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NT

Client:
LumCAT: 2-2679-L
Luminaire: 92.70.412.00
Report No: 2024301-B006
Ballast type: AC

Test No: 2024301-C006	Voltage(V): 34.300
LampCAT: LUMINUS CXM-14-AC40	Current(A): 0.530
Lamp flux(lm): 2575.0	Power (W): 18.163
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2179.08, Efficiency(%): 84.62% , Luminous Efficacy(lm/W): 119.97
Central intensity(cd): 7157.068, Maximum intensity(cd): 7157.068
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=24.2
[C90/270]Total=24.2
Field angle(10%Imax): [C0/180]Total=60.8
[C90/270]Total=60.8
Maximum s/h(1/2): C0_180=0.40 C90_270=0.40
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(%): 84.62%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.873%

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

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7157.068	0.000	0	0.00%	0.00%
1.0	7087.938	6.816	6.816	0.26%	0.31%
2.0	6905.348	20.084	26.9	0.78%	1.23%
3.0	6642.362	32.402	59.302	1.26%	2.72%
4.0	6314.271	43.370	102.672	1.68%	4.71%
5.0	5968.841	52.841	155.513	2.05%	7.14%
6.0	5615.292	60.878	216.391	2.36%	9.93%
7.0	5253.477	67.462	283.853	2.62%	13.03%
8.0	4891.515	72.606	356.459	2.82%	16.36%
9.0	4552.816	76.541	433	2.97%	19.87%
10.0	4235.332	79.530	512.53	3.09%	23.52%
11.0	3904.168	81.330	593.86	3.16%	27.25%
12.0	3599.119	82.022	675.882	3.19%	31.02%
13.0	3315.066	82.054	757.936	3.19%	34.78%
14.0	3047.471	81.440	839.376	3.16%	38.52%
15.0	2789.168	80.128	919.504	3.11%	42.20%
16.0	2562.320	78.414	997.918	3.05%	45.80%
17.0	2357.857	76.620	1074.538	2.98%	49.31%
18.0	2167.951	74.621	1149.159	2.90%	52.74%
19.0	2002.845	72.563	1221.722	2.82%	56.07%
20.0	1840.152	70.338	1292.06	2.73%	59.29%
21.0	1705.550	68.085	1360.145	2.64%	62.42%
22.0	1582.507	66.075	1426.22	2.57%	65.45%
23.0	1452.755	63.688	1489.908	2.47%	68.37%
24.0	1326.764	60.770	1550.678	2.36%	71.16%
25.0	1238.417	58.327	1609.004	2.27%	73.84%
26.0	1164.056	56.711	1665.715	2.20%	76.44%
27.0	1067.055	54.585	1720.3	2.12%	78.95%
28.0	961.378	51.356	1771.655	1.99%	81.30%
29.0	860.903	47.676	1819.331	1.85%	83.49%
30.0	757.435	43.695	1863.026	1.70%	85.50%
31.0	653.660	39.269	1902.295	1.52%	87.30%
32.0	551.633	34.530	1936.825	1.34%	88.88%
33.0	461.062	29.834	1966.659	1.16%	90.25%
34.0	378.984	25.422	1992.082	0.99%	91.42%
35.0	305.561	21.259	2013.341	0.83%	92.39%
36.0	256.343	17.891	2031.232	0.69%	93.22%
37.0	192.949	14.653	2045.886	0.57%	93.89%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	139.708	11.104	2056.989	0.43%	94.40%
39.0	97.103	8.083	2065.072	0.31%	94.77%
40.0	78.054	6.109	2071.181	0.24%	95.05%
41.0	66.123	5.134	2076.315	0.20%	95.28%
42.0	59.378	4.560	2080.875	0.18%	95.49%
43.0	54.104	4.204	2085.079	0.16%	95.69%
44.0	49.503	3.910	2088.989	0.15%	95.87%
45.0	45.633	3.656	2092.645	0.14%	96.03%
46.0	42.553	3.449	2096.094	0.13%	96.19%
47.0	39.488	3.263	2099.357	0.13%	96.34%
48.0	36.913	3.089	2102.446	0.12%	96.48%
49.0	34.470	2.931	2105.377	0.11%	96.62%
50.0	32.524	2.793	2108.17	0.11%	96.75%
51.0	30.805	2.679	2110.85	0.10%	96.87%
52.0	29.283	2.578	2113.428	0.10%	96.99%
53.0	28.010	2.492	2115.92	0.10%	97.10%
54.0	27.008	2.425	2118.345	0.09%	97.21%
55.0	26.291	2.379	2120.724	0.09%	97.32%
56.0	25.889	2.358	2123.082	0.09%	97.43%
57.0	25.779	2.362	2125.445	0.09%	97.54%
58.0	25.867	2.388	2127.833	0.09%	97.65%
59.0	26.072	2.428	2130.261	0.09%	97.76%
60.0	26.189	2.469	2132.73	0.10%	97.87%
61.0	26.050	2.493	2135.223	0.10%	97.99%
62.0	25.560	2.487	2137.71	0.10%	98.10%
63.0	24.587	2.439	2140.149	0.09%	98.21%
64.0	23.175	2.344	2142.492	0.09%	98.32%
65.0	21.448	2.208	2144.701	0.09%	98.42%
66.0	19.700	2.053	2146.754	0.08%	98.52%
67.0	18.149	1.903	2148.657	0.07%	98.60%
68.0	16.891	1.775	2150.432	0.07%	98.69%
69.0	15.984	1.677	2152.109	0.07%	98.76%
70.0	15.318	1.608	2153.717	0.06%	98.84%
71.0	14.879	1.561	2155.278	0.06%	98.91%
72.0	14.448	1.525	2156.802	0.06%	98.98%
73.0	14.023	1.489	2158.291	0.06%	99.05%
74.0	13.702	1.458	2159.749	0.06%	99.11%
75.0	13.372	1.430	2161.179	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.007	1.400	2162.58	0.05%	99.24%
77.0	12.692	1.370	2163.95	0.05%	99.31%
78.0	12.363	1.341	2165.291	0.05%	99.37%
79.0	12.026	1.310	2166.601	0.05%	99.43%
80.0	11.683	1.278	2167.88	0.05%	99.49%
81.0	11.309	1.243	2169.123	0.05%	99.54%
82.0	10.973	1.208	2170.331	0.05%	99.60%
83.0	10.651	1.176	2171.507	0.05%	99.65%
84.0	10.410	1.147	2172.654	0.04%	99.71%
85.0	10.154	1.122	2173.777	0.04%	99.76%
86.0	9.934	1.098	2174.875	0.04%	99.81%
87.0	9.700	1.075	2175.949	0.04%	99.86%
88.0	9.546	1.054	2177.003	0.04%	99.90%
89.0	9.437	1.041	2178.044	0.04%	99.95%
90.0	9.400	1.033	2179.077	0.04%	100.00%

Zonal flux distribution table

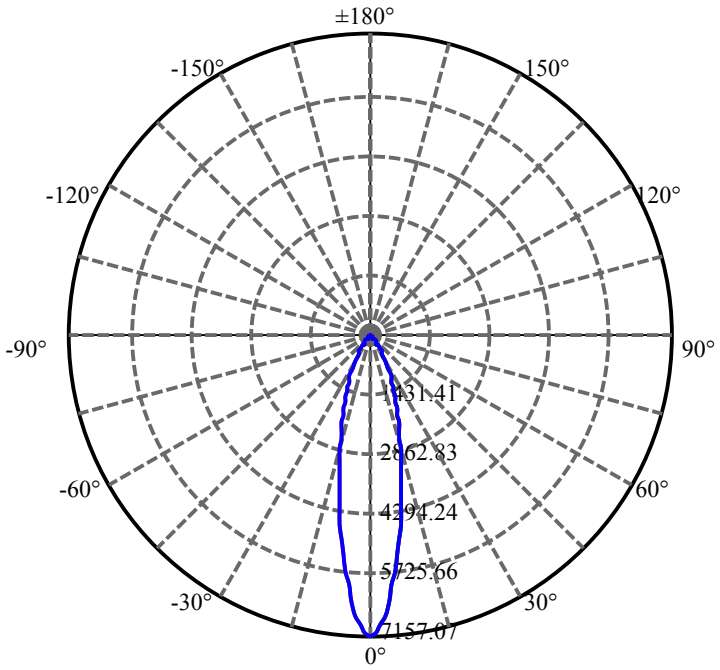
ZONAL LUMEN SUMMARY

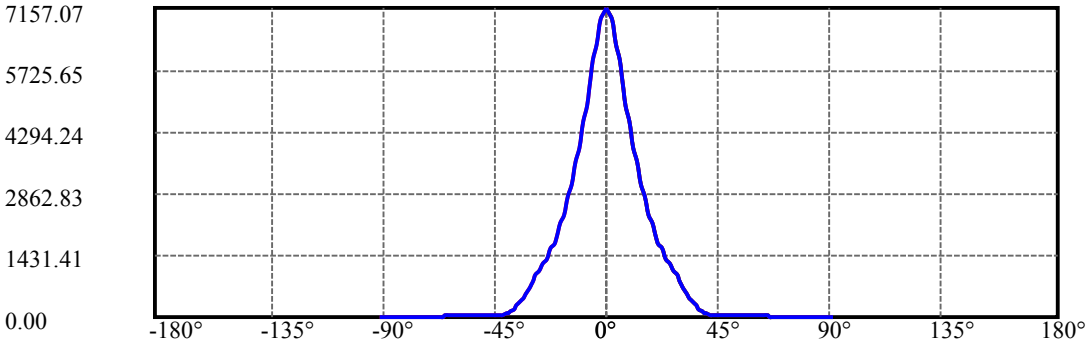
Zone	Lumens	%Lamp	%Fixt
0-30	1863.03	72.35%	85.50%
0-40	2071.18	80.43%	95.05%
0-60	2132.73	82.82%	97.87%
0-90	2178.04	84.58%	99.95%
0-120	2178.04	84.58%	99.95%
0-180	2179.08	84.62%	100.00%
60-90	45.31	1.76%	2.08%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.45	1743.26	67.70%	80.00%

ZONAL LUMEN SUMMARY

0-10	512.53
10-20	779.53
20-30	570.97
30-40	208.16
40-50	36.99
50-60	24.56
60-70	20.99
70-80	14.16
80-90	10.16
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):

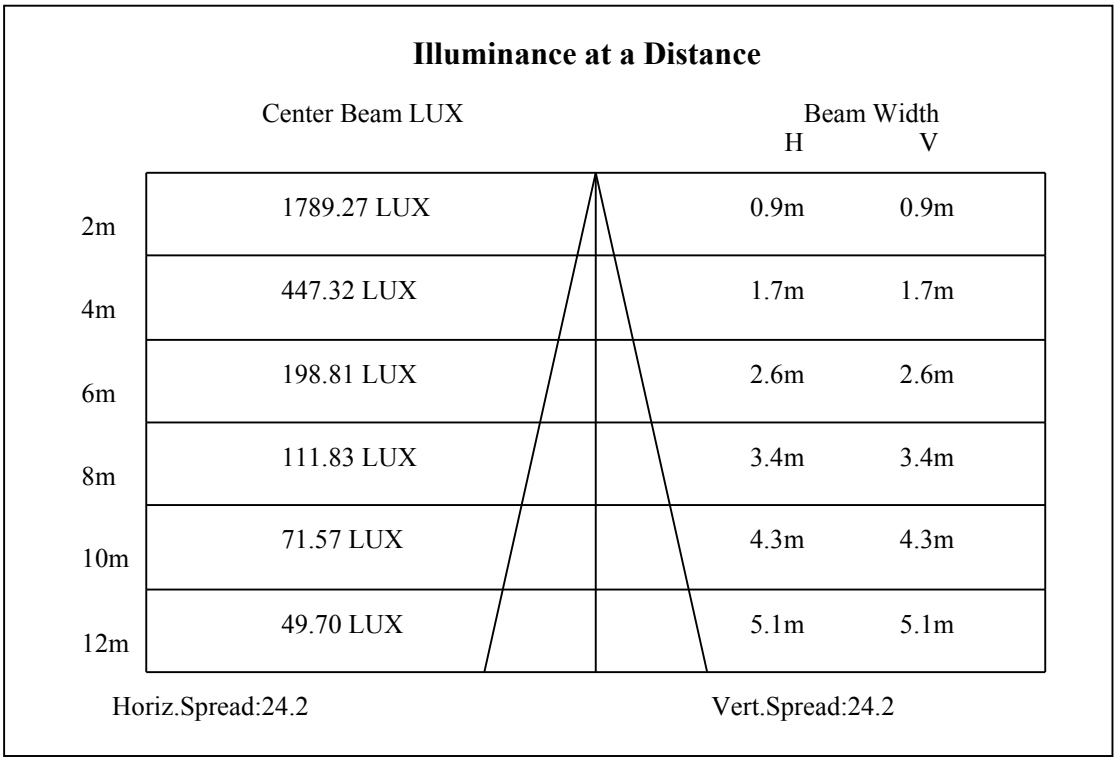
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:30.4 Right:30.4
:C90/270Left:30.4 Right:30.4

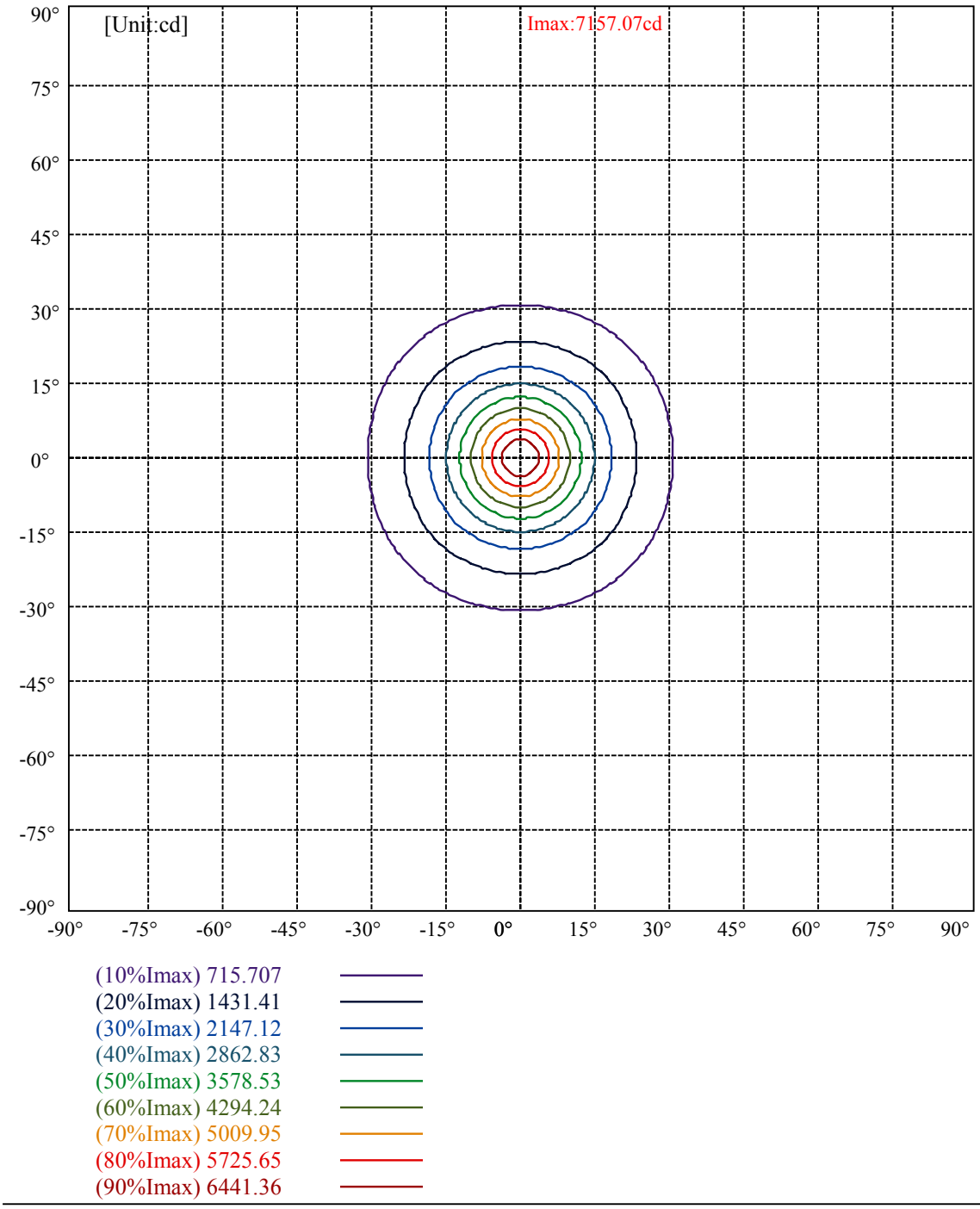
Beam Angle(50%Imax):C0/180Left:12.1 Right:12.1
:C90/270Left:12.1 Right:12.1

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)

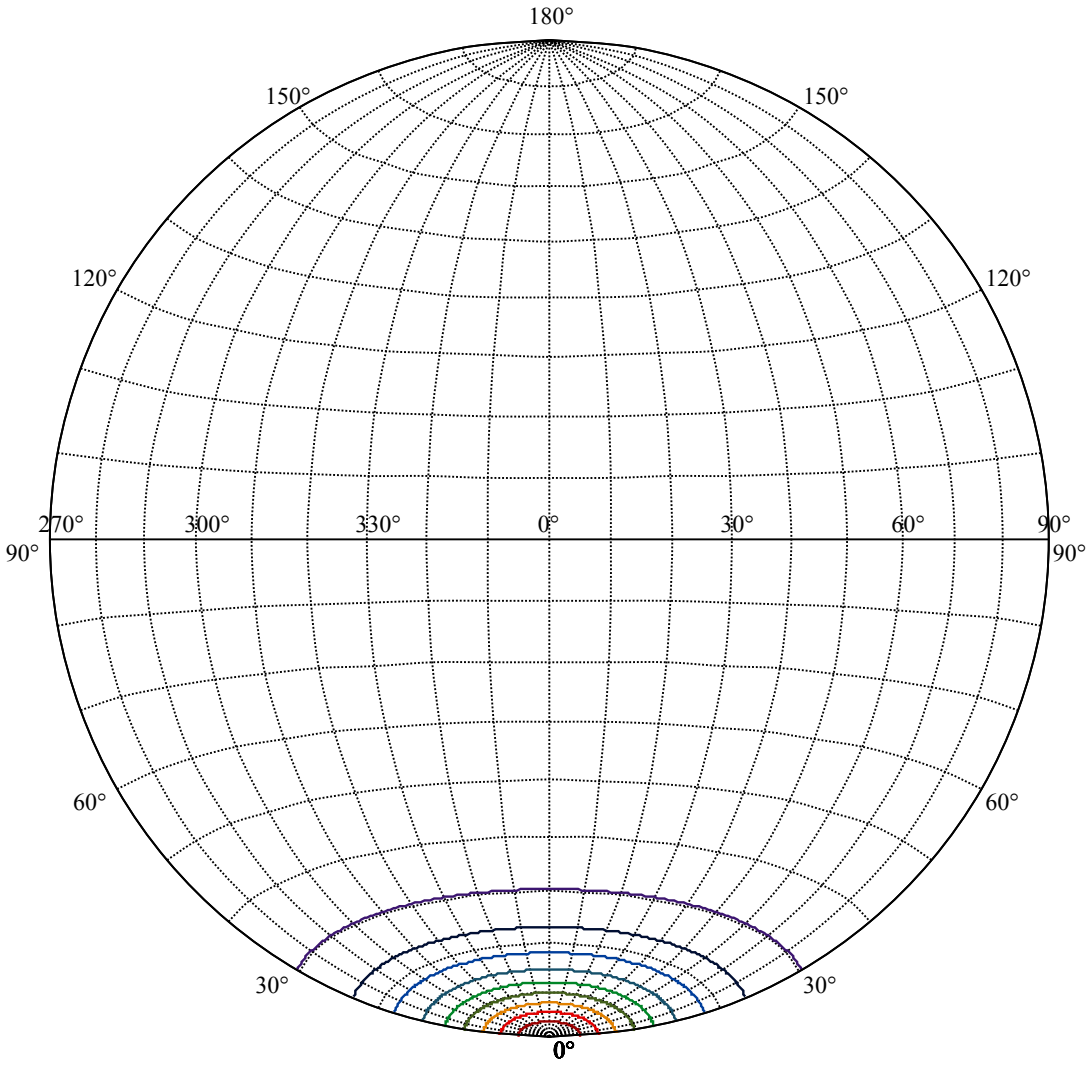


Equipment: GMS1980
Temperature(°C): 25.0

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

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



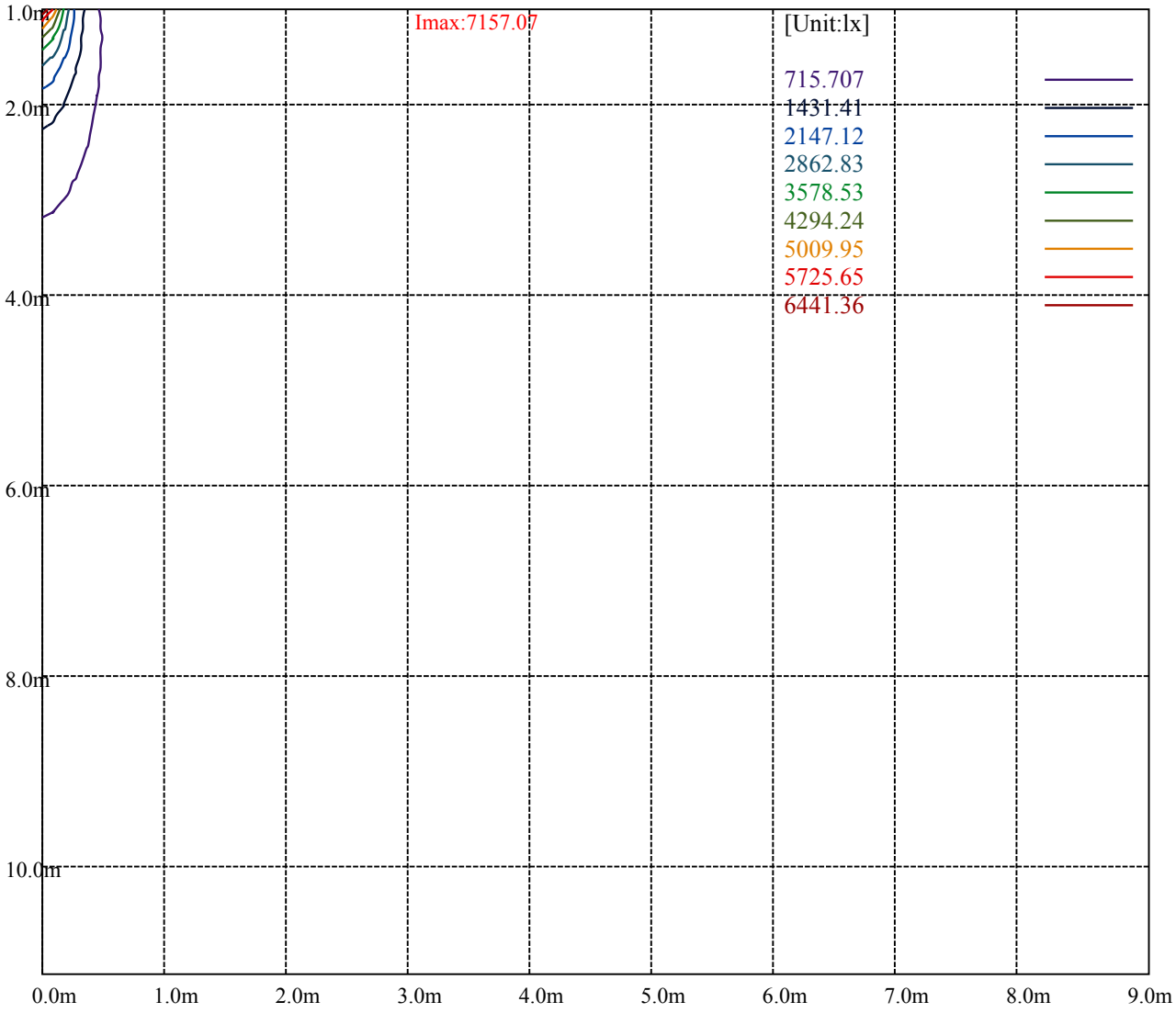
[Unit:cd]

Imax:7157.07

(10%Imax) 715.707
(20%Imax) 1431.41
(30%Imax) 2147.12
(40%Imax) 2862.83
(50%Imax) 3578.53
(60%Imax) 4294.24
(70%Imax) 5009.95
(80%Imax) 5725.65
(90%Imax) 6441.36

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

NT 2-2679-L

Luminance Limitting Curve(no luminous side)

Luminance Table

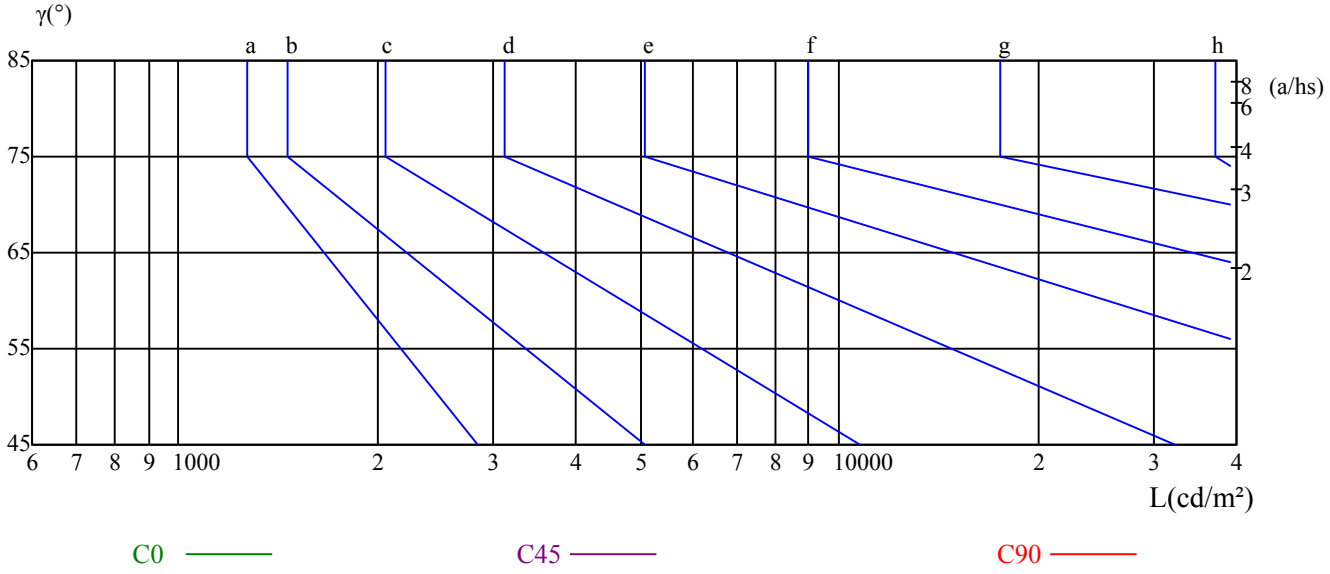
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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: GMS1980
Temperature(°C): 25.0

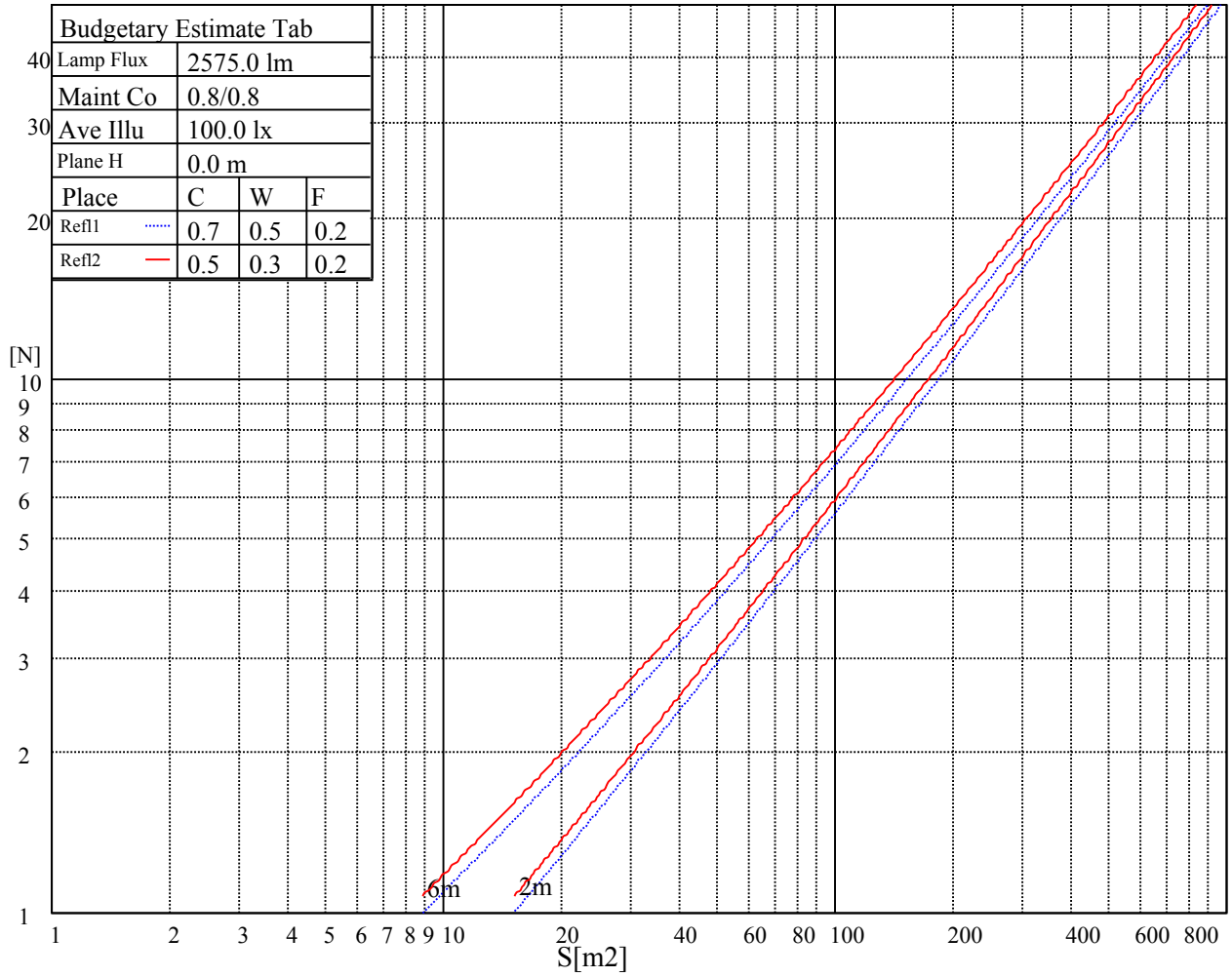
Date: 2024/3/01
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

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

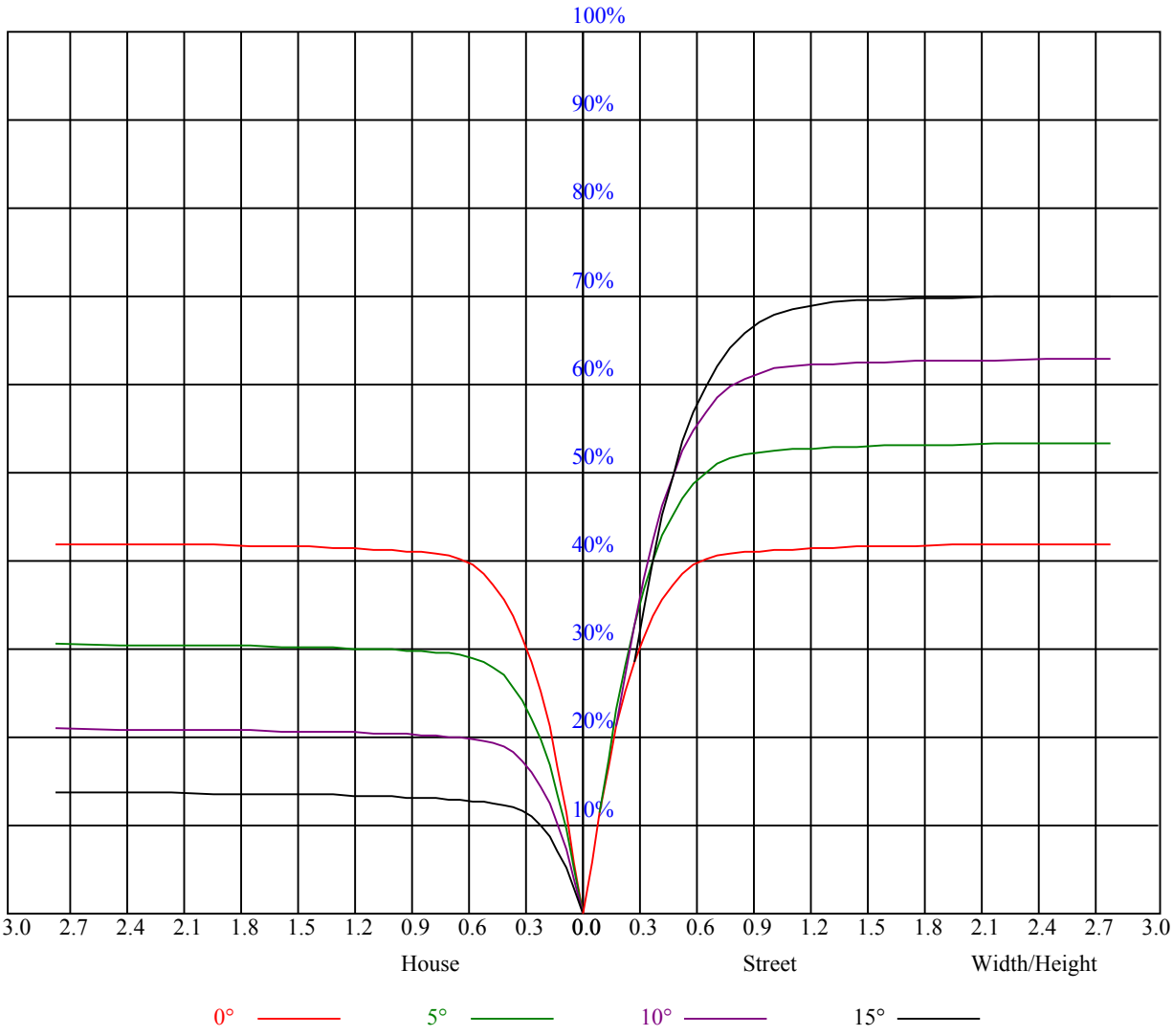


Equipment: GMS1980 Date: 2024/3/01 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

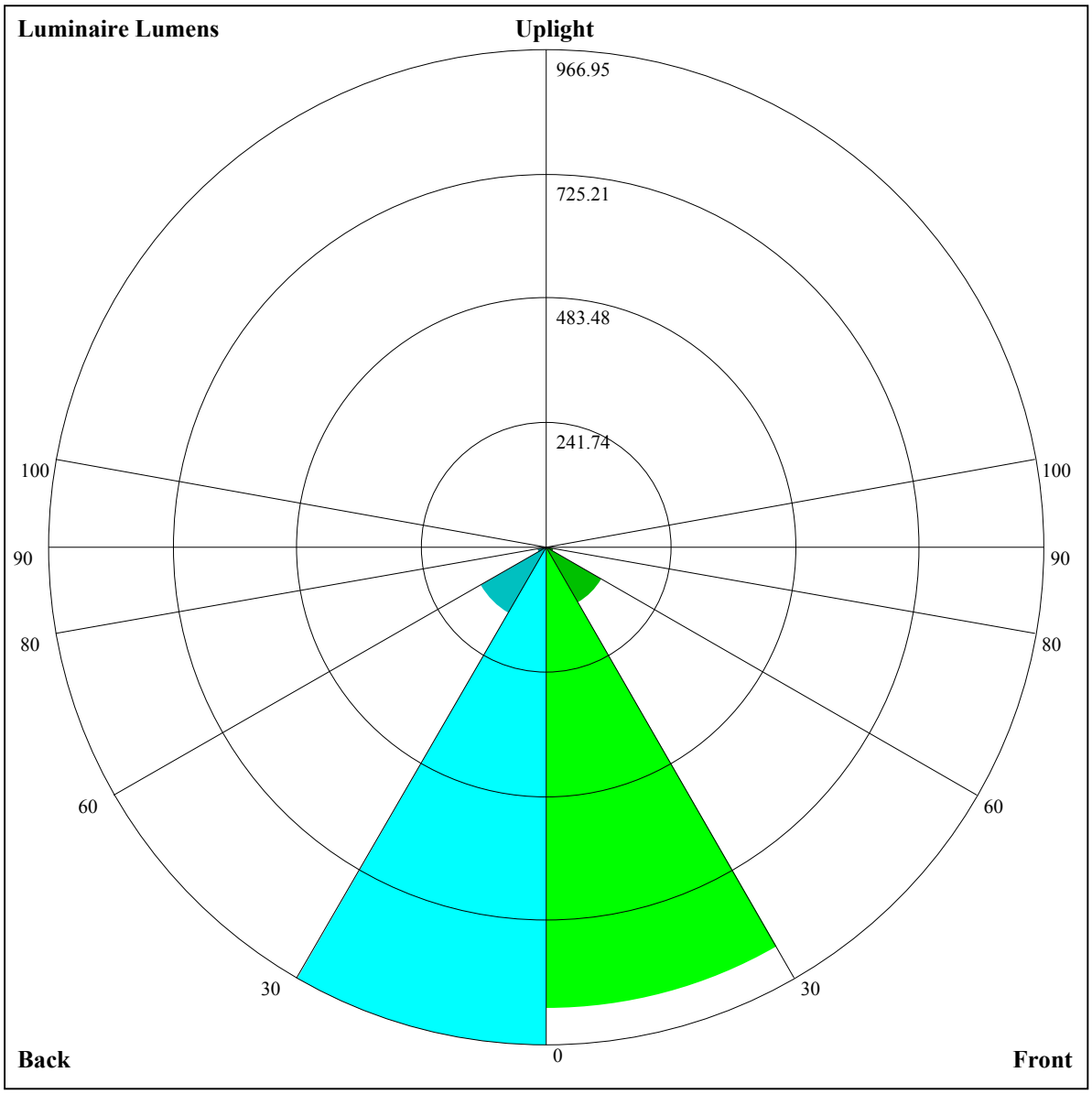
Utilization factor table for indoor luminaire

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	0.94	0.92	0.91	0.92	0.91	0.89	0.89	0.88	0.86	0.86	0.85	0.84	0.83	0.82	0.81	0.80
2	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.82	0.80	0.82	0.80	0.79	0.80	0.78	0.77	0.76
3	0.84	0.80	0.77	0.83	0.79	0.77	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.72
4	0.80	0.75	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.75	0.73	0.70	0.74	0.71	0.70	0.68
5	0.76	0.71	0.68	0.75	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.65
6	0.72	0.68	0.65	0.72	0.68	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.66	0.63	0.62
7	0.69	0.65	0.62	0.69	0.64	0.62	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60
8	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.57
9	0.64	0.59	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.55
10	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53

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=895.28,FM=123.16,FH=17.05,FVH=5.54
BL=966.95,BM=148.55,BH=18.07,BVH=5.68
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	7030.37	6707.32	6400.08	6072.35	5643.38	5313.90	4984.42	4587.05	4275.71
45.0	7218.81	7104.10	6811.49	6515.37	6182.96	5843.53	5507.61	5097.95	4779.01
90.0	7123.42	6905.13	6559.85	6242.07	5905.56	5488.88	5161.74	4835.19	4516.83
135.0	7255.68	7191.30	7006.96	6669.28	6356.19	6024.95	5691.37	5279.37	4955.74
180.0	7030.37	7190.72	7230.51	7144.49	6884.65	6602.57	6286.55	5957.65	5525.75
225.0	7218.81	7210.03	7083.62	6788.08	6489.03	6156.04	5732.92	5391.74	4973.30
270.0	7123.42	7236.95	7192.47	7024.51	6769.94	6380.18	6043.68	5706.00	5267.08
315.0	7255.68	7157.95	6957.80	6682.74	6282.45	5940.68	5514.05	5172.86	4838.70
360.0	7030.37	6707.32	6400.08	6072.35	5643.38	5313.90	4984.42	4587.05	4275.71

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3976.08	3615.58	3345.79	3087.12	2795.68	2581.49	2384.27	2203.43	2005.04
45.0	4389.83	4087.27	3797.58	3452.30	3190.71	2946.67	2668.10	2462.10	2278.34
90.0	4134.09	3839.13	3556.47	3289.61	2982.95	2759.39	2498.38	2312.28	2145.49
135.0	4636.21	4324.87	3952.08	3661.81	3387.93	3065.47	2831.96	2565.10	2375.49
180.0	5187.49	4861.52	4471.18	4152.23	3846.74	3492.68	3234.01	2982.95	2700.87
225.0	4647.92	4334.82	3956.76	3667.66	3393.19	3136.86	2838.40	2620.70	2421.72
270.0	4932.33	4613.97	4317.85	3931.01	3637.82	3361.59	3111.11	2817.33	2594.36
315.0	4518.58	4205.49	3835.62	3551.20	3285.51	3035.62	2747.10	2534.67	2341.54
360.0	3976.08	3615.58	3345.79	3087.12	2795.68	2581.49	2384.27	2203.43	2005.04

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1862.24	1729.98	1580.75	1474.24	1375.92	1152.54	1152.54	1084.01	985.99
45.0	2112.14	1924.28	1789.09	1666.19	1554.42	1426.25	1333.79	1247.17	1130.71
90.0	1958.22	1821.28	1698.38	1582.51	1454.93	1360.71	1165.42	1165.42	1067.04
135.0	2207.53	2053.61	1876.88	1749.88	1633.42	1525.74	1401.67	1310.38	1224.35
180.0	2490.19	2316.96	2098.09	1945.93	1811.92	1687.26	1543.88	1442.64	1351.34
225.0	2242.64	2036.64	1887.41	1753.39	1604.16	1497.06	1401.09	1161.38	1161.38
270.0	2347.98	2177.10	2007.97	1818.35	1689.02	1567.88	1458.44	1339.05	1256.54
315.0	2122.67	1962.90	1782.65	1653.90	1536.27	1404.60	1157.28	1157.28	1135.10
360.0	1862.24	1729.98	1580.75	1474.24	1375.92	1152.54	1152.54	1084.01	985.99

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	857.88	760.44	664.35	572.94	465.84	386.42	313.91	232.10	176.09
45.0	1032.40	906.57	806.50	712.28	618.06	508.62	425.52	351.19	299.11
90.0	969.31	870.64	772.20	652.88	561.35	475.79	374.78	302.27	223.44
135.0	1109.06	1005.48	905.99	781.33	683.60	568.90	482.28	402.11	327.20
180.0	1266.49	1162.90	1069.26	971.53	844.54	743.29	623.91	535.54	451.85
225.0	1113.10	993.07	895.86	794.33	698.35	582.53	492.99	413.17	337.09
270.0	1171.09	1076.87	955.15	855.07	756.75	635.03	546.07	461.22	362.90
315.0	1017.12	915.06	817.91	719.12	600.79	512.48	429.03	334.28	266.80
360.0	857.88	760.44	664.35	572.94	465.84	386.42	313.91	232.10	176.09

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	130.33	91.18	75.90	66.72	60.22	55.01	50.62	45.88	42.49
45.0	299.11	149.41	108.09	81.99	69.52	62.68	55.89	51.32	47.70
90.0	168.37	123.13	90.48	74.09	67.13	60.69	55.77	50.62	47.05
135.0	310.23	229.76	133.84	98.79	80.12	70.29	63.79	58.29	53.84
180.0	373.43	302.03	302.03	163.34	120.32	84.33	73.04	66.19	58.70
225.0	253.11	194.47	145.66	96.85	75.73	67.42	59.40	54.31	49.22
270.0	309.06	309.06	157.37	115.29	84.27	68.00	61.51	55.83	51.21
315.0	207.11	144.55	104.29	79.77	67.13	60.57	55.01	50.39	45.82
360.0	130.33	91.18	75.90	66.72	60.22	55.01	50.62	45.88	42.49

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	39.50	36.75	33.88	31.84	29.96	28.56	26.98	26.04	25.11
45.0	43.72	40.79	38.27	35.29	33.24	31.43	29.85	28.21	27.21
90.0	43.83	41.08	37.92	35.70	33.24	31.54	30.08	28.62	27.68
135.0	49.04	45.59	41.84	39.21	36.69	34.00	32.19	30.67	28.97
180.0	53.96	50.15	46.00	43.01	39.80	37.45	35.46	33.53	31.89
225.0	45.82	42.84	40.20	37.81	35.17	33.30	31.60	30.08	28.50
270.0	46.58	43.42	40.56	38.04	35.23	33.30	31.49	29.61	28.32
315.0	42.60	39.80	37.22	34.41	32.42	30.61	28.79	27.51	26.39
360.0	39.50	36.75	33.88	31.84	29.96	28.56	26.98	26.04	25.11

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	24.64	24.46	24.70	25.05	25.40	25.57	25.28	24.46	23.17
45.0	26.39	25.87	25.40	25.46	25.69	26.10	26.39	26.10	25.46
90.0	26.98	26.39	26.34	26.45	26.63	26.86	26.57	26.04	24.99
135.0	28.03	27.21	26.74	26.51	26.63	26.69	26.86	26.63	26.04
180.0	30.08	28.91	27.92	27.27	26.80	26.63	26.80	27.04	27.39
225.0	27.51	26.45	25.98	25.69	25.75	26.04	26.34	26.51	26.16
270.0	26.98	26.16	25.52	25.16	25.11	25.40	25.63	25.93	26.04
315.0	25.46	24.87	24.52	24.64	24.93	25.28	25.63	25.69	25.22
360.0	24.64	24.46	24.70	25.05	25.40	25.57	25.28	24.46	23.17

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.59	19.49	17.85	16.62	15.39	14.86	14.40	13.99	13.64
45.0	24.35	22.82	20.66	18.96	17.50	16.33	15.63	14.98	14.57
90.0	23.17	21.59	19.37	17.91	16.80	15.74	15.10	14.69	14.34
135.0	24.99	23.41	21.77	19.61	18.14	16.85	15.98	15.16	14.75
180.0	27.10	26.45	25.28	23.41	21.54	19.84	18.32	16.91	16.09
225.0	25.52	24.29	22.41	20.60	18.96	17.67	16.56	16.44	16.39
270.0	25.69	24.93	23.53	21.54	19.72	17.79	16.62	15.80	15.16
315.0	24.29	22.41	20.72	18.96	17.15	16.04	15.27	14.57	14.10
360.0	21.59	19.49	17.85	16.62	15.39	14.86	14.40	13.99	13.64

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.34	13.11	12.93	12.64	12.35	11.88	11.65	11.29	11.00
45.0	14.22	13.81	13.58	13.28	12.93	12.64	12.23	11.88	11.53
90.0	13.93	13.58	13.34	13.05	12.70	12.35	12.06	11.65	11.29
135.0	14.34	13.99	13.64	13.28	12.99	12.64	12.29	12.00	11.53
180.0	15.57	15.10	14.69	14.28	13.87	13.52	13.17	12.82	12.52
225.0	15.57	14.81	14.05	13.69	13.28	13.11	12.64	12.41	12.00
270.0	14.75	14.34	14.16	13.75	13.34	13.05	12.82	12.41	12.11
315.0	13.87	13.46	13.23	12.99	12.58	12.35	12.06	11.76	11.47
360.0	13.34	13.11	12.93	12.64	12.35	11.88	11.65	11.29	11.00

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.59	10.30	10.12	10.01	9.71	9.60	9.42	9.36	9.36
45.0	11.06	10.71	10.42	10.18	10.07	9.83	9.60	9.42	9.36
90.0	11.00	10.65	10.36	10.12	9.83	9.71	9.48	9.36	9.36
135.0	11.24	10.94	10.59	10.36	10.12	9.89	9.71	9.54	9.42
180.0	12.11	11.70	11.35	11.00	10.65	10.36	10.12	9.89	9.60
225.0	11.65	11.29	10.94	10.59	10.36	10.07	9.77	9.60	9.42
270.0	11.82	11.41	11.00	10.71	10.42	10.18	9.83	9.66	9.54
315.0	11.00	10.77	10.42	10.30	10.07	9.83	9.66	9.54	9.42
360.0	10.59	10.30	10.12	10.01	9.71	9.60	9.42	9.36	9.36

Intensity data(cd)

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