NATA LIGHTING CO.,LTD.
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Tel:+86-750-3770000 Fax:+86 750 3771111
Address:Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client: NT
LumCAT: 61-0218-3
Luminaire: 92.70.427.00
Report No: 20250226-B004
Ballast type: AC

Test No: 20250226-C004	Voltage(V): 35.920
LampCAT: CITIZEN CLU028	Current(A): 0.360
Lamp flux(lm): 1484.0	Power (W): 12.930
Number of Lamps: 1	PF: 0.000
Length(mm): 50	Width(mm): 50
Phm Type: C	Height(mm): 24

Photometric Results

Lumens(lm): 1389.73, Efficiency(%): 93.65% , Luminous Efficacy(lm/W): 107.48
Central intensity(cd): 3485.459, Maximum intensity(cd): 3485.459
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=35.6
[C90/270]Total=35.6
Field angle(10%Imax): [C0/180]Total=57.0
[C90/270]Total=57.0
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
Maximum s/h(1/4): C0_180=0.56 C90_270=0.56
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 93.65%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.068%

Equipment: GMS 1800	Date: 2025/2/27	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.30

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3485.459	0.000	0	0.00%	0.00%
1.0	3482.728	3.334	3.334	0.22%	0.24%
2.0	3471.937	9.982	13.316	0.67%	0.96%
3.0	3453.818	16.564	29.88	1.12%	2.15%
4.0	3428.372	23.037	52.917	1.55%	3.81%
5.0	3393.134	29.346	82.263	1.98%	5.92%
6.0	3342.509	35.398	117.661	2.39%	8.47%
7.0	3290.484	41.171	158.831	2.77%	11.43%
8.0	3207.618	46.506	205.337	3.13%	14.78%
9.0	3125.951	51.330	256.667	3.46%	18.47%
10.0	3017.440	55.595	312.263	3.75%	22.47%
11.0	2883.748	58.965	371.228	3.97%	26.71%
12.0	2750.523	61.591	432.818	4.15%	31.14%
13.0	2604.509	63.551	496.369	4.28%	35.72%
14.0	2429.984	64.441	560.81	4.34%	40.35%
15.0	2272.379	64.556	625.366	4.35%	45.00%
16.0	2090.727	63.932	689.298	4.31%	49.60%
17.0	1897.017	62.100	751.398	4.18%	54.07%
18.0	1713.227	59.525	810.923	4.01%	58.35%
19.0	1547.295	56.726	867.649	3.82%	62.43%
20.0	1382.010	53.614	921.264	3.61%	66.29%
21.0	1240.678	50.361	971.625	3.39%	69.91%
22.0	1033.280	45.696	1017.321	3.08%	73.20%
23.0	918.899	40.962	1058.283	2.76%	76.15%
24.0	799.676	37.574	1095.857	2.53%	78.85%
25.0	672.100	33.465	1129.322	2.26%	81.26%
26.0	560.204	29.089	1158.411	1.96%	83.36%
27.0	460.472	24.971	1183.382	1.68%	85.15%
28.0	376.361	21.187	1204.569	1.43%	86.68%
29.0	316.429	18.125	1222.694	1.22%	87.98%
30.0	248.664	15.257	1237.951	1.03%	89.08%
31.0	202.882	12.566	1250.517	0.85%	89.98%
32.0	157.992	10.339	1260.856	0.70%	90.73%
33.0	135.596	8.649	1269.505	0.58%	91.35%
34.0	113.374	7.535	1277.04	0.51%	91.89%
35.0	92.098	6.381	1283.421	0.43%	92.35%
36.0	79.562	5.466	1288.887	0.37%	92.74%
37.0	69.497	4.861	1293.748	0.33%	93.09%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	62.496	4.406	1298.154	0.30%	93.41%
39.0	56.654	4.067	1302.221	0.27%	93.70%
40.0	52.437	3.805	1306.025	0.26%	93.98%
41.0	49.327	3.624	1309.649	0.24%	94.24%
42.0	46.629	3.486	1313.135	0.23%	94.49%
43.0	44.610	3.380	1316.515	0.23%	94.73%
44.0	42.532	3.289	1319.804	0.22%	94.97%
45.0	41.007	3.210	1323.015	0.22%	95.20%
46.0	39.481	3.148	1326.162	0.21%	95.43%
47.0	37.916	3.078	1329.241	0.21%	95.65%
48.0	36.637	3.014	1332.254	0.20%	95.86%
49.0	35.285	2.953	1335.208	0.20%	96.08%
50.0	33.912	2.885	1338.093	0.19%	96.28%
51.0	32.600	2.814	1340.907	0.19%	96.49%
52.0	31.341	2.744	1343.651	0.18%	96.68%
53.0	30.069	2.671	1346.322	0.18%	96.88%
54.0	28.976	2.602	1348.925	0.18%	97.06%
55.0	27.711	2.530	1351.455	0.17%	97.25%
56.0	26.545	2.452	1353.907	0.17%	97.42%
57.0	25.393	2.375	1356.281	0.16%	97.59%
58.0	24.127	2.290	1358.571	0.15%	97.76%
59.0	22.915	2.199	1360.771	0.15%	97.92%
60.0	21.776	2.111	1362.882	0.14%	98.07%
61.0	20.517	2.018	1364.9	0.14%	98.21%
62.0	19.404	1.924	1366.824	0.13%	98.35%
63.0	18.212	1.829	1368.653	0.12%	98.48%
64.0	17.046	1.730	1370.383	0.12%	98.61%
65.0	15.954	1.633	1372.017	0.11%	98.73%
66.0	14.881	1.538	1373.555	0.10%	98.84%
67.0	13.849	1.445	1375	0.10%	98.94%
68.0	12.830	1.351	1376.351	0.09%	99.04%
69.0	11.924	1.263	1377.614	0.09%	99.13%
70.0	11.064	1.181	1378.794	0.08%	99.21%
71.0	10.212	1.100	1379.894	0.07%	99.29%
72.0	9.432	1.021	1380.916	0.07%	99.37%
73.0	8.686	0.947	1381.863	0.06%	99.43%
74.0	7.954	0.875	1382.738	0.06%	99.50%
75.0	7.374	0.810	1383.548	0.05%	99.56%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.768	0.751	1384.298	0.05%	99.61%
77.0	6.228	0.693	1384.991	0.05%	99.66%
78.0	5.715	0.639	1385.631	0.04%	99.71%
79.0	5.236	0.588	1386.219	0.04%	99.75%
80.0	4.776	0.540	1386.759	0.04%	99.79%
81.0	4.316	0.492	1387.25	0.03%	99.82%
82.0	3.877	0.444	1387.695	0.03%	99.85%
83.0	3.457	0.399	1388.093	0.03%	99.88%
84.0	3.051	0.355	1388.448	0.02%	99.91%
85.0	2.598	0.308	1388.756	0.02%	99.93%
86.0	2.258	0.265	1389.022	0.02%	99.95%
87.0	1.872	0.226	1389.248	0.02%	99.97%
88.0	1.572	0.189	1389.436	0.01%	99.98%
89.0	1.306	0.158	1389.594	0.01%	99.99%
90.0	1.119	0.133	1389.727	0.01%	100.00%

Zonal flux distribution table

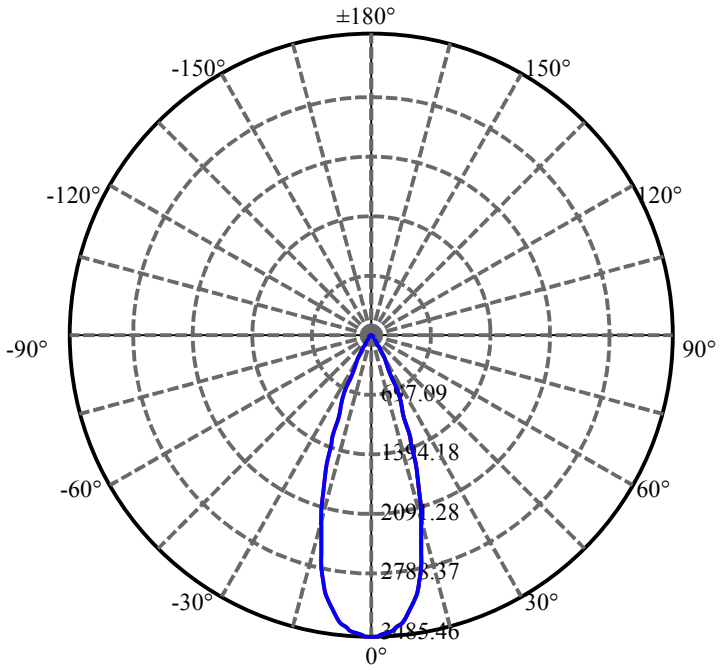
ZONAL LUMEN SUMMARY

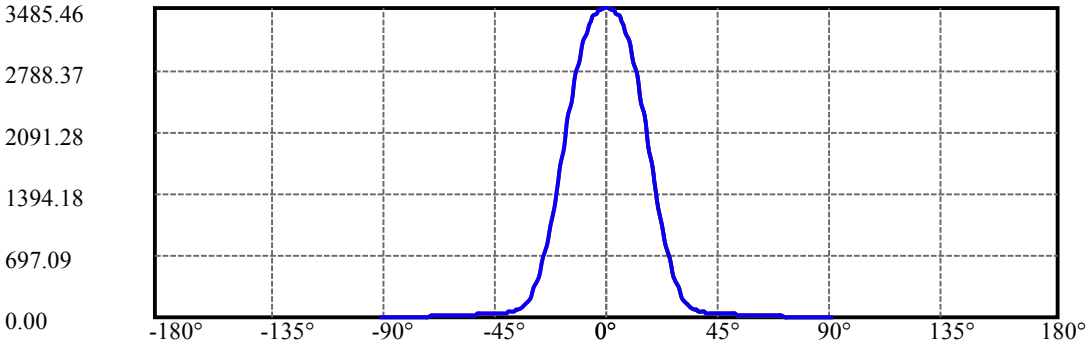
Zone	Lumens	%Lamp	%Fixt
0-30	1237.95	83.42%	89.08%
0-40	1306.03	88.01%	93.98%
0-60	1362.88	91.84%	98.07%
0-90	1389.59	93.64%	99.99%
0-120	1389.59	93.64%	99.99%
0-180	1389.73	93.65%	100.00%
60-90	26.71	1.80%	1.92%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.48	1111.78	74.92%	80.00%

ZONAL LUMEN SUMMARY

0-10	312.26
10-20	609.00
20-30	316.69
30-40	68.07
40-50	32.07
50-60	24.79
60-70	15.91
70-80	7.96
80-90	2.84
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):

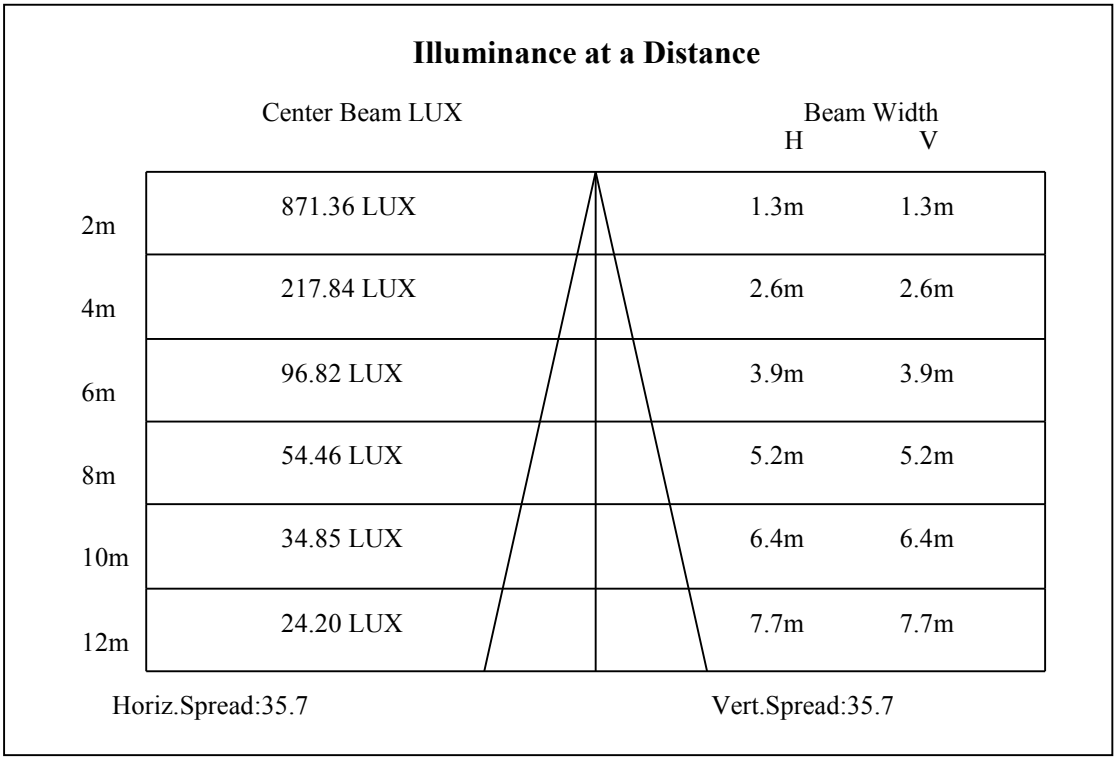
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:28.5 Right:28.5
:C90/270Left:28.5 Right:28.5

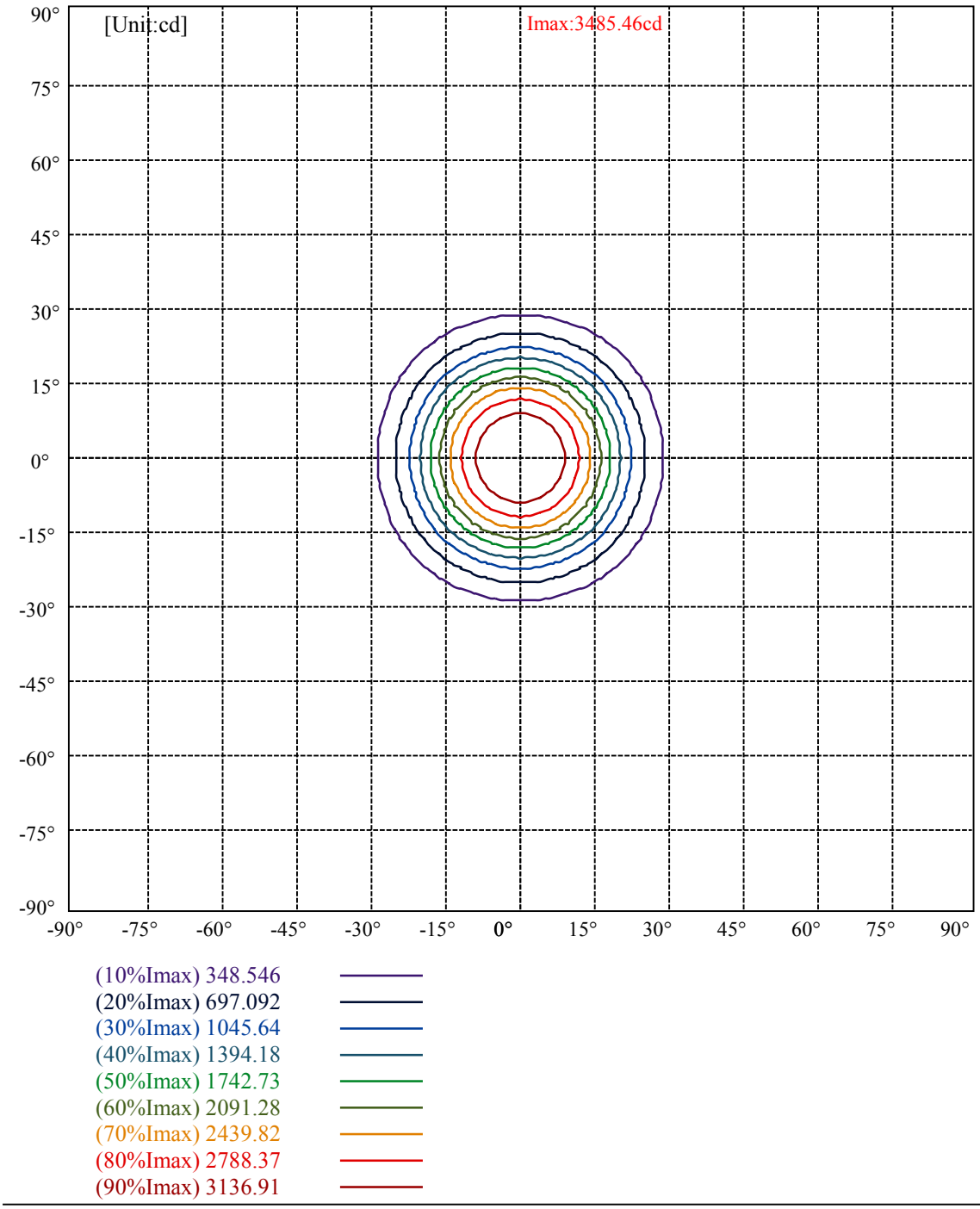
Beam Angle(50%Imax):C0/180Left:17.8 Right:17.8
:C90/270Left:17.8 Right:17.8

Lux distance Curve



Equipment: GMS 1800
Date: 2025/2/27
Operator: NT
Temperature(°C): 25.0
Humidity(%): 60.0%
Distance(m): 7.30

ISO-Intensity(V-H)



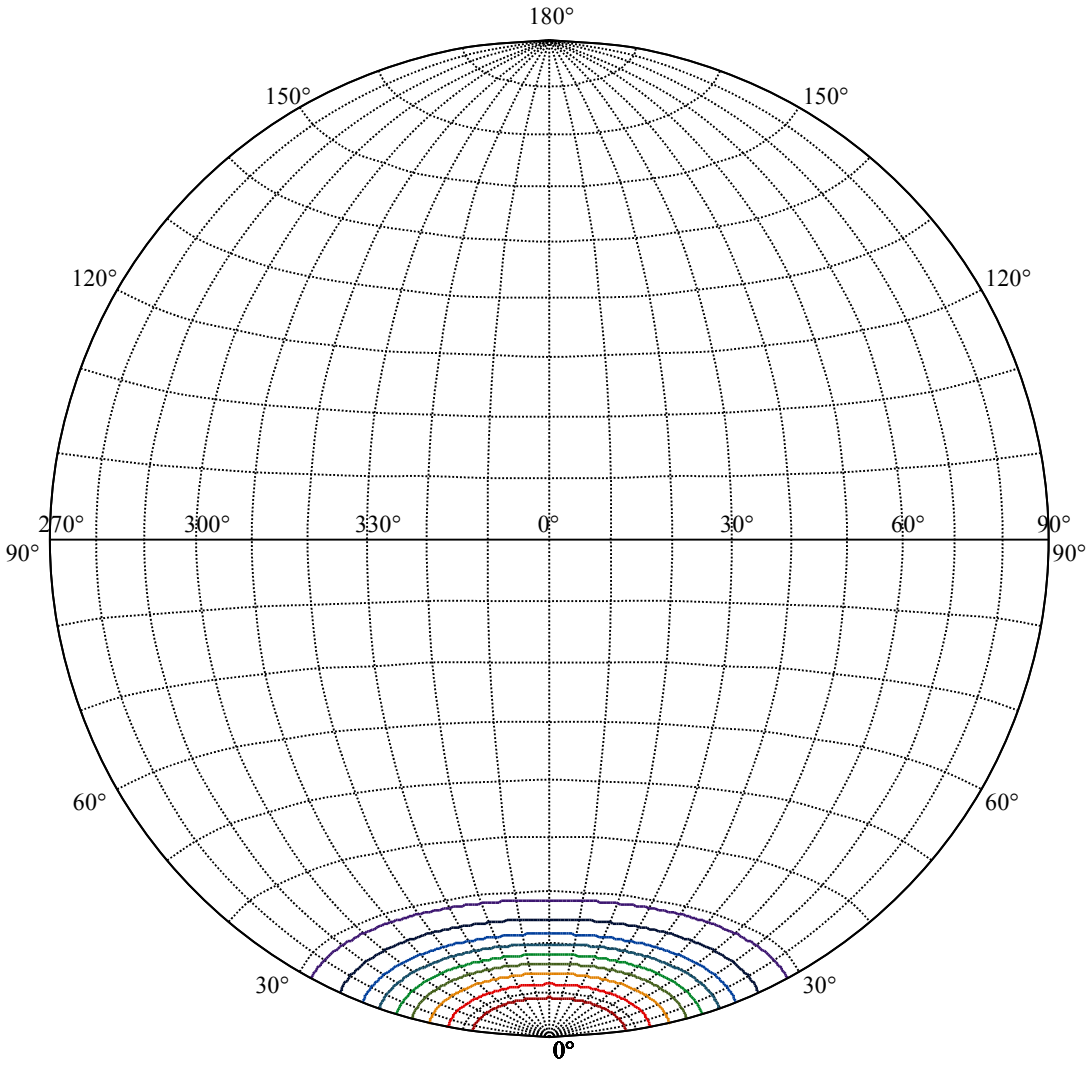
(10%Imax) 348.546
(20%Imax) 697.092
(30%Imax) 1045.64
(40%Imax) 1394.18
(50%Imax) 1742.73
(60%Imax) 2091.28
(70%Imax) 2439.82
(80%Imax) 2788.37
(90%Imax) 3136.91

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/2/27
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:3485.46

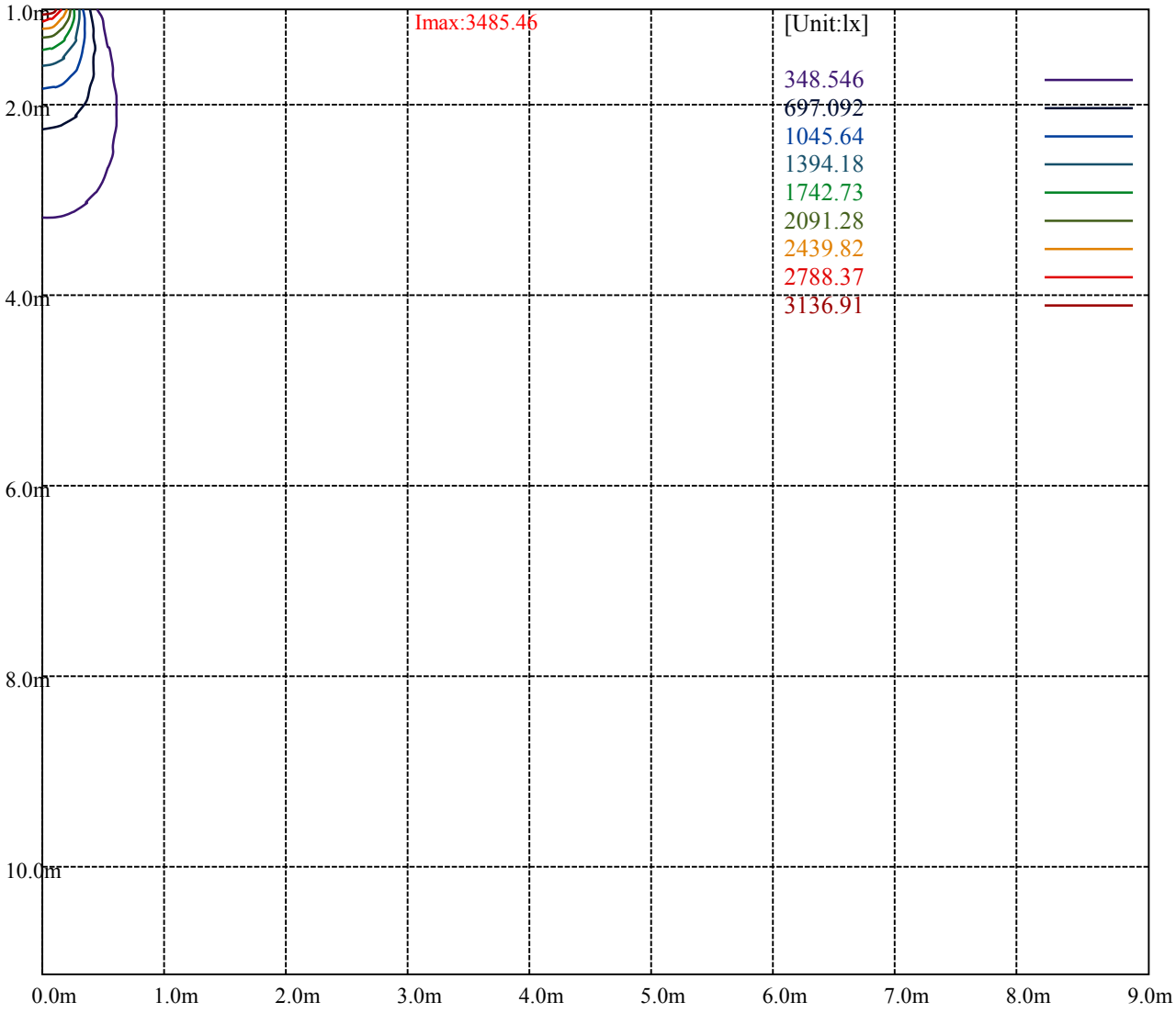
(10%Imax) 348.546
(20%Imax) 697.092
(30%Imax) 1045.64
(40%Imax) 1394.18
(50%Imax) 1742.73
(60%Imax) 2091.28
(70%Imax) 2439.82
(80%Imax) 2788.37
(90%Imax) 3136.91

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/2/27
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/2/27
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

NT NT 62-0218

Luminance Limitting Curve(no luminous side)

Luminance Table

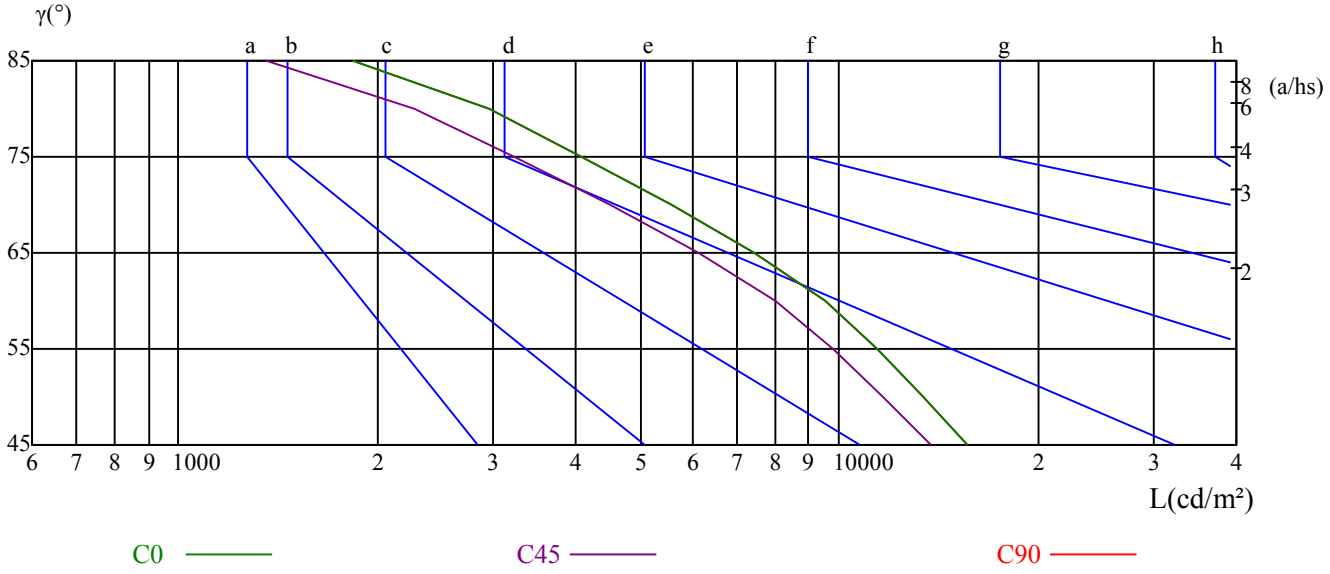
γ	45	50	55	60	65	70	75	80	85
C0	15674	13424	11465	9512	7441	5580	4083	2956	1838
C45	13817	11666	9812	8007	6149	4516	3225	2269	1361
C90	15674	13424	11465	9512	7441	5580	4083	2956	1838

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
15100	15100	15100	11396	11396	11396	11923	11923	11923

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: 2025/2/27
Humidity(%): 60.0%

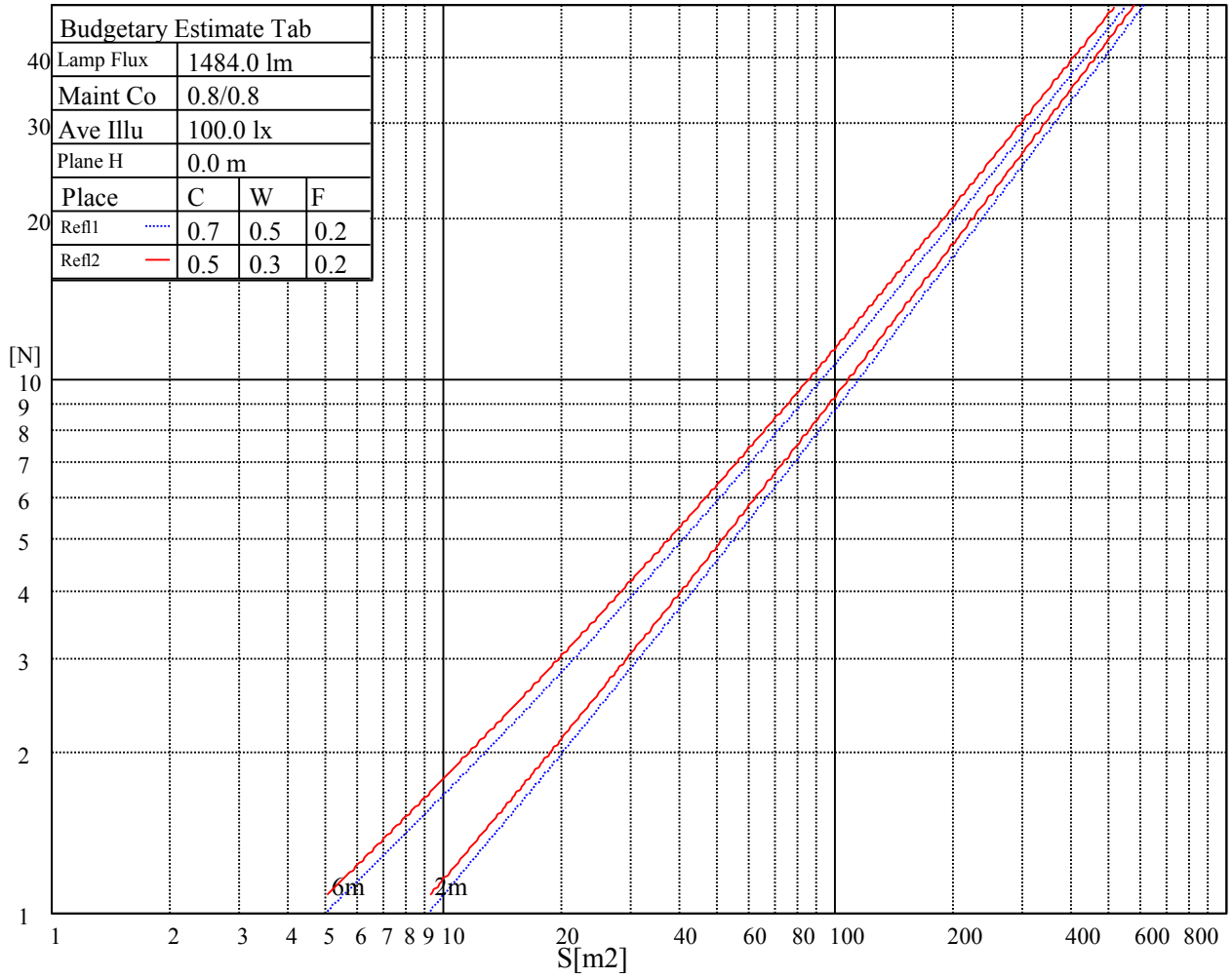
Operator: NT
Distance(m): 7.30

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	13.25	14.22	13.61	14.53	14.84	12.93	13.90	13.29	14.21	14.52
	3H	13.81	14.67	14.20	15.01	15.35	13.51	14.37	13.90	14.71	15.06
	4H	13.92	14.71	14.32	15.07	15.44	13.62	14.42	14.02	14.78	15.14
	6H	13.96	14.69	14.38	15.06	15.46	13.67	14.40	14.09	14.77	15.17
	8H	13.92	14.61	14.34	15.00	15.41	13.63	14.32	14.05	14.71	15.12
	12H	13.87	14.52	14.29	14.92	15.34	13.57	14.23	14.00	14.62	15.04
4H	2H	13.42	14.22	13.82	14.57	14.94	13.15	13.94	13.55	14.30	14.67
	3H	14.05	14.71	14.47	15.11	15.53	13.79	14.46	14.22	14.85	15.27
	4H	14.24	14.82	14.68	15.24	15.69	13.99	14.57	14.43	14.99	15.44
	6H	14.28	14.79	14.75	15.24	15.69	14.03	14.54	14.51	14.99	15.45
	8H	14.27	14.74	14.76	15.20	15.67	14.02	14.49	14.51	14.95	15.43
	12H	14.25	14.68	14.74	15.13	15.65	13.99	14.42	14.48	14.88	15.40
8H	4H	14.17	14.64	14.65	15.10	15.57	13.93	14.40	14.42	14.86	15.33
	6H	14.23	14.62	14.74	15.10	15.61	14.00	14.39	14.51	14.86	15.38
	8H	14.29	14.61	14.83	15.14	15.63	14.05	14.37	14.59	14.90	15.40
	12H	14.28	14.52	14.82	15.04	15.56	14.03	14.28	14.57	14.79	15.32
12H	4H	14.13	14.56	14.62	15.01	15.53	13.89	14.32	14.38	14.78	15.30
	6H	14.24	14.56	14.77	15.08	15.58	14.01	14.33	14.54	14.85	15.35
	8H	14.26	14.51	14.81	15.03	15.55	14.03	14.27	14.57	14.79	15.31

Variation with the observer position at spacings:		
S = 1.0H	1.6/-1.0	1.6/-1.0
S = 1.5H	2.8/-1.5	2.8/-1.5
S = 2.0H	4.7/-1.9	4.7/-1.9
Standard tables:	BK2	BK2
Uncorrected UGR	-2.7	-2.7

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

Budgetary Estimate Table

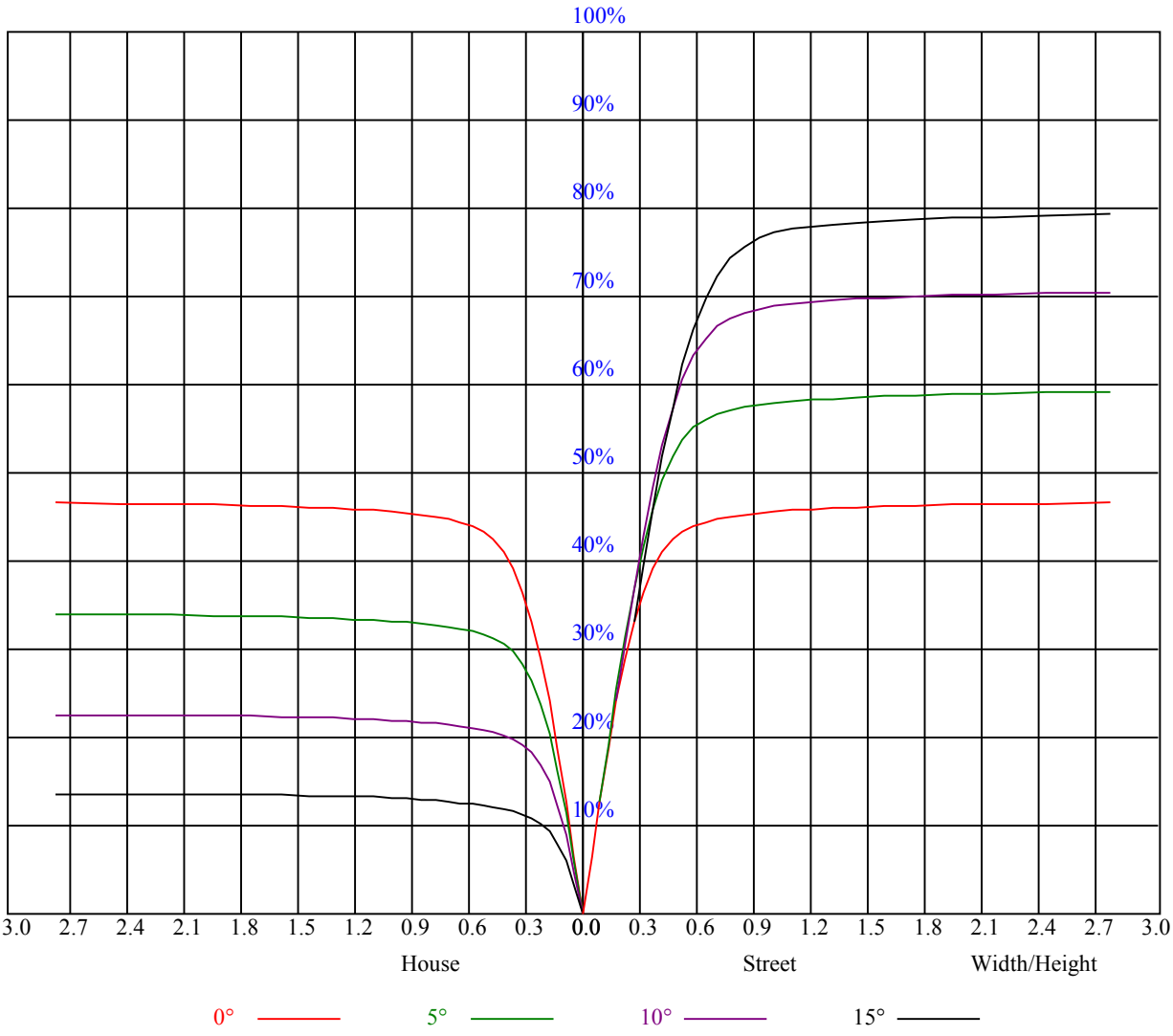


Equipment: GMS 1800 Date: 2025/2/27 Operator: NT
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.30

Utilization factor table for indoor luminaire

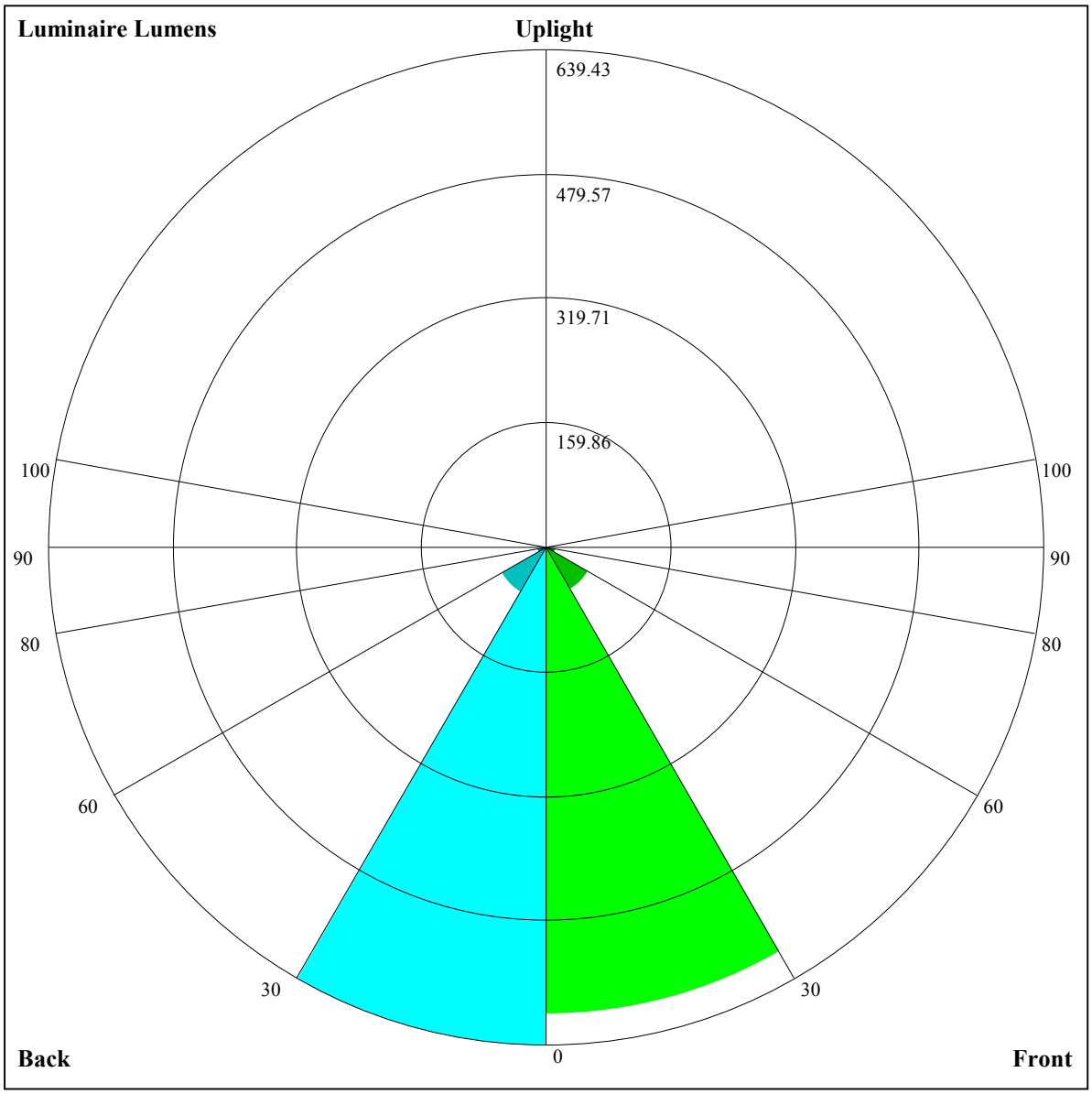
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.03	1.01	1.03	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89
2	0.99	0.95	0.93	0.97	0.94	0.91	0.94	0.92	0.89	0.91	0.89	0.88	0.89	0.87	0.86	0.84
3	0.93	0.89	0.86	0.92	0.88	0.85	0.90	0.87	0.84	0.87	0.85	0.83	0.85	0.83	0.82	0.80
4	0.89	0.84	0.81	0.88	0.84	0.81	0.86	0.82	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.77
5	0.85	0.80	0.77	0.84	0.79	0.76	0.82	0.78	0.76	0.81	0.78	0.75	0.79	0.77	0.74	0.73
6	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.78	0.74	0.72	0.76	0.74	0.71	0.70
7	0.78	0.73	0.70	0.77	0.73	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.67
8	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.65
9	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.62
10	0.69	0.65	0.62	0.69	0.64	0.62	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.60

Coefficient Utilization Curve



Equipment: GMS 1800	Date: 2025/2/27	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.30

LCS Graph



Luminaire Lumens:

FL=600.39,FM=61.96,FH=11.36,FVH=1.24

BL=639.43,BM=67,BH=12.78,BVH=1.77

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	3489.59	3478.40	3464.01	3440.03	3402.73	3353.17	3290.82	3246.05	3110.16
45.0	3491.72	3482.66	3465.08	3440.03	3406.99	3357.43	3293.48	3214.61	3118.16
90.0	3470.94	3448.02	3417.11	3375.02	3320.13	3264.71	3160.26	3076.06	2949.76
135.0	3489.59	3482.66	3463.48	3440.03	3408.59	3368.09	3315.33	3248.19	3165.59
180.0	3489.59	3492.79	3487.46	3475.20	3457.08	3435.77	3402.73	3361.16	3307.87
225.0	3491.72	3492.79	3486.39	3470.94	3459.21	3424.04	3385.67	3357.43	3279.63
270.0	3470.94	3487.99	3496.52	3499.18	3493.32	3480.53	3460.28	3434.17	3400.06
315.0	3489.59	3496.52	3495.45	3490.12	3478.93	3461.35	3431.50	3386.21	3329.72
360.0	3489.59	3478.40	3464.01	3440.03	3402.73	3353.17	3290.82	3246.05	3110.16

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3039.82	2903.93	2683.31	2580.46	2400.34	2212.76	2023.05	1836.53	1653.22
45.0	3001.45	2866.63	2712.62	2544.76	2439.78	2185.05	2073.14	1883.43	1620.71
90.0	2803.21	2640.15	2467.49	2289.50	2106.18	1922.33	1736.35	1554.63	1377.17
135.0	3067.00	2949.76	2812.81	2659.86	2493.07	2317.21	2137.62	1954.30	1767.79
180.0	3242.32	3160.79	3060.60	2939.64	2803.21	2651.34	2484.01	2343.85	2128.03
225.0	3238.06	3152.26	3051.55	2931.64	2795.22	2646.01	2481.88	2311.35	2138.15
270.0	3355.30	3292.42	3215.68	3120.82	3006.78	2874.62	2785.63	2566.07	2399.28
315.0	3260.44	3173.58	3065.93	2937.50	2791.49	2630.55	2457.36	2275.64	2091.79
360.0	3039.82	2903.93	2683.31	2580.46	2400.34	2212.76	2023.05	1836.53	1653.22

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1472.03	1215.70	1001.69	1001.69	819.76	682.86	583.10	452.17	381.08
45.0	1509.87	1330.81	1160.82	1000.41	851.20	712.65	588.48	481.90	390.24
90.0	991.83	991.83	900.33	759.81	681.79	521.28	461.65	373.94	302.15
135.0	1583.41	1404.88	1266.33	1068.62	945.52	801.11	643.90	551.18	449.93
180.0	1980.95	1801.89	1624.97	1448.58	1275.92	1110.19	951.92	803.77	670.55
225.0	1962.83	1786.44	1613.25	1441.65	1057.43	1057.43	995.08	847.31	709.45
270.0	2296.96	2122.17	1944.18	1767.79	1595.66	1426.73	1259.94	1099.53	946.59
315.0	1907.94	1724.62	1544.50	1436.86	1038.94	1038.94	913.34	767.00	631.65
360.0	1472.03	1215.70	1001.69	1001.69	819.76	682.86	583.10	452.17	381.08

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	306.31	246.09	197.55	158.16	128.16	105.25	87.82	75.30	66.83
45.0	314.57	263.95	263.95	171.11	128.59	106.79	96.30	82.17	71.83
90.0	244.76	198.03	159.92	130.56	108.29	91.45	78.87	69.76	62.88
135.0	363.60	291.66	279.40	219.24	150.86	122.41	100.82	90.59	73.27
180.0	552.24	448.86	361.47	288.46	288.46	183.10	160.40	130.08	106.42
225.0	585.71	477.69	384.97	308.12	246.15	196.27	158.06	128.27	105.19
270.0	803.77	672.15	554.38	450.46	363.06	291.66	267.68	220.99	159.12
315.0	512.81	412.46	329.81	263.20	209.48	167.01	134.82	109.83	91.23
360.0	306.31	246.09	197.55	158.16	128.16	105.25	87.82	75.30	66.83

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	60.59	55.69	52.06	49.08	46.79	44.87	43.22	41.83	40.55
45.0	64.32	58.99	54.52	50.89	48.17	45.78	43.59	41.67	39.91
90.0	57.87	53.82	50.36	47.43	44.87	42.69	40.77	39.49	37.62
135.0	65.23	61.44	56.22	50.89	48.97	46.31	44.02	42.10	40.29
180.0	88.57	75.78	66.72	60.00	54.94	51.16	48.12	45.62	43.64
225.0	87.98	75.57	66.51	59.58	54.78	50.95	47.85	46.42	43.06
270.0	129.28	106.47	89.79	77.22	68.32	62.08	57.34	53.82	51.05
315.0	82.65	68.21	63.79	58.14	52.65	50.79	48.12	45.94	44.12
360.0	60.59	55.69	52.06	49.08	46.79	44.87	43.22	41.83	40.55

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	39.75	38.37	36.56	35.70	34.43	33.20	31.92	30.59	29.20
45.0	38.37	36.77	35.38	33.95	32.51	31.17	30.38	29.04	27.23
90.0	36.24	35.12	33.79	32.56	31.44	30.16	28.99	27.87	26.65
135.0	38.74	37.30	35.86	34.53	33.41	32.13	30.96	29.95	28.94
180.0	41.78	40.23	38.80	37.46	36.08	34.80	33.47	32.24	30.96
225.0	41.83	40.07	37.94	37.14	35.70	34.21	32.93	31.71	30.75
270.0	48.87	46.90	45.08	43.16	41.41	39.49	37.20	35.54	34.21
315.0	42.47	41.09	39.91	38.58	37.30	36.13	34.96	33.79	32.61
360.0	39.75	38.37	36.56	35.70	34.43	33.20	31.92	30.59	29.20

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.82	26.43	24.94	23.50	22.06	20.73	19.45	18.17	16.89
45.0	26.38	25.05	23.71	22.28	21.05	19.77	18.44	17.11	15.99
90.0	25.37	24.19	22.86	21.64	20.52	19.34	18.33	17.16	15.99
135.0	27.76	26.59	25.58	24.46	23.23	22.38	21.05	20.25	19.08
180.0	30.00	28.88	27.55	26.59	25.47	24.30	23.18	22.06	21.00
225.0	29.58	28.40	27.50	26.33	25.31	23.87	22.81	21.58	20.41
270.0	33.52	31.87	31.23	30.16	28.99	27.87	26.70	25.47	24.30
315.0	31.39	30.27	28.99	28.19	26.38	25.05	24.25	22.33	21.58
360.0	27.82	26.43	24.94	23.50	22.06	20.73	19.45	18.17	16.89

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	15.56	14.23	13.16	12.58	11.56	10.28	9.75	8.85	7.99
45.0	14.87	13.54	12.47	11.62	10.66	9.81	8.95	8.15	7.35
90.0	14.60	13.64	13.00	11.62	11.08	10.13	9.17	8.37	7.57
135.0	17.96	16.84	15.56	14.60	13.64	12.74	11.88	10.98	10.18
180.0	19.93	18.86	17.85	16.79	15.61	14.71	13.80	13.00	12.20
225.0	19.34	18.39	17.16	15.93	14.97	13.96	13.16	12.36	11.56
270.0	23.18	21.90	20.62	19.40	18.28	17.00	15.67	14.71	13.70
315.0	20.25	18.97	17.80	16.52	14.97	14.02	13.00	12.10	11.14
360.0	15.56	14.23	13.16	12.58	11.56	10.28	9.75	8.85	7.99

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.19	6.45	5.65	5.17	4.74	4.21	3.73	3.30	2.82
45.0	6.71	6.13	5.38	5.01	4.48	4.00	3.62	3.14	2.72
90.0	6.77	6.08	5.60	5.12	4.58	4.16	3.62	3.14	2.66
135.0	9.43	8.63	7.89	7.30	6.82	6.45	5.70	5.22	4.85
180.0	11.35	10.55	9.75	9.01	8.58	7.62	7.35	6.87	6.39
225.0	10.92	10.34	9.75	9.11	8.47	7.83	7.41	6.93	6.45
270.0	12.74	11.83	10.92	10.39	9.27	8.85	8.10	7.51	7.03
315.0	10.34	9.49	8.69	7.89	7.19	6.71	6.18	5.76	5.28
360.0	7.19	6.45	5.65	5.17	4.74	4.21	3.73	3.30	2.82

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.45	2.13	1.76	1.44	1.07	0.75	0.48	0.37	0.27
45.0	2.34	1.97	1.55	1.12	0.75	0.48	0.27	0.16	0.21
90.0	2.29	1.97	1.55	1.17	0.80	0.59	0.37	0.32	0.32
135.0	4.10	3.68	3.36	2.93	2.34	2.03	1.44	1.17	0.91
180.0	5.86	5.22	4.74	4.26	3.73	3.25	2.77	2.29	1.81
225.0	5.97	5.60	5.12	4.64	4.10	3.73	3.25	2.77	2.34
270.0	6.61	5.97	5.60	5.12	4.58	4.26	3.84	3.41	2.93
315.0	4.90	4.48	4.00	3.73	3.41	2.98	2.56	2.08	1.65
360.0	2.45	2.13	1.76	1.44	1.07	0.75	0.48	0.37	0.27

Intensity data(cd)

C/γ(°)	90.0
0.0	0.21
45.0	0.21
90.0	0.37
135.0	0.69
180.0	1.49
225.0	2.08
270.0	2.50
315.0	1.39
360.0	0.21