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NT

Client:
LumCAT: 2-2682-L
Luminaire: 92.70.412.00
Report No: 2024301-B012
Ballast type: AC

Test No: 2024301-C012	Voltage(V): 34.520
LampCAT: LUMINUS CXM-14-AC40	Current(A): 0.530
Lamp flux(lm): 2575.0	Power (W): 18.295
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2215.67, Efficiency(%): 86.05% , Luminous Efficacy(lm/W): 121.11
Central intensity(cd): 9361.903, Maximum intensity(cd): 9361.903
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=19.0
[C90/270]Total=19.0
Field angle(10%Imax): [C0/180]Total=54.4
[C90/270]Total=54.4
Maximum s/h(1/2): C0_180=0.32 C90_270=0.32
Maximum s/h(1/4): C0_180=0.39 C90_270=0.39
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 86.05%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.913%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9361.903	0.000	0	0.00%	0.00%
1.0	9286.994	8.923	8.923	0.35%	0.40%
2.0	9049.978	26.319	35.242	1.02%	1.59%
3.0	8667.387	42.374	77.616	1.65%	3.50%
4.0	8172.214	56.368	133.984	2.19%	6.05%
5.0	7553.338	67.650	201.634	2.63%	9.10%
6.0	6901.617	75.965	277.599	2.95%	12.53%
7.0	6217.562	81.431	359.029	3.16%	16.20%
8.0	5529.337	84.070	443.1	3.26%	20.00%
9.0	4939.870	84.847	527.947	3.30%	23.83%
10.0	4394.879	84.476	612.423	3.28%	27.64%
11.0	3978.638	83.669	696.092	3.25%	31.42%
12.0	3556.617	82.371	778.463	3.20%	35.13%
13.0	3227.867	80.515	858.978	3.13%	38.77%
14.0	2944.472	79.005	937.983	3.07%	42.33%
15.0	2678.633	77.196	1015.179	3.00%	45.82%
16.0	2449.591	75.143	1090.322	2.92%	49.21%
17.0	2223.767	72.777	1163.099	2.83%	52.49%
18.0	2037.080	70.252	1233.351	2.73%	55.66%
19.0	1865.097	67.890	1301.241	2.64%	58.73%
20.0	1712.207	65.475	1366.716	2.54%	61.68%
21.0	1545.426	62.553	1429.269	2.43%	64.51%
22.0	1411.314	59.417	1488.686	2.31%	67.19%
23.0	1287.027	56.618	1545.304	2.20%	69.74%
24.0	1185.534	54.059	1599.363	2.10%	72.18%
25.0	1107.568	52.140	1651.503	2.02%	74.54%
26.0	1024.722	50.333	1701.836	1.95%	76.81%
27.0	952.402	48.371	1750.207	1.88%	78.99%
28.0	881.224	46.424	1796.631	1.80%	81.09%
29.0	800.639	44.002	1840.633	1.71%	83.07%
30.0	722.592	41.127	1881.76	1.60%	84.93%
31.0	636.147	37.812	1919.572	1.47%	86.64%
32.0	555.232	34.132	1953.703	1.33%	88.18%
33.0	468.838	30.169	1983.873	1.17%	89.54%
34.0	388.055	25.932	2009.805	1.01%	90.71%
35.0	319.533	21.975	2031.78	0.85%	91.70%
36.0	263.812	18.574	2050.354	0.72%	92.54%
37.0	200.637	15.148	2065.501	0.59%	93.22%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	160.527	12.055	2077.557	0.47%	93.77%
39.0	99.415	8.873	2086.429	0.34%	94.17%
40.0	78.742	6.213	2092.643	0.24%	94.45%
41.0	67.133	5.195	2097.837	0.20%	94.68%
42.0	61.412	4.670	2102.507	0.18%	94.89%
43.0	57.272	4.396	2106.904	0.17%	95.09%
44.0	54.419	4.215	2111.119	0.16%	95.28%
45.0	51.661	4.077	2115.196	0.16%	95.47%
46.0	49.364	3.951	2119.147	0.15%	95.64%
47.0	47.440	3.850	2122.997	0.15%	95.82%
48.0	45.735	3.767	2126.764	0.15%	95.99%
49.0	44.353	3.700	2130.463	0.14%	96.15%
50.0	43.263	3.653	2134.116	0.14%	96.32%
51.0	42.378	3.623	2137.74	0.14%	96.48%
52.0	41.529	3.600	2141.34	0.14%	96.65%
53.0	40.907	3.586	2144.926	0.14%	96.81%
54.0	40.666	3.595	2148.521	0.14%	96.97%
55.0	40.337	3.616	2152.137	0.14%	97.13%
56.0	39.693	3.616	2155.754	0.14%	97.30%
57.0	38.720	3.585	2159.339	0.14%	97.46%
58.0	37.235	3.512	2162.851	0.14%	97.62%
59.0	35.216	3.387	2166.238	0.13%	97.77%
60.0	32.619	3.205	2169.443	0.12%	97.91%
61.0	30.066	2.991	2172.434	0.12%	98.05%
62.0	27.045	2.752	2175.186	0.11%	98.17%
63.0	24.309	2.498	2177.684	0.10%	98.29%
64.0	21.492	2.247	2179.931	0.09%	98.39%
65.0	19.334	2.020	2181.952	0.08%	98.48%
66.0	17.688	1.847	2183.799	0.07%	98.56%
67.0	16.591	1.724	2185.523	0.07%	98.64%
68.0	15.794	1.641	2187.163	0.06%	98.71%
69.0	15.230	1.583	2188.746	0.06%	98.78%
70.0	14.799	1.542	2190.288	0.06%	98.85%
71.0	14.411	1.510	2191.798	0.06%	98.92%
72.0	14.038	1.479	2193.277	0.06%	98.99%
73.0	13.731	1.452	2194.729	0.06%	99.05%
74.0	13.431	1.428	2196.157	0.06%	99.12%
75.0	13.175	1.406	2197.563	0.05%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.904	1.384	2198.947	0.05%	99.25%
77.0	12.670	1.364	2200.311	0.05%	99.31%
78.0	12.392	1.342	2201.653	0.05%	99.37%
79.0	12.092	1.316	2202.968	0.05%	99.43%
80.0	11.785	1.287	2204.255	0.05%	99.48%
81.0	11.492	1.259	2205.514	0.05%	99.54%
82.0	11.200	1.231	2206.745	0.05%	99.60%
83.0	10.893	1.201	2207.946	0.05%	99.65%
84.0	10.622	1.172	2209.118	0.05%	99.70%
85.0	10.395	1.147	2210.265	0.04%	99.76%
86.0	10.161	1.124	2211.388	0.04%	99.81%
87.0	9.949	1.101	2212.489	0.04%	99.86%
88.0	9.751	1.079	2213.568	0.04%	99.91%
89.0	9.576	1.059	2214.628	0.04%	99.95%
90.0	9.488	1.045	2215.673	0.04%	100.00%

Zonal flux distribution table

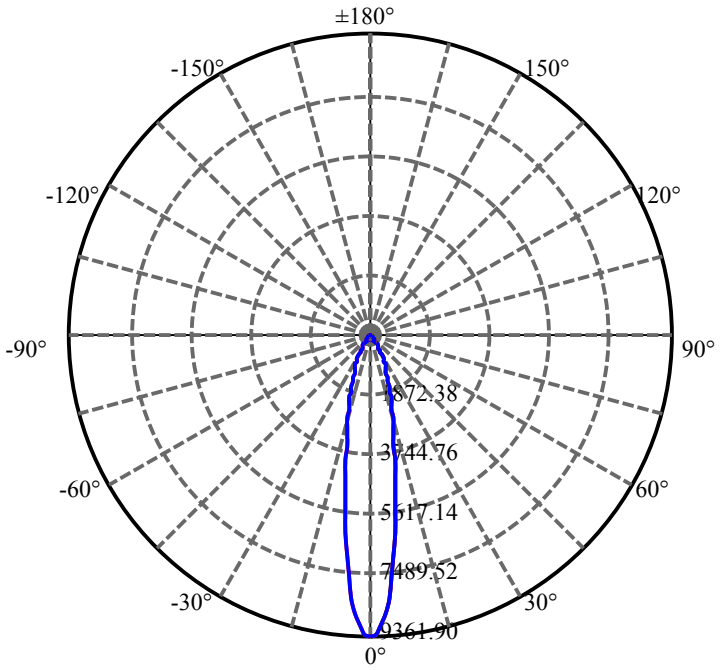
ZONAL LUMEN SUMMARY

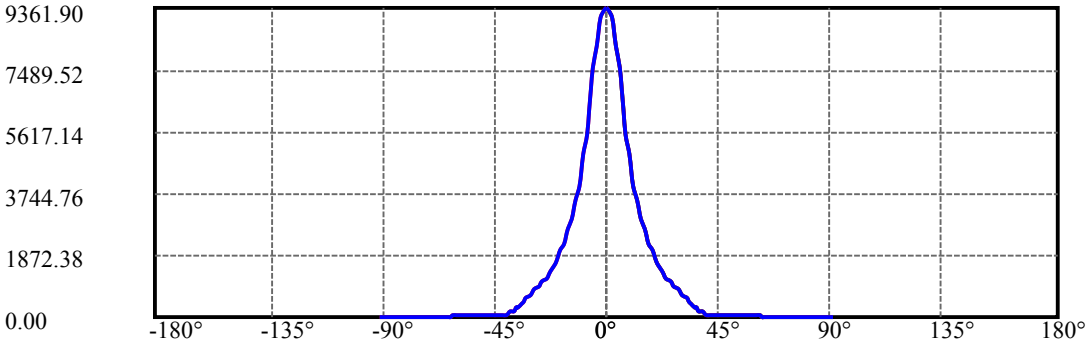
Zone	Lumens	%Lamp	%Fixt
0-30	1881.76	73.08%	84.93%
0-40	2092.64	81.27%	94.45%
0-60	2169.44	84.25%	97.91%
0-90	2214.63	86.00%	99.95%
0-120	2214.63	86.00%	99.95%
0-180	2215.67	86.05%	100.00%
60-90	45.18	1.75%	2.04%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.48	1772.54	68.84%	80.00%

ZONAL LUMEN SUMMARY

0-10	612.42
10-20	754.29
20-30	515.04
30-40	210.88
40-50	41.47
50-60	35.33
60-70	20.85
70-80	13.97
80-90	10.37
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):

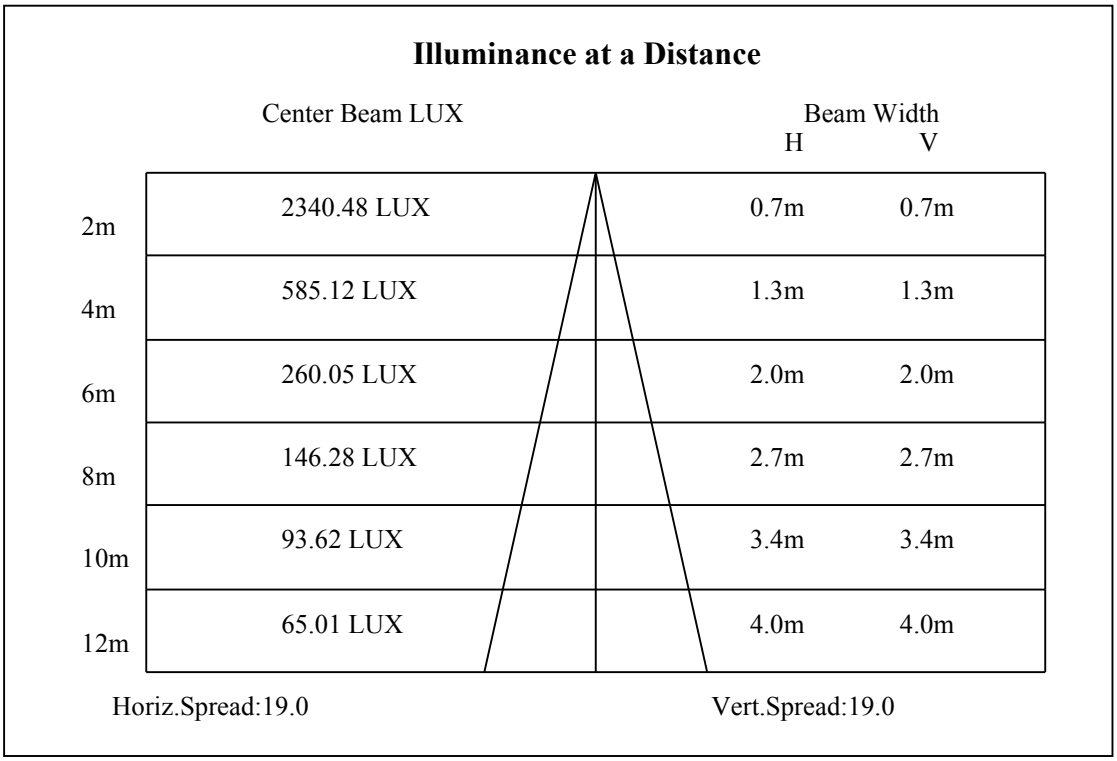
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:27.2 Right:27.2
:C90/270Left:27.2 Right:27.2

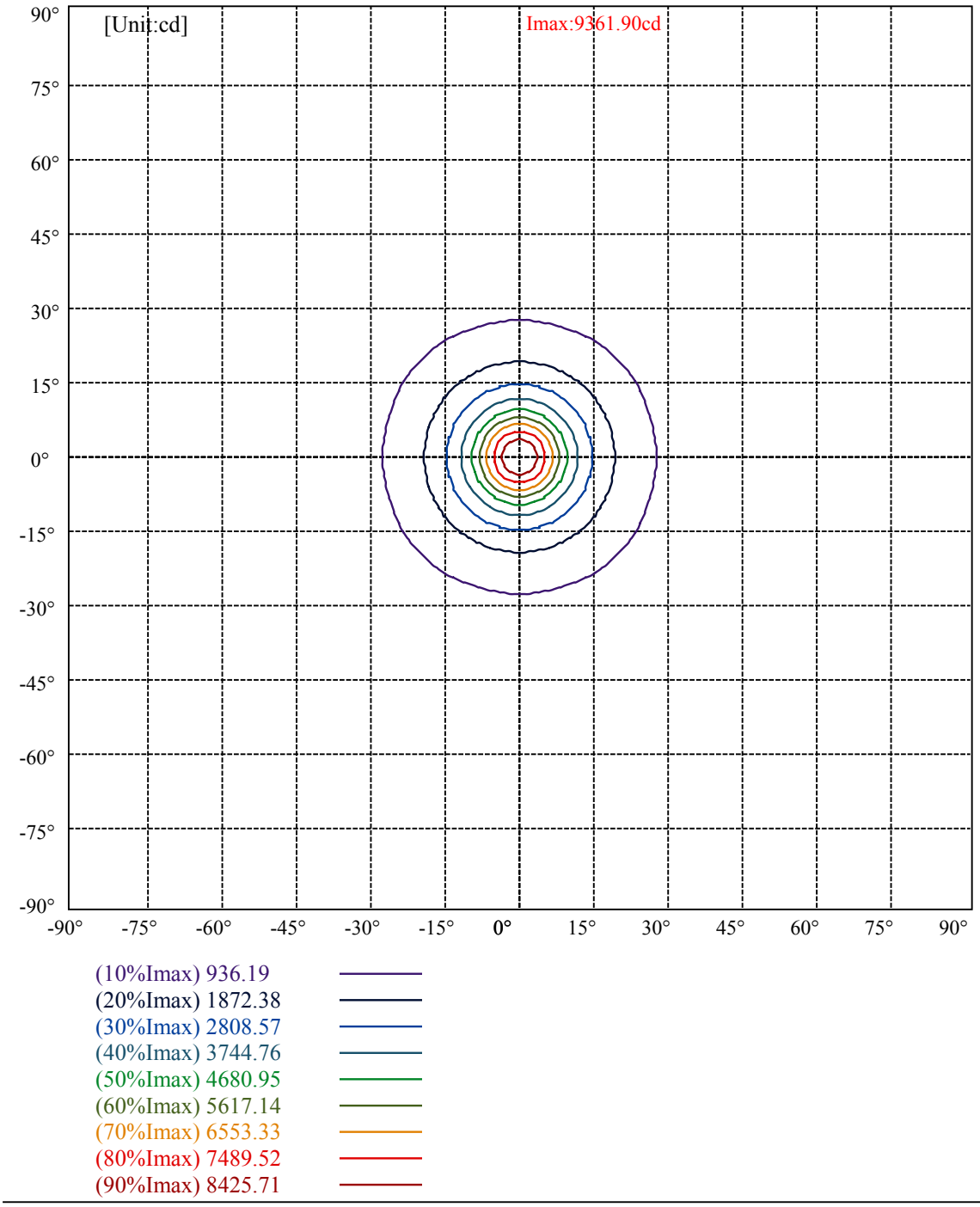
Beam Angle(50%Imax):C0/180Left:9.5 Right:9.5
:C90/270Left:9.5 Right:9.5

Lux distance Curve



Equipment: GMS1980 Date: 2024/3/01 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

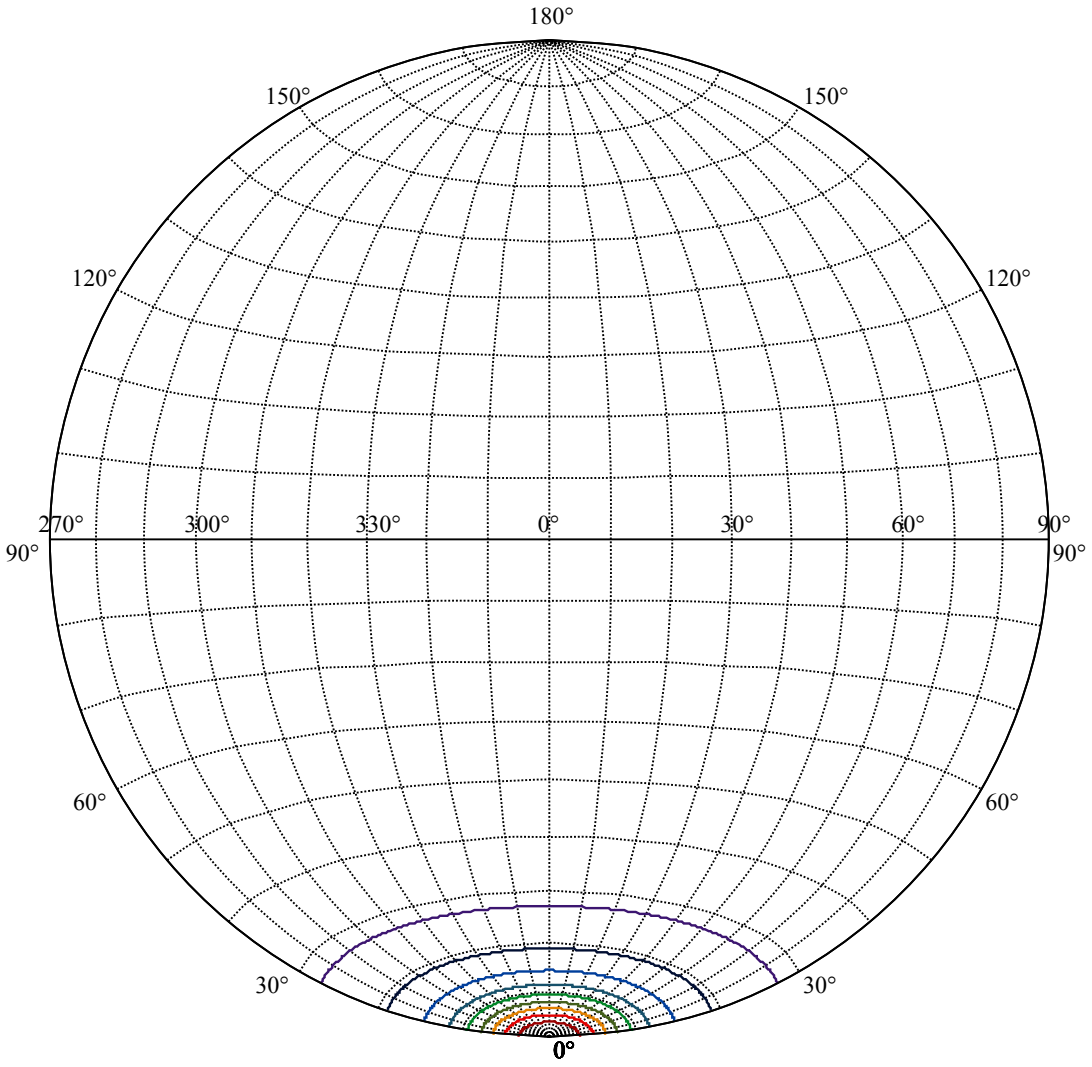


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/01
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



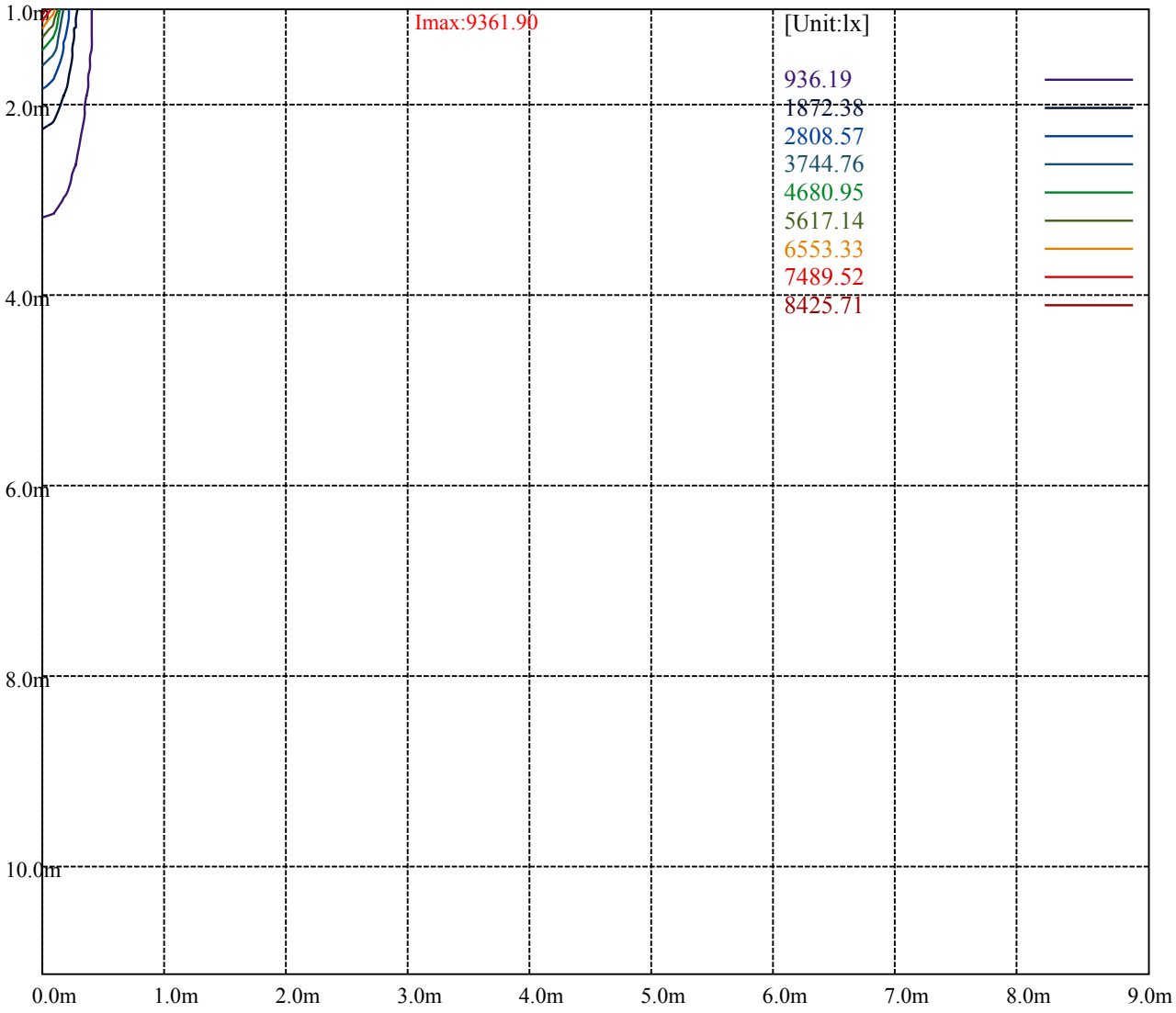
House [Unit:cd] Road

Imax:9361.90

(10%Imax) 936.19
(20%Imax) 1872.38
(30%Imax) 2808.57
(40%Imax) 3744.76
(50%Imax) 4680.95
(60%Imax) 5617.14
(70%Imax) 6553.33
(80%Imax) 7489.52
(90%Imax) 8425.71

Equipment: GMS1980	Date: 2024/3/01	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/3/01
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

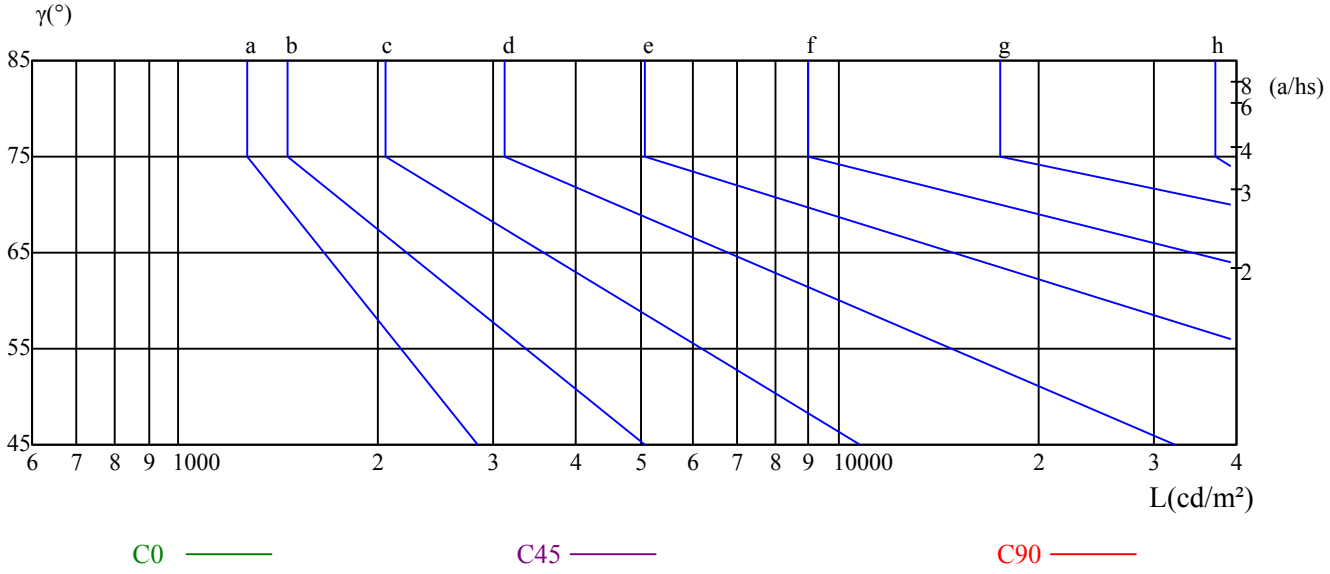
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

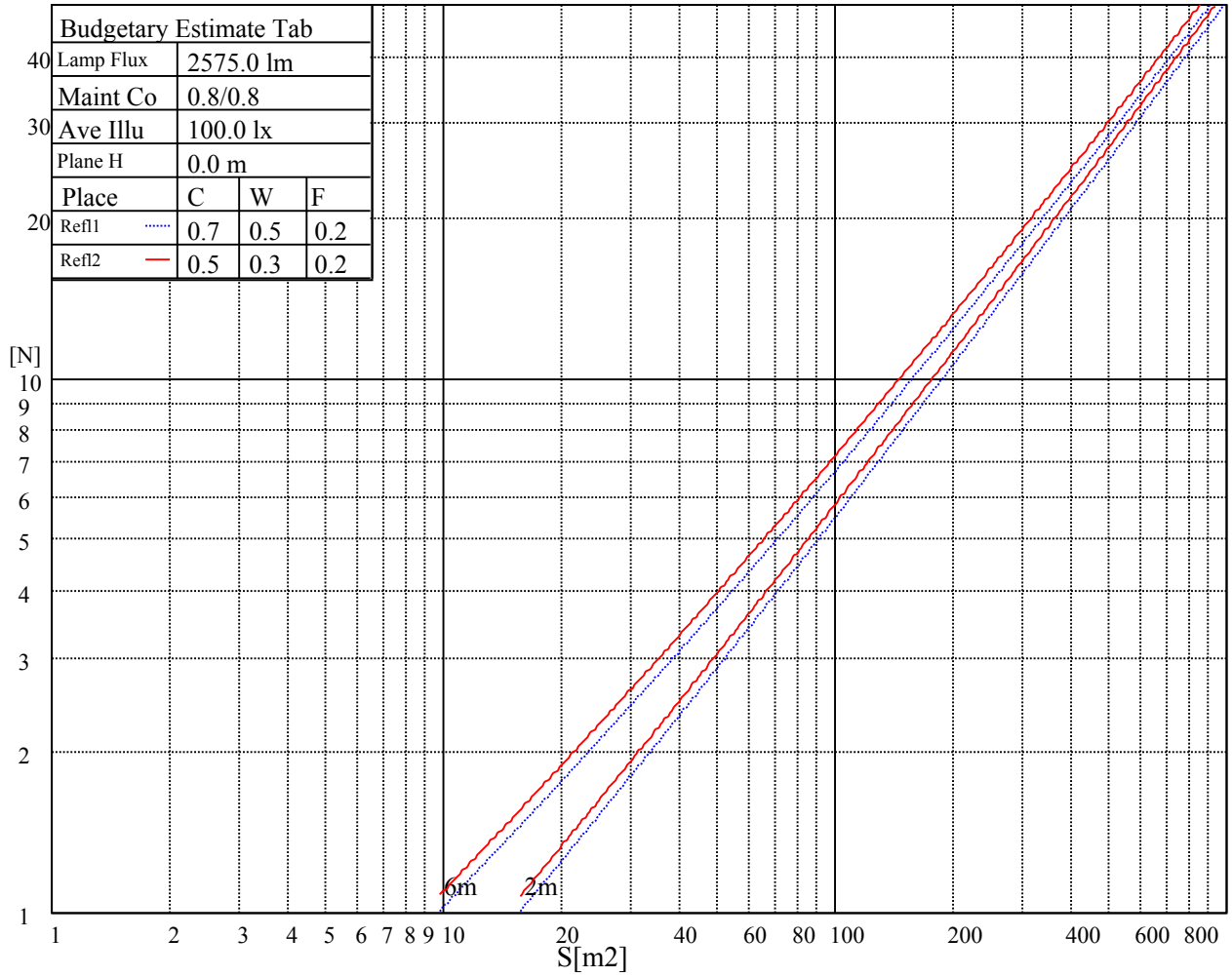
Luminance Limitting Curve



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

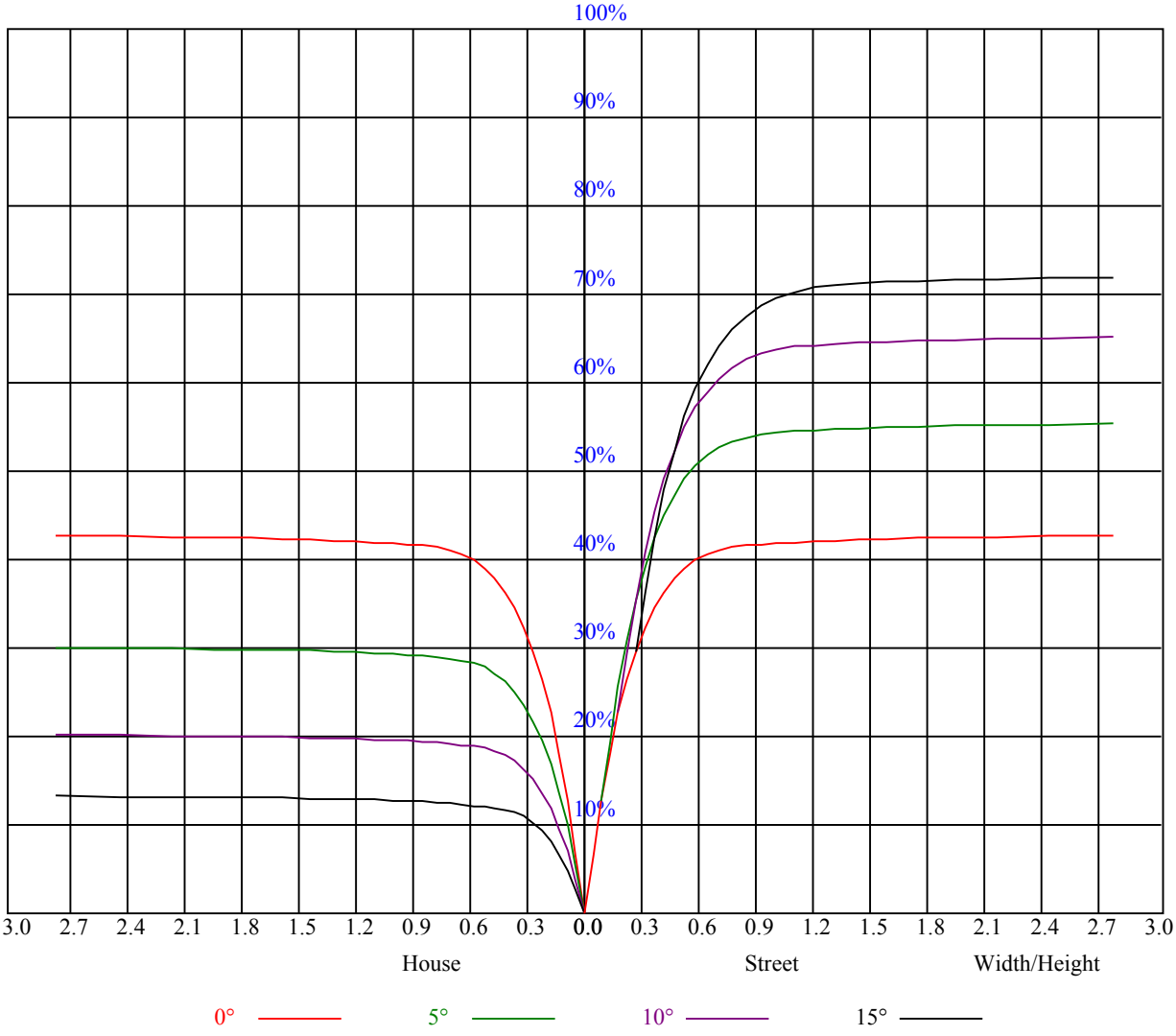


Equipment: GMS1980 Date: 2024/3/01 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

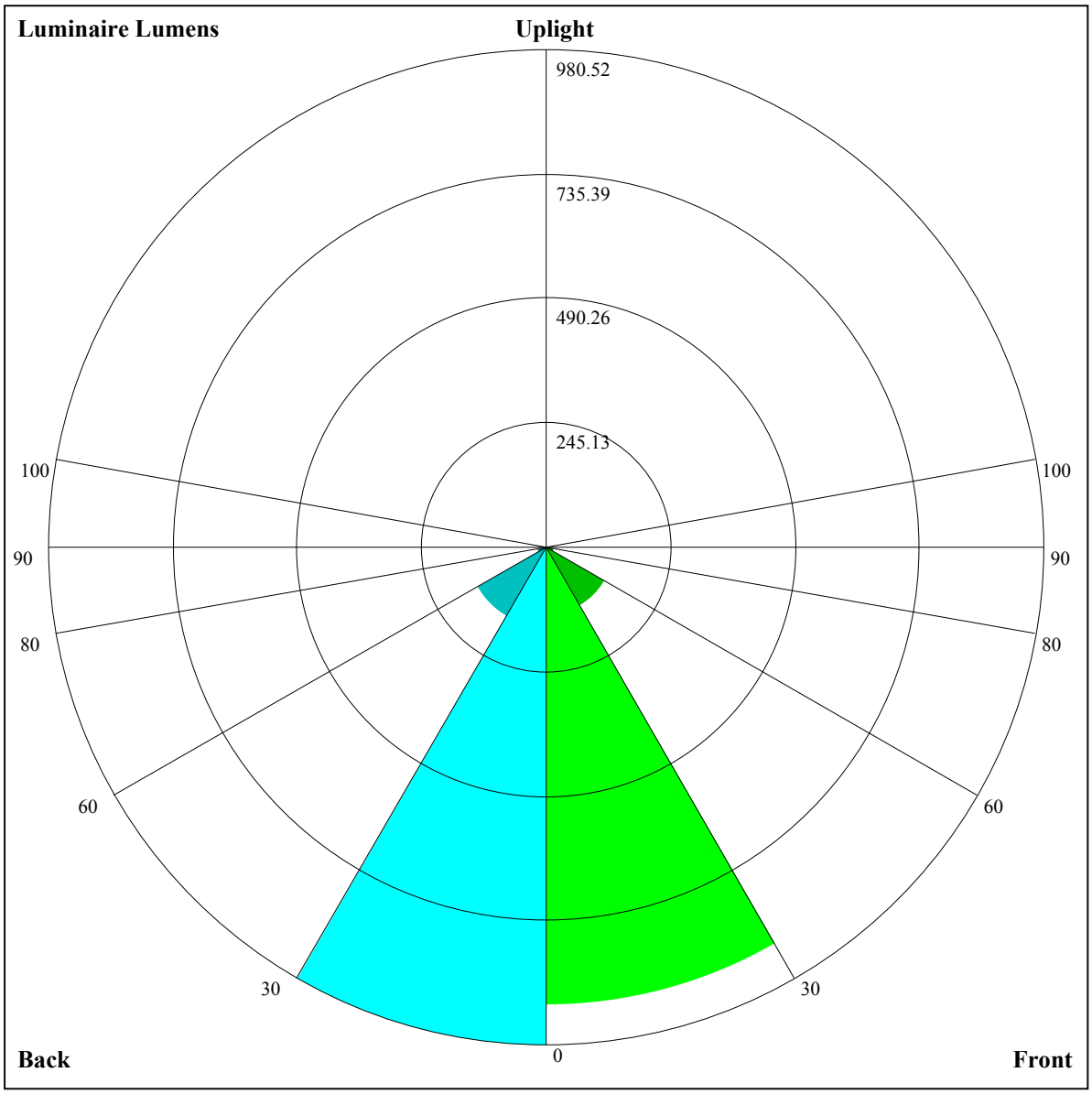
Utilization factor table for indoor luminaire

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	0.86	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	0.74
4	0.81	0.77	0.74	0.80	0.77	0.74	0.79	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.78	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	0.74	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
7	0.71	0.67	0.64	0.71	0.66	0.64	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.62
8	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.65	0.62	0.60	0.59
9	0.66	0.62	0.59	0.65	0.61	0.59	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.55

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/3/01	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=902.36,FM=134.58,FH=17.1,FVH=5.66
BL=980.52,BM=156.83,BH=17.84,BVH=5.77
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	9195.70	8866.22	8431.98	7768.92	7136.29	6277.77	5607.10	4999.05	4369.93
45.0	9440.32	9285.82	8983.85	8575.36	7935.12	7314.79	6633.00	5787.93	5179.30
90.0	9319.77	9020.13	8503.96	7999.50	7396.72	6736.00	5910.25	5304.54	4763.79
135.0	9491.82	9388.82	9114.35	8722.25	8117.13	7526.64	6881.72	6216.90	5436.80
180.0	9195.70	9428.62	9461.39	9332.06	9062.85	8564.83	8082.60	7507.91	6827.29
225.0	9440.32	9429.79	9268.85	8961.02	8543.76	7919.91	7333.51	6470.31	5769.79
270.0	9319.77	9465.49	9447.93	9238.42	8914.79	8368.78	7833.30	7236.37	6359.70
315.0	9491.82	9411.06	9187.51	8741.56	8271.04	7718.01	6931.46	6217.49	5528.09
360.0	9195.70	8866.22	8431.98	7768.92	7136.29	6277.77	5607.10	4999.05	4369.93

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3961.45	3609.14	3289.61	2997.58	2692.68	2475.56	2274.83	2091.07	1890.92
45.0	4656.11	4105.41	3727.36	3315.36	3028.60	2778.12	2551.64	2341.54	2108.04
90.0	4295.02	3801.09	3455.23	3085.36	2834.30	2607.82	2345.64	2156.61	1986.31
135.0	4889.03	4410.31	3999.49	3548.86	3242.79	2970.66	2669.85	2448.64	2249.66
180.0	5970.52	5348.43	4804.17	4211.34	3811.04	3461.66	3101.17	2836.64	2552.81
225.0	5145.94	4494.59	4070.88	3696.92	3296.05	3016.89	2764.66	2543.45	2289.46
270.0	5686.10	5079.81	4569.50	4029.33	3663.57	3341.69	3056.10	2731.89	2511.84
315.0	4914.78	4310.24	3912.87	3568.18	3253.91	2903.36	2665.17	2446.88	2201.09
360.0	3961.45	3609.14	3289.61	2997.58	2692.68	2475.56	2274.83	2091.07	1890.92

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1748.71	1583.09	1459.02	1158.86	1158.86	1113.80	1037.37	958.95	894.34
45.0	1944.18	1793.19	1651.56	1488.87	1370.66	1262.39	1138.32	1056.39	972.70
90.0	1792.60	1649.81	1518.72	1397.58	1155.70	1155.70	1072.89	1006.29	933.84
135.0	2029.62	1868.10	1686.09	1553.83	1432.69	1323.25	1196.84	1108.47	1034.74
180.0	2346.23	2170.66	1990.41	1832.98	1660.93	1531.59	1411.62	1303.94	1181.04
225.0	2106.28	1936.57	1786.17	1610.01	1485.36	1290.48	1156.87	1133.81	1054.40
270.0	2299.99	2084.04	1912.57	1761.59	1588.94	1462.54	1313.89	1205.04	1110.82
315.0	2029.03	1835.32	1693.11	1559.68	1437.37	1156.46	1156.46	1087.64	1015.89
360.0	1748.71	1583.09	1459.02	1158.86	1158.86	1113.80	1037.37	958.95	894.34

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	821.60	744.41	644.57	565.15	487.26	412.99	323.10	255.74	194.06
45.0	914.18	842.20	746.81	669.56	590.55	512.13	417.91	346.51	297.94
90.0	870.05	797.90	701.80	623.09	523.66	446.88	374.90	305.02	225.84
135.0	970.36	897.21	827.57	752.07	671.90	573.58	493.99	399.77	327.78
180.0	1096.18	1009.57	951.05	887.26	793.04	711.11	628.59	528.52	453.02
225.0	972.64	914.65	844.19	747.22	666.04	586.69	510.02	416.33	346.34
270.0	1033.57	970.36	890.77	818.20	740.95	661.95	562.46	485.80	413.81
315.0	940.63	873.51	798.36	718.19	615.77	536.53	439.74	366.76	297.47
360.0	821.60	744.41	644.57	565.15	487.26	412.99	323.10	255.74	194.06

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	130.10	93.64	73.50	65.95	61.62	57.53	54.43	51.97	49.86
45.0	297.94	158.36	104.11	77.48	68.59	63.26	59.69	55.42	52.38
90.0	170.36	123.66	88.54	71.16	66.36	62.85	59.11	53.08	51.21
135.0	310.23	229.00	129.39	92.11	70.58	61.92	58.58	55.25	52.20
180.0	378.70	308.47	308.47	166.26	118.86	85.21	68.88	63.73	60.63
225.0	278.74	218.17	152.22	109.03	79.24	67.42	63.09	59.46	55.36
270.0	326.03	310.23	310.23	134.66	96.45	74.67	67.30	62.85	59.46
315.0	218.41	163.57	117.75	78.65	68.24	64.20	60.22	56.42	54.25
360.0	130.10	93.64	73.50	65.95	61.62	57.53	54.43	51.97	49.86

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	47.75	45.41	44.13	42.96	41.79	41.32	40.79	40.32	39.74
45.0	50.39	47.81	45.71	44.54	43.54	42.19	41.43	40.79	40.32
90.0	49.04	47.29	46.00	44.42	43.01	42.60	42.31	41.49	40.91
135.0	49.39	47.75	45.82	44.07	43.19	41.96	40.97	40.44	39.97
180.0	55.65	52.26	50.45	48.40	46.53	45.24	44.18	42.84	42.14
225.0	53.14	51.15	49.04	46.88	45.53	44.42	43.31	42.55	41.79
270.0	55.60	52.96	50.62	48.69	46.35	44.71	43.37	42.08	41.38
315.0	52.32	50.27	47.75	45.94	44.89	43.66	42.66	41.73	41.02
360.0	47.75	45.41	44.13	42.96	41.79	41.32	40.79	40.32	39.74

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	39.80	39.15	37.92	36.17	33.01	30.37	28.27	25.75	22.18
45.0	40.09	40.26	39.44	38.22	36.64	34.29	30.78	28.50	26.10
90.0	40.91	40.50	39.33	37.57	35.17	31.72	29.26	27.10	23.17
135.0	39.62	39.50	39.15	38.04	36.52	34.12	31.66	28.97	26.10
180.0	41.84	41.08	40.56	40.56	40.15	39.03	37.63	35.23	31.60
225.0	41.20	41.08	40.91	39.74	38.68	37.28	33.88	30.96	28.62
270.0	40.97	40.32	40.09	40.09	39.62	38.39	36.46	33.77	30.08
315.0	40.91	40.79	40.15	39.39	38.10	36.52	33.01	30.26	28.50
360.0	39.80	39.15	37.92	36.17	33.01	30.37	28.27	25.75	22.18

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.90	18.08	16.80	15.92	15.39	14.92	14.46	14.10	13.81
45.0	22.24	19.90	17.97	16.74	15.80	15.33	14.86	14.51	14.10
90.0	20.54	18.20	16.97	16.27	15.74	15.27	14.75	14.46	14.10
135.0	23.47	20.13	18.14	16.80	15.92	15.39	14.92	14.46	14.10
180.0	29.20	26.10	22.82	20.42	18.55	16.80	16.15	15.63	15.16
225.0	25.52	22.18	19.90	18.20	16.85	15.98	15.45	14.98	14.51
270.0	27.92	25.46	22.24	19.49	17.79	16.62	15.80	15.27	14.86
315.0	25.69	21.89	19.84	17.67	16.68	16.04	15.45	14.98	14.63
360.0	19.90	18.08	16.80	15.92	15.39	14.92	14.46	14.10	13.81

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.46	13.23	12.99	12.70	12.47	12.23	11.94	11.53	11.24
45.0	13.75	13.46	13.17	12.99	12.70	12.47	12.23	11.88	11.59
90.0	13.75	13.46	13.23	12.99	12.70	12.47	12.06	11.82	11.53
135.0	13.87	13.58	13.23	12.99	12.82	12.58	12.35	12.06	11.76
180.0	14.69	14.34	14.05	13.75	13.40	13.17	12.87	12.64	12.41
225.0	14.16	13.87	13.52	13.28	12.99	12.76	12.52	12.23	11.88
270.0	14.40	14.05	13.69	13.40	13.11	12.93	12.64	12.41	12.11
315.0	14.22	13.87	13.58	13.28	13.05	12.76	12.52	12.17	11.76
360.0	13.46	13.23	12.99	12.70	12.47	12.23	11.94	11.53	11.24

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.00	10.71	10.42	10.24	10.07	9.89	9.66	9.48	9.48
45.0	11.29	11.00	10.71	10.42	10.24	10.01	9.83	9.60	9.42
90.0	11.18	10.94	10.59	10.36	10.18	9.95	9.71	9.48	9.48
135.0	11.41	11.12	10.83	10.59	10.30	10.12	9.89	9.71	9.48
180.0	12.06	11.76	11.41	11.12	10.89	10.53	10.36	10.07	9.83
225.0	11.65	11.35	11.12	10.71	10.53	10.30	10.07	9.89	9.66
270.0	11.88	11.53	11.18	10.89	10.53	10.30	10.12	9.95	9.71
315.0	11.47	11.18	10.89	10.65	10.42	10.18	9.95	9.83	9.54
360.0	11.00	10.71	10.42	10.24	10.07	9.89	9.66	9.48	9.48

Intensity data(cd)

C/γ(°)	90.0
0.0	9.48
45.0	9.42
90.0	9.48
135.0	9.42
180.0	9.66
225.0	9.42
270.0	9.54
315.0	9.48
360.0	9.48