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: 2-2689-L
Luminaire: 92.70.411.00
Report No: 2024408-B013
Ballast type: AC

Test No: 2024408-C013	Voltage(V): 34.890
LampCAT: Fortimo_SLM_C_1205	Current(A): 0.401
Lamp flux(lm): 2378.0	Power (W): 13.990
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1994.09, Efficiency(%): 83.86% , Luminous Efficacy(lm/W): 142.54
Central intensity(cd): 3679.807, Maximum intensity(cd): 3679.807
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=43.6
[C90/270]Total=43.6
Field angle(10%Imax): [C0/180]Total=67.0
[C90/270]Total=67.0
Maximum s/h(1/2): C0_180=0.70 C90_270=0.70
Maximum s/h(1/4): C0_180=0.69 C90_270=0.69
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 83.86%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.751%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3679.807	0.000	0	0.00%	0.00%
1.0	3677.100	3.520	3.52	0.15%	0.18%
2.0	3666.420	10.540	14.06	0.44%	0.71%
3.0	3646.303	17.490	31.55	0.74%	1.58%
4.0	3621.358	24.327	55.877	1.02%	2.80%
5.0	3585.366	31.003	86.88	1.30%	4.36%
6.0	3534.525	37.417	124.297	1.57%	6.23%
7.0	3476.441	43.517	167.814	1.83%	8.42%
8.0	3408.702	49.276	217.09	2.07%	10.89%
9.0	3337.670	54.676	271.765	2.30%	13.63%
10.0	3247.179	59.590	331.356	2.51%	16.62%
11.0	3157.128	63.992	395.348	2.69%	19.83%
12.0	3054.055	67.897	463.245	2.86%	23.23%
13.0	2949.227	71.244	534.489	3.00%	26.80%
14.0	2827.427	73.941	608.43	3.11%	30.51%
15.0	2712.430	76.054	684.483	3.20%	34.33%
16.0	2586.387	77.643	762.126	3.27%	38.22%
17.0	2469.781	78.738	840.864	3.31%	42.17%
18.0	2339.349	79.292	920.156	3.33%	46.14%
19.0	2210.819	79.164	999.32	3.33%	50.11%
20.0	2080.460	78.542	1077.862	3.30%	54.05%
21.0	1948.273	77.360	1155.222	3.25%	57.93%
22.0	1810.891	75.542	1230.764	3.18%	61.72%
23.0	1662.610	72.883	1303.647	3.06%	65.38%
24.0	1503.326	69.219	1372.866	2.91%	68.85%
25.0	1376.098	65.472	1438.338	2.75%	72.13%
26.0	1244.079	61.850	1500.187	2.60%	75.23%
27.0	1101.957	57.396	1557.583	2.41%	78.11%
28.0	976.989	52.635	1610.218	2.21%	80.75%
29.0	841.927	47.588	1657.806	2.00%	83.14%
30.0	721.860	42.222	1700.028	1.78%	85.25%
31.0	603.682	36.888	1736.916	1.55%	87.10%
32.0	496.746	31.526	1768.442	1.33%	88.68%
33.0	401.333	26.458	1794.9	1.11%	90.01%
34.0	329.833	22.127	1817.027	0.93%	91.12%
35.0	267.448	18.549	1835.576	0.78%	92.05%
36.0	214.646	15.350	1850.926	0.65%	92.82%
37.0	177.572	12.792	1863.718	0.54%	93.46%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	124.097	10.069	1873.787	0.42%	93.97%
39.0	99.210	7.622	1881.409	0.32%	94.35%
40.0	82.107	6.324	1887.733	0.27%	94.67%
41.0	69.144	5.386	1893.119	0.23%	94.94%
42.0	60.293	4.703	1897.822	0.20%	95.17%
43.0	53.797	4.226	1902.048	0.18%	95.38%
44.0	49.020	3.881	1905.929	0.16%	95.58%
45.0	45.157	3.619	1909.548	0.15%	95.76%
46.0	42.283	3.420	1912.967	0.14%	95.93%
47.0	39.905	3.269	1916.236	0.14%	96.10%
48.0	37.710	3.138	1919.374	0.13%	96.25%
49.0	35.640	3.012	1922.386	0.13%	96.40%
50.0	33.848	2.897	1925.283	0.12%	96.55%
51.0	32.246	2.796	1928.08	0.12%	96.69%
52.0	30.615	2.697	1930.777	0.11%	96.82%
53.0	29.137	2.599	1933.376	0.11%	96.96%
54.0	27.827	2.511	1935.887	0.11%	97.08%
55.0	26.533	2.427	1938.313	0.10%	97.20%
56.0	25.318	2.343	1940.656	0.10%	97.32%
57.0	24.228	2.265	1942.922	0.10%	97.43%
58.0	23.116	2.189	1945.111	0.09%	97.54%
59.0	22.012	2.110	1947.221	0.09%	97.65%
60.0	21.002	2.032	1949.253	0.09%	97.75%
61.0	20.015	1.957	1951.211	0.08%	97.85%
62.0	18.998	1.880	1953.09	0.08%	97.94%
63.0	18.010	1.800	1954.89	0.08%	98.03%
64.0	17.184	1.727	1956.617	0.07%	98.12%
65.0	16.423	1.663	1958.28	0.07%	98.20%
66.0	15.845	1.610	1959.89	0.07%	98.28%
67.0	15.626	1.582	1961.473	0.07%	98.36%
68.0	15.640	1.584	1963.057	0.07%	98.44%
69.0	15.830	1.605	1964.662	0.07%	98.52%
70.0	16.225	1.646	1966.308	0.07%	98.61%
71.0	16.642	1.699	1968.007	0.07%	98.69%
72.0	16.876	1.743	1969.75	0.07%	98.78%
73.0	16.862	1.764	1971.514	0.07%	98.87%
74.0	16.759	1.768	1973.282	0.07%	98.96%
75.0	16.459	1.755	1975.037	0.07%	99.04%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	16.006	1.723	1976.76	0.07%	99.13%
77.0	15.384	1.674	1978.434	0.07%	99.21%
78.0	14.433	1.596	1980.03	0.07%	99.29%
79.0	13.292	1.490	1981.52	0.06%	99.37%
80.0	12.363	1.383	1982.903	0.06%	99.44%
81.0	11.895	1.312	1984.215	0.06%	99.50%
82.0	11.609	1.275	1985.489	0.05%	99.57%
83.0	11.244	1.242	1986.732	0.05%	99.63%
84.0	10.827	1.202	1987.934	0.05%	99.69%
85.0	10.373	1.157	1989.091	0.05%	99.75%
86.0	9.605	1.092	1990.183	0.05%	99.80%
87.0	9.122	1.025	1991.208	0.04%	99.86%
88.0	8.793	0.981	1992.189	0.04%	99.90%
89.0	8.661	0.957	1993.146	0.04%	99.95%
90.0	8.595	0.946	1994.092	0.04%	100.00%

Zonal flux distribution table

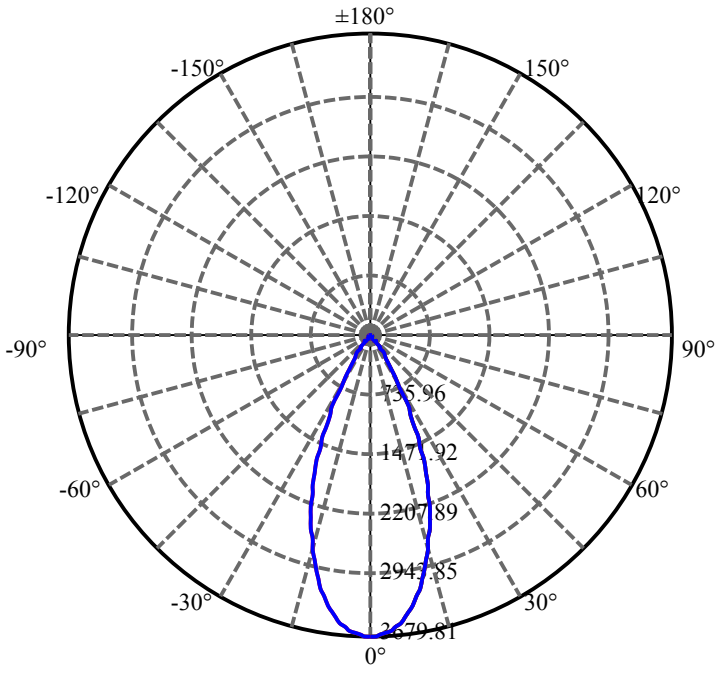
ZONAL LUMEN SUMMARY

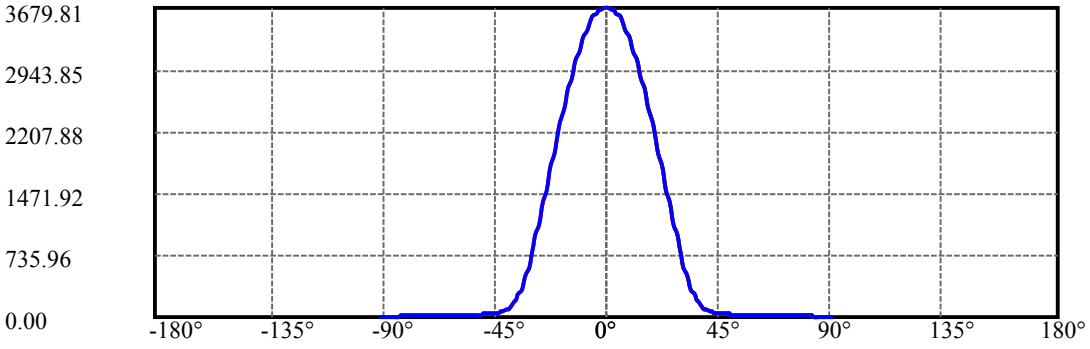
Zone	Lumens	%Lamp	%Fixt
0-30	1700.03	71.49%	85.25%
0-40	1887.73	79.38%	94.67%
0-60	1949.25	81.97%	97.75%
0-90	1993.15	83.82%	99.95%
0-120	1993.15	83.82%	99.95%
0-180	1994.09	83.86%	100.00%
60-90	43.89	1.85%	2.20%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.72	1595.27	67.08%	80.00%

ZONAL LUMEN SUMMARY

0-10	331.36
10-20	746.51
20-30	622.17
30-40	187.71
40-50	37.55
50-60	23.97
60-70	17.06
70-80	16.59
80-90	10.24
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):

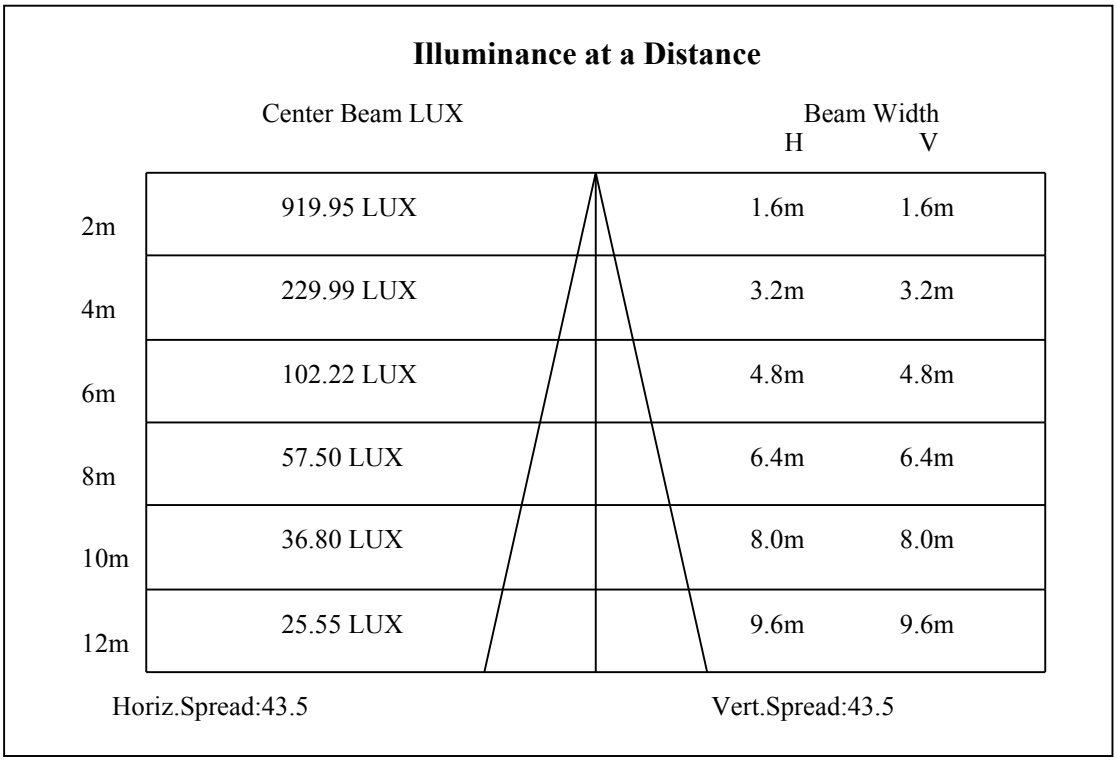
C0/C180:

C90/C270:

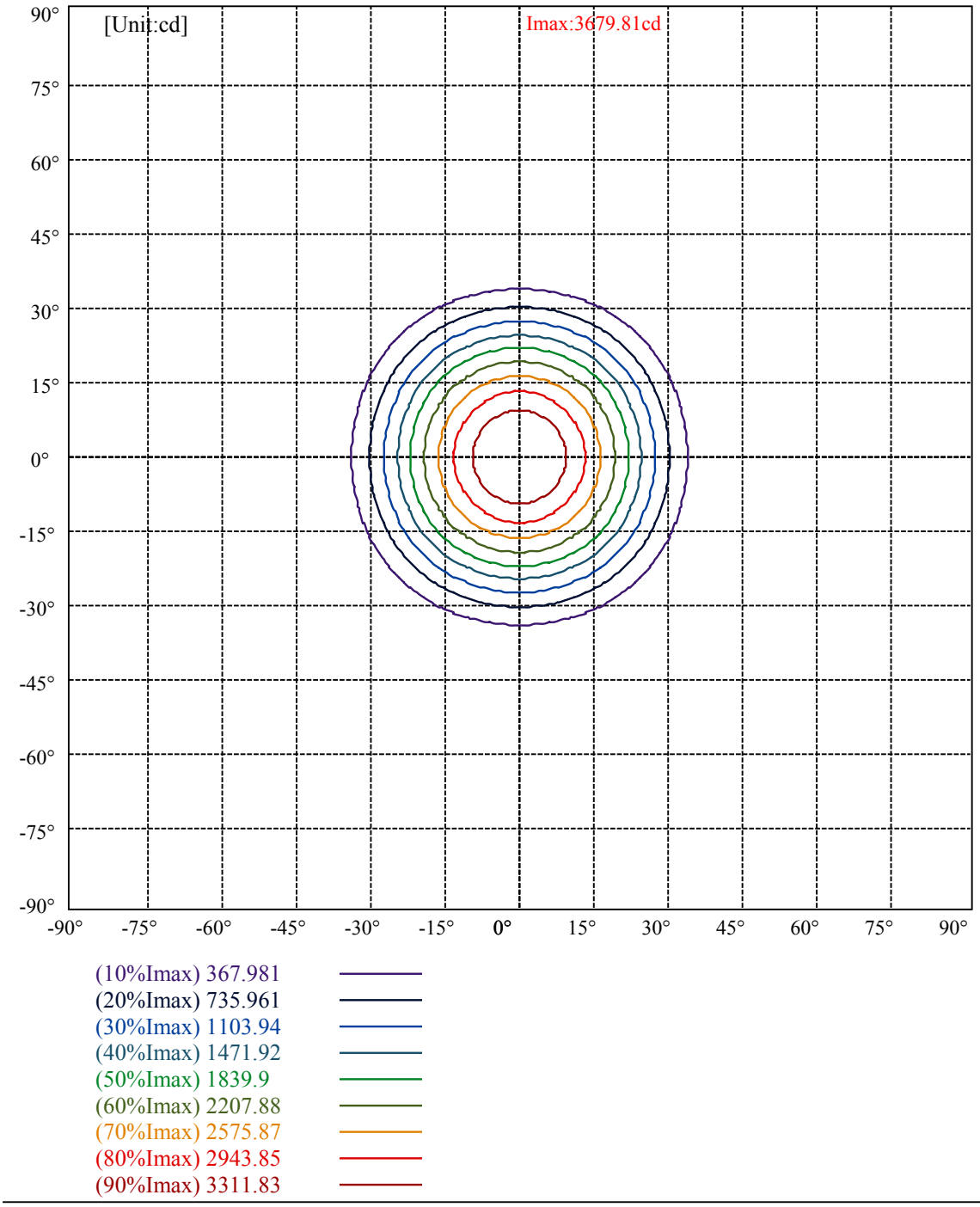
Field angle(10%Imax):C0/180Left:33.5 Right:33.5
:C90/270Left:33.5 Right:33.5

Beam Angle(50%Imax):C0/180Left:21.8 Right:21.8
:C90/270Left:21.8 Right:21.8

Lux distance Curve



ISO-Intensity(V-H)

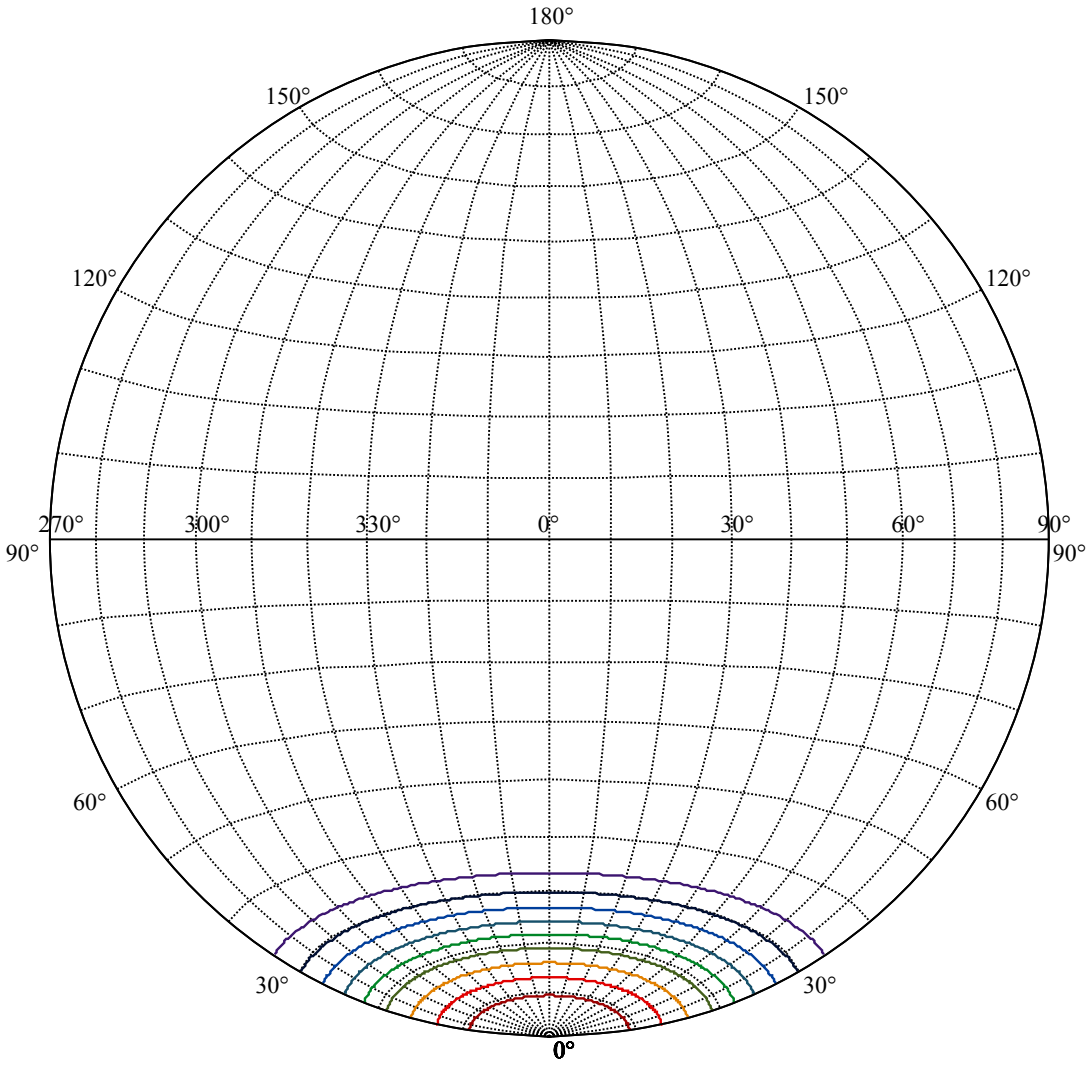


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/08
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web

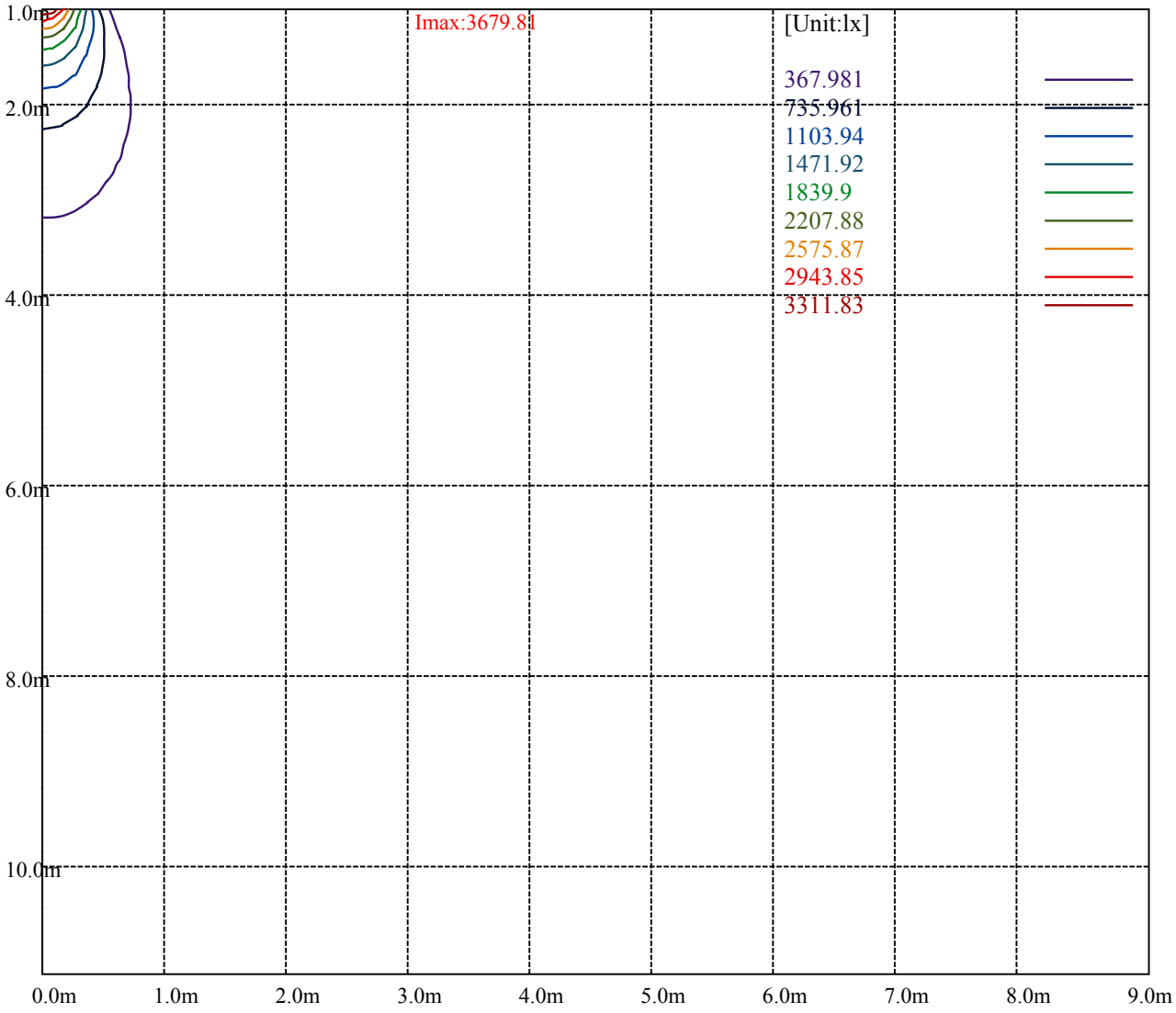


[Unit:cd]

Imax:3679.81

(10%Imax) 367.981
(20%Imax) 735.961
(30%Imax) 1103.94
(40%Imax) 1471.92
(50%Imax) 1839.9
(60%Imax) 2207.88
(70%Imax) 2575.87
(80%Imax) 2943.85
(90%Imax) 3311.83

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/08
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

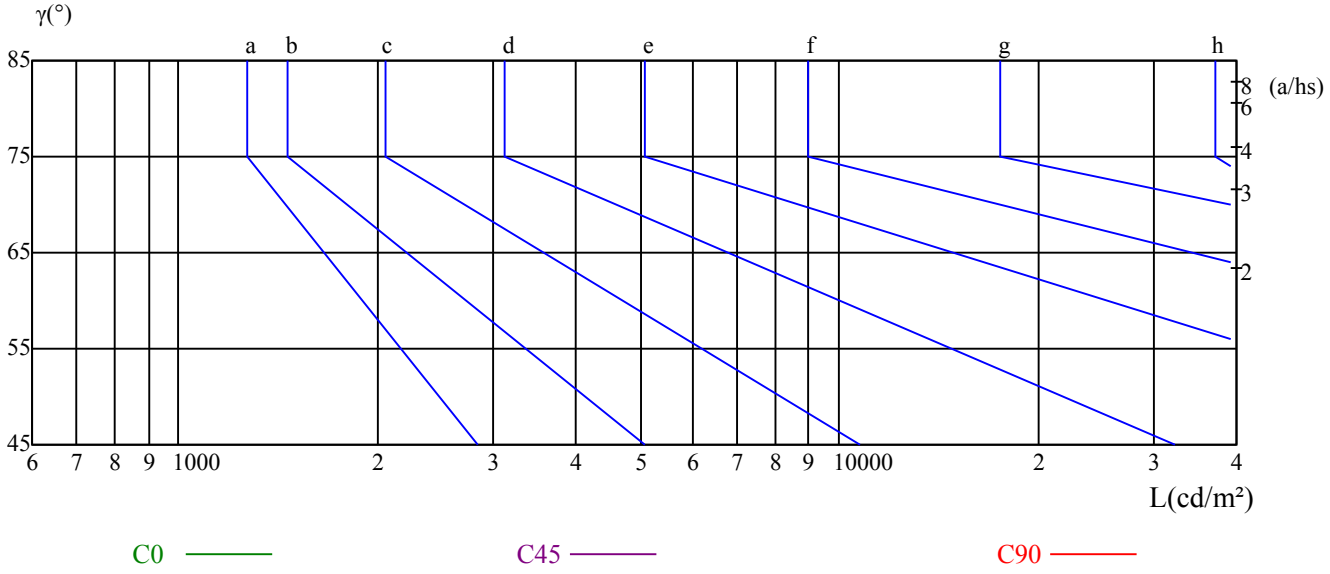
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

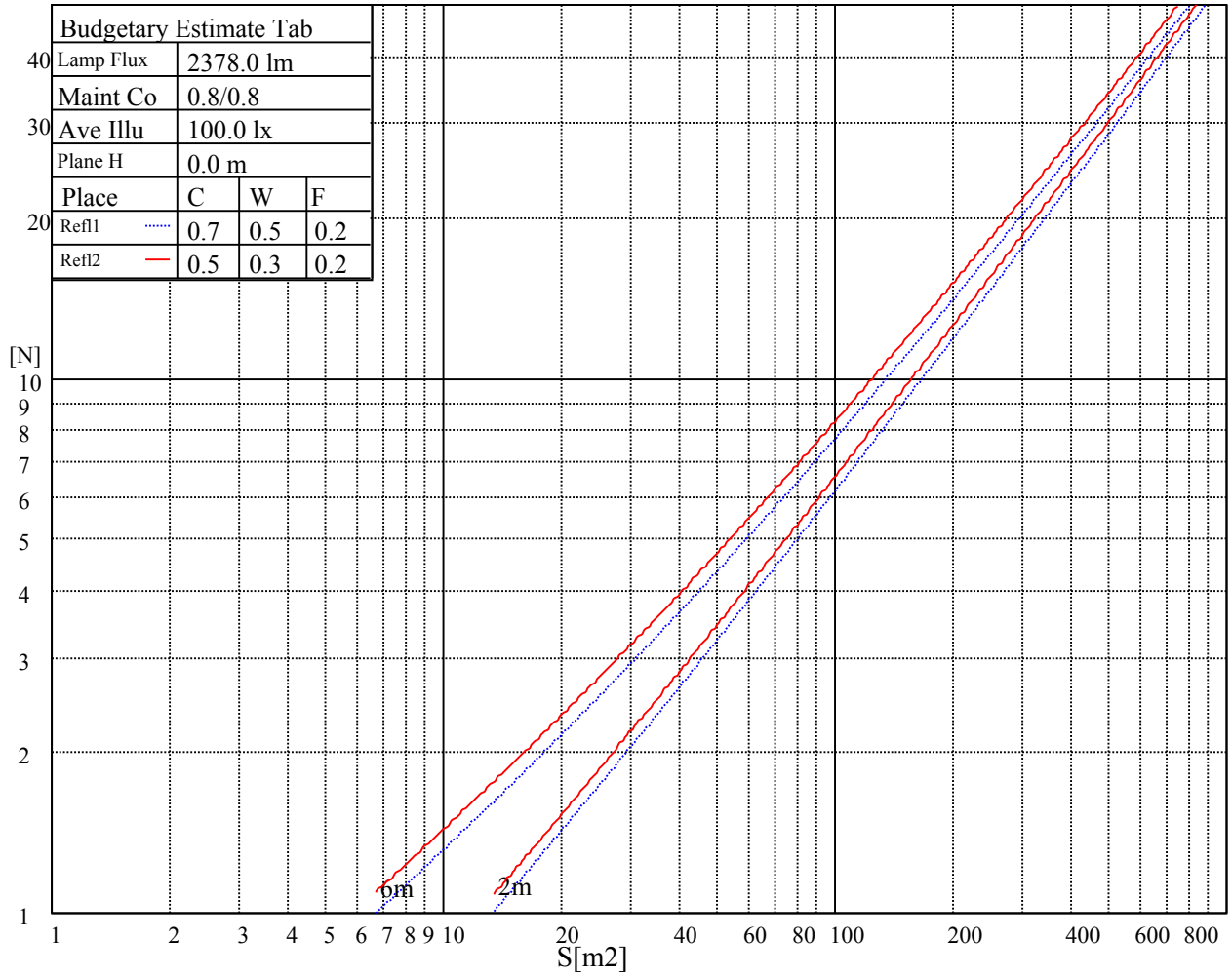
Luminance Limitting Curve



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

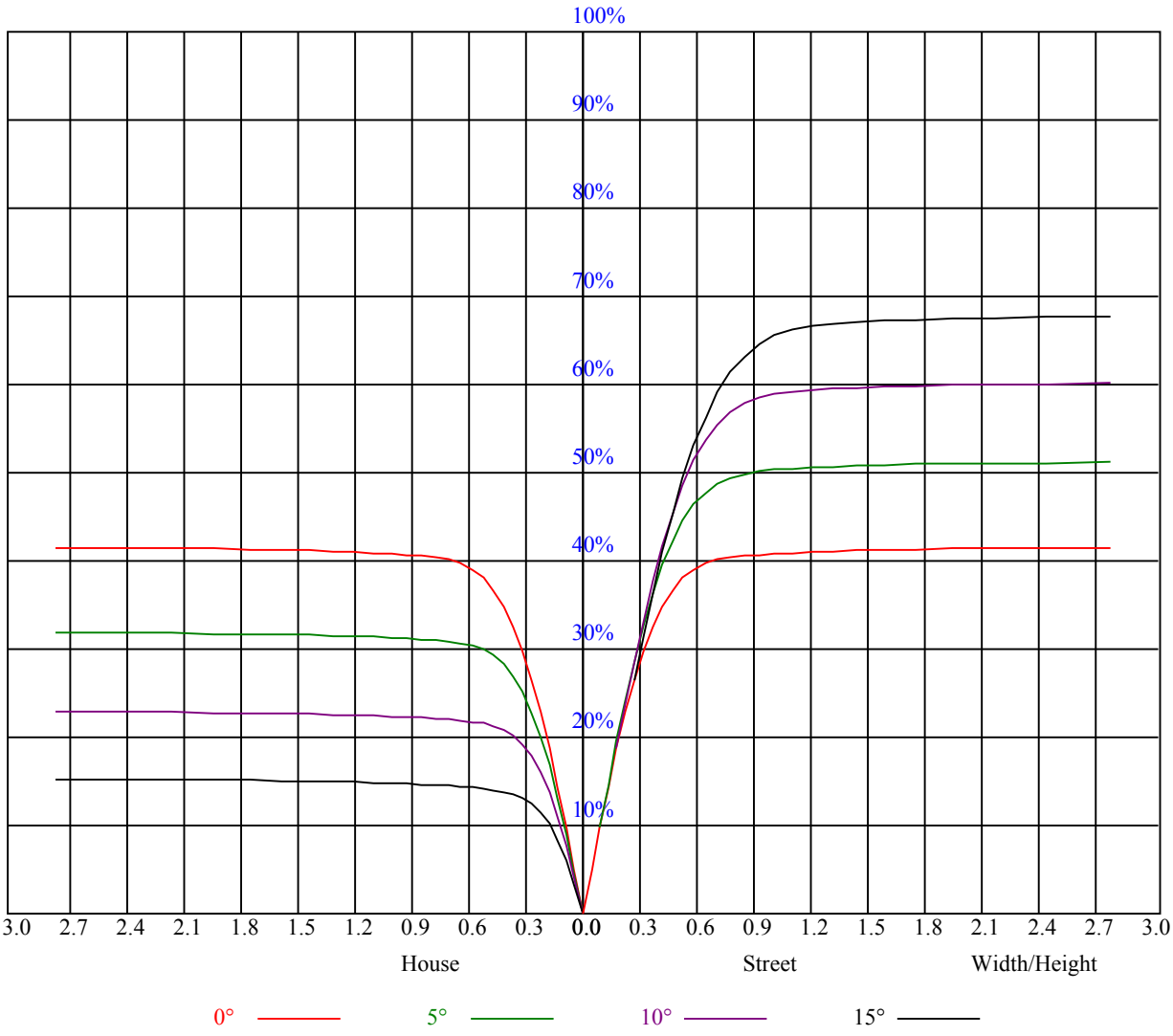


Equipment: GMS1980 Date: 2024/4/08 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

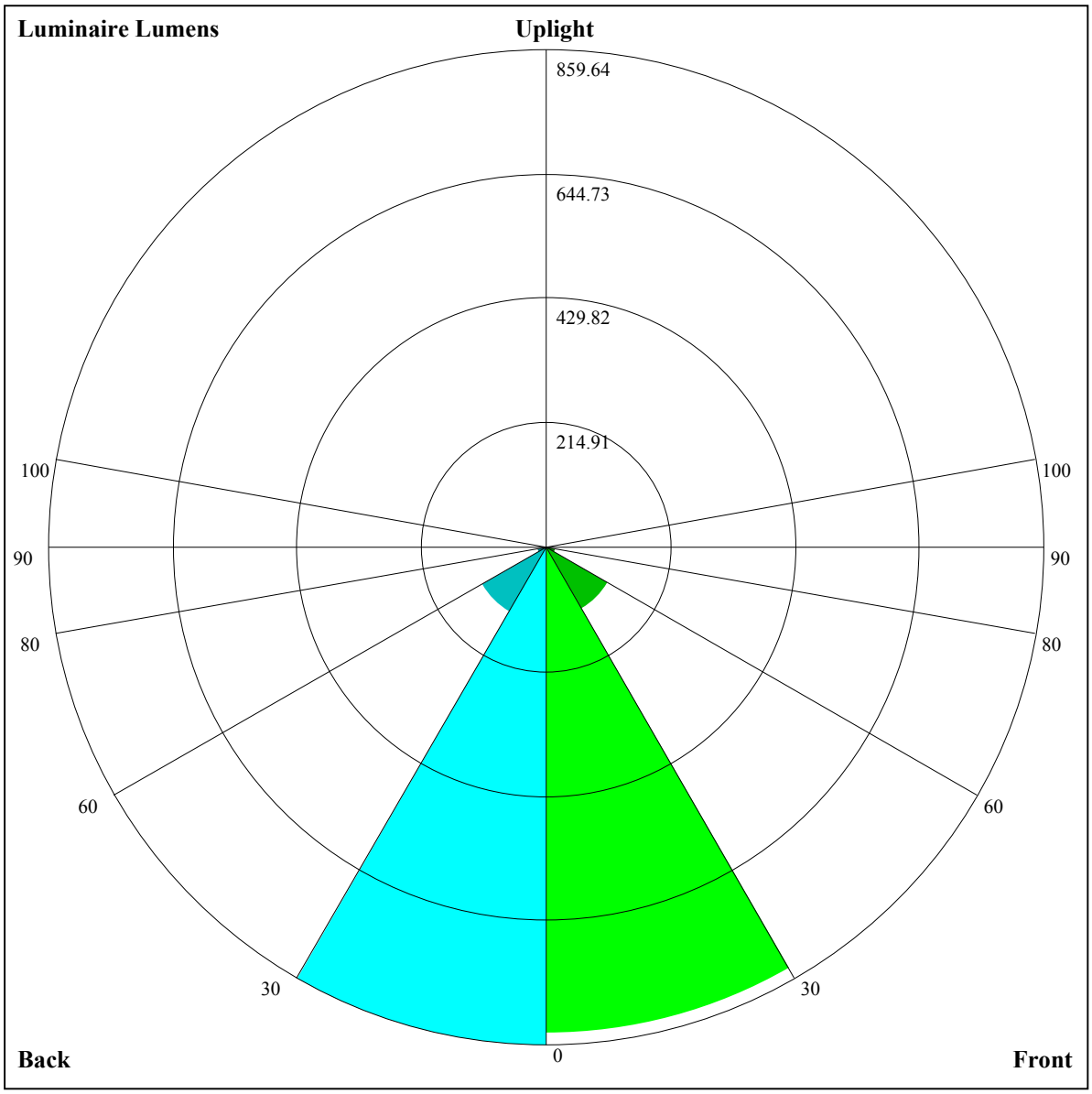
Utilization factor table for indoor luminaire

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	1.00	1.00	1.00	0.98	0.98	0.98	0.93	0.93	0.93	0.89	0.89	0.89	0.86	0.86	0.86	0.84
1	0.93	0.91	0.89	0.91	0.90	0.88	0.88	0.86	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.79
2	0.87	0.84	0.81	0.86	0.83	0.81	0.83	0.81	0.79	0.81	0.79	0.77	0.78	0.77	0.76	0.74
3	0.82	0.78	0.75	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.74	0.72	0.75	0.73	0.71	0.70
4	0.78	0.73	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.73	0.71	0.68	0.72	0.69	0.67	0.66
5	0.74	0.69	0.66	0.73	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.63
6	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.60
7	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.57
8	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.61	0.58	0.55	0.54
9	0.61	0.56	0.53	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.52
10	0.58	0.54	0.51	0.58	0.54	0.51	0.57	0.53	0.51	0.56	0.53	0.51	0.56	0.53	0.50	0.49

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/08	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=838.8,FM=123.07,FH=17.6,FVH=5.65
BL=859.64,BM=130.13,BH=15.66,BVH=5.61
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	3680.54	3675.27	3658.30	3639.57	3603.29	3558.23	3503.22	3440.60	3358.66
45.0	3681.71	3681.71	3680.54	3668.25	3658.30	3641.33	3609.14	3559.40	3506.73
90.0	3679.95	3681.12	3682.88	3670.00	3660.64	3637.23	3598.02	3555.89	3481.56
135.0	3677.03	3683.46	3684.64	3681.12	3663.57	3644.84	3622.60	3582.81	3522.53
180.0	3680.54	3681.71	3675.86	3656.54	3637.23	3602.12	3555.89	3503.80	3445.28
225.0	3681.71	3671.17	3646.60	3609.73	3574.61	3518.43	3443.52	3374.47	3296.05
270.0	3679.95	3672.35	3660.64	3638.40	3606.80	3565.83	3517.26	3435.33	3371.54
315.0	3677.03	3670.00	3641.91	3606.80	3566.42	3514.92	3426.55	3359.25	3287.27
360.0	3680.54	3675.27	3658.30	3639.57	3603.29	3558.23	3503.22	3440.60	3358.66

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3284.93	3202.99	3111.70	2983.54	2879.95	2739.50	2627.72	2512.43	2398.90
45.0	3451.72	3387.34	3290.78	3211.19	3121.06	2993.48	2885.80	2776.37	2633.57
90.0	3421.28	3326.48	3243.96	3156.18	3057.86	2950.18	2809.14	2694.43	2578.56
135.0	3469.86	3414.85	3345.79	3249.23	3160.86	3062.54	2963.64	2822.60	2710.24
180.0	3373.30	3297.22	3218.21	3135.69	3015.72	2910.97	2803.29	2667.51	2555.15
225.0	3211.19	3094.14	2994.07	2885.80	2768.76	2634.74	2517.70	2405.92	2295.31
270.0	3292.53	3179.00	3078.93	2947.25	2840.74	2718.43	2604.31	2461.51	2350.32
315.0	3196.56	3075.42	2973.59	2863.56	2748.86	2609.58	2487.85	2350.32	2236.20
360.0	3284.93	3202.99	3111.70	2983.54	2879.95	2739.50	2627.72	2512.43	2398.90

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2260.20	2138.47	2015.57	1886.82	1727.64	1595.97	1466.63	1163.37	1163.37
45.0	2521.79	2411.77	2275.41	2155.44	2030.20	1902.62	1741.10	1614.69	1484.77
90.0	2468.54	2328.08	2213.96	2089.31	1934.23	1809.57	1683.75	1529.25	1303.94
135.0	2569.20	2461.51	2349.15	2196.41	2068.24	1940.66	1807.23	1651.56	1519.89
180.0	2436.35	2287.70	2168.32	2010.31	1882.73	1750.47	1621.72	1465.46	1336.13
225.0	2143.74	2013.82	1855.81	1729.98	1601.23	1444.98	1146.22	1146.22	1047.08
270.0	2229.18	2096.33	1940.66	1816.60	1697.21	1532.18	1404.01	1282.29	1106.72
315.0	2085.80	1948.86	1824.79	1701.31	1545.64	1324.42	1155.94	1155.94	990.73
360.0	2260.20	2138.47	2015.57	1886.82	1727.64	1595.97	1466.63	1163.37	1163.37

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1025.26	892.59	736.68	627.19	529.86	420.13	341.30	274.41	208.34
45.0	1350.76	1180.46	1045.27	915.94	765.53	656.68	530.27	435.47	352.36
90.0	1134.99	1102.62	974.93	847.11	698.76	590.84	487.38	395.90	300.28
135.0	1389.38	1252.44	1084.48	952.80	826.40	681.85	572.99	471.75	362.31
180.0	1201.53	1076.29	914.18	782.50	668.39	557.19	433.13	349.44	296.18
225.0	883.05	760.38	647.55	541.98	422.42	341.30	274.70	209.04	167.73
270.0	976.21	817.03	705.25	604.60	503.35	390.40	315.49	297.35	297.35
315.0	854.49	734.11	627.07	502.77	414.75	335.57	255.39	205.30	155.03
360.0	1025.26	892.59	736.68	627.19	529.86	420.13	341.30	274.41	208.34

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	165.44	132.09	101.01	82.93	70.75	61.86	55.83	50.45	47.11
45.0	299.69	299.69	167.96	133.37	107.33	83.86	71.16	62.27	55.95
90.0	240.47	192.25	153.09	116.23	94.86	79.30	65.72	58.11	51.15
135.0	307.89	307.89	173.46	139.28	113.18	89.77	76.14	65.66	57.94
180.0	296.18	166.73	133.78	103.41	86.20	73.04	63.32	54.84	49.86
225.0	133.96	103.18	85.62	72.68	60.80	54.31	49.45	45.82	42.43
270.0	149.29	118.74	95.74	78.71	64.49	57.06	50.86	47.11	44.13
315.0	124.24	100.01	82.11	67.07	59.22	53.96	49.86	46.12	43.60
360.0	165.44	132.09	101.01	82.93	70.75	61.86	55.83	50.45	47.11

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	43.77	41.43	39.39	37.04	35.35	33.83	32.01	30.61	29.26
45.0	50.15	46.64	43.19	40.79	38.74	36.28	34.53	32.89	31.08
90.0	47.17	44.07	41.55	38.86	36.81	34.94	33.30	31.43	29.96
135.0	51.38	47.52	44.54	42.02	39.21	37.16	35.29	33.24	31.72
180.0	46.12	42.66	40.32	38.33	35.93	34.24	32.66	30.84	29.44
225.0	40.15	38.16	36.28	34.18	32.66	30.78	29.38	28.09	26.63
270.0	41.08	38.92	36.99	35.17	33.12	31.66	30.31	28.97	27.39
315.0	41.43	38.86	36.99	35.29	33.30	31.89	30.49	28.85	27.62
360.0	43.77	41.43	39.39	37.04	35.35	33.83	32.01	30.61	29.26

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.03	26.63	25.46	24.35	23.12	22.06	21.13	20.07	18.96
45.0	29.73	28.44	27.21	25.81	24.76	23.64	22.65	21.30	20.25
90.0	28.62	26.98	25.81	24.64	23.29	22.30	21.13	20.19	19.25
135.0	29.96	28.62	27.39	26.22	24.87	23.82	22.77	21.83	20.54
180.0	28.09	26.57	25.40	24.29	23.23	22.00	21.07	20.13	19.20
225.0	25.52	24.46	23.17	22.24	21.30	20.31	19.14	18.26	17.38
270.0	26.22	25.16	23.94	23.00	22.00	20.83	19.90	19.02	17.97
315.0	26.45	25.40	24.17	23.29	22.36	21.13	20.25	19.31	18.43
360.0	28.03	26.63	25.46	24.35	23.12	22.06	21.13	20.07	18.96

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.08	17.21	16.39	16.21	17.26	18.84	20.89	22.88	24.17
45.0	19.02	18.14	17.32	16.21	15.57	15.10	14.75	14.34	14.05
90.0	18.32	17.50	16.39	15.63	15.10	14.63	14.22	13.93	13.58
135.0	19.61	18.61	17.56	16.62	15.98	15.33	14.86	14.57	14.22
180.0	18.08	17.15	16.33	15.57	15.16	14.81	14.75	15.27	15.98
225.0	16.50	15.68	15.22	14.86	14.51	14.22	13.93	13.64	13.40
270.0	17.15	16.39	15.92	15.63	15.51	15.45	15.39	15.45	15.80
315.0	17.32	16.80	16.27	16.04	15.92	16.74	17.85	19.72	21.95
360.0	18.08	17.21	16.39	16.21	17.26	18.84	20.89	22.88	24.17

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	24.58	24.35	24.29	24.11	23.35	23.00	20.42	16.85	13.34
45.0	13.69	13.52	13.23	13.05	12.87	12.70	12.52	12.41	12.23
90.0	13.34	13.17	12.87	12.76	12.58	12.41	12.29	12.17	12.00
135.0	13.93	13.69	13.46	13.23	12.99	12.87	12.70	12.52	12.41
180.0	16.15	16.04	15.51	15.04	14.63	13.99	13.52	12.87	12.35
225.0	13.23	12.93	12.76	12.64	12.41	12.23	12.06	11.88	11.76
270.0	16.21	16.50	16.97	16.85	16.56	16.15	15.22	13.75	12.41
315.0	23.88	24.70	24.99	23.99	22.65	19.72	16.74	13.87	12.41
360.0	24.58	24.35	24.29	24.11	23.35	23.00	20.42	16.85	13.34

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.82	11.47	11.00	10.53	9.89	9.48	8.84	8.66	8.43
45.0	12.11	11.94	11.65	11.29	10.83	10.24	9.48	9.07	8.78
90.0	11.94	11.76	11.47	11.00	10.53	10.01	9.42	9.01	8.78
135.0	12.29	12.11	11.76	11.41	10.94	10.24	9.66	9.19	8.90
180.0	11.94	11.53	11.12	10.71	10.07	9.48	9.13	8.84	8.54
225.0	11.41	11.06	10.65	10.07	9.36	9.07	8.78	8.49	8.60
270.0	11.82	11.47	11.12	10.77	10.71	9.25	8.95	8.54	8.66
315.0	11.82	11.53	11.18	10.83	10.65	9.07	8.72	8.54	8.60
360.0	11.82	11.47	11.00	10.53	9.89	9.48	8.84	8.66	8.43

Intensity data(cd)

C/γ(°)	90.0
0.0	8.49
45.0	8.60
90.0	8.66
135.0	8.78
180.0	8.43
225.0	8.60
270.0	8.60
315.0	8.60
360.0	8.49