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Nata

Client:
LumCAT: 2-2759-L
Luminaire: 92.70.412.00
Report No: 2024814-B024
Ballast type: AC

Test No: 2024814-C024	Voltage(V): 34.630
LampCAT: LUMINUS CXM-14-AC40	Current(A): 0.694
Lamp flux(lm): 3147.0	Power (W): 24.000
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2906.56, Efficiency(%): 92.36% , Luminous Efficacy(lm/W): 121.11
Central intensity(cd): 6006.791, Maximum intensity(cd): 6006.791
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=38.4
[C90/270]Total=38.4
Field angle(10%Imax): [C0/180]Total=68.8
[C90/270]Total=68.8
Maximum s/h(1/2): C0_180=0.61 C90_270=0.61
Maximum s/h(1/4): C0_180=0.65 C90_270=0.65
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.36%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.265%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6006.790	0.000	0	0.00%	0.00%
1.0	5994.950	5.743	5.743	0.18%	0.20%
2.0	5958.459	17.157	22.899	0.55%	0.79%
3.0	5898.905	28.359	51.258	0.90%	1.76%
4.0	5830.443	39.262	90.52	1.25%	3.11%
5.0	5718.741	49.684	140.204	1.58%	4.82%
6.0	5601.526	59.491	199.695	1.89%	6.87%
7.0	5454.082	68.622	268.317	2.18%	9.23%
8.0	5284.713	76.856	345.173	2.44%	11.88%
9.0	5097.570	84.143	429.315	2.67%	14.77%
10.0	4898.181	90.458	519.773	2.87%	17.88%
11.0	4692.504	95.831	615.604	3.05%	21.18%
12.0	4489.843	100.376	715.98	3.19%	24.63%
13.0	4283.614	104.119	820.099	3.31%	28.22%
14.0	4076.077	107.003	927.102	3.40%	31.90%
15.0	3860.604	108.958	1036.06	3.46%	35.65%
16.0	3651.944	110.080	1146.14	3.50%	39.43%
17.0	3432.548	110.325	1256.465	3.51%	43.23%
18.0	3241.510	110.041	1366.506	3.50%	47.01%
19.0	3037.666	109.245	1475.75	3.47%	50.77%
20.0	2817.100	107.158	1582.909	3.41%	54.46%
21.0	2624.249	104.485	1687.394	3.32%	58.05%
22.0	2450.208	101.973	1789.367	3.24%	61.56%
23.0	2261.883	98.872	1888.24	3.14%	64.96%
24.0	2085.062	95.040	1983.279	3.02%	68.23%
25.0	1952.795	91.812	2075.091	2.92%	71.39%
26.0	1791.987	88.396	2163.487	2.81%	74.43%
27.0	1662.039	84.504	2247.991	2.69%	77.34%
28.0	1489.273	79.785	2327.775	2.54%	80.09%
29.0	1343.084	74.102	2401.878	2.35%	82.64%
30.0	1171.388	67.890	2469.768	2.16%	84.97%
31.0	1058.977	62.068	2531.836	1.97%	87.11%
32.0	922.347	56.763	2588.599	1.80%	89.06%
33.0	780.317	50.161	2638.76	1.59%	90.79%
34.0	648.450	43.239	2681.998	1.37%	92.27%
35.0	529.994	36.598	2718.596	1.16%	93.53%
36.0	418.733	30.208	2748.804	0.96%	94.57%
37.0	332.044	24.486	2773.29	0.78%	95.41%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	266.406	19.975	2793.266	0.63%	96.10%
39.0	179.619	15.224	2808.49	0.48%	96.63%
40.0	156.117	11.709	2820.199	0.37%	97.03%
41.0	112.536	9.567	2829.766	0.30%	97.36%
42.0	79.540	6.978	2836.744	0.22%	97.60%
43.0	68.095	5.469	2842.213	0.17%	97.79%
44.0	58.988	4.796	2847.009	0.15%	97.95%
45.0	52.267	4.276	2851.285	0.14%	98.10%
46.0	46.393	3.858	2855.143	0.12%	98.23%
47.0	41.216	3.484	2858.628	0.11%	98.35%
48.0	36.597	3.146	2861.773	0.10%	98.46%
49.0	32.733	2.847	2864.621	0.09%	98.56%
50.0	29.415	2.591	2867.212	0.08%	98.65%
51.0	26.689	2.374	2869.585	0.08%	98.73%
52.0	24.350	2.190	2871.776	0.07%	98.80%
53.0	22.438	2.035	2873.811	0.06%	98.87%
54.0	20.762	1.904	2875.715	0.06%	98.94%
55.0	19.343	1.790	2877.505	0.06%	99.00%
56.0	18.062	1.690	2879.195	0.05%	99.06%
57.0	16.997	1.603	2880.798	0.05%	99.11%
58.0	15.959	1.524	2882.322	0.05%	99.17%
59.0	15.302	1.461	2883.784	0.05%	99.22%
60.0	14.639	1.415	2885.198	0.04%	99.27%
61.0	14.126	1.373	2886.571	0.04%	99.31%
62.0	13.495	1.331	2887.902	0.04%	99.36%
63.0	13.016	1.289	2889.191	0.04%	99.40%
64.0	12.464	1.250	2890.442	0.04%	99.45%
65.0	11.859	1.204	2891.645	0.04%	99.49%
66.0	11.268	1.154	2892.799	0.04%	99.53%
67.0	10.644	1.102	2893.901	0.04%	99.56%
68.0	10.053	1.048	2894.949	0.03%	99.60%
69.0	9.481	0.997	2895.946	0.03%	99.63%
70.0	8.844	0.941	2896.887	0.03%	99.67%
71.0	8.200	0.881	2897.768	0.03%	99.70%
72.0	7.622	0.823	2898.591	0.03%	99.73%
73.0	7.149	0.772	2899.363	0.02%	99.75%
74.0	6.682	0.727	2900.09	0.02%	99.78%
75.0	6.262	0.684	2900.774	0.02%	99.80%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.861	0.643	2901.418	0.02%	99.82%
77.0	5.460	0.604	2902.021	0.02%	99.84%
78.0	5.085	0.565	2902.586	0.02%	99.86%
79.0	4.698	0.526	2903.111	0.02%	99.88%
80.0	4.336	0.487	2903.598	0.02%	99.90%
81.0	3.922	0.447	2904.045	0.01%	99.91%
82.0	3.555	0.405	2904.45	0.01%	99.93%
83.0	3.180	0.366	2904.816	0.01%	99.94%
84.0	2.884	0.330	2905.147	0.01%	99.95%
85.0	2.589	0.299	2905.446	0.01%	99.96%
86.0	2.346	0.270	2905.715	0.01%	99.97%
87.0	2.122	0.245	2905.96	0.01%	99.98%
88.0	1.905	0.221	2906.18	0.01%	99.99%
89.0	1.702	0.198	2906.378	0.01%	99.99%
90.0	1.590	0.180	2906.559	0.01%	100.00%

Zonal flux distribution table

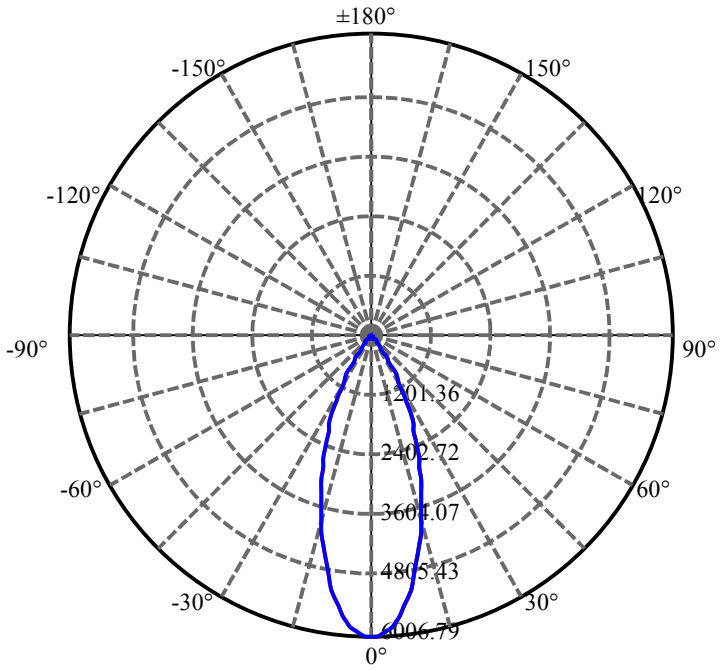
ZONAL LUMEN SUMMARY

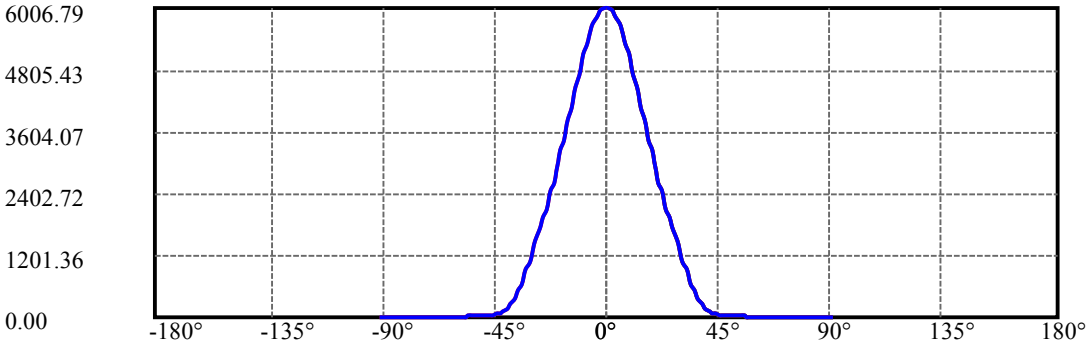
Zone	Lumens	%Lamp	%Fixt
0-30	2469.77	78.48%	84.97%
0-40	2820.20	89.62%	97.03%
0-60	2885.20	91.68%	99.27%
0-90	2906.38	92.35%	99.99%
0-120	2906.38	92.35%	99.99%
0-180	2906.56	92.36%	100.00%
60-90	21.18	0.67%	0.73%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.97	2325.25	73.89%	80.00%

ZONAL LUMEN SUMMARY

0-10	519.77
10-20	1063.14
20-30	886.86
30-40	350.43
40-50	47.01
50-60	17.99
60-70	11.69
70-80	6.71
80-90	2.78
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):

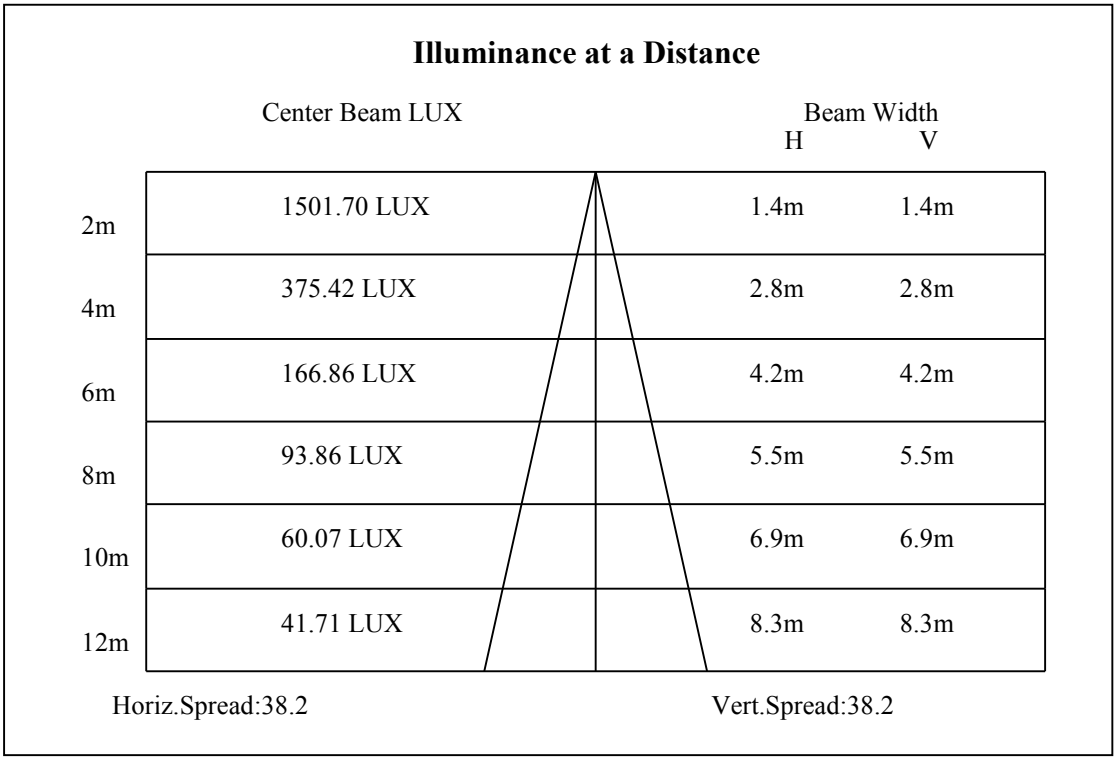
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:34.4 Right:34.4
:C90/270Left:34.4 Right:34.4

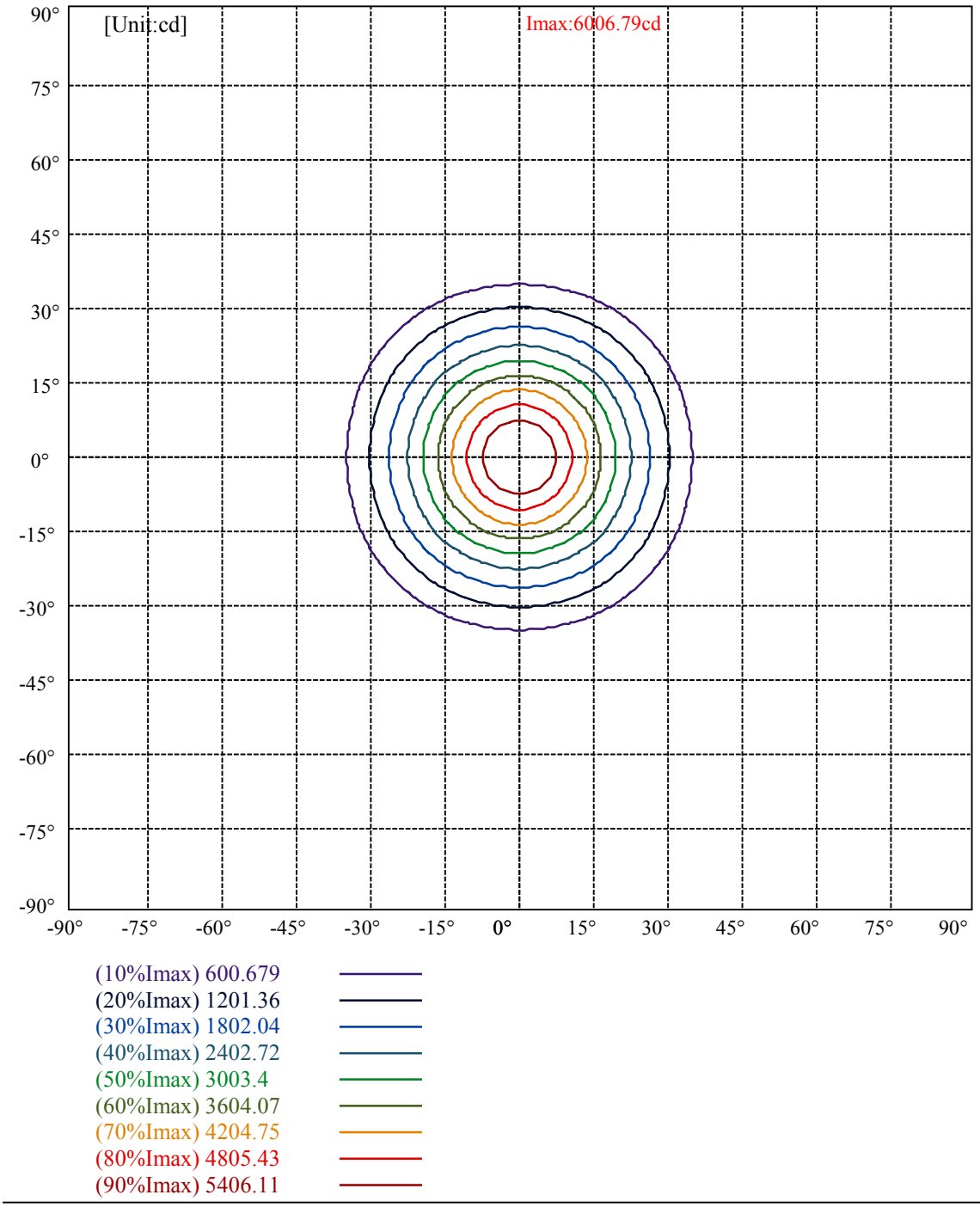
Beam Angle(50%Imax):C0/180Left:19.2 Right:19.2
:C90/270Left:19.2 Right:19.2

Lux distance Curve



Equipment: GMS 1800
Temperature(°C): 25.0
Date: 2024/8/14
Humidity(%): 60.0%
Operator: NT
Distance(m): 7.25

ISO-Intensity(V-H)

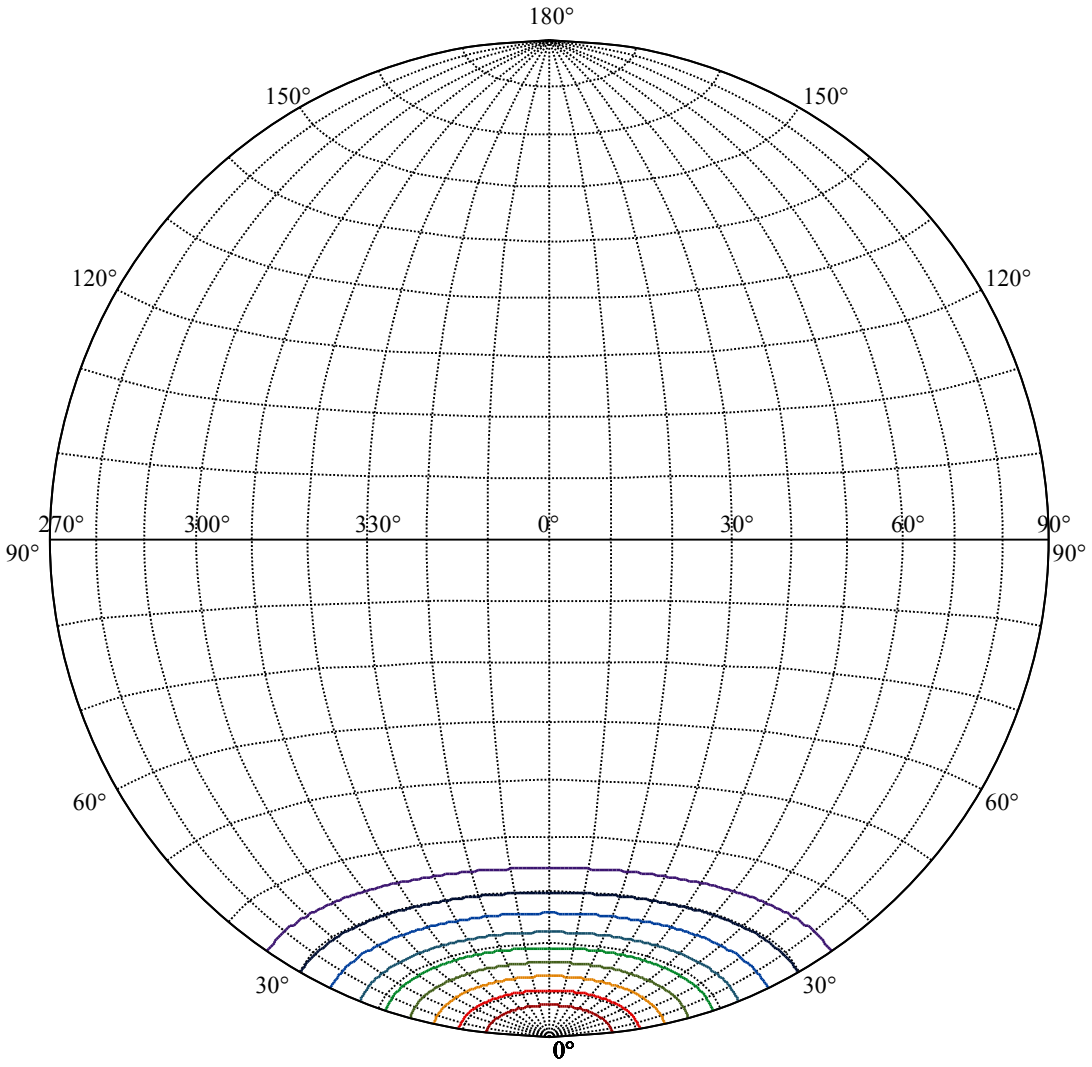


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web

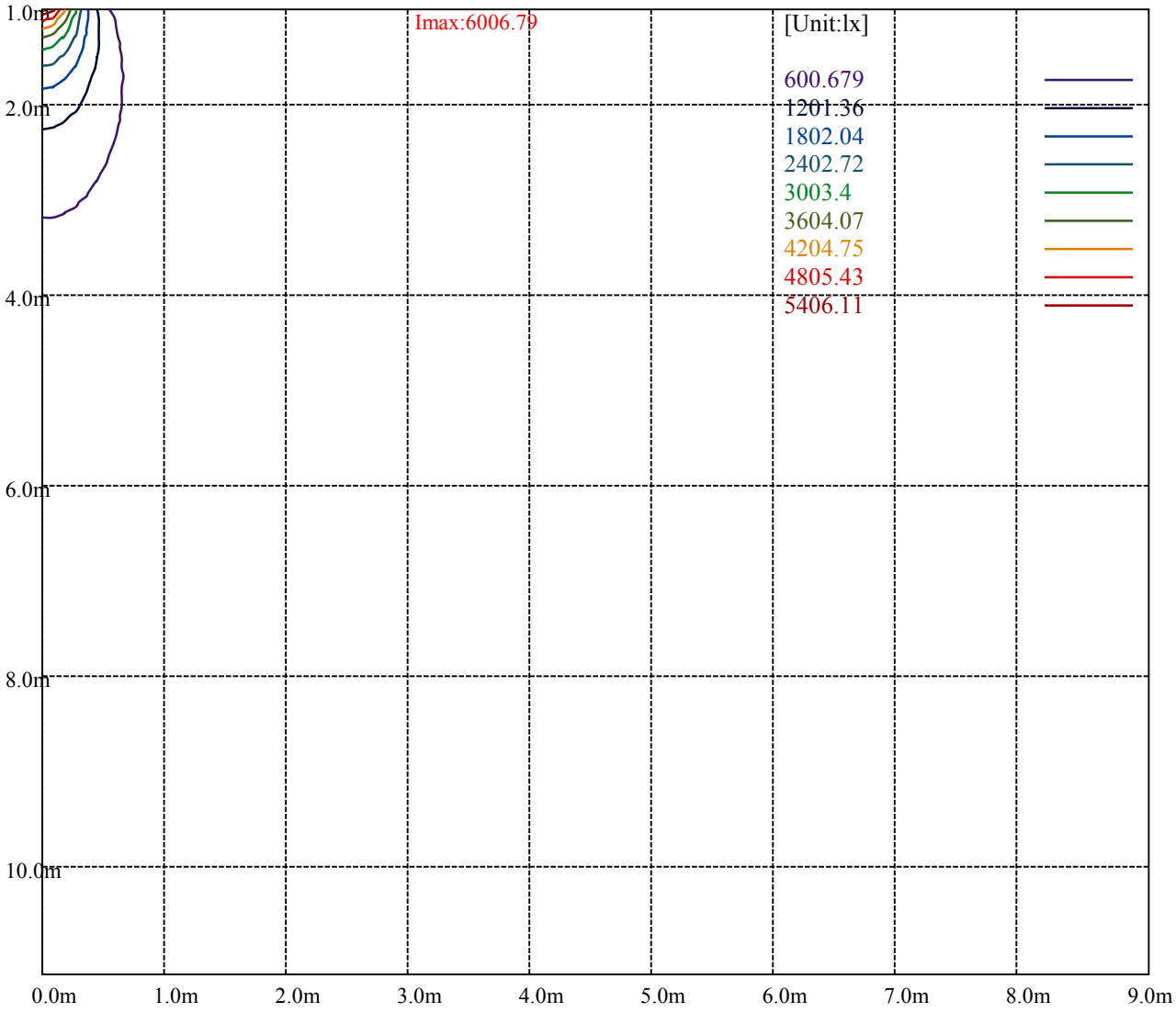


House [Unit:cd] Road

Imax:6006.79

(10%Imax) 600.679
(20%Imax) 1201.36
(30%Imax) 1802.04
(40%Imax) 2402.72
(50%Imax) 3003.4
(60%Imax) 3604.07
(70%Imax) 4204.75
(80%Imax) 4805.43
(90%Imax) 5406.11

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Luminance Limitting Curve(no luminous side)

Luminance Table

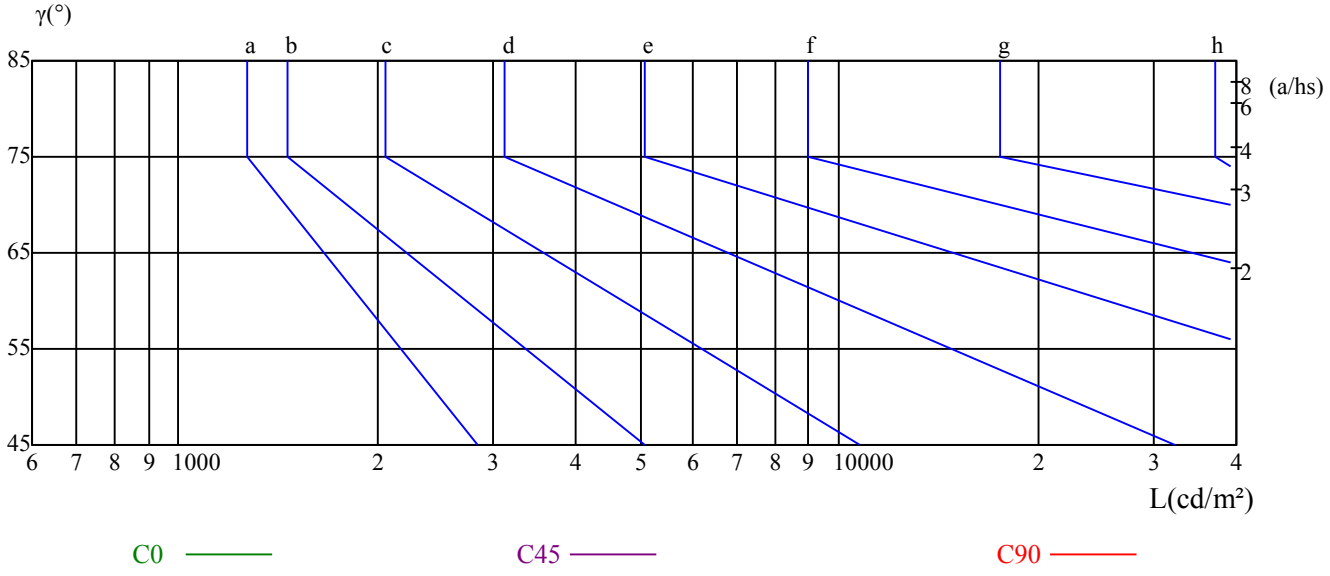
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

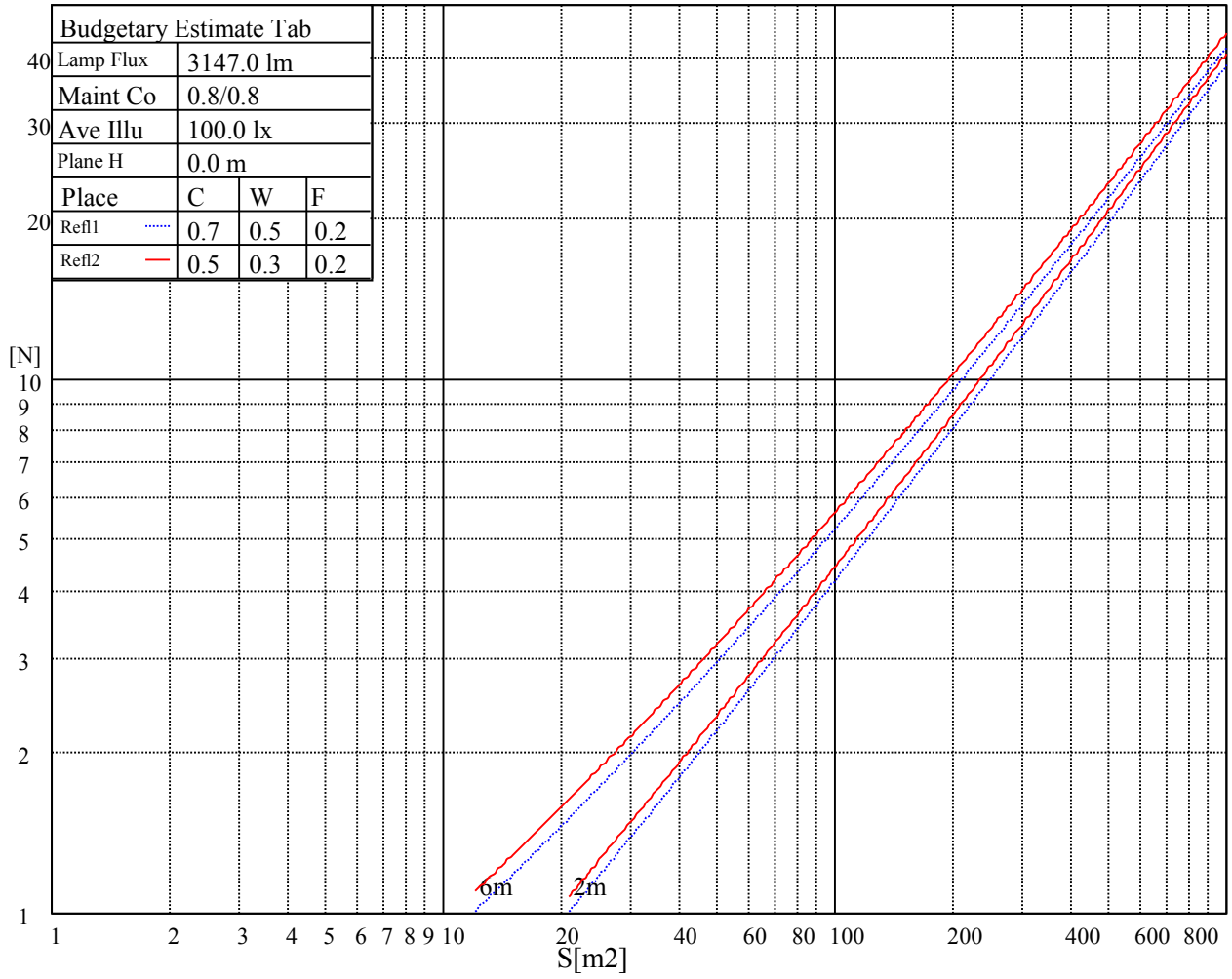


UGR Glare

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

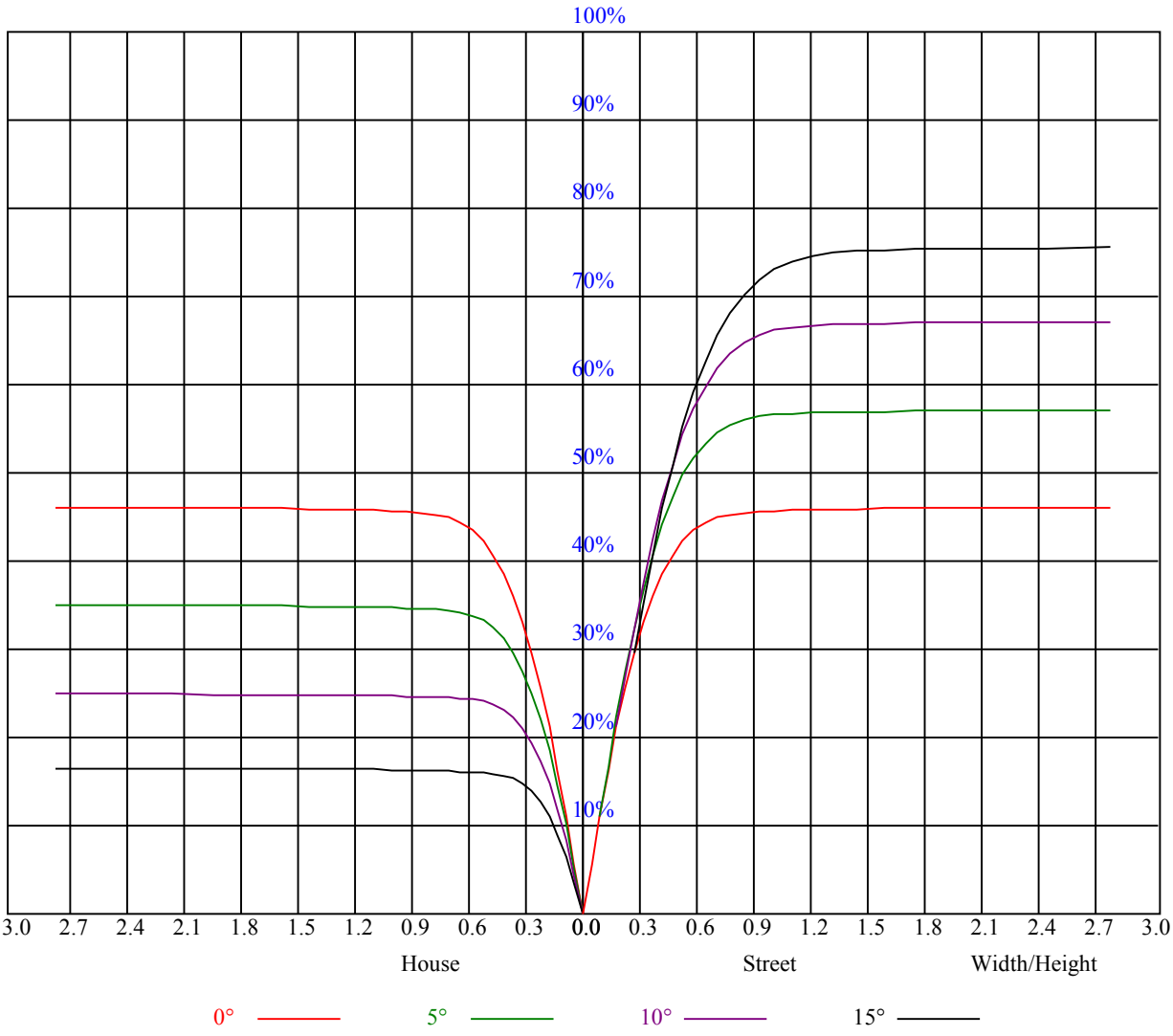
Date: 2024/8/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

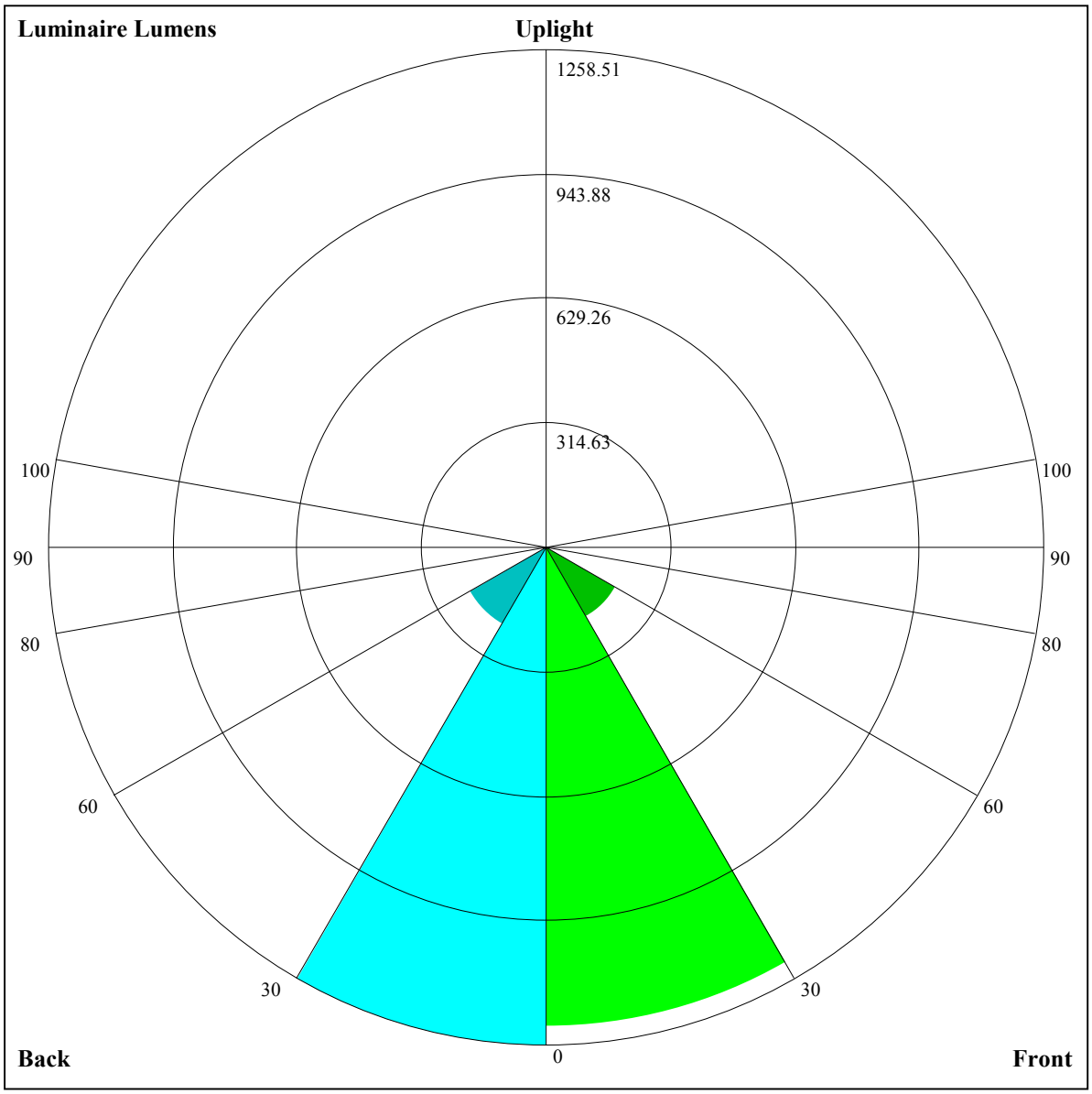
Utilization factor table for indoor luminaire

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	1.10	1.10	1.10	1.07	1.07	1.07	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.03	1.01	0.99	1.01	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.87
2	0.97	0.94	0.91	0.95	0.92	0.90	0.92	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.84	0.83
3	0.91	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.81	0.80	0.78
4	0.86	0.82	0.79	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.80	0.78	0.75	0.74
5	0.82	0.77	0.74	0.81	0.77	0.73	0.80	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.70
6	0.78	0.73	0.70	0.77	0.73	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.67
7	0.74	0.69	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	0.64
8	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.61
9	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.58
10	0.65	0.60	0.57	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.55

Coefficient Utilization Curve



Equipment: GMS 1800	Date: 2024/8/14	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.25



Luminaire Lumens:
FL=1213.44,FM=201.71,FH=9.36,FVH=1.47
BL=1258.51,BM=224.17,BH=9,BVH=1.49
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	5973.10	5932.94	5841.01	5752.44	5652.73	5483.90	5351.28	5160.74	4968.52
45.0	6011.52	6003.74	5965.27	5868.87	5755.23	5638.22	5496.72	5296.67	5081.64
90.0	6003.74	5967.53	5844.95	5733.52	5649.94	5482.79	5315.07	5108.92	4904.45
135.0	6038.80	6029.34	6008.73	5941.30	5864.98	5751.34	5586.97	5471.65	5300.03
180.0	5973.10	5975.31	5985.34	5960.27	5926.26	5866.66	5793.12	5685.00	5532.94
225.0	6011.52	6004.85	5981.45	5954.12	5934.62	5818.20	5754.12	5627.08	5471.07
270.0	6003.74	6017.09	6031.60	6020.46	5985.87	5936.88	5867.24	5772.52	5664.40
315.0	6038.80	6028.81	6009.31	5960.27	5873.91	5771.94	5647.68	5510.07	5354.65
360.0	5973.10	5932.94	5841.01	5752.44	5652.73	5483.90	5351.28	5160.74	4968.52

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4772.94	4565.68	4357.33	4160.64	3963.37	3775.62	3564.47	3359.43	3152.70
45.0	4863.77	4659.30	4454.25	4247.00	4035.28	3818.51	3619.09	3464.18	3218.45
90.0	4683.27	4472.65	4247.52	4035.80	3825.76	3627.44	3401.21	3193.38	3009.52
135.0	5097.20	4887.73	4677.12	4471.54	4249.21	4023.55	3809.62	3589.55	3371.67
180.0	5363.00	5176.36	4986.34	4781.87	4583.50	4366.79	4145.03	3928.31	3696.51
225.0	5303.92	5105.03	4899.40	4696.04	4491.57	4279.85	4050.31	3822.45	3575.62
270.0	5532.94	5359.64	5162.95	4966.84	4769.63	4577.41	4358.43	4134.99	3929.94
315.0	5163.53	4959.06	4755.12	4559.01	4350.60	4139.45	3936.67	3723.26	3505.97
360.0	4772.94	4565.68	4357.33	4160.64	3963.37	3775.62	3564.47	3359.43	3152.70

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2945.44	2751.02	2543.18	2361.00	2198.85	2046.73	1913.59	1830.02	1651.15
45.0	3031.28	2885.84	2693.04	2504.76	2316.43	2135.35	1969.88	1825.55	1701.29
90.0	2817.30	2625.65	2442.32	2266.81	2104.71	1964.84	1832.80	1733.62	1600.48
135.0	3152.70	2939.87	2733.20	2538.72	2353.17	2236.74	1998.85	1909.12	1773.20
180.0	3459.14	3314.85	2992.28	2769.94	2645.16	2422.29	2230.07	2040.63	1877.95
225.0	3348.28	3134.35	2922.05	2696.98	2558.80	2262.92	2089.10	1991.01	1764.26
270.0	3800.69	3567.78	3258.03	3118.17	2890.83	2685.26	2483.00	2285.21	2103.03
315.0	3377.25	3081.95	2952.70	2737.61	2533.72	2340.92	2163.21	2007.20	1864.55
360.0	2945.44	2751.02	2543.18	2361.00	2198.85	2046.73	1913.59	1830.02	1651.15

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1565.94	1405.47	1084.52	1084.52	925.36	774.93	633.17	503.65	384.55
45.0	1555.90	1400.42	1244.42	1083.42	931.88	783.65	645.47	520.68	407.04
90.0	1443.37	1054.72	1054.72	958.74	809.78	669.80	540.97	421.29	310.80
135.0	1650.62	1512.43	1355.85	1195.95	1039.95	895.09	758.06	624.86	505.65
180.0	1739.77	1609.94	1482.37	1341.40	1195.95	1057.24	914.06	783.65	661.66
225.0	1671.80	1535.30	1413.25	1098.87	1098.87	980.03	835.80	704.71	583.08
270.0	1946.44	1806.05	1672.33	1540.87	1402.68	1245.00	1090.09	943.02	802.63
315.0	1722.47	1589.86	1437.22	1067.33	1067.33	973.04	824.92	685.73	584.55
360.0	1565.94	1405.47	1084.52	1084.52	925.36	774.93	633.17	503.65	384.55

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	285.41	202.37	137.61	108.28	88.67	78.53	68.02	60.50	53.98
45.0	311.17	294.46	294.46	141.39	110.22	94.03	80.68	70.01	61.50
90.0	217.82	148.44	107.81	96.03	82.89	67.12	62.13	55.61	47.67
135.0	391.43	326.26	326.26	130.67	100.39	84.52	70.70	62.81	56.03
180.0	542.39	428.17	320.68	281.10	281.10	108.23	87.04	74.53	63.34
225.0	468.28	358.74	259.87	177.66	139.87	90.04	80.74	68.33	58.34
270.0	669.44	546.33	430.43	324.00	324.00	284.99	107.91	84.84	71.85
315.0	463.92	351.59	254.14	177.82	121.79	92.83	79.11	68.12	59.19
360.0	285.41	202.37	137.61	108.28	88.67	78.53	68.02	60.50	53.98

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	48.04	42.89	38.11	34.06	30.49	27.49	25.23	23.29	21.55
45.0	54.19	47.62	42.10	37.21	33.06	29.59	26.81	24.49	22.50
90.0	44.63	40.05	36.06	32.48	29.59	27.07	25.12	23.39	21.92
135.0	50.04	44.78	40.16	36.06	32.75	29.91	27.39	25.28	23.44
180.0	56.29	50.20	44.57	39.68	35.48	31.91	28.80	26.12	24.07
225.0	51.67	45.73	40.16	34.95	30.70	27.12	24.13	21.60	19.66
270.0	60.66	53.04	46.78	41.21	36.48	32.17	28.65	25.49	23.13
315.0	52.62	46.83	41.79	37.11	33.32	30.07	27.39	25.12	23.23
360.0	48.04	42.89	38.11	34.06	30.49	27.49	25.23	23.29	21.55

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.03	18.66	17.29	16.19	15.40	14.93	14.51	14.09	13.56
45.0	20.81	19.61	18.08	17.08	16.03	15.30	14.82	14.61	14.09
90.0	20.55	19.13	17.98	16.93	16.03	15.30	14.61	14.14	13.30
135.0	21.87	20.66	19.45	18.24	17.24	16.71	15.51	14.72	14.30
180.0	22.18	20.55	19.13	17.92	17.24	15.87	15.35	14.56	13.51
225.0	17.98	16.45	15.30	14.35	13.46	12.88	12.30	12.09	11.46
270.0	21.03	19.34	17.77	16.98	15.45	15.09	14.40	13.98	13.56
315.0	21.66	20.34	19.50	18.29	16.82	16.35	15.61	14.82	14.19
360.0	20.03	18.66	17.29	16.19	15.40	14.93	14.51	14.09	13.56

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.30	12.72	12.19	11.62	11.20	10.67	10.25	9.41	8.57
45.0	13.67	13.14	12.56	11.98	11.35	11.04	10.51	10.09	8.94
90.0	12.67	11.83	11.09	10.41	9.83	9.20	8.62	8.09	7.78
135.0	13.40	12.88	12.14	11.30	10.46	9.72	9.15	8.46	7.94
180.0	13.09	12.51	11.98	11.25	10.51	9.83	9.25	8.57	7.94
225.0	11.20	10.78	10.14	9.88	9.46	8.99	8.46	7.88	7.46
270.0	13.25	12.98	12.56	12.19	11.51	10.78	10.09	9.41	8.62
315.0	13.56	12.88	12.19	11.51	10.83	10.20	9.51	8.83	8.36
360.0	13.30	12.72	12.19	11.62	11.20	10.67	10.25	9.41	8.57

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.88	7.36	6.73	6.15	5.68	5.20	4.84	4.47	3.99
45.0	7.99	7.31	6.78	6.25	5.99	5.52	4.99	4.68	4.21
90.0	7.25	6.68	6.10	5.62	5.20	4.73	4.31	3.89	3.57
135.0	7.52	7.15	6.78	6.41	5.99	5.62	5.20	4.78	4.63
180.0	7.46	7.10	6.73	6.25	5.94	5.62	5.20	4.99	4.52
225.0	7.10	6.73	6.36	6.04	5.73	5.31	4.94	4.63	4.31
270.0	7.88	7.36	6.94	6.57	6.15	5.83	5.57	5.15	4.68
315.0	7.88	7.52	7.04	6.78	6.20	5.83	5.62	4.99	4.78
360.0	7.88	7.36	6.73	6.15	5.68	5.20	4.84	4.47	3.99

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.68	3.36	3.00	2.68	2.42	2.16	2.00	1.79	1.52
45.0	3.78	3.26	2.94	2.63	2.37	2.10	1.84	1.68	1.42
90.0	3.15	2.84	2.63	2.26	2.10	2.00	1.84	1.58	1.47
135.0	3.99	3.68	3.15	3.00	2.68	2.37	2.16	2.00	1.79
180.0	4.26	3.84	3.31	3.15	2.79	2.42	2.21	2.00	1.84
225.0	3.89	3.57	3.21	2.89	2.52	2.37	2.16	1.94	1.73
270.0	4.36	3.99	3.57	3.21	2.84	2.63	2.31	2.05	1.84
315.0	4.26	3.89	3.63	3.26	3.00	2.73	2.47	2.21	2.00
360.0	3.68	3.36	3.00	2.68	2.42	2.16	2.00	1.79	1.52

Intensity data(cd)

C/γ(°)	90.0
0.0	1.73
45.0	1.37
90.0	1.52
135.0	1.42
180.0	1.52
225.0	1.52
270.0	1.68
315.0	1.94
360.0	1.73