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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 2-2686-L
Luminaire: 92.70.429.00
Report No: 2024411-B004
Ballast type: AC

Test No: 2024411-C004	Voltage(V): 34.730
LampCAT: CREE CXA1830 LES14	Current(A): 0.530
Lamp flux(lm): 2685.0	Power (W): 18.406
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2272.87, Efficiency(%): 84.65% , Luminous Efficacy(lm/W): 123.49
Central intensity(cd): 12515.620, Maximum intensity(cd): 12515.620
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=17.8
[C90/270]Total=17.8
Field angle(10%Imax): [C0/180]Total=44.2
[C90/270]Total=44.2
Maximum s/h(1/2): C0_180=0.31 C90_270=0.31
Maximum s/h(1/4): C0_180=0.32 C90_270=0.32
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 84.65%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.933%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	12515.622	0.000	0	0.00%	0.00%
1.0	12301.225	11.874	11.874	0.44%	0.52%
2.0	11990.851	34.866	46.741	1.30%	2.06%
3.0	11653.176	56.549	103.289	2.11%	4.54%
4.0	11094.213	76.143	179.432	2.84%	7.89%
5.0	10292.601	92.005	271.437	3.43%	11.94%
6.0	9334.295	103.145	374.582	3.84%	16.48%
7.0	8224.342	108.986	483.568	4.06%	21.28%
8.0	7189.006	110.310	593.878	4.11%	26.13%
9.0	6178.176	108.334	702.212	4.03%	30.90%
10.0	5228.064	103.222	805.434	3.84%	35.44%
11.0	4424.038	96.444	901.879	3.59%	39.68%
12.0	3807.503	89.983	991.861	3.35%	43.64%
13.0	3300.625	84.356	1076.217	3.14%	47.35%
14.0	2921.692	79.645	1155.862	2.97%	50.85%
15.0	2702.086	77.206	1233.068	2.88%	54.25%
16.0	2387.396	74.575	1307.643	2.78%	57.53%
17.0	2098.017	69.850	1377.493	2.60%	60.61%
18.0	1876.802	65.536	1443.029	2.44%	63.49%
19.0	1712.281	62.443	1505.472	2.33%	66.24%
20.0	1547.467	59.662	1565.134	2.22%	68.86%
21.0	1395.001	56.501	1621.635	2.10%	71.35%
22.0	1261.226	53.378	1675.013	1.99%	73.70%
23.0	1186.178	51.353	1726.366	1.91%	75.96%
24.0	1098.701	49.956	1776.322	1.86%	78.15%
25.0	1020.596	48.188	1824.51	1.79%	80.27%
26.0	941.078	46.306	1870.816	1.72%	82.31%
27.0	845.782	43.716	1914.532	1.63%	84.23%
28.0	750.690	40.419	1954.951	1.51%	86.01%
29.0	656.644	36.820	1991.771	1.37%	87.63%
30.0	556.556	32.756	2024.527	1.22%	89.07%
31.0	463.608	28.390	2052.917	1.06%	90.32%
32.0	373.330	23.977	2076.894	0.89%	91.38%
33.0	294.332	19.670	2096.564	0.73%	92.24%
34.0	245.714	16.343	2112.907	0.61%	92.96%
35.0	183.622	13.334	2126.241	0.50%	93.55%
36.0	135.238	10.153	2136.393	0.38%	94.00%
37.0	111.529	8.048	2144.441	0.30%	94.35%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	99.832	7.055	2151.496	0.26%	94.66%
39.0	90.212	6.487	2157.983	0.24%	94.95%
40.0	81.054	5.973	2163.956	0.22%	95.21%
41.0	72.180	5.457	2169.413	0.20%	95.45%
42.0	65.004	4.984	2174.397	0.19%	95.67%
43.0	58.435	4.573	2178.969	0.17%	95.87%
44.0	52.941	4.204	2183.173	0.16%	96.05%
45.0	48.171	3.886	2187.059	0.14%	96.22%
46.0	44.082	3.608	2190.667	0.13%	96.38%
47.0	40.695	3.372	2194.039	0.13%	96.53%
48.0	37.440	3.159	2197.197	0.12%	96.67%
49.0	34.821	2.967	2200.165	0.11%	96.80%
50.0	32.553	2.809	2202.974	0.10%	96.92%
51.0	30.461	2.666	2205.64	0.10%	97.04%
52.0	28.786	2.542	2208.182	0.09%	97.15%
53.0	27.242	2.437	2210.619	0.09%	97.26%
54.0	26.021	2.348	2212.967	0.09%	97.36%
55.0	24.916	2.274	2215.241	0.08%	97.46%
56.0	24.023	2.211	2217.452	0.08%	97.56%
57.0	23.248	2.161	2219.613	0.08%	97.66%
58.0	22.634	2.122	2221.735	0.08%	97.75%
59.0	22.136	2.093	2223.828	0.08%	97.84%
60.0	21.719	2.072	2225.9	0.08%	97.93%
61.0	21.339	2.055	2227.955	0.08%	98.02%
62.0	20.988	2.040	2229.994	0.08%	98.11%
63.0	20.527	2.019	2232.013	0.08%	98.20%
64.0	19.963	1.987	2234	0.07%	98.29%
65.0	19.290	1.943	2235.943	0.07%	98.38%
66.0	18.478	1.884	2237.827	0.07%	98.46%
67.0	17.754	1.822	2239.649	0.07%	98.54%
68.0	16.993	1.760	2241.409	0.07%	98.62%
69.0	16.342	1.701	2243.11	0.06%	98.69%
70.0	15.757	1.649	2244.759	0.06%	98.76%
71.0	15.304	1.605	2246.364	0.06%	98.83%
72.0	14.931	1.572	2247.936	0.06%	98.90%
73.0	14.887	1.559	2249.495	0.06%	98.97%
74.0	15.179	1.581	2251.076	0.06%	99.04%
75.0	15.560	1.624	2252.7	0.06%	99.11%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.633	1.656	2254.356	0.06%	99.19%
77.0	15.567	1.663	2256.019	0.06%	99.26%
78.0	15.333	1.654	2257.673	0.06%	99.33%
79.0	14.784	1.618	2259.292	0.06%	99.40%
80.0	13.855	1.544	2260.836	0.06%	99.47%
81.0	12.714	1.437	2262.272	0.05%	99.53%
82.0	11.829	1.331	2263.603	0.05%	99.59%
83.0	11.397	1.263	2264.866	0.05%	99.65%
84.0	11.156	1.229	2266.095	0.05%	99.70%
85.0	10.893	1.203	2267.298	0.04%	99.75%
86.0	10.432	1.166	2268.464	0.04%	99.81%
87.0	10.176	1.128	2269.591	0.04%	99.86%
88.0	10.000	1.105	2270.697	0.04%	99.90%
89.0	9.898	1.091	2271.787	0.04%	99.95%
90.0	9.861	1.083	2272.87	0.04%	100.00%

Zonal flux distribution table

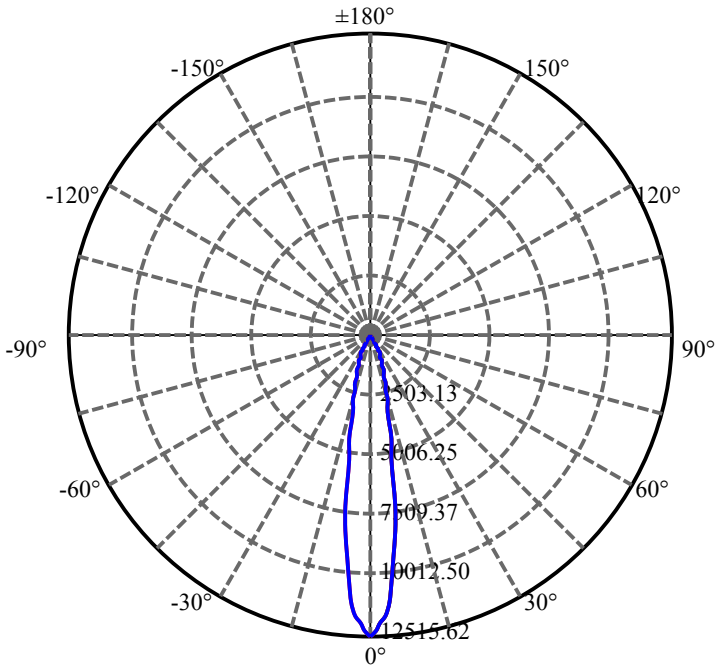
ZONAL LUMEN SUMMARY

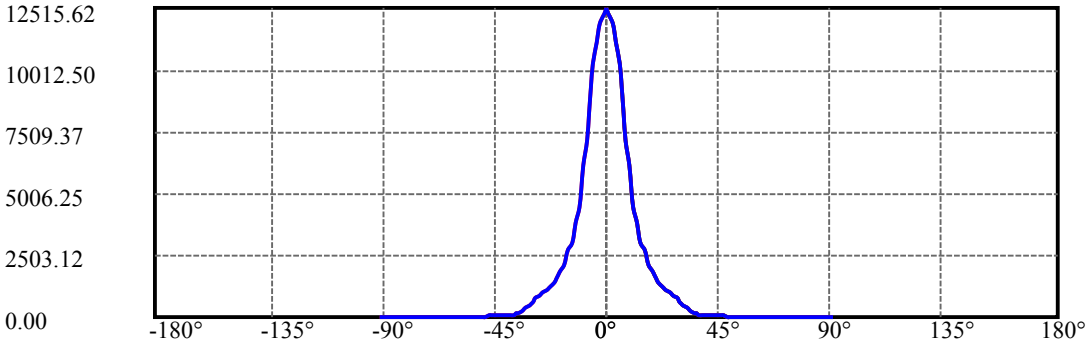
Zone	Lumens	%Lamp	%Fixt
0-30	2024.53	75.40%	89.07%
0-40	2163.96	80.59%	95.21%
0-60	2225.90	82.90%	97.93%
0-90	2271.79	84.61%	99.95%
0-120	2271.79	84.61%	99.95%
0-180	2272.87	84.65%	100.00%
60-90	45.89	1.71%	2.02%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.87	1818.30	67.72%	80.00%

ZONAL LUMEN SUMMARY

0-10	805.43
10-20	759.70
20-30	459.39
30-40	139.43
40-50	39.02
50-60	22.93
60-70	18.86
70-80	16.08
80-90	10.95
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):

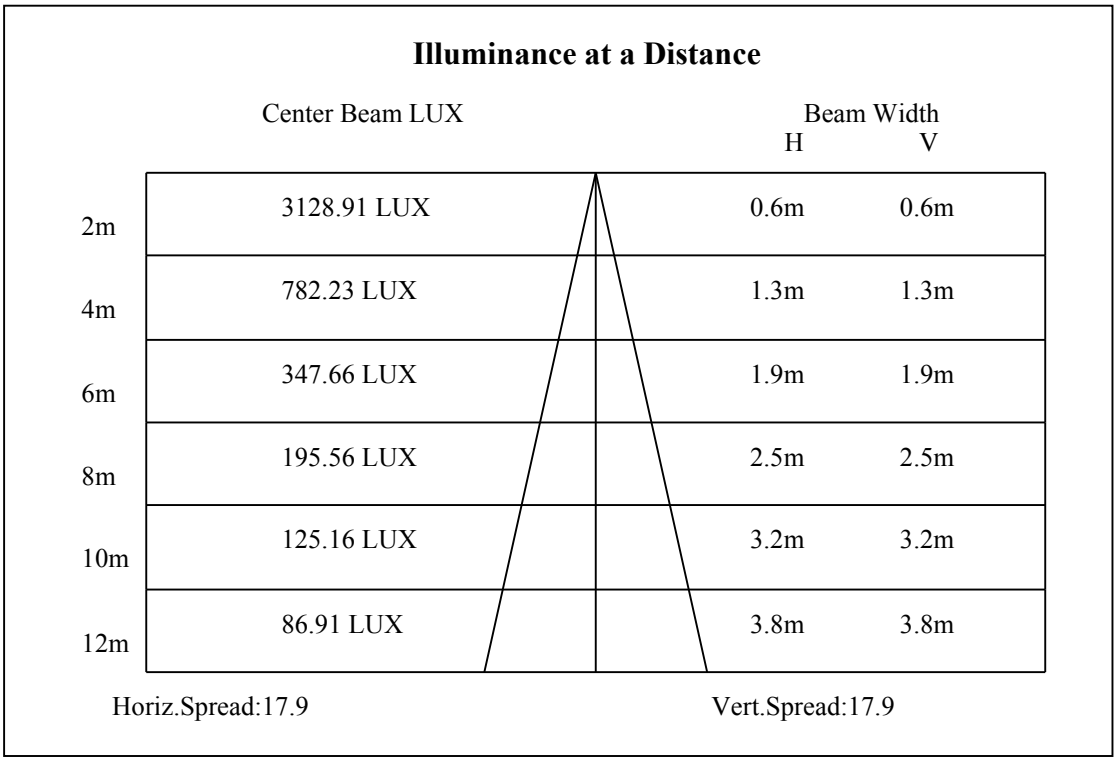
C0/C180:

C90/C270:

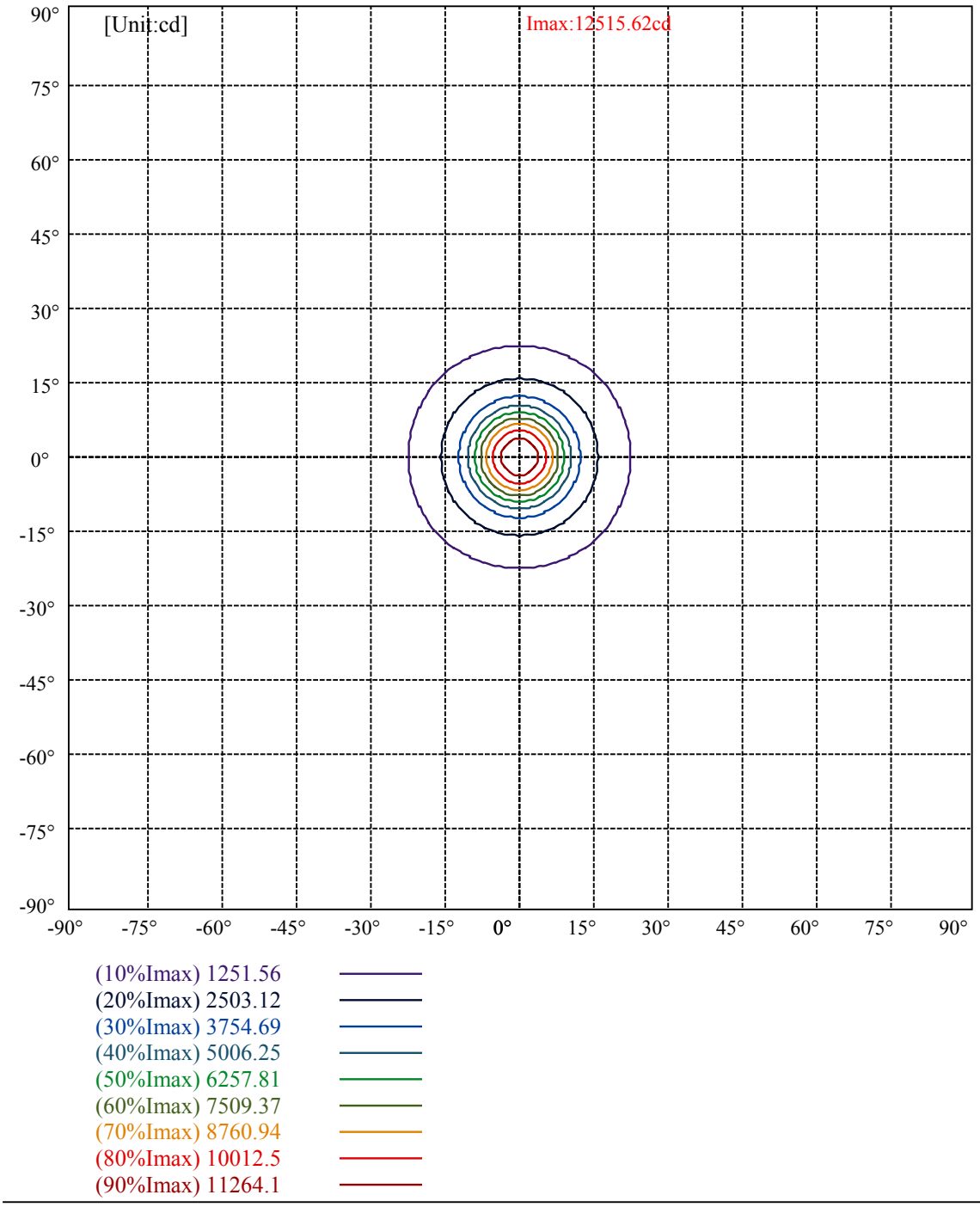
Field angle(10%Imax):C0/180Left:22.1 Right:22.1
:C90/270Left:22.1 Right:22.1

Beam Angle(50%Imax):C0/180Left:8.9 Right:8.9
:C90/270Left:8.9 Right:8.9

Lux distance Curve

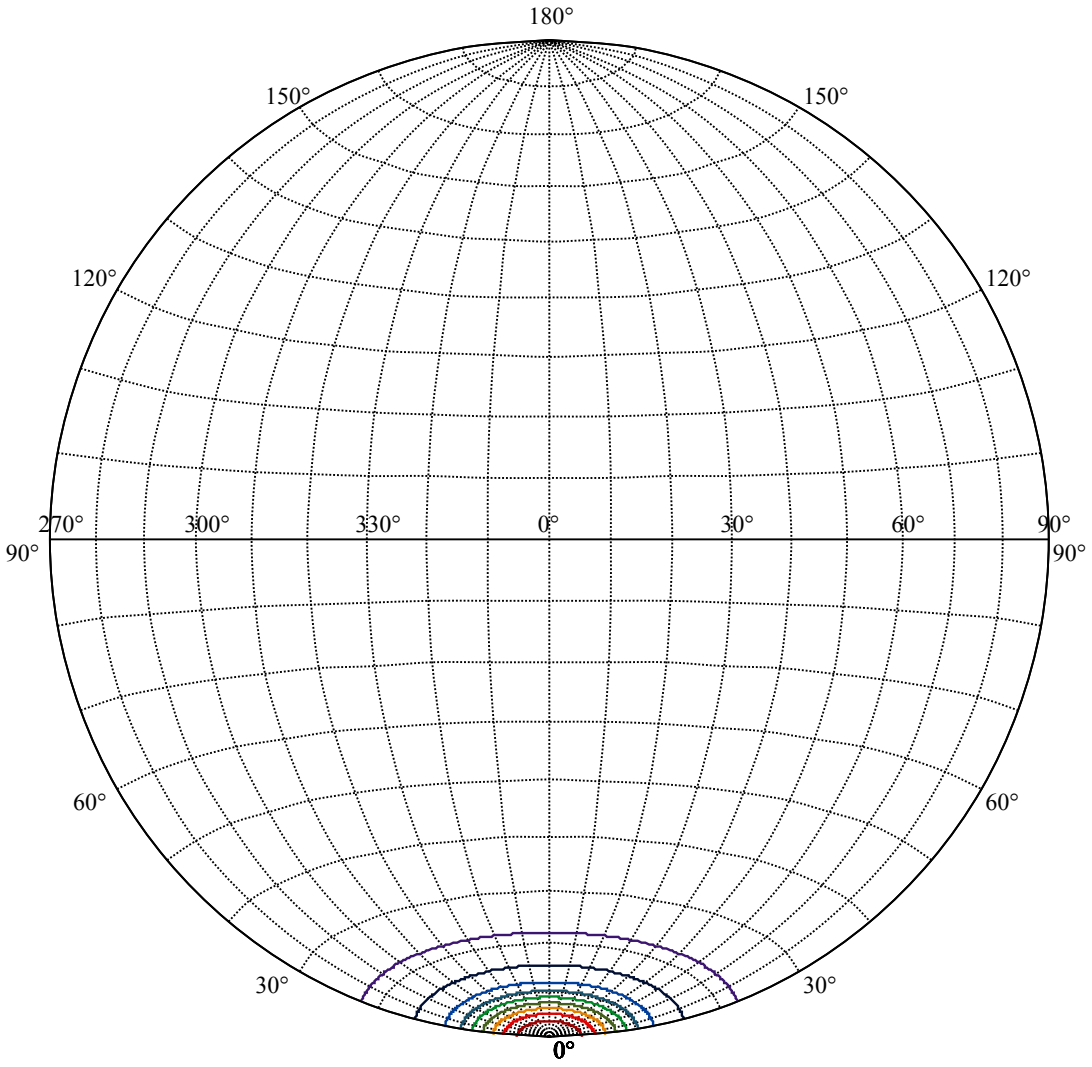


ISO-Intensity(V-H)



Equipment: GMS1980	Date: 2024/4/11	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

ISO candela diagram on circular web



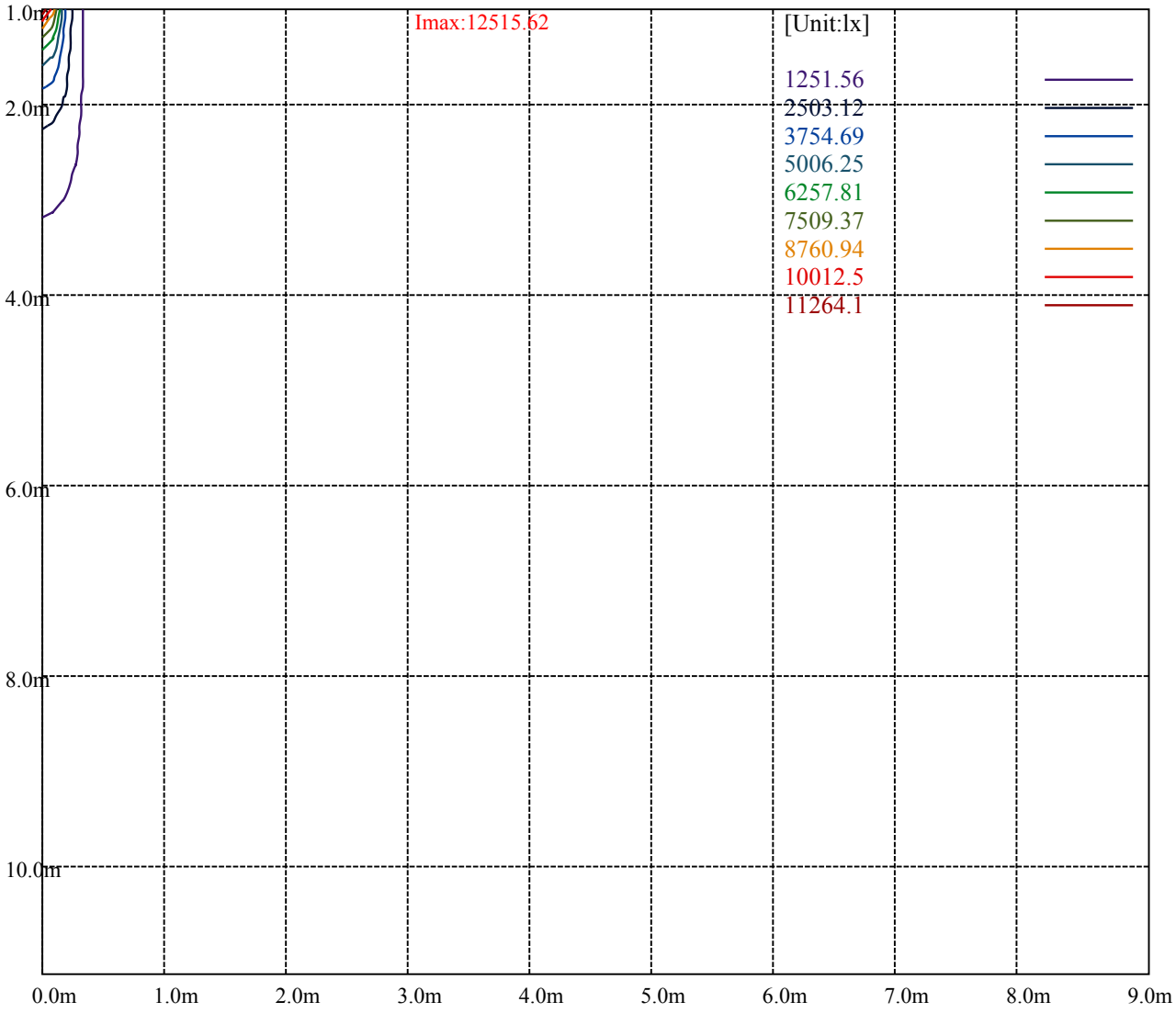
[Unit:cd]

Imax:12515.62

(10%Imax) 1251.56
(20%Imax) 2503.12
(30%Imax) 3754.69
(40%Imax) 5006.25
(50%Imax) 6257.81
(60%Imax) 7509.37
(70%Imax) 8760.94
(80%Imax) 10012.5
(90%Imax) 11264.1

Equipment: GMS1980	Date: 2024/4/11	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/4/11
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

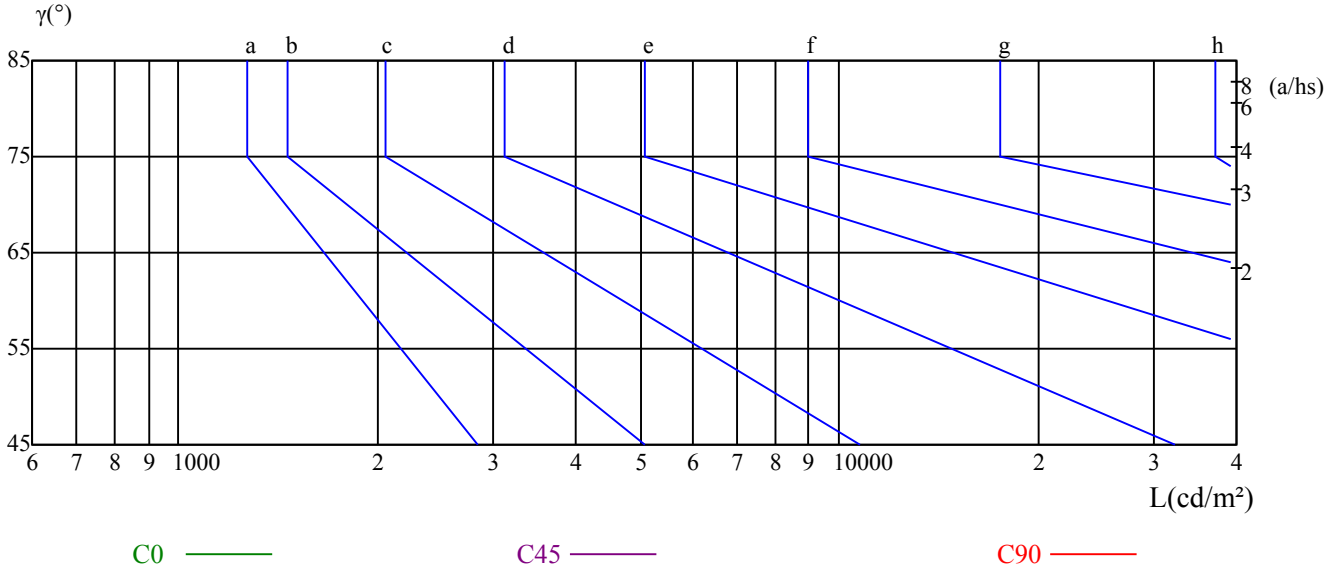
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

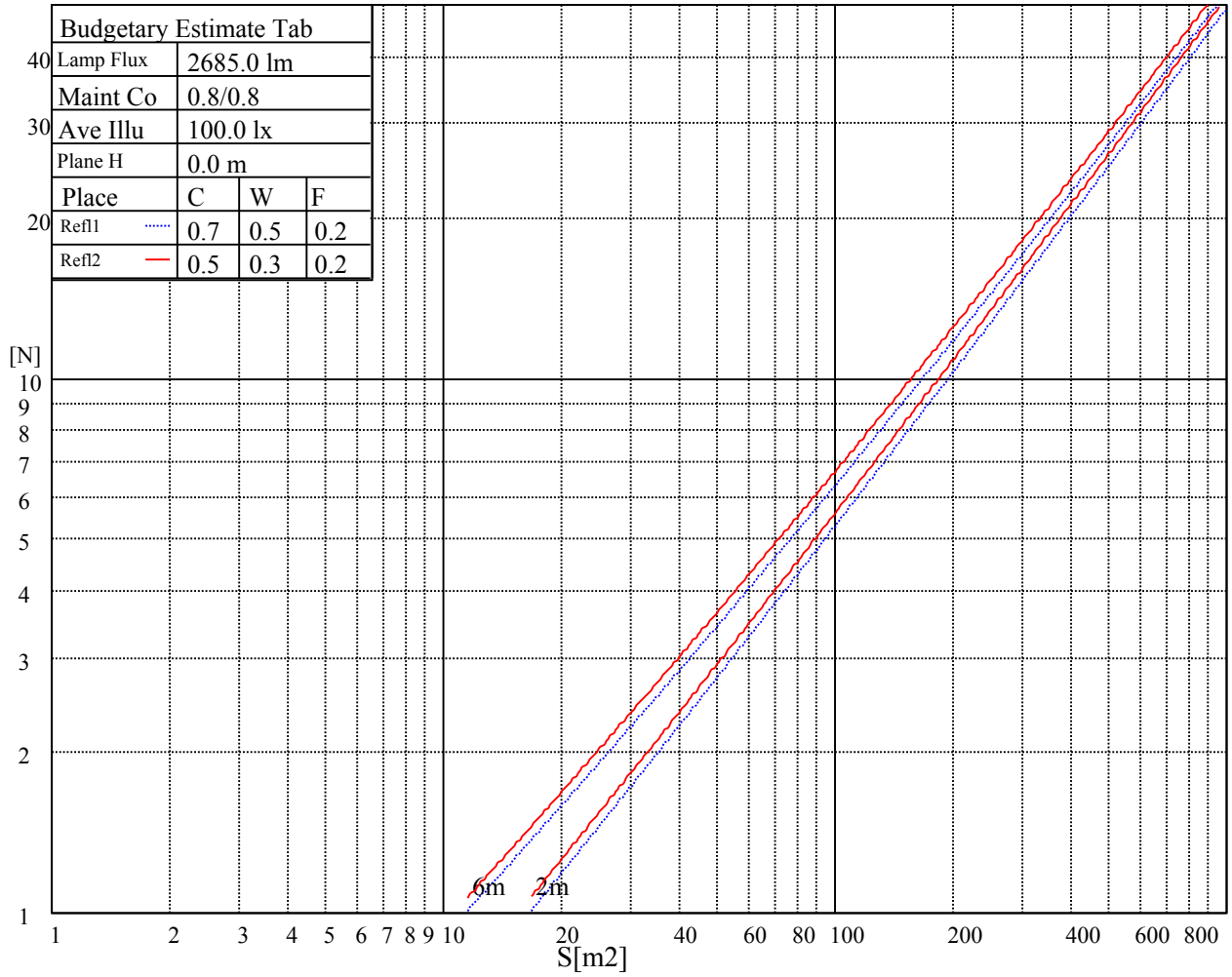
Luminance Limitting Curve



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

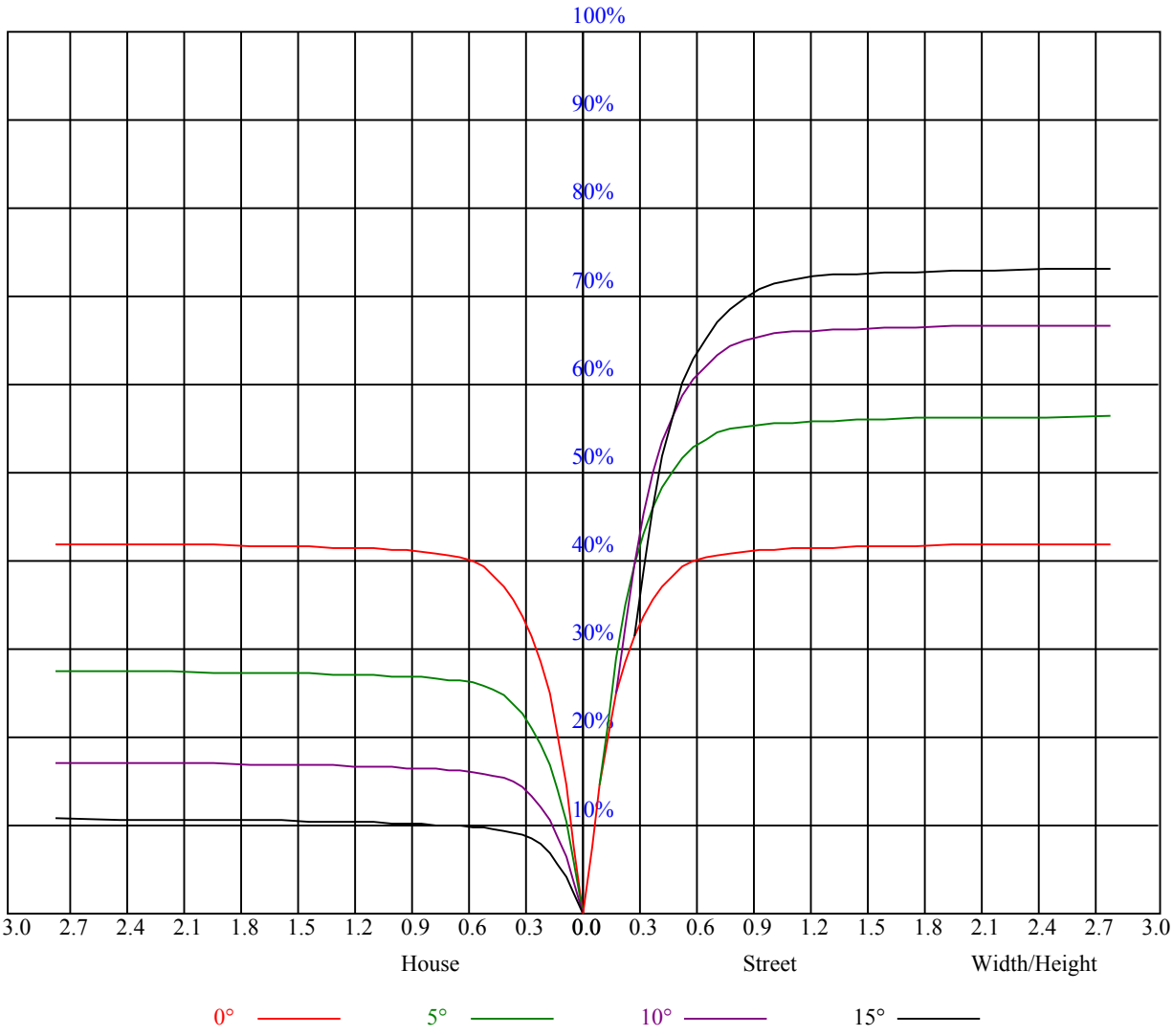


Equipment: GMS1980 Date: 2024/4/11 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

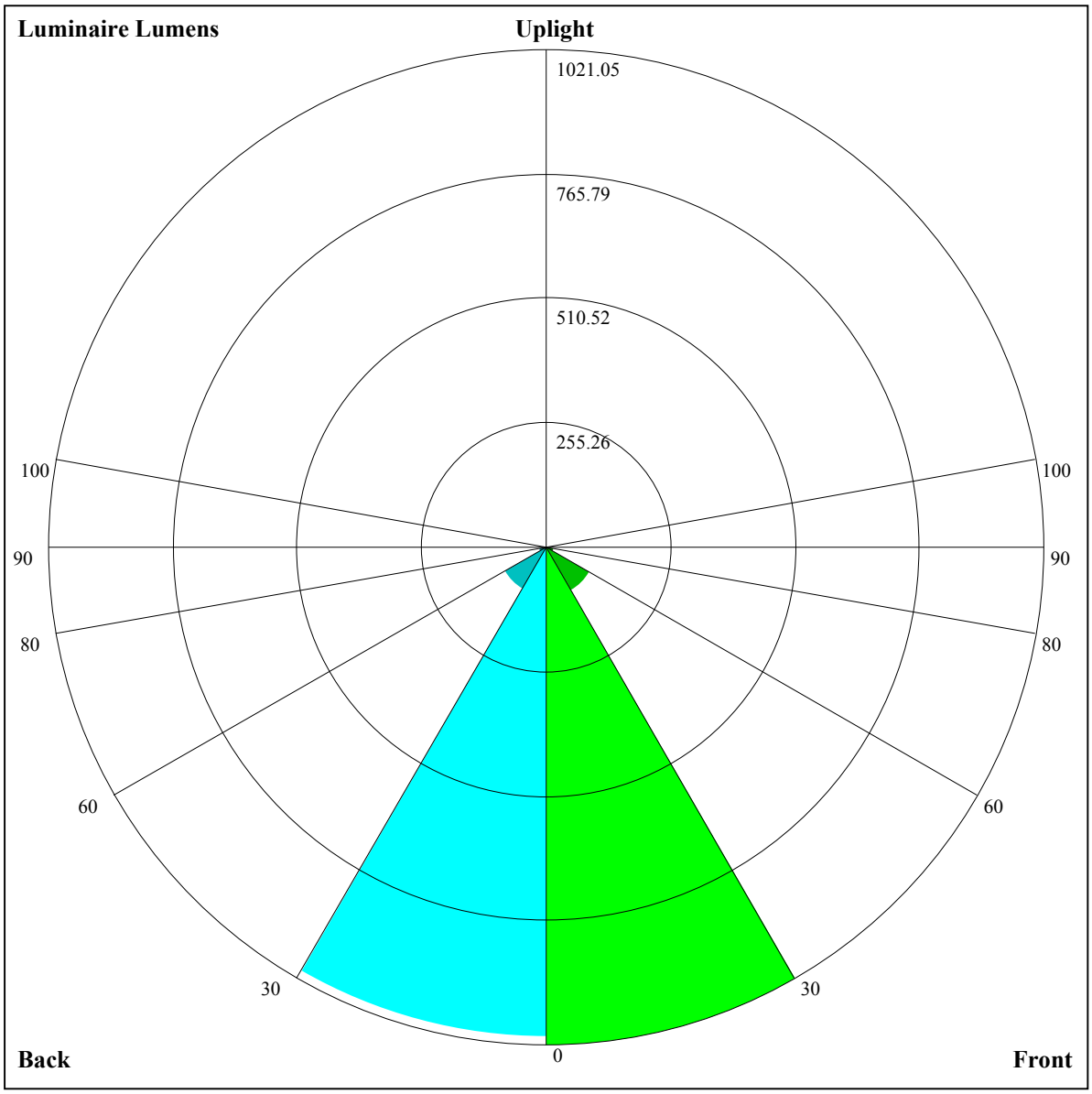
Utilization factor table for indoor luminaire

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	0.75	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	0.72	0.69	0.75	0.71	0.69	0.74	0.70	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.66
7	0.73	0.69	0.66	0.72	0.69	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	0.68	0.65	0.63	0.62
9	0.68	0.64	0.62	0.68	0.64	0.62	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	0.66	0.62	0.60	0.65	0.62	0.60	0.65	0.62	0.60	0.64	0.61	0.59	0.59

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/4/11	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1021.05,FM=102.65,FH=17.69,FVH=6.15
BL=1006.42,BM=100.47,BH=17.46,BVH=5.99
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	12591.70	12486.36	11656.57	11656.57	11186.63	10190.58	9246.61	8226.57	7206.52
45.0	12340.05	12615.11	12591.70	12328.35	11942.10	11403.69	10678.02	9571.94	8565.35
90.0	12603.41	12544.88	11675.88	11675.88	11224.67	10472.07	9593.65	8353.56	7337.61
135.0	12527.33	12562.44	12433.69	12070.85	11608.52	10988.18	10209.84	9062.79	8067.91
180.0	12591.70	12498.07	12164.49	11748.98	11181.31	10268.36	9367.11	8354.67	7336.38
225.0	12340.05	11623.80	11623.80	10826.72	10028.47	9086.26	7815.74	6798.03	5844.12
270.0	12603.41	12462.95	12164.49	11596.82	10970.63	10198.13	9285.18	7985.98	6961.84
315.0	12527.33	11616.19	11616.19	11321.24	10611.36	9733.52	8478.21	7441.19	6192.32
360.0	12591.70	12486.36	11656.57	11656.57	11186.63	10190.58	9246.61	8226.57	7206.52

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5976.38	5109.07	4365.84	3767.74	3184.27	2823.18	2529.40	2225.67	2027.28
45.0	7541.21	6534.62	5393.43	4615.08	3971.34	3450.49	2953.05	2953.05	2603.72
90.0	6345.07	5219.10	4462.40	3851.42	3364.52	2892.24	2589.68	2334.52	2117.99
135.0	7084.73	5902.58	5054.00	4176.17	3631.91	3181.28	2994.01	2994.01	2233.86
180.0	6160.08	5258.83	4509.74	3895.26	3292.48	2994.01	2994.01	2276.00	2067.66
225.0	4989.10	4129.99	3596.85	3166.13	2814.41	2459.17	2226.84	2027.86	1814.84
270.0	6043.03	5147.64	4240.54	3690.43	3228.10	3034.98	3034.98	2202.85	2014.99
315.0	5285.81	4522.68	3769.49	3297.80	2917.99	2538.18	2294.73	2085.22	1903.80
360.0	5976.38	5109.07	4365.84	3767.74	3184.27	2823.18	2529.40	2225.67	2027.28

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1859.90	1676.73	1541.54	1413.38	1159.21	1159.21	1083.19	1015.83	921.44
45.0	2106.87	1928.96	1739.93	1604.16	1474.24	1348.42	1213.82	1131.88	1058.73
90.0	1896.77	1745.20	1607.67	1443.81	1165.59	1165.59	1107.25	1037.31	960.94
135.0	2033.72	1862.24	1676.73	1540.96	1413.38	1293.99	1175.19	1099.11	1028.88
180.0	1895.60	1691.36	1559.68	1436.20	1276.43	1175.78	1099.70	1014.84	944.61
225.0	1665.61	1528.67	1282.29	1159.68	1159.68	1068.85	999.39	919.10	831.31
270.0	1847.03	1693.11	1530.42	1403.43	1282.87	1177.53	1079.80	1008.40	929.40
315.0	1708.92	1571.97	1441.47	1158.39	1158.39	1100.05	1031.28	938.29	853.32
360.0	1859.90	1676.73	1541.54	1413.38	1159.21	1159.21	1083.19	1015.83	921.44

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	836.23	746.57	657.68	545.66	458.06	370.86	269.85	202.43	145.02
45.0	983.24	870.87	777.82	687.11	597.57	486.97	400.94	299.11	299.11
90.0	852.85	762.55	672.48	581.60	470.81	385.72	304.67	232.92	163.51
135.0	929.40	839.27	723.40	632.69	544.32	455.95	350.02	309.64	309.64
180.0	857.41	772.56	684.19	563.63	476.43	388.06	306.72	306.72	160.64
225.0	718.54	627.48	536.07	446.23	360.62	261.77	195.06	141.16	120.67
270.0	846.29	733.93	639.71	522.66	434.88	351.19	311.40	311.40	145.31
315.0	742.30	652.29	561.82	472.86	366.18	286.12	216.01	162.34	125.06
360.0	836.23	746.57	657.68	545.66	458.06	370.86	269.85	202.43	145.02

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	122.31	109.91	97.50	88.66	80.41	72.68	64.14	58.35	53.26
45.0	211.56	131.62	117.81	106.39	96.45	84.80	76.43	68.94	62.38
90.0	132.20	117.10	102.53	92.58	81.23	73.09	65.84	59.46	52.79
135.0	148.65	117.69	105.11	94.86	85.91	75.61	68.24	60.22	54.72
180.0	124.30	110.43	97.03	87.67	78.71	70.46	63.15	55.48	50.33
225.0	108.73	96.50	87.61	79.06	69.47	62.79	57.18	51.09	46.88
270.0	122.78	107.62	97.97	89.25	80.76	71.10	64.26	58.46	53.43
315.0	111.37	101.36	93.11	83.22	75.49	66.89	60.80	55.48	49.74
360.0	122.31	109.91	97.50	88.66	80.41	72.68	64.14	58.35	53.26

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	48.75	43.95	40.67	37.81	34.70	32.54	30.61	28.56	27.10
45.0	55.36	50.50	46.35	41.84	38.80	36.11	33.07	31.13	29.09
90.0	48.16	44.24	40.85	37.34	34.88	32.71	30.49	28.97	27.56
135.0	49.98	44.83	41.38	38.33	35.00	32.71	30.78	29.20	27.56
180.0	46.00	42.31	38.45	35.82	33.53	31.13	29.44	27.62	26.39
225.0	43.31	40.15	37.45	34.59	32.54	30.67	28.73	27.33	25.87
270.0	47.99	44.30	41.08	37.69	35.29	32.71	30.96	29.32	27.56
315.0	45.82	42.37	39.33	36.11	33.83	31.84	29.61	28.15	26.80
360.0	48.75	43.95	40.67	37.81	34.70	32.54	30.61	28.56	27.10

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.87	24.64	23.76	23.06	22.53	21.95	21.54	21.24	20.95
45.0	27.56	26.28	25.22	24.05	23.35	22.77	22.30	21.83	21.54
90.0	26.04	25.05	24.11	23.41	22.88	22.47	22.12	21.71	21.42
135.0	26.39	25.40	24.52	23.58	22.88	22.36	21.83	21.42	21.07
180.0	25.34	24.11	23.35	22.65	22.12	21.54	21.24	20.95	20.66
225.0	24.87	23.99	23.12	22.53	22.12	21.71	21.30	20.95	20.48
270.0	26.39	25.34	24.46	23.70	22.88	22.41	22.06	21.65	21.19
315.0	25.69	24.52	23.64	23.00	22.30	21.89	21.36	20.95	20.60
360.0	25.87	24.64	23.76	23.06	22.53	21.95	21.54	21.24	20.95

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.37	19.84	19.20	18.32	17.62	16.68	16.15	15.63	15.16
45.0	21.19	20.83	20.19	19.49	18.73	18.02	17.26	16.50	15.98
90.0	21.01	20.54	19.72	19.08	18.26	17.38	16.68	15.98	15.57
135.0	20.72	20.31	19.78	18.96	18.26	17.56	16.80	16.04	15.57
180.0	20.19	19.66	19.02	18.14	17.44	16.74	15.98	15.45	14.92
225.0	19.96	19.25	18.43	17.67	16.91	16.27	15.68	15.33	14.98
270.0	20.78	20.01	19.37	18.38	17.73	16.97	16.39	15.80	15.39
315.0	20.01	19.25	18.61	17.79	17.09	16.33	15.80	15.33	14.86
360.0	20.37	19.84	19.20	18.32	17.62	16.68	16.15	15.63	15.16

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	14.63	14.34	14.05	13.75	13.52	13.34	13.17	12.93	12.64
45.0	15.51	15.39	16.44	17.44	18.49	19.96	21.54	20.54	18.90
90.0	15.16	14.75	14.81	15.63	15.45	14.86	14.28	13.81	13.28
135.0	15.10	14.69	14.28	13.99	13.64	13.34	13.05	12.70	12.47
180.0	14.57	14.22	13.93	13.58	13.34	13.11	12.87	12.70	12.35
225.0	14.81	15.27	15.92	17.32	18.26	18.61	17.50	16.15	13.11
270.0	15.22	16.27	18.20	19.25	19.02	18.26	17.38	16.85	15.74
315.0	14.46	14.16	13.81	13.52	13.34	13.05	12.87	12.58	12.35
360.0	14.63	14.34	14.05	13.75	13.52	13.34	13.17	12.93	12.64

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.35	11.88	11.59	11.53	11.53	10.42	10.18	10.01	9.83
45.0	15.22	12.64	11.59	11.35	11.12	10.94	10.42	10.12	9.95
90.0	12.29	11.70	11.35	11.00	10.83	10.42	10.24	10.01	9.89
135.0	12.17	11.88	11.65	11.35	11.06	10.59	10.36	10.18	10.12
180.0	12.11	11.59	11.29	11.12	10.48	10.24	10.01	10.01	9.71
225.0	11.65	11.29	11.00	10.77	10.36	10.07	9.95	9.71	9.89
270.0	13.93	12.00	11.29	11.06	10.83	10.48	10.12	10.07	9.83
315.0	12.00	11.65	11.41	11.06	10.94	10.30	10.12	9.89	9.95
360.0	12.35	11.88	11.59	11.53	11.53	10.42	10.18	10.01	9.83

Intensity data(cd)

C/γ(°)	90.0
0.0	9.83
45.0	9.83
90.0	9.77
135.0	9.83
180.0	9.89
225.0	9.83
270.0	9.95
315.0	9.95
360.0	9.83