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NT

Client:
LumCAT: 2-2686-L
Luminaire: 92.70.412.00
Report No: 2024301-B021
Ballast type: AC

Test No: 2024301-C021	Voltage(V): 33.960
LampCAT: LUMINUS CXM-14-AC40	Current(A): 0.530
Lamp flux(lm): 2575.0	Power (W): 17.998
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2176.91, Efficiency(%): 84.54% , Luminous Efficacy(lm/W): 120.95
Central intensity(cd): 11144.940, Maximum intensity(cd): 11144.940
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=47.4
[C90/270]Total=47.4
Maximum s/h(1/2): C0_180=0.32 C90_270=0.32
Maximum s/h(1/4): C0_180=0.34 C90_270=0.34
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.54%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.172%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	11144.937	0.000	0	0.00%	0.00%
1.0	11061.396	10.625	10.625	0.41%	0.49%
2.0	10809.237	31.391	42.016	1.22%	1.93%
3.0	10409.748	50.749	92.765	1.97%	4.26%
4.0	9877.340	67.907	160.672	2.64%	7.38%
5.0	9239.810	82.241	242.913	3.19%	11.16%
6.0	8478.652	93.115	336.029	3.62%	15.44%
7.0	7676.894	100.277	436.306	3.89%	20.04%
8.0	6784.718	103.499	539.805	4.02%	24.80%
9.0	5955.308	103.251	643.056	4.01%	29.54%
10.0	5159.036	100.581	743.636	3.91%	34.16%
11.0	4474.469	96.259	839.895	3.74%	38.58%
12.0	3826.479	90.741	930.636	3.52%	42.75%
13.0	3309.506	84.686	1015.322	3.29%	46.64%
14.0	2889.826	79.351	1094.673	3.08%	50.29%
15.0	2550.835	74.692	1169.365	2.90%	53.72%
16.0	2275.048	70.713	1240.078	2.75%	56.97%
17.0	2065.244	67.590	1307.668	2.62%	60.07%
18.0	1866.487	64.826	1372.494	2.52%	63.05%
19.0	1705.038	62.137	1434.631	2.41%	65.90%
20.0	1527.159	59.158	1493.789	2.30%	68.62%
21.0	1401.789	56.242	1550.031	2.18%	71.20%
22.0	1289.214	54.077	1604.108	2.10%	73.69%
23.0	1179.616	51.803	1655.91	2.01%	76.07%
24.0	1091.913	49.664	1705.574	1.93%	78.35%
25.0	995.095	47.454	1753.028	1.84%	80.53%
26.0	901.678	44.774	1797.802	1.74%	82.59%
27.0	806.140	41.782	1839.584	1.62%	84.50%
28.0	714.370	38.496	1878.08	1.49%	86.27%
29.0	625.679	35.059	1913.139	1.36%	87.88%
30.0	538.809	31.441	1944.58	1.22%	89.33%
31.0	461.165	27.828	1972.408	1.08%	90.61%
32.0	387.997	24.327	1996.736	0.94%	91.72%
33.0	325.787	21.028	2017.764	0.82%	92.69%
34.0	281.786	18.387	2036.151	0.71%	93.53%
35.0	231.018	15.926	2052.077	0.62%	94.27%
36.0	190.235	13.413	2065.489	0.52%	94.88%
37.0	142.312	10.846	2076.335	0.42%	95.38%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	110.154	8.427	2084.762	0.33%	95.77%
39.0	86.767	6.721	2091.484	0.26%	96.08%
40.0	68.822	5.426	2096.91	0.21%	96.33%
41.0	54.653	4.397	2101.307	0.17%	96.53%
42.0	43.863	3.579	2104.886	0.14%	96.69%
43.0	36.591	2.980	2107.866	0.12%	96.83%
44.0	31.346	2.564	2110.431	0.10%	96.95%
45.0	27.681	2.268	2112.699	0.09%	97.05%
46.0	25.245	2.070	2114.769	0.08%	97.15%
47.0	23.211	1.927	2116.696	0.07%	97.23%
48.0	21.595	1.811	2118.507	0.07%	97.32%
49.0	20.278	1.720	2120.227	0.07%	97.40%
50.0	19.203	1.646	2121.873	0.06%	97.47%
51.0	18.332	1.588	2123.461	0.06%	97.54%
52.0	17.666	1.545	2125.006	0.06%	97.62%
53.0	17.154	1.515	2126.521	0.06%	97.69%
54.0	16.759	1.495	2128.015	0.06%	97.75%
55.0	16.496	1.484	2129.5	0.06%	97.82%
56.0	16.357	1.485	2130.984	0.06%	97.89%
57.0	16.335	1.495	2132.479	0.06%	97.96%
58.0	16.401	1.514	2133.993	0.06%	98.03%
59.0	16.576	1.542	2135.535	0.06%	98.10%
60.0	16.767	1.575	2137.11	0.06%	98.17%
61.0	16.913	1.607	2138.717	0.06%	98.25%
62.0	16.972	1.633	2140.35	0.06%	98.32%
63.0	16.869	1.646	2141.996	0.06%	98.40%
64.0	16.598	1.642	2143.638	0.06%	98.47%
65.0	16.145	1.620	2145.258	0.06%	98.55%
66.0	15.523	1.580	2146.838	0.06%	98.62%
67.0	14.879	1.529	2148.367	0.06%	98.69%
68.0	14.309	1.479	2149.846	0.06%	98.76%
69.0	13.936	1.441	2151.287	0.06%	98.82%
70.0	13.621	1.415	2152.702	0.05%	98.89%
71.0	13.328	1.393	2154.095	0.05%	98.95%
72.0	13.168	1.378	2155.473	0.05%	99.02%
73.0	12.985	1.368	2156.84	0.05%	99.08%
74.0	12.794	1.355	2158.195	0.05%	99.14%
75.0	12.590	1.341	2159.537	0.05%	99.20%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.385	1.326	2160.862	0.05%	99.26%
77.0	12.100	1.305	2162.168	0.05%	99.32%
78.0	11.814	1.280	2163.448	0.05%	99.38%
79.0	11.536	1.255	2164.702	0.05%	99.44%
80.0	11.178	1.225	2165.927	0.05%	99.50%
81.0	10.827	1.190	2167.117	0.05%	99.55%
82.0	10.556	1.160	2168.277	0.05%	99.60%
83.0	10.337	1.136	2169.412	0.04%	99.66%
84.0	10.176	1.117	2170.53	0.04%	99.71%
85.0	9.985	1.100	2171.63	0.04%	99.76%
86.0	9.810	1.082	2172.712	0.04%	99.81%
87.0	9.678	1.067	2173.779	0.04%	99.86%
88.0	9.539	1.053	2174.831	0.04%	99.90%
89.0	9.473	1.042	2175.873	0.04%	99.95%
90.0	9.407	1.035	2176.909	0.04%	100.00%

Zonal flux distribution table

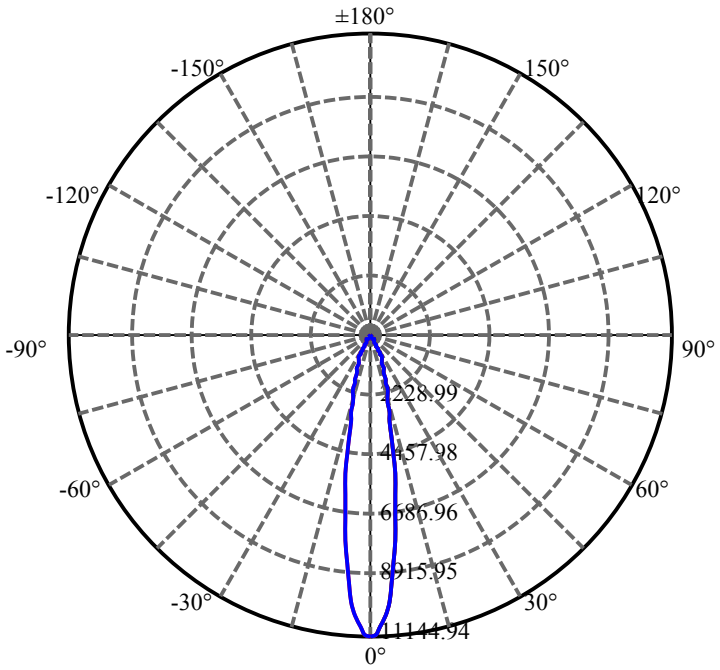
ZONAL LUMEN SUMMARY

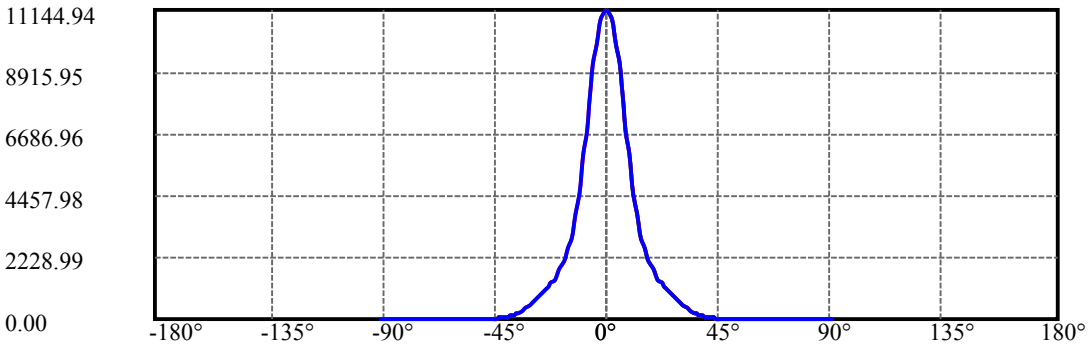
Zone	Lumens	%Lamp	%Fixt
0-30	1944.58	75.52%	89.33%
0-40	2096.91	81.43%	96.33%
0-60	2137.11	82.99%	98.17%
0-90	2175.87	84.50%	99.95%
0-120	2175.87	84.50%	99.95%
0-180	2176.91	84.54%	100.00%
60-90	38.76	1.51%	1.78%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.76	1741.53	67.63%	80.00%

ZONAL LUMEN SUMMARY

0-10	743.64
10-20	750.15
20-30	450.79
30-40	152.33
40-50	24.96
50-60	15.24
60-70	15.59
70-80	13.23
80-90	9.95
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):

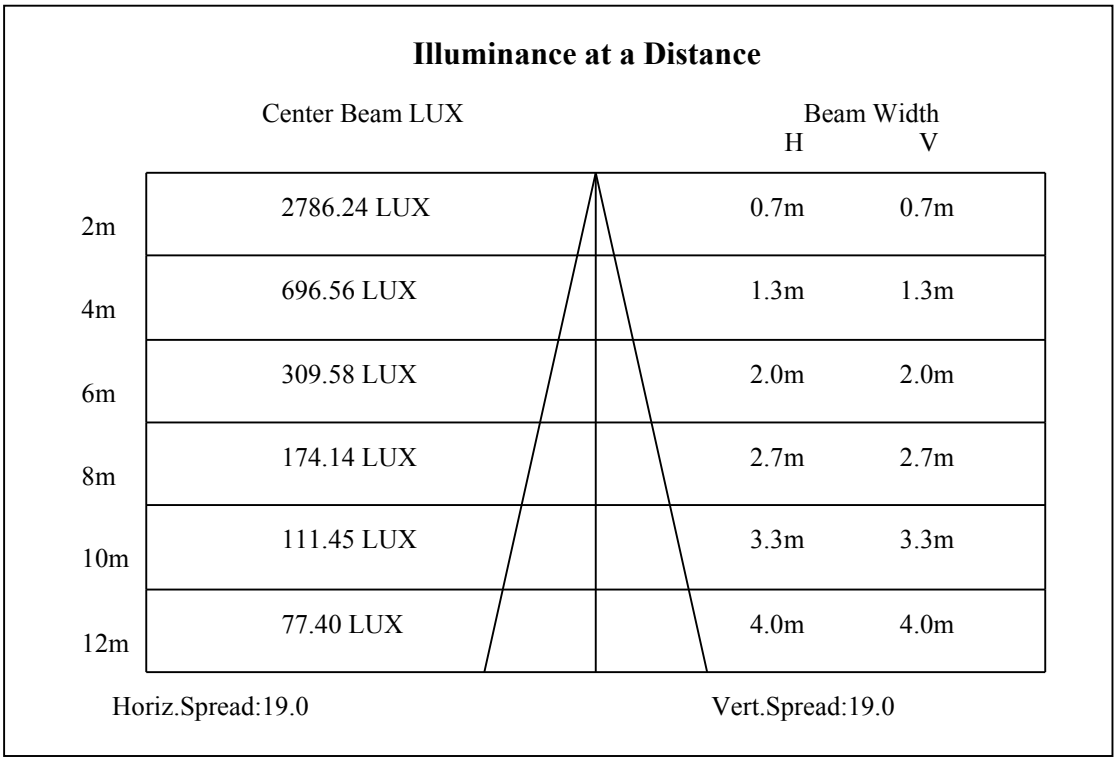
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:23.7 Right:23.7
:C90/270Left:23.7 Right:23.7

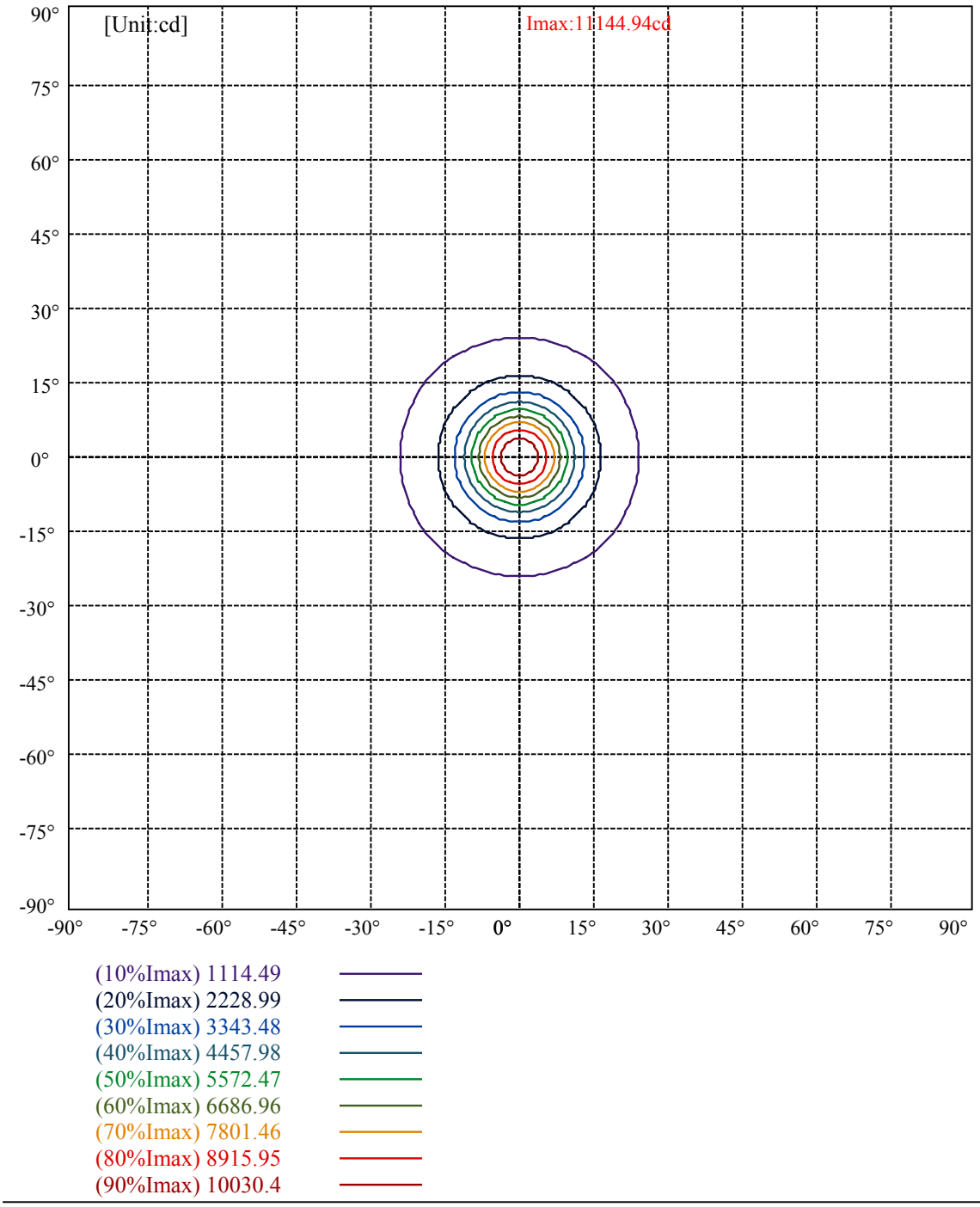
Beam Angle(50%Imax):C0/180Left:9.5 Right:9.5
:C90/270Left:9.5 Right:9.5

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)

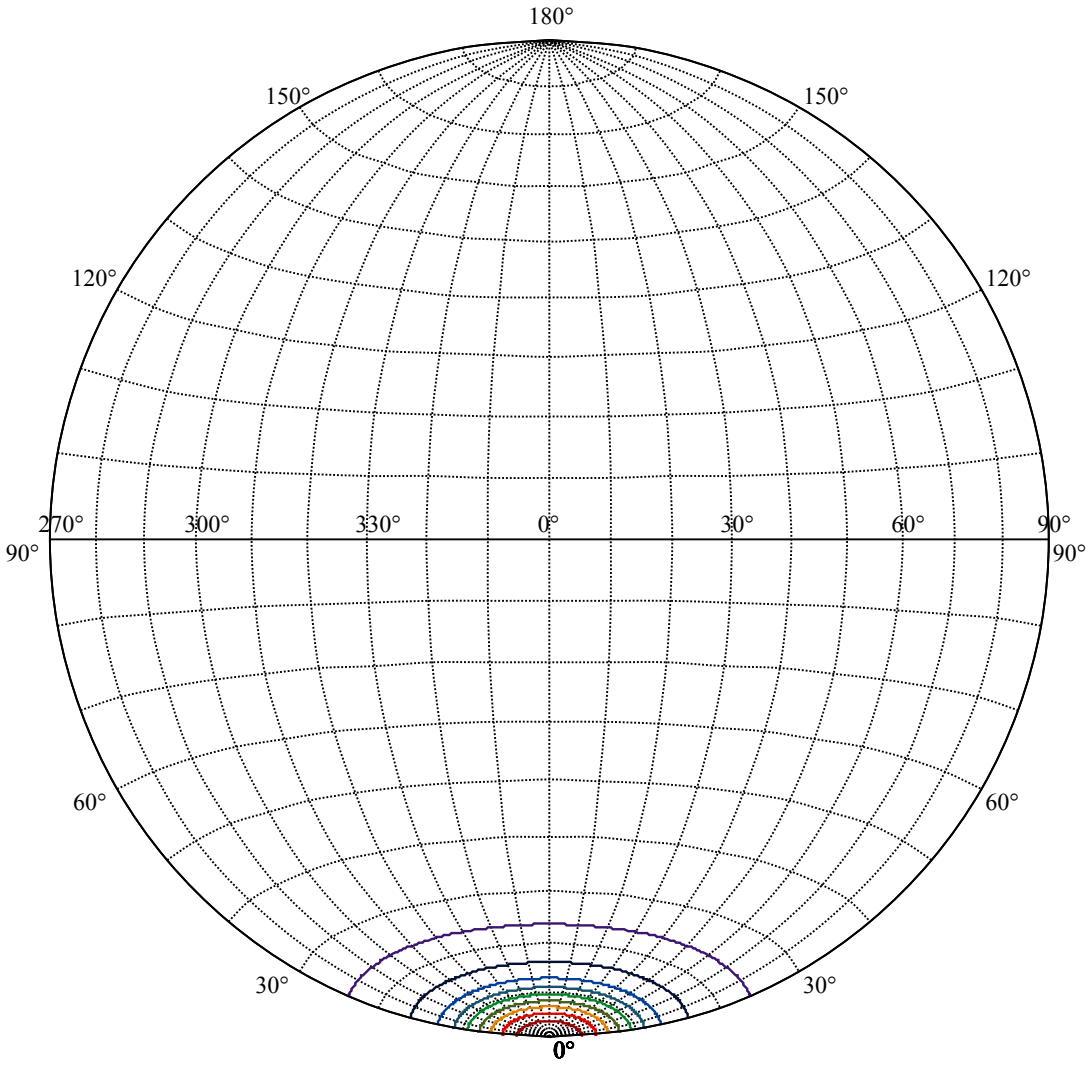


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



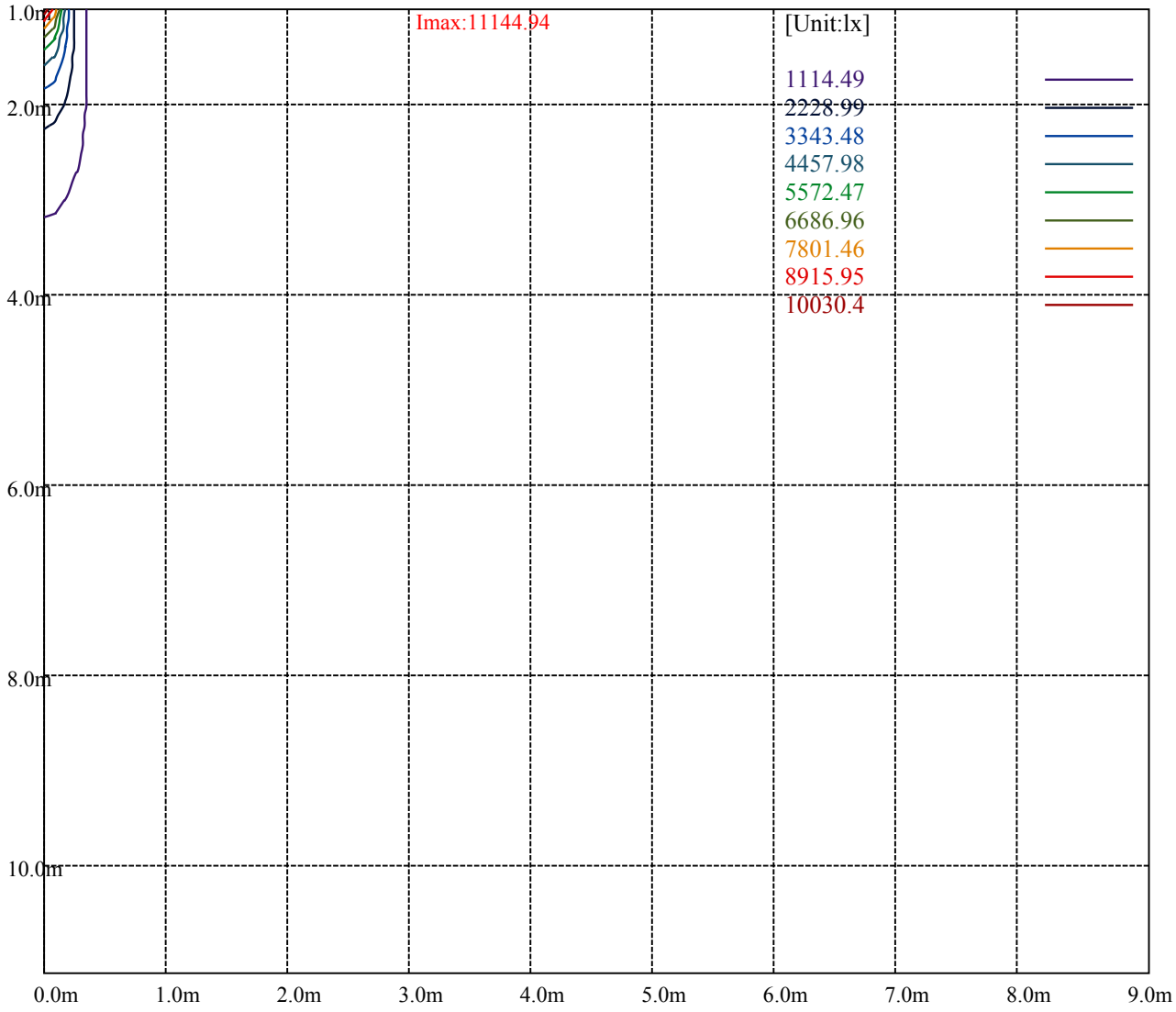
[Unit:cd]

Imax:11144.94

(10%Imax) 1114.49
(20%Imax) 2228.99
(30%Imax) 3343.48
(40%Imax) 4457.98
(50%Imax) 5572.47
(60%Imax) 6686.96
(70%Imax) 7801.46
(80%Imax) 8915.95
(90%Imax) 10030.4

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

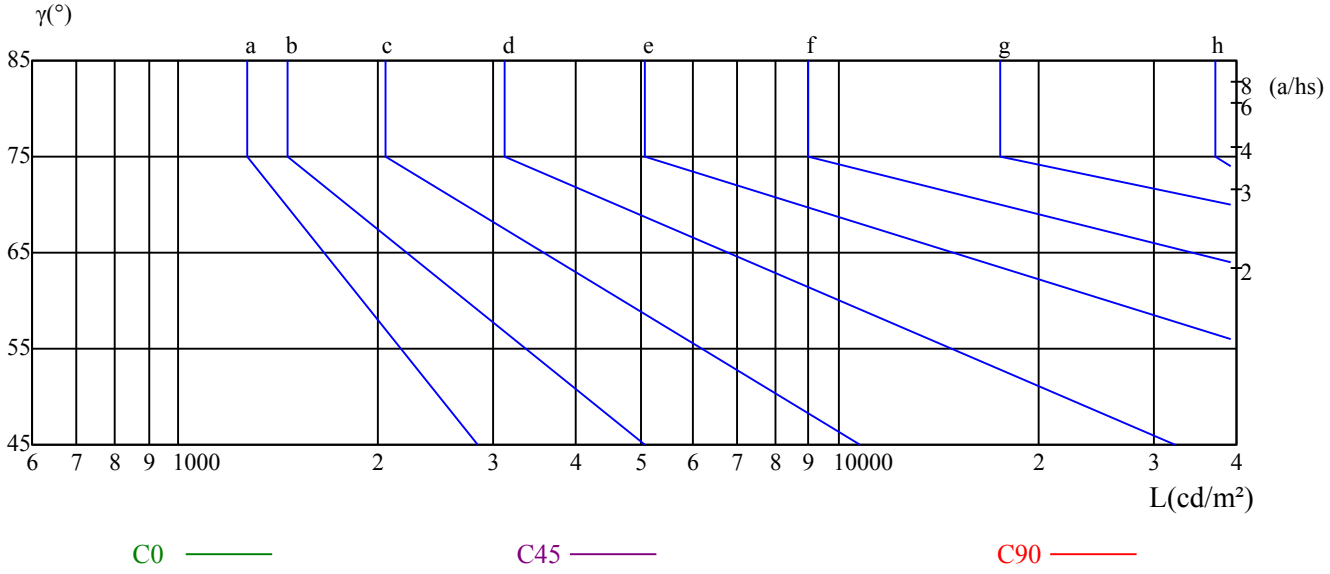
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

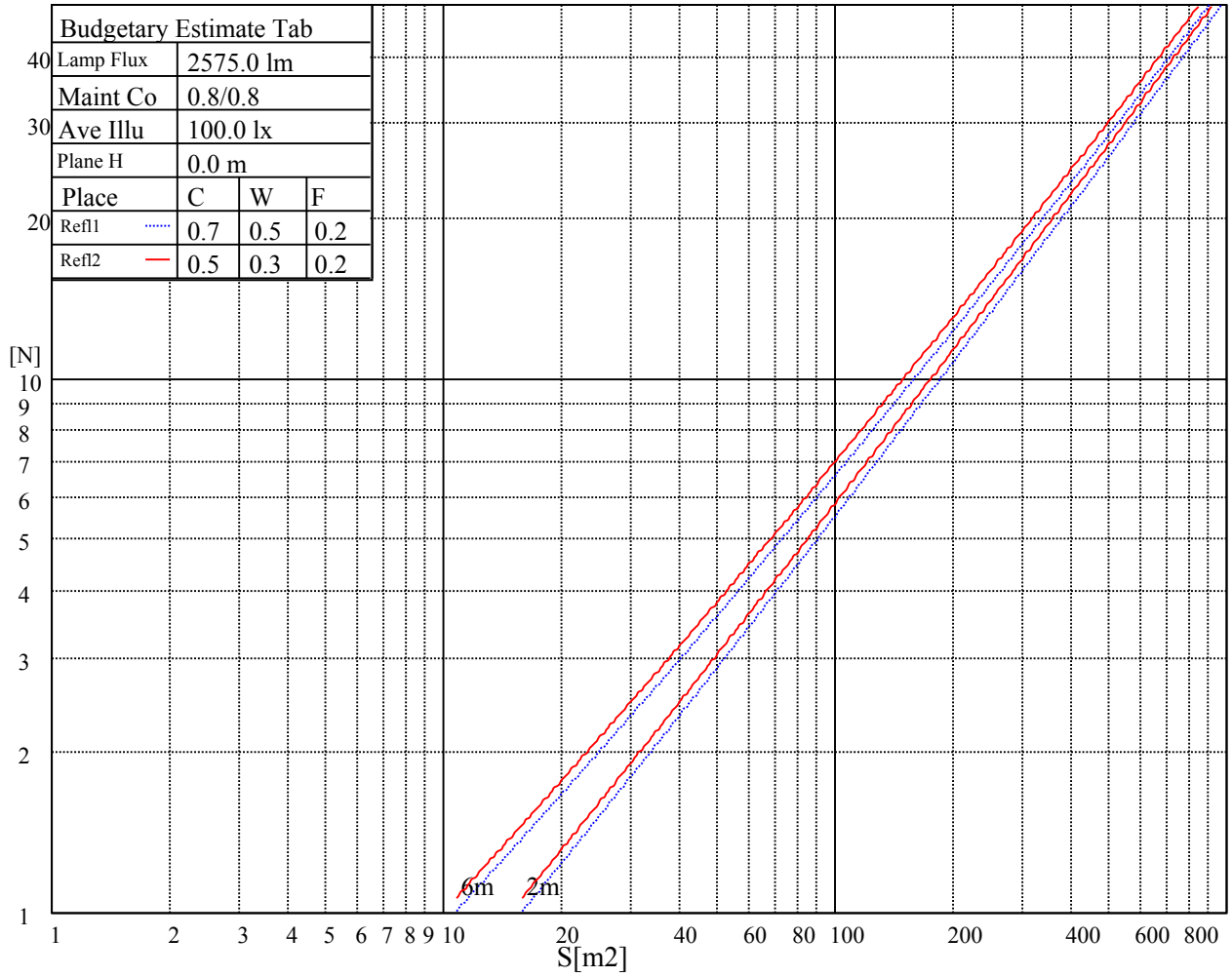
Luminance Limitting Curve



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

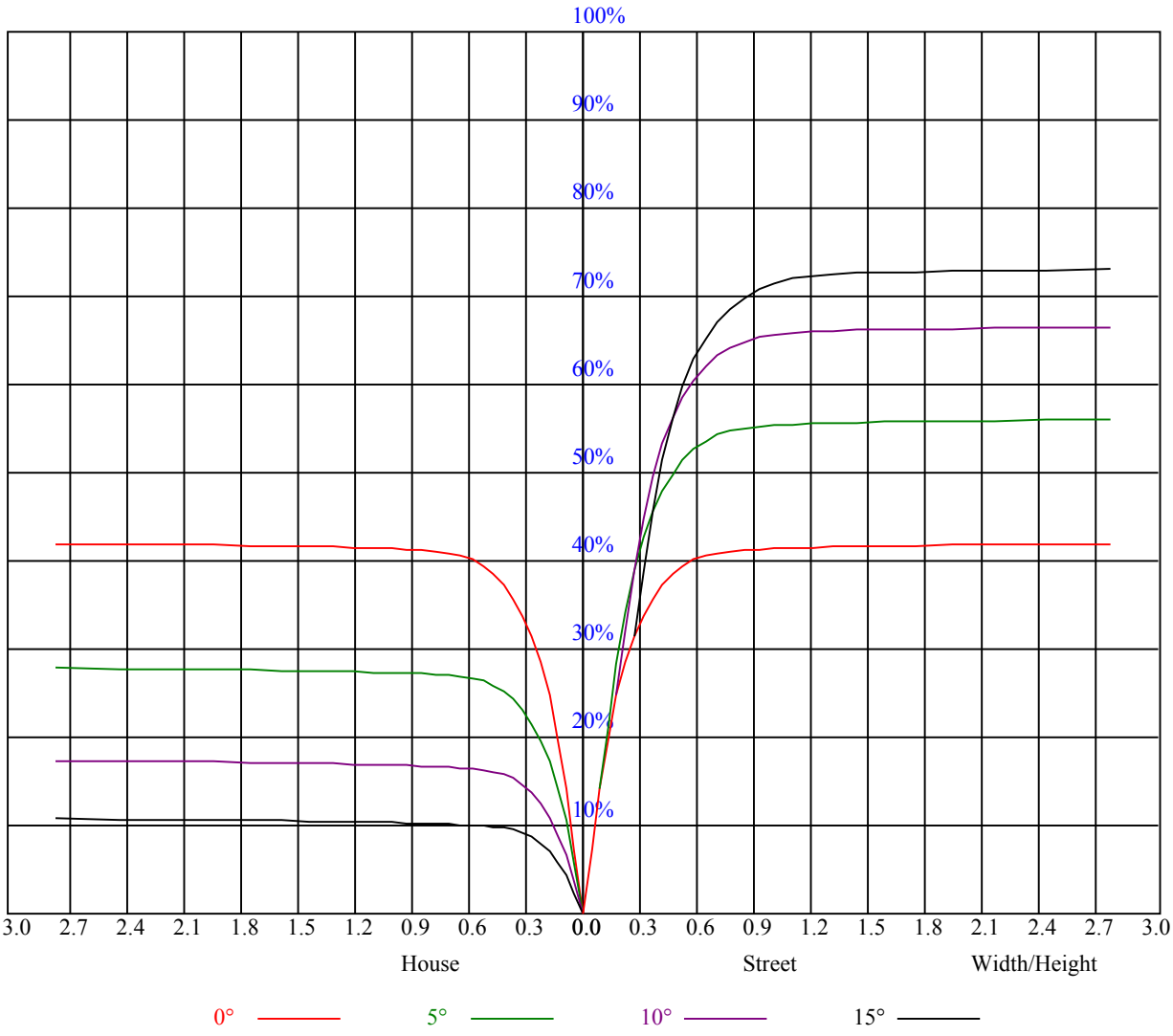


Equipment: GMS1980 Date: 2024/3/01 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

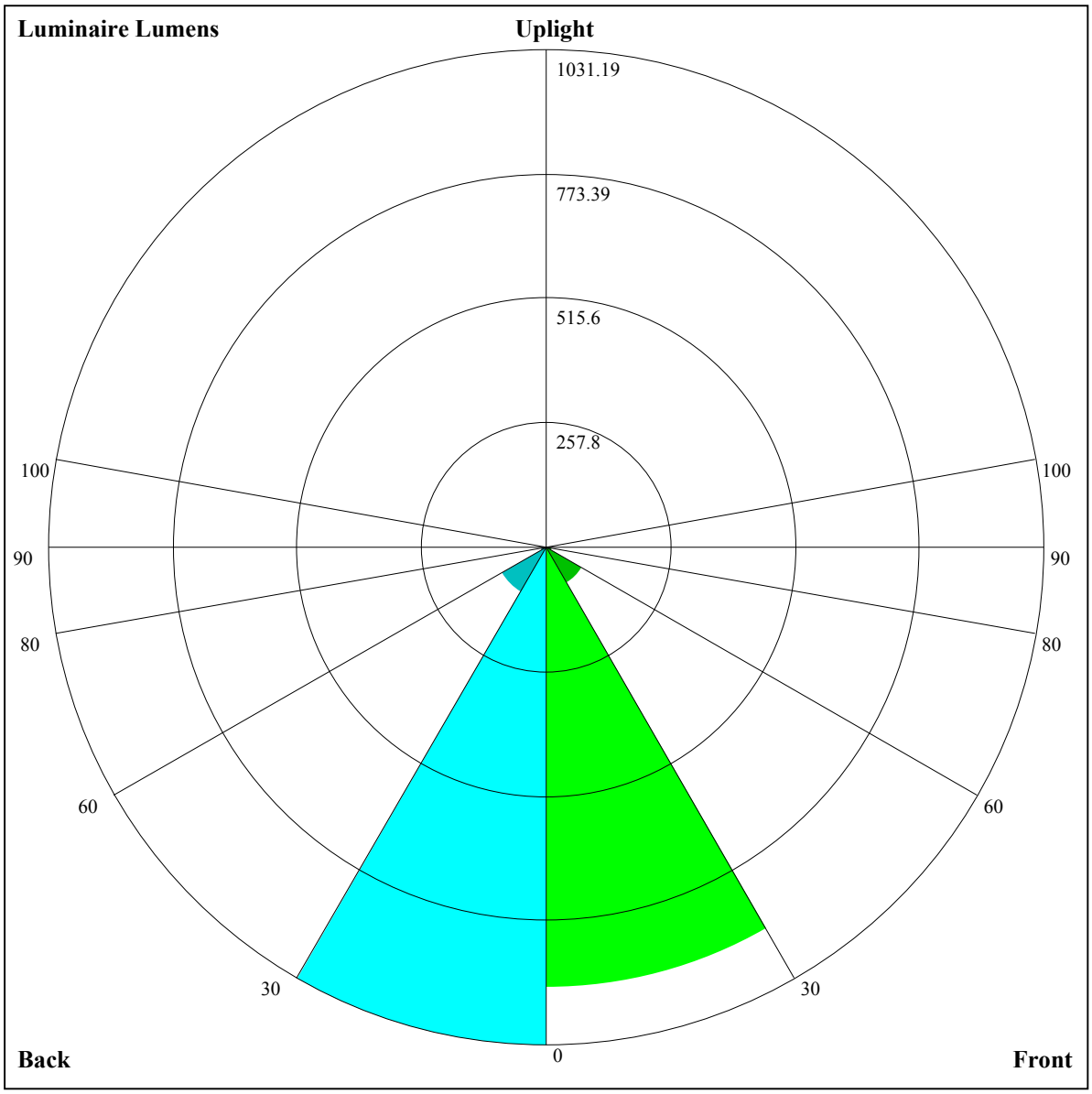
Utilization factor table for indoor luminaire

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	1.01	1.01	1.01	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.85
1	0.95	0.93	0.91	0.93	0.91	0.90	0.90	0.88	0.87	0.86	0.85	0.85	0.84	0.83	0.82	0.81
2	0.90	0.87	0.85	0.88	0.86	0.84	0.86	0.84	0.82	0.83	0.82	0.80	0.81	0.80	0.78	0.77
3	0.85	0.82	0.79	0.84	0.81	0.79	0.82	0.80	0.78	0.80	0.78	0.76	0.78	0.77	0.75	0.74
4	0.82	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.76	0.74	0.72	0.71
5	0.78	0.74	0.72	0.78	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.74	0.71	0.70	0.69
6	0.75	0.71	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.72	0.70	0.68	0.71	0.69	0.67	0.66
7	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.65	0.64
8	0.70	0.66	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.65	0.63	0.62
9	0.68	0.64	0.62	0.67	0.64	0.61	0.67	0.64	0.61	0.66	0.63	0.61	0.66	0.63	0.61	0.60
10	0.66	0.62	0.60	0.65	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58

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=913.12,FM=87,FH=14.35,FVH=5.45
BL=1031.19,BM=107.27,BH=14.49,BVH=5.53
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	10960.74	10503.68	10011.50	9400.53	8530.30	7763.65	6950.78	5934.83	5160.57
45.0	11220.58	11061.40	10754.74	10200.53	9614.13	8928.84	7971.99	7167.89	6157.21
90.0	11120.50	10824.97	10266.66	9679.09	8993.21	8254.07	7270.31	6474.40	5692.54
135.0	11277.93	11238.72	11028.04	10521.23	9973.46	9339.66	8630.37	7864.90	6873.53
180.0	10960.74	11191.90	11276.17	11205.36	10973.03	10481.44	9969.37	9352.54	8412.08
225.0	11220.58	11235.79	11053.79	10748.89	10313.48	9768.05	8946.98	8200.23	7398.47
270.0	11120.50	11252.76	11199.51	11006.97	10599.65	10120.94	9543.32	8880.85	7885.97
315.0	11277.93	11181.95	10883.49	10515.38	10021.45	9261.83	8546.10	7539.51	6697.37
360.0	10960.74	10503.68	10011.50	9400.53	8530.30	7763.65	6950.78	5934.83	5160.57

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4286.25	3702.78	3224.65	2836.06	2460.93	2227.42	2030.20	1862.24	1710.67
45.0	5388.81	4670.74	4029.92	3370.95	2954.27	2619.53	2352.08	2084.04	1910.82
90.0	4959.84	4151.06	3585.15	3129.26	2693.85	2414.70	2184.12	1948.27	1790.85
135.0	6094.01	5176.37	4503.95	3893.56	3276.15	2889.31	2572.12	2253.17	2052.44
180.0	7612.08	6819.69	5850.55	5090.35	4412.66	3680.54	3212.94	2836.06	2523.55
225.0	6384.28	5598.32	4870.89	4060.35	3534.23	3105.26	2671.03	2393.04	2170.07
270.0	7051.43	6247.92	5495.32	4565.40	3945.06	3440.60	2934.38	2607.24	2340.96
315.0	5865.77	4905.41	4235.33	3665.91	3198.90	2741.25	2449.81	2216.31	2022.60
360.0	4286.25	3702.78	3224.65	2836.06	2460.93	2227.42	2030.20	1862.24	1710.67

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1539.79	1416.30	1157.28	1157.28	1090.39	978.79	889.72	801.23	688.34
45.0	1758.07	1614.11	1451.42	1338.47	1237.22	1122.52	1032.40	920.03	829.32
90.0	1647.47	1482.43	1289.31	1165.36	1142.30	1053.46	967.49	882.11	771.62
135.0	1885.65	1735.84	1559.10	1433.86	1324.42	1225.52	1110.82	1022.45	933.49
180.0	2219.23	2030.79	1854.05	1673.22	1539.20	1414.55	1281.12	1189.82	1102.62
225.0	1981.05	1780.90	1632.84	1500.58	1383.53	1160.15	1160.15	1051.36	966.26
270.0	2082.29	1913.16	1744.03	1566.12	1440.30	1325.59	1224.93	1111.99	1025.37
315.0	1818.35	1666.78	1529.25	1379.43	1156.35	1156.35	1068.68	981.77	896.39
360.0	1539.79	1416.30	1157.28	1157.28	1090.39	978.79	889.72	801.23	688.34

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	599.97	520.85	435.82	372.79	313.62	260.78	204.59	167.32	135.71
45.0	739.20	626.83	543.15	470.58	406.79	330.13	301.45	301.45	181.83
90.0	682.43	597.69	516.17	426.69	361.38	300.98	235.55	191.37	146.54
135.0	822.30	733.35	644.98	540.81	467.07	384.55	323.10	308.47	308.47
180.0	994.94	908.91	821.71	711.69	623.91	540.22	446.59	379.87	319.01
225.0	881.64	774.31	686.00	598.10	497.85	429.50	365.30	306.48	242.28
270.0	941.10	855.07	747.98	660.19	576.51	481.70	414.40	337.15	308.47
315.0	787.54	697.94	609.63	529.63	442.20	376.12	315.32	262.18	205.82
360.0	599.97	520.85	435.82	372.79	313.62	260.78	204.59	167.32	135.71

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	109.50	82.34	65.60	52.90	41.32	35.11	30.67	26.86	24.70
45.0	139.69	112.36	89.25	66.66	53.26	43.37	35.29	31.13	28.27
90.0	118.45	95.63	77.02	58.52	47.17	39.09	33.36	28.79	26.28
135.0	174.75	133.37	107.15	86.03	68.82	51.91	42.43	35.70	30.26
180.0	304.38	239.12	164.04	133.14	107.51	86.55	65.49	52.67	41.20
225.0	199.04	162.58	131.91	100.37	80.18	63.91	48.98	40.50	34.41
270.0	308.47	177.91	144.32	115.93	92.17	69.06	55.01	44.54	36.87
315.0	167.61	135.19	101.95	80.59	60.16	48.22	39.68	32.54	28.79
360.0	109.50	82.34	65.60	52.90	41.32	35.11	30.67	26.86	24.70

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	22.82	21.01	19.90	18.90	18.14	17.44	16.97	16.62	16.39
45.0	25.52	23.70	22.24	20.89	19.61	18.84	18.14	17.67	17.15
90.0	24.35	22.65	20.95	19.84	18.79	18.02	17.50	16.97	16.62
135.0	27.51	25.46	23.29	21.89	20.54	19.25	18.38	17.79	17.15
180.0	35.05	30.96	27.45	25.28	23.58	21.71	20.48	19.37	18.61
225.0	29.44	26.74	24.58	22.36	21.01	19.84	18.90	17.91	17.38
270.0	30.72	27.51	25.11	23.17	21.30	20.13	18.84	18.08	17.44
315.0	26.04	23.94	22.18	20.42	19.25	18.38	17.44	16.91	16.50
360.0	22.82	21.01	19.90	18.90	18.14	17.44	16.97	16.62	16.39

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	16.21	16.15	16.27	16.44	16.62	16.85	16.97	16.85	16.68
45.0	16.85	16.68	16.56	16.62	16.80	17.03	17.26	17.44	17.38
90.0	16.50	16.39	16.39	16.56	16.68	17.03	17.21	17.32	17.21
135.0	16.74	16.44	16.21	16.09	16.21	16.33	16.62	16.80	16.97
180.0	17.73	17.15	16.74	16.44	16.27	16.27	16.39	16.56	16.80
225.0	16.91	16.68	16.39	16.33	16.33	16.56	16.80	17.09	17.21
270.0	16.97	16.62	16.44	16.33	16.27	16.33	16.44	16.62	16.85
315.0	16.15	15.86	15.86	15.86	16.04	16.21	16.44	16.62	16.68
360.0	16.21	16.15	16.27	16.44	16.62	16.85	16.97	16.85	16.68

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.15	15.57	14.92	14.28	13.64	13.28	13.28	13.11	12.99
45.0	17.32	16.85	16.33	15.57	14.81	14.40	14.16	14.16	14.40
90.0	16.80	16.33	15.63	14.81	14.34	14.28	14.51	14.75	14.51
135.0	16.91	16.62	16.21	15.45	14.81	14.10	13.58	13.05	12.70
180.0	17.03	17.09	17.03	16.62	16.21	15.39	14.69	14.10	13.52
225.0	17.21	17.03	16.56	16.04	15.27	14.46	13.87	13.40	13.05
270.0	16.91	16.91	16.62	16.21	15.39	14.75	14.10	13.58	12.99
315.0	16.62	16.39	15.86	15.22	14.57	13.81	13.28	12.82	12.47
360.0	16.15	15.57	14.92	14.28	13.64	13.28	13.28	13.11	12.99

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.87	12.70	12.64	12.41	12.17	11.82	11.65	11.29	10.89
45.0	14.34	14.28	14.22	13.87	13.81	13.28	12.82	12.17	11.53
90.0	14.40	13.99	13.64	13.28	12.99	12.47	12.06	11.70	11.18
135.0	12.41	12.23	12.00	11.76	11.65	11.41	11.24	11.06	10.83
180.0	13.69	13.75	13.52	13.46	13.05	12.87	12.47	12.23	11.88
225.0	12.70	12.52	12.35	12.29	12.11	12.00	11.76	11.59	11.29
270.0	12.70	12.41	12.17	12.00	11.82	11.65	11.47	11.29	11.06
315.0	12.23	12.00	11.82	11.65	11.47	11.29	11.06	10.94	10.77
360.0	12.87	12.70	12.64	12.41	12.17	11.82	11.65	11.29	10.89

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.42	10.24	10.07	9.95	9.77	9.60	9.54	9.42	9.42
45.0	11.00	10.53	10.24	10.07	9.95	9.66	9.54	9.48	9.36
90.0	10.65	10.24	10.12	10.01	9.71	9.60	9.54	9.36	9.42
135.0	10.65	10.48	10.30	10.18	10.07	9.71	9.60	9.48	9.42
180.0	11.65	11.29	10.89	10.59	10.24	10.12	10.01	9.77	9.66
225.0	10.94	10.65	10.48	10.24	10.07	9.95	9.77	9.66	9.54
270.0	10.77	10.65	10.36	10.30	10.12	10.01	9.77	9.66	9.54
315.0	10.53	10.36	10.24	10.07	9.95	9.83	9.66	9.48	9.42
360.0	10.42	10.24	10.07	9.95	9.77	9.60	9.54	9.42	9.42

Intensity data(cd)

C/γ(°)	90.0
0.0	9.42
45.0	9.42
90.0	9.36
135.0	9.36
180.0	9.54
225.0	9.36
270.0	9.42
315.0	9.36
360.0	9.42