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Address:Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

Nata

Client:
LumCAT: 2-2569-L
Luminaire: 92.70.411.00
Report No: 2024830-B014
Ballast type: AC

Test No: 2024830-C014	Voltage(V): 36.420
LampCAT: LUMILEDS LUXEON CoB 1205	Current(A): 0.598
Lamp flux(lm): 2555.0	Power (W): 21.770
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2300.78, Efficiency(%): 90.05% , Luminous Efficacy(lm/W): 105.69
Central intensity(cd): 3951.701, Maximum intensity(cd): 3951.701
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=45.2
[C90/270]Total=45.2
Field angle(10%Imax): [C0/180]Total=71.4
[C90/270]Total=71.4
Maximum s/h(1/2): C0_180=0.70 C90_270=0.70
Maximum s/h(1/4): C0_180=0.73 C90_270=0.73
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 90.05%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.164%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3951.701	0.000	0	0.00%	0.00%
1.0	3946.675	3.779	3.779	0.15%	0.16%
2.0	3928.705	11.303	15.083	0.44%	0.66%
3.0	3900.571	18.725	33.808	0.73%	1.47%
4.0	3854.047	25.957	59.765	1.02%	2.60%
5.0	3802.930	32.940	92.705	1.29%	4.03%
6.0	3732.095	39.599	132.303	1.55%	5.75%
7.0	3642.956	45.777	178.08	1.79%	7.74%
8.0	3560.840	51.556	229.636	2.02%	9.98%
9.0	3459.710	56.898	286.534	2.23%	12.45%
10.0	3365.971	61.770	348.304	2.42%	15.14%
11.0	3259.420	66.201	414.505	2.59%	18.02%
12.0	3151.247	70.078	484.583	2.74%	21.06%
13.0	3047.002	73.558	558.141	2.88%	24.26%
14.0	2939.538	76.627	634.768	3.00%	27.59%
15.0	2828.868	79.191	713.959	3.10%	31.03%
16.0	2715.694	81.243	795.203	3.18%	34.56%
17.0	2614.860	83.011	878.214	3.25%	38.17%
18.0	2502.783	84.379	962.592	3.30%	41.84%
19.0	2394.702	85.206	1047.799	3.33%	45.54%
20.0	2275.897	85.485	1133.284	3.35%	49.26%
21.0	2155.266	85.087	1218.371	3.33%	52.95%
22.0	2041.173	84.329	1302.7	3.30%	56.62%
23.0	1924.313	83.207	1385.907	3.26%	60.24%
24.0	1816.856	81.795	1467.702	3.20%	63.79%
25.0	1704.162	80.060	1547.762	3.13%	67.27%
26.0	1599.838	77.991	1625.754	3.05%	70.66%
27.0	1433.912	74.221	1699.975	2.90%	73.89%
28.0	1309.490	69.457	1769.432	2.72%	76.91%
29.0	1223.944	66.282	1835.714	2.59%	79.79%
30.0	1084.713	62.333	1898.047	2.44%	82.50%
31.0	970.356	57.190	1955.237	2.24%	84.98%
32.0	839.535	51.851	2007.088	2.03%	87.24%
33.0	698.326	45.306	2052.394	1.77%	89.20%
34.0	585.211	38.844	2091.237	1.52%	90.89%
35.0	461.289	32.500	2123.738	1.27%	92.31%
36.0	368.200	26.411	2150.149	1.03%	93.45%
37.0	287.819	21.396	2171.545	0.84%	94.38%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	215.066	16.786	2188.33	0.66%	95.11%
39.0	171.557	13.197	2201.527	0.52%	95.69%
40.0	134.553	10.676	2212.203	0.42%	96.15%
41.0	99.409	8.331	2220.534	0.33%	96.51%
42.0	86.157	6.742	2227.276	0.26%	96.81%
43.0	74.783	5.962	2233.238	0.23%	97.06%
44.0	66.084	5.317	2238.554	0.21%	97.30%
45.0	58.436	4.785	2243.34	0.19%	97.50%
46.0	52.530	4.340	2247.68	0.17%	97.69%
47.0	46.564	3.941	2251.621	0.15%	97.86%
48.0	41.426	3.557	2255.178	0.14%	98.02%
49.0	37.379	3.236	2258.414	0.13%	98.16%
50.0	33.844	2.969	2261.383	0.12%	98.29%
51.0	30.519	2.723	2264.106	0.11%	98.41%
52.0	27.838	2.504	2266.611	0.10%	98.52%
53.0	25.696	2.329	2268.939	0.09%	98.62%
54.0	23.515	2.169	2271.108	0.08%	98.71%
55.0	21.761	2.021	2273.13	0.08%	98.80%
56.0	20.145	1.894	2275.023	0.07%	98.88%
57.0	18.719	1.777	2276.8	0.07%	98.96%
58.0	17.510	1.675	2278.475	0.07%	99.03%
59.0	16.281	1.580	2280.055	0.06%	99.10%
60.0	15.296	1.492	2281.547	0.06%	99.16%
61.0	14.336	1.414	2282.961	0.06%	99.23%
62.0	13.449	1.339	2284.3	0.05%	99.28%
63.0	12.687	1.271	2285.571	0.05%	99.34%
64.0	11.886	1.206	2286.777	0.05%	99.39%
65.0	11.216	1.143	2287.92	0.04%	99.44%
66.0	10.532	1.085	2289.005	0.04%	99.49%
67.0	9.915	1.028	2290.033	0.04%	99.53%
68.0	9.238	0.970	2291.004	0.04%	99.58%
69.0	8.627	0.911	2291.915	0.04%	99.61%
70.0	8.160	0.862	2292.777	0.03%	99.65%
71.0	7.569	0.813	2293.59	0.03%	99.69%
72.0	7.017	0.758	2294.348	0.03%	99.72%
73.0	6.537	0.709	2295.057	0.03%	99.75%
74.0	6.064	0.663	2295.72	0.03%	99.78%
75.0	5.618	0.617	2296.337	0.02%	99.81%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.131	0.571	2296.908	0.02%	99.83%
77.0	4.691	0.524	2297.431	0.02%	99.85%
78.0	4.258	0.479	2297.91	0.02%	99.88%
79.0	3.870	0.437	2298.347	0.02%	99.89%
80.0	3.430	0.394	2298.741	0.02%	99.91%
81.0	3.016	0.349	2299.089	0.01%	99.93%
82.0	2.687	0.309	2299.398	0.01%	99.94%
83.0	2.346	0.274	2299.672	0.01%	99.95%
84.0	1.997	0.237	2299.909	0.01%	99.96%
85.0	1.748	0.204	2300.113	0.01%	99.97%
86.0	1.518	0.178	2300.291	0.01%	99.98%
87.0	1.281	0.153	2300.445	0.01%	99.99%
88.0	1.064	0.128	2300.573	0.01%	99.99%
89.0	0.926	0.109	2300.682	0.00%	100.00%
90.0	0.775	0.093	2300.776	0.00%	100.00%

Zonal flux distribution table

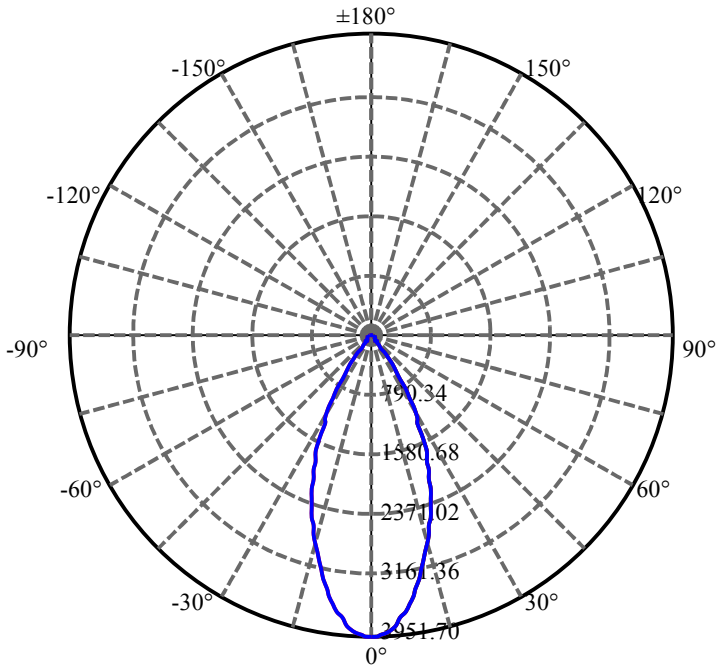
ZONAL LUMEN SUMMARY

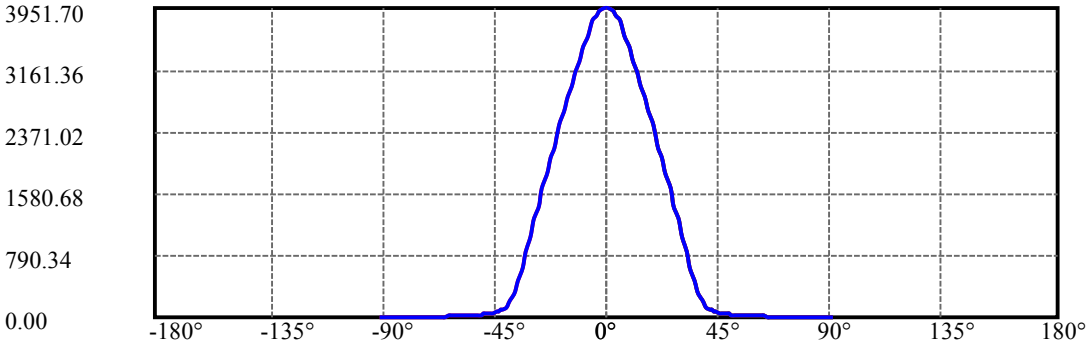
Zone	Lumens	%Lamp	%Fixt
0-30	1898.05	74.29%	82.50%
0-40	2212.20	86.58%	96.15%
0-60	2281.55	89.30%	99.16%
0-90	2300.68	90.05%	100.00%
0-120	2300.68	90.05%	100.00%
0-180	2300.78	90.05%	100.00%
60-90	19.14	0.75%	0.83%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-29.08	1840.62	72.04%	80.00%

ZONAL LUMEN SUMMARY

0-10	348.30
10-20	784.98
20-30	764.76
30-40	314.16
40-50	49.18
50-60	20.16
60-70	11.23
70-80	5.96
80-90	1.94
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):

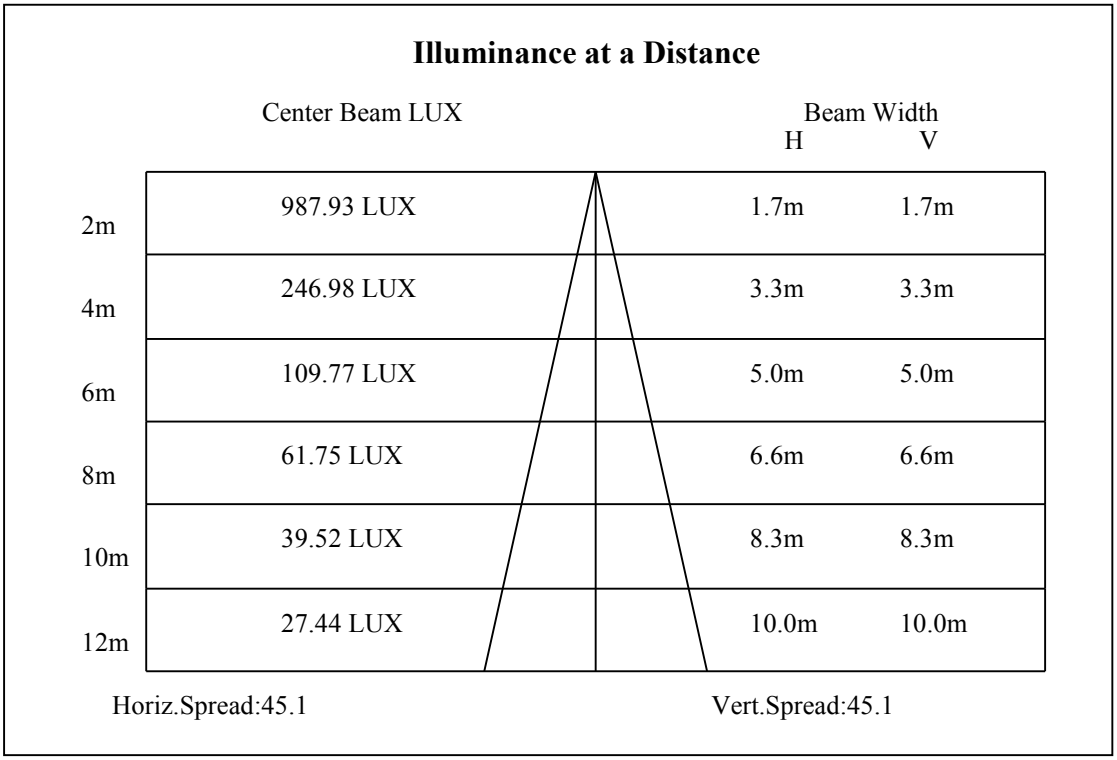
C0/C180:

C90/C270:

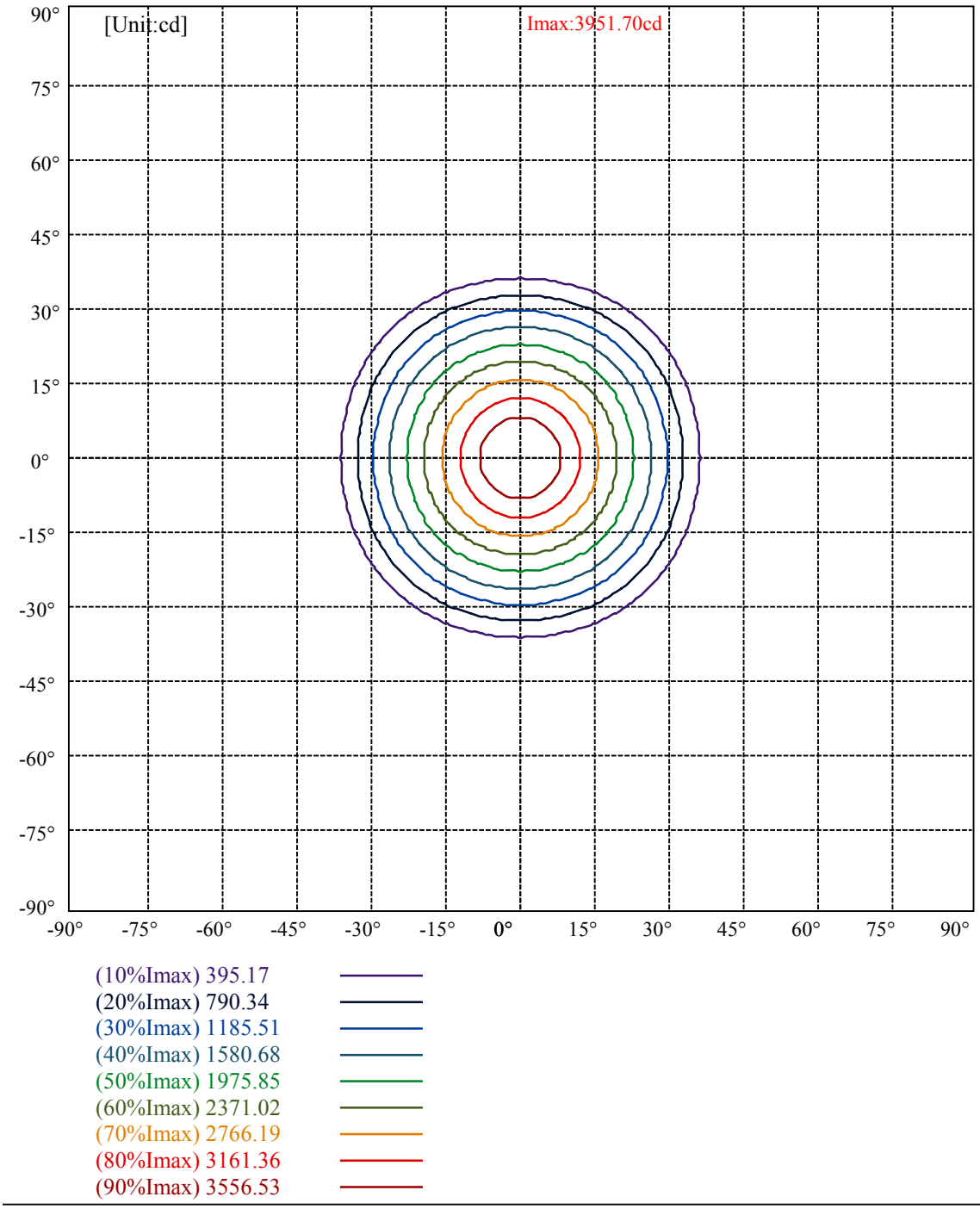
Field angle(10%Imax):C0/180Left:35.7 Right:35.7
:C90/270Left:35.7 Right:35.7

Beam Angle(50%Imax):C0/180Left:22.6 Right:22.6
:C90/270Left:22.6 Right:22.6

Lux distance Curve



ISO-Intensity(V-H)



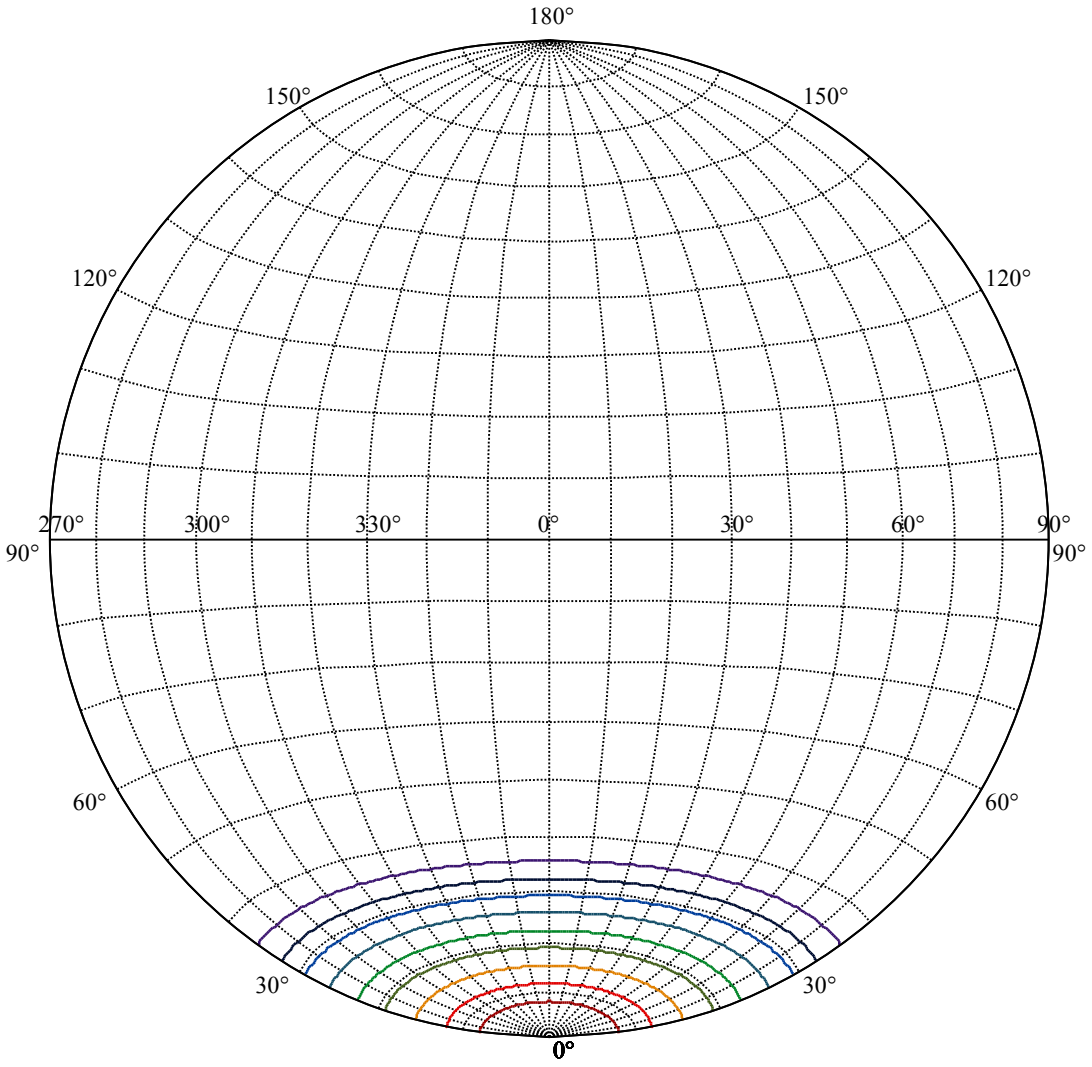
(10%Imax) 395.17
(20%Imax) 790.34
(30%Imax) 1185.51
(40%Imax) 1580.68
(50%Imax) 1975.85
(60%Imax) 2371.02
(70%Imax) 2766.19
(80%Imax) 3161.36
(90%Imax) 3556.53

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/30
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:3951.70

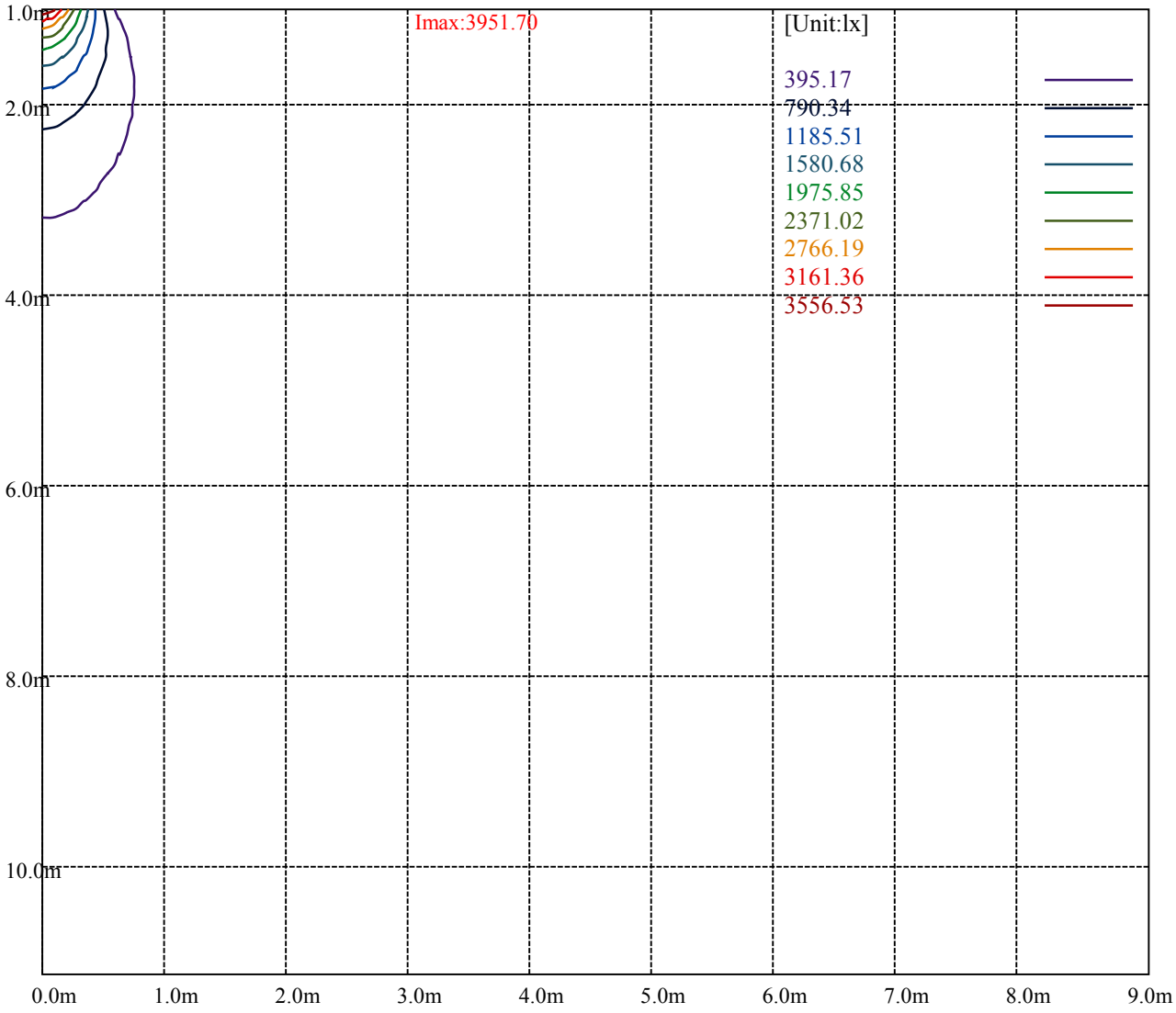
(10%Imax) 395.17
(20%Imax) 790.34
(30%Imax) 1185.51
(40%Imax) 1580.68
(50%Imax) 1975.85
(60%Imax) 2371.02
(70%Imax) 2766.19
(80%Imax) 3161.36
(90%Imax) 3556.53

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/30
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/30
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Nata 2-2569-L

Luminance Limitting Curve(no luminous side)

Luminance Table

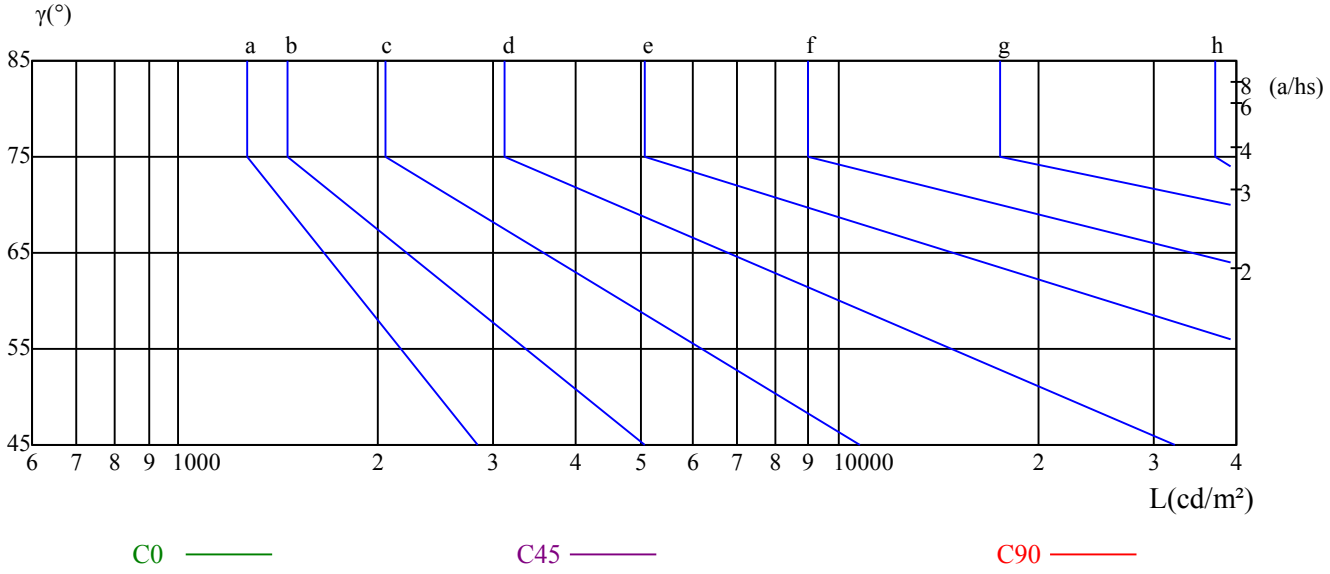
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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: GMS 1800
Temperature(°C): 25.0

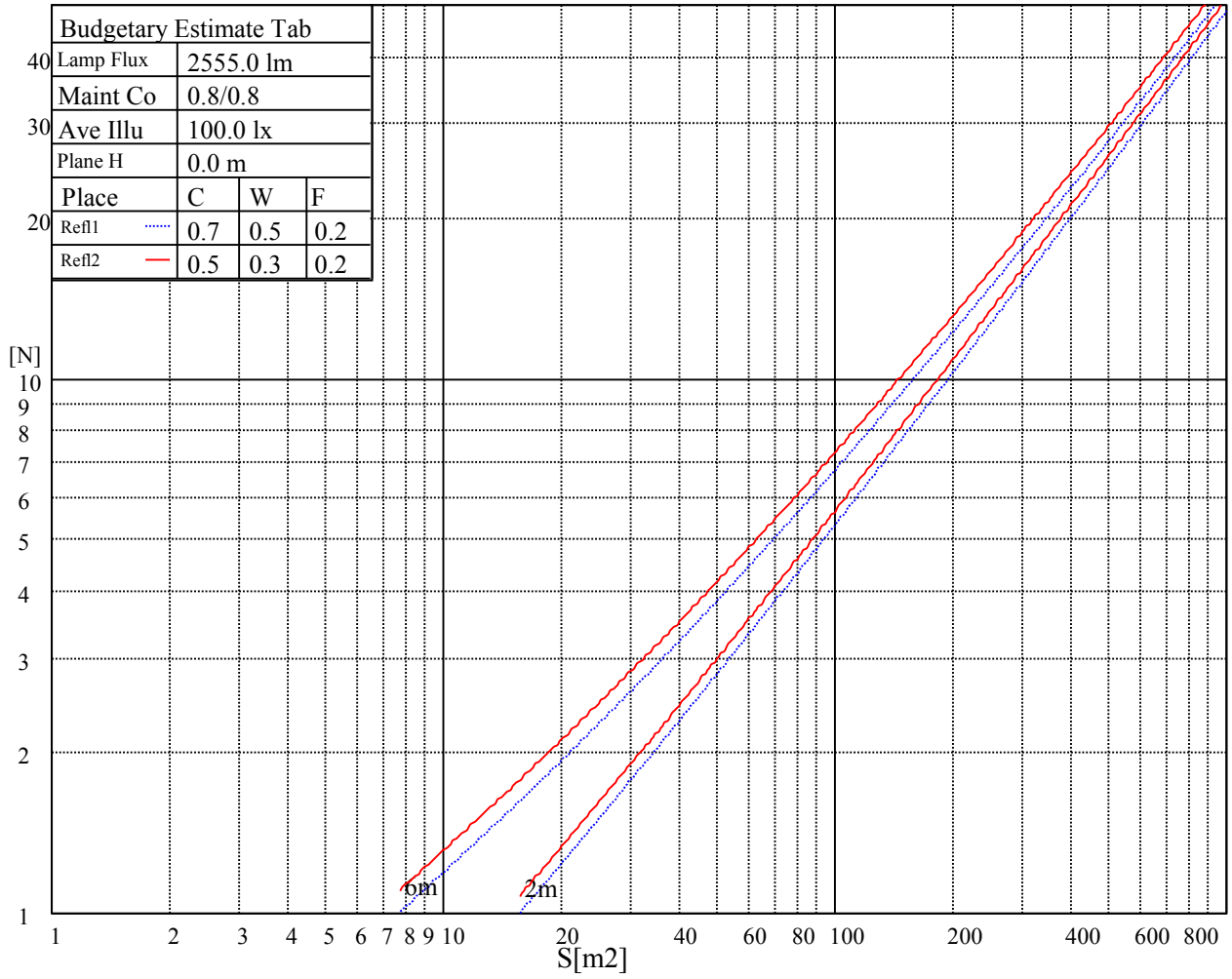
Date: 2024/8/30
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

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: GMS 1800
Temperature(°C): 25.0

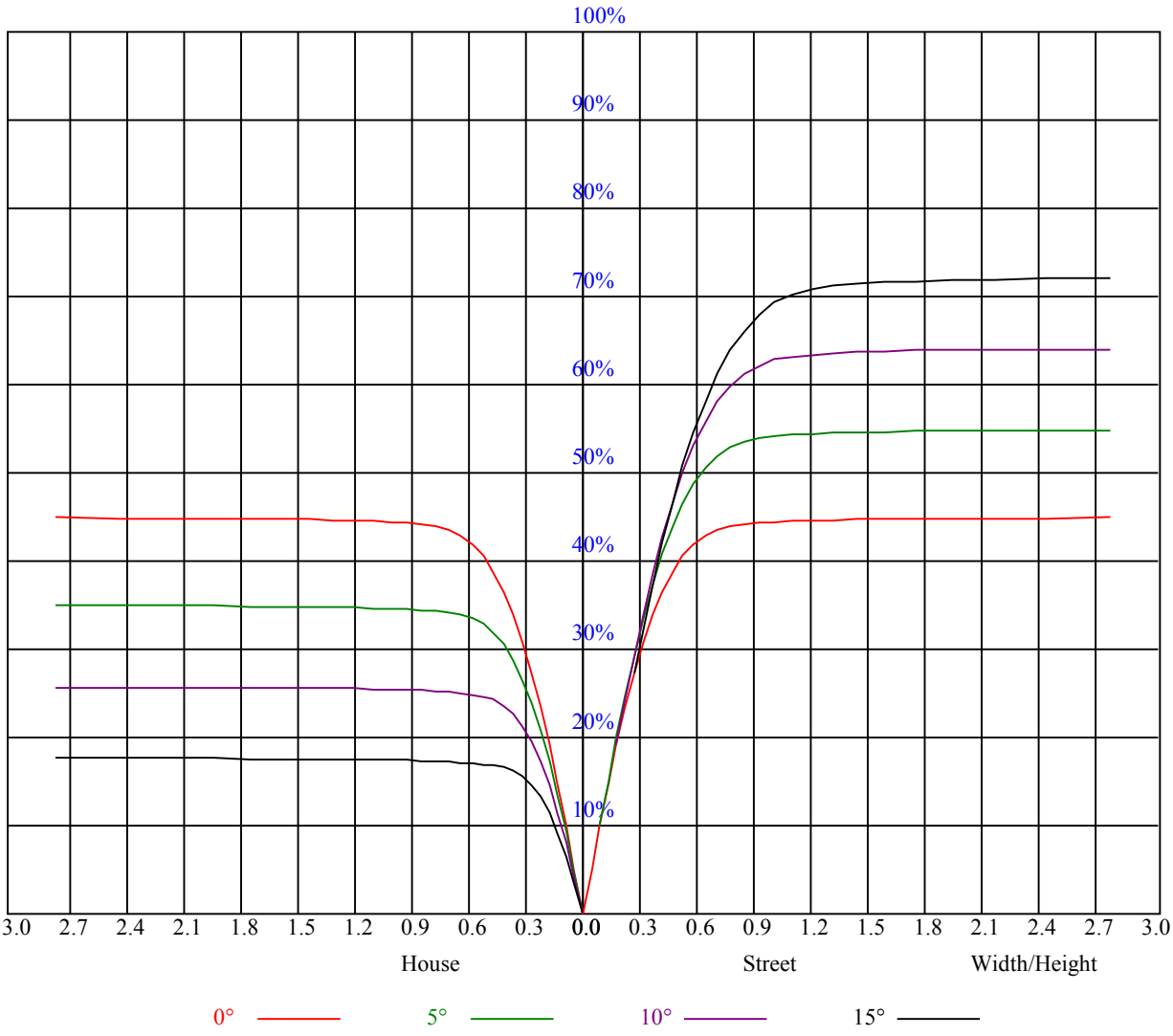
Date: 2024/8/30
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

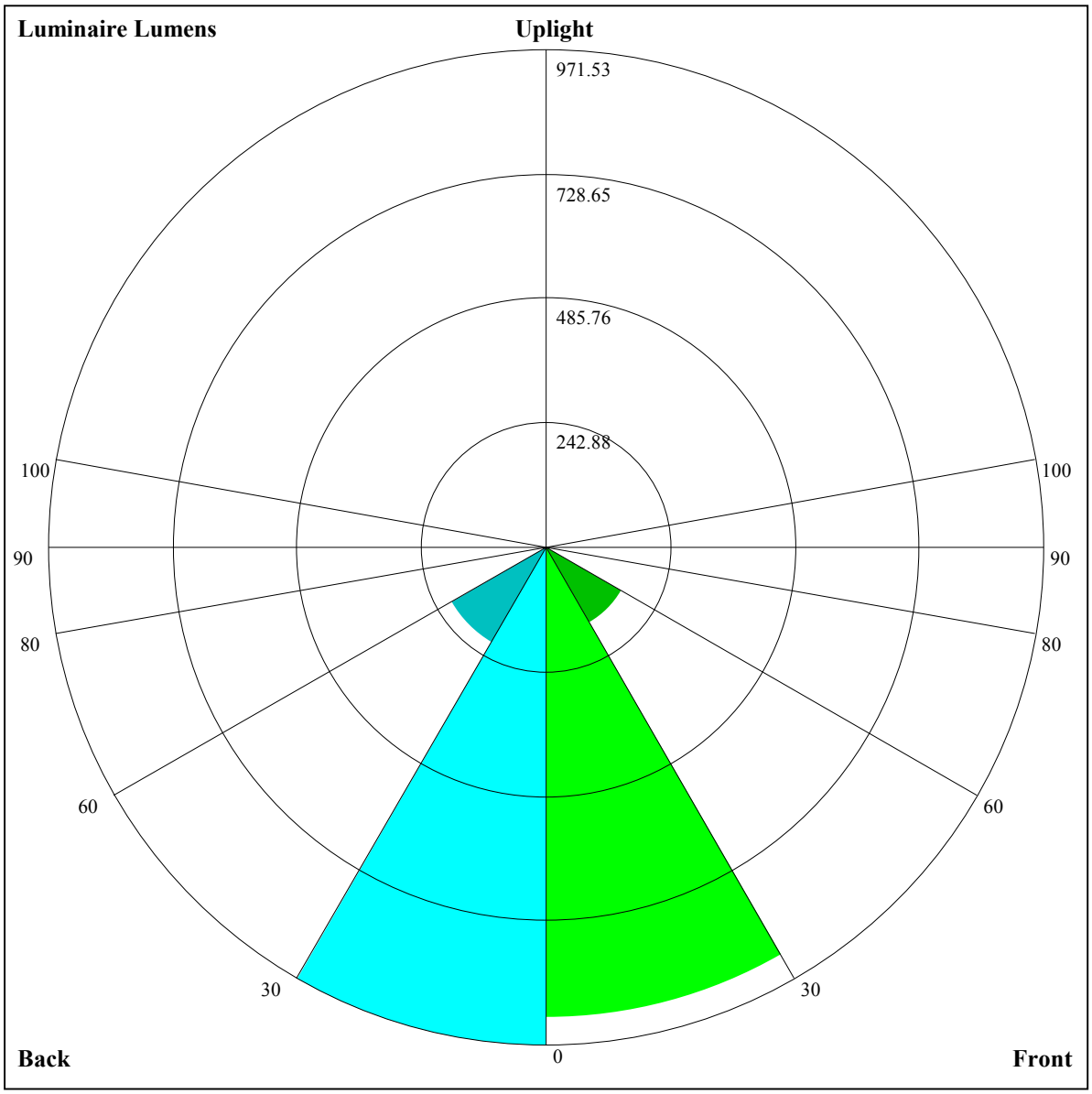
Utilization factor table for indoor luminaire

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	1.07	1.07	1.07	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.00	0.98	0.96	0.98	0.96	0.95	0.95	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.85
2	0.94	0.91	0.88	0.92	0.89	0.87	0.90	0.87	0.85	0.87	0.85	0.83	0.84	0.83	0.81	0.80
3	0.88	0.84	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.78	0.77	0.75
4	0.83	0.79	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.73	0.77	0.74	0.72	0.71
5	0.79	0.74	0.70	0.78	0.73	0.70	0.76	0.72	0.69	0.75	0.72	0.69	0.74	0.71	0.68	0.67
6	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.63
7	0.71	0.66	0.62	0.70	0.66	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.60
8	0.67	0.62	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.57
9	0.64	0.59	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.55	0.61	0.58	0.55	0.54
10	0.61	0.56	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.59	0.55	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS 1800	Date: 2024/8/30	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.25



Luminaire Lumens:
FL=917.53,FM=171.34,FH=8.24,FVH=0.92
BL=971.53,BM=214.5,BH=8.99,BVH=1.13
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	3945.03	3922.16	3866.44	3822.98	3765.58	3713.80	3623.50	3527.15	3429.65
45.0	3950.02	3956.69	3947.81	3939.45	3869.81	3825.76	3746.66	3621.29	3562.21
90.0	3970.10	3958.95	3924.37	3879.80	3811.31	3731.62	3643.00	3550.54	3444.68
135.0	3941.66	3965.63	3955.59	3924.95	3884.26	3832.44	3780.66	3716.01	3635.80
180.0	3945.03	3945.55	3966.73	3945.03	3923.84	3895.41	3856.41	3804.58	3722.69
225.0	3950.02	3944.45	3935.51	3913.80	3873.70	3820.77	3756.12	3660.87	3568.36
270.0	3970.10	3952.23	3938.88	3920.48	3879.80	3850.83	3766.73	3685.37	3637.43
315.0	3941.66	3927.73	3894.30	3858.09	3824.08	3752.80	3683.69	3577.82	3485.89
360.0	3945.03	3922.16	3866.44	3822.98	3765.58	3713.80	3623.50	3527.15	3429.65

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3319.32	3207.31	3088.10	2990.02	2872.49	2776.09	2674.12	2561.00	2446.26
45.0	3455.25	3347.18	3231.28	3125.42	3016.19	2915.90	2818.40	2712.54	2600.58
90.0	3328.20	3212.36	3094.20	3009.52	2887.52	2781.66	2693.04	2564.37	2475.22
135.0	3540.50	3435.75	3321.00	3210.10	3115.38	2970.52	2880.85	2771.62	2662.97
180.0	3650.26	3555.01	3458.61	3352.17	3240.22	3123.21	3008.99	2901.98	2796.69
225.0	3479.22	3375.56	3274.75	3162.74	3057.98	2989.49	2830.12	2728.73	2666.34
270.0	3523.79	3470.28	3386.71	3275.27	3165.00	3055.77	2938.19	2821.77	2710.33
315.0	3381.14	3324.32	3220.71	3084.74	3021.24	2903.66	2787.23	2663.55	2560.48
360.0	3319.32	3207.31	3088.10	2990.02	2872.49	2776.09	2674.12	2561.00	2446.26

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2325.89	2257.93	2074.06	1957.06	1835.59	1723.05	1653.41	1539.19	1415.51
45.0	2488.57	2368.78	2246.78	2112.49	1982.66	1852.30	1753.70	1616.61	1509.65
90.0	2355.96	2235.06	2109.18	1979.35	1865.65	1747.55	1637.22	1528.57	1410.46
135.0	2560.48	2454.62	2345.97	2223.92	2095.77	1976.56	1858.98	1754.80	1655.09
180.0	2691.94	2586.08	2488.05	2376.61	2309.18	2184.92	2067.39	1957.59	1852.88
225.0	2552.65	2430.07	2328.10	2213.35	2100.82	1992.70	1876.80	1767.05	1663.97
270.0	2590.54	2478.01	2380.50	2267.39	2149.81	2047.31	1930.88	1822.76	1754.22
315.0	2456.25	2347.07	2234.54	2111.96	1989.91	1870.12	1756.48	1646.73	1536.93
360.0	2325.89	2257.93	2074.06	1957.06	1835.59	1723.05	1653.41	1539.19	1415.51

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1084.68	1031.64	1003.10	856.03	716.11	585.34	466.39	361.26	266.86
45.0	1409.36	1255.03	1144.13	1008.20	875.59	734.61	600.37	481.68	371.35
90.0	1103.08	1074.01	1074.01	876.85	736.35	654.30	526.73	410.36	304.28
135.0	1544.76	1425.50	1294.04	1156.95	1073.38	872.80	732.41	649.94	475.53
180.0	1739.77	1634.43	1527.47	1395.43	1252.77	1116.85	975.35	831.01	692.30
225.0	1560.37	1445.57	1263.92	1080.95	1025.76	945.81	754.69	675.11	548.28
270.0	1609.36	1506.86	1442.21	1260.61	1177.56	1042.21	902.34	769.73	639.90
315.0	1419.92	1102.87	1042.68	1042.68	905.34	764.36	628.33	502.60	391.80
360.0	1084.68	1031.64	1003.10	856.03	716.11	585.34	466.39	361.26	266.86

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	204.84	142.97	120.37	102.34	85.10	76.11	66.70	58.92	52.35
45.0	311.17	311.17	140.55	112.64	96.93	89.20	77.95	65.49	60.81
90.0	218.71	158.06	121.73	103.60	89.93	78.79	69.49	61.55	54.88
135.0	406.47	306.18	306.18	159.00	124.84	105.97	91.30	79.79	70.12
180.0	559.69	439.32	334.61	296.72	296.72	129.41	111.54	95.03	81.94
225.0	432.90	325.31	238.27	172.83	131.41	109.22	93.67	81.10	71.01
270.0	517.90	405.36	303.39	303.39	146.96	115.74	99.24	86.26	75.58
315.0	293.93	214.19	155.43	121.95	104.55	90.83	79.37	70.12	61.97
360.0	204.84	142.97	120.37	102.34	85.10	76.11	66.70	58.92	52.35

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	46.68	41.73	37.53	33.85	30.80	28.33	26.07	24.02	22.39
45.0	54.30	48.62	43.52	38.84	34.69	31.70	28.96	26.75	24.65
90.0	48.94	43.84	39.16	35.32	31.96	29.28	26.91	24.81	23.34
135.0	61.92	55.03	49.09	44.84	39.16	35.22	32.54	29.75	27.39
180.0	71.64	62.81	55.45	49.30	43.94	39.00	34.80	31.27	28.44
225.0	62.23	54.93	48.57	43.00	37.79	35.22	30.07	27.33	25.86
270.0	66.60	61.71	54.98	46.73	43.57	38.69	34.69	31.27	28.38
315.0	55.19	51.56	44.21	39.53	37.11	33.32	30.12	27.49	25.12
360.0	46.68	41.73	37.53	33.85	30.80	28.33	26.07	24.02	22.39

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.66	19.24	17.92	16.77	15.66	14.56	14.03	12.88	12.35
45.0	22.81	21.29	19.76	18.40	17.08	15.93	14.93	13.93	13.04
90.0	21.50	19.61	18.50	17.19	16.08	14.98	13.98	13.09	12.30
135.0	25.28	23.39	21.71	20.18	18.82	17.66	16.56	15.51	14.61
180.0	26.07	23.97	22.02	20.34	19.50	17.61	16.40	15.82	14.40
225.0	22.86	21.81	20.13	18.71	17.40	16.24	15.19	14.24	13.40
270.0	26.02	23.81	21.87	20.29	18.87	17.66	16.56	15.45	14.56
315.0	22.92	20.97	19.24	17.87	16.66	15.61	14.72	13.77	12.93
360.0	20.66	19.24	17.92	16.77	15.66	14.56	14.03	12.88	12.35

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	11.62	10.88	10.20	9.46	8.83	8.04	7.46	6.89	6.41
45.0	12.35	11.35	10.78	10.14	9.30	8.73	8.09	7.62	6.99
90.0	11.46	10.72	10.14	9.46	8.83	8.20	7.62	7.10	6.62
135.0	13.77	12.93	12.19	11.46	10.72	10.09	9.46	9.04	8.25
180.0	13.88	13.04	12.30	11.56	10.83	10.25	9.62	9.04	8.41
225.0	12.62	11.83	11.14	10.57	9.88	9.30	8.73	8.25	7.73
270.0	13.67	12.93	12.14	11.46	11.09	10.35	9.57	9.30	8.62
315.0	12.14	11.41	10.83	10.14	9.83	8.94	8.46	8.04	7.52
360.0	11.62	10.88	10.20	9.46	8.83	8.04	7.46	6.89	6.41

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.89	5.41	4.94	4.57	4.10	3.68	3.26	2.89	2.52
45.0	6.47	5.99	5.57	5.10	4.63	4.10	3.73	3.31	2.89
90.0	6.04	5.62	5.15	4.84	4.21	3.99	3.57	3.15	2.79
135.0	7.88	7.41	6.89	6.41	5.94	5.47	4.94	4.57	4.15
180.0	7.78	7.31	6.78	6.25	5.83	5.31	4.89	4.68	4.05
225.0	7.25	6.68	6.25	5.78	5.41	4.94	4.52	4.05	3.68
270.0	7.94	7.41	6.94	6.47	5.94	5.47	4.99	4.52	4.05
315.0	6.89	6.47	5.99	5.52	4.99	4.57	4.15	3.78	3.31
360.0	5.89	5.41	4.94	4.57	4.10	3.68	3.26	2.89	2.52

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.16	1.89	1.68	1.42	1.26	1.05	0.89	0.68	0.68
45.0	2.47	2.21	1.89	1.58	1.31	1.21	1.00	0.79	0.68
90.0	2.26	2.00	1.89	1.52	1.37	1.21	1.00	0.84	0.68
135.0	3.73	3.31	2.89	2.47	2.16	1.94	1.73	1.47	1.26
180.0	3.63	3.26	2.79	2.47	2.10	1.79	1.52	1.31	1.16
225.0	3.31	2.89	2.63	2.21	1.94	1.73	1.42	1.21	1.05
270.0	3.63	3.26	2.79	2.37	2.10	1.79	1.52	1.26	1.10
315.0	2.94	2.68	2.21	1.94	1.73	1.42	1.16	0.95	0.79
360.0	2.16	1.89	1.68	1.42	1.26	1.05	0.89	0.68	0.68

Intensity data(cd)

C/γ(°)	90.0
0.0	0.68
45.0	0.63
90.0	0.79
135.0	0.79
180.0	0.95
225.0	0.95
270.0	0.84
315.0	0.58
360.0	0.68