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NT

Client:
LumCAT: 2-2755-L
Luminaire: 92.70.412.00
Report No: 2024806-B014
Ballast type: AC

Test No: 2024806-C014	Voltage(V): 34.950
LampCAT: CITIZEN CLU038 LES14.5	Current(A): 0.450
Lamp flux(lm): 2571.0	Power (W): 15.727
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2431.18, Efficiency(%): 94.56% , Luminous Efficacy(lm/W): 154.59
Central intensity(cd): 9161.902, Maximum intensity(cd): 9161.902
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=23.8
[C90/270]Total=23.8
Field angle(10%Imax): [C0/180]Total=54.6
[C90/270]Total=54.6
Maximum s/h(1/2): C0_180=0.40 C90_270=0.40
Maximum s/h(1/4): C0_180=0.42 C90_270=0.42
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.56%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.850%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9161.902	0.000	0	0.00%	0.00%
1.0	9113.036	8.744	8.744	0.34%	0.36%
2.0	8963.072	25.945	34.689	1.01%	1.43%
3.0	8729.714	42.315	77.004	1.65%	3.17%
4.0	8393.209	57.316	134.32	2.23%	5.52%
5.0	8001.620	70.530	204.85	2.74%	8.43%
6.0	7553.631	81.747	286.597	3.18%	11.79%
7.0	7105.934	90.992	377.588	3.54%	15.53%
8.0	6597.300	98.071	475.66	3.81%	19.56%
9.0	6111.636	102.999	578.659	4.01%	23.80%
10.0	5563.646	105.657	684.316	4.11%	28.15%
11.0	5060.499	106.157	790.473	4.13%	32.51%
12.0	4527.213	104.807	895.28	4.08%	36.82%
13.0	4035.112	101.613	996.894	3.95%	41.00%
14.0	3595.827	97.675	1094.569	3.80%	45.02%
15.0	3178.489	93.001	1187.57	3.62%	48.85%
16.0	2802.408	87.637	1275.207	3.41%	52.45%
17.0	2457.711	81.914	1357.121	3.19%	55.82%
18.0	2190.995	76.647	1433.768	2.98%	58.97%
19.0	1958.880	72.199	1505.967	2.81%	61.94%
20.0	1773.656	68.316	1574.283	2.66%	64.75%
21.0	1603.356	64.845	1639.128	2.52%	67.42%
22.0	1456.610	61.491	1700.62	2.39%	69.95%
23.0	1289.324	57.617	1758.237	2.24%	72.32%
24.0	1232.264	55.131	1813.368	2.14%	74.59%
25.0	1138.738	53.911	1867.279	2.10%	76.81%
26.0	1036.068	51.337	1918.616	2.00%	78.92%
27.0	941.093	48.372	1966.987	1.88%	80.91%
28.0	845.511	45.233	2012.22	1.76%	82.77%
29.0	752.365	41.805	2054.025	1.63%	84.49%
30.0	653.126	37.948	2091.973	1.48%	86.05%
31.0	564.318	33.880	2125.853	1.32%	87.44%
32.0	479.226	29.896	2155.749	1.16%	88.67%
33.0	404.412	26.032	2181.782	1.01%	89.74%
34.0	341.676	22.579	2204.361	0.88%	90.67%
35.0	290.250	19.625	2223.986	0.76%	91.48%
36.0	263.739	17.639	2241.625	0.69%	92.20%
37.0	240.791	16.455	2258.08	0.64%	92.88%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	181.105	14.082	2272.162	0.55%	93.46%
39.0	152.846	11.399	2283.561	0.44%	93.93%
40.0	130.644	9.887	2293.448	0.38%	94.33%
41.0	110.886	8.601	2302.049	0.33%	94.69%
42.0	95.355	7.493	2309.542	0.29%	95.00%
43.0	81.719	6.559	2316.101	0.26%	95.27%
44.0	71.076	5.767	2321.868	0.22%	95.50%
45.0	62.853	5.147	2327.015	0.20%	95.72%
46.0	56.862	4.682	2331.697	0.18%	95.91%
47.0	52.019	4.330	2336.027	0.17%	96.09%
48.0	48.274	4.054	2340.082	0.16%	96.25%
49.0	45.216	3.839	2343.921	0.15%	96.41%
50.0	42.846	3.672	2347.593	0.14%	96.56%
51.0	40.673	3.534	2351.126	0.14%	96.71%
52.0	38.778	3.409	2354.536	0.13%	96.85%
53.0	37.213	3.306	2357.841	0.13%	96.98%
54.0	35.962	3.225	2361.066	0.13%	97.12%
55.0	34.799	3.159	2364.225	0.12%	97.25%
56.0	33.541	3.088	2367.313	0.12%	97.37%
57.0	32.290	3.010	2370.323	0.12%	97.50%
58.0	31.127	2.933	2373.256	0.11%	97.62%
59.0	30.168	2.866	2376.121	0.11%	97.74%
60.0	29.093	2.800	2378.921	0.11%	97.85%
61.0	27.740	2.712	2381.633	0.11%	97.96%
62.0	26.320	2.605	2384.238	0.10%	98.07%
63.0	25.296	2.510	2386.748	0.10%	98.17%
64.0	24.331	2.435	2389.184	0.09%	98.27%
65.0	23.329	2.359	2391.542	0.09%	98.37%
66.0	22.173	2.270	2393.812	0.09%	98.46%
67.0	21.112	2.176	2395.989	0.08%	98.55%
68.0	20.329	2.099	2398.088	0.08%	98.64%
69.0	19.525	2.033	2400.121	0.08%	98.72%
70.0	18.617	1.959	2402.08	0.08%	98.80%
71.0	17.725	1.878	2403.959	0.07%	98.88%
72.0	17.030	1.807	2405.766	0.07%	98.95%
73.0	16.438	1.750	2407.516	0.07%	99.03%
74.0	15.874	1.699	2409.215	0.07%	99.10%
75.0	15.318	1.648	2410.863	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.806	1.599	2412.462	0.06%	99.23%
77.0	14.382	1.556	2414.018	0.06%	99.29%
78.0	14.002	1.519	2415.537	0.06%	99.36%
79.0	13.592	1.483	2417.02	0.06%	99.42%
80.0	13.204	1.445	2418.465	0.06%	99.48%
81.0	12.853	1.409	2419.874	0.05%	99.53%
82.0	12.502	1.375	2421.249	0.05%	99.59%
83.0	12.180	1.342	2422.59	0.05%	99.65%
84.0	11.887	1.311	2423.902	0.05%	99.70%
85.0	11.580	1.281	2425.182	0.05%	99.75%
86.0	11.273	1.249	2426.432	0.05%	99.80%
87.0	11.046	1.221	2427.653	0.05%	99.85%
88.0	10.819	1.198	2428.851	0.05%	99.90%
89.0	10.607	1.174	2430.025	0.05%	99.95%
90.0	10.497	1.157	2431.182	0.05%	100.00%

Zonal flux distribution table

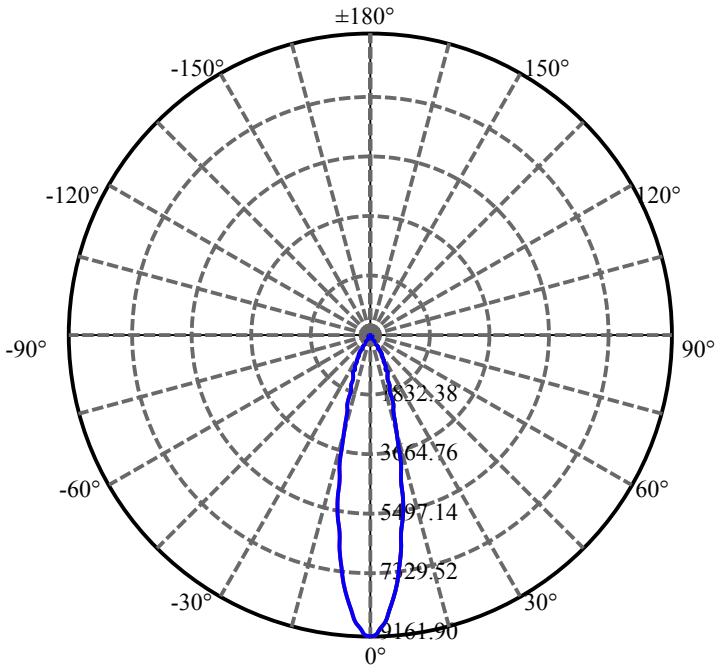
ZONAL LUMEN SUMMARY

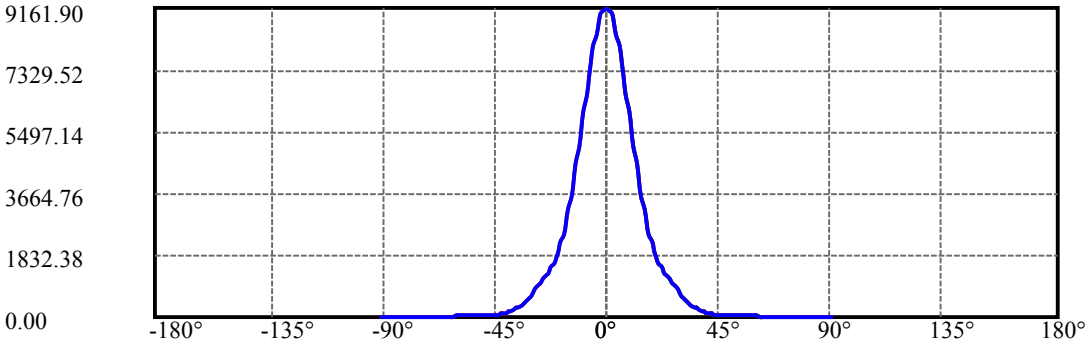
Zone	Lumens	%Lamp	%Fixt
0-30	2091.97	81.37%	86.05%
0-40	2293.45	89.20%	94.33%
0-60	2378.92	92.53%	97.85%
0-90	2430.03	94.52%	99.95%
0-120	2430.03	94.52%	99.95%
0-180	2431.18	94.56%	100.00%
60-90	51.10	1.99%	2.10%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.54	1944.95	75.65%	80.00%

ZONAL LUMEN SUMMARY

0-10	684.32
10-20	889.97
20-30	517.69
30-40	201.47
40-50	54.14
50-60	31.33
60-70	23.16
70-80	16.38
80-90	11.56
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):

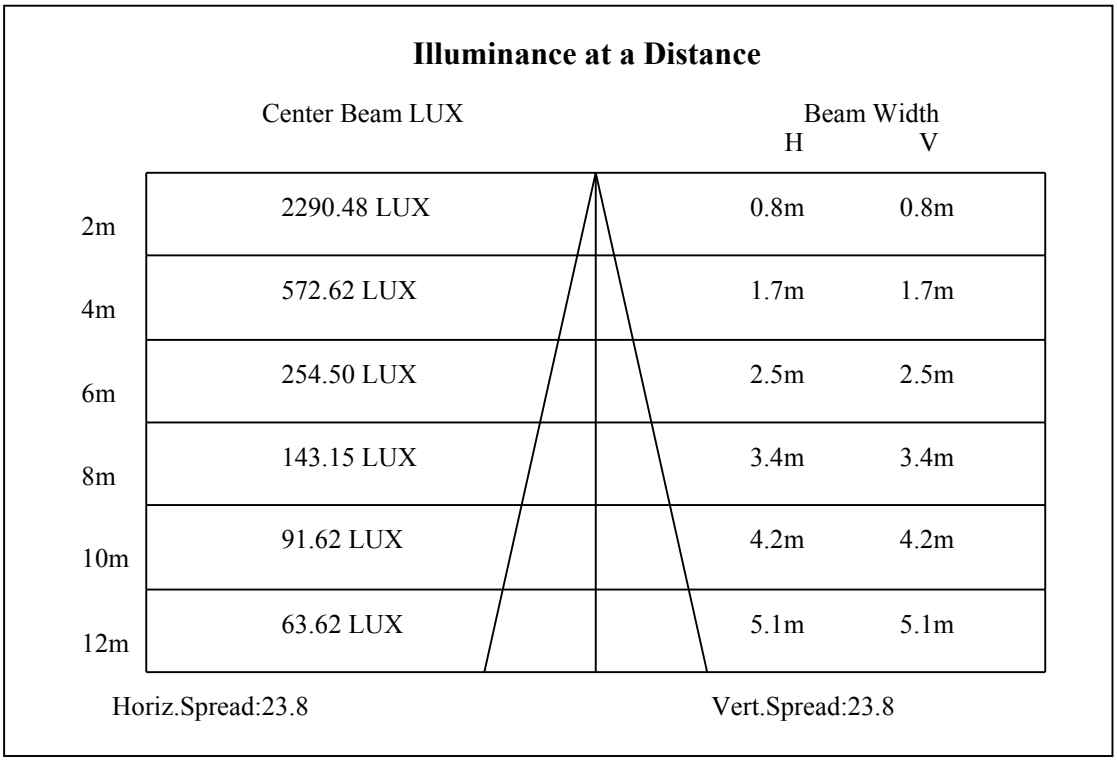
C0/C180:

C90/C270:

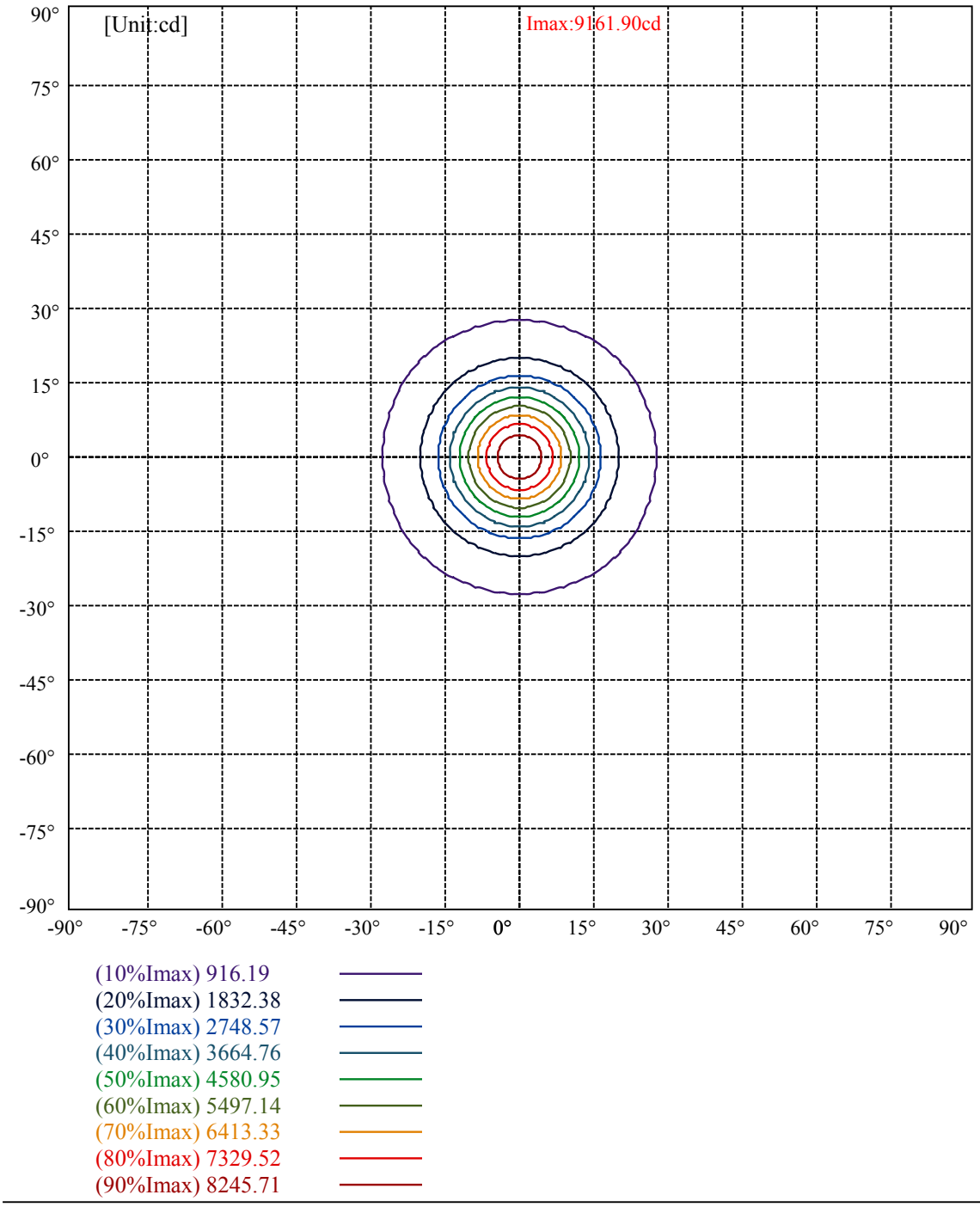
Field angle(10%Imax):C0/180Left:27.3 Right:27.3
:C90/270Left:27.3 Right:27.3

Beam Angle(50%Imax):C0/180Left:11.9 Right:11.9
:C90/270Left:11.9 Right:11.9

Lux distance Curve



ISO-Intensity(V-H)

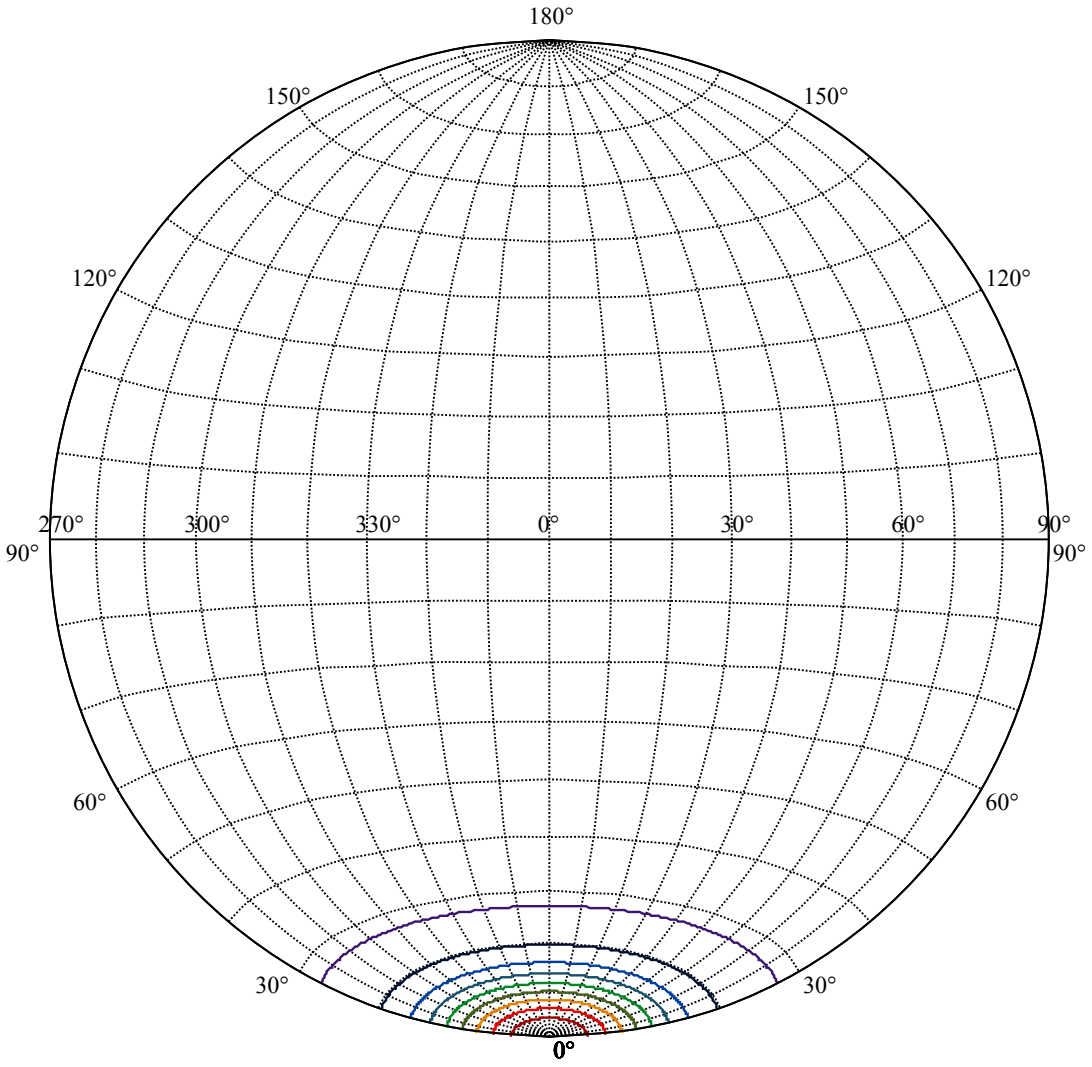


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/6
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



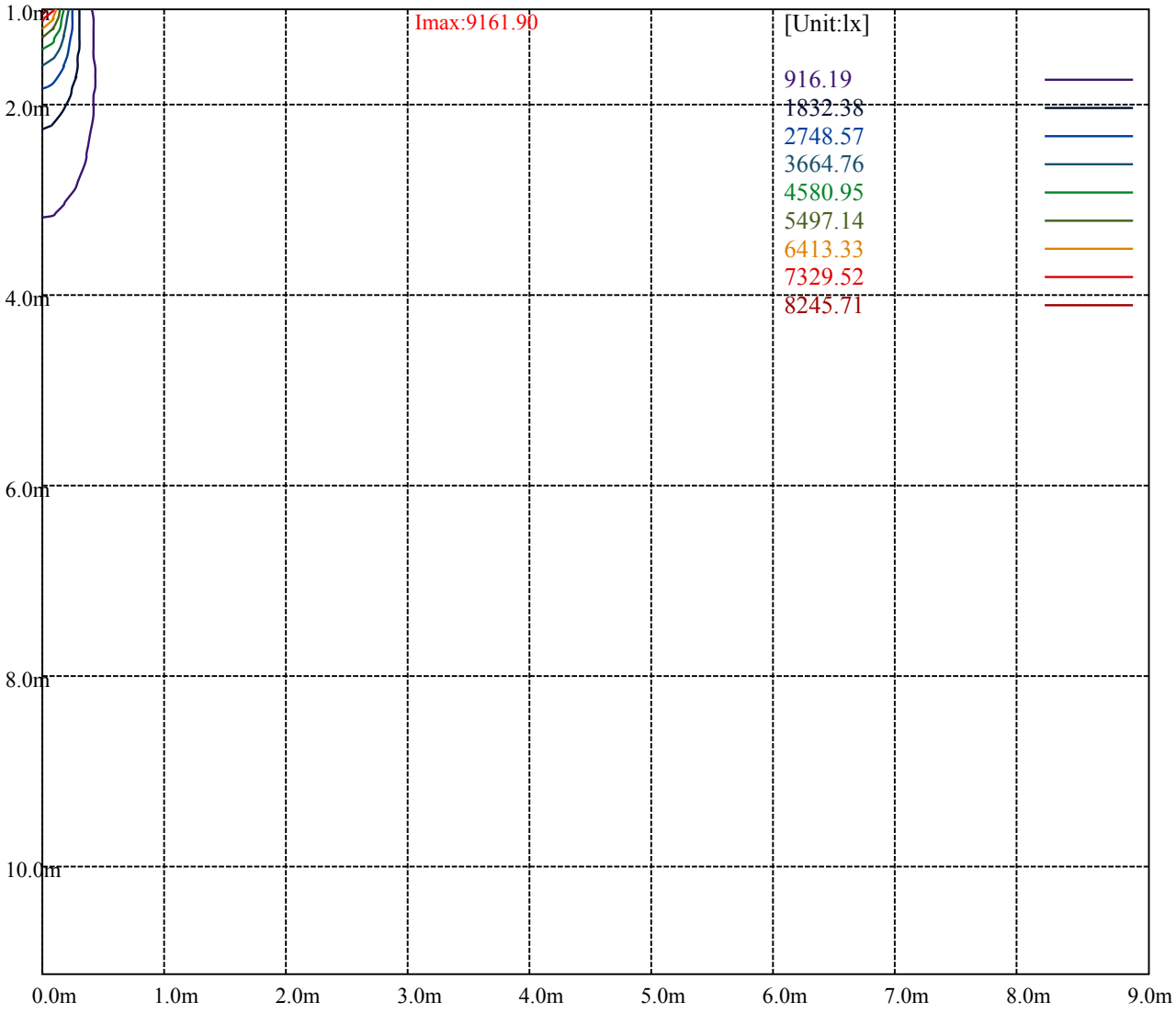
[Unit:cd]

Imax:9161.90

(10%Imax) 916.19
(20%Imax) 1832.38
(30%Imax) 2748.57
(40%Imax) 3664.76
(50%Imax) 4580.95
(60%Imax) 5497.14
(70%Imax) 6413.33
(80%Imax) 7329.52
(90%Imax) 8245.71

Equipment: GMS1980	Date: 2024/8/6	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/6
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

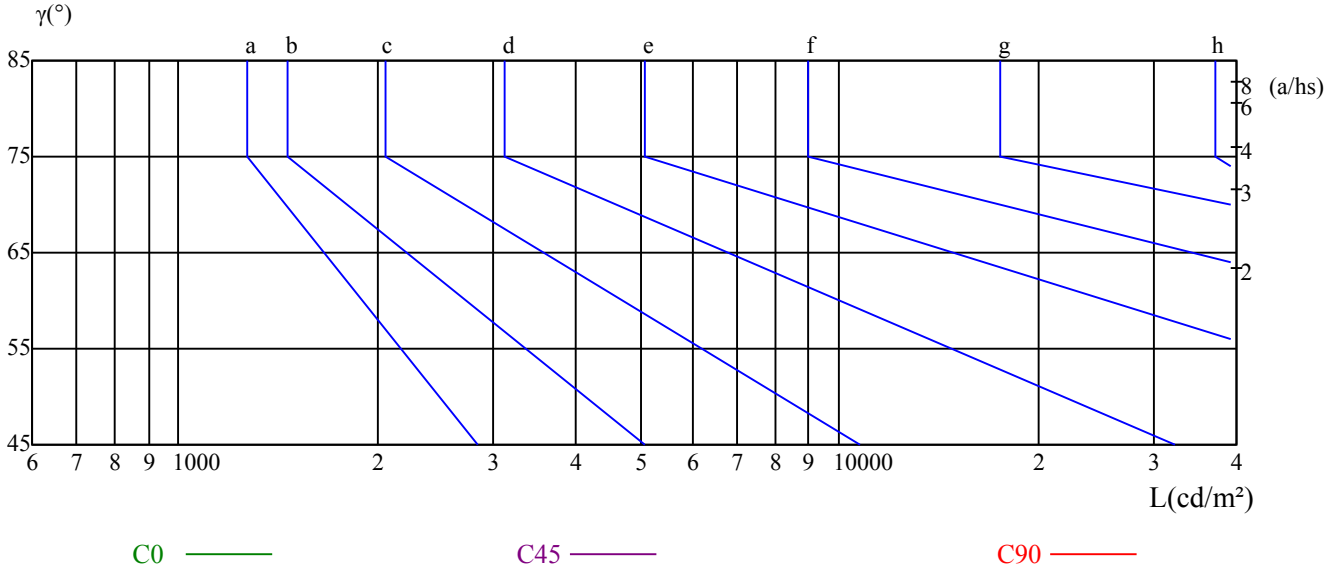
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

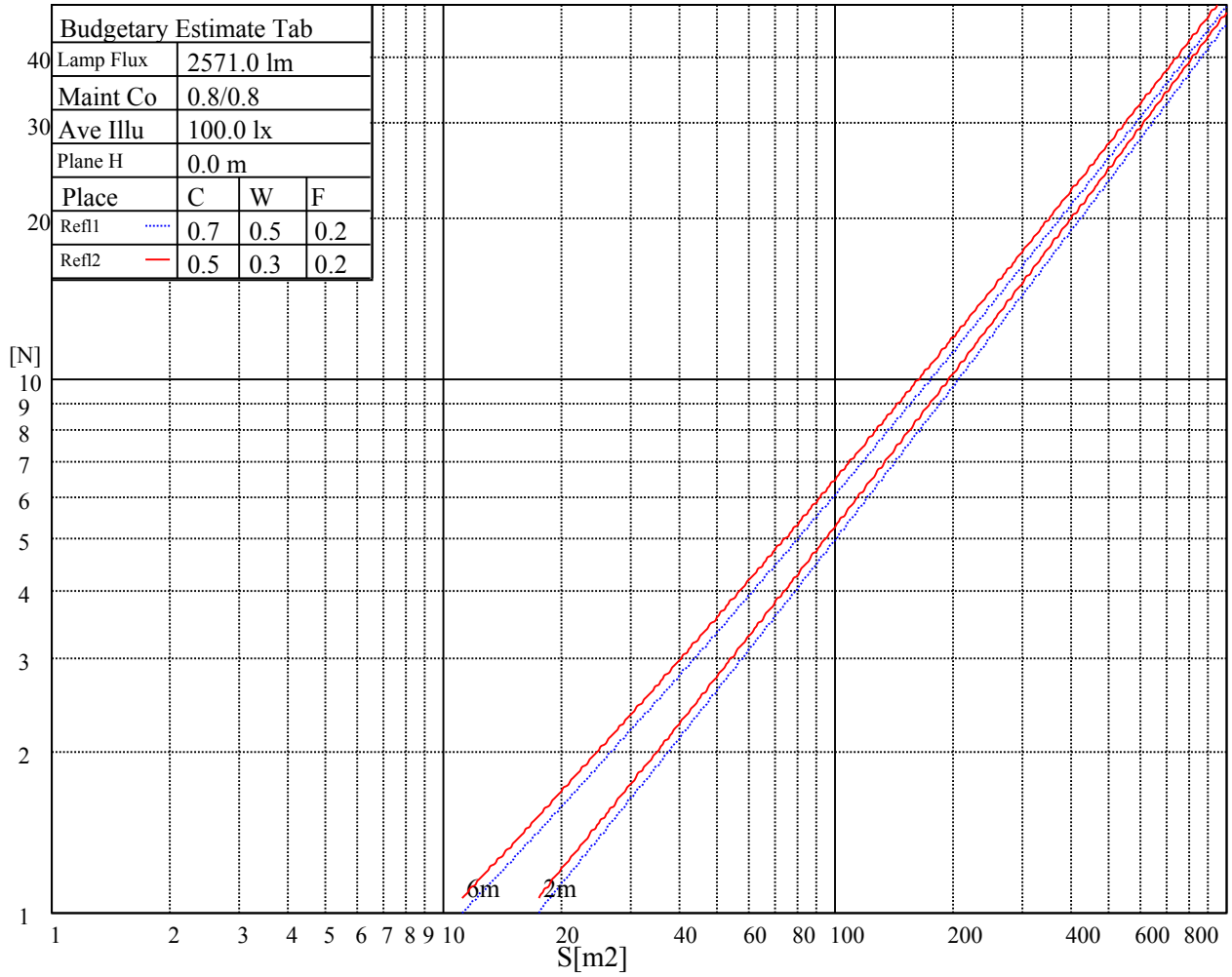
Luminance Limitting Curve



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

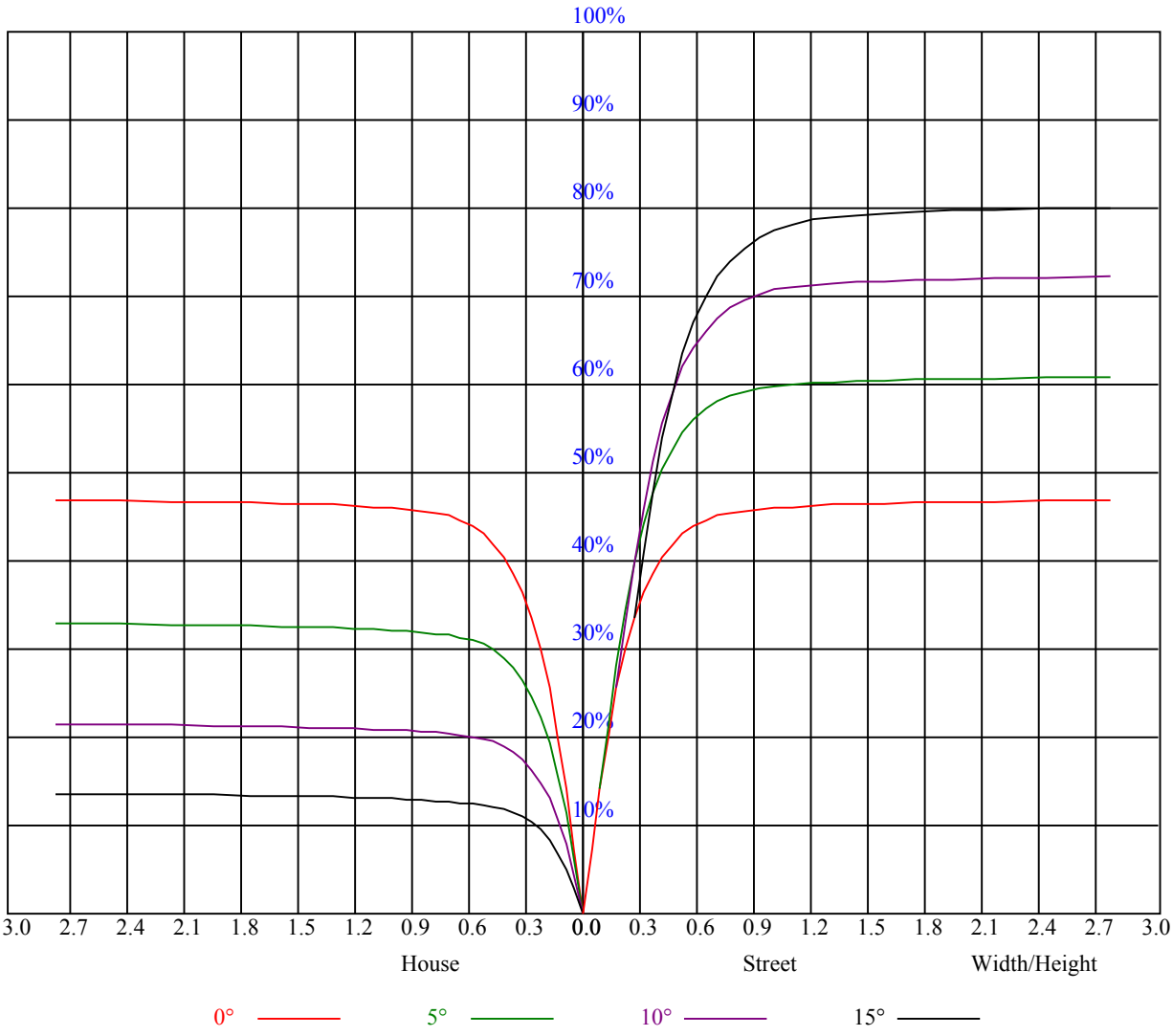


Equipment: GMS1980 Date: 2024/8/6 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

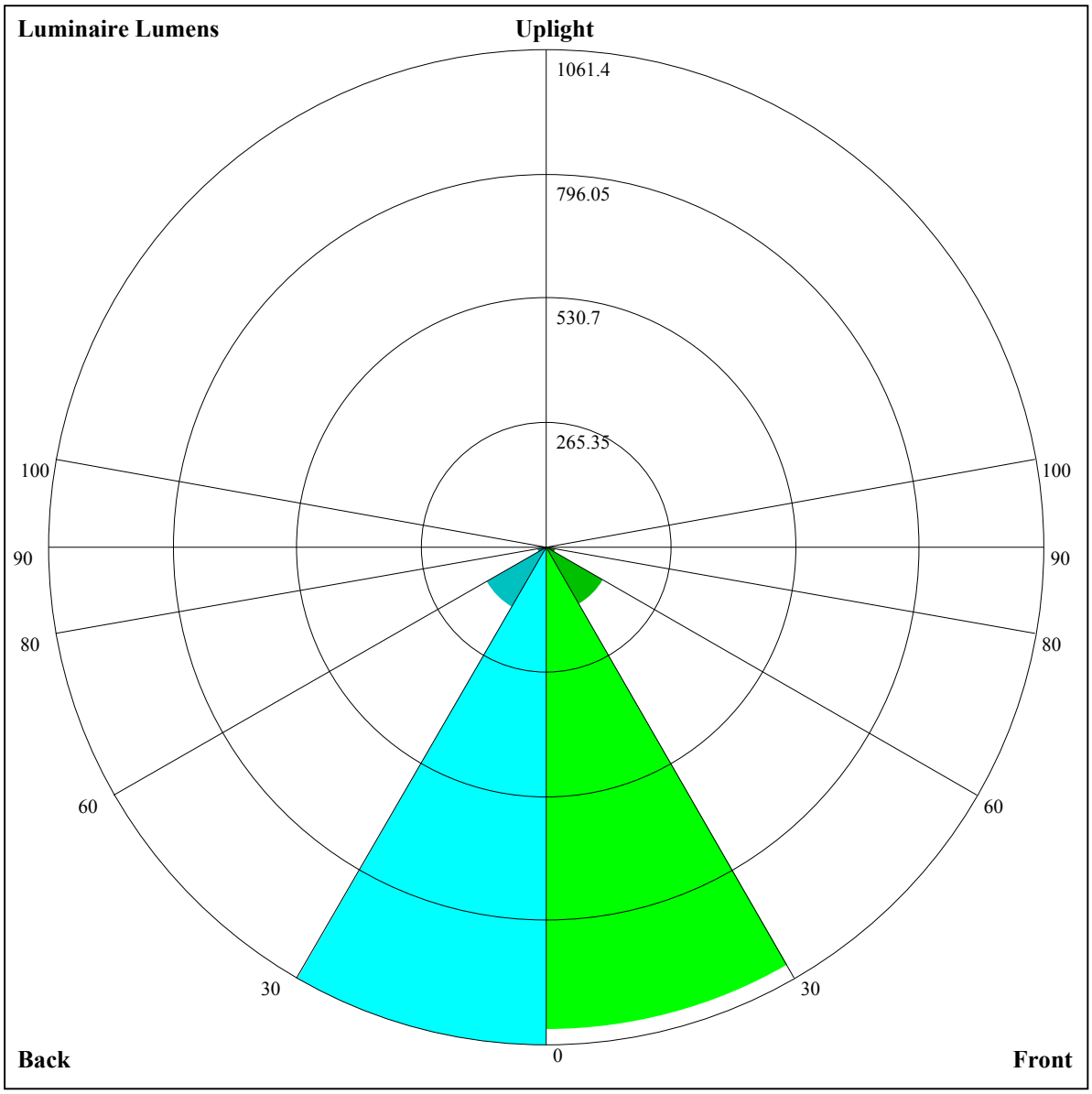
Utilization factor table for indoor luminaire

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	1.13	1.13	1.13	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.96	0.96	0.96	0.95
1	1.06	1.03	1.02	1.04	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90
2	1.00	0.96	0.93	0.98	0.95	0.92	0.95	0.93	0.90	0.92	0.90	0.88	0.90	0.88	0.87	0.85
3	0.94	0.90	0.87	0.93	0.89	0.86	0.91	0.88	0.85	0.88	0.86	0.84	0.86	0.84	0.83	0.81
4	0.90	0.85	0.82	0.89	0.85	0.82	0.87	0.83	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.78
5	0.86	0.81	0.78	0.85	0.81	0.77	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.78	0.76	0.74
6	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.71
7	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.69
8	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.73	0.69	0.67	0.66
9	0.73	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.64
10	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.62

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/8/6	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1030.06,FM=141.29,FH=19.68,FVH=6.33
BL=1061.4,BM=147.97,BH=19.81,BVH=6.38
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	9157.07	9042.37	8870.31	8518.59	8172.73	7761.31	7229.34	6786.91	6321.66
45.0	9166.44	9169.36	9098.55	8904.26	8624.52	8289.77	7901.18	7365.12	6940.24
90.0	9158.24	9080.41	8842.81	8586.48	8248.80	7872.51	7365.70	6944.34	6465.04
135.0	9165.85	9179.90	9089.77	8951.07	8623.35	8283.92	7901.18	7496.79	6973.01
180.0	9157.07	9161.17	9067.53	8890.80	8565.41	8218.37	7824.52	7393.21	6828.46
225.0	9166.44	9066.36	8843.98	8566.00	8222.47	7740.24	7308.35	6858.31	6268.40
270.0	9158.24	9171.12	9065.19	8876.75	8590.58	8165.70	7784.72	7349.31	6795.11
315.0	9165.85	9033.59	8826.42	8543.76	8097.82	7681.14	7114.05	6653.48	6186.47
360.0	9157.07	9042.37	8870.31	8518.59	8172.73	7761.31	7229.34	6786.91	6321.66

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5724.73	5238.99	4761.45	4293.27	3744.91	3329.40	2957.20	2621.87	2268.98
45.0	6497.81	5918.44	5418.07	4829.34	4360.57	3923.99	3501.46	3011.04	2671.61
90.0	5974.04	5364.23	4869.13	4266.93	3821.58	3413.68	2955.44	2620.11	2331.59
135.0	6518.29	6028.46	5415.15	4929.99	4338.92	3887.12	3462.83	3080.10	2664.00
180.0	6383.11	5882.74	5386.47	4775.49	4326.63	3791.15	3382.07	3014.55	2603.14
225.0	5765.70	5152.96	4677.18	4227.72	3798.75	3383.24	2917.41	2603.14	2324.57
270.0	6330.44	5838.85	5345.50	4735.70	4271.03	3816.31	3396.12	2931.45	2604.31
315.0	5698.98	5084.49	4611.05	4159.25	3618.50	3221.72	2855.37	2537.01	2193.48
360.0	5724.73	5238.99	4761.45	4293.27	3744.91	3329.40	2957.20	2621.87	2268.98

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2039.57	1807.23	1651.56	1514.04	1368.90	1145.46	1145.46	1076.99	962.75
45.0	2381.34	2137.30	1889.75	1720.03	1579.00	1428.59	1313.89	1217.33	1095.01
90.0	2038.40	1850.54	1690.19	1555.59	1409.87	1155.70	1155.70	1113.21	1003.95
135.0	2384.85	2146.66	1938.32	1724.72	1591.29	1474.83	1363.05	1245.42	1154.71
180.0	2321.06	2085.22	1885.65	1679.65	1538.62	1416.30	1308.62	1190.99	1096.77
225.0	2083.46	1836.49	1670.88	1537.44	1390.55	1163.02	1163.02	1071.14	981.19
270.0	2310.53	2023.77	1836.49	1632.25	1495.31	1377.09	1275.85	1155.29	1067.51
315.0	1968.76	1783.82	1626.40	1463.12	1279.36	1153.60	1132.53	1039.54	926.65
360.0	2039.57	1807.23	1651.56	1514.04	1368.90	1145.46	1145.46	1076.99	962.75

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	873.92	783.97	697.35	588.50	504.64	431.37	369.16	305.78	263.76
45.0	1004.30	887.26	799.48	711.69	625.08	520.32	443.07	379.87	327.78
90.0	915.64	827.10	722.99	633.33	547.19	448.34	380.86	325.79	270.43
135.0	1037.08	945.20	853.90	743.29	652.58	565.97	465.90	397.43	340.07
180.0	1004.89	893.11	803.57	691.79	602.26	517.98	441.90	361.73	310.81
225.0	873.80	784.08	695.54	608.34	501.13	423.76	361.14	308.71	256.74
270.0	980.31	896.04	787.77	698.82	611.62	526.18	430.20	368.17	304.38
315.0	838.80	747.33	658.32	549.23	470.05	399.88	343.06	285.94	248.02
360.0	873.92	783.97	697.35	588.50	504.64	431.37	369.16	305.78	263.76

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	227.07	189.14	162.40	133.96	115.11	99.72	86.55	73.15	64.96
45.0	304.38	304.38	202.20	173.52	149.23	123.66	107.45	90.18	78.65
90.0	233.62	202.72	174.63	144.67	124.59	108.33	94.57	79.36	69.88
135.0	303.79	303.79	205.36	175.98	150.05	123.19	105.93	92.11	76.90
180.0	300.28	300.28	189.96	163.80	140.63	120.61	100.13	86.96	75.55
225.0	221.45	191.78	165.38	136.30	117.28	101.71	85.50	74.79	64.20
270.0	304.38	254.34	193.48	160.41	137.12	113.36	98.38	85.44	74.67
315.0	214.95	179.90	155.44	134.13	111.13	96.50	84.33	71.75	63.79
360.0	227.07	189.14	162.40	133.96	115.11	99.72	86.55	73.15	64.96

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	58.58	53.84	49.10	46.12	43.83	41.61	39.33	37.75	36.17
45.0	69.41	60.92	55.89	51.79	47.64	45.00	42.78	40.79	38.57
90.0	62.38	55.36	50.97	47.46	44.07	41.73	39.39	37.51	36.28
135.0	67.36	60.34	53.61	49.04	45.65	42.66	40.38	38.39	36.81
180.0	64.67	58.58	53.72	48.98	45.88	43.13	41.02	39.27	37.57
225.0	57.94	53.43	49.39	46.00	43.77	41.90	40.15	38.16	36.87
270.0	64.37	58.52	54.07	50.39	46.70	44.48	42.49	40.20	38.57
315.0	58.11	53.90	49.39	46.41	44.18	42.25	39.85	38.16	36.87
360.0	58.58	53.84	49.10	46.12	43.83	41.61	39.33	37.75	36.17

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	35.17	34.35	32.95	31.84	31.08	30.14	29.09	27.51	26.39
45.0	37.16	35.99	34.94	33.42	32.13	31.13	29.96	28.91	26.98
90.0	35.23	33.83	32.60	31.37	30.43	29.26	28.15	26.74	25.40
135.0	35.35	34.65	33.53	32.54	31.19	30.43	29.44	28.32	26.92
180.0	35.99	34.88	33.77	32.77	31.43	30.67	29.67	28.62	26.98
225.0	35.99	34.47	33.07	31.84	30.72	29.79	28.62	26.86	25.81
270.0	37.16	35.70	34.53	32.95	31.49	30.55	29.61	28.32	26.45
315.0	35.64	34.53	32.95	31.60	30.55	29.38	28.21	26.63	25.63
360.0	35.17	34.35	32.95	31.84	31.08	30.14	29.09	27.51	26.39

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.40	24.46	23.47	22.36	21.30	20.60	19.66	18.61	17.91
45.0	25.98	25.16	24.23	22.82	21.71	20.89	20.25	19.31	18.26
90.0	24.52	23.58	22.24	21.19	20.42	19.55	18.73	17.85	17.15
135.0	25.63	24.81	23.99	22.88	21.48	20.66	19.96	19.25	18.14
180.0	25.93	24.76	23.88	22.88	21.65	20.89	20.13	19.31	18.26
225.0	24.93	23.76	22.71	21.59	20.78	19.90	19.08	18.08	17.26
270.0	25.52	24.64	23.70	22.30	21.19	20.48	19.55	18.84	17.73
315.0	24.46	23.47	22.41	21.36	20.37	19.66	18.84	17.67	17.09
360.0	25.40	24.46	23.47	22.36	21.30	20.60	19.66	18.61	17.91

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.15	16.62	16.09	15.45	14.92	14.46	14.10	13.69	13.17
45.0	17.44	16.74	16.21	15.68	14.98	14.57	14.22	13.75	13.34
90.0	16.39	15.86	15.39	14.92	14.40	14.05	13.69	13.23	12.87
135.0	17.38	16.80	16.15	15.68	15.16	14.69	14.28	13.87	13.52
180.0	17.62	17.03	16.44	15.80	15.33	14.86	14.34	13.99	13.64
225.0	16.68	16.15	15.45	14.92	14.51	14.05	13.69	13.34	12.99
270.0	17.09	16.50	15.98	15.27	14.81	14.46	14.10	13.64	13.34
315.0	16.50	15.80	15.27	14.81	14.34	13.93	13.58	13.23	12.76
360.0	17.15	16.62	16.09	15.45	14.92	14.46	14.10	13.69	13.17

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.87	12.47	12.17	11.88	11.65	11.41	11.18	10.94	10.53
45.0	12.99	12.58	12.29	12.00	11.65	11.41	11.18	10.94	10.71
90.0	12.52	12.23	11.94	11.65	11.29	11.00	10.83	10.59	10.48
135.0	13.17	12.76	12.41	12.11	11.82	11.41	11.12	10.89	10.71
180.0	13.23	12.93	12.47	12.23	11.88	11.47	11.29	11.06	10.77
225.0	12.58	12.29	12.06	11.70	11.41	11.18	10.94	10.71	10.53
270.0	12.99	12.58	12.29	11.94	11.65	11.29	11.06	10.83	10.65
315.0	12.47	12.17	11.82	11.59	11.29	11.00	10.77	10.59	10.48
360.0	12.87	12.47	12.17	11.88	11.65	11.41	11.18	10.94	10.53

Intensity data(cd)

C/γ(°)	90.0
0.0	10.53
45.0	10.48
90.0	10.42
135.0	10.53
180.0	10.53
225.0	10.48
270.0	10.53
315.0	10.48
360.0	10.53