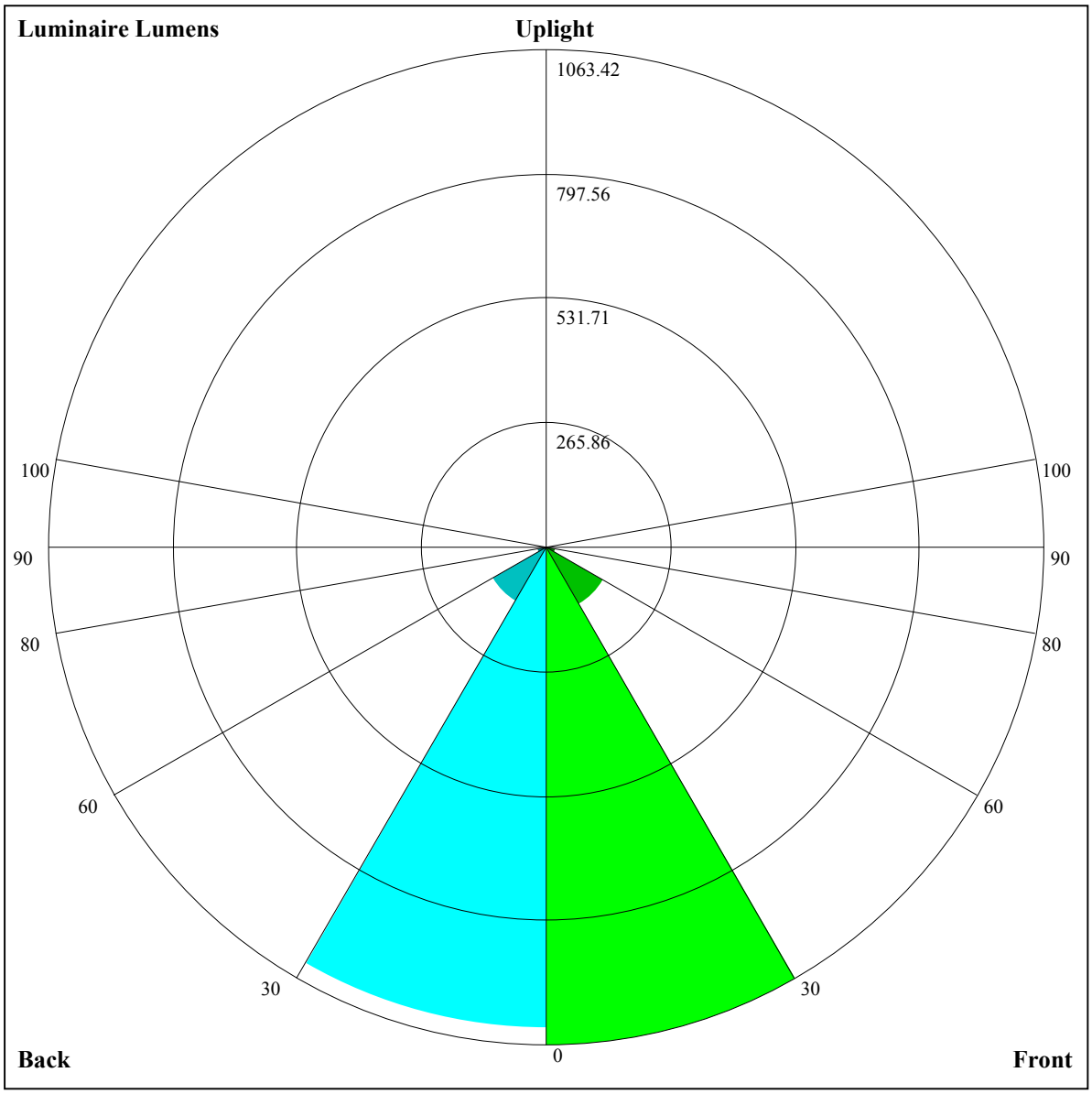
Utilization factor table for indoor luminaire

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	0.85
1	0.95	0.93	0.91	0.93	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.80
2	0.89	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.79	0.80	0.79	0.78	0.76
3	0.85	0.81	0.78	0.83	0.80	0.78	0.81	0.79	0.76	0.79	0.77	0.75	0.78	0.76	0.74	0.73
4	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.72	0.76	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.73	0.71	0.68	0.72	0.70	0.68	0.67
6	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
7	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.68	0.65	0.63	0.62
8	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.65	0.63	0.60	0.60
9	0.66	0.62	0.59	0.65	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.63	0.60	0.58	0.57
10	0.63	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.61	0.59	0.56	0.56

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/30	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1063.42,FM=141.65,FH=19.26,FVH=6.18
BL=1028.85,BM=131.78,BH=18.84,BVH=6.11
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	9871.63	9821.89	9675.58	9454.95	9145.95	8621.59	8125.91	7397.30	6772.87
45.0	9824.82	9859.34	9814.87	9637.54	9388.82	8956.34	8502.79	7977.26	7241.63
90.0	9848.22	9734.69	9544.49	9160.00	8743.91	8245.88	7527.81	6912.74	6283.03
135.0	9868.71	9835.35	9726.50	9526.35	9122.55	8689.48	8164.53	7576.97	6792.77
180.0	9871.63	9820.13	9684.36	9459.05	9129.57	8571.26	8029.35	7249.83	6602.57
225.0	9824.82	9712.45	9432.72	9105.57	8676.02	8147.56	7390.87	6734.83	6081.72
270.0	9834.18	9855.25	9783.26	9612.96	9272.95	8893.14	8424.96	7853.78	7101.18
315.0	9868.71	9783.26	9622.91	9381.80	9045.88	8489.92	7937.47	7328.83	6537.02
360.0	9871.63	9821.89	9675.58	9454.95	9145.95	8621.59	8125.91	7397.30	6772.87

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6140.82	5353.11	4748.57	4206.66	3636.65	3255.67	2932.04	2589.09	2358.52
45.0	6618.37	6000.96	5373.01	4634.46	4116.53	3673.52	3285.51	2877.02	2602.55
90.0	5652.16	4887.86	4341.84	3864.30	3455.23	3028.60	2743.59	2493.12	2222.16
135.0	6166.57	5384.71	4787.20	4256.99	3695.75	3313.02	2982.37	2696.19	2393.63
180.0	5962.92	5169.35	4582.37	4069.13	3531.31	3167.30	2860.05	2587.92	2318.13
225.0	5276.45	4683.03	4156.91	3610.31	3239.28	2920.33	2583.83	2350.32	2142.57
270.0	6456.85	5804.91	5165.25	4444.84	3944.48	3518.43	3065.47	2759.39	2460.34
315.0	5897.37	5112.00	4534.97	4029.33	3591.00	3126.33	2817.92	2552.81	2321.65
360.0	6140.82	5353.11	4748.57	4206.66	3636.65	3255.67	2932.04	2589.09	2358.52

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2156.61	1976.95	1817.77	1642.20	1519.89	1413.96	1250.68	1154.47	1154.47
45.0	2369.05	2122.67	1950.61	1796.11	1624.06	1505.84	1378.26	1291.06	1213.82
90.0	2033.13	1824.79	1680.82	1554.42	1440.88	1271.17	1165.53	1165.53	1084.36
135.0	2187.04	2003.87	1841.18	1659.17	1531.59	1419.81	1307.45	1231.37	1158.80
180.0	2112.14	1924.86	1773.29	1606.50	1476.00	1377.09	1272.92	1198.01	1097.94
225.0	1960.56	1764.51	1625.81	1500.58	1394.65	1152.07	1152.07	1133.52	1028.47
270.0	2236.20	2034.89	1832.40	1694.28	1556.17	1438.54	1330.27	1244.83	1176.95
315.0	2069.41	1897.94	1744.61	1608.84	1459.02	1361.29	1166.18	1166.18	1114.91
360.0	2156.61	1976.95	1817.77	1642.20	1519.89	1413.96	1250.68	1154.47	1154.47

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1053.29	963.10	849.10	759.91	669.97	582.18	490.54	387.54	313.45
45.0	1138.32	1052.88	937.00	845.71	753.24	664.29	554.27	468.24	387.48
90.0	976.04	882.58	791.22	702.33	592.36	506.40	421.89	324.39	254.81
135.0	1049.37	958.07	845.12	756.17	668.97	581.19	474.68	393.91	319.59
180.0	1011.91	919.45	827.57	714.03	621.57	534.37	449.51	350.61	297.35
225.0	940.22	849.69	734.93	645.68	534.95	450.27	373.08	300.63	219.11
270.0	1103.79	998.45	909.50	816.45	698.23	609.28	521.49	416.74	338.32
315.0	1013.32	923.72	832.78	717.31	627.19	538.41	453.02	353.89	284.65
360.0	1053.29	963.10	849.10	759.91	669.97	582.18	490.54	387.54	313.45

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	248.14	186.98	123.07	87.08	69.58	61.74	56.77	52.03	49.04
45.0	296.77	296.77	216.47	109.55	79.65	66.60	59.75	55.25	51.85
90.0	178.08	130.21	93.64	71.22	65.08	59.81	55.77	51.85	48.87
135.0	301.45	218.64	120.15	86.55	70.93	63.44	58.41	53.55	50.10
180.0	297.35	156.26	102.41	77.83	66.66	60.04	55.65	52.26	48.34
225.0	163.69	117.10	84.97	66.54	60.98	56.53	53.08	49.45	46.76
270.0	303.21	303.21	135.30	96.74	73.91	63.32	58.46	54.43	51.38
315.0	221.86	165.09	107.21	77.13	63.67	57.64	53.26	49.39	46.76
360.0	248.14	186.98	123.07	87.08	69.58	61.74	56.77	52.03	49.04

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	46.23	43.60	40.67	38.62	36.93	35.00	33.77	32.89	32.07
45.0	48.40	45.82	43.37	41.20	38.74	37.04	35.58	34.35	33.24
90.0	46.12	43.60	40.85	38.92	37.22	35.52	34.53	33.42	32.71
135.0	47.17	43.83	41.32	39.15	37.34	35.41	34.00	33.07	32.30
180.0	45.65	42.43	40.26	38.22	36.46	34.65	33.42	32.48	31.78
225.0	43.77	41.49	39.50	37.34	35.87	34.59	33.71	32.71	32.07
270.0	47.93	45.30	42.90	40.32	38.45	36.69	34.94	33.88	32.77
315.0	44.36	42.14	39.50	37.57	36.05	34.76	33.24	32.36	31.84
360.0	46.23	43.60	40.67	38.62	36.93	35.00	33.77	32.89	32.07

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	31.37	31.08	30.72	30.37	30.02	29.67	28.91	27.97	26.86
45.0	32.48	31.84	31.49	31.13	30.78	30.49	29.96	29.26	28.03
90.0	32.30	31.84	31.37	30.90	30.49	29.79	28.85	27.62	26.45
135.0	31.54	31.19	30.78	30.55	30.20	29.85	29.09	28.09	26.80
180.0	31.19	30.67	30.37	30.08	29.85	29.32	28.50	27.39	26.28
225.0	31.78	31.31	30.96	30.61	30.20	29.50	28.56	27.39	25.52
270.0	32.07	31.66	31.19	30.90	30.31	29.96	29.26	28.38	27.10
315.0	31.19	30.90	30.55	30.37	30.14	29.61	28.79	27.62	26.51
360.0	31.37	31.08	30.72	30.37	30.02	29.67	28.91	27.97	26.86

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.11	23.64	21.95	20.19	18.43	17.56	16.80	16.27	15.74
45.0	26.86	25.34	23.88	21.71	20.19	18.96	17.85	17.21	16.68
90.0	24.76	22.94	21.13	19.49	18.90	19.02	19.08	19.78	20.42
135.0	25.16	23.70	22.00	20.25	18.38	17.56	16.80	16.15	15.74
180.0	24.29	22.82	20.83	19.37	17.73	17.03	16.33	15.92	15.39
225.0	24.05	22.24	20.37	18.84	18.02	17.26	16.62	16.21	15.86
270.0	25.87	23.88	22.30	20.54	18.84	17.85	17.15	16.56	16.04
315.0	24.87	22.94	21.01	19.55	18.08	17.09	16.44	15.98	15.45
360.0	25.11	23.64	21.95	20.19	18.43	17.56	16.80	16.27	15.74

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.39	15.27	15.33	15.27	15.04	14.69	14.28	13.75	12.99
45.0	16.27	16.15	16.56	16.80	16.80	16.50	15.92	15.22	14.51
90.0	20.13	18.96	18.49	17.50	16.74	15.74	15.27	14.51	13.46
135.0	15.33	14.92	14.51	14.22	13.87	13.58	13.28	12.93	12.70
180.0	15.04	14.75	14.69	14.57	14.34	14.05	13.52	12.99	12.52
225.0	15.63	15.57	15.51	15.51	15.33	14.81	14.05	13.46	12.70
270.0	15.63	15.27	14.75	14.46	14.16	13.81	13.46	13.17	12.93
315.0	15.04	14.63	14.28	13.99	13.64	13.34	13.05	12.82	12.41
360.0	15.39	15.27	15.33	15.27	15.04	14.69	14.28	13.75	12.99

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.47	12.00	11.65	11.41	11.18	10.89	10.65	10.42	10.30
45.0	13.58	12.76	12.17	11.76	11.35	11.06	10.77	10.48	10.30
90.0	12.64	12.00	11.65	11.24	11.00	10.65	10.48	10.30	10.18
135.0	12.35	12.00	11.70	11.47	11.18	10.71	10.48	10.36	10.18
180.0	12.17	11.76	11.53	11.29	10.94	10.65	10.48	10.30	10.18
225.0	12.17	11.88	11.59	11.24	10.83	10.59	10.48	10.30	10.24
270.0	12.52	12.29	11.76	11.53	11.24	10.83	10.59	10.42	10.24
315.0	12.17	11.82	11.53	11.29	11.06	10.65	10.42	10.30	10.12
360.0	12.47	12.00	11.65	11.41	11.18	10.89	10.65	10.42	10.30

Intensity data(cd)

C/γ(°)	90.0
0.0	10.24
45.0	10.18
90.0	10.18
135.0	10.12
180.0	10.12
225.0	10.24
270.0	10.18
315.0	10.12
360.0	10.24