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NT

Client:
LumCAT: 2-2683-L
Luminaire: 92.70.412.00
Report No: 2024308-B022
Ballast type: AC

Test No: 2024308-C022	Voltage(V): 34.630
LampCAT: BRIDGELUX V13B LES13	Current(A): 0.450
Lamp flux(lm): 2653.0	Power (W): 15.583
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2281.91, Efficiency(%): 86.01% , Luminous Efficacy(lm/W): 146.44
Central intensity(cd): 7343.023, Maximum intensity(cd): 7343.023
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=26.2
[C90/270]Total=26.2
Field angle(10%Imax): [C0/180]Total=58.8
[C90/270]Total=58.8
Maximum s/h(1/2): C0_180=0.44 C90_270=0.44
Maximum s/h(1/4): C0_180=0.47 C90_270=0.47
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 86.01%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.046%

NT 2-2683-L

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7343.023	0.000	0	0.00%	0.00%
1.0	7324.369	7.018	7.018	0.26%	0.31%
2.0	7247.192	20.914	27.933	0.79%	1.22%
3.0	7110.835	34.340	62.272	1.29%	2.73%
4.0	6924.660	46.981	109.254	1.77%	4.79%
5.0	6690.570	58.572	167.826	2.21%	7.35%
6.0	6381.571	68.698	236.523	2.59%	10.37%
7.0	6034.460	77.066	313.589	2.90%	13.74%
8.0	5656.404	83.669	397.258	3.15%	17.41%
9.0	5274.911	88.592	485.851	3.34%	21.29%
10.0	4839.796	91.534	577.385	3.45%	25.30%
11.0	4467.593	93.000	670.385	3.51%	29.38%
12.0	4054.351	93.157	763.542	3.51%	33.46%
13.0	3692.828	91.939	855.482	3.47%	37.49%
14.0	3327.721	89.862	945.344	3.39%	41.43%
15.0	2995.167	86.803	1032.148	3.27%	45.23%
16.0	2696.922	83.405	1115.553	3.14%	48.89%
17.0	2441.105	80.013	1195.566	3.02%	52.39%
18.0	2210.014	76.687	1272.252	2.89%	55.75%
19.0	1999.846	73.243	1345.495	2.76%	58.96%
20.0	1825.595	70.016	1415.512	2.64%	62.03%
21.0	1637.438	66.497	1482.009	2.51%	64.95%
22.0	1499.529	63.039	1545.047	2.38%	67.71%
23.0	1400.860	60.858	1605.905	2.29%	70.38%
24.0	1266.463	58.317	1664.223	2.20%	72.93%
25.0	1153.756	55.031	1719.253	2.07%	75.34%
26.0	1064.627	52.365	1771.618	1.97%	77.64%
27.0	964.656	49.647	1821.265	1.87%	79.81%
28.0	866.930	46.372	1867.637	1.75%	81.85%
29.0	770.046	42.828	1910.465	1.61%	83.72%
30.0	672.833	38.957	1949.423	1.47%	85.43%
31.0	581.560	34.908	1984.33	1.32%	86.96%
32.0	496.095	30.874	2015.204	1.16%	88.31%
33.0	420.001	26.989	2042.193	1.02%	89.49%
34.0	356.782	23.508	2065.7	0.89%	90.52%
35.0	306.709	20.606	2086.306	0.78%	91.43%
36.0	256.958	17.947	2104.253	0.68%	92.21%
37.0	214.807	15.386	2119.64	0.58%	92.89%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	191.873	13.574	2133.214	0.51%	93.48%
39.0	152.137	11.742	2144.956	0.44%	94.00%
40.0	126.957	9.734	2154.69	0.37%	94.42%
41.0	105.772	8.287	2162.977	0.31%	94.79%
42.0	91.141	7.154	2170.131	0.27%	95.10%
43.0	78.288	6.276	2176.408	0.24%	95.38%
44.0	68.084	5.524	2181.932	0.21%	95.62%
45.0	60.293	4.934	2186.866	0.19%	95.83%
46.0	54.089	4.473	2191.339	0.17%	96.03%
47.0	49.415	4.117	2195.456	0.16%	96.21%
48.0	45.874	3.852	2199.308	0.15%	96.38%
49.0	43.541	3.672	2202.98	0.14%	96.54%
50.0	41.573	3.549	2206.528	0.13%	96.70%
51.0	40.103	3.456	2209.984	0.13%	96.85%
52.0	38.852	3.388	2213.372	0.13%	97.00%
53.0	37.542	3.323	2216.695	0.13%	97.14%
54.0	36.299	3.255	2219.949	0.12%	97.28%
55.0	34.916	3.179	2223.128	0.12%	97.42%
56.0	33.351	3.085	2226.213	0.12%	97.56%
57.0	31.588	2.969	2229.182	0.11%	97.69%
58.0	29.890	2.843	2232.025	0.11%	97.81%
59.0	28.193	2.715	2234.741	0.10%	97.93%
60.0	26.401	2.579	2237.32	0.10%	98.05%
61.0	24.938	2.450	2239.77	0.09%	98.15%
62.0	23.380	2.328	2242.098	0.09%	98.26%
63.0	22.041	2.209	2244.307	0.08%	98.35%
64.0	20.746	2.100	2246.407	0.08%	98.44%
65.0	19.510	1.992	2248.399	0.08%	98.53%
66.0	18.339	1.888	2250.287	0.07%	98.61%
67.0	17.264	1.790	2252.078	0.07%	98.69%
68.0	16.386	1.705	2253.782	0.06%	98.77%
69.0	15.545	1.629	2255.411	0.06%	98.84%
70.0	14.887	1.563	2256.974	0.06%	98.91%
71.0	14.331	1.510	2258.484	0.06%	98.97%
72.0	13.906	1.468	2259.953	0.06%	99.04%
73.0	13.497	1.433	2261.386	0.05%	99.10%
74.0	13.146	1.401	2262.786	0.05%	99.16%
75.0	12.838	1.373	2264.159	0.05%	99.22%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.524	1.346	2265.505	0.05%	99.28%
77.0	12.231	1.320	2266.825	0.05%	99.34%
78.0	11.953	1.295	2268.12	0.05%	99.40%
79.0	11.668	1.269	2269.389	0.05%	99.45%
80.0	11.412	1.244	2270.633	0.05%	99.51%
81.0	11.149	1.220	2271.853	0.05%	99.56%
82.0	10.922	1.197	2273.05	0.05%	99.61%
83.0	10.695	1.175	2274.225	0.04%	99.66%
84.0	10.468	1.153	2275.378	0.04%	99.71%
85.0	10.256	1.131	2276.509	0.04%	99.76%
86.0	10.088	1.112	2277.621	0.04%	99.81%
87.0	9.934	1.096	2278.717	0.04%	99.86%
88.0	9.751	1.078	2279.795	0.04%	99.91%
89.0	9.656	1.064	2280.859	0.04%	99.95%
90.0	9.598	1.056	2281.915	0.04%	100.00%

Zonal flux distribution table

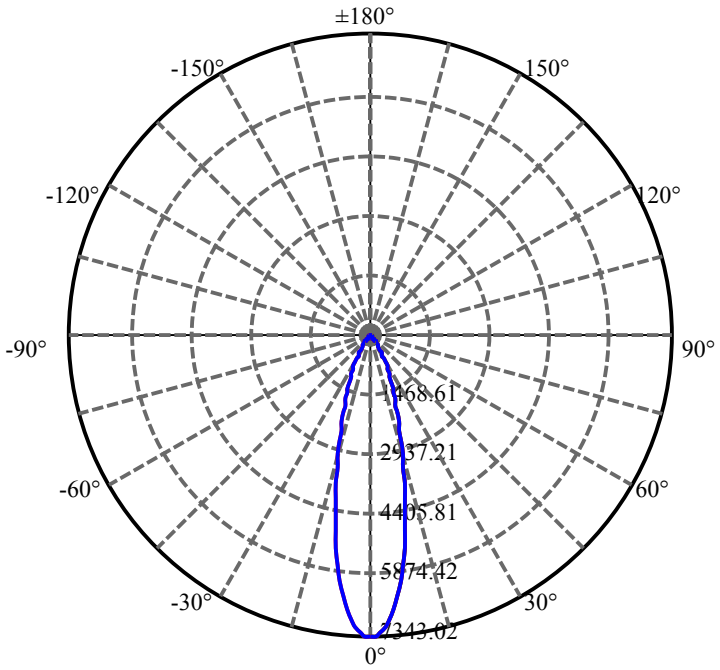
ZONAL LUMEN SUMMARY

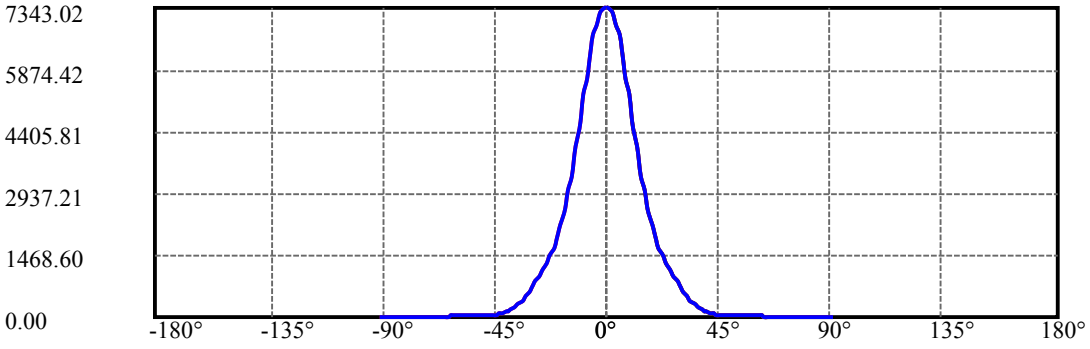
Zone	Lumens	%Lamp	%Fixt
0-30	1949.42	73.48%	85.43%
0-40	2154.69	81.22%	94.42%
0-60	2237.32	84.33%	98.05%
0-90	2280.86	85.97%	99.95%
0-120	2280.86	85.97%	99.95%
0-180	2281.91	86.01%	100.00%
60-90	43.54	1.64%	1.91%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.09	1825.53	68.81%	80.00%

ZONAL LUMEN SUMMARY

0-10	577.39
10-20	838.13
20-30	533.91
30-40	205.27
40-50	51.84
50-60	30.79
60-70	19.65
70-80	13.66
80-90	10.23
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):

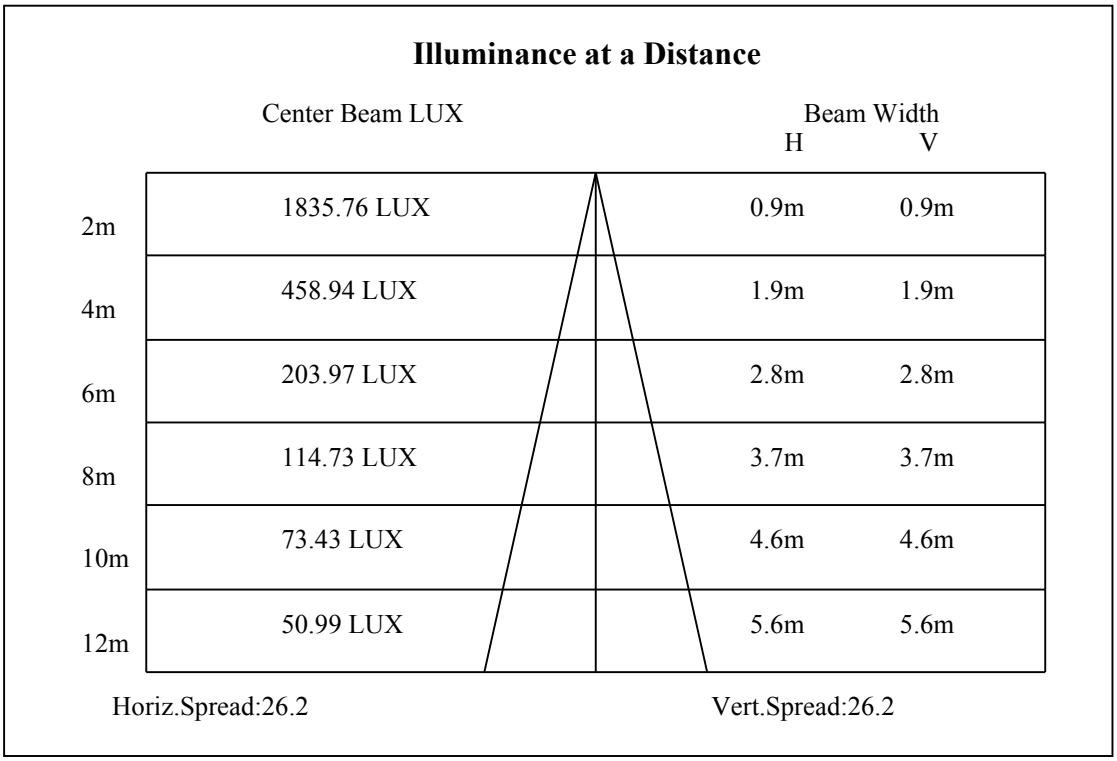
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:29.4 Right:29.4
:C90/270Left:29.4 Right:29.4

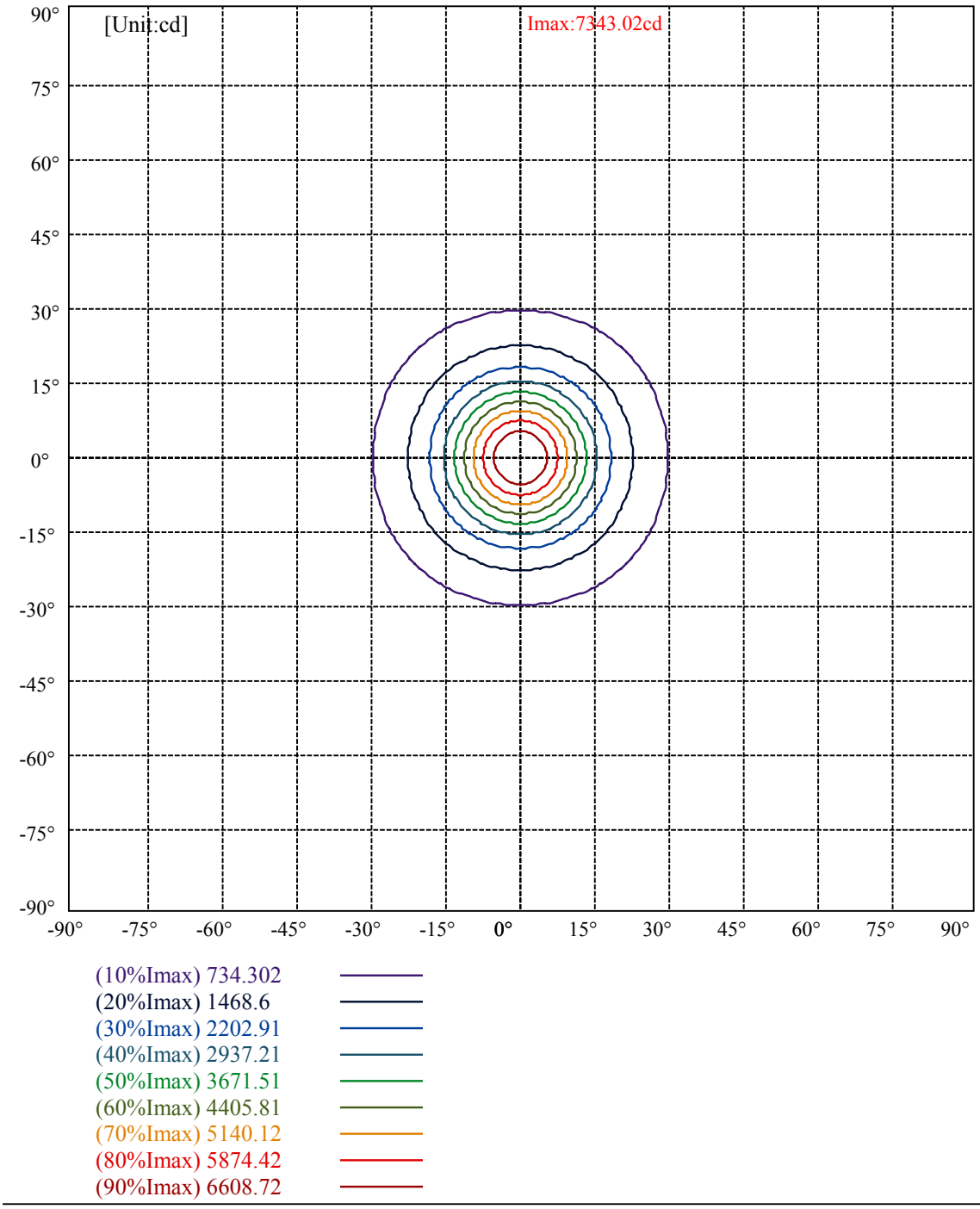
Beam Angle(50%Imax):C0/180Left:13.1 Right:13.1
:C90/270Left:13.1 Right:13.1

Lux distance Curve



Equipment: GMS1980 Date: 2024/3/8 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

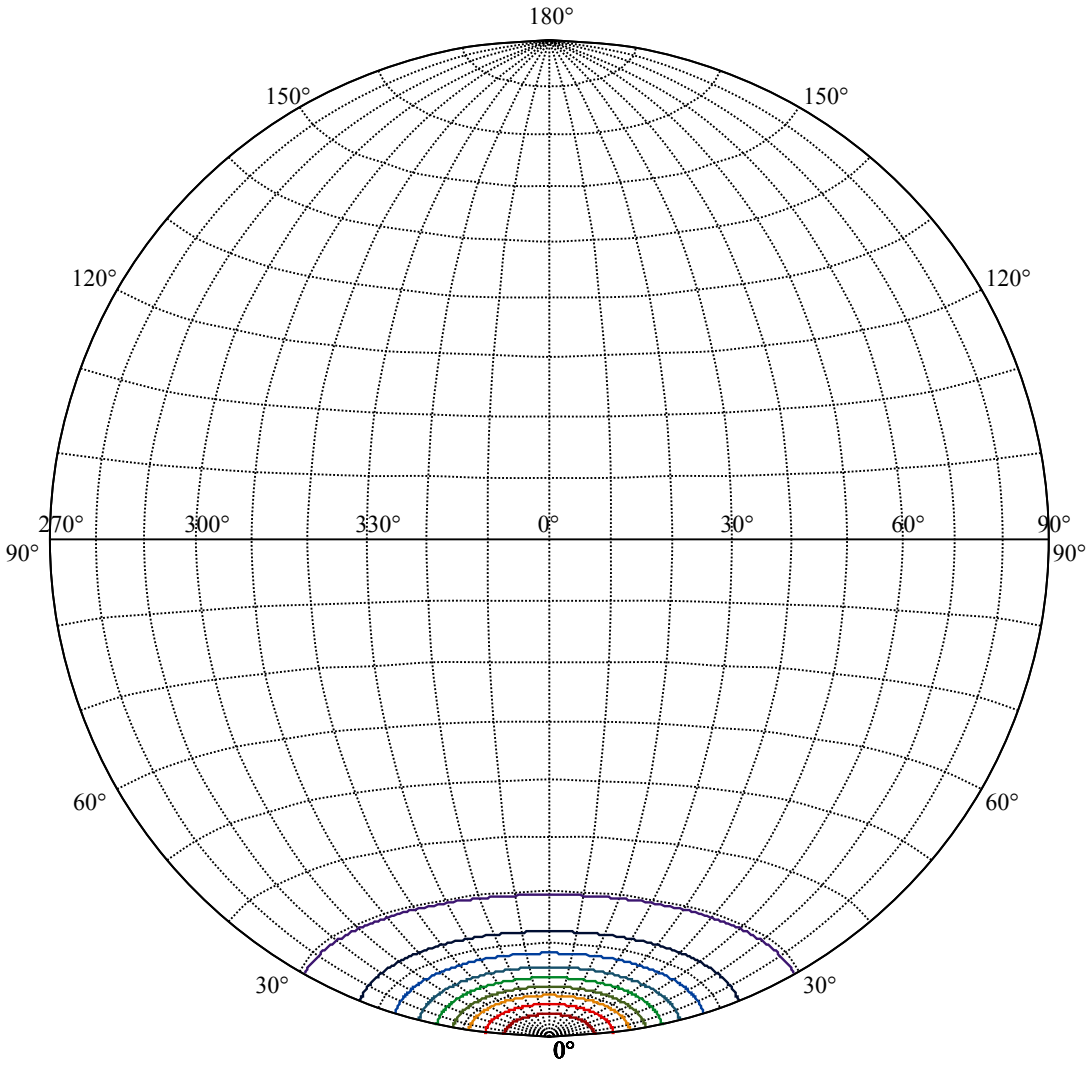


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/8
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web

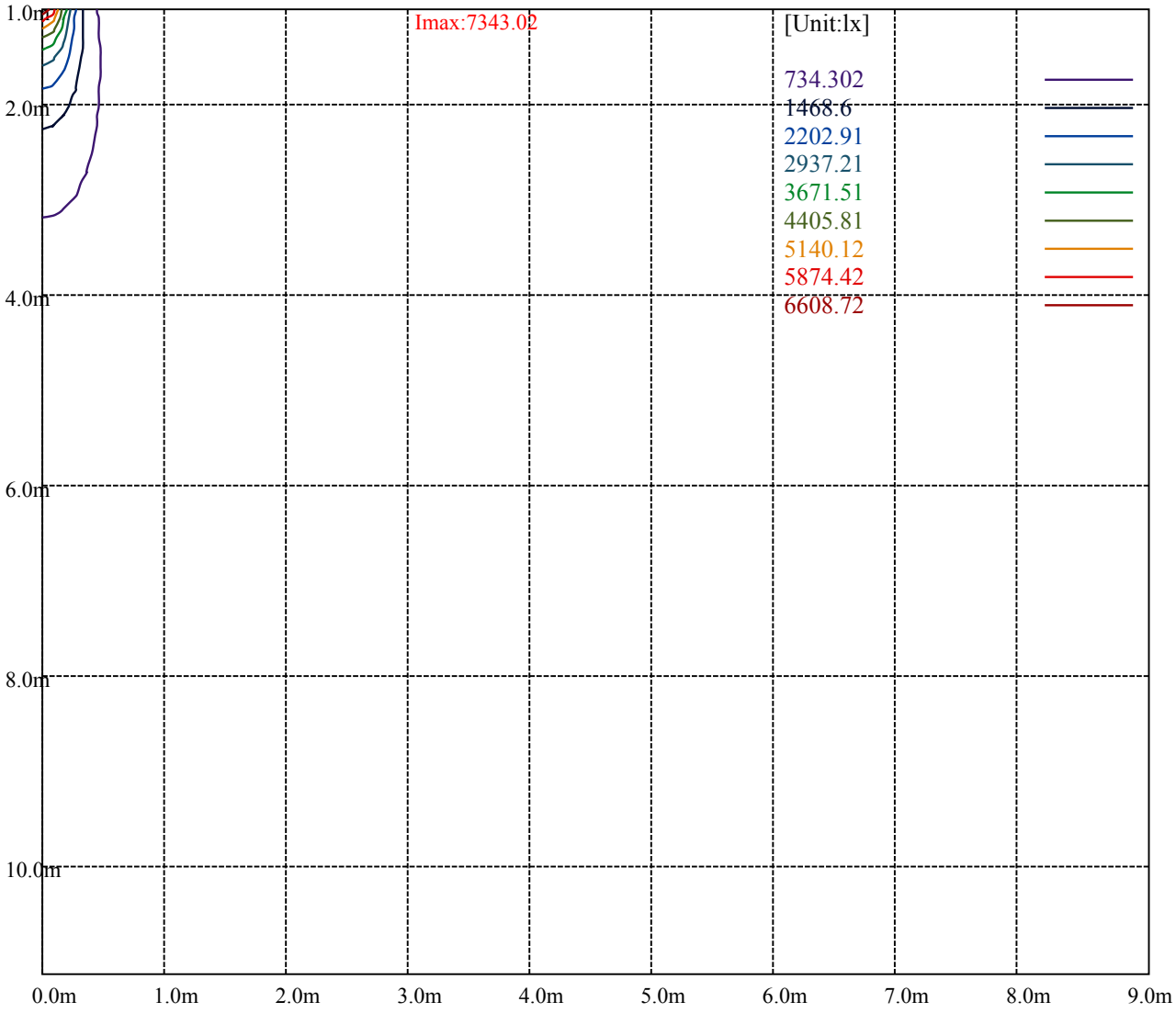


[Unit:cd]

Imax:7343.02

(10%Imax) 734.302
(20%Imax) 1468.6
(30%Imax) 2202.91
(40%Imax) 2937.21
(50%Imax) 3671.51
(60%Imax) 4405.81
(70%Imax) 5140.12
(80%Imax) 5874.42
(90%Imax) 6608.72

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/8
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

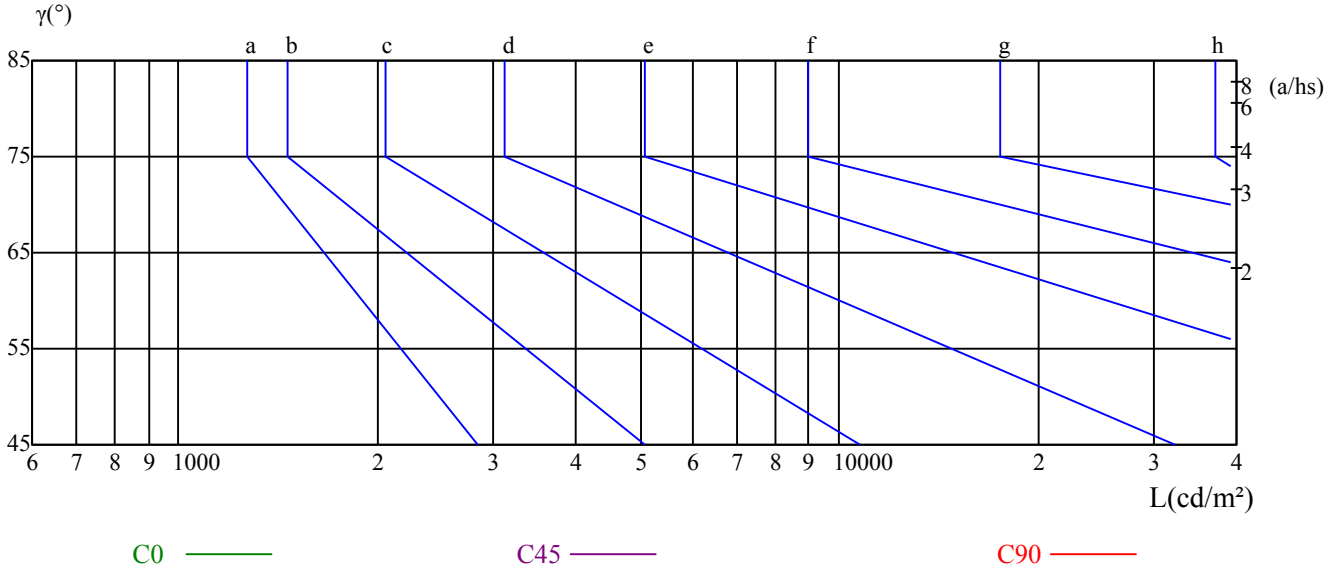
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

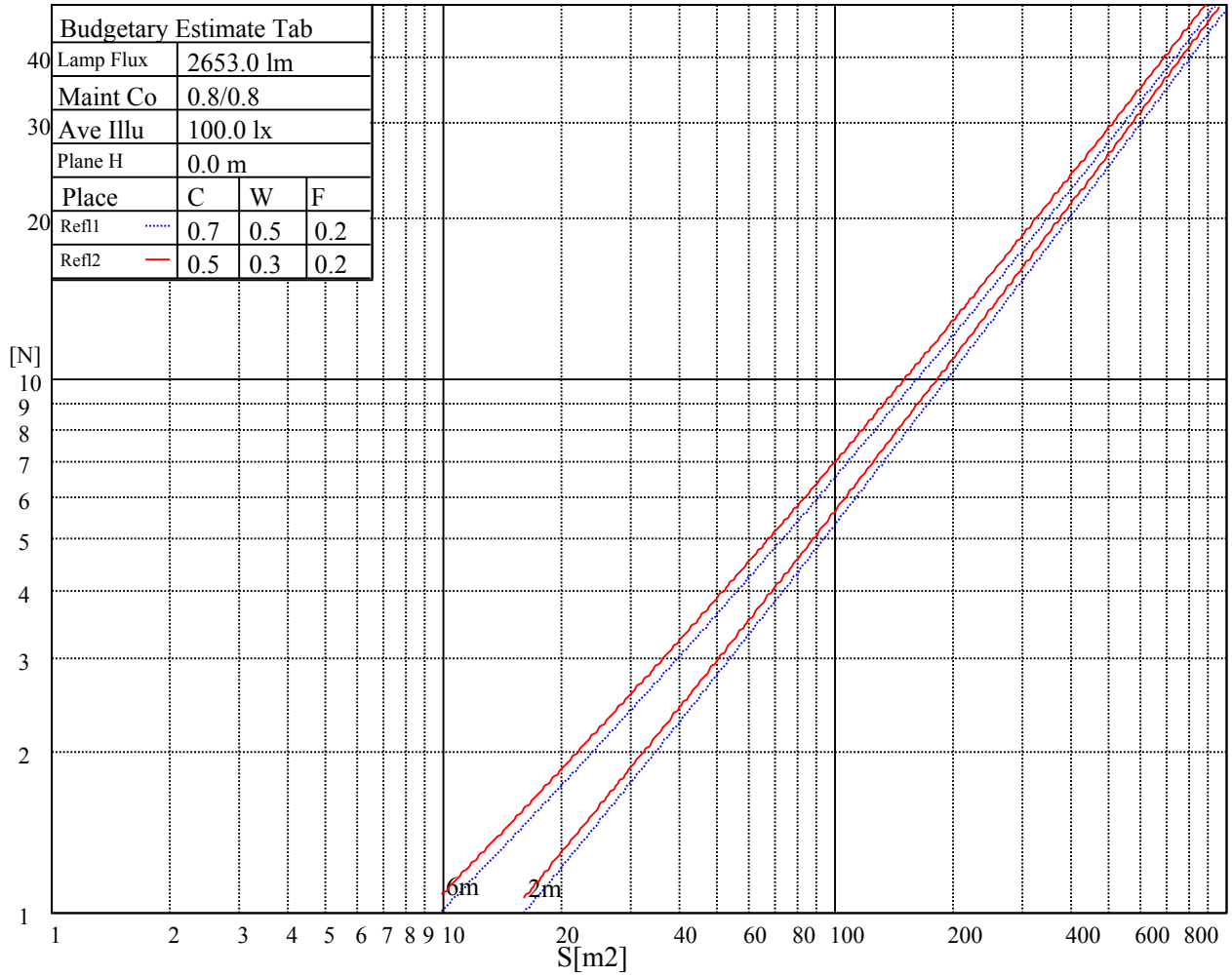
Luminance Limitting Curve



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

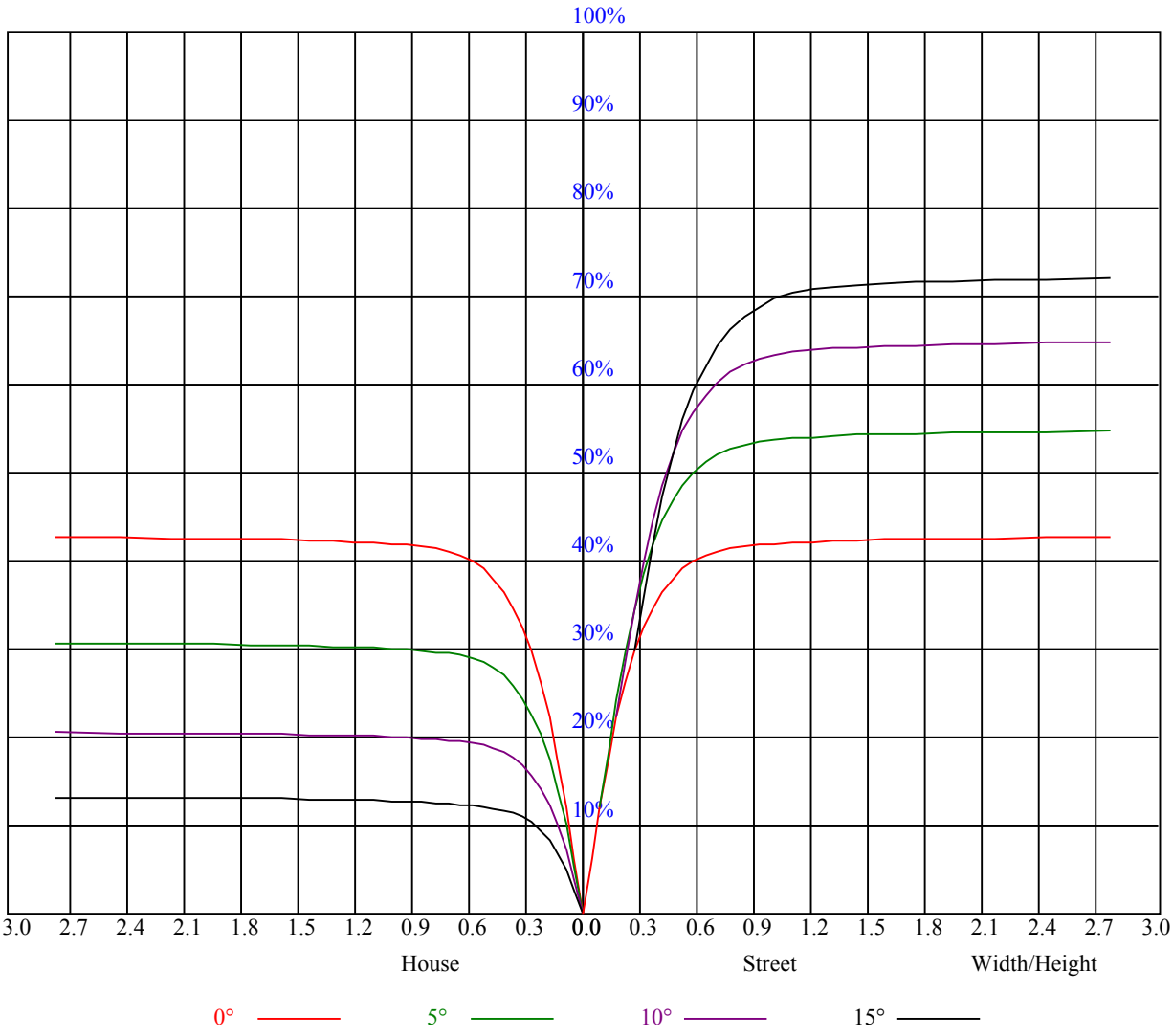


Equipment: GMS1980 Date: 2024/3/8 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

Utilization factor table for indoor luminaire

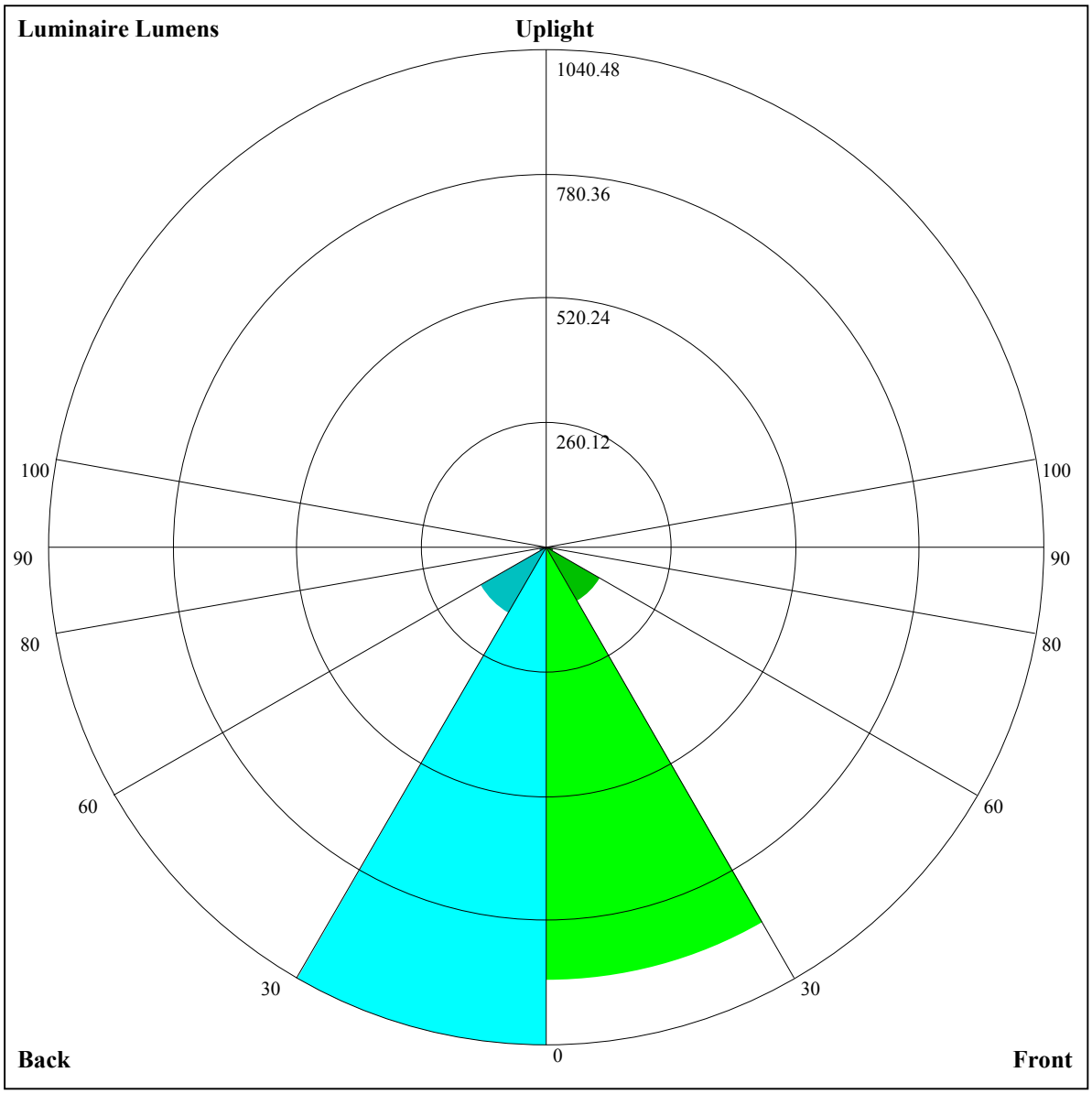
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.02	1.02	1.02	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.86
1	0.96	0.94	0.92	0.94	0.92	0.91	0.91	0.89	0.88	0.87	0.86	0.85	0.85	0.84	0.83	0.81
2	0.90	0.87	0.85	0.89	0.86	0.84	0.86	0.84	0.82	0.84	0.82	0.80	0.81	0.80	0.79	0.77
3	0.85	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.78	0.76	0.75	0.73
4	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.73	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.67
6	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
7	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.65	0.62	0.61
8	0.68	0.64	0.61	0.67	0.63	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.55

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/8	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

LCS Graph



Luminaire Lumens:
FL=906.77,FM=130.06,FH=16.1,FVH=5.57
BL=1040.48,BM=161.56,BH=17.25,BVH=5.72
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	7231.68	7036.80	6833.73	6586.77	6174.77	5823.63	5463.72	4994.37	4597.59
45.0	7403.15	7305.42	7169.06	6947.26	6720.78	6415.29	5957.06	5581.93	5092.69
90.0	7322.98	7235.20	7100.59	6839.00	6561.60	6233.88	5758.67	5353.70	4948.14
135.0	7414.27	7383.26	7335.85	7245.14	7066.07	6863.58	6610.17	6195.84	5820.12
180.0	7231.68	7400.23	7423.05	7403.74	7416.61	7341.12	7182.52	6989.40	6706.15
225.0	7403.15	7417.79	7378.58	7359.85	7255.09	7100.59	6829.05	6573.89	6255.53
270.0	7322.98	7406.67	7424.22	7364.53	7260.95	7101.76	6900.45	6673.96	6294.15
315.0	7414.27	7409.59	7312.44	7140.39	6941.41	6644.70	6350.92	5912.59	5536.87
360.0	7231.68	7036.80	6833.73	6586.77	6174.77	5823.63	5463.72	4994.37	4597.59

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4204.90	3750.77	3414.26	3098.24	2735.99	2482.00	2253.76	2057.12	1856.98
45.0	4691.81	4312.58	3963.20	3535.99	3207.09	2896.92	2614.84	2314.62	2111.55
90.0	4558.96	4103.66	3754.86	3417.19	3095.90	2728.96	2465.03	2187.04	2001.53
135.0	5426.26	4907.76	4505.71	4038.11	3688.73	3358.08	3033.86	2668.68	2412.36
180.0	6416.47	5975.79	5586.03	5178.71	4765.55	4255.81	3872.49	3524.87	3208.85
225.0	5787.93	5402.27	5019.53	4525.02	4141.11	3775.34	3355.15	3044.40	2756.47
270.0	5941.26	5569.64	5196.27	4722.24	4341.26	3959.11	3492.10	3170.22	2812.06
315.0	5171.69	4695.90	4300.88	3919.31	3567.00	3165.54	2874.10	2608.41	2369.05
360.0	4204.90	3750.77	3414.26	3098.24	2735.99	2482.00	2253.76	2057.12	1856.98

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1715.35	1583.68	1466.63	1149.97	1149.97	1125.50	1005.53	912.01	818.85
45.0	1940.08	1749.30	1611.18	1492.97	1353.68	1253.61	1128.37	1032.98	935.25
90.0	1841.76	1659.17	1532.76	1417.47	1154.01	1154.01	1081.50	988.45	893.87
135.0	2191.73	2006.21	1807.82	1663.27	1533.93	1418.64	1285.21	1182.80	1056.97
180.0	2834.89	2552.81	2302.92	2040.74	1874.53	1727.64	1587.19	1441.47	1333.20
225.0	2491.36	2202.26	2007.97	1841.18	1694.87	1533.35	1425.08	1158.86	1158.86
270.0	2560.42	2320.48	2096.92	1884.48	1744.61	1611.18	1459.02	1353.68	1253.61
315.0	2104.53	1924.86	1778.56	1609.43	1490.63	1382.95	1159.80	1159.80	1066.40
360.0	1715.35	1583.68	1466.63	1149.97	1149.97	1125.50	1005.53	912.01	818.85

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	703.62	612.38	523.13	420.25	353.65	300.81	246.96	210.74	179.96
45.0	842.20	725.74	633.27	543.73	460.05	373.43	321.35	299.11	299.11
90.0	777.82	686.29	593.18	484.74	408.08	348.09	300.75	250.71	217.82
135.0	962.17	869.12	754.41	661.95	570.07	481.70	386.89	328.37	304.38
180.0	1210.30	1116.08	1023.62	911.84	822.88	725.74	639.12	530.27	441.32
225.0	1111.52	1022.80	909.50	818.55	724.63	609.80	521.73	438.57	354.00
270.0	1159.39	1043.51	955.15	865.02	751.49	654.93	547.24	463.56	385.72
315.0	950.23	859.52	768.11	676.58	561.64	474.27	395.96	332.93	271.37
360.0	703.62	612.38	523.13	420.25	353.65	300.81	246.96	210.74	179.96

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	153.80	131.50	108.68	93.87	81.70	68.88	61.04	53.67	49.33
45.0	197.98	170.30	146.48	121.02	104.29	86.44	74.56	65.49	58.11
90.0	181.65	157.19	135.07	111.95	95.74	82.52	71.57	63.09	54.89
135.0	304.38	197.45	169.31	145.37	125.06	104.11	89.77	77.60	65.19
180.0	365.24	314.32	302.62	247.67	186.22	153.50	131.27	108.85	93.93
225.0	300.28	255.57	217.12	176.09	149.58	126.58	108.21	90.07	78.01
270.0	321.35	295.60	295.60	184.87	156.66	127.52	108.73	93.75	81.23
315.0	230.99	196.52	160.12	136.24	116.40	96.62	83.98	73.80	63.97
360.0	153.80	131.50	108.68	93.87	81.70	68.88	61.04	53.67	49.33

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	46.17	43.54	41.84	40.91	39.91	38.74	37.28	35.82	34.53
45.0	51.73	47.87	45.41	43.19	41.38	40.32	38.92	38.10	36.40
90.0	50.10	47.23	45.00	42.43	41.26	40.09	38.98	37.81	35.99
135.0	57.88	51.44	47.81	45.24	43.42	40.97	40.56	39.39	37.92
180.0	81.05	70.11	59.69	53.67	49.16	45.30	43.48	41.55	40.56
225.0	68.35	58.52	52.55	47.05	44.24	41.96	40.26	39.03	38.04
270.0	69.23	61.45	55.30	49.16	45.65	43.42	40.79	39.68	38.62
315.0	57.82	52.55	47.70	45.35	43.31	41.79	40.56	39.44	38.27
360.0	46.17	43.54	41.84	40.91	39.91	38.74	37.28	35.82	34.53

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	32.77	30.90	29.26	27.04	25.28	24.05	22.47	21.01	20.01
45.0	35.00	33.83	31.66	29.96	27.80	25.87	24.70	23.53	21.59
90.0	34.65	33.18	30.84	29.14	27.33	25.52	23.99	22.77	21.30
135.0	36.99	35.58	34.12	32.30	30.49	28.68	26.34	24.93	23.88
180.0	39.56	38.27	37.51	35.99	34.53	33.07	31.02	29.14	27.51
225.0	37.04	36.05	34.41	33.24	31.89	29.73	28.15	26.45	24.46
270.0	37.51	36.52	35.29	33.59	32.19	30.55	28.85	27.33	25.11
315.0	36.87	35.00	33.71	31.43	29.61	28.09	25.69	24.35	23.17
360.0	32.77	30.90	29.26	27.04	25.28	24.05	22.47	21.01	20.01

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.79	17.62	16.62	15.92	15.16	14.57	14.16	13.75	13.34
45.0	20.48	19.55	18.38	17.03	16.27	15.57	14.75	14.34	13.87
90.0	20.25	19.02	17.85	16.85	15.86	15.22	14.46	14.05	13.64
135.0	22.12	20.83	19.84	18.55	17.38	16.50	15.74	14.92	14.34
180.0	25.69	24.11	22.94	21.36	19.90	18.90	17.73	16.62	15.74
225.0	23.41	22.18	20.48	19.37	18.32	17.21	16.04	15.33	14.81
270.0	23.88	22.59	20.95	19.78	18.49	17.32	16.33	15.45	14.86
315.0	21.71	20.07	19.02	17.85	16.74	15.80	15.16	14.63	14.05
360.0	18.79	17.62	16.62	15.92	15.16	14.57	14.16	13.75	13.34

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.05	12.70	12.47	12.17	11.82	11.59	11.35	11.06	10.83
45.0	13.46	13.11	12.76	12.47	12.17	11.88	11.59	11.35	11.06
90.0	13.34	12.93	12.64	12.41	12.11	11.76	11.53	11.29	11.00
135.0	13.93	13.58	13.17	12.87	12.58	12.29	12.00	11.65	11.41
180.0	15.10	14.51	13.99	13.69	13.34	12.93	12.70	12.35	12.06
225.0	14.28	13.81	13.52	13.17	12.82	12.58	12.23	11.94	11.70
270.0	14.40	13.99	13.64	13.23	12.93	12.70	12.35	12.11	11.88
315.0	13.69	13.34	12.99	12.70	12.41	12.11	11.88	11.59	11.35
360.0	13.05	12.70	12.47	12.17	11.82	11.59	11.35	11.06	10.83

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.59	10.42	10.24	10.01	9.83	9.83	9.54	9.60	9.54
45.0	10.83	10.65	10.36	10.18	9.95	9.77	9.83	9.48	9.60
90.0	10.77	10.53	10.30	10.12	9.89	9.77	9.77	9.42	9.54
135.0	11.18	10.89	10.71	10.48	10.30	10.07	9.89	9.77	9.54
180.0	11.82	11.53	11.29	11.06	10.83	10.59	10.36	10.18	10.07
225.0	11.41	11.24	11.00	10.71	10.48	10.36	10.18	9.95	9.77
270.0	11.53	11.29	11.00	10.77	10.53	10.30	10.07	9.89	9.71
315.0	11.06	10.83	10.65	10.42	10.24	10.01	9.83	9.71	9.48
360.0	10.59	10.42	10.24	10.01	9.83	9.83	9.54	9.60	9.54

Intensity data(cd)

C/γ(°)	90.0
0.0	9.54
45.0	9.48
90.0	9.48
135.0	9.48
180.0	9.77
225.0	9.71
270.0	9.77
315.0	9.54
360.0	9.54