NATA LIGHTING CO.,LTD.
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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

Nata

Client: NT
LumCAT: 61-0208
Luminaire: 92.70.427.00
Report No: 2024719-B012
Ballast type: AC
Test No: 2024719-C012
LampCAT: CITIZEN CLU701 LES6.0
Lamp flux(lm): 1102.2
Number of Lamps: 1
Length(mm): 45
Phm Type: C

Voltage(V): 31.330
Current(A): 0.350
Power (W): 10.960
PF: 0.000
Width(mm): 45
Height(mm): 21

Photometric Results

Lumens(lm): 1046.96, Efficiency(%): 94.99% , Luminous Efficacy(lm/W): 95.53
Central intensity(cd): 6377.562, Maximum intensity(cd): 6377.562
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=22.4
[C90/270]Total=22.4
Field angle(10%Imax): [C0/180]Total=34.8
[C90/270]Total=34.8
Maximum s/h(1/2): C0_180=0.39 C90_270=0.39
Maximum s/h(1/4): C0_180=0.35 C90_270=0.35
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.99%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.186%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6377.562	0.000	0	0.00%	0.00%
1.0	6358.989	6.094	6.094	0.55%	0.58%
2.0	6287.486	18.151	24.246	1.65%	2.32%
3.0	6169.290	29.793	54.038	2.70%	5.16%
4.0	6004.220	40.749	94.787	3.70%	9.05%
5.0	5815.417	50.847	145.634	4.61%	13.91%
6.0	5526.836	59.607	205.241	5.41%	19.60%
7.0	5197.006	66.563	271.803	6.04%	25.96%
8.0	4824.895	71.725	343.528	6.51%	32.81%
9.0	4337.525	74.256	417.785	6.74%	39.90%
10.0	3872.356	74.296	492.081	6.74%	47.00%
11.0	3318.747	71.854	563.935	6.52%	53.86%
12.0	2746.552	66.302	630.237	6.02%	60.20%
13.0	2170.209	58.350	688.587	5.29%	65.77%
14.0	1590.593	48.138	736.725	4.37%	70.37%
15.0	1305.401	39.757	776.482	3.61%	74.17%
16.0	990.072	33.635	810.117	3.05%	77.38%
17.0	713.067	26.522	836.64	2.41%	79.91%
18.0	510.774	20.178	856.818	1.83%	81.84%
19.0	368.381	15.296	872.114	1.39%	83.30%
20.0	274.595	11.768	883.882	1.07%	84.42%
21.0	234.421	9.774	893.656	0.89%	85.36%
22.0	195.374	8.637	902.293	0.78%	86.18%
23.0	129.960	6.826	909.12	0.62%	86.83%
24.0	108.236	5.208	914.327	0.47%	87.33%
25.0	94.701	4.614	918.942	0.42%	87.77%
26.0	84.187	4.223	923.164	0.38%	88.18%
27.0	77.526	3.956	927.121	0.36%	88.55%
28.0	71.715	3.778	930.899	0.34%	88.91%
29.0	67.611	3.645	934.544	0.33%	89.26%
30.0	63.199	3.532	938.076	0.32%	89.60%
31.0	59.082	3.403	941.479	0.31%	89.92%
32.0	55.610	3.286	944.765	0.30%	90.24%
33.0	51.583	3.158	947.923	0.29%	90.54%
34.0	48.433	3.027	950.95	0.27%	90.83%
35.0	45.553	2.919	953.869	0.26%	91.11%
36.0	43.182	2.825	956.694	0.26%	91.38%
37.0	41.263	2.754	959.448	0.25%	91.64%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	39.581	2.698	962.146	0.24%	91.90%
39.0	37.990	2.648	964.794	0.24%	92.15%
40.0	36.547	2.600	967.394	0.24%	92.40%
41.0	35.291	2.558	969.952	0.23%	92.64%
42.0	34.034	2.519	972.471	0.23%	92.89%
43.0	32.971	2.482	974.953	0.23%	93.12%
44.0	31.999	2.452	977.405	0.22%	93.36%
45.0	31.226	2.430	979.835	0.22%	93.59%
46.0	30.710	2.422	982.257	0.22%	93.82%
47.0	30.420	2.431	984.688	0.22%	94.05%
48.0	30.324	2.456	987.144	0.22%	94.29%
49.0	30.324	2.491	989.634	0.23%	94.52%
50.0	30.433	2.533	992.167	0.23%	94.77%
51.0	30.517	2.579	994.746	0.23%	95.01%
52.0	30.530	2.620	997.366	0.24%	95.26%
53.0	30.440	2.652	1000.018	0.24%	95.52%
54.0	29.956	2.662	1002.68	0.24%	95.77%
55.0	29.241	2.642	1005.322	0.24%	96.02%
56.0	28.481	2.608	1007.931	0.24%	96.27%
57.0	27.283	2.550	1010.48	0.23%	96.52%
58.0	25.814	2.455	1012.936	0.22%	96.75%
59.0	24.313	2.343	1015.279	0.21%	96.97%
60.0	22.703	2.221	1017.5	0.20%	97.19%
61.0	21.118	2.091	1019.592	0.19%	97.39%
62.0	19.597	1.962	1021.553	0.18%	97.57%
63.0	18.277	1.842	1023.395	0.17%	97.75%
64.0	16.917	1.727	1025.122	0.16%	97.91%
65.0	15.822	1.620	1026.743	0.15%	98.07%
66.0	14.650	1.520	1028.263	0.14%	98.21%
67.0	13.754	1.428	1029.691	0.13%	98.35%
68.0	12.878	1.349	1031.04	0.12%	98.48%
69.0	12.073	1.273	1032.313	0.12%	98.60%
70.0	11.396	1.205	1033.519	0.11%	98.72%
71.0	10.662	1.140	1034.659	0.10%	98.82%
72.0	10.063	1.078	1035.736	0.10%	98.93%
73.0	9.451	1.020	1036.757	0.09%	99.03%
74.0	8.916	0.966	1037.722	0.09%	99.12%
75.0	8.381	0.914	1038.636	0.08%	99.20%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.814	0.860	1039.496	0.08%	99.29%
77.0	7.312	0.806	1040.302	0.07%	99.36%
78.0	6.809	0.756	1041.058	0.07%	99.44%
79.0	6.384	0.709	1041.767	0.06%	99.50%
80.0	5.972	0.666	1042.433	0.06%	99.57%
81.0	5.521	0.622	1043.055	0.06%	99.63%
82.0	5.160	0.579	1043.634	0.05%	99.68%
83.0	4.767	0.540	1044.174	0.05%	99.73%
84.0	4.387	0.499	1044.673	0.05%	99.78%
85.0	4.059	0.461	1045.134	0.04%	99.83%
86.0	3.788	0.429	1045.562	0.04%	99.87%
87.0	3.472	0.397	1045.96	0.04%	99.90%
88.0	3.124	0.361	1046.321	0.03%	99.94%
89.0	2.912	0.331	1046.652	0.03%	99.97%
90.0	2.738	0.310	1046.962	0.03%	100.00%

Zonal flux distribution table

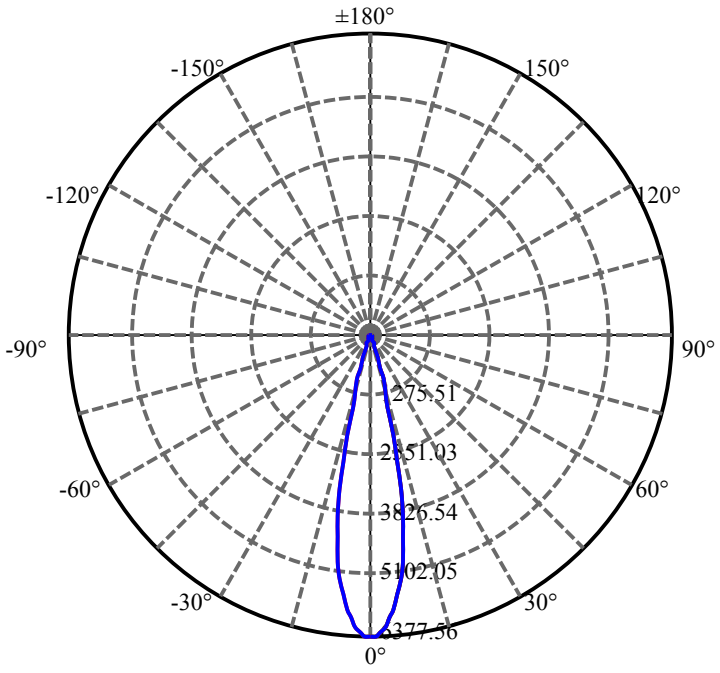
ZONAL LUMEN SUMMARY

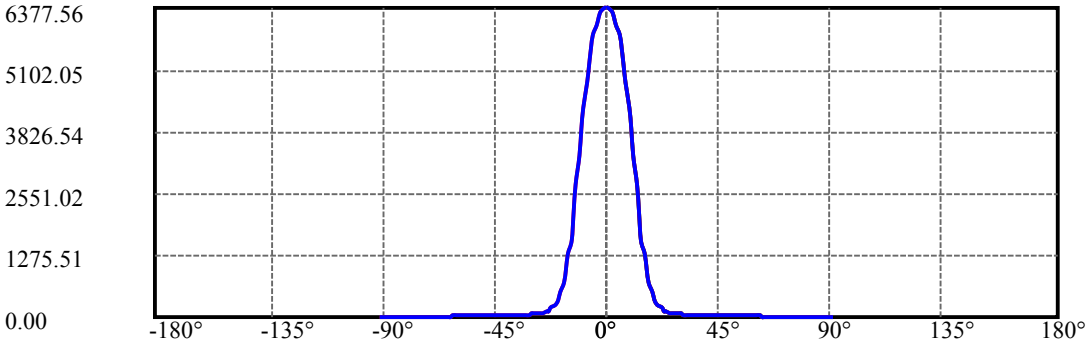
Zone	Lumens	%Lamp	%Fixt
0-30	938.08	85.11%	89.60%
0-40	967.39	87.77%	92.40%
0-60	1017.50	92.32%	97.19%
0-90	1046.65	94.96%	99.97%
0-120	1046.65	94.96%	99.97%
0-180	1046.96	94.99%	100.00%
60-90	29.15	2.64%	2.78%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-17.05	837.57	75.99%	80.00%

ZONAL LUMEN SUMMARY

0-10	492.08
10-20	391.80
20-30	54.19
30-40	29.32
40-50	24.77
50-60	25.33
60-70	16.02
70-80	8.91
80-90	4.22
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):

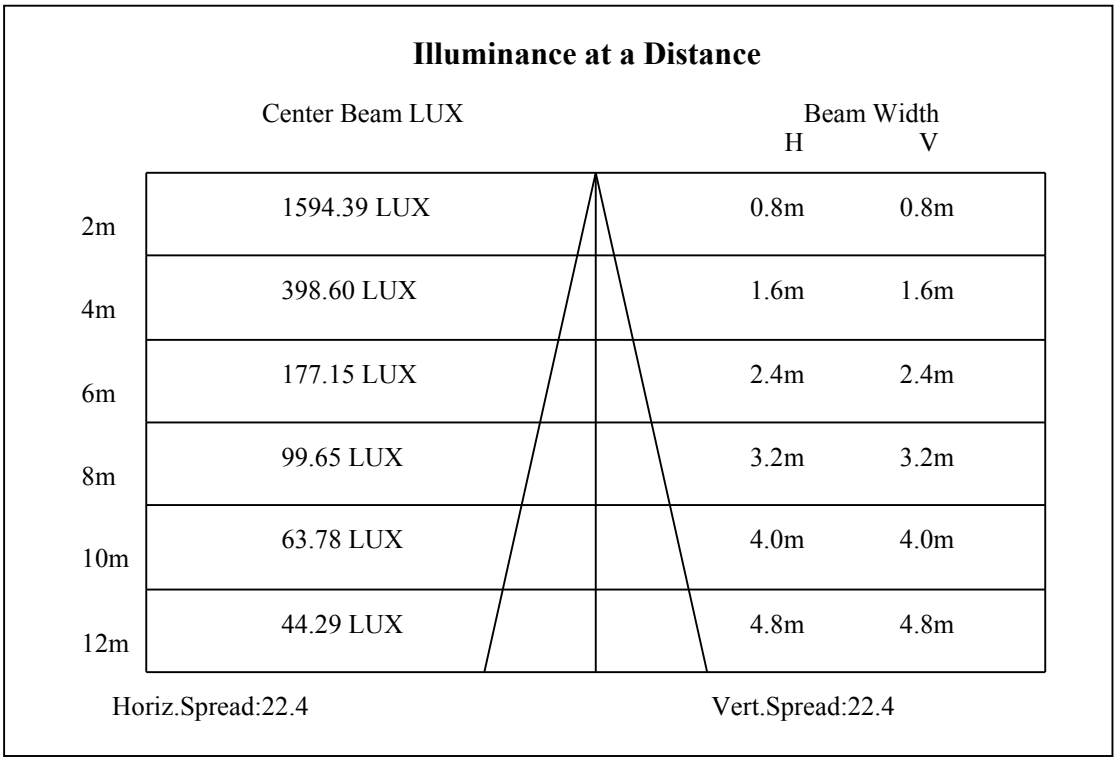
C0/C180:

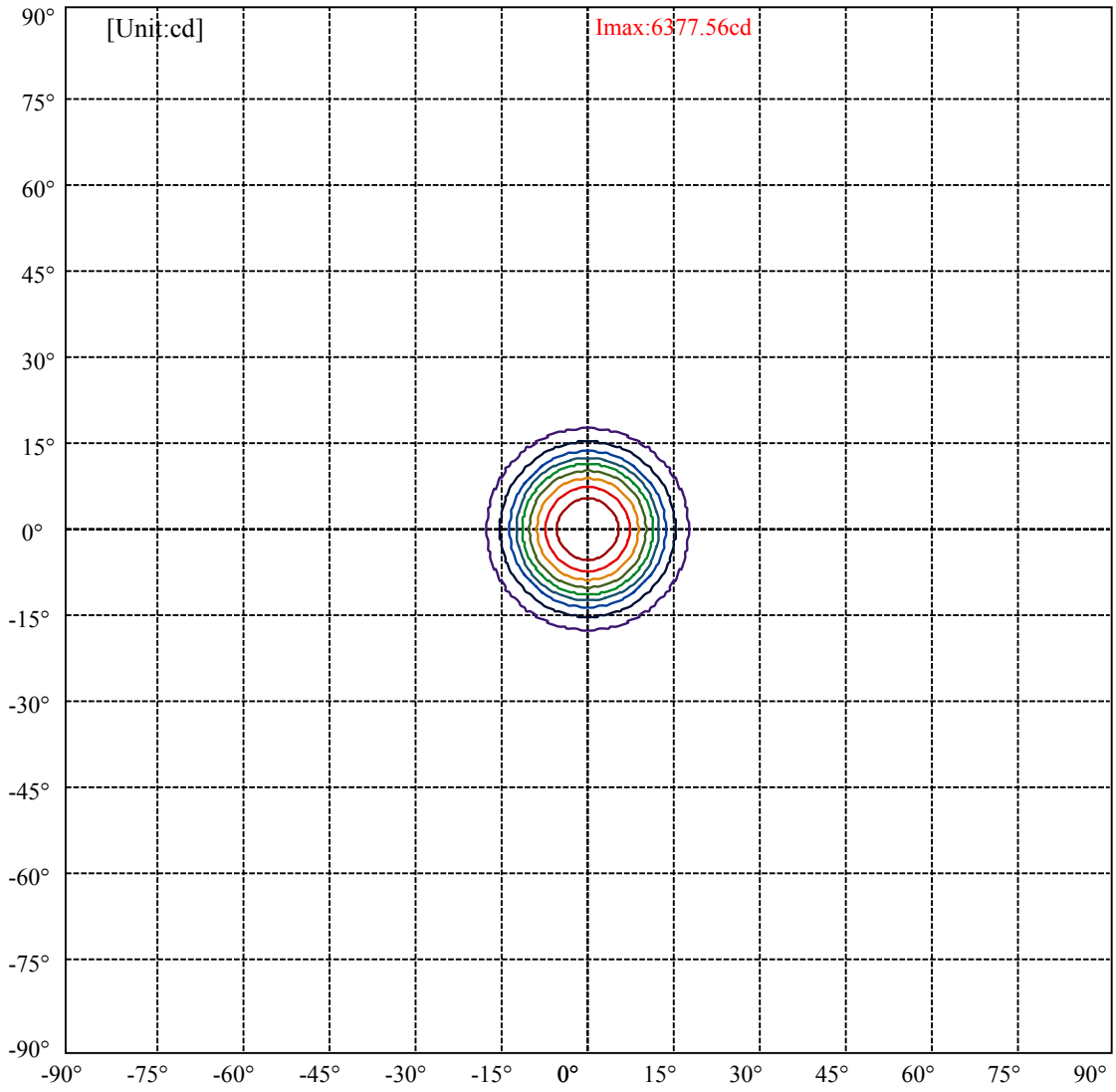
C90/C270:

Field angle(10%Imax):C0/180Left:17.4 Right:17.4
:C90/270Left:17.4 Right:17.4

Beam Angle(50%Imax):C0/180Left:11.2 Right:11.2
:C90/270Left:11.2 Right:11.2

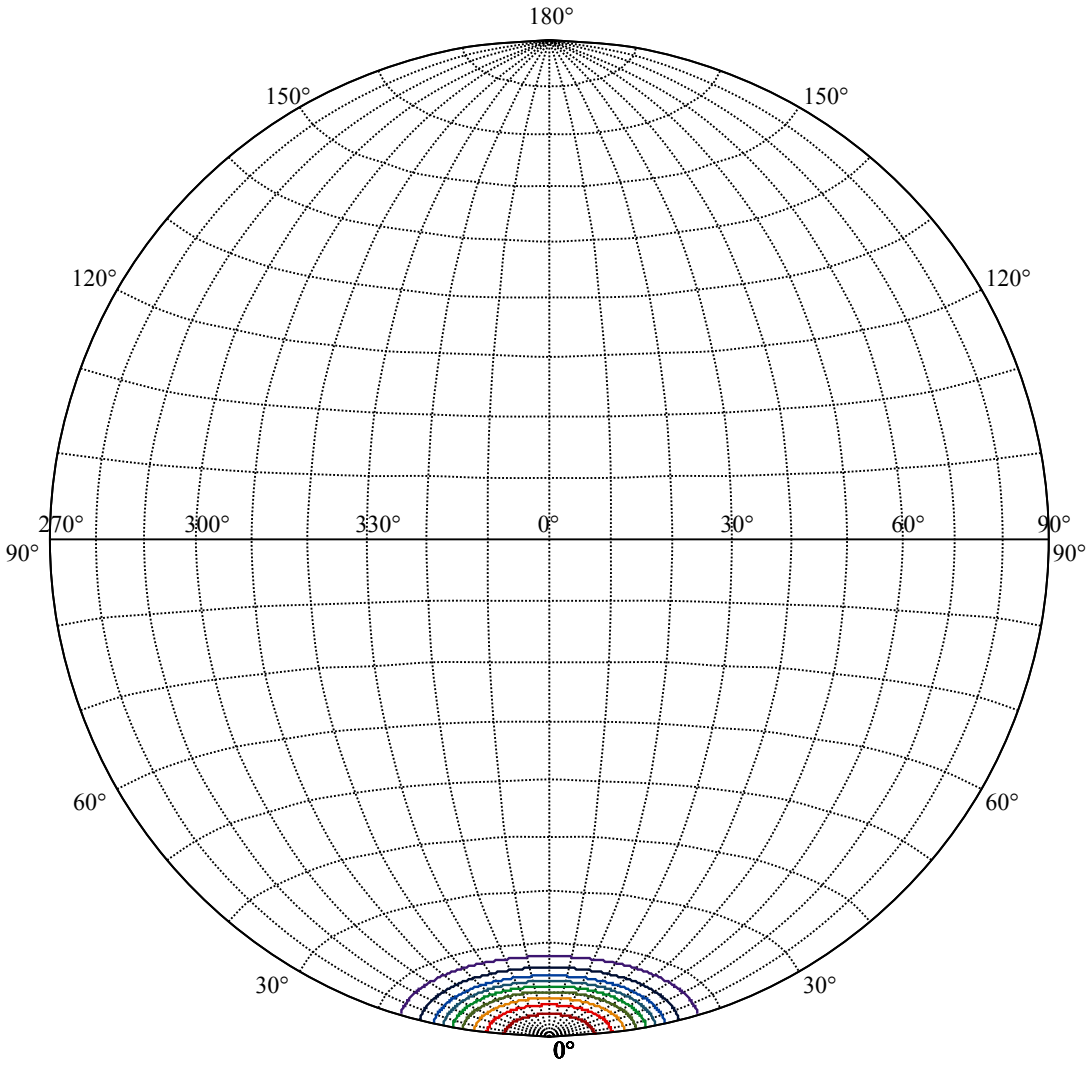
Lux distance Curve





(10%Imax) 637.756
(20%Imax) 1275.51
(30%Imax) 1913.27
(40%Imax) 2551.02
(50%Imax) 3188.78
(60%Imax) 3826.54
(70%Imax) 4464.29
(80%Imax) 5102.05
(90%Imax) 5739.81

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:6377.56

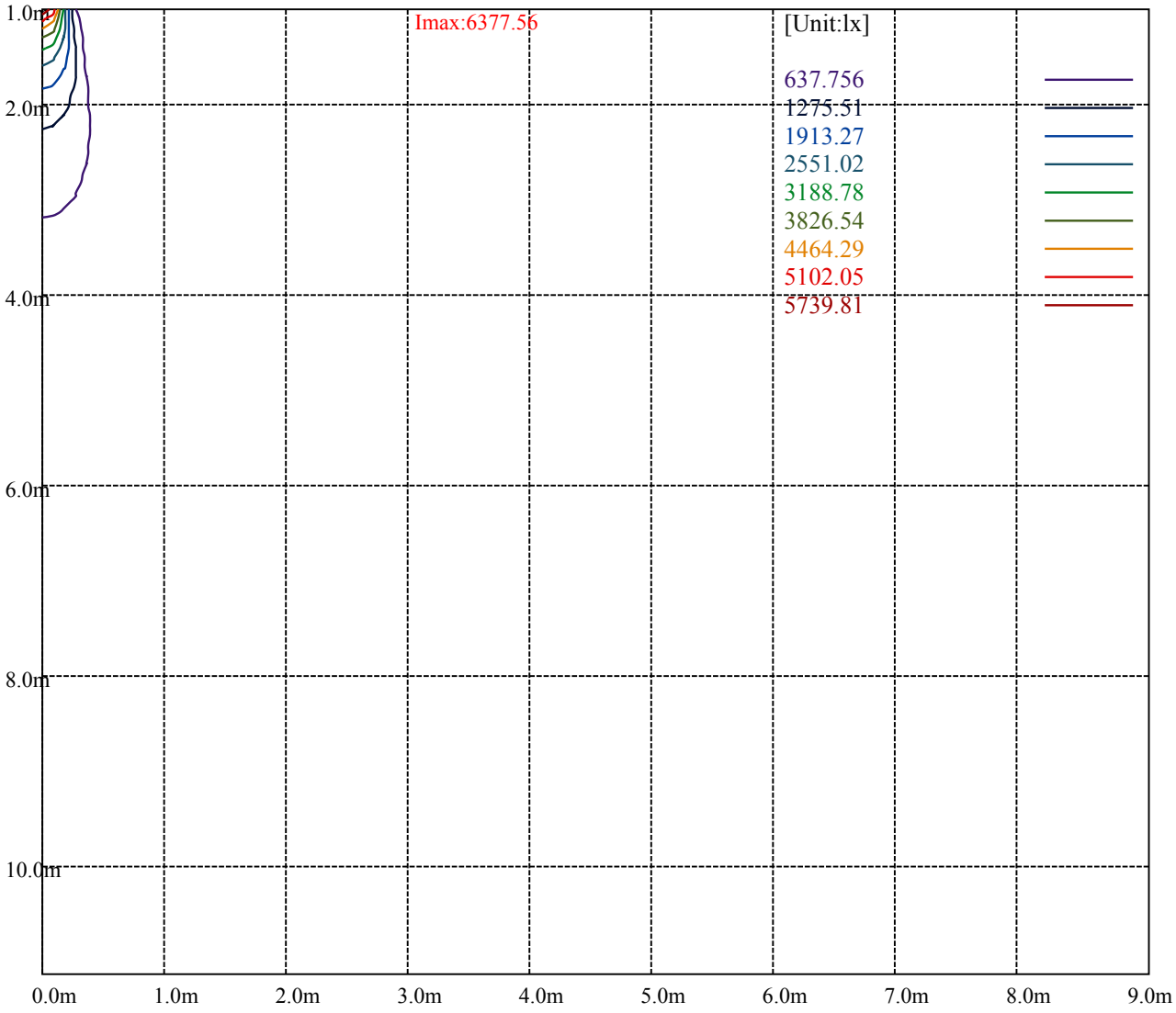
(10%Imax) 637.756
(20%Imax) 1275.51
(30%Imax) 1913.27
(40%Imax) 2551.02
(50%Imax) 3188.78
(60%Imax) 3826.54
(70%Imax) 4464.29
(80%Imax) 5102.05
(90%Imax) 5739.81

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/7/19
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.18

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/7/19
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.18

NT Nata 61-0208

Luminance Limitting Curve(no luminous side)

Luminance Table

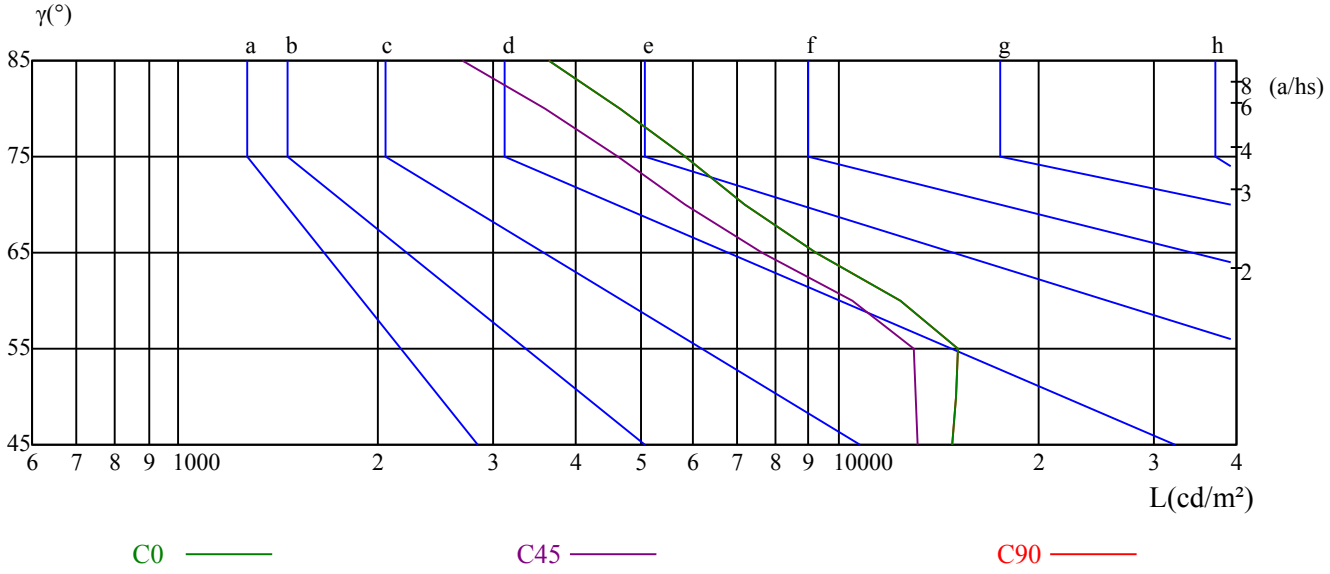
γ	45	50	55	60	65	70	75	80	85
C0	14869	15025	15107	12400	9241	7210	5833	4657	3631
C45	13137	13087	12960	10463	7655	5849	4618	3581	2692
C90	14869	15025	15107	12400	9241	7210	5833	4657	3631

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
18488	18488	18488	15992	15992	15992	22996	22996	22996

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

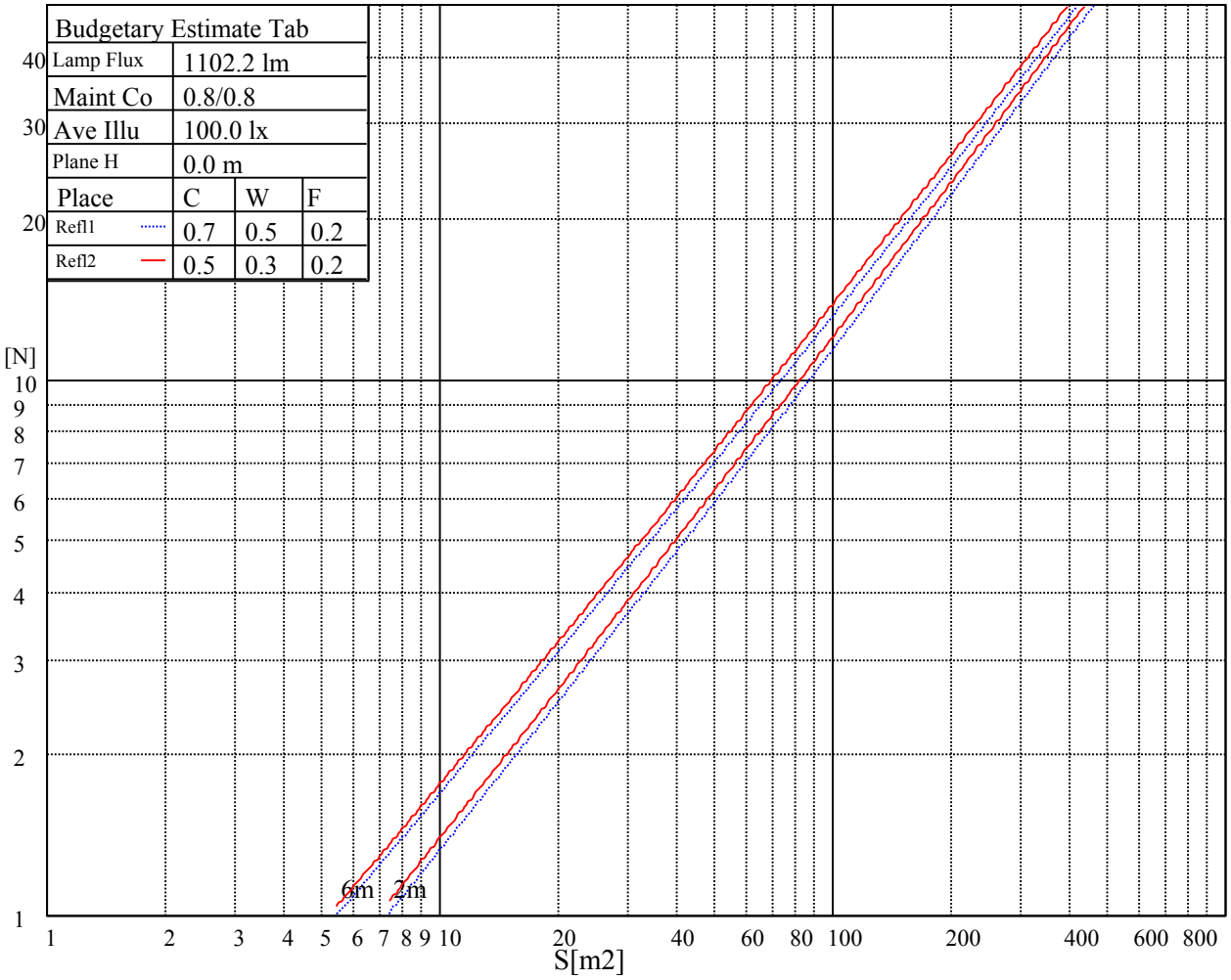


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	14.95	15.95	15.31	16.26	16.57	15.09	16.09	15.45	16.40	16.71
	3H	15.88	16.76	16.26	17.10	17.45	16.03	16.92	16.42	17.26	17.60
	4H	16.21	17.04	16.61	17.39	17.76	16.37	17.19	16.77	17.55	17.92
	6H	16.51	17.26	16.93	17.64	18.04	16.67	17.42	17.08	17.80	18.19
	8H	16.61	17.33	17.03	17.71	18.12	16.75	17.47	17.17	17.85	18.26
	12H	16.68	17.36	17.11	17.76	18.17	16.82	17.50	17.24	17.89	18.31
4H	2H	15.44	16.26	15.84	16.62	16.99	15.55	16.38	15.95	16.73	17.10
	3H	16.46	17.15	16.89	17.55	17.97	16.59	17.28	17.02	17.68	18.09
	4H	16.93	17.53	17.37	17.96	18.41	17.06	17.66	17.50	18.09	18.54
	6H	17.29	17.81	17.76	18.27	18.72	17.41	17.94	17.89	18.39	18.85
	8H	17.45	17.94	17.94	18.40	18.87	17.56	18.05	18.05	18.51	18.98
	12H	17.59	18.04	18.08	18.49	19.01	17.70	18.15	18.19	18.60	19.12
8H	4H	17.03	17.52	17.52	17.98	18.45	17.15	17.64	17.64	18.10	18.57
	6H	17.50	17.90	18.00	18.38	18.89	17.61	18.01	18.12	18.49	19.00
	8H	17.79	18.12	18.32	18.64	19.14	17.88	18.22	18.41	18.74	19.24
	12H	18.01	18.27	18.55	18.78	19.31	18.10	18.36	18.64	18.87	19.40
12H	4H	17.02	17.47	17.51	17.93	18.45	17.14	17.59	17.63	18.04	18.56
	6H	17.57	17.90	18.10	18.43	18.92	17.68	18.01	18.21	18.53	19.03
	8H	17.85	18.11	18.39	18.63	19.15	17.94	18.20	18.49	18.72	19.24

Variation with the observer position at spacings:		
S = 1.0H	0.2/-0.6	0.2/-0.6
S = 1.5H	0.5/-0.9	0.5/-0.9
S = 2.0H	1.6/-1.4	1.6/-1.4
Standard tables:	BK3	BK3
Uncorrected UGR	-0.8	-0.8

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

Budgetary Estimate Table

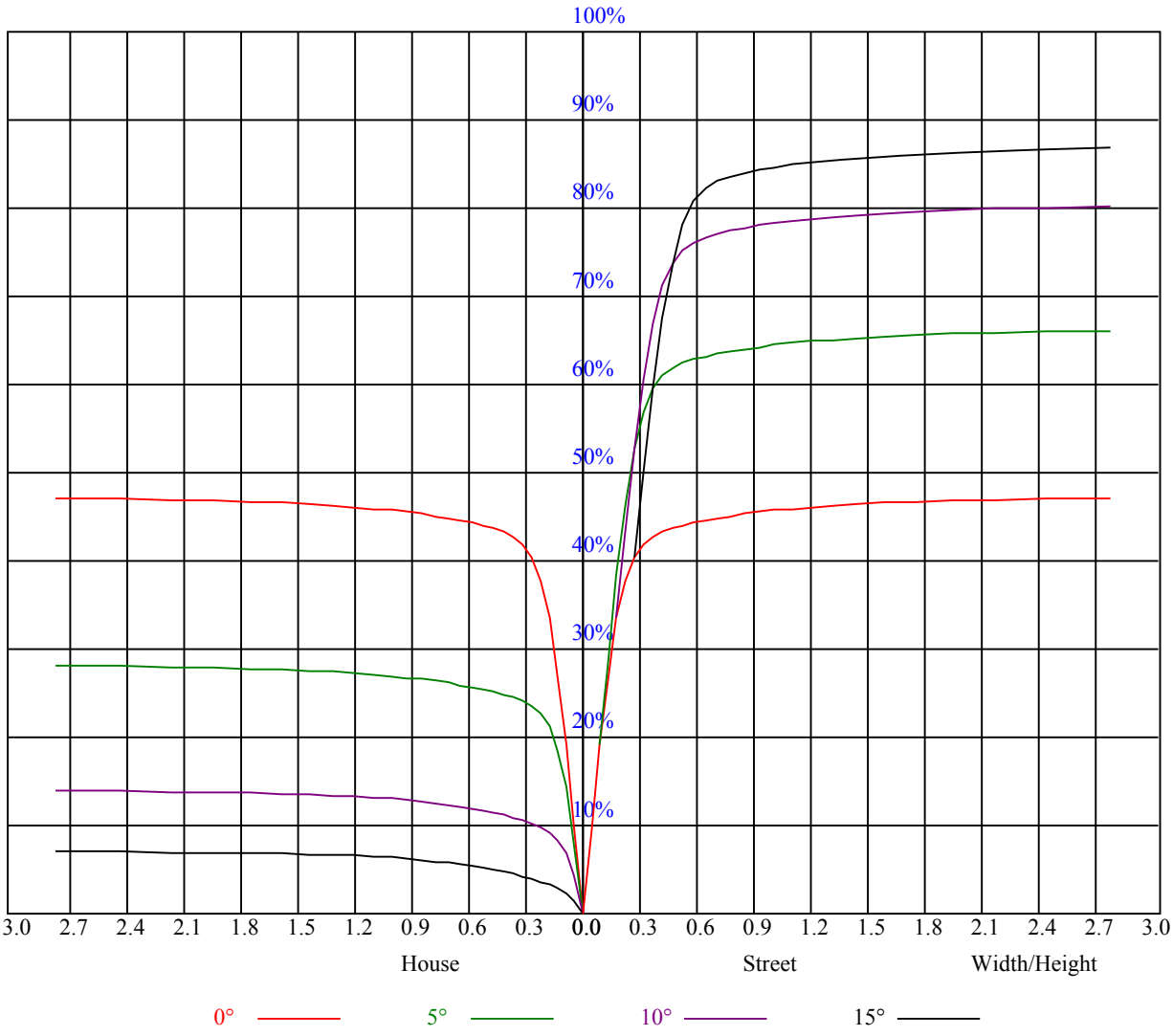


Equipment: GMS 1800 Date: 2024/7/19 Operator: NT
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.18

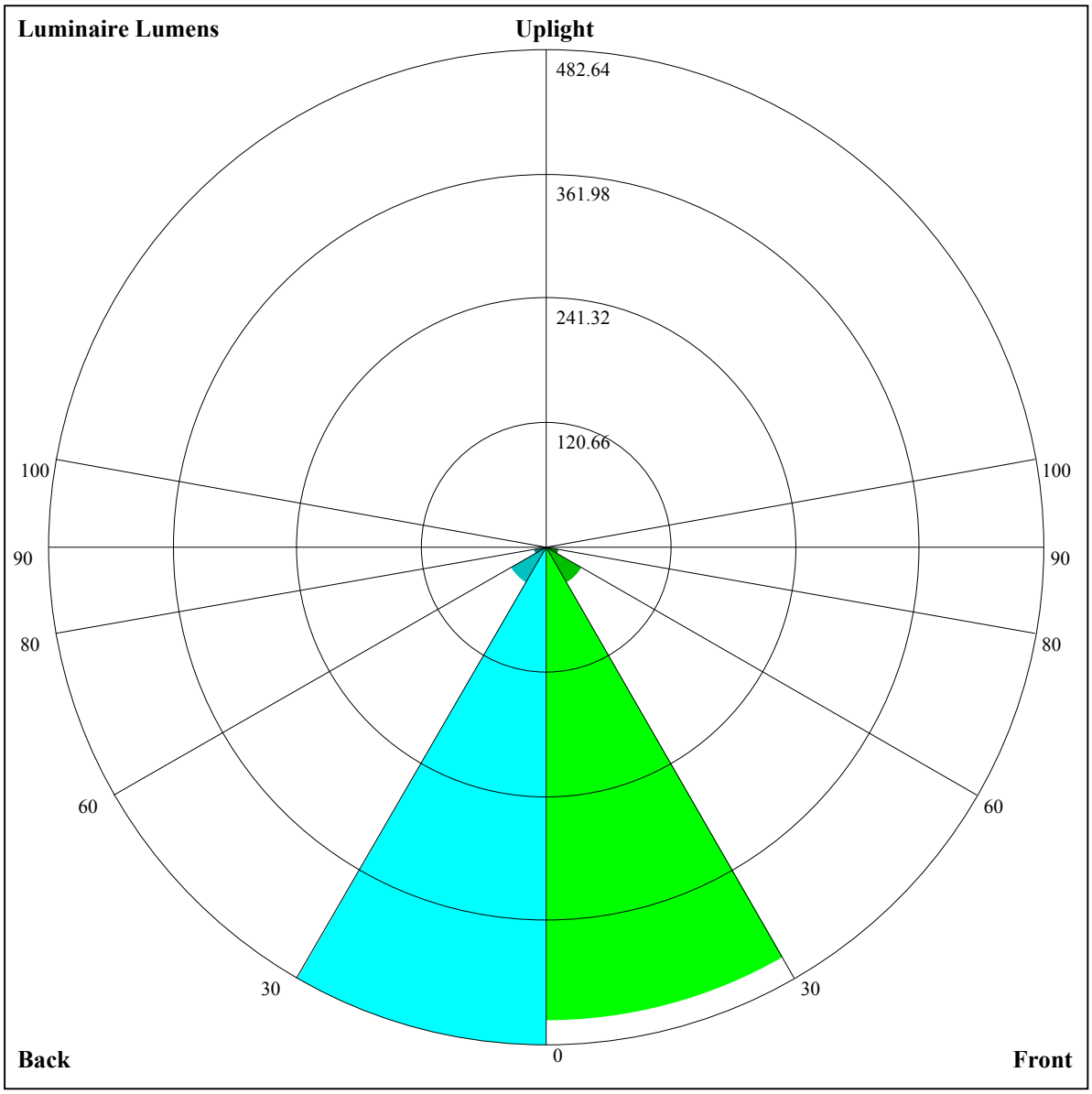
Utilization factor table for indoor luminaire

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	1.13	1.13	1.13	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.07	1.05	1.03	1.05	1.03	1.02	1.01	1.00	0.98	0.98	0.96	0.96	0.94	0.94	0.93	0.91
2	1.02	0.99	0.96	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.93	0.91	0.92	0.90	0.89	0.88
3	0.97	0.94	0.91	0.96	0.93	0.90	0.94	0.91	0.89	0.92	0.89	0.88	0.90	0.88	0.86	0.85
4	0.94	0.90	0.87	0.93	0.89	0.86	0.91	0.88	0.85	0.89	0.87	0.85	0.87	0.85	0.84	0.82
5	0.91	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.80
6	0.88	0.84	0.81	0.87	0.83	0.81	0.86	0.83	0.80	0.85	0.82	0.80	0.84	0.81	0.79	0.78
7	0.85	0.81	0.79	0.85	0.81	0.79	0.84	0.81	0.78	0.83	0.80	0.78	0.82	0.79	0.77	0.77
8	0.83	0.79	0.77	0.83	0.79	0.77	0.82	0.79	0.76	0.81	0.78	0.76	0.80	0.78	0.76	0.75
9	0.81	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.75	0.79	0.77	0.74	0.79	0.76	0.74	0.73
10	0.79	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.73	0.78	0.75	0.73	0.77	0.75	0.73	0.72

Coefficient Utilization Curve



Equipment: GMS 1800	Date: 2024/7/19	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.18



Luminaire Lumens:
FL=460.42,FM=39.55,FH=12.45,FVH=2.26
BL=482.64,BM=40.01,BH=12.58,BVH=2.28
UL=0,UH=0

BUG Rating:B1-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	6360.88	6283.31	6163.13	5983.41	5767.06	5494.99	5159.58	4781.54	4326.46
45.0	6384.94	6378.91	6331.40	6236.36	6089.37	5979.60	5752.32	5352.95	5157.93
90.0	6394.79	6375.67	6292.07	6173.54	6005.78	5807.51	5536.53	5201.12	4802.83
135.0	6369.64	6396.39	6353.25	6293.72	6175.70	6018.92	5822.25	5546.37	5204.93
180.0	6360.88	6393.14	6370.20	6284.96	6156.01	6019.44	5750.15	5477.00	5213.64
225.0	6384.94	6338.51	6238.53	6074.63	5862.66	5594.97	5271.57	4886.99	4422.07
270.0	6394.79	6379.48	6316.09	6237.96	6098.65	5991.61	5636.51	5454.01	5075.47
315.0	6369.64	6326.50	6235.23	6069.74	5878.53	5616.31	5285.79	4876.07	4395.83
360.0	6360.88	6283.31	6163.13	5983.41	5767.06	5494.99	5159.58	4781.54	4326.46

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3817.32	3252.41	2696.32	2162.54	1416.83	1039.99	1039.99	741.89	530.12
45.0	4786.44	4349.97	3856.64	3327.81	2789.70	2245.05	1752.29	1313.60	951.39
90.0	4334.66	3810.77	3257.36	2697.91	2168.57	1420.13	979.12	979.12	695.92
135.0	4783.71	4294.25	3761.61	3313.07	2732.91	2078.43	1682.36	1255.16	912.07
180.0	4819.22	4347.75	3817.32	3251.33	2677.20	2131.41	1629.89	1209.24	878.21
225.0	3899.27	3335.49	2744.92	2182.79	1417.97	974.79	974.79	694.84	495.18
270.0	4408.98	4078.46	3491.70	2900.61	2324.83	1800.38	1350.19	979.79	703.91
315.0	3850.61	3509.74	2924.11	2136.35	1833.67	1034.57	1034.57	746.94	537.75
360.0	3817.32	3252.41	2696.32	2162.54	1416.83	1039.99	1039.99	741.89	530.12

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	382.57	281.29	211.77	165.95	135.29	114.21	99.16	87.98	79.99
45.0	675.51	475.03	337.88	296.40	296.40	151.21	115.75	105.09	91.79
90.0	491.00	349.79	255.89	192.39	150.65	123.49	105.19	91.79	82.20
135.0	650.41	466.83	342.26	287.12	287.12	154.41	136.58	107.71	94.16
180.0	633.45	459.72	337.37	317.17	282.17	164.20	121.37	109.11	94.01
225.0	357.47	264.44	197.18	152.24	122.20	102.20	88.03	78.70	72.31
270.0	506.72	364.68	300.78	300.78	157.86	120.70	105.14	91.12	82.31
315.0	389.06	285.26	213.63	163.32	131.32	109.26	94.68	86.12	76.74
360.0	382.57	281.29	211.77	165.95	135.29	114.21	99.16	87.98	79.99

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	74.16	69.22	65.61	60.51	56.33	53.34	49.06	46.59	43.91
45.0	82.46	75.92	71.12	67.10	63.19	59.22	54.99	51.33	47.83
90.0	76.17	71.79	69.42	63.91	59.94	57.31	53.08	49.12	45.77
135.0	88.23	78.34	75.14	70.45	65.87	61.23	56.85	53.08	49.58
180.0	83.29	76.07	70.50	65.92	61.54	57.46	53.65	50.09	47.05
225.0	67.46	63.19	59.27	55.51	51.95	50.04	45.87	44.27	42.36
270.0	76.07	71.43	67.41	63.08	58.86	54.84	51.23	47.88	45.04
315.0	72.36	67.77	62.41	59.11	54.99	51.43	47.93	45.10	42.88
360.0	74.16	69.22	65.61	60.51	56.33	53.34	49.06	46.59	43.91

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	41.80	40.15	38.60	37.06	35.66	34.53	33.35	32.21	31.34
45.0	44.89	42.62	40.82	39.22	37.52	36.64	34.74	33.60	32.88
90.0	43.24	41.54	39.63	37.93	36.54	34.99	33.76	32.68	31.70
135.0	46.64	44.01	42.06	40.30	38.76	37.26	35.97	34.79	33.71
180.0	44.58	42.47	40.72	39.12	37.67	36.33	35.20	34.02	33.09
225.0	40.72	39.12	37.42	35.77	34.32	33.19	32.16	31.13	30.41
270.0	42.62	40.66	39.22	37.67	36.44	35.36	34.32	33.76	32.31
315.0	40.97	39.53	38.19	36.85	35.46	34.02	32.78	31.59	30.56
360.0	41.80	40.15	38.60	37.06	35.66	34.53	33.35	32.21	31.34

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	30.72	30.41	30.30	30.30	30.56	30.61	30.82	30.67	30.56
45.0	31.80	31.03	30.56	30.36	30.20	30.20	30.20	30.25	30.41
90.0	30.97	30.46	30.30	30.36	30.51	30.87	31.13	31.34	31.28
135.0	32.83	31.95	31.44	31.08	30.87	30.87	30.87	30.87	30.82
180.0	31.90	31.13	30.56	30.30	30.15	30.15	30.15	30.20	30.20
225.0	30.25	30.20	30.10	30.10	30.05	30.20	30.15	30.05	29.89
270.0	31.44	31.08	30.72	30.67	30.72	30.87	31.03	31.08	30.87
315.0	29.89	29.43	29.38	29.43	29.53	29.69	29.79	29.79	29.48
360.0	30.72	30.41	30.30	30.30	30.56	30.61	30.82	30.67	30.56

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	29.74	28.66	28.09	26.75	25.05	23.50	21.80	20.10	18.61
45.0	30.30	30.00	29.48	28.66	27.32	25.98	24.43	22.93	21.23
90.0	30.92	29.94	29.17	27.73	26.08	24.43	22.73	21.03	19.48
135.0	30.51	30.15	29.38	28.45	27.32	25.82	24.22	22.73	21.13
180.0	29.94	29.53	28.81	27.78	26.49	25.05	23.55	21.96	20.46
225.0	28.86	27.83	27.06	25.61	24.02	22.37	20.82	19.28	17.78
270.0	30.51	29.74	28.81	27.52	26.03	24.53	22.88	21.29	19.69
315.0	28.86	28.09	27.06	25.77	24.22	22.83	21.18	19.64	18.40
360.0	29.74	28.66	28.09	26.75	25.05	23.50	21.80	20.10	18.61

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.32	16.08	15.00	13.97	13.09	12.32	11.60	10.93	10.26
45.0	20.05	18.24	17.21	16.03	14.89	13.86	12.88	12.16	11.44
90.0	18.14	16.85	15.67	14.48	13.66	12.73	11.96	11.34	10.67
135.0	19.69	18.30	17.01	15.87	14.74	13.66	13.14	12.27	11.18
180.0	19.02	17.63	16.85	15.20	14.12	13.61	12.73	11.91	11.13
225.0	16.54	15.41	14.28	13.25	12.37	11.70	11.03	10.26	9.64
270.0	18.30	16.96	15.77	14.69	14.07	13.19	12.06	11.54	10.87
315.0	17.16	15.87	14.79	13.71	13.09	11.96	11.18	10.77	10.10
360.0	17.32	16.08	15.00	13.97	13.09	12.32	11.60	10.93	10.26

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.69	9.12	8.81	8.09	7.52	7.16	6.65	6.44	5.98
45.0	10.67	10.05	9.48	8.97	8.40	7.83	7.32	6.80	6.39
90.0	10.10	9.43	8.81	8.50	7.83	7.47	6.91	6.44	6.03
135.0	10.77	10.05	9.43	8.81	8.35	7.78	7.22	6.65	6.29
180.0	10.46	9.84	9.23	8.66	8.19	7.73	7.22	6.65	6.29
225.0	9.12	8.56	8.19	7.73	7.01	6.55	6.24	5.82	5.41
270.0	10.20	9.59	9.02	8.45	7.89	7.32	6.65	6.34	5.93
315.0	9.48	8.97	8.35	7.83	7.32	6.65	6.29	5.93	5.46
360.0	9.69	9.12	8.81	8.09	7.52	7.16	6.65	6.44	5.98

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.62	5.15	4.79	4.38	4.07	3.71	3.40	3.14	2.89
45.0	5.82	5.46	5.05	4.64	4.23	4.02	3.66	3.35	3.09
90.0	5.41	5.05	4.79	4.43	4.07	3.87	3.56	3.25	2.89
135.0	5.88	5.51	5.00	4.64	4.28	3.97	3.61	3.30	3.04
180.0	5.82	5.46	4.95	4.64	4.28	3.97	3.61	3.35	3.09
225.0	5.00	4.74	4.38	4.02	3.71	3.50	3.14	2.89	2.68
270.0	5.51	5.10	4.74	4.28	4.02	3.66	3.50	3.04	2.73
315.0	5.10	4.79	4.43	4.07	3.81	3.61	3.30	2.68	2.89
360.0	5.62	5.15	4.79	4.38	4.07	3.71	3.40	3.14	2.89

Intensity data(cd)

C/γ(°)	90.0
0.0	2.83
45.0	2.78
90.0	2.83
135.0	2.83
180.0	2.73
225.0	2.58
270.0	2.58
315.0	2.73
360.0	2.83