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Nata

Client:
LumCAT: 2-2561-L
Luminaire: 92.70.412.00
Report No: 2024815-B002
Ballast type: AC

Test No: 2024815-C002	Voltage(V): 35.230
LampCAT: BRIDGELUX V13B LES13	Current(A): 0.450
Lamp flux(lm): 2544.0	Power (W): 15.850
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2355.55, Efficiency(%): 92.59% , Luminous Efficacy(lm/W): 148.62
Central intensity(cd): 9330.672, Maximum intensity(cd): 9330.672
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=22.2
[C90/270]Total=22.2
Field angle(10%Imax): [C0/180]Total=56.0
[C90/270]Total=56.0
Maximum s/h(1/2): C0_180=0.38 C90_270=0.38
Maximum s/h(1/4): C0_180=0.41 C90_270=0.41
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 92.59%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.034%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9330.672	0.000	0	0.00%	0.00%
1.0	9292.853	8.911	8.911	0.35%	0.38%
2.0	9170.073	26.500	35.411	1.04%	1.50%
3.0	9004.528	43.468	78.878	1.71%	3.35%
4.0	8721.912	59.336	138.214	2.33%	5.87%
5.0	8326.248	73.340	211.555	2.88%	8.98%
6.0	7802.732	84.762	296.317	3.33%	12.58%
7.0	7206.503	93.162	389.479	3.66%	16.53%
8.0	6568.821	98.587	488.066	3.88%	20.72%
9.0	5914.635	101.172	589.238	3.98%	25.01%
10.0	5278.221	101.291	690.529	3.98%	29.31%
11.0	4700.651	99.709	790.239	3.92%	33.55%
12.0	4189.179	97.179	887.417	3.82%	37.67%
13.0	3733.495	94.022	981.439	3.70%	41.66%
14.0	3323.067	90.323	1071.763	3.55%	45.50%
15.0	2953.539	86.168	1157.931	3.39%	49.16%
16.0	2648.355	82.083	1240.014	3.23%	52.64%
17.0	2349.419	77.829	1317.843	3.06%	55.95%
18.0	2114.451	73.600	1391.442	2.89%	59.07%
19.0	1913.873	70.085	1461.527	2.75%	62.05%
20.0	1733.005	66.748	1528.275	2.62%	64.88%
21.0	1593.715	63.880	1592.155	2.51%	67.59%
22.0	1479.634	61.760	1653.915	2.43%	70.21%
23.0	1349.614	59.365	1713.28	2.33%	72.73%
24.0	1246.487	56.760	1770.04	2.23%	75.14%
25.0	1163.668	54.802	1824.842	2.15%	77.47%
26.0	1110.376	53.679	1878.521	2.11%	79.75%
27.0	1028.031	52.317	1930.838	2.06%	81.97%
28.0	937.170	49.755	1980.592	1.96%	84.08%
29.0	840.133	46.499	2027.092	1.83%	86.06%
30.0	743.398	42.755	2069.847	1.68%	87.87%
31.0	648.772	38.742	2108.589	1.52%	89.52%
32.0	556.578	34.532	2143.121	1.36%	90.98%
33.0	466.992	30.155	2173.275	1.19%	92.26%
34.0	382.924	25.721	2198.996	1.01%	93.35%
35.0	308.286	21.466	2220.463	0.84%	94.27%
36.0	256.236	17.974	2238.437	0.71%	95.03%
37.0	210.946	15.237	2253.674	0.60%	95.68%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	141.419	11.761	2265.436	0.46%	96.17%
39.0	96.728	8.129	2273.564	0.32%	96.52%
40.0	72.352	5.897	2279.461	0.23%	96.77%
41.0	60.355	4.726	2284.187	0.19%	96.97%
42.0	53.397	4.133	2288.32	0.16%	97.15%
43.0	47.825	3.750	2292.069	0.15%	97.31%
44.0	42.963	3.427	2295.496	0.13%	97.45%
45.0	38.831	3.143	2298.639	0.12%	97.58%
46.0	35.493	2.907	2301.546	0.11%	97.71%
47.0	32.825	2.717	2304.263	0.11%	97.82%
48.0	30.677	2.567	2306.83	0.10%	97.93%
49.0	28.870	2.445	2309.275	0.10%	98.04%
50.0	27.300	2.342	2311.617	0.09%	98.13%
51.0	25.992	2.255	2313.872	0.09%	98.23%
52.0	24.928	2.185	2316.057	0.09%	98.32%
53.0	24.060	2.131	2318.188	0.08%	98.41%
54.0	23.377	2.091	2320.279	0.08%	98.50%
55.0	22.963	2.069	2322.347	0.08%	98.59%
56.0	22.707	2.064	2324.411	0.08%	98.68%
57.0	22.608	2.072	2326.483	0.08%	98.77%
58.0	22.615	2.091	2328.574	0.08%	98.85%
59.0	22.530	2.111	2330.685	0.08%	98.94%
60.0	22.306	2.118	2332.803	0.08%	99.03%
61.0	21.478	2.089	2334.893	0.08%	99.12%
62.0	20.256	2.011	2336.904	0.08%	99.21%
63.0	18.476	1.884	2338.787	0.07%	99.29%
64.0	16.373	1.710	2340.497	0.07%	99.36%
65.0	14.166	1.511	2342.009	0.06%	99.43%
66.0	12.195	1.315	2343.324	0.05%	99.48%
67.0	10.677	1.150	2344.474	0.05%	99.53%
68.0	9.619	1.028	2345.502	0.04%	99.57%
69.0	8.817	0.941	2346.443	0.04%	99.61%
70.0	8.167	0.872	2347.315	0.03%	99.65%
71.0	7.556	0.813	2348.127	0.03%	99.68%
72.0	6.997	0.757	2348.884	0.03%	99.72%
73.0	6.498	0.706	2349.59	0.03%	99.75%
74.0	6.012	0.658	2350.248	0.03%	99.77%
75.0	5.512	0.609	2350.857	0.02%	99.80%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.020	0.559	2351.416	0.02%	99.82%
77.0	4.586	0.512	2351.928	0.02%	99.85%
78.0	4.231	0.472	2352.4	0.02%	99.87%
79.0	3.837	0.434	2352.833	0.02%	99.88%
80.0	3.502	0.396	2353.229	0.02%	99.90%
81.0	3.226	0.364	2353.593	0.01%	99.92%
82.0	2.930	0.334	2353.927	0.01%	99.93%
83.0	2.602	0.301	2354.227	0.01%	99.94%
84.0	2.306	0.267	2354.495	0.01%	99.96%
85.0	2.037	0.237	2354.732	0.01%	99.97%
86.0	1.820	0.211	2354.943	0.01%	99.97%
87.0	1.583	0.186	2355.129	0.01%	99.98%
88.0	1.360	0.161	2355.29	0.01%	99.99%
89.0	1.176	0.139	2355.429	0.01%	99.99%
90.0	1.038	0.121	2355.55	0.00%	100.00%

Zonal flux distribution table

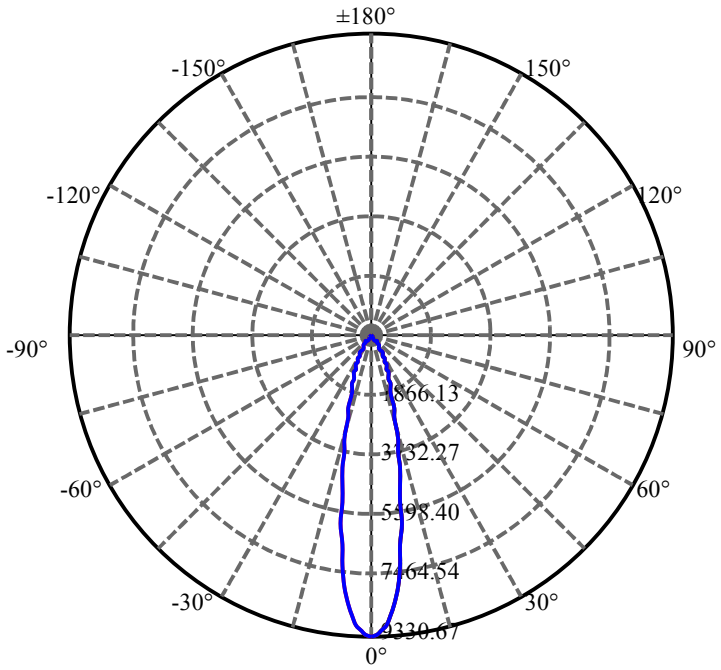
ZONAL LUMEN SUMMARY

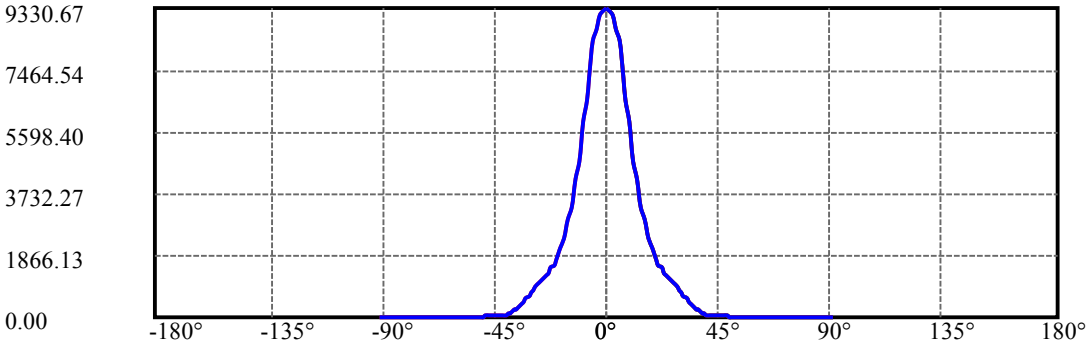
Zone	Lumens	%Lamp	%Fixt
0-30	2069.85	81.36%	87.87%
0-40	2279.46	89.60%	96.77%
0-60	2332.80	91.70%	99.03%
0-90	2355.43	92.59%	99.99%
0-120	2355.43	92.59%	99.99%
0-180	2355.55	92.59%	100.00%
60-90	22.63	0.89%	0.96%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.11	1884.44	74.07%	80.00%

ZONAL LUMEN SUMMARY

0-10	690.53
10-20	837.75
20-30	541.57
30-40	209.61
40-50	32.16
50-60	21.19
60-70	14.51
70-80	5.91
80-90	2.20
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):

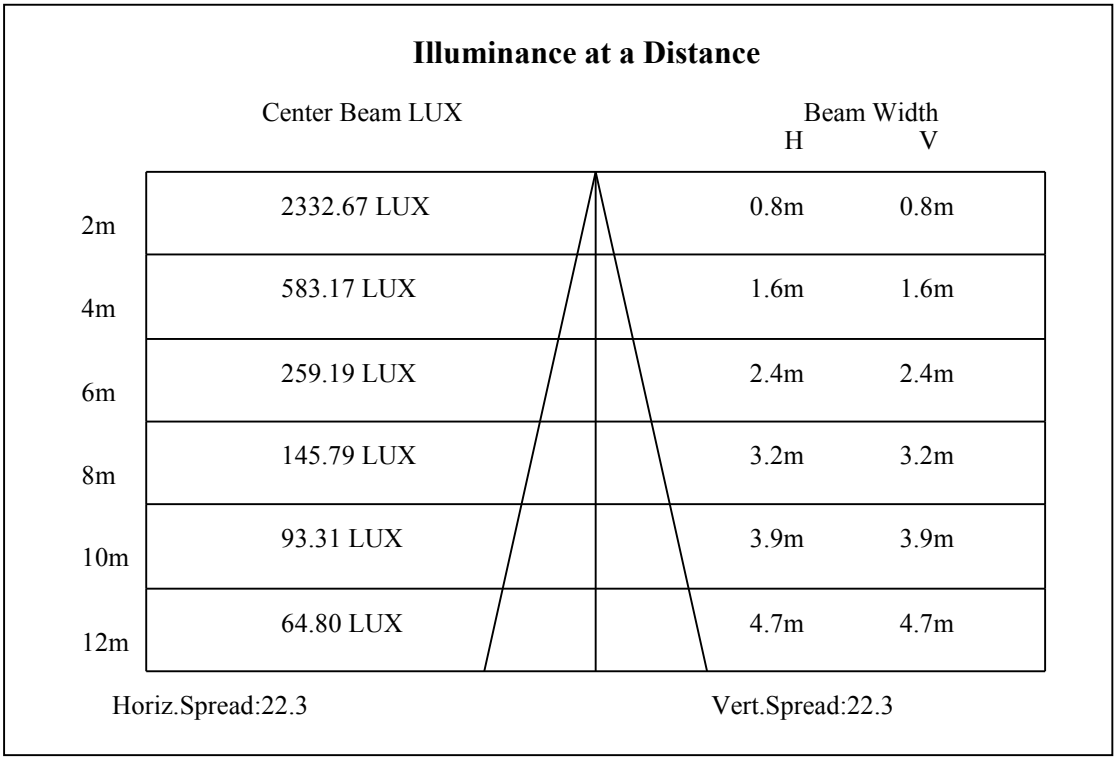
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:28.0 Right:28.0
:C90/270Left:28.0 Right:28.0

Beam Angle(50%Imax):C0/180Left:11.1 Right:11.1
:C90/270Left:11.1 Right:11.1

Lux distance Curve

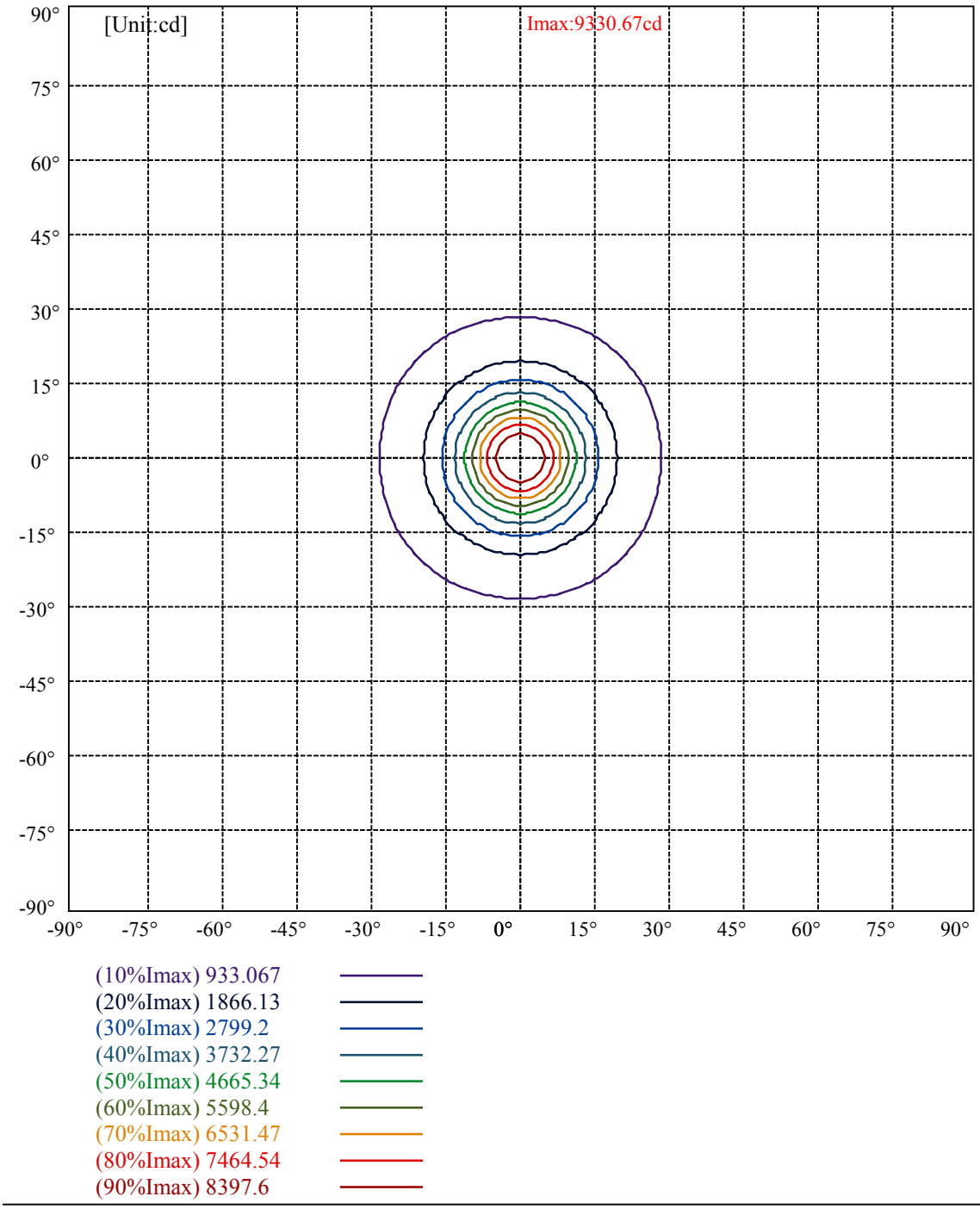


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/15
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO-Intensity(V-H)

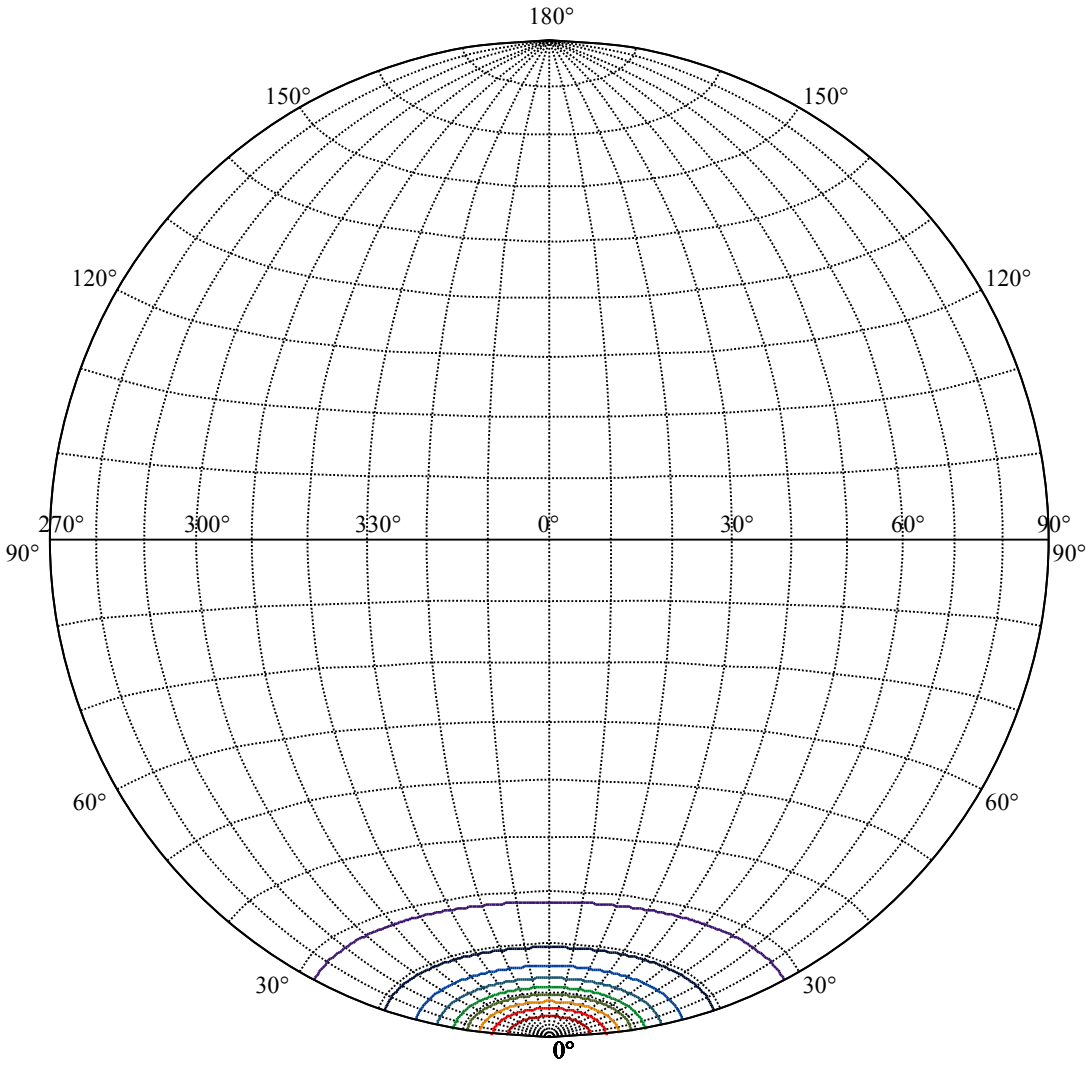


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/15
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:9330.67

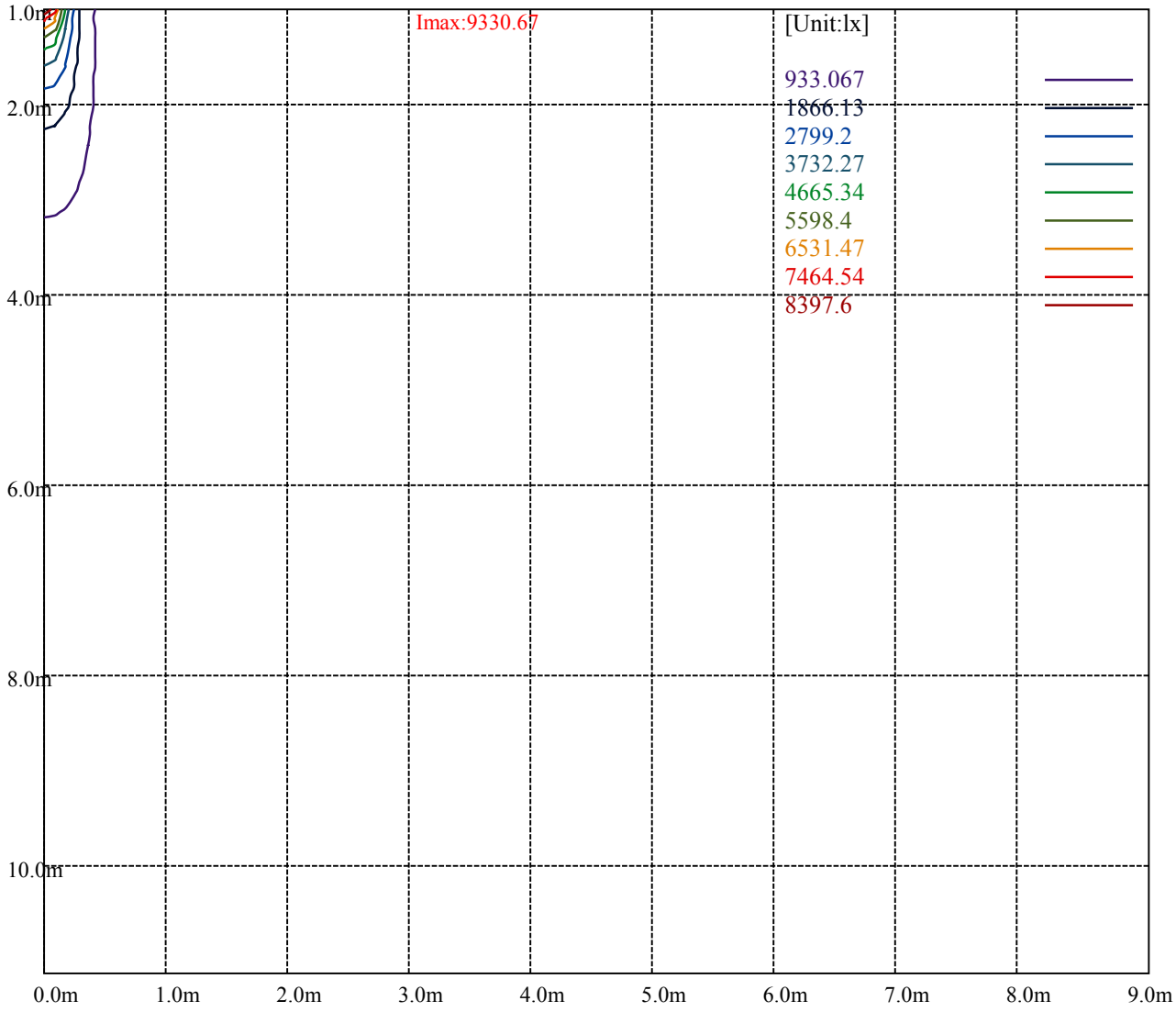
(10%Imax) 933.067
(20%Imax) 1866.13
(30%Imax) 2799.2
(40%Imax) 3732.27
(50%Imax) 4665.34
(60%Imax) 5598.4
(70%Imax) 6531.47
(80%Imax) 7464.54
(90%Imax) 8397.6

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/15
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/15
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

Nata 2-2561-L

Luminance Limitting Curve(no luminous side)

Luminance Table

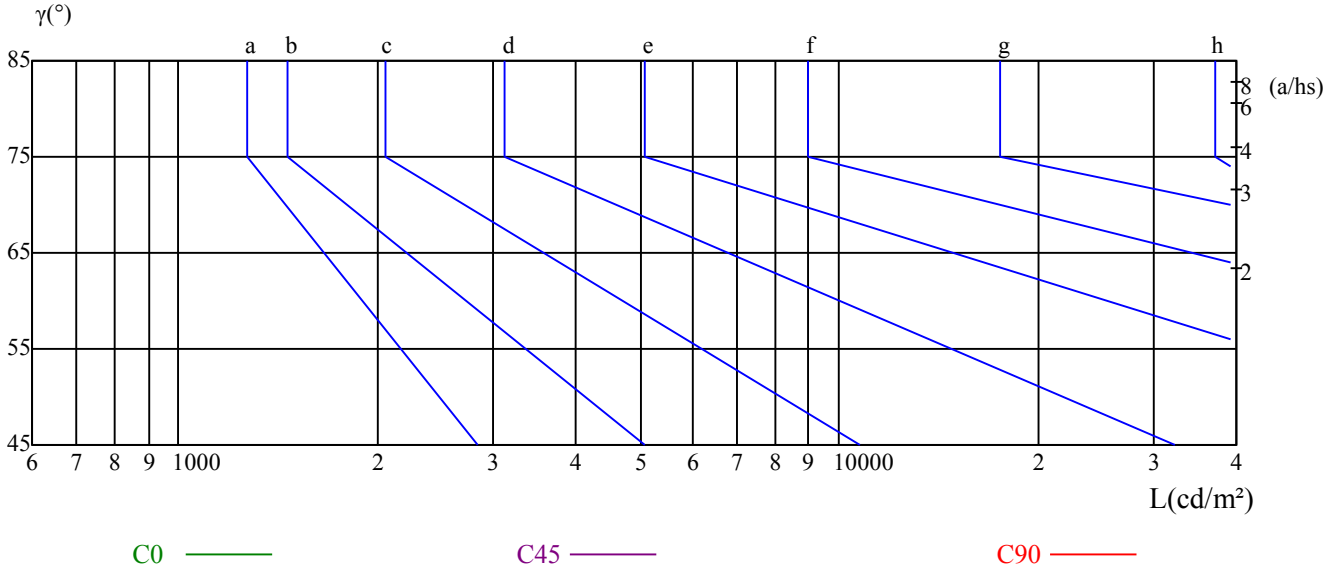
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

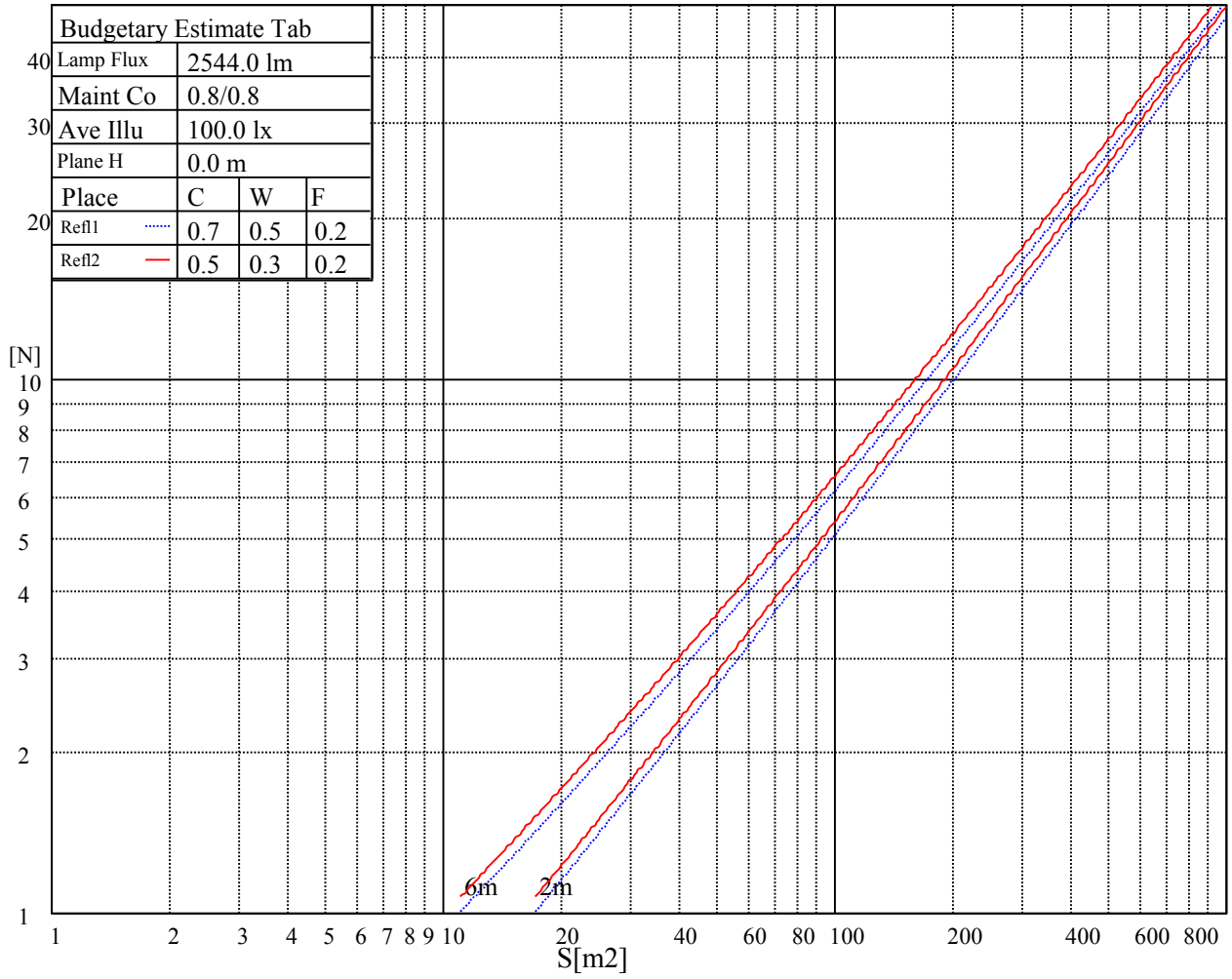
Date: 2024/8/15
Humidity(%): 60.0%

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

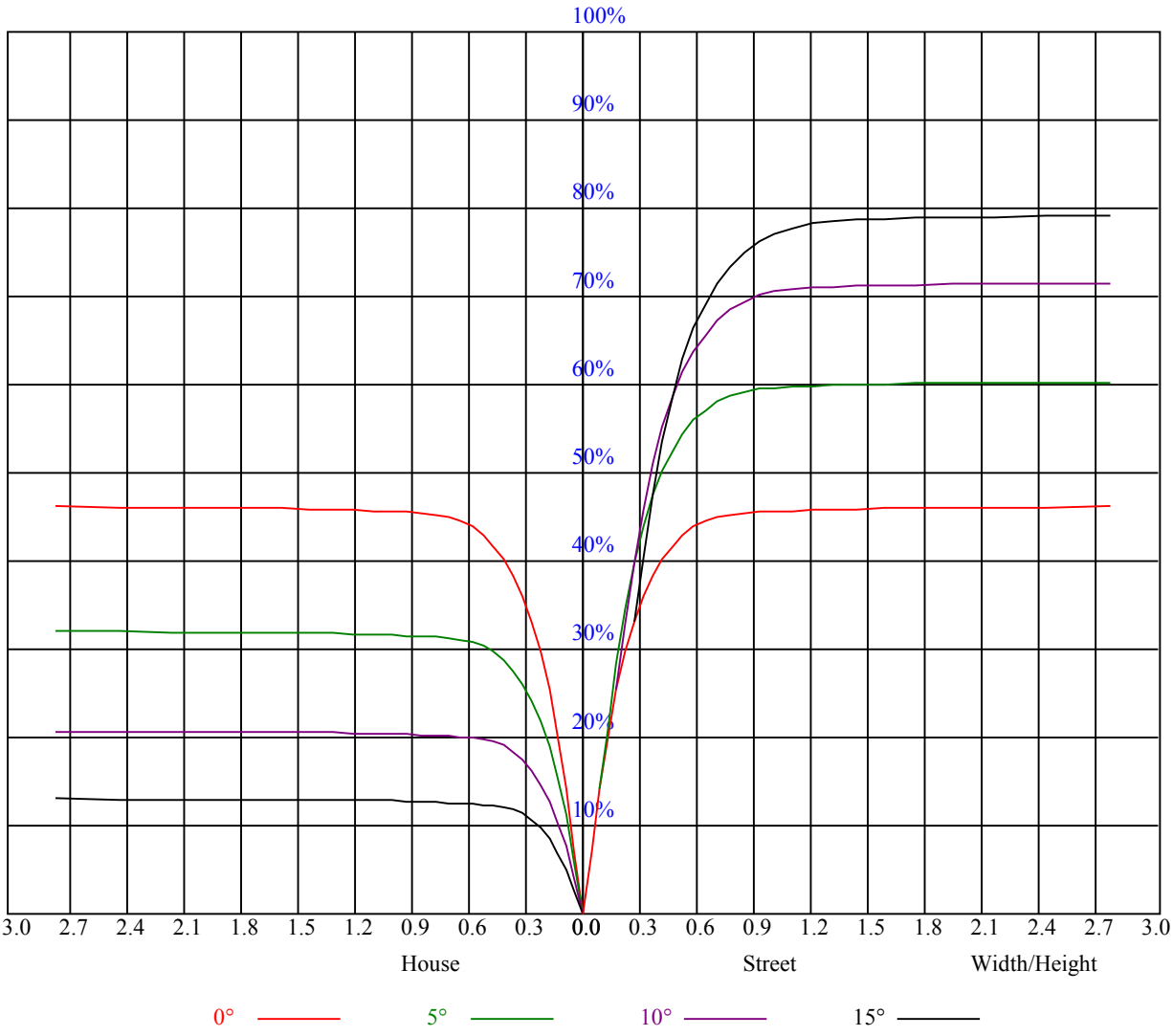
Date: 2024/8/15
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

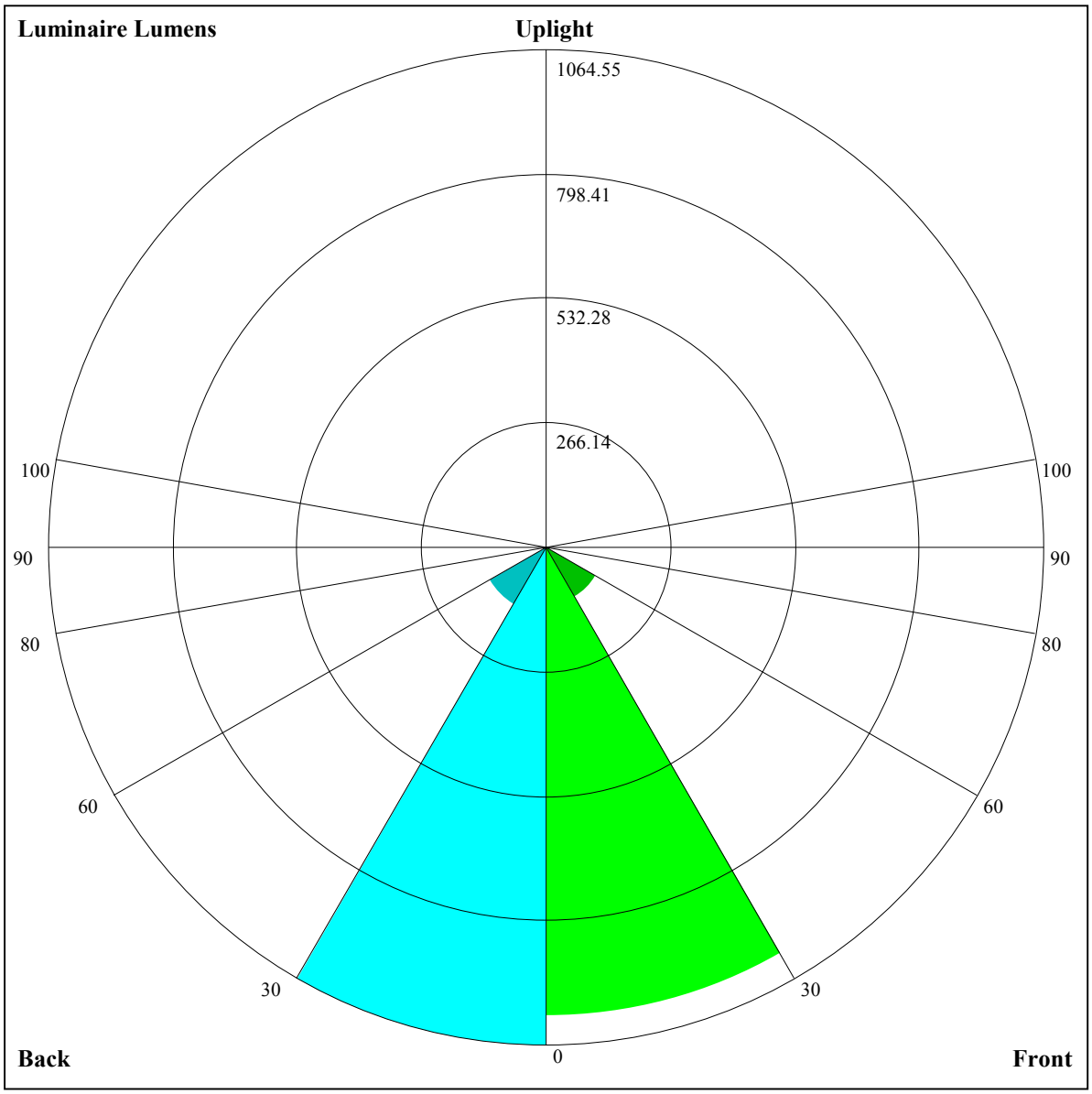
Utilization factor table for indoor luminaire

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	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.94	0.94	0.94	0.93
1	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.88
2	0.98	0.95	0.92	0.97	0.94	0.91	0.94	0.91	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	0.89	0.86	0.90	0.87	0.84	0.87	0.85	0.83	0.85	0.84	0.82	0.81
4	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.83	0.80	0.78	0.77
5	0.85	0.81	0.77	0.84	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.76	0.80	0.77	0.75	0.74
6	0.81	0.77	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.71
7	0.78	0.74	0.71	0.78	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.75	0.72	0.69	0.68
8	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.66
9	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.64
10	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.68	0.65	0.62	0.62

Coefficient Utilization Curve



Equipment: GMS 1800	Date: 2024/8/15	Operator: NT
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.25



Luminaire Lumens:
FL=1002.21,FM=122.17,FH=9.7,FVH=1.13
BL=1064.55,BM=142.49,BH=10.55,BVH=1.17
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	9316.60	9183.98	8877.54	8668.08	8239.07	7689.68	7082.95	6449.47	5792.55
45.0	9357.86	9342.77	9199.59	9027.45	8767.27	8338.78	7759.91	7167.63	6535.25
90.0	9300.99	9176.78	8941.62	8679.75	8231.81	7681.90	7096.31	6446.69	5809.26
135.0	9347.24	9352.81	9279.28	9039.70	8776.73	8524.90	8059.09	7478.54	6851.15
180.0	9316.60	9345.03	9346.72	9233.02	9072.02	8810.16	8402.33	7898.09	7311.97
225.0	9357.86	9311.03	9191.81	9083.69	8825.19	8426.24	7890.26	7290.21	6671.18
270.0	9300.99	9356.70	9316.07	9264.25	9137.20	8893.15	8497.57	7957.12	7294.68
315.0	9347.24	9273.71	9207.95	9040.28	8726.01	8245.16	7633.44	6964.27	6284.53
360.0	9316.60	9183.98	8877.54	8668.08	8239.07	7689.68	7082.95	6449.47	5792.55

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5174.09	4610.26	4133.30	3698.19	3283.11	2922.05	2600.00	2326.47	2085.73
45.0	5878.38	5220.93	4649.26	4157.85	3731.04	3324.32	2967.21	2646.84	2368.78
90.0	5174.09	4587.39	4077.59	3636.33	3237.96	2878.59	2566.57	2305.29	2080.16
135.0	6192.02	5547.39	4929.52	4389.07	3911.60	3483.11	3100.35	2764.37	2467.39
180.0	6668.39	6036.59	5396.96	4800.80	4280.43	3822.45	3394.54	3008.99	2668.55
225.0	5988.66	5312.86	4724.48	4202.95	3743.87	3328.20	2951.59	2626.76	2342.03
270.0	6625.50	5913.44	5243.21	4645.89	4126.63	3662.50	3252.46	3026.81	2570.46
315.0	5615.94	4996.91	4450.89	3982.35	3553.33	3163.32	2795.59	2481.32	2212.25
360.0	5174.09	4610.26	4133.30	3698.19	3283.11	2922.05	2600.00	2326.47	2085.73

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1877.37	1699.08	1548.65	1425.50	1315.22	1109.65	1074.96	1074.96	982.34
45.0	2115.85	1987.70	1796.01	1639.48	1504.08	1383.18	1279.00	1190.96	1109.07
90.0	1889.10	1734.19	1597.69	1480.11	1417.72	1288.99	1098.19	1077.53	1077.53
135.0	2212.25	1986.02	1808.31	1653.41	1527.47	1421.08	1326.36	1242.79	1179.82
180.0	2378.82	2116.95	1906.34	1731.41	1611.04	1485.15	1363.10	1291.25	1214.93
225.0	2091.30	1877.95	1704.65	1558.69	1461.18	1327.47	1254.46	1066.86	1066.86
270.0	2285.79	2132.57	1833.38	1727.52	1582.08	1466.18	1366.47	1271.75	1193.75
315.0	2065.13	1776.51	1669.02	1533.62	1418.29	1315.22	1209.36	1093.25	1058.71
360.0	1877.37	1699.08	1548.65	1425.50	1315.22	1109.65	1074.96	1074.96	982.34

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	888.94	792.70	698.61	605.36	517.53	431.17	351.91	274.43	204.94
45.0	1024.34	931.88	832.12	738.56	648.25	558.00	468.33	383.08	303.97
90.0	981.76	880.00	779.87	679.00	580.87	486.20	400.58	317.00	240.79
135.0	1100.13	1010.99	917.37	820.97	722.94	625.97	531.25	438.79	356.32
180.0	1139.13	1062.81	971.99	872.27	777.56	683.94	589.23	500.61	414.25
225.0	1008.99	918.63	820.92	721.89	629.07	536.56	448.67	364.31	289.72
270.0	1118.53	1028.81	930.78	834.90	740.19	641.58	549.12	462.18	380.29
315.0	962.42	871.54	769.41	674.22	573.77	489.20	396.85	323.00	276.01
360.0	888.94	792.70	698.61	605.36	517.53	431.17	351.91	274.43	204.94

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	168.31	99.19	73.22	65.86	55.09	51.20	46.36	42.21	38.48
45.0	303.97	275.53	131.14	89.99	68.86	59.71	51.93	45.73	40.89
90.0	174.82	118.53	80.74	63.50	55.03	47.57	43.21	38.63	34.69
135.0	306.75	306.75	168.04	101.60	73.01	64.44	53.61	49.72	44.47
180.0	336.24	290.57	290.57	159.74	111.43	75.32	69.59	61.81	55.45
225.0	248.99	165.20	118.11	95.40	68.33	63.34	55.98	49.78	44.63
270.0	300.03	300.03	164.63	122.94	84.63	66.75	58.24	51.14	45.83
315.0	210.78	131.77	104.91	74.80	62.44	54.51	48.25	43.57	39.26
360.0	168.31	99.19	73.22	65.86	55.09	51.20	46.36	42.21	38.48

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	35.48	33.17	31.17	29.59	28.33	27.23	25.97	25.18	24.70
45.0	36.69	33.11	30.33	28.23	26.54	25.02	23.65	22.60	21.71
90.0	31.48	29.01	27.07	25.39	23.97	22.81	21.87	21.03	20.45
135.0	40.16	36.64	33.96	31.80	30.01	28.38	27.02	25.70	24.60
180.0	50.14	45.78	42.42	39.53	37.27	35.16	33.48	31.85	30.49
225.0	40.26	36.85	34.01	31.70	29.59	27.86	26.54	25.65	24.81
270.0	40.95	36.85	33.69	31.12	29.07	27.28	25.86	24.60	23.60
315.0	35.48	32.54	29.96	28.07	26.18	24.65	23.55	22.81	22.13
360.0	35.48	33.17	31.17	29.59	28.33	27.23	25.97	25.18	24.70

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.18	24.23	24.39	24.39	24.60	24.13	23.60	20.92	19.24
45.0	20.97	20.60	20.34	20.29	20.29	20.39	20.18	19.55	18.55
90.0	20.03	19.87	19.76	20.03	20.18	20.29	19.82	19.34	16.98
135.0	23.76	23.23	22.65	22.39	22.29	22.34	22.18	21.55	20.81
180.0	29.33	28.44	27.75	27.17	26.86	26.54	26.33	25.70	25.02
225.0	24.28	23.76	23.76	23.65	23.76	23.55	23.07	22.13	20.55
270.0	22.81	22.13	21.60	21.50	21.34	21.34	21.39	21.34	21.18
315.0	21.66	21.45	21.39	21.45	21.60	21.66	21.87	21.29	19.71
360.0	24.18	24.23	24.39	24.39	24.60	24.13	23.60	20.92	19.24

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.45	13.98	12.19	10.83	9.83	9.25	8.62	7.99	7.36
45.0	16.82	14.51	12.46	10.62	9.41	8.62	7.94	7.52	6.89
90.0	15.51	13.14	10.99	9.46	8.57	7.83	7.31	6.78	6.36
135.0	19.03	17.24	14.88	12.56	11.04	9.83	8.99	8.41	7.88
180.0	23.50	21.45	18.76	16.19	13.93	12.35	11.09	10.09	9.30
225.0	18.50	15.77	13.40	11.46	10.09	8.99	8.36	7.83	7.31
270.0	20.13	19.03	17.03	14.45	12.09	10.51	9.41	8.52	7.78
315.0	17.87	15.87	13.61	11.98	10.46	9.57	8.83	8.20	7.57
360.0	16.45	13.98	12.19	10.83	9.83	9.25	8.62	7.99	7.36

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.73	6.25	5.57	4.94	4.47	4.10	3.78	3.36	3.10
45.0	6.52	6.04	5.68	5.26	4.84	4.52	4.05	3.78	3.42
90.0	5.89	5.47	5.10	4.73	4.26	3.89	3.63	3.26	2.94
135.0	7.36	6.83	6.41	5.94	5.47	4.99	4.63	4.21	3.84
180.0	8.62	7.99	7.25	6.57	5.94	5.31	4.73	4.31	3.89
225.0	6.73	6.20	5.83	5.31	4.84	4.36	4.05	3.68	3.31
270.0	7.15	6.68	6.15	5.68	5.20	4.73	4.52	4.05	3.68
315.0	6.99	6.52	6.10	5.68	5.15	4.78	4.47	4.05	3.84
360.0	6.73	6.25	5.57	4.94	4.47	4.10	3.78	3.36	3.10

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.84	2.52	2.21	1.89	1.79	1.52	1.31	1.10	0.95
45.0	3.05	2.84	2.52	2.16	1.89	1.68	1.37	1.21	1.05
90.0	2.73	2.47	2.16	1.89	1.73	1.52	1.37	1.21	1.05
135.0	3.57	3.21	2.89	2.63	2.21	2.05	1.84	1.52	1.26
180.0	3.57	3.26	2.94	2.63	2.21	2.00	1.68	1.42	1.21
225.0	3.05	2.84	2.42	2.16	1.94	1.68	1.47	1.26	1.05
270.0	3.42	3.05	2.68	2.37	2.10	1.89	1.68	1.42	1.26
315.0	3.57	3.26	3.00	2.73	2.42	2.21	1.94	1.73	1.58
360.0	2.84	2.52	2.21	1.89	1.79	1.52	1.31	1.10	0.95

Intensity data(cd)

C/γ(°)	90.0
0.0	0.95
45.0	0.89
90.0	1.05
135.0	0.89
180.0	1.05
225.0	0.95
270.0	1.05
315.0	1.47
360.0	0.95