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NT

Client:
LumCAT: 2-2682-L
Luminaire: 92.70.412.00
Report No: 2024301-B013
Ballast type: AC

Test No: 2024301-C013	Voltage(V): 33.980
LampCAT: LUMINUS CXM-14-AC40	Current(A): 0.530
Lamp flux(lm): 2575.0	Power (W): 18.009
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2217.14, Efficiency(%): 86.10% , Luminous Efficacy(lm/W): 123.11
Central intensity(cd): 8822.618, Maximum intensity(cd): 8822.618
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=20.4
[C90/270]Total=20.4
Field angle(10%Imax): [C0/180]Total=55.6
[C90/270]Total=55.6
Maximum s/h(1/2): C0_180=0.35 C90_270=0.35
Maximum s/h(1/4): C0_180=0.40 C90_270=0.40
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 86.10%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.974%

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	8822.618	0.000	0	0.00%	0.00%
1.0	8760.292	8.413	8.413	0.33%	0.38%
2.0	8551.220	24.847	33.26	0.96%	1.50%
3.0	8230.590	40.137	73.397	1.56%	3.31%
4.0	7809.447	53.691	127.088	2.09%	5.73%
5.0	7234.976	64.720	191.808	2.51%	8.65%
6.0	6707.103	73.269	265.078	2.85%	11.96%
7.0	6125.097	79.649	344.727	3.09%	15.55%
8.0	5547.845	83.541	428.268	3.24%	19.32%
9.0	5000.660	85.490	513.758	3.32%	23.17%
10.0	4505.194	86.024	599.782	3.34%	27.05%
11.0	4094.439	85.928	685.71	3.34%	30.93%
12.0	3666.347	84.837	770.547	3.29%	34.75%
13.0	3296.631	82.633	853.18	3.21%	38.48%
14.0	3002.116	80.623	933.803	3.13%	42.12%
15.0	2714.625	78.482	1012.285	3.05%	45.66%
16.0	2465.465	75.903	1088.188	2.95%	49.08%
17.0	2226.328	73.064	1161.252	2.84%	52.38%
18.0	2037.519	70.302	1231.553	2.73%	55.55%
19.0	1871.169	68.003	1299.557	2.64%	58.61%
20.0	1724.936	65.819	1365.375	2.56%	61.58%
21.0	1586.896	63.594	1428.969	2.47%	64.45%
22.0	1429.617	60.618	1489.587	2.35%	67.18%
23.0	1323.925	57.777	1547.364	2.24%	69.79%
24.0	1217.078	55.555	1602.919	2.16%	72.30%
25.0	1141.445	53.628	1656.547	2.08%	74.72%
26.0	1048.548	51.695	1708.242	2.01%	77.05%
27.0	953.485	48.980	1757.222	1.90%	79.26%
28.0	862.534	45.978	1803.2	1.79%	81.33%
29.0	766.352	42.616	1845.816	1.66%	83.25%
30.0	670.061	38.783	1884.599	1.51%	85.00%
31.0	572.460	34.578	1919.177	1.34%	86.56%
32.0	487.668	30.371	1949.548	1.18%	87.93%
33.0	411.121	26.479	1976.027	1.03%	89.12%
34.0	341.420	22.774	1998.801	0.88%	90.15%
35.0	293.110	19.706	2018.507	0.77%	91.04%
36.0	262.247	17.683	2036.19	0.69%	91.84%
37.0	225.363	15.903	2052.093	0.62%	92.56%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	186.380	13.743	2065.836	0.53%	93.18%
39.0	150.242	11.490	2077.326	0.45%	93.69%
40.0	129.532	9.758	2087.084	0.38%	94.13%
41.0	109.466	8.511	2095.594	0.33%	94.52%
42.0	93.855	7.387	2102.981	0.29%	94.85%
43.0	80.549	6.460	2109.442	0.25%	95.14%
44.0	70.351	5.695	2115.137	0.22%	95.40%
45.0	61.807	5.079	2120.216	0.20%	95.63%
46.0	54.887	4.564	2124.78	0.18%	95.83%
47.0	49.671	4.159	2128.938	0.16%	96.02%
48.0	45.487	3.847	2132.785	0.15%	96.20%
49.0	42.524	3.614	2136.399	0.14%	96.36%
50.0	40.534	3.463	2139.862	0.13%	96.51%
51.0	39.166	3.372	2143.234	0.13%	96.67%
52.0	38.032	3.313	2146.547	0.13%	96.82%
53.0	37.367	3.280	2149.827	0.13%	96.96%
54.0	37.118	3.283	2153.11	0.13%	97.11%
55.0	36.723	3.296	2156.406	0.13%	97.26%
56.0	36.101	3.291	2159.696	0.13%	97.41%
57.0	35.362	3.267	2162.964	0.13%	97.56%
58.0	34.067	3.211	2166.175	0.12%	97.70%
59.0	32.195	3.098	2169.272	0.12%	97.84%
60.0	30.132	2.945	2172.217	0.11%	97.97%
61.0	27.908	2.770	2174.987	0.11%	98.10%
62.0	25.318	2.565	2177.551	0.10%	98.21%
63.0	22.948	2.347	2179.899	0.09%	98.32%
64.0	20.797	2.147	2182.045	0.08%	98.42%
65.0	19.027	1.971	2184.016	0.08%	98.51%
66.0	17.696	1.832	2185.849	0.07%	98.59%
67.0	16.591	1.724	2187.573	0.07%	98.67%
68.0	15.801	1.641	2189.214	0.06%	98.74%
69.0	15.172	1.580	2190.794	0.06%	98.81%
70.0	14.660	1.532	2192.326	0.06%	98.88%
71.0	14.199	1.492	2193.817	0.06%	98.95%
72.0	13.775	1.455	2195.272	0.06%	99.01%
73.0	13.460	1.424	2196.696	0.06%	99.08%
74.0	13.131	1.398	2198.094	0.05%	99.14%
75.0	12.860	1.373	2199.467	0.05%	99.20%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.560	1.349	2200.817	0.05%	99.26%
77.0	12.334	1.327	2202.144	0.05%	99.32%
78.0	12.034	1.304	2203.448	0.05%	99.38%
79.0	11.756	1.278	2204.727	0.05%	99.44%
80.0	11.448	1.251	2205.978	0.05%	99.50%
81.0	11.185	1.224	2207.202	0.05%	99.55%
82.0	10.878	1.196	2208.398	0.05%	99.61%
83.0	10.607	1.168	2209.566	0.05%	99.66%
84.0	10.366	1.143	2210.708	0.04%	99.71%
85.0	10.146	1.120	2211.828	0.04%	99.76%
86.0	9.927	1.097	2212.925	0.04%	99.81%
87.0	9.751	1.077	2214.002	0.04%	99.86%
88.0	9.583	1.059	2215.061	0.04%	99.91%
89.0	9.481	1.045	2216.106	0.04%	99.95%
90.0	9.429	1.037	2217.143	0.04%	100.00%

Zonal flux distribution table

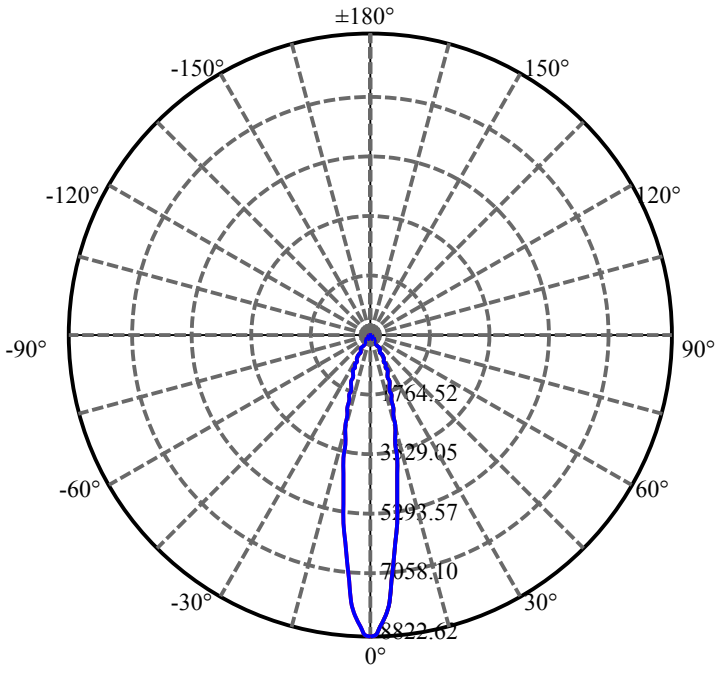
ZONAL LUMEN SUMMARY

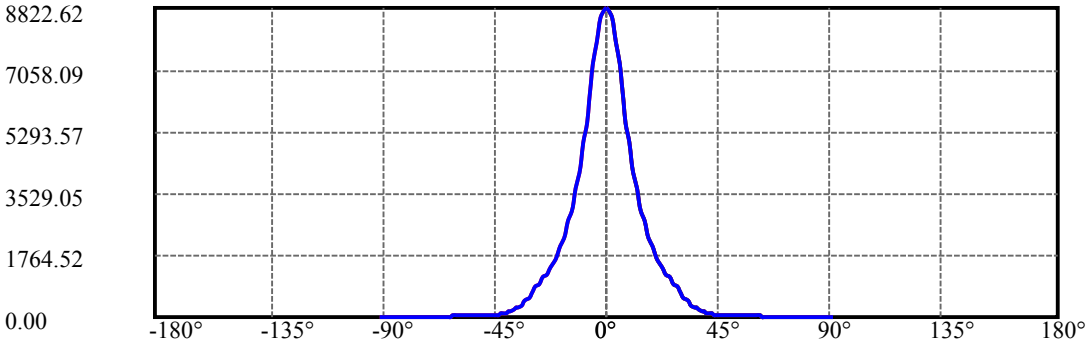
Zone	Lumens	%Lamp	%Fixt
0-30	1884.60	73.19%	85.00%
0-40	2087.08	81.05%	94.13%
0-60	2172.22	84.36%	97.97%
0-90	2216.11	86.06%	99.95%
0-120	2216.11	86.06%	99.95%
0-180	2217.14	86.10%	100.00%
60-90	43.89	1.70%	1.98%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.36	1773.71	68.88%	80.00%

ZONAL LUMEN SUMMARY

0-10	599.78
10-20	765.59
20-30	519.22
30-40	202.48
40-50	52.78
50-60	32.35
60-70	20.11
70-80	13.65
80-90	10.13
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):

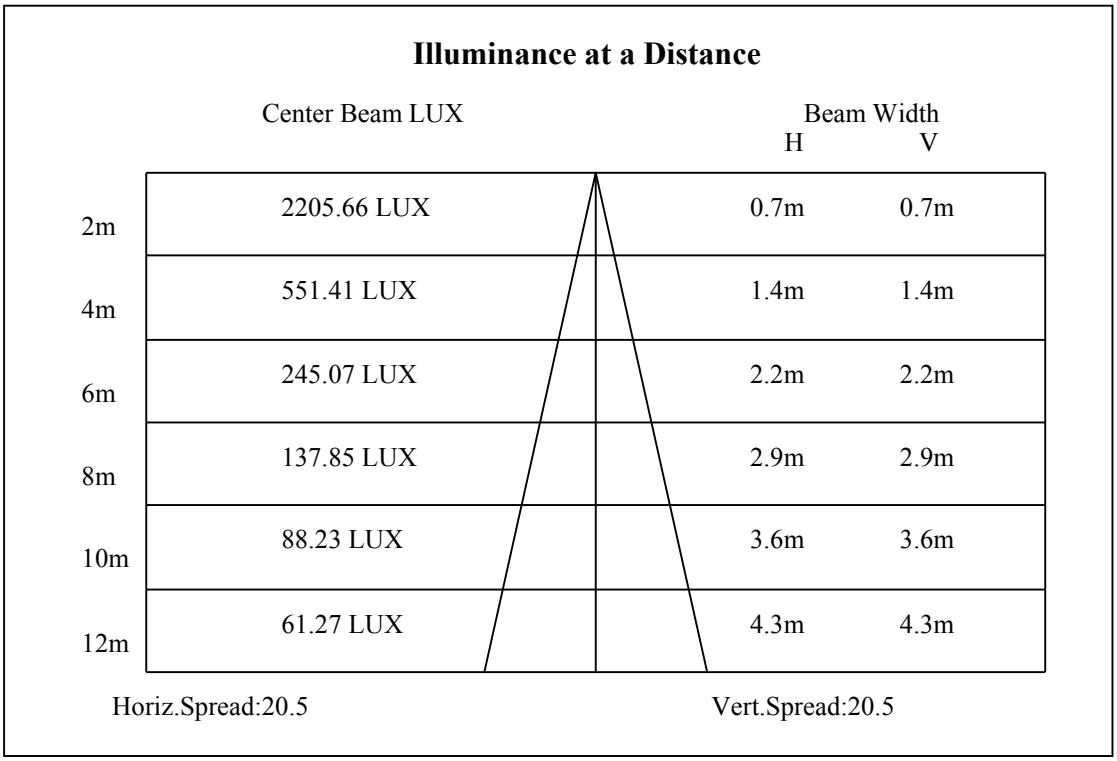
C0/C180:

C90/C270:

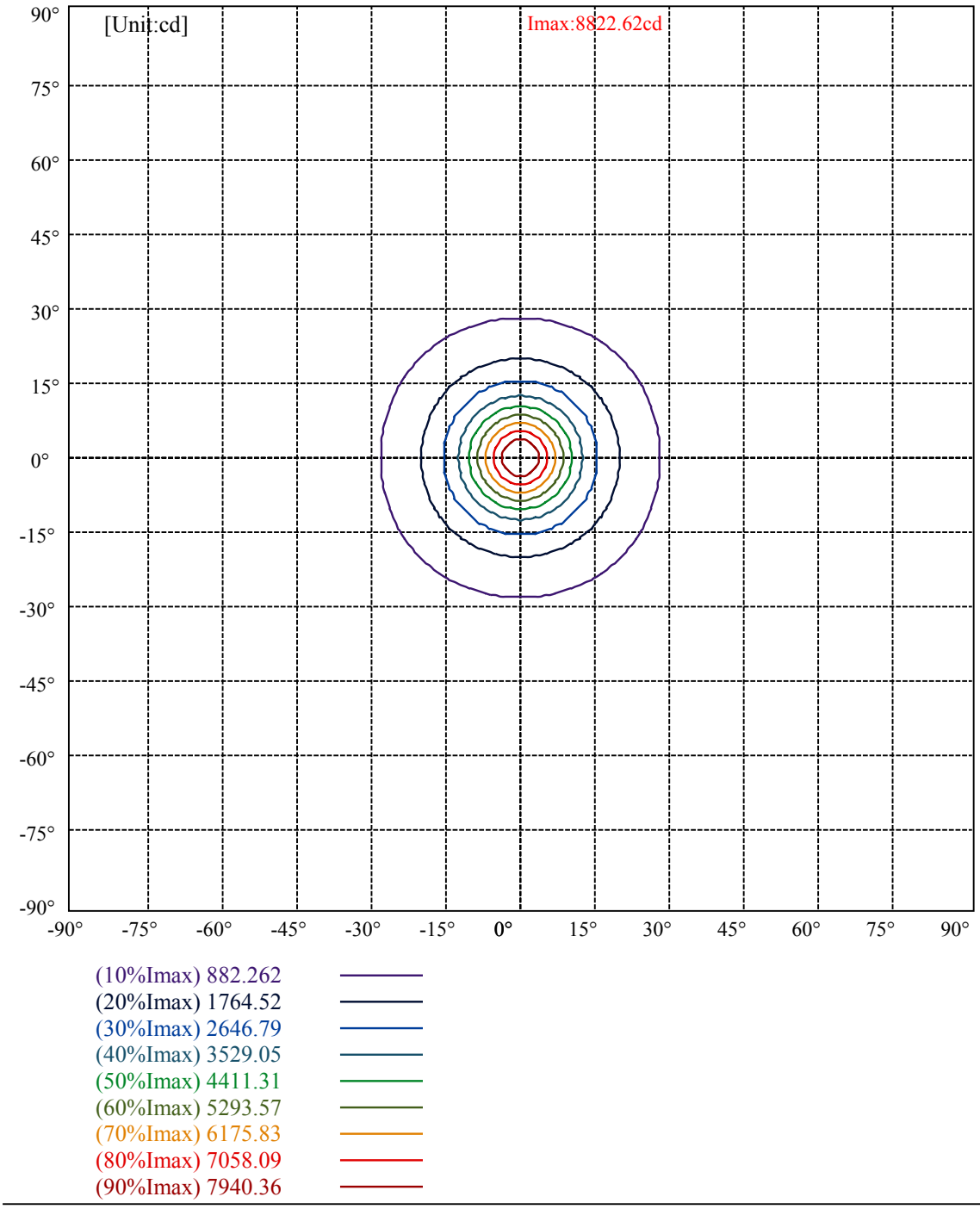
Field angle(10%Imax):C0/180Left:27.8 Right:27.8
:C90/270Left:27.8 Right:27.8

Beam Angle(50%Imax):C0/180Left:10.2 Right:10.2
:C90/270Left:10.2 Right:10.2

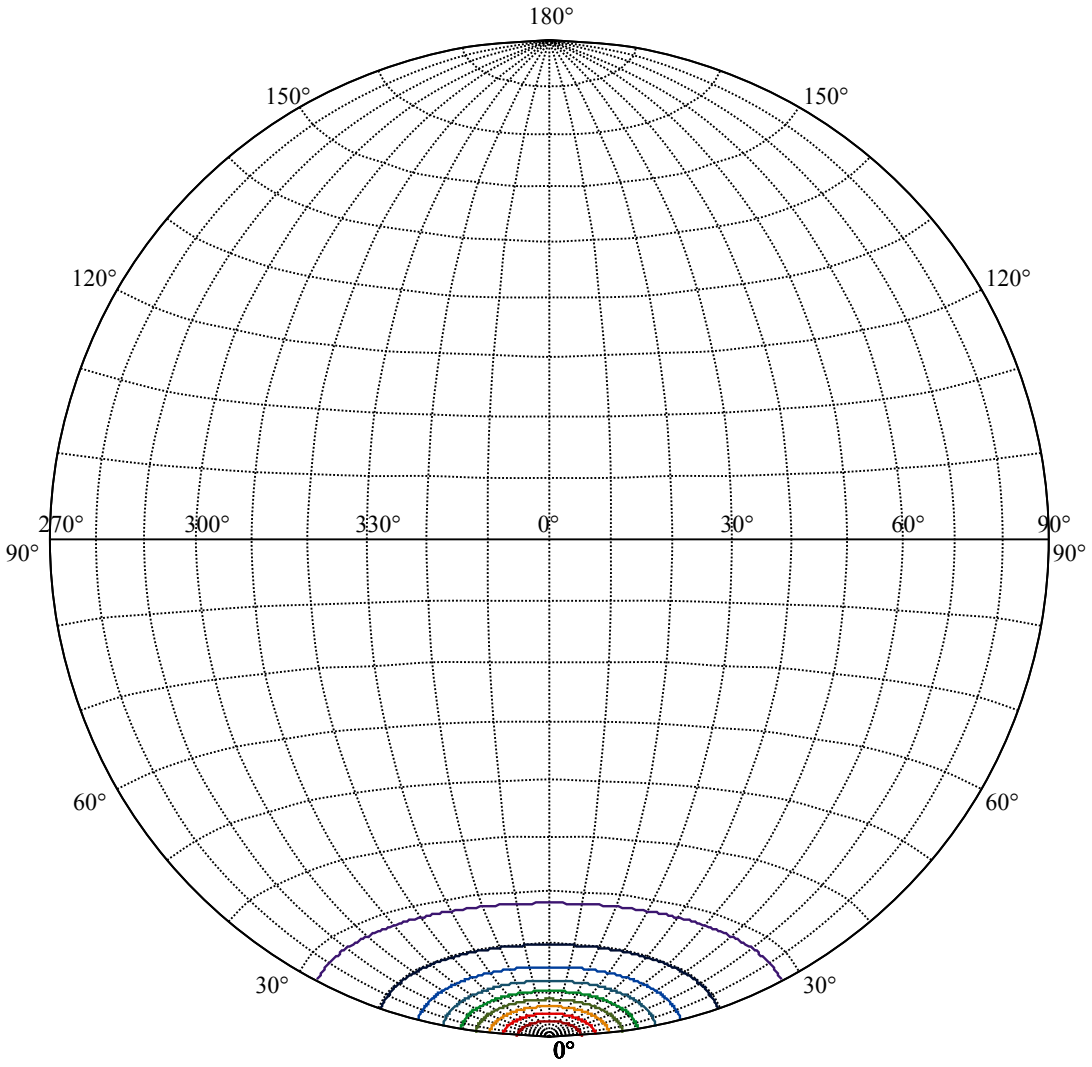
Lux distance Curve



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


[Unit:cd]
Imax:8822.62cd
90°
75°
60°
45°
30°
15°
0°
-15°
-30°
-45°
-60°
-75°
-90°
-90° -75° -60° -45° -30° -15° 0° 15° 30° 45° 60° 75° 90°
(10%Imax) 882.262
(20%Imax) 1764.52
(30%Imax) 2646.79
(40%Imax) 3529.05
(50%Imax) 4411.31
(60%Imax) 5293.57
(70%Imax) 6175.83
(80%Imax) 7058.09
(90%Imax) 7940.36

ISO candela diagram on circular web



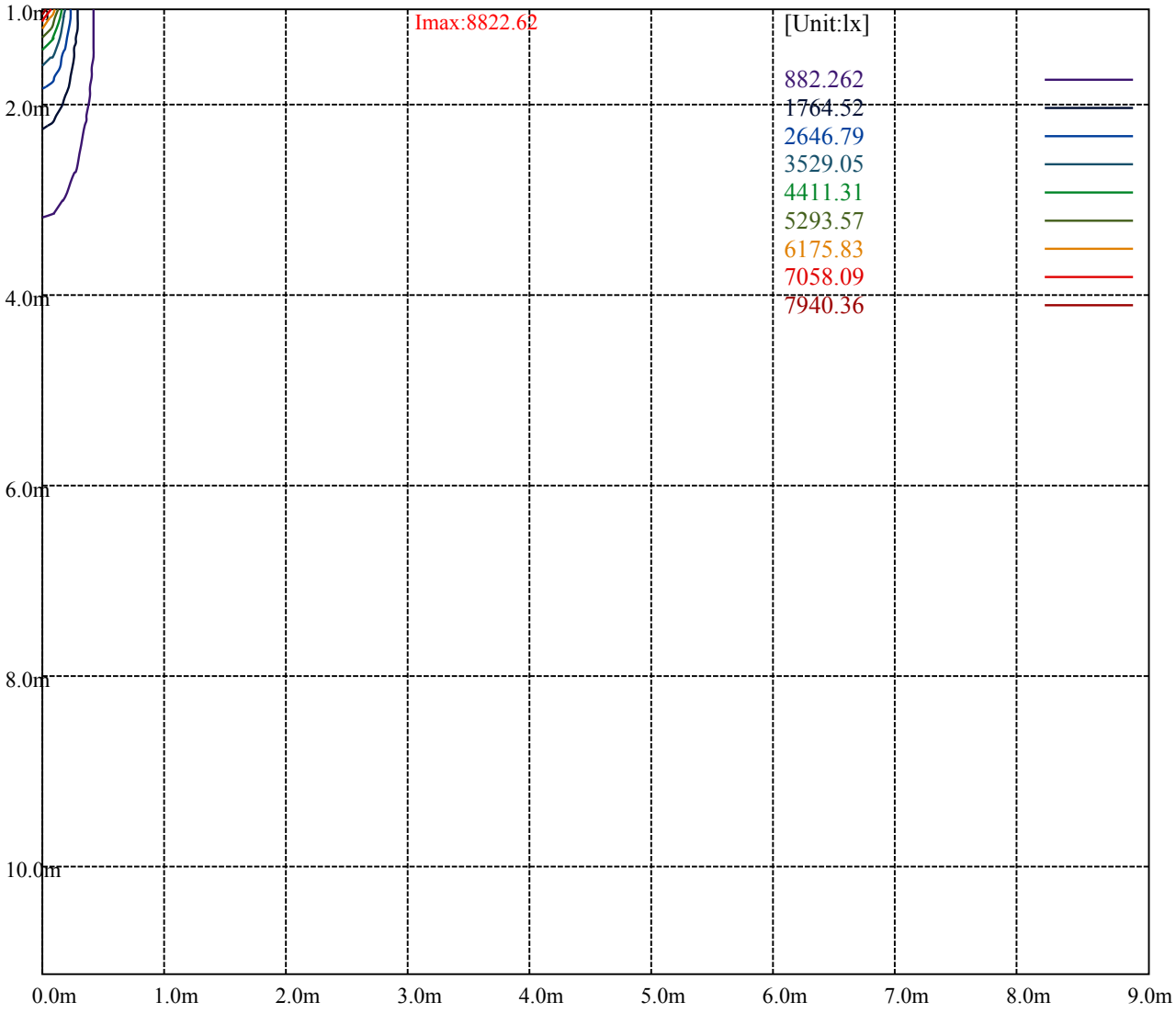
[Unit:cd]

Imax:8822.62

(10%Imax) 882.262
(20%Imax) 1764.52
(30%Imax) 2646.79
(40%Imax) 3529.05
(50%Imax) 4411.31
(60%Imax) 5293.57
(70%Imax) 6175.83
(80%Imax) 7058.09
(90%Imax) 7940.36

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

Luminance Limitting Curve(no luminous side)

Luminance Table

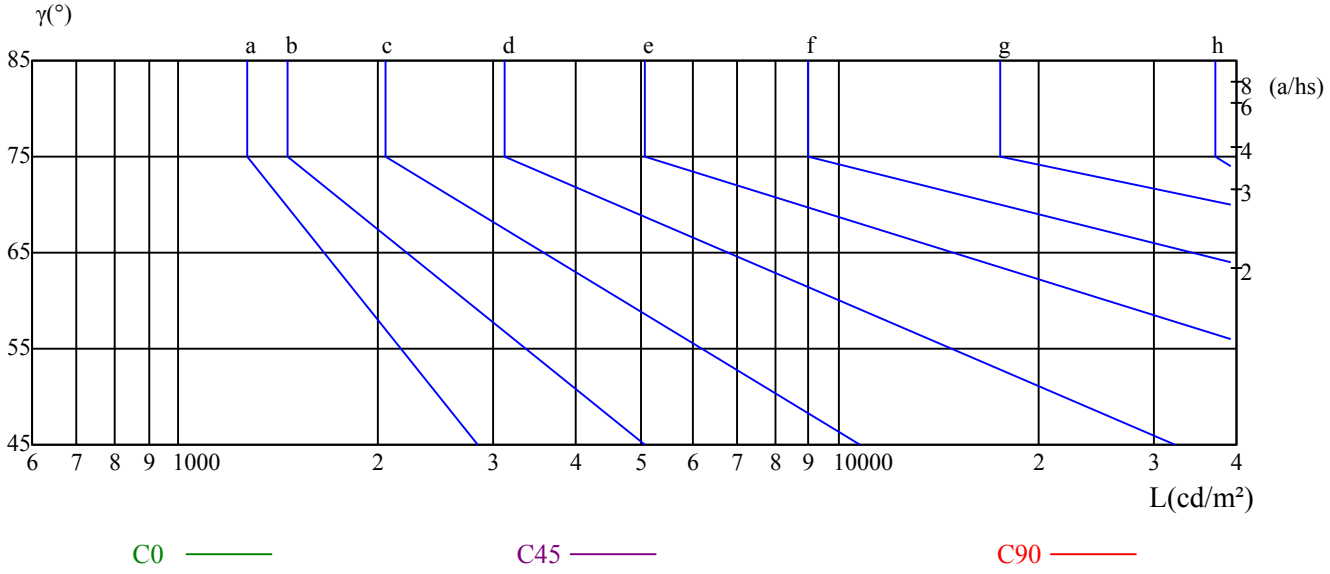
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

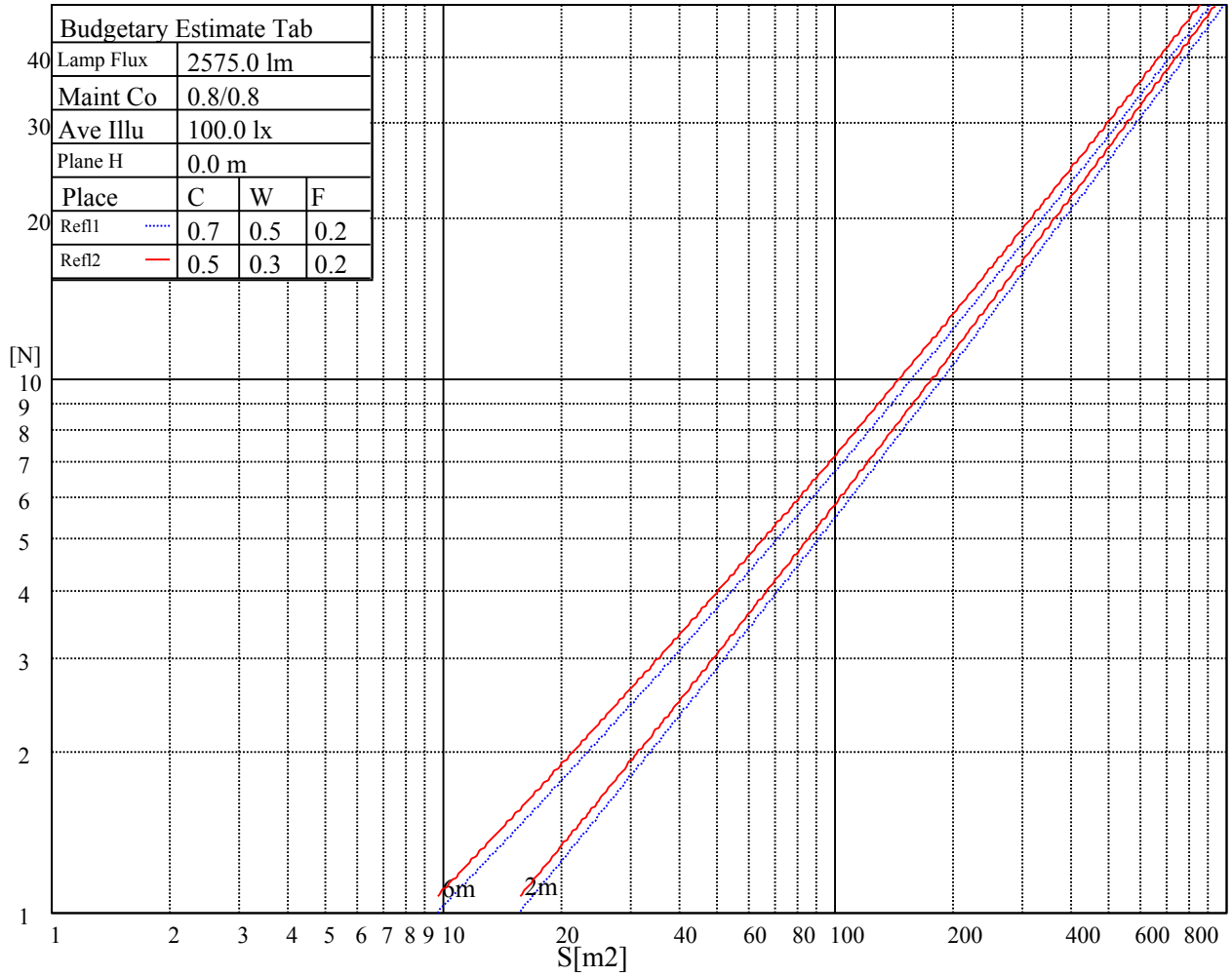
Luminance Limitting Curve



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

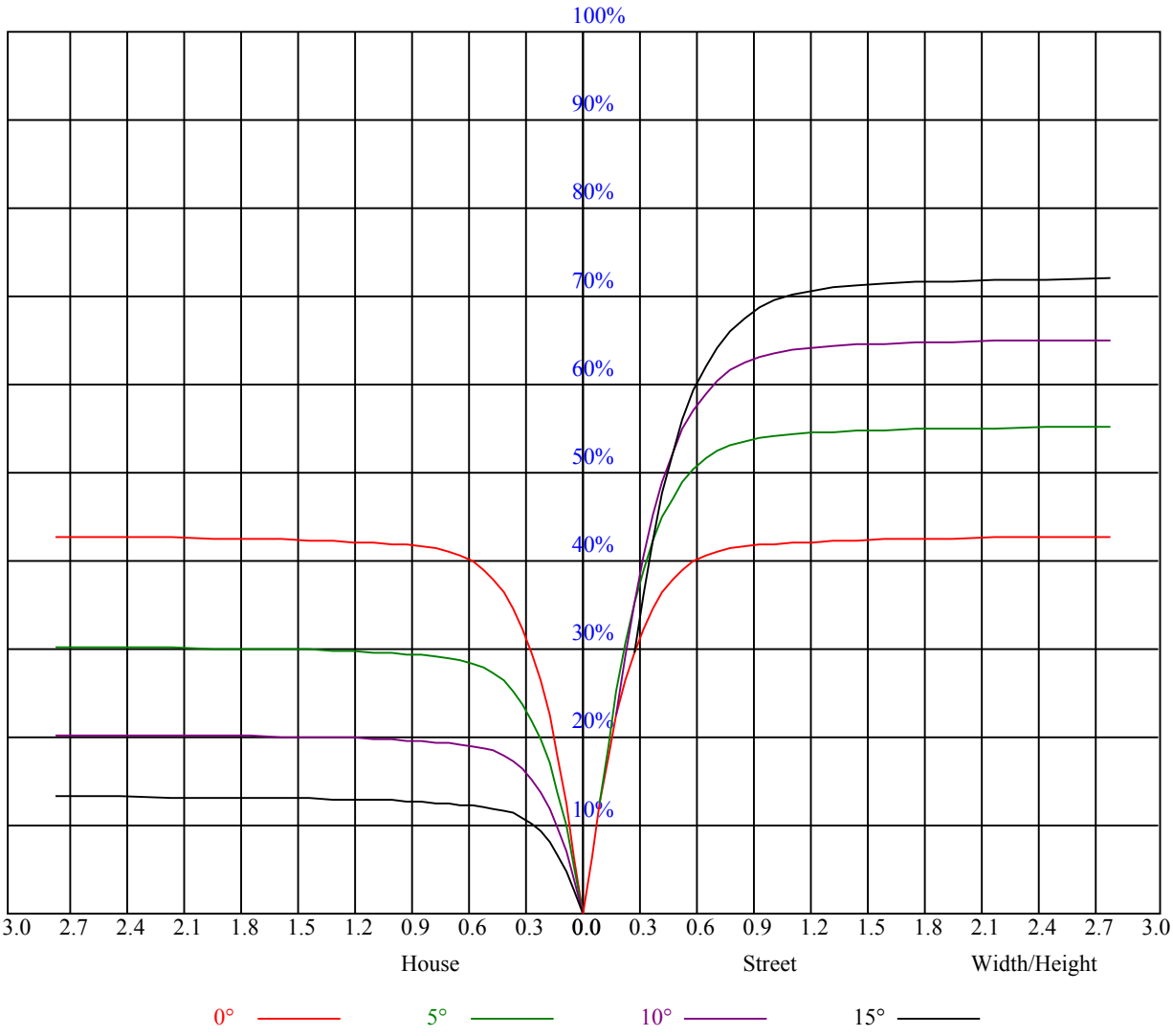


Equipment: GMS1980 Date: 2024/3/01 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

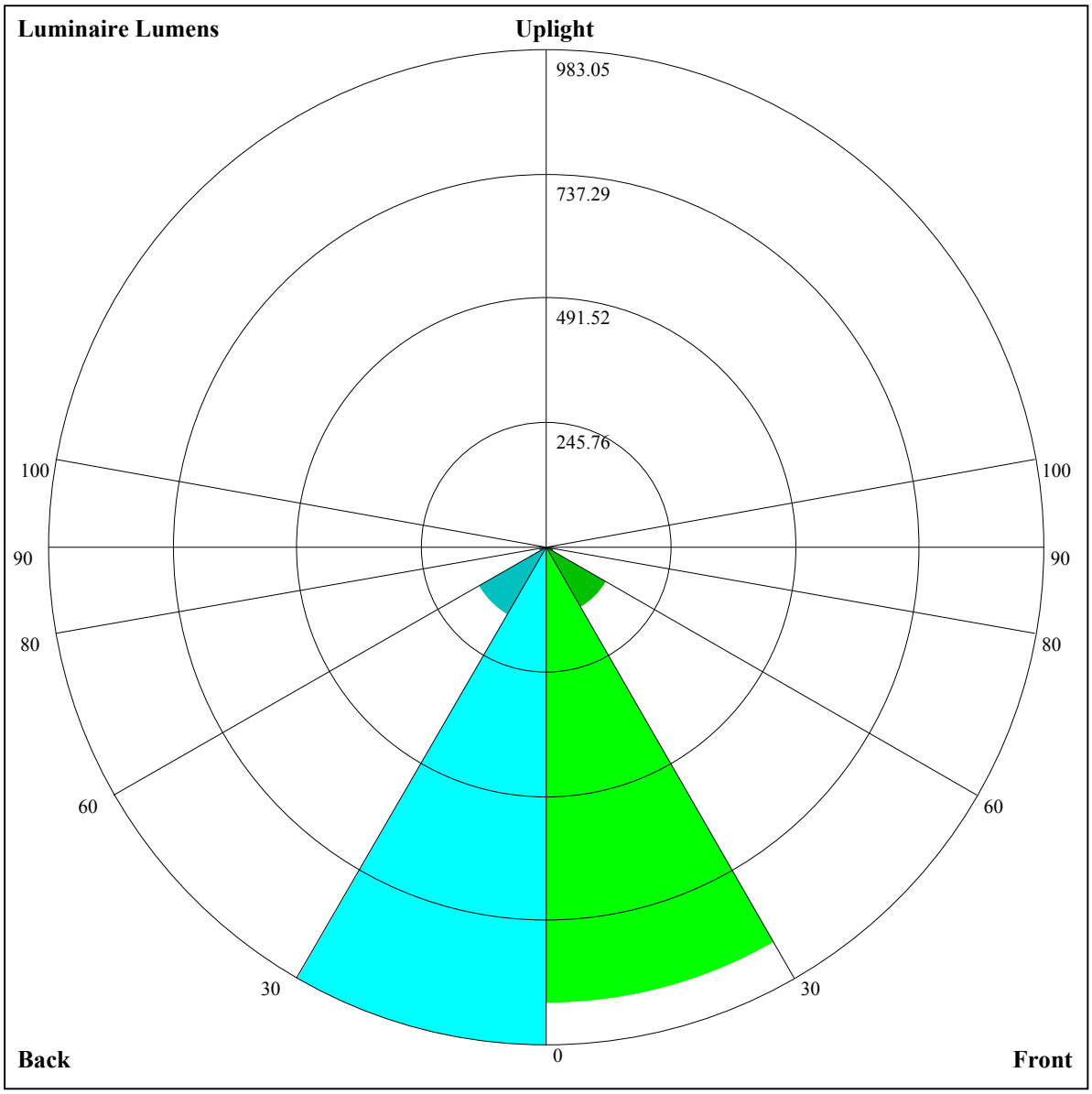
Utilization factor table for indoor luminaire

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	1.03	1.03	1.03	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	0.88	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	0.73	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	0.70	0.66	0.64	0.69	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	0.60	0.65	0.62	0.60	0.59
9	0.66	0.61	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.64	0.61	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	0.59	0.56	0.62	0.58	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=900.05,FM=135.64,FH=16.66,FVH=5.55
BL=983.05,BM=154.82,BH=17.2,BVH=5.63
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	8700.01	8439.59	7958.53	7473.38	6908.05	6172.43	5604.76	5075.71	4595.83
45.0	8873.24	8774.92	8540.83	8185.60	7584.57	7002.28	6407.69	5703.66	5183.98
90.0	8812.96	8587.65	8147.56	7676.45	7107.03	6382.52	5831.24	5309.22	4825.24
135.0	8904.26	8853.93	8654.95	8245.88	7803.45	7260.36	6682.16	6114.49	5453.77
180.0	8700.01	8862.12	8875.58	8787.80	8582.97	8179.16	7764.24	7265.04	6673.96
225.0	8873.24	8841.05	8721.67	8491.67	8154.00	7622.03	7118.15	6394.23	5821.29
270.0	8812.96	8898.40	8856.27	8680.12	8428.47	7971.99	7514.35	7002.86	6272.50
315.0	8904.26	8824.67	8654.37	8303.82	7907.03	7289.04	6734.24	6135.56	5556.18
360.0	8700.01	8439.59	7958.53	7473.38	6908.05	6172.43	5604.76	5075.71	4595.83

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4069.71	3708.04	3370.37	3053.76	2720.18	2482.00	2270.15	2043.08	1888.58
45.0	4711.70	4185.59	3806.95	3454.64	3061.37	2789.24	2542.86	2321.06	2085.80
90.0	4291.51	3907.61	3550.03	3144.47	2865.91	2612.50	2332.77	2138.47	1970.51
135.0	4964.52	4520.34	4115.95	3657.71	3332.33	3030.35	2695.60	2459.17	2202.85
180.0	5948.29	5412.80	4922.39	4342.43	3945.06	3588.07	3195.97	2909.80	2590.85
225.0	5288.74	4676.01	4242.35	3849.08	3410.16	3113.46	2844.84	2600.21	2324.57
270.0	5707.17	5191.00	4718.14	4166.86	3786.46	3440.01	3131.60	2786.31	2539.94
315.0	5023.63	4440.16	4029.33	3661.81	3251.57	2961.30	2703.21	2465.61	2207.53
360.0	4069.71	3708.04	3370.37	3053.76	2720.18	2482.00	2270.15	2043.08	1888.58

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1721.21	1597.72	1483.02	1378.85	1158.04	1158.04	1065.81	976.56	864.90
45.0	1925.45	1783.82	1653.32	1505.84	1401.67	1302.77	1185.72	1092.67	977.97
90.0	1789.09	1659.76	1539.20	1430.93	1159.56	1159.56	1113.74	1026.31	915.82
135.0	2029.03	1873.95	1704.82	1581.34	1470.73	1371.24	1253.61	1164.66	1077.46
180.0	2364.37	2173.58	1990.99	1805.48	1676.14	1557.93	1448.49	1323.84	1231.37
225.0	2128.52	1958.81	1811.92	1646.30	1526.33	1392.31	1152.54	1152.54	1108.36
270.0	2311.70	2083.46	1913.16	1768.02	1606.50	1487.70	1354.85	1256.54	1164.07
315.0	2030.79	1838.25	1703.06	1578.41	1437.96	1161.85	1161.85	1138.44	1048.43
360.0	1721.21	1597.72	1483.02	1378.85	1158.04	1158.04	1065.81	976.56	864.90

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	774.19	685.36	597.63	490.54	413.23	349.09	288.28	249.01	208.75
45.0	887.26	799.48	711.69	602.84	517.98	438.39	372.26	309.06	298.52
90.0	826.57	740.08	631.87	545.90	445.82	376.53	324.27	282.49	238.30
135.0	989.09	900.72	791.87	704.08	594.06	506.86	427.27	347.68	296.77
180.0	1141.25	1053.46	945.20	857.41	743.29	650.83	560.70	454.78	381.63
225.0	998.74	912.25	824.41	711.87	621.63	533.14	450.21	360.56	305.25
270.0	1073.95	962.17	872.04	782.50	691.21	579.43	492.23	412.06	344.76
315.0	936.83	846.76	756.11	665.34	552.45	467.07	373.72	315.73	270.90
360.0	774.19	685.36	597.63	490.54	413.23	349.09	288.28	249.01	208.75

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	181.24	157.48	136.71	115.00	100.42	87.61	73.39	64.26	57.29
45.0	298.52	201.02	168.95	146.89	127.40	106.16	91.88	79.24	66.89
90.0	208.52	180.83	157.13	130.91	112.89	97.62	84.21	70.40	61.92
135.0	296.77	243.10	173.64	148.00	126.53	104.46	90.36	77.54	67.30
180.0	323.69	299.11	299.11	194.59	166.96	137.64	118.04	102.12	88.78
225.0	260.25	222.03	182.53	155.55	132.90	108.97	94.16	79.59	70.23
270.0	303.79	303.79	203.01	168.37	144.84	124.83	104.05	91.12	80.06
315.0	225.19	195.52	169.95	142.62	124.30	108.44	94.75	80.12	70.34
360.0	181.24	157.48	136.71	115.00	100.42	87.61	73.39	64.26	57.29

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	51.79	46.53	43.54	41.20	39.33	38.39	37.69	36.99	36.52
45.0	59.52	52.03	47.11	44.07	41.67	39.56	38.86	38.10	37.10
90.0	54.07	49.04	45.65	42.19	39.91	39.15	38.62	37.45	37.04
135.0	57.53	51.56	46.64	42.49	40.38	38.33	37.16	36.52	35.93
180.0	77.83	66.01	58.64	51.27	46.58	43.48	40.67	38.57	37.69
225.0	62.79	56.88	50.68	46.00	42.90	40.85	38.86	37.92	37.45
270.0	68.71	61.33	55.65	50.97	46.23	43.25	41.26	39.39	38.51
315.0	62.21	55.71	49.45	45.71	43.19	41.26	40.20	39.33	38.68
360.0	51.79	46.53	43.54	41.20	39.33	38.39	37.69	36.99	36.52

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	36.40	35.76	34.41	33.24	31.19	28.38	26.45	24.11	21.71
45.0	36.99	36.93	36.28	35.23	33.83	31.66	28.68	26.63	24.23
90.0	36.99	36.34	35.05	34.00	31.95	28.97	26.86	24.76	21.65
135.0	35.76	35.82	35.46	34.59	33.30	31.49	29.09	26.74	24.17
180.0	37.34	36.46	36.11	36.23	35.87	34.59	33.77	31.95	28.97
225.0	36.87	36.75	36.69	35.99	34.94	34.00	31.31	28.91	26.74
270.0	38.45	37.57	37.22	36.93	35.99	34.88	33.65	31.31	28.15
315.0	38.16	38.16	37.57	36.69	35.46	33.59	31.25	28.85	26.92
360.0	36.40	35.76	34.41	33.24	31.19	28.38	26.45	24.11	21.71

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.61	18.26	17.15	16.15	15.57	14.86	14.46	13.99	13.64
45.0	21.07	19.43	18.14	17.09	16.09	15.45	14.92	14.40	13.93
90.0	19.78	18.14	17.09	16.27	15.63	14.98	14.51	14.10	13.75
135.0	21.71	19.25	17.97	16.97	16.04	15.39	14.86	14.34	13.93
180.0	26.86	24.81	21.48	19.66	17.97	16.85	16.09	15.51	14.81
225.0	23.94	21.30	19.43	18.02	16.68	15.92	15.27	14.75	14.22
270.0	26.28	23.94	21.30	19.20	17.91	16.80	15.86	15.27	14.81
315.0	24.35	21.24	19.66	18.20	16.85	16.15	15.39	14.92	14.51
360.0	19.61	18.26	17.15	16.15	15.57	14.86	14.46	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	13.28	12.99	12.76	12.52	12.17	11.94	11.65	11.24	11.00
45.0	13.52	13.23	12.87	12.64	12.35	12.11	11.82	11.59	11.24
90.0	13.34	13.11	12.82	12.64	12.35	12.06	11.70	11.47	11.18
135.0	13.52	13.28	12.99	12.76	12.52	12.29	12.00	11.70	11.41
180.0	14.40	13.99	13.64	13.23	12.93	12.76	12.47	12.17	11.88
225.0	13.87	13.52	13.17	12.87	12.58	12.41	12.11	11.88	11.53
270.0	14.28	13.93	13.52	13.23	12.93	12.70	12.41	12.17	11.88
315.0	13.99	13.64	13.28	12.99	12.64	12.41	12.11	11.82	11.47
360.0	13.28	12.99	12.76	12.52	12.17	11.94	11.65	11.24	11.00

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.77	10.48	10.24	10.07	9.83	9.71	9.60	9.42	9.48
45.0	11.06	10.65	10.42	10.24	10.01	9.77	9.60	9.48	9.36
90.0	10.83	10.59	10.36	10.07	9.95	9.71	9.54	9.42	9.42
135.0	11.12	10.89	10.53	10.36	10.12	9.89	9.71	9.54	9.42
180.0	11.59	11.29	11.00	10.77	10.48	10.24	10.01	9.83	9.66
225.0	11.29	11.00	10.77	10.42	10.24	10.01	9.83	9.66	9.48
270.0	11.59	11.24	10.94	10.65	10.36	10.12	9.89	9.71	9.54
315.0	11.24	10.89	10.59	10.36	10.18	9.95	9.83	9.60	9.48
360.0	10.77	10.48	10.24	10.07	9.83	9.71	9.60	9.42	9.48

Intensity data(cd)

C/γ(°)	90.0
0.0	9.48
45.0	9.36
90.0	9.42
135.0	9.42
180.0	9.48
225.0	9.42
270.0	9.42
315.0	9.42
360.0	9.48