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Nata

Client:
LumCAT: 2-2569-L
Luminaire: 92.70.412.00
Report No: 2024819-B007
Ballast type: AC

Test No: 2024819-C007	Voltage(V): 36.630
LampCAT: CREE CXA1830 LES14	Current(A): 0.795
Lamp flux(lm): 3681.0	Power (W): 29.120
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3332.42, Efficiency(%): 90.53% , Luminous Efficacy(lm/W): 114.44
Central intensity(cd): 5345.988, Maximum intensity(cd): 5345.988
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=48.0
[C90/270]Total=48.0
Field angle(10%Imax): [C0/180]Total=72.8
[C90/270]Total=72.8
Maximum s/h(1/2): C0_180=0.75 C90_270=0.75
Maximum s/h(1/4): C0_180=0.76 C90_270=0.76
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 90.53%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.240%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5345.987	0.000	0	0.00%	0.00%
1.0	5336.092	5.111	5.111	0.14%	0.15%
2.0	5321.204	15.296	20.408	0.42%	0.61%
3.0	5300.862	25.404	45.812	0.69%	1.37%
4.0	5268.753	35.380	81.192	0.96%	2.44%
5.0	5218.681	45.116	126.308	1.23%	3.79%
6.0	5157.393	54.529	180.837	1.48%	5.43%
7.0	5075.422	63.515	244.352	1.73%	7.33%
8.0	4975.271	71.931	316.283	1.95%	9.49%
9.0	4862.590	79.731	396.014	2.17%	11.88%
10.0	4743.069	86.928	482.941	2.36%	14.49%
11.0	4611.926	93.476	576.417	2.54%	17.30%
12.0	4476.880	99.354	675.771	2.70%	20.28%
13.0	4340.237	104.637	780.408	2.84%	23.42%
14.0	4202.556	109.347	889.755	2.97%	26.70%
15.0	4057.345	113.396	1003.15	3.08%	30.10%
16.0	3917.365	116.852	1120.002	3.17%	33.61%
17.0	3772.489	119.752	1239.754	3.25%	37.20%
18.0	3630.696	122.062	1361.816	3.32%	40.87%
19.0	3479.920	123.710	1485.526	3.36%	44.58%
20.0	3328.087	124.605	1610.132	3.39%	48.32%
21.0	3161.220	124.608	1734.74	3.39%	52.06%
22.0	3000.130	123.815	1858.555	3.36%	55.77%
23.0	2834.025	122.416	1980.971	3.33%	59.45%
24.0	2678.999	120.534	2101.505	3.27%	63.06%
25.0	2508.085	117.943	2219.448	3.20%	66.60%
26.0	2321.219	113.996	2333.445	3.10%	70.02%
27.0	2159.925	109.632	2443.077	2.98%	73.31%
28.0	1967.644	104.501	2547.578	2.84%	76.45%
29.0	1792.683	98.381	2645.959	2.67%	79.40%
30.0	1541.632	90.026	2735.985	2.45%	82.10%
31.0	1385.902	81.469	2817.454	2.21%	84.55%
32.0	1179.732	73.502	2890.956	2.00%	86.75%
33.0	1039.502	65.379	2956.336	1.78%	88.71%
34.0	872.984	57.877	3014.213	1.57%	90.45%
35.0	720.014	49.473	3063.686	1.34%	91.94%
36.0	580.566	41.411	3105.096	1.12%	93.18%
37.0	460.027	33.938	3139.035	0.92%	94.20%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	359.337	27.349	3166.384	0.74%	95.02%
39.0	293.581	22.286	3188.67	0.61%	95.69%
40.0	237.484	18.522	3207.192	0.50%	96.24%
41.0	188.055	15.153	3222.345	0.41%	96.70%
42.0	156.078	12.503	3234.848	0.34%	97.07%
43.0	113.239	9.976	3244.824	0.27%	97.37%
44.0	93.883	7.817	3252.641	0.21%	97.61%
45.0	79.126	6.649	3259.29	0.18%	97.81%
46.0	68.022	5.755	3265.045	0.16%	97.98%
47.0	59.297	5.064	3270.109	0.14%	98.13%
48.0	52.293	4.511	3274.62	0.12%	98.27%
49.0	46.498	4.057	3278.677	0.11%	98.39%
50.0	41.695	3.677	3282.354	0.10%	98.50%
51.0	37.608	3.355	3285.709	0.09%	98.60%
52.0	34.205	3.082	3288.791	0.08%	98.69%
53.0	31.281	2.849	3291.639	0.08%	98.78%
54.0	28.699	2.644	3294.283	0.07%	98.86%
55.0	26.524	2.465	3296.748	0.07%	98.93%
56.0	24.632	2.312	3299.06	0.06%	99.00%
57.0	23.049	2.180	3301.24	0.06%	99.06%
58.0	21.577	2.064	3303.303	0.06%	99.13%
59.0	20.151	1.951	3305.254	0.05%	99.18%
60.0	19.100	1.854	3307.109	0.05%	99.24%
61.0	18.009	1.771	3308.88	0.05%	99.29%
62.0	16.951	1.685	3310.564	0.05%	99.34%
63.0	16.045	1.605	3312.169	0.04%	99.39%
64.0	15.138	1.530	3313.699	0.04%	99.44%
65.0	14.396	1.462	3315.161	0.04%	99.48%
66.0	13.594	1.396	3316.557	0.04%	99.52%
67.0	12.819	1.328	3317.885	0.04%	99.56%
68.0	12.103	1.262	3319.148	0.03%	99.60%
69.0	11.399	1.199	3320.347	0.03%	99.64%
70.0	10.703	1.135	3321.482	0.03%	99.67%
71.0	10.026	1.071	3322.553	0.03%	99.70%
72.0	9.382	1.009	3323.562	0.03%	99.73%
73.0	8.732	0.947	3324.51	0.03%	99.76%
74.0	8.141	0.887	3325.397	0.02%	99.79%
75.0	7.582	0.831	3326.227	0.02%	99.81%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.978	0.773	3327	0.02%	99.84%
77.0	6.439	0.715	3327.716	0.02%	99.86%
78.0	5.867	0.659	3328.374	0.02%	99.88%
79.0	5.361	0.603	3328.978	0.02%	99.90%
80.0	4.816	0.549	3329.526	0.01%	99.91%
81.0	4.277	0.492	3330.018	0.01%	99.93%
82.0	3.817	0.439	3330.457	0.01%	99.94%
83.0	3.344	0.389	3330.846	0.01%	99.95%
84.0	2.871	0.339	3331.185	0.01%	99.96%
85.0	2.523	0.294	3331.479	0.01%	99.97%
86.0	2.135	0.255	3331.734	0.01%	99.98%
87.0	1.853	0.218	3331.952	0.01%	99.99%
88.0	1.551	0.186	3332.139	0.01%	99.99%
89.0	1.268	0.154	3332.293	0.00%	100.00%
90.0	1.045	0.127	3332.42	0.00%	100.00%

Zonal flux distribution table

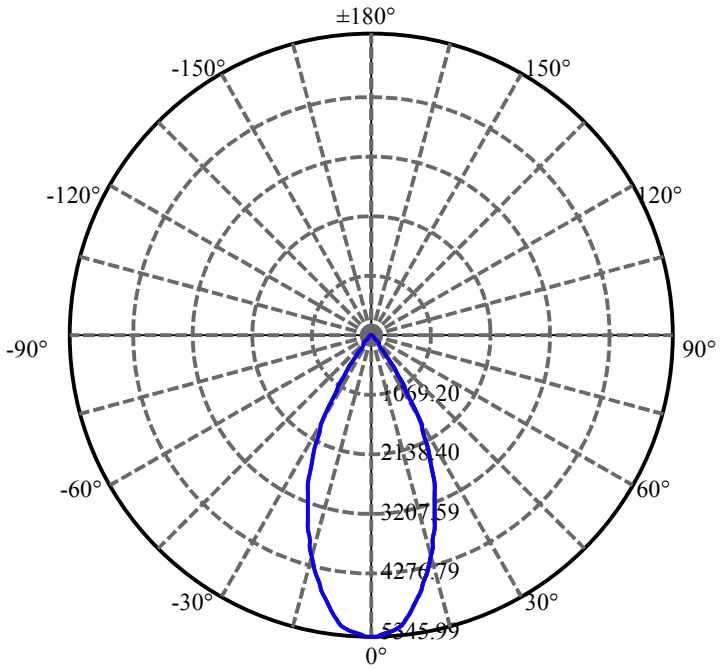
ZONAL LUMEN SUMMARY

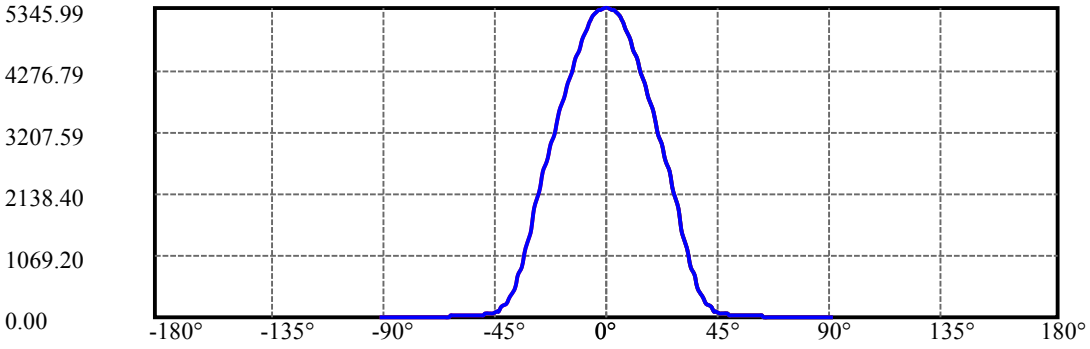
Zone	Lumens	%Lamp	%Fixt
0-30	2735.98	74.33%	82.10%
0-40	3207.19	87.13%	96.24%
0-60	3307.11	89.84%	99.24%
0-90	3332.29	90.53%	100.00%
0-120	3332.29	90.53%	100.00%
0-180	3332.42	90.53%	100.00%
60-90	25.18	0.68%	0.76%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-29.22	2665.94	72.42%	80.00%

ZONAL LUMEN SUMMARY

0-10	482.94
10-20	1127.19
20-30	1125.85
30-40	471.21
40-50	75.16
50-60	24.75
60-70	14.37
70-80	8.04
80-90	2.77
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):

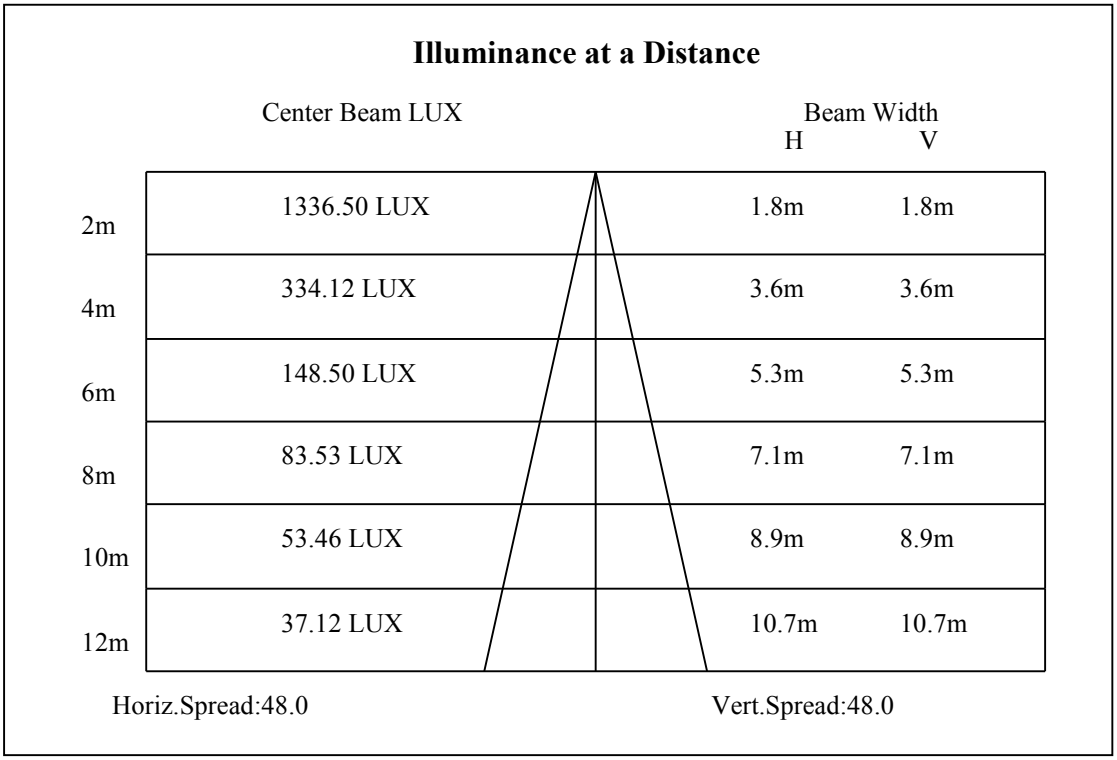
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:36.4 Right:36.4
:C90/270Left:36.4 Right:36.4

Beam Angle(50%Imax):C0/180Left:24.0 Right:24.0
:C90/270Left:24.0 Right:24.0

Lux distance Curve

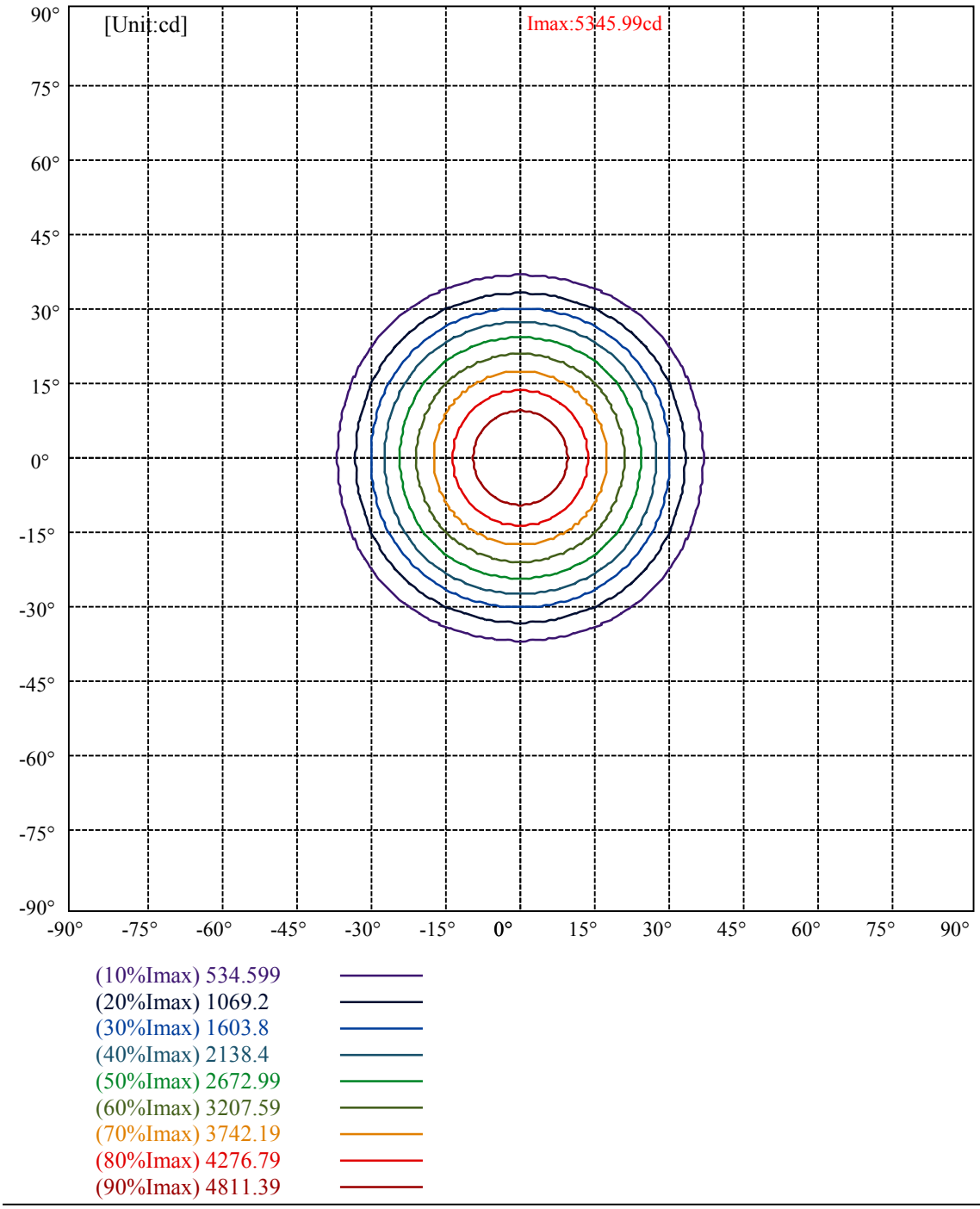


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/19
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO-Intensity(V-H)



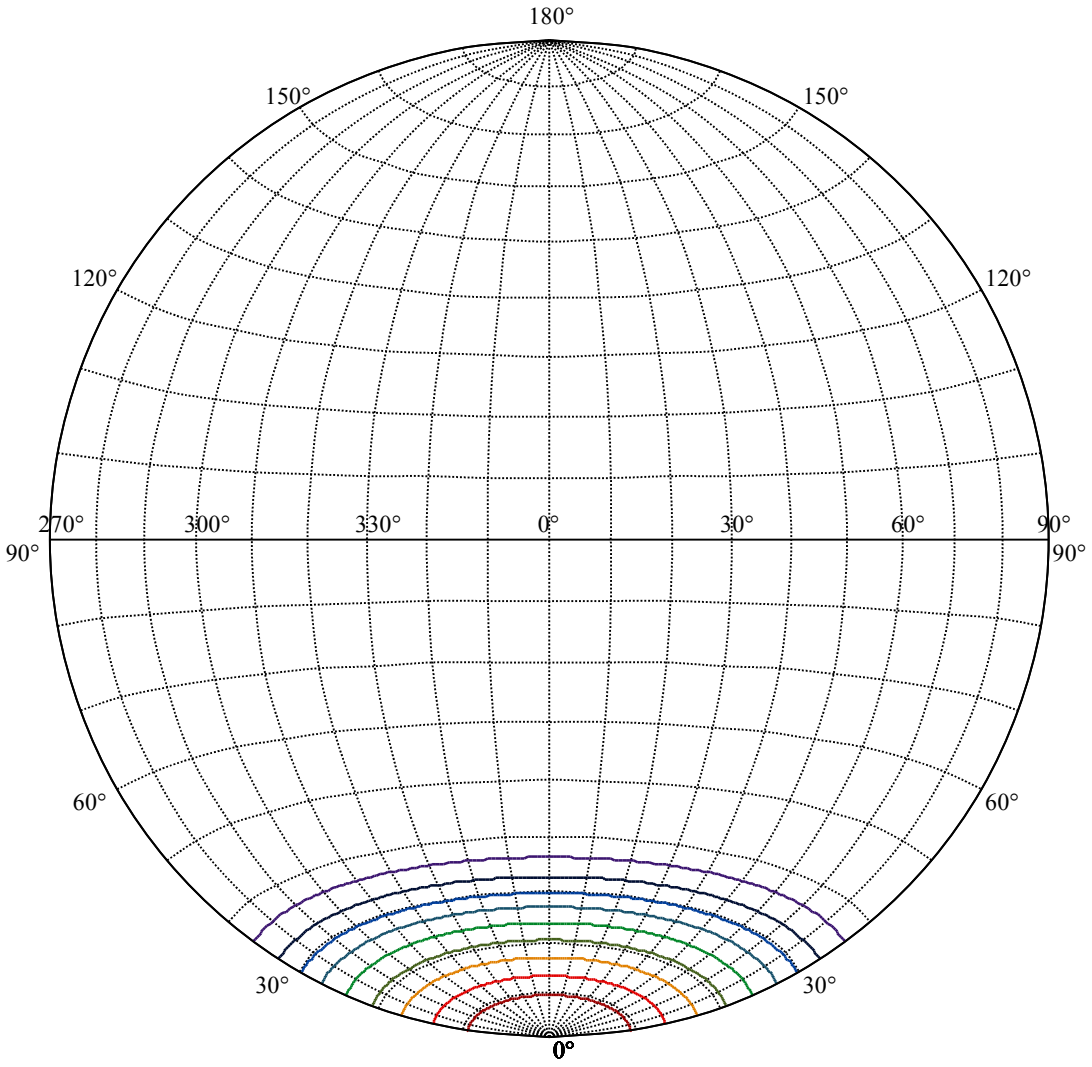
(10%Imax) 534.599
(20%Imax) 1069.2
(30%Imax) 1603.8
(40%Imax) 2138.4
(50%Imax) 2672.99
(60%Imax) 3207.59
(70%Imax) 3742.19
(80%Imax) 4276.79
(90%Imax) 4811.39

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/19
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:5345.99

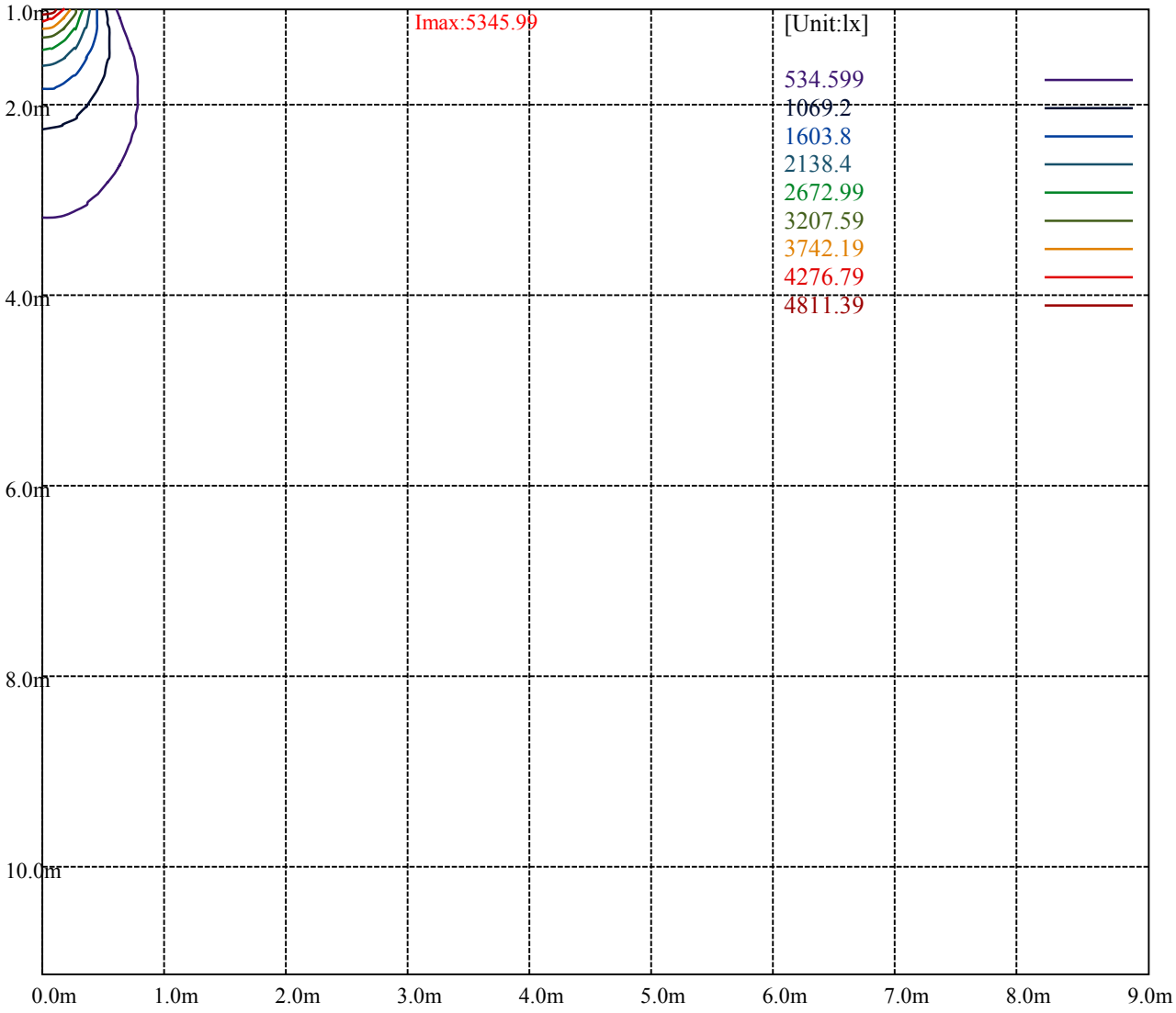
(10%Imax) 534.599
(20%Imax) 1069.2
(30%Imax) 1603.8
(40%Imax) 2138.4
(50%Imax) 2672.99
(60%Imax) 3207.59
(70%Imax) 3742.19
(80%Imax) 4276.79
(90%Imax) 4811.39

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/19
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/19
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Luminance Limitting Curve(no luminous side)

Luminance Table

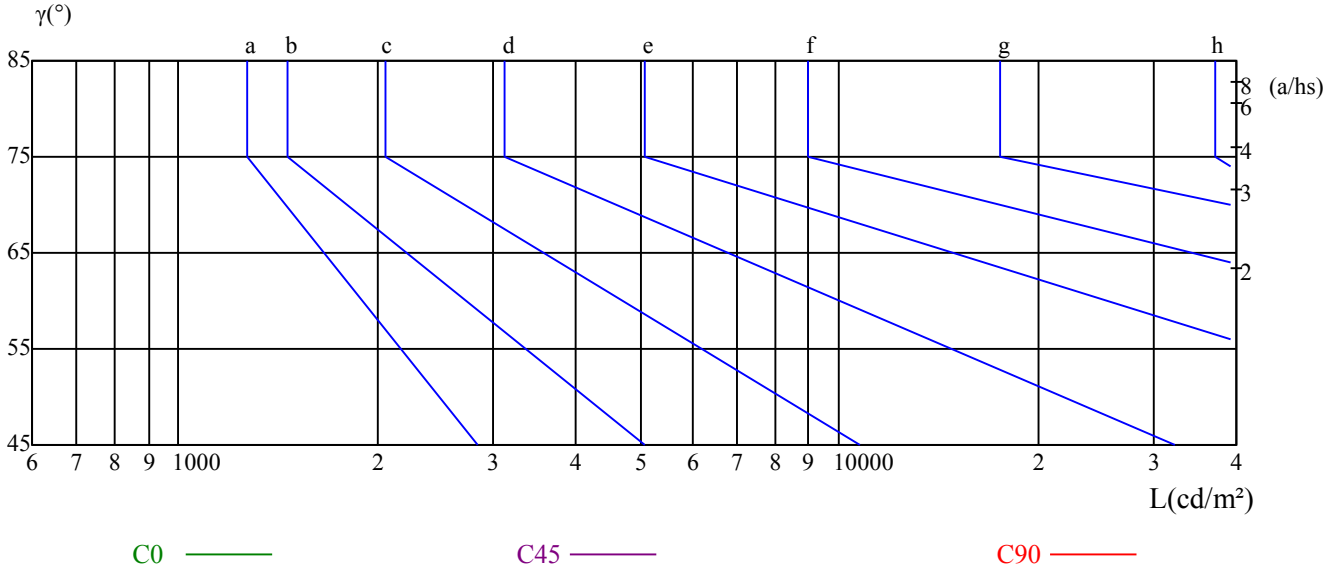
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

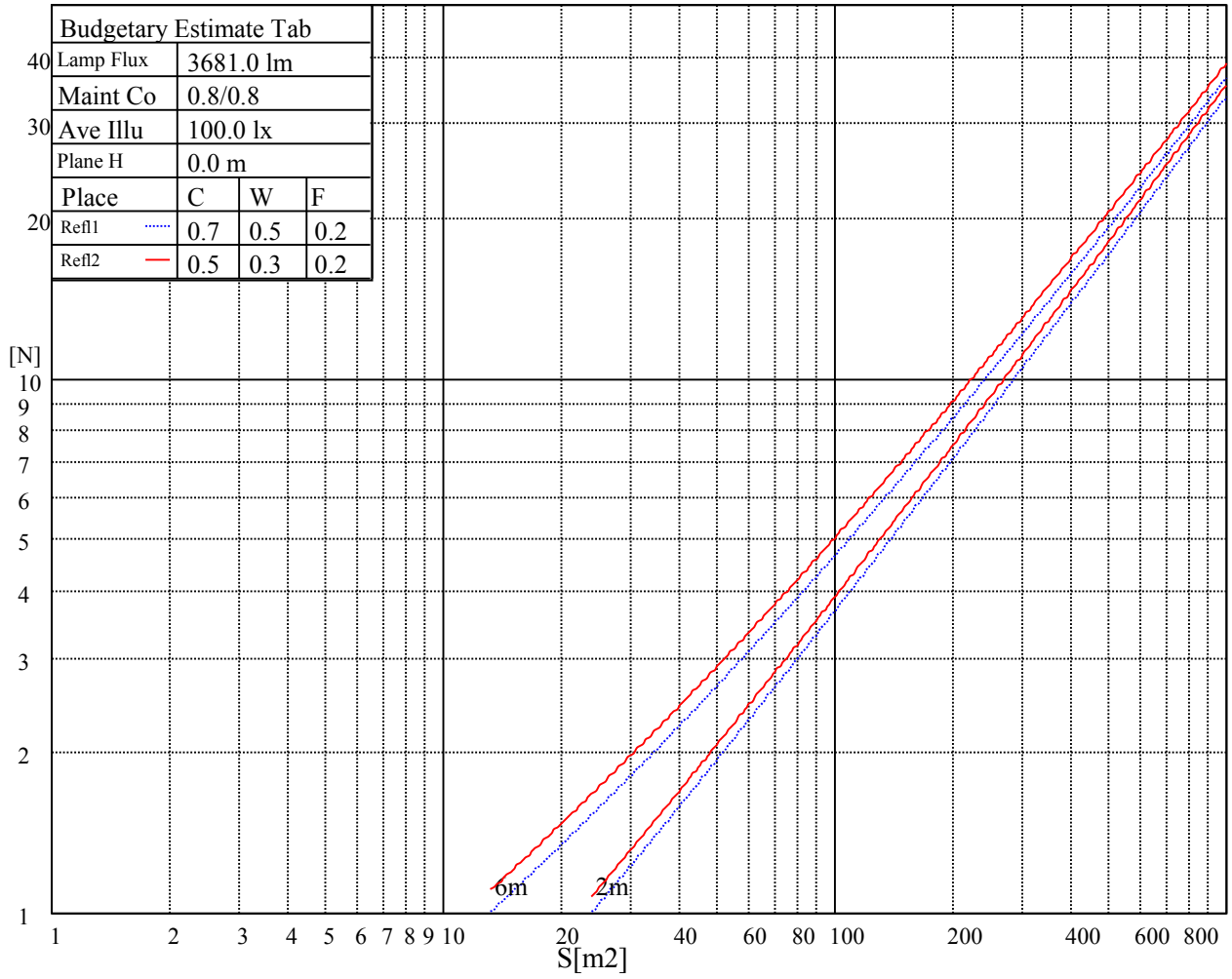
Luminance Limitting Curve



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

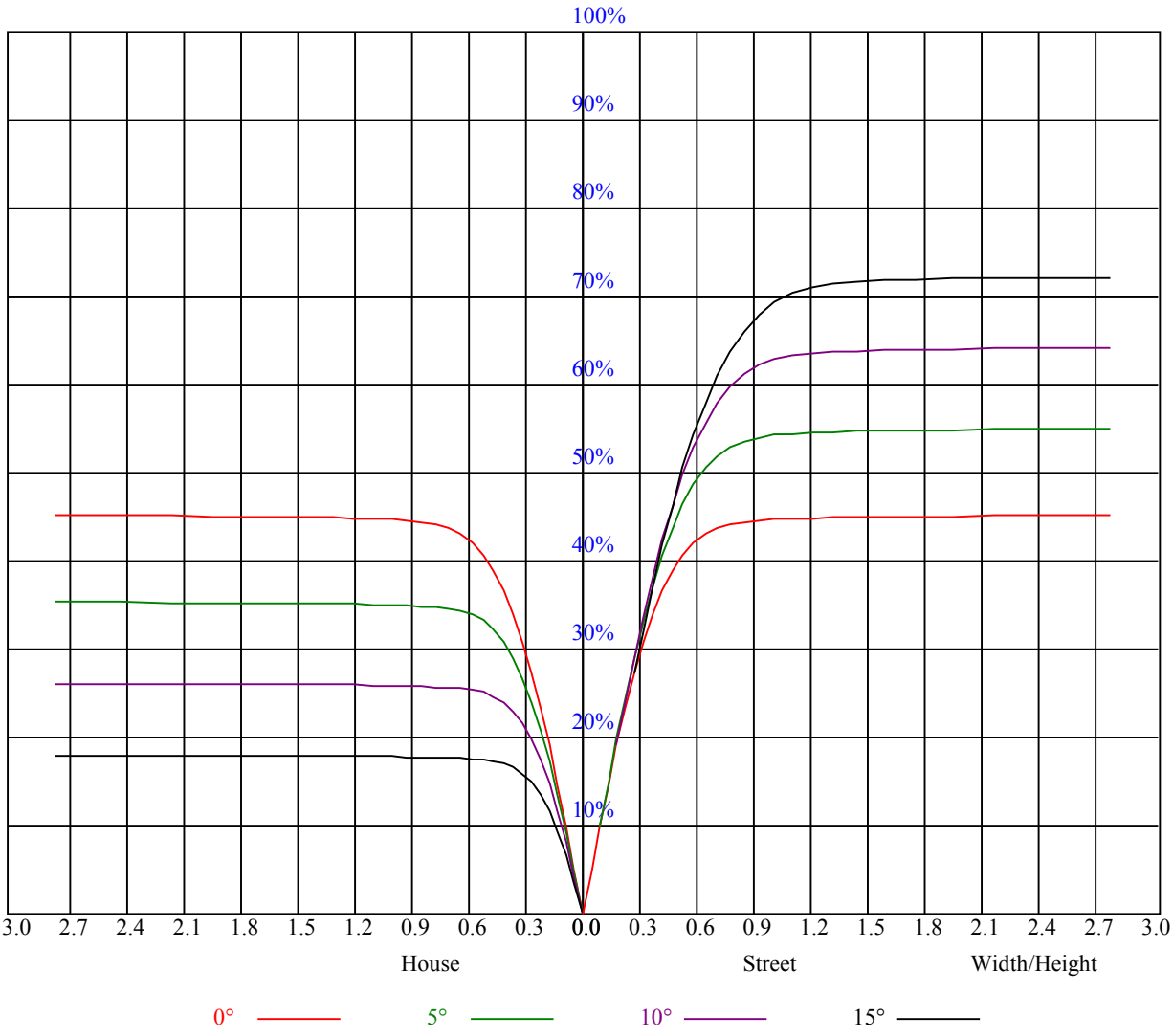
Date: 2024/8/19
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

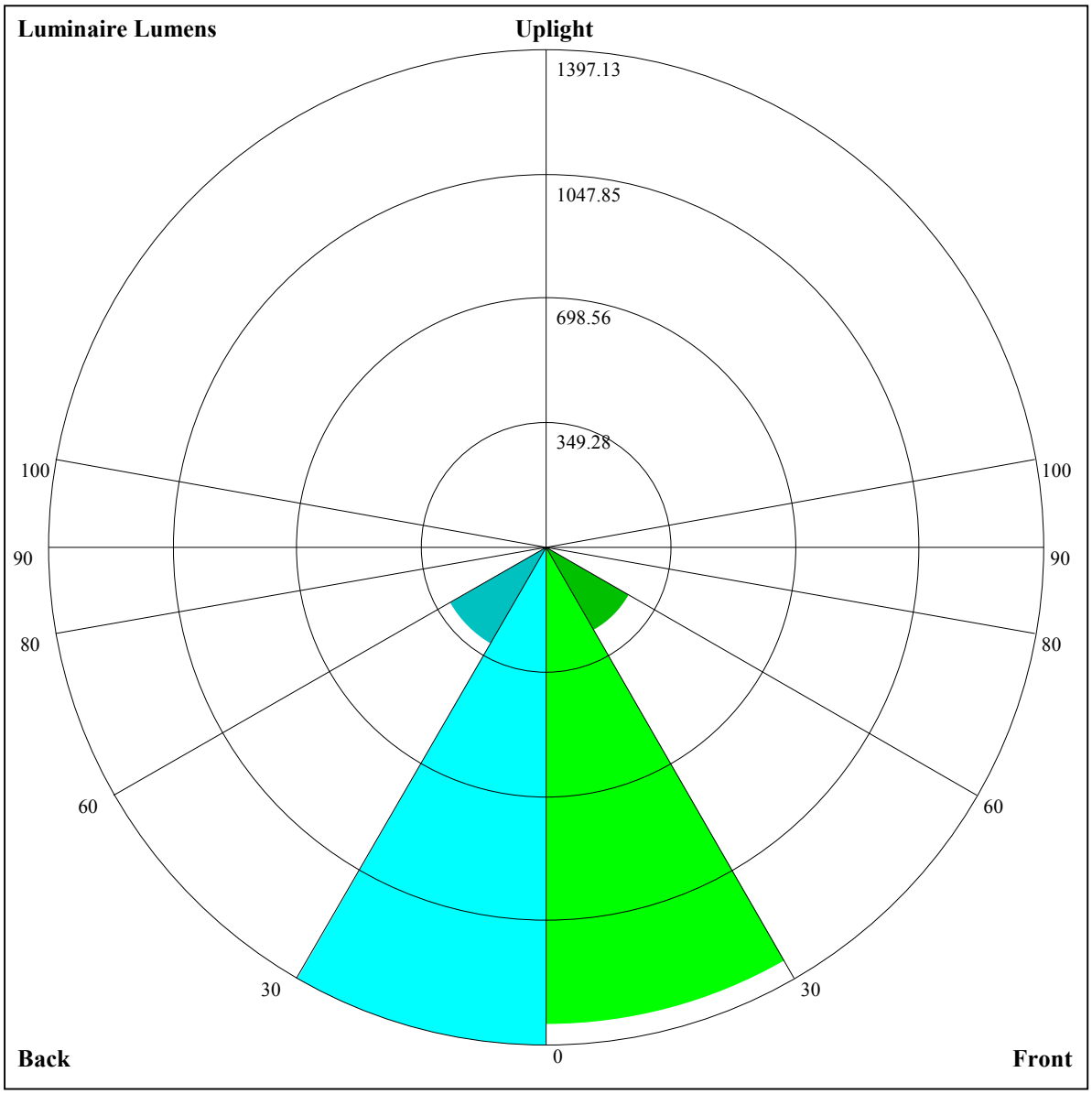
Utilization factor table for indoor luminaire

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	1.08	1.08	1.08	1.05	1.05	1.05	1.01	1.01	1.01	0.96	0.96	0.96	0.92	0.92	0.92	0.91
1	1.01	0.99	0.97	0.99	0.97	0.95	0.95	0.94	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.85
2	0.94	0.91	0.88	0.93	0.90	0.87	0.90	0.87	0.85	0.87	0.85	0.83	0.85	0.83	0.82	0.80
3	0.89	0.85	0.81	0.87	0.84	0.81	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.76
4	0.84	0.79	0.75	0.83	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.73	0.77	0.75	0.72	0.71
5	0.79	0.74	0.71	0.78	0.74	0.70	0.77	0.73	0.70	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	0.69	0.66	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	0.55	0.53	0.59	0.55	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS 1800	Date: 2024/8/19	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.25



Luminaire Lumens:
FL=1340.95,FM=267.06,FH=11.02,FVH=1.37
BL=1397.13,BM=312.31,BH=11.5,BVH=1.54
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	5325.63	5287.21	5254.36	5223.71	5174.09	5098.35	4999.69	4903.35	4774.62
45.0	5349.60	5341.24	5306.13	5269.39	5225.92	5164.06	5082.16	4991.34	4888.84
90.0	5337.93	5309.50	5258.25	5223.14	5170.78	5081.06	4992.49	4894.41	4770.15
135.0	5369.10	5354.07	5349.08	5314.49	5268.29	5213.67	5148.50	5050.99	4952.33
180.0	5325.63	5331.20	5326.79	5316.17	5291.10	5276.64	5224.82	5168.00	5067.71
225.0	5352.97	5346.82	5341.82	5350.18	5337.35	5269.39	5231.49	5136.78	5047.63
270.0	5337.93	5353.49	5367.42	5356.85	5360.74	5369.10	5361.85	5316.17	5251.57
315.0	5369.10	5365.21	5365.79	5352.97	5321.74	5277.17	5218.14	5142.35	5049.31
360.0	5325.63	5287.21	5254.36	5223.71	5174.09	5098.35	4999.69	4903.35	4774.62

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4650.36	4506.60	4358.96	4206.31	4065.34	3931.10	3792.91	3652.52	3507.08
45.0	4755.70	4628.08	4484.32	4328.89	4171.20	4031.91	3901.56	3760.01	3595.64
90.0	4648.15	4519.43	4379.61	4236.38	4103.24	3975.09	3815.20	3674.80	3533.83
135.0	4853.20	4736.20	4611.94	4487.68	4360.11	4207.42	4068.71	3933.88	3782.87
180.0	4963.48	4850.94	4733.41	4601.90	4478.75	4340.03	4193.49	4049.20	3916.59
225.0	4947.92	4842.06	4717.22	4601.32	4460.93	4316.64	4147.81	4006.31	3865.34
270.0	5159.06	5063.77	4941.77	4824.19	4691.05	4564.58	4420.24	4290.99	4155.59
315.0	4922.85	4797.48	4668.18	4528.36	4391.28	4253.67	4118.85	3971.20	3822.98
360.0	4650.36	4506.60	4358.96	4206.31	4065.34	3931.10	3792.91	3652.52	3507.08

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3362.79	3198.43	3022.34	2848.52	2678.01	2503.60	2399.43	2223.39	1977.66
45.0	3445.79	3327.10	3170.57	2980.56	2850.20	2683.05	2514.75	2348.76	2177.66
90.0	3385.08	3235.17	3064.71	2895.30	2759.37	2560.48	2384.39	2240.63	2058.45
135.0	3622.40	3474.22	3323.21	3159.43	3000.06	2826.23	2722.05	2495.25	2391.07
180.0	3771.73	3620.19	3523.21	3313.75	3216.77	3054.09	2829.02	2728.73	2567.15
225.0	3718.22	3555.54	3403.42	3241.32	3064.71	2888.62	2780.56	2594.43	2334.25
270.0	4001.85	3906.02	3695.41	3600.11	3434.07	3261.35	3082.53	2896.98	2714.22
315.0	3737.72	3522.69	3421.82	3250.78	2997.85	2894.77	2719.27	2536.51	2349.28
360.0	3362.79	3198.43	3022.34	2848.52	2678.01	2503.60	2399.43	2223.39	1977.66

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1868.44	1688.52	1503.50	1061.03	1061.03	953.64	788.65	640.89	507.81
45.0	1999.37	1820.55	1638.90	1450.04	1258.35	1074.48	898.98	740.19	597.58
90.0	1877.37	1689.62	1495.72	1049.67	1049.67	943.81	777.82	625.86	492.25
135.0	2211.67	1942.55	1828.91	1643.37	1453.35	1258.92	1068.39	891.20	731.30
180.0	2398.90	2232.28	2062.34	1885.73	1705.23	1520.79	1330.78	1142.50	960.84
225.0	2227.28	2047.89	1870.70	1684.05	1494.04	1058.77	1058.77	918.63	758.32
270.0	2531.46	2338.72	2149.81	1959.27	1766.52	1570.36	1372.56	1180.34	995.95
315.0	2164.89	1981.03	1791.59	1599.90	1299.03	1057.08	1020.08	844.26	716.06
360.0	1868.44	1688.52	1503.50	1061.03	1061.03	953.64	788.65	640.89	507.81

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	396.58	307.12	236.95	193.01	144.86	121.68	99.45	80.47	71.17
45.0	473.90	369.15	283.89	283.89	224.07	147.91	119.63	98.61	83.00
90.0	381.08	291.93	222.71	190.07	148.07	109.17	97.35	82.05	70.49
135.0	586.44	460.50	356.90	305.07	305.07	174.09	132.77	112.75	93.46
180.0	792.01	641.05	506.76	391.43	298.40	298.40	220.13	141.60	112.90
225.0	617.19	492.72	388.12	302.71	236.27	204.31	161.79	130.78	107.96
270.0	826.02	671.70	536.30	419.82	341.29	291.67	291.67	156.64	125.57
315.0	571.30	446.05	343.08	262.65	201.84	157.21	125.83	103.02	86.52
360.0	396.58	307.12	236.95	193.01	144.86	121.68	99.45	80.47	71.17

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	61.81	54.67	48.67	43.52	39.32	35.80	32.80	30.17	27.81
45.0	71.33	62.13	54.93	48.88	43.73	39.47	35.85	32.85	30.22
90.0	61.29	54.09	47.99	42.94	38.69	35.16	32.17	29.65	27.44
135.0	79.00	67.75	58.87	51.72	45.68	40.74	36.69	33.32	30.49
180.0	92.14	77.11	65.91	57.14	50.20	44.42	39.42	35.37	31.91
225.0	90.57	77.48	67.12	58.76	51.83	46.15	41.10	36.85	33.32
270.0	102.65	86.31	73.80	64.34	56.71	50.41	45.15	40.84	37.16
315.0	74.22	64.65	57.08	51.04	45.83	41.42	37.69	34.59	31.91
360.0	61.81	54.67	48.67	43.52	39.32	35.80	32.80	30.17	27.81

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.70	23.86	22.23	20.71	19.40	18.19	17.50	16.03	15.09
45.0	27.86	26.12	23.86	22.29	21.03	19.76	18.55	17.35	16.35
90.0	25.44	23.76	22.29	21.08	20.08	18.71	17.87	16.87	15.82
135.0	28.02	25.97	24.18	22.55	21.18	19.97	18.92	17.92	17.40
180.0	29.07	26.65	24.55	22.81	21.87	19.92	18.76	18.13	17.08
225.0	30.01	27.28	24.91	22.92	21.29	19.92	18.76	18.03	16.61
270.0	33.96	31.22	28.80	27.54	24.91	23.29	22.34	20.87	19.50
315.0	29.54	27.33	26.23	24.49	22.86	21.45	20.08	18.87	17.77
360.0	25.70	23.86	22.23	20.71	19.40	18.19	17.50	16.03	15.09

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.51	13.40	12.98	12.25	11.46	10.78	10.20	9.46	8.83
45.0	15.40	14.56	13.77	12.93	12.19	11.46	10.72	10.04	9.41
90.0	15.09	14.19	13.40	12.56	11.72	11.04	10.25	9.51	8.88
135.0	16.19	15.40	14.93	14.14	13.40	12.67	12.04	11.35	10.67
180.0	16.14	15.35	14.56	13.93	13.14	12.56	11.93	11.30	10.62
225.0	15.98	15.14	14.35	13.61	12.93	12.19	11.51	10.83	10.20
270.0	18.29	17.19	16.19	15.19	14.30	13.51	12.72	11.98	11.14
315.0	16.77	15.87	14.98	14.14	13.40	12.62	11.83	11.14	10.46
360.0	14.51	13.40	12.98	12.25	11.46	10.78	10.20	9.46	8.83

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.25	7.67	7.10	6.52	5.94	5.41	4.84	4.31	3.84
45.0	8.78	8.09	7.57	7.04	6.47	6.15	5.31	4.99	4.52
90.0	8.36	7.73	7.15	6.57	6.04	5.52	4.94	4.47	3.94
135.0	10.04	9.46	8.78	8.25	7.62	7.10	6.52	5.94	5.31
180.0	10.04	9.46	8.83	8.25	7.67	7.10	6.57	6.20	5.47
225.0	9.57	8.83	8.30	7.67	7.10	6.52	5.94	5.47	4.84
270.0	10.30	9.57	8.94	8.30	7.67	7.10	6.57	5.94	5.47
315.0	9.72	9.04	8.46	8.04	7.31	6.62	6.25	5.57	5.15
360.0	8.25	7.67	7.10	6.52	5.94	5.41	4.84	4.31	3.84

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.42	3.05	2.52	2.16	2.00	1.58	1.37	1.05	0.89
45.0	3.78	3.31	2.94	2.52	2.16	1.84	1.47	1.16	1.00
90.0	3.47	3.10	2.79	2.31	2.00	1.79	1.52	1.26	1.00
135.0	4.84	4.36	3.78	3.36	2.84	2.52	2.26	2.00	1.52
180.0	4.94	4.47	3.99	3.42	2.94	2.52	2.21	1.89	1.52
225.0	4.31	3.89	3.31	2.89	2.63	2.16	1.89	1.52	1.31
270.0	4.99	4.36	3.78	3.21	2.89	2.47	2.10	1.79	1.47
315.0	4.47	3.99	3.63	3.10	2.73	2.21	2.00	1.73	1.42
360.0	3.42	3.05	2.52	2.16	2.00	1.58	1.37	1.05	0.89

Intensity data(cd)

C/γ(°)	90.0
0.0	0.95
45.0	0.95
90.0	1.00
135.0	1.00
180.0	1.26
225.0	1.10
270.0	1.16
315.0	0.95
360.0	0.95