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NT

Client:
LumCAT: 2-2681-L
Luminaire: 92.70.412.00
Report No: 2024308-B018
Ballast type: AC

Test No: 2024308-C018	Voltage(V): 34.610
LampCAT: BRIDGELUX V13B LES13	Current(A): 0.450
Lamp flux(lm): 2653.0	Power (W): 15.484
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2177.05, Efficiency(%): 82.06% , Luminous Efficacy(lm/W): 140.60
Central intensity(cd): 4000.511, Maximum intensity(cd): 4000.511
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=43.4
[C90/270]Total=43.4
Field angle(10%Imax): [C0/180]Total=67.8
[C90/270]Total=67.8
Maximum s/h(1/2): C0_180=0.70 C90_270=0.70
Maximum s/h(1/4): C0_180=0.68 C90_270=0.68
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 82.06%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.756%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4000.510	0.000	0	0.00%	0.00%
1.0	3995.536	3.826	3.826	0.14%	0.18%
2.0	3980.027	11.447	15.273	0.43%	0.70%
3.0	3952.302	18.972	34.245	0.72%	1.57%
4.0	3917.628	26.343	60.588	0.99%	2.78%
5.0	3872.639	33.513	94.101	1.26%	4.32%
6.0	3813.238	40.391	134.493	1.52%	6.18%
7.0	3748.425	46.935	181.428	1.77%	8.33%
8.0	3675.125	53.129	234.557	2.00%	10.77%
9.0	3593.852	58.911	293.468	2.22%	13.48%
10.0	3498.460	64.183	357.651	2.42%	16.43%
11.0	3401.752	68.947	426.598	2.60%	19.60%
12.0	3294.875	73.204	499.802	2.76%	22.96%
13.0	3189.169	76.949	576.751	2.90%	26.49%
14.0	3069.490	80.110	656.861	3.02%	30.17%
15.0	2944.472	82.562	739.424	3.11%	33.96%
16.0	2818.063	84.437	823.861	3.18%	37.84%
17.0	2686.680	85.724	909.584	3.23%	41.78%
18.0	2555.151	86.426	996.011	3.26%	45.75%
19.0	2405.114	86.298	1082.309	3.25%	49.71%
20.0	2256.906	85.328	1167.637	3.22%	53.63%
21.0	2108.258	83.820	1251.457	3.16%	57.48%
22.0	1959.831	81.750	1333.207	3.08%	61.24%
23.0	1796.334	78.814	1412.022	2.97%	64.86%
24.0	1645.441	75.250	1487.271	2.84%	68.32%
25.0	1497.444	71.462	1558.734	2.69%	71.60%
26.0	1347.817	67.163	1625.896	2.53%	74.68%
27.0	1205.110	62.458	1688.354	2.35%	77.55%
28.0	1074.217	57.708	1746.062	2.18%	80.20%
29.0	949.140	52.937	1798.999	2.00%	82.63%
30.0	823.843	47.870	1846.869	1.80%	84.83%
31.0	698.598	42.367	1889.236	1.60%	86.78%
32.0	582.511	36.702	1925.938	1.38%	88.47%
33.0	483.469	31.404	1957.343	1.18%	89.91%
34.0	392.664	26.514	1983.857	1.00%	91.13%
35.0	321.384	22.176	2006.033	0.84%	92.14%
36.0	249.320	18.171	2024.204	0.68%	92.98%
37.0	211.069	15.015	2039.219	0.57%	93.67%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	157.557	12.304	2051.524	0.46%	94.23%
39.0	125.816	9.672	2061.196	0.36%	94.68%
40.0	90.549	7.546	2068.742	0.28%	95.03%
41.0	71.624	5.775	2074.517	0.22%	95.29%
42.0	59.130	4.751	2079.267	0.18%	95.51%
43.0	50.915	4.076	2083.344	0.15%	95.70%
44.0	45.048	3.622	2086.966	0.14%	95.86%
45.0	40.644	3.293	2090.259	0.12%	96.01%
46.0	37.674	3.063	2093.322	0.12%	96.15%
47.0	35.552	2.912	2096.234	0.11%	96.29%
48.0	33.563	2.794	2099.028	0.11%	96.42%
49.0	32.107	2.697	2101.725	0.10%	96.54%
50.0	30.907	2.627	2104.352	0.10%	96.66%
51.0	29.839	2.570	2106.922	0.10%	96.78%
52.0	28.910	2.521	2109.443	0.10%	96.89%
53.0	28.032	2.477	2111.92	0.09%	97.01%
54.0	27.279	2.438	2114.358	0.09%	97.12%
55.0	26.503	2.401	2116.759	0.09%	97.23%
56.0	25.786	2.363	2119.122	0.09%	97.34%
57.0	25.070	2.325	2121.447	0.09%	97.45%
58.0	24.419	2.289	2123.735	0.09%	97.55%
59.0	23.760	2.252	2125.988	0.08%	97.65%
60.0	23.124	2.215	2128.203	0.08%	97.76%
61.0	22.495	2.177	2130.38	0.08%	97.86%
62.0	21.880	2.138	2132.518	0.08%	97.95%
63.0	21.310	2.101	2134.618	0.08%	98.05%
64.0	20.710	2.062	2136.68	0.08%	98.15%
65.0	20.176	2.023	2138.704	0.08%	98.24%
66.0	19.729	1.991	2140.695	0.08%	98.33%
67.0	19.247	1.960	2142.655	0.07%	98.42%
68.0	18.888	1.932	2144.586	0.07%	98.51%
69.0	18.544	1.910	2146.496	0.07%	98.60%
70.0	18.288	1.892	2148.388	0.07%	98.68%
71.0	18.025	1.877	2150.264	0.07%	98.77%
72.0	17.571	1.851	2152.115	0.07%	98.85%
73.0	17.052	1.811	2153.926	0.07%	98.94%
74.0	16.503	1.764	2155.69	0.07%	99.02%
75.0	15.933	1.714	2157.404	0.06%	99.10%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.443	1.666	2159.069	0.06%	99.17%
77.0	15.018	1.624	2160.693	0.06%	99.25%
78.0	14.389	1.574	2162.268	0.06%	99.32%
79.0	13.877	1.519	2163.786	0.06%	99.39%
80.0	13.460	1.474	2165.26	0.06%	99.46%
81.0	12.970	1.429	2166.689	0.05%	99.52%
82.0	12.465	1.379	2168.069	0.05%	99.59%
83.0	11.829	1.321	2169.389	0.05%	99.65%
84.0	11.163	1.253	2170.642	0.05%	99.71%
85.0	10.439	1.179	2171.821	0.04%	99.76%
86.0	9.890	1.111	2172.932	0.04%	99.81%
87.0	9.510	1.062	2173.994	0.04%	99.86%
88.0	9.320	1.031	2175.025	0.04%	99.91%
89.0	9.217	1.016	2176.041	0.04%	99.95%
90.0	9.173	1.008	2177.05	0.04%	100.00%

Zonal flux distribution table

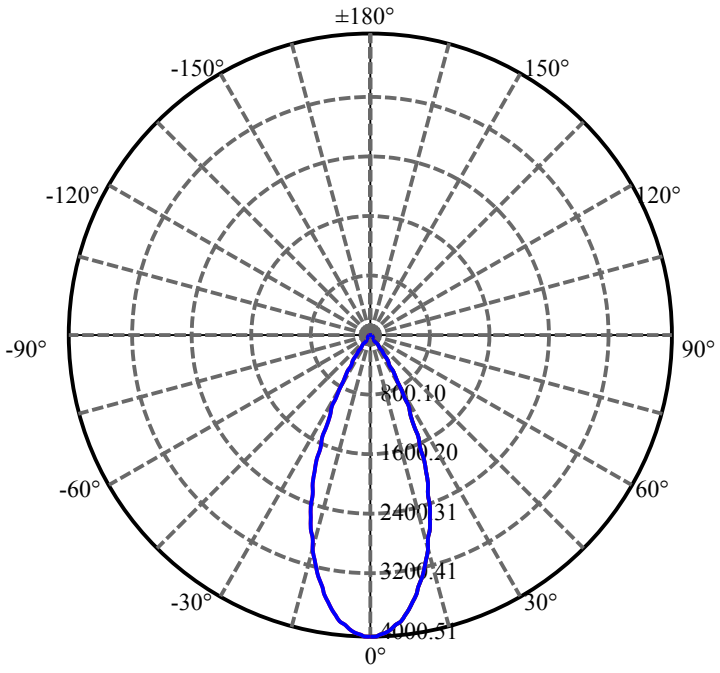
ZONAL LUMEN SUMMARY

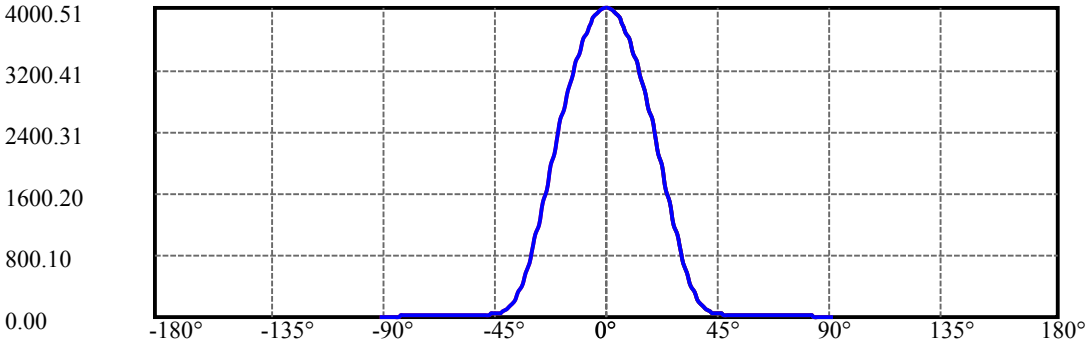
Zone	Lumens	%Lamp	%Fixt
0-30	1846.87	69.61%	84.83%
0-40	2068.74	77.98%	95.03%
0-60	2128.20	80.22%	97.76%
0-90	2176.04	82.02%	99.95%
0-120	2176.04	82.02%	99.95%
0-180	2177.05	82.06%	100.00%
60-90	47.84	1.80%	2.20%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.92	1741.64	65.65%	80.00%

ZONAL LUMEN SUMMARY

0-10	357.65
10-20	809.99
20-30	679.23
30-40	221.87
40-50	35.61
50-60	23.85
60-70	20.18
70-80	16.87
80-90	10.78
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:

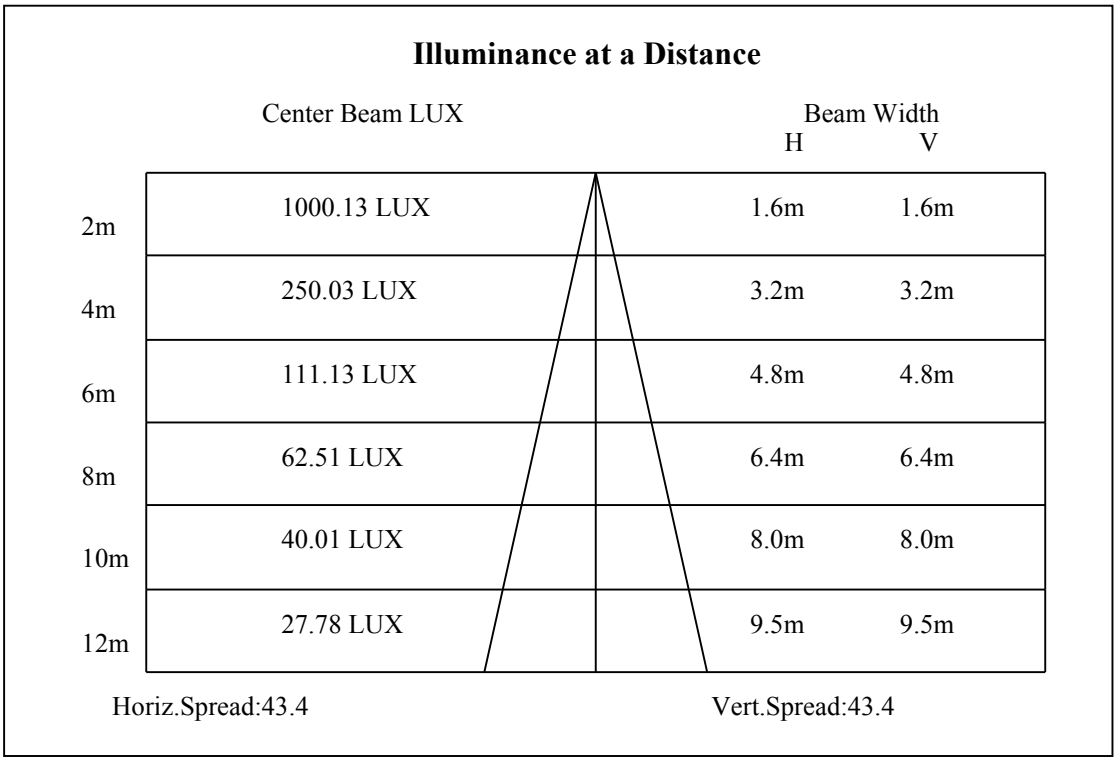
C90/C270:

Field angle(10%Imax):C0/180Left:33.9 Right:33.9
:C90/270Left:33.9 Right:33.9

Beam Angle(50%Imax):C0/180Left:21.7 Right:21.7
:C90/270Left:21.7 Right:21.7

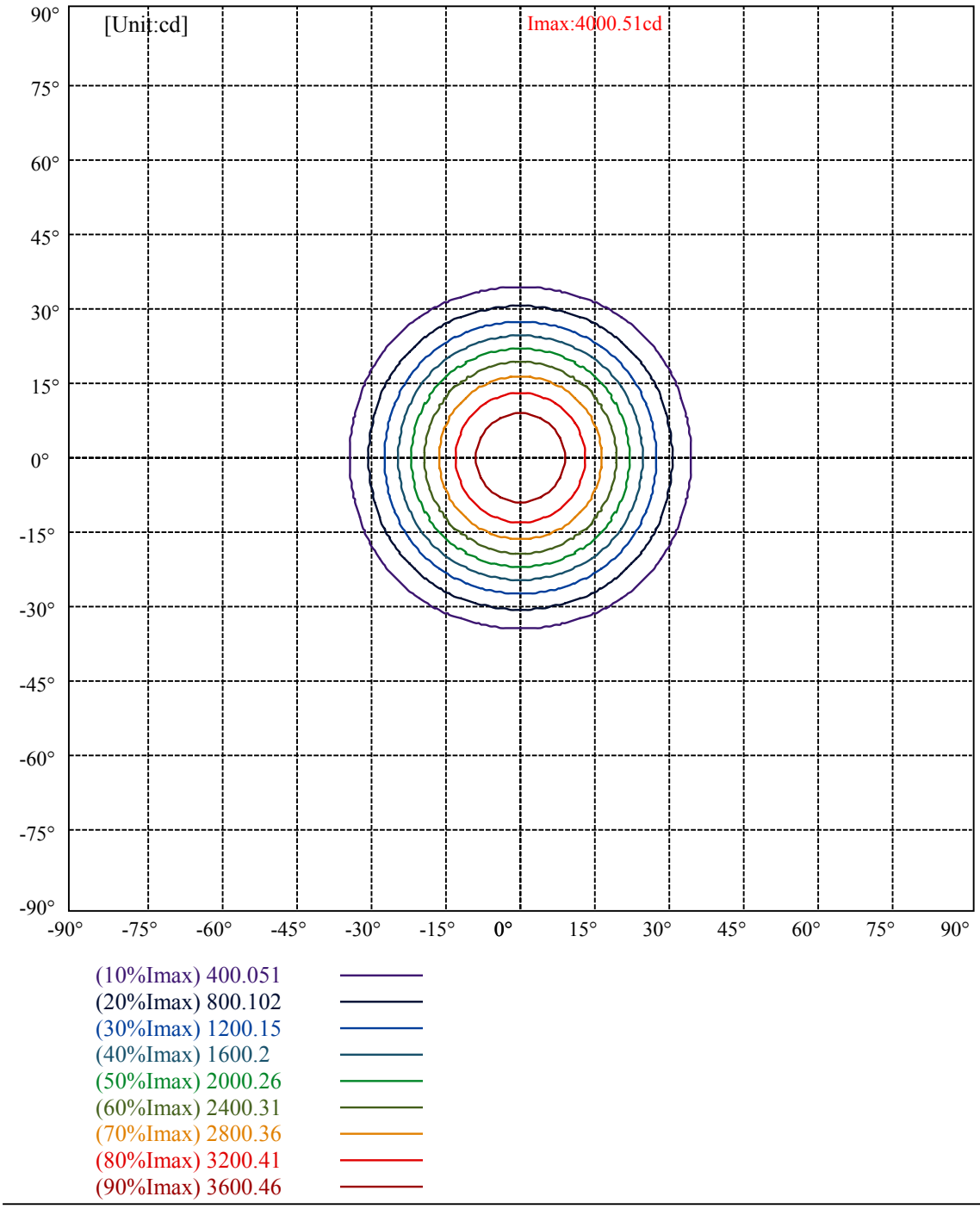
Equipment: GMS1980	Date: 2024/3/8	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Lux distance Curve



Equipment: GMS1980 Date: 2024/3/8 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

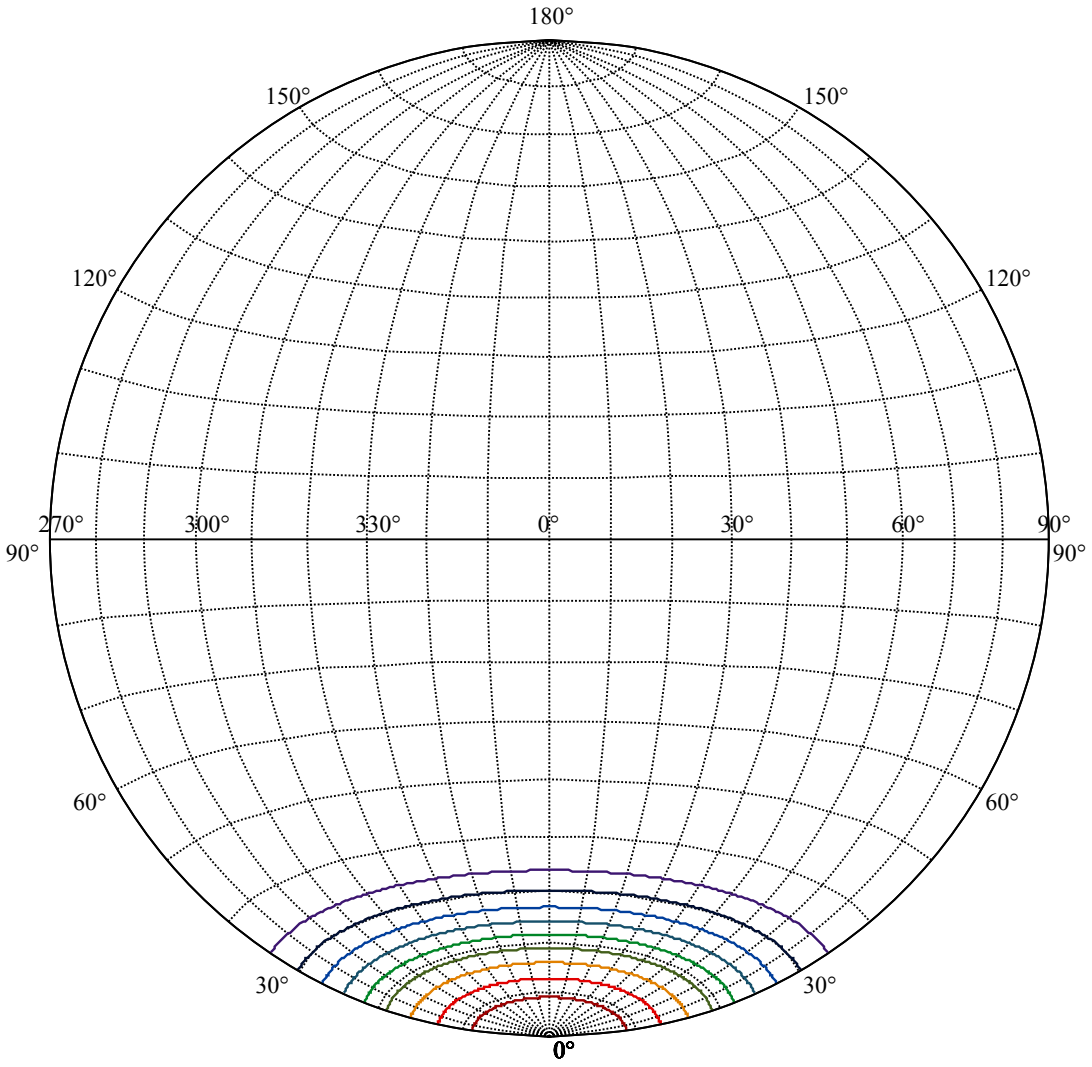


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/8
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



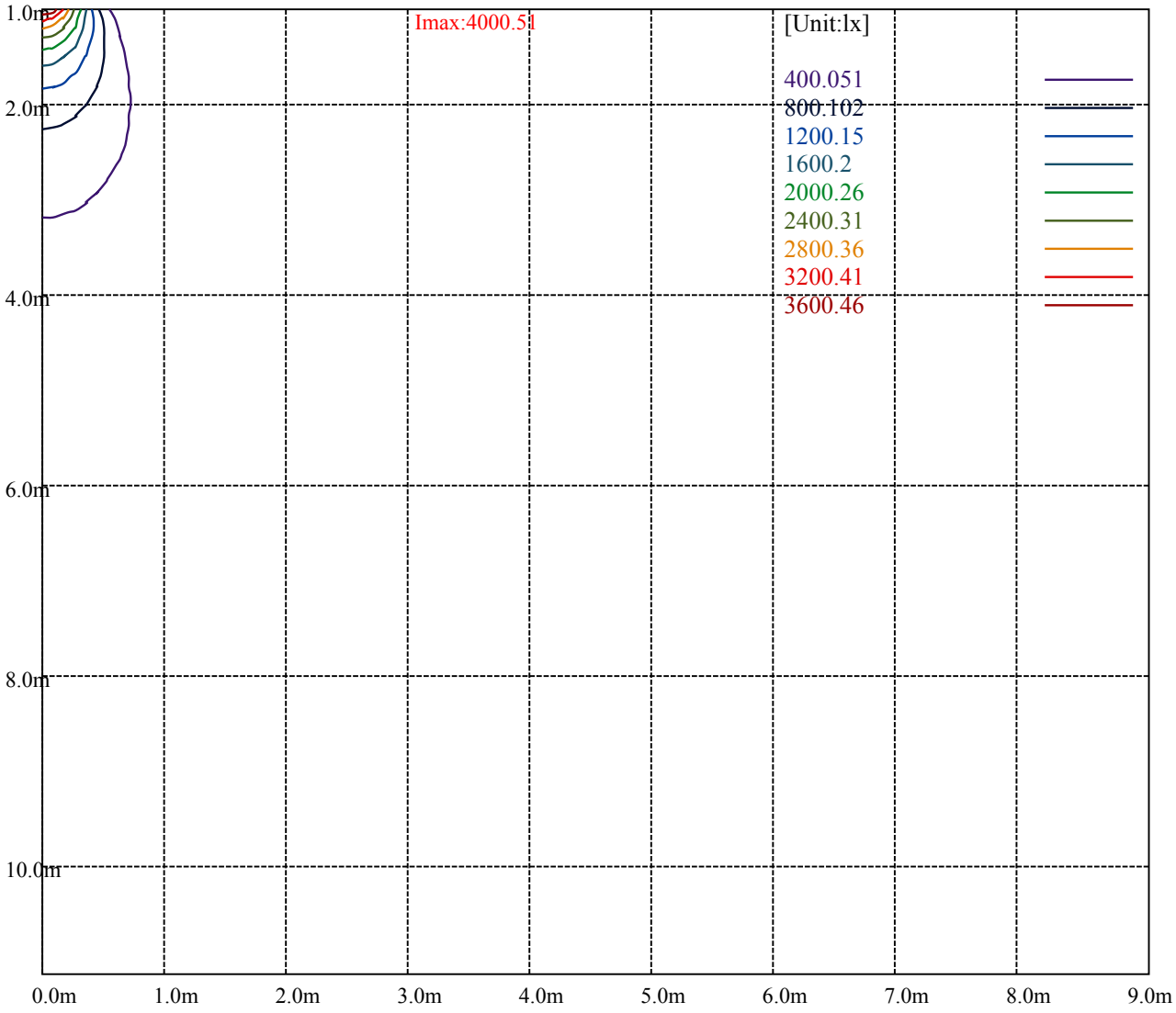
House [Unit:cd] Road

Imax:4000.51

(10%Imax) 400.051
(20%Imax) 800.102
(30%Imax) 1200.15
(40%Imax) 1600.2
(50%Imax) 2000.26
(60%Imax) 2400.31
(70%Imax) 2800.36
(80%Imax) 3200.41
(90%Imax) 3600.46

Equipment: GMS1980 Date: 2024/3/8 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/8
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

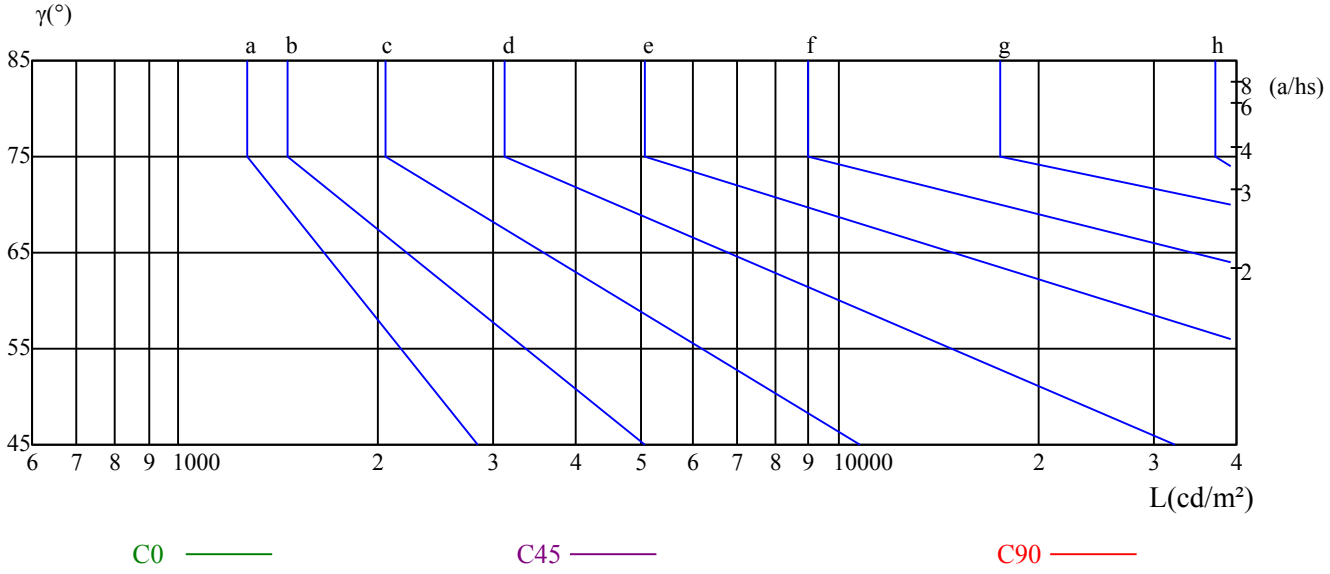
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

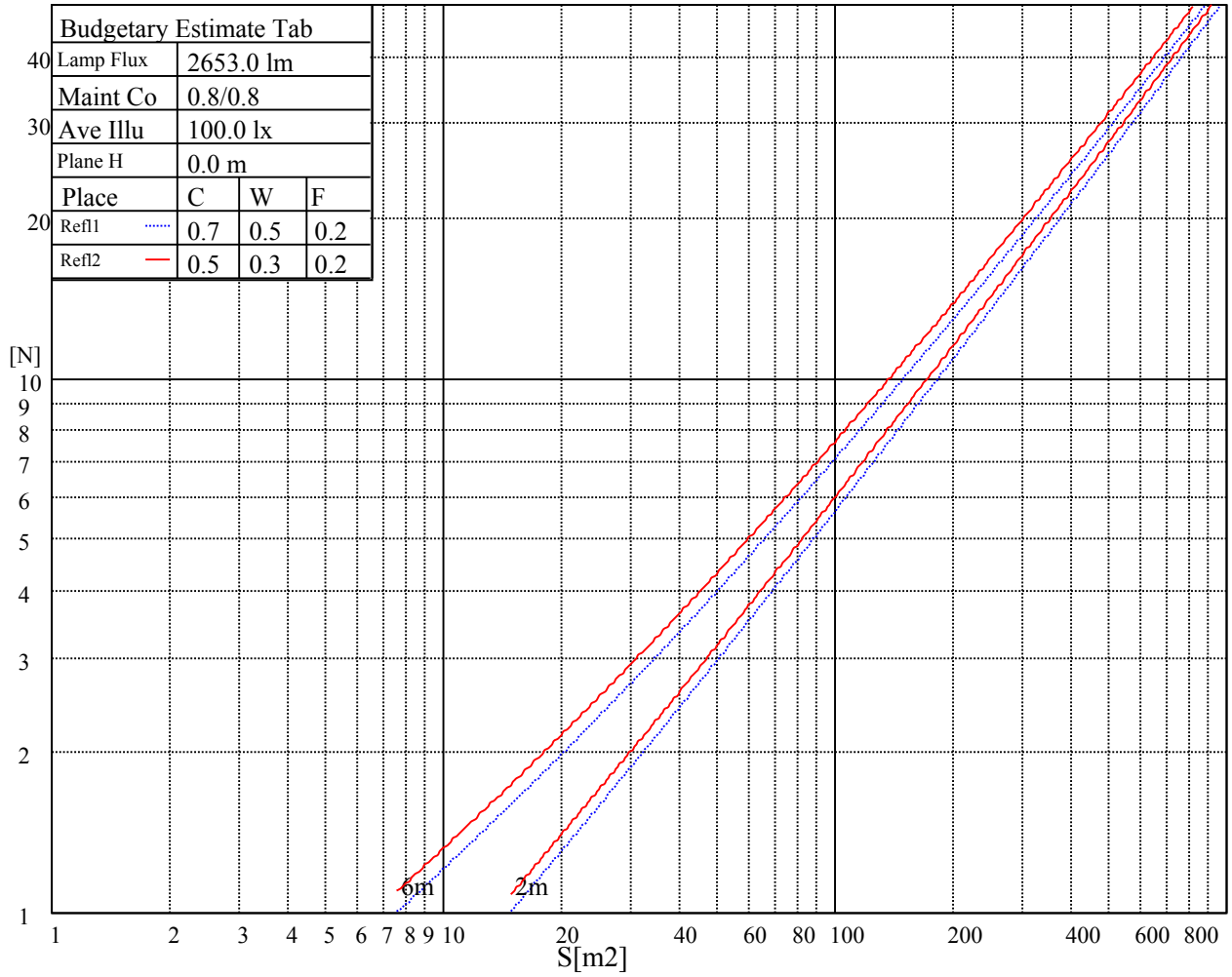
Luminance Limitting Curve



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

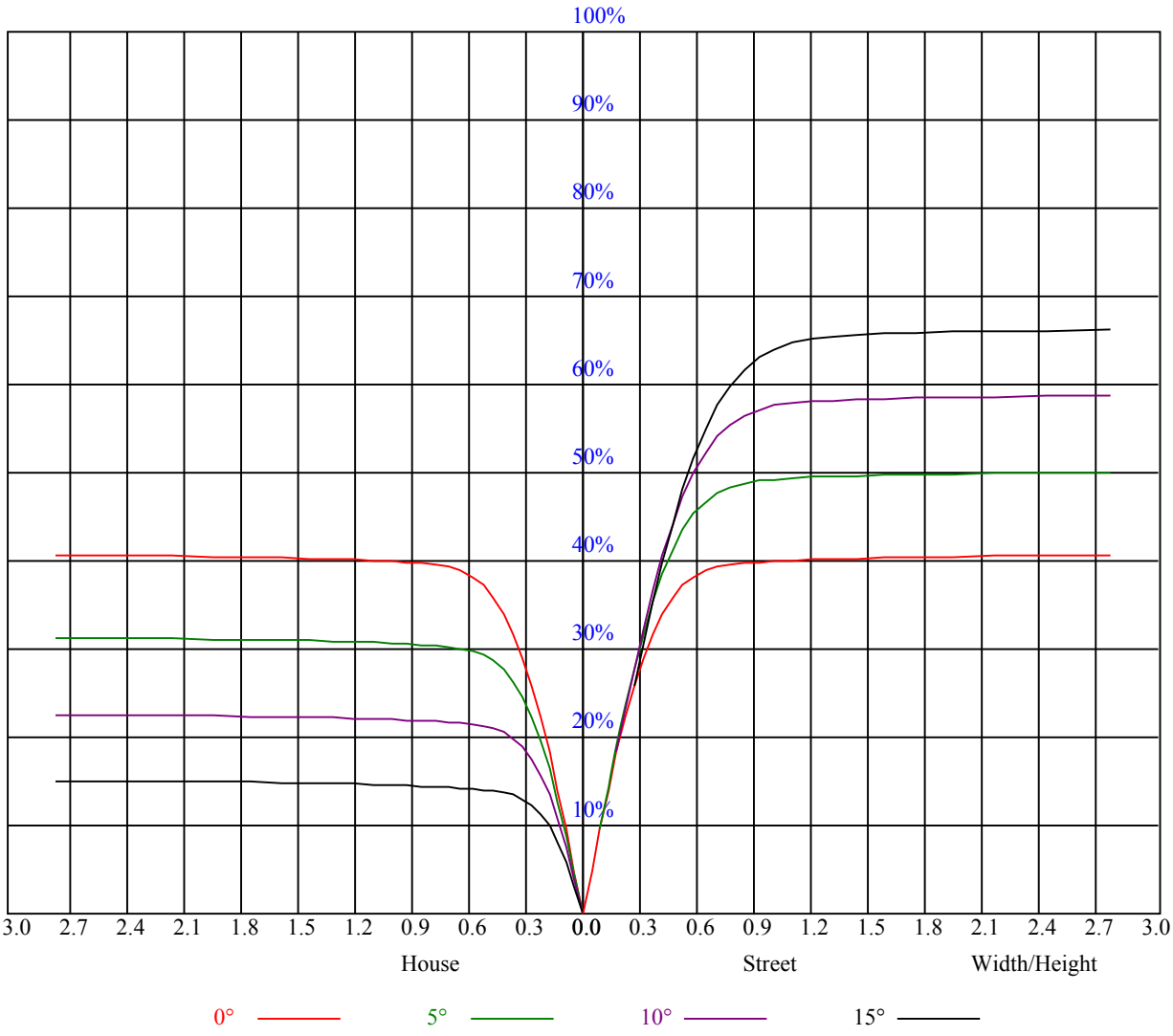


Equipment: GMS1980 Date: 2024/3/8 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

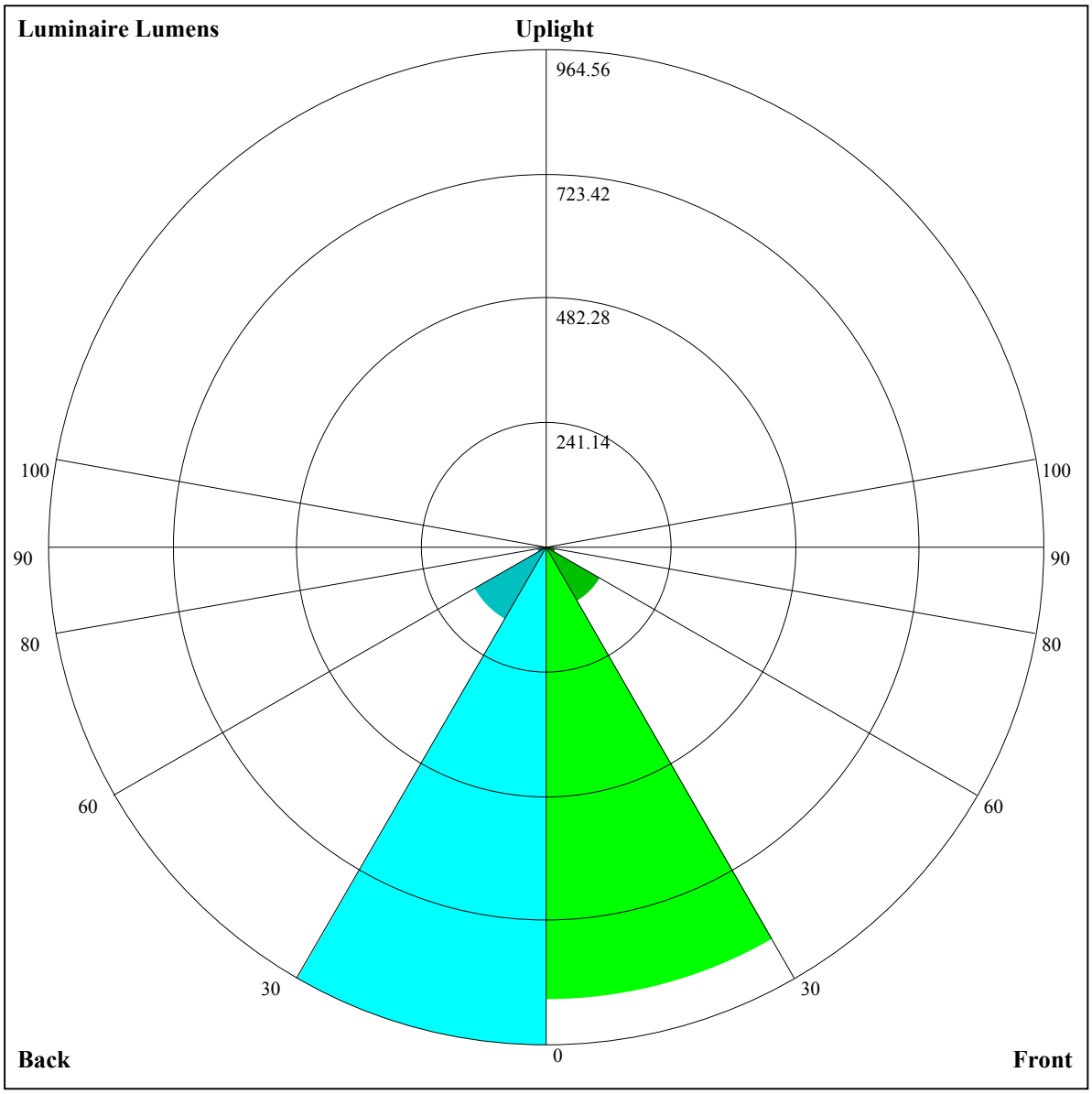
Utilization factor table for indoor luminaire

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	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.84	0.84	0.84	0.82
1	0.91	0.89	0.87	0.89	0.88	0.86	0.86	0.85	0.83	0.83	0.82	0.81	0.80	0.79	0.79	0.77
2	0.85	0.82	0.80	0.84	0.81	0.79	0.81	0.79	0.77	0.79	0.77	0.75	0.77	0.75	0.74	0.73
3	0.80	0.77	0.74	0.79	0.76	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.73	0.71	0.70	0.69
4	0.76	0.72	0.69	0.75	0.71	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.70	0.68	0.66	0.65
5	0.72	0.68	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.65	0.63	0.67	0.65	0.63	0.61
6	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.65	0.62	0.60	0.64	0.62	0.59	0.58
7	0.65	0.61	0.58	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.56
8	0.62	0.58	0.55	0.62	0.57	0.55	0.61	0.57	0.54	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	0.54	0.52	0.57	0.54	0.52	0.57	0.54	0.51	0.50
10	0.57	0.52	0.50	0.56	0.52	0.50	0.56	0.52	0.49	0.55	0.52	0.49	0.55	0.51	0.49	0.48

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/8	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=878.08,FM=121.86,FH=18.6,FVH=5.78
BL=964.56,BM=162.63,BH=18.45,BVH=6.03
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	3983.10	3953.84	3916.38	3853.77	3794.07	3726.77	3633.72	3554.13	3464.01
45.0	4005.92	3994.22	3973.15	3929.26	3885.95	3833.87	3768.32	3681.12	3606.21
90.0	4003.58	3989.54	3956.76	3919.31	3870.15	3815.14	3732.04	3660.64	3582.22
135.0	4009.43	4010.61	4003.58	3987.20	3951.50	3911.12	3864.30	3807.53	3727.36
180.0	3983.10	4003.58	4008.26	4008.26	4000.07	3980.17	3955.01	3917.55	3870.15
225.0	4005.92	4004.17	3999.49	3983.10	3960.28	3919.31	3876.59	3822.75	3744.33
270.0	4003.58	4010.02	4001.83	3990.12	3970.81	3935.11	3892.98	3828.60	3767.74
315.0	4009.43	3998.32	3980.76	3947.40	3908.19	3859.62	3782.95	3715.07	3638.99
360.0	3983.10	3953.84	3916.38	3853.77	3794.07	3726.77	3633.72	3554.13	3464.01

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3346.38	3245.13	3139.21	3026.84	2881.71	2761.15	2636.50	2506.58	2335.11
45.0	3523.70	3409.58	3315.36	3187.19	3079.51	2961.88	2843.08	2689.17	2562.17
90.0	3496.19	3380.32	3277.32	3149.15	3038.55	2923.84	2769.93	2644.11	2513.60
135.0	3654.20	3574.61	3464.59	3368.03	3267.95	3134.52	3016.31	2868.25	2745.93
180.0	3801.68	3737.31	3663.57	3559.40	3473.37	3352.23	3248.64	3140.38	3026.84
225.0	3672.35	3574.03	3485.66	3392.61	3298.39	3193.05	3061.37	2946.67	2830.21
270.0	3699.27	3624.36	3520.77	3428.31	3331.74	3225.82	3089.46	2976.51	2860.05
315.0	3557.06	3442.35	3347.55	3247.47	3142.13	3003.43	2890.48	2772.85	2619.53
360.0	3346.38	3245.13	3139.21	3026.84	2881.71	2761.15	2636.50	2506.58	2335.11

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2195.24	2020.26	1880.39	1741.10	1567.29	1327.35	1157.81	1125.33	990.14
45.0	2430.50	2290.04	2116.82	1974.02	1835.91	1665.61	1531.01	1394.65	1220.84
90.0	2374.90	2201.09	2061.81	1915.50	1777.39	1605.92	1476.00	1134.46	1134.46
135.0	2618.94	2487.26	2316.96	2177.68	2038.40	1897.94	1728.81	1596.55	1462.54
180.0	2881.71	2759.98	2632.99	2500.72	2325.74	2184.70	2049.52	1913.74	1741.69
225.0	2706.72	2545.79	2414.70	2237.37	2096.33	1961.73	1794.94	1658.00	1522.81
270.0	2741.84	2585.58	2455.08	2281.85	2134.96	1993.92	1830.06	1697.80	1558.51
315.0	2491.36	2350.91	2176.51	2037.81	1902.62	1733.49	1595.38	1459.02	1151.55
360.0	2195.24	2020.26	1880.39	1741.10	1567.29	1327.35	1157.81	1125.33	990.14

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	858.64	738.67	597.22	498.49	411.47	336.56	254.57	198.63	153.56
45.0	1080.97	913.59	794.21	676.58	576.51	460.63	379.28	306.72	306.72
90.0	1031.34	907.98	757.46	648.37	547.13	432.31	353.65	284.54	223.56
135.0	1325.59	1157.63	1026.54	868.53	752.07	643.22	520.32	433.13	354.12
180.0	1610.01	1442.05	1307.45	1175.19	1008.40	878.48	757.92	616.89	515.06
225.0	1159.45	1159.45	1091.85	961.17	801.70	681.90	574.11	473.15	370.45
270.0	1423.33	1253.03	1124.28	994.36	870.29	711.11	604.01	500.43	383.97
315.0	1151.55	1021.33	894.11	768.05	621.22	515.88	423.88	327.84	263.64
360.0	858.64	738.67	597.22	498.49	411.47	336.56	254.57	198.63	153.56

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	111.78	88.13	71.69	58.17	50.80	45.53	40.97	38.39	36.28
45.0	170.30	130.74	101.24	81.05	67.18	55.48	48.98	43.60	40.50
90.0	163.04	126.82	99.49	81.17	64.84	55.54	48.98	43.48	40.26
135.0	299.69	299.69	154.56	119.33	94.22	72.39	60.45	51.85	45.82
180.0	426.10	351.19	301.45	301.45	161.17	124.71	91.65	73.91	61.57
225.0	303.56	244.16	191.54	138.99	107.86	80.23	65.78	55.77	47.29
270.0	311.98	296.18	223.38	140.22	108.68	80.88	65.90	55.54	48.52
315.0	208.11	151.63	117.10	86.15	69.64	58.23	50.33	44.77	40.15
360.0	111.78	88.13	71.69	58.17	50.80	45.53	40.97	38.39	36.28

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	34.53	32.83	31.72	30.67	29.79	28.79	28.09	27.45	26.63
45.0	38.10	35.76	34.24	32.89	31.54	30.61	29.61	28.91	27.97
90.0	37.81	35.41	33.94	32.36	31.25	30.31	29.44	28.44	27.62
135.0	40.73	37.81	35.58	33.36	31.95	30.43	29.50	28.68	27.80
180.0	50.97	45.24	41.20	37.57	35.35	33.65	31.89	30.78	29.79
225.0	42.90	39.62	37.16	34.76	33.18	31.89	30.84	29.61	28.79
270.0	42.66	39.39	36.93	35.00	33.01	31.78	30.67	29.50	28.68
315.0	37.45	35.35	33.65	31.89	30.78	29.79	28.68	27.92	26.98
360.0	34.53	32.83	31.72	30.67	29.79	28.79	28.09	27.45	26.63

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.98	25.22	24.58	23.99	23.47	22.77	22.24	21.71	21.19
45.0	27.33	26.69	26.04	25.22	24.58	23.99	23.29	22.77	22.06
90.0	26.92	26.22	25.40	24.76	24.11	23.41	22.77	22.24	21.59
135.0	26.86	26.16	25.46	24.81	23.99	23.41	22.77	22.06	21.48
180.0	28.85	27.92	27.15	26.45	25.81	24.93	24.29	23.64	22.88
225.0	28.03	27.10	26.39	25.52	24.87	24.23	23.58	22.82	22.24
270.0	27.92	27.04	26.39	25.52	24.87	24.23	23.64	22.88	22.30
315.0	26.34	25.69	24.87	24.29	23.64	23.12	22.41	21.83	21.30
360.0	25.98	25.22	24.58	23.99	23.47	22.77	22.24	21.71	21.19

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.54	20.01	19.43	18.96	18.43	18.43	18.49	18.38	18.08
45.0	21.54	21.19	21.13	21.36	21.65	21.77	21.77	21.54	21.24
90.0	20.95	20.42	19.78	19.25	18.84	18.61	18.49	18.49	18.38
135.0	20.95	20.25	19.72	19.14	18.43	17.97	17.44	16.85	16.44
180.0	22.30	21.59	21.01	20.42	19.78	19.20	18.61	18.08	17.56
225.0	21.65	20.95	20.37	19.84	19.25	18.61	18.20	18.49	19.14
270.0	21.77	21.19	20.48	19.96	19.37	18.84	18.20	17.73	17.09
315.0	20.78	20.07	19.49	18.90	18.20	17.67	17.15	16.74	16.27
360.0	20.54	20.01	19.43	18.96	18.43	18.43	18.49	18.38	18.08

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.62	17.56	17.09	16.27	15.74	15.27	14.05	12.99	12.58
45.0	20.95	20.19	18.96	17.91	17.15	16.39	15.16	14.40	13.64
90.0	18.08	17.38	17.15	16.56	15.86	15.33	14.57	13.81	13.28
135.0	15.98	15.57	15.16	14.92	14.63	14.34	13.99	13.69	13.28
180.0	17.03	16.56	16.09	15.57	15.22	14.92	14.63	14.40	14.10
225.0	18.43	17.62	16.68	15.98	15.39	14.86	14.51	14.16	13.87
270.0	16.68	16.27	15.92	15.57	15.16	14.92	14.46	14.16	13.81
315.0	15.80	15.27	14.98	14.69	14.40	14.10	13.75	13.40	13.11
360.0	17.62	17.56	17.09	16.27	15.74	15.27	14.05	12.99	12.58

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.11	11.29	10.53	10.01	9.48	9.36	9.19	9.19	9.19
45.0	12.93	12.29	11.47	10.65	10.07	9.48	9.25	9.19	9.13
90.0	12.70	12.06	11.12	10.36	9.60	9.42	9.25	9.13	9.13
135.0	12.87	12.47	11.82	11.18	10.30	9.71	9.42	9.31	9.19
180.0	13.69	13.40	12.93	12.52	11.88	11.06	10.24	9.66	9.48
225.0	13.46	13.05	12.64	11.76	11.00	10.24	9.66	9.42	9.25
270.0	13.34	12.99	12.58	12.00	11.00	10.18	9.66	9.42	9.25
315.0	12.64	12.17	11.53	10.83	10.18	9.66	9.42	9.25	9.13
360.0	12.11	11.29	10.53	10.01	9.48	9.36	9.19	9.19	9.19

Intensity data(cd)

C/γ(°)	90.0
0.0	9.19
45.0	9.13
90.0	9.13
135.0	9.13
180.0	9.31
225.0	9.25
270.0	9.13
315.0	9.13
360.0	9.19