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NT

Client:
LumCAT: 1-1207-L
Luminaire: 92.70.427.00
Report No: 2024617-B013
Ballast type: AC

Test No: 2024717-C013	Voltage(V): 35.390
LampCAT: CITIZEN CLU028 LES9.8	Current(A): 0.360
Lamp flux(lm): 1630.0	Power (W): 12.740
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1480.42, Efficiency(%): 90.82% , Luminous Efficacy(lm/W): 116.20
Central intensity(cd): 4887.565, Maximum intensity(cd): 4887.565
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=27.4
[C90/270]Total=27.4
Field angle(10%Imax): [C0/180]Total=57.8
[C90/270]Total=57.8
Maximum s/h(1/2): C0_180=0.46 C90_270=0.46
Maximum s/h(1/4): C0_180=0.45 C90_270=0.45
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 90.82%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.048%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4887.565	0.000	0	0.00%	0.00%
1.0	4870.886	4.669	4.669	0.29%	0.32%
2.0	4829.628	13.923	18.592	0.85%	1.26%
3.0	4766.204	22.950	41.542	1.41%	2.81%
4.0	4670.520	31.588	73.13	1.94%	4.94%
5.0	4536.211	39.607	112.737	2.43%	7.62%
6.0	4390.709	46.913	159.65	2.88%	10.78%
7.0	4198.243	53.311	212.962	3.27%	14.39%
8.0	3978.564	58.520	271.482	3.59%	18.34%
9.0	3747.254	62.614	334.095	3.84%	22.57%
10.0	3505.117	65.631	399.727	4.03%	27.00%
11.0	3221.210	67.210	466.936	4.12%	31.54%
12.0	2942.716	67.381	534.317	4.13%	36.09%
13.0	2650.250	66.374	600.691	4.07%	40.58%
14.0	2360.490	64.137	664.828	3.93%	44.91%
15.0	2096.481	61.187	726.016	3.75%	49.04%
16.0	1840.591	57.689	783.705	3.54%	52.94%
17.0	1511.761	52.205	835.91	3.20%	56.46%
18.0	1355.110	47.268	883.178	2.90%	59.66%
19.0	1232.542	45.020	928.198	2.76%	62.70%
20.0	1103.047	42.748	970.946	2.62%	65.59%
21.0	993.463	40.257	1011.203	2.47%	68.30%
22.0	908.715	38.225	1049.428	2.35%	70.89%
23.0	834.487	36.577	1086.005	2.24%	73.36%
24.0	771.546	35.114	1121.119	2.15%	75.73%
25.0	712.307	33.740	1154.859	2.07%	78.01%
26.0	656.476	32.310	1187.169	1.98%	80.19%
27.0	597.939	30.690	1217.859	1.88%	82.26%
28.0	541.406	28.846	1246.704	1.77%	84.21%
29.0	481.157	26.753	1273.457	1.64%	86.02%
30.0	417.507	24.264	1297.721	1.49%	87.66%
31.0	354.595	21.486	1319.208	1.32%	89.11%
32.0	300.974	18.781	1337.989	1.15%	90.38%
33.0	257.938	16.466	1354.455	1.01%	91.49%
34.0	219.628	14.453	1368.907	0.89%	92.47%
35.0	167.294	12.016	1380.924	0.74%	93.28%
36.0	125.319	9.317	1390.24	0.57%	93.91%
37.0	99.240	7.324	1397.564	0.45%	94.40%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	78.705	5.940	1403.504	0.36%	94.80%
39.0	64.521	4.889	1408.393	0.30%	95.13%
40.0	53.387	4.112	1412.505	0.25%	95.41%
41.0	46.094	3.542	1416.047	0.22%	95.65%
42.0	40.629	3.151	1419.198	0.19%	95.86%
43.0	35.999	2.839	1422.037	0.17%	96.06%
44.0	32.575	2.588	1424.625	0.16%	96.23%
45.0	29.868	2.400	1427.025	0.15%	96.39%
46.0	27.418	2.240	1429.265	0.14%	96.54%
47.0	25.267	2.095	1431.36	0.13%	96.69%
48.0	23.453	1.970	1433.33	0.12%	96.82%
49.0	21.880	1.862	1435.191	0.11%	96.94%
50.0	20.512	1.767	1436.959	0.11%	97.06%
51.0	19.269	1.683	1438.642	0.10%	97.18%
52.0	18.318	1.613	1440.255	0.10%	97.29%
53.0	17.432	1.555	1441.81	0.10%	97.39%
54.0	16.694	1.504	1443.314	0.09%	97.49%
55.0	16.021	1.460	1444.774	0.09%	97.59%
56.0	15.406	1.420	1446.194	0.09%	97.69%
57.0	14.865	1.384	1447.578	0.08%	97.78%
58.0	14.338	1.350	1448.929	0.08%	97.87%
59.0	13.811	1.316	1450.245	0.08%	97.96%
60.0	13.328	1.282	1451.527	0.08%	98.05%
61.0	12.948	1.254	1452.781	0.08%	98.13%
62.0	12.560	1.229	1454.01	0.08%	98.22%
63.0	12.224	1.205	1455.216	0.07%	98.30%
64.0	11.895	1.183	1456.399	0.07%	98.38%
65.0	11.595	1.162	1457.562	0.07%	98.46%
66.0	11.244	1.139	1458.701	0.07%	98.53%
67.0	10.922	1.115	1459.816	0.07%	98.61%
68.0	10.615	1.091	1460.907	0.07%	98.68%
69.0	10.366	1.070	1461.977	0.07%	98.75%
70.0	10.146	1.053	1463.03	0.06%	98.83%
71.0	9.927	1.037	1464.068	0.06%	98.90%
72.0	9.700	1.021	1465.088	0.06%	98.96%
73.0	9.473	1.003	1466.091	0.06%	99.03%
74.0	9.210	0.982	1467.073	0.06%	99.10%
75.0	8.998	0.962	1468.035	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	8.771	0.943	1468.979	0.06%	99.23%
77.0	8.566	0.924	1469.903	0.06%	99.29%
78.0	8.376	0.907	1470.81	0.06%	99.35%
79.0	8.186	0.890	1471.7	0.05%	99.41%
80.0	8.003	0.873	1472.572	0.05%	99.47%
81.0	7.835	0.856	1473.429	0.05%	99.53%
82.0	7.681	0.841	1474.27	0.05%	99.58%
83.0	7.520	0.826	1475.097	0.05%	99.64%
84.0	7.367	0.811	1475.908	0.05%	99.69%
85.0	7.206	0.795	1476.703	0.05%	99.75%
86.0	7.008	0.777	1477.48	0.05%	99.80%
87.0	6.854	0.759	1478.239	0.05%	99.85%
88.0	6.701	0.743	1478.981	0.05%	99.90%
89.0	6.569	0.727	1479.708	0.04%	99.95%
90.0	6.474	0.715	1480.424	0.04%	100.00%

Zonal flux distribution table

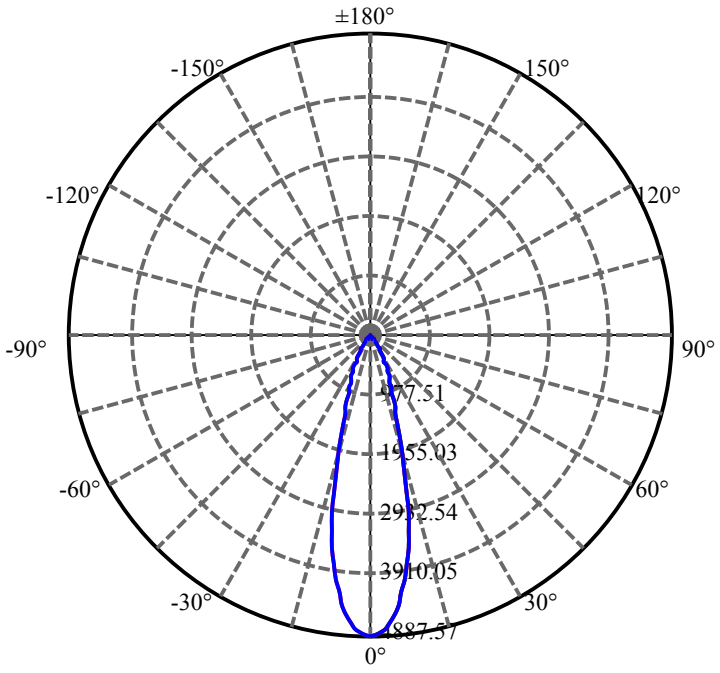
ZONAL LUMEN SUMMARY

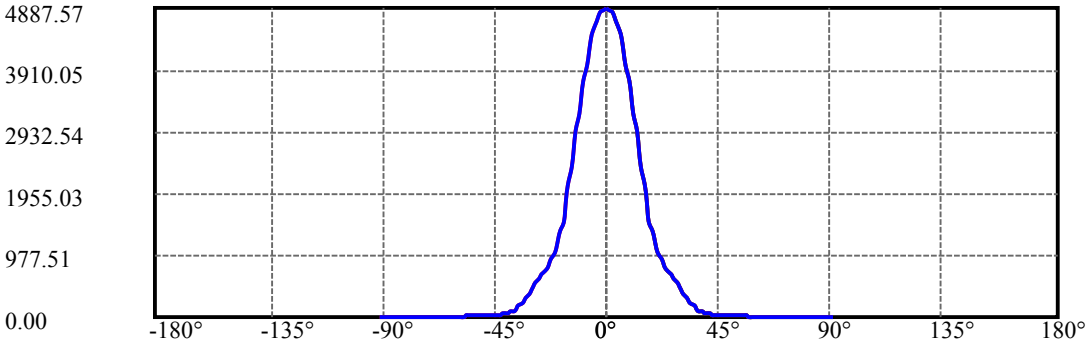
Zone	Lumens	%Lamp	%Fixt
0-30	1297.72	79.61%	87.66%
0-40	1412.50	86.66%	95.41%
0-60	1451.53	89.05%	98.05%
0-90	1479.71	90.78%	99.95%
0-120	1479.71	90.78%	99.95%
0-180	1480.42	90.82%	100.00%
60-90	28.18	1.73%	1.90%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.91	1184.34	72.66%	80.00%

ZONAL LUMEN SUMMARY

0-10	399.73
10-20	571.22
20-30	326.78
30-40	114.78
40-50	24.45
50-60	14.57
60-70	11.50
70-80	9.54
80-90	7.14
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):

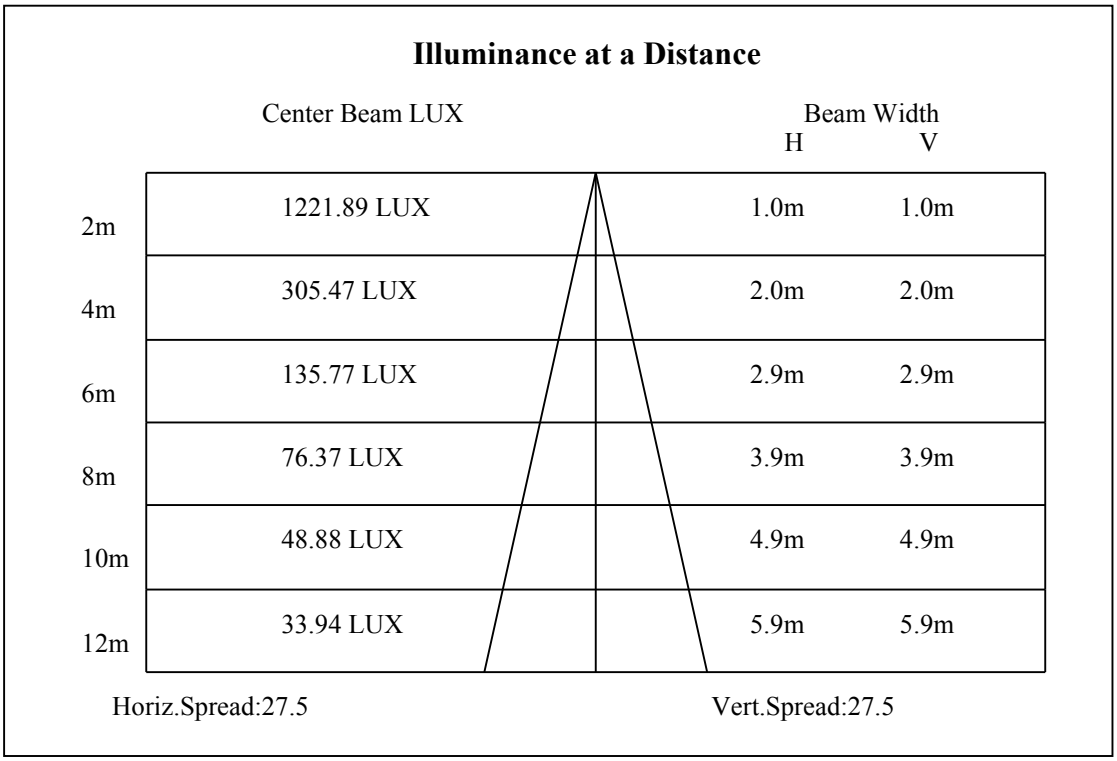
C0/C180:

C90/C270:

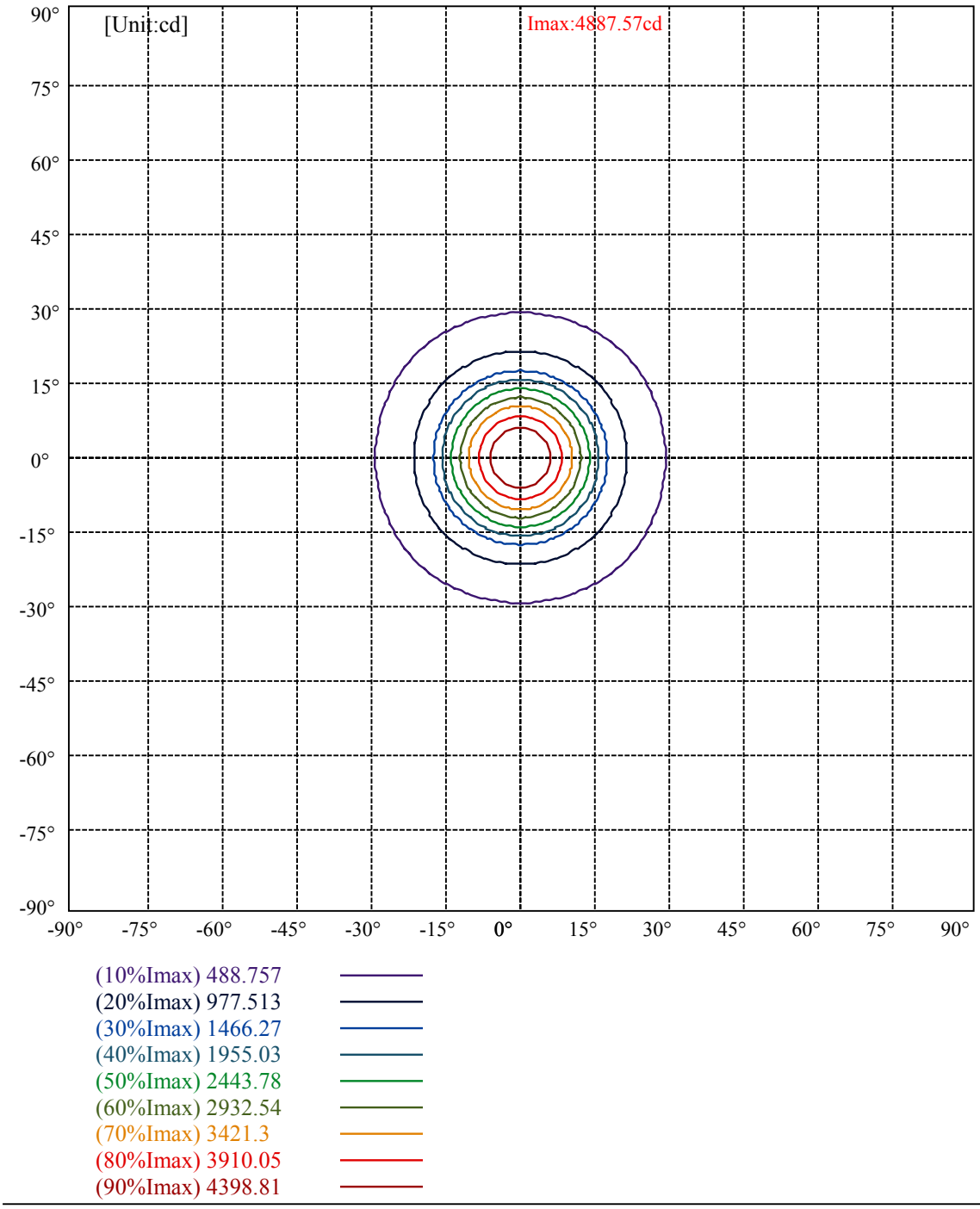
Field angle(10%Imax):C0/180Left:28.9 Right:28.9
:C90/270Left:28.9 Right:28.9

Beam Angle(50%Imax):C0/180Left:13.7 Right:13.7
:C90/270Left:13.7 Right:13.7

Lux distance Curve



ISO-Intensity(V-H)

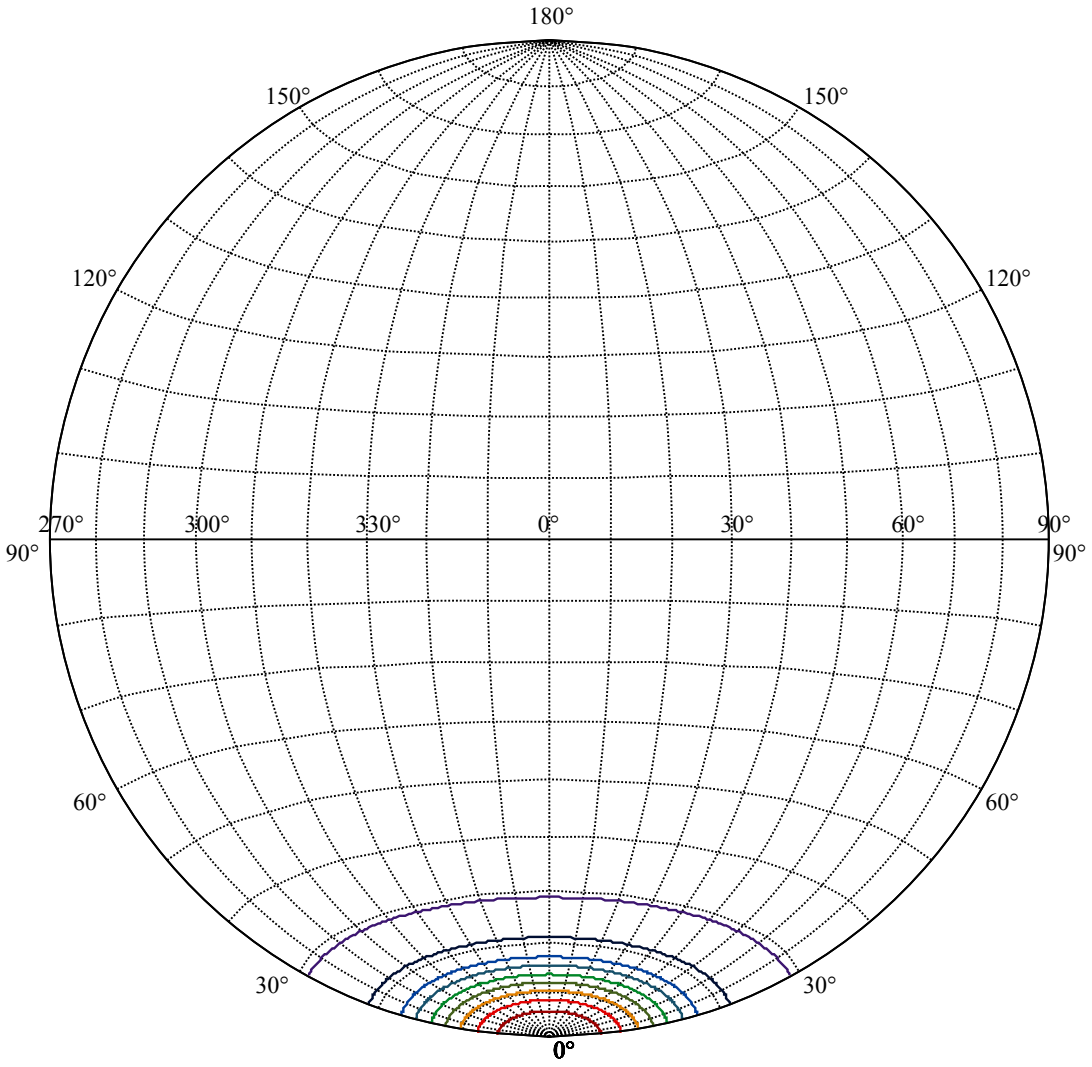


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/17
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



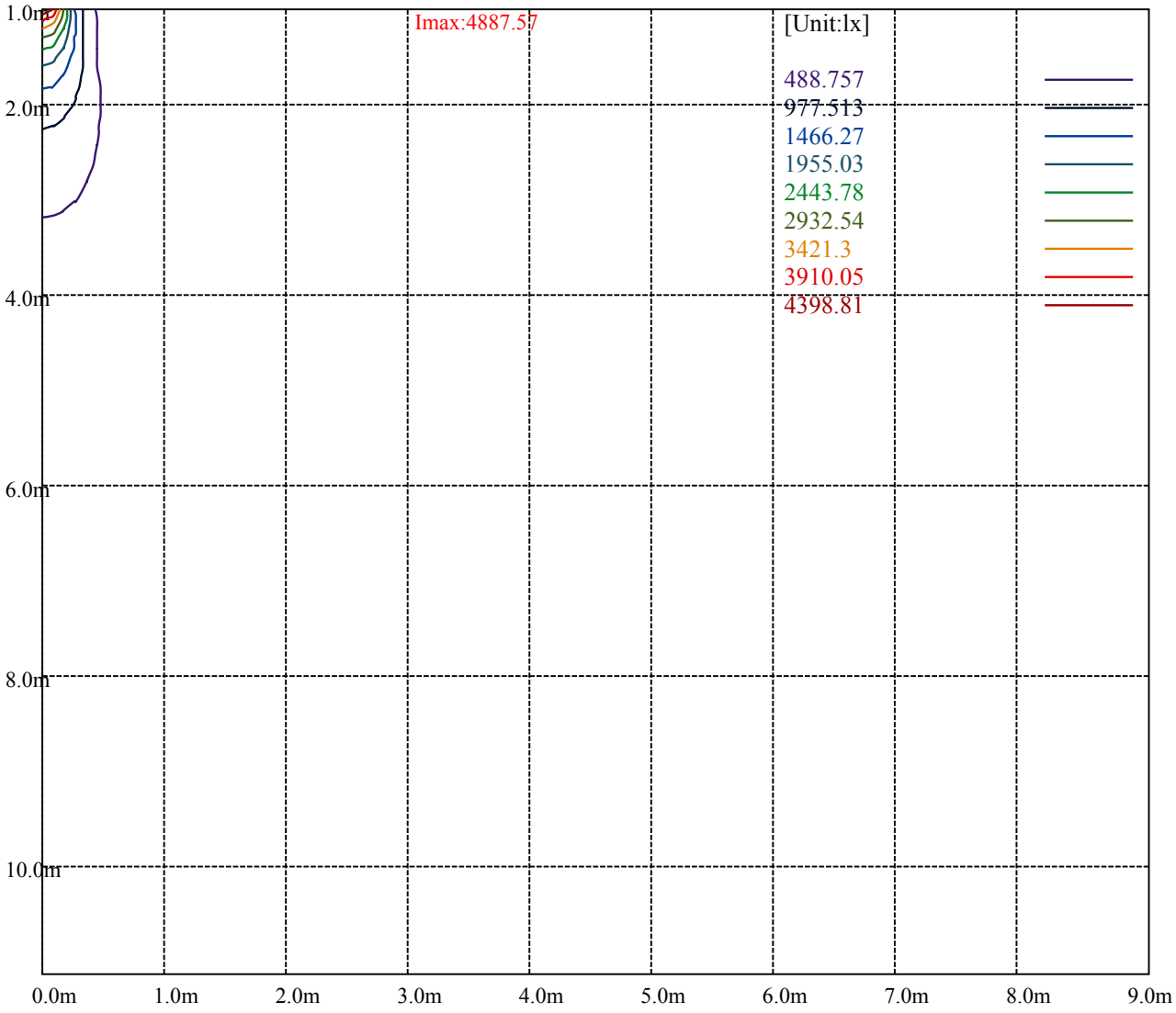
[Unit:cd]

Imax:4887.57

(10%Imax) 488.757
(20%Imax) 977.513
(30%Imax) 1466.27
(40%Imax) 1955.03
(50%Imax) 2443.78
(60%Imax) 2932.54
(70%Imax) 3421.3
(80%Imax) 3910.05
(90%Imax) 4398.81

Equipment: GMS1980	Date: 2024/7/17	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/7/17
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 1-1207-L

Luminance Limitting Curve(no luminous side)

Luminance Table

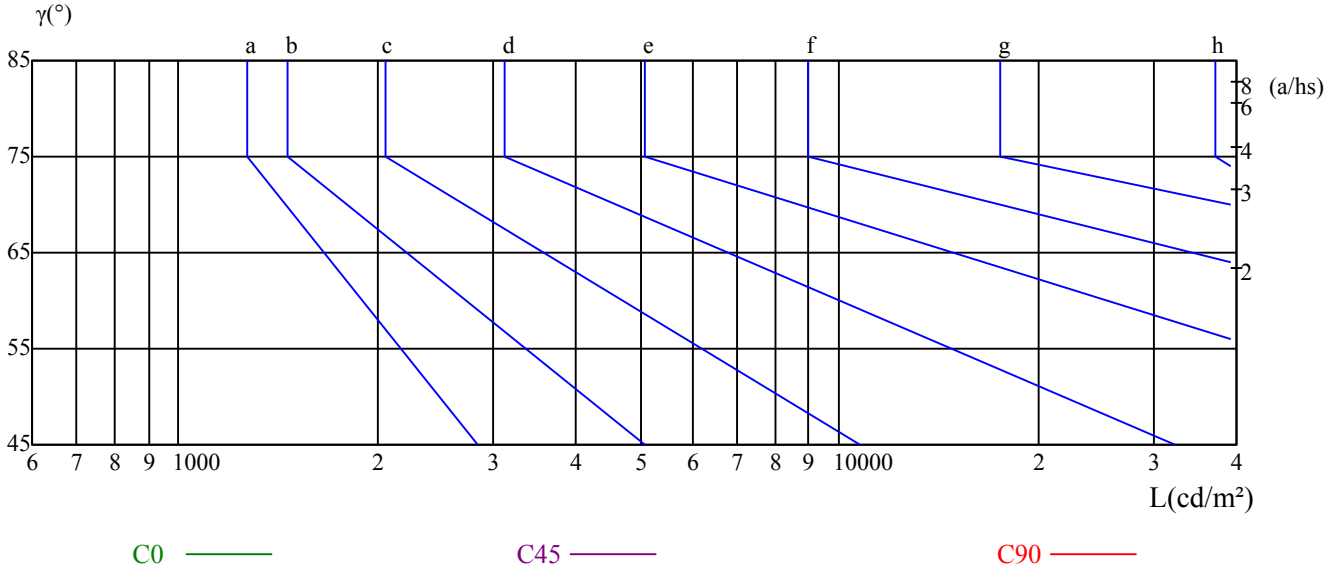
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

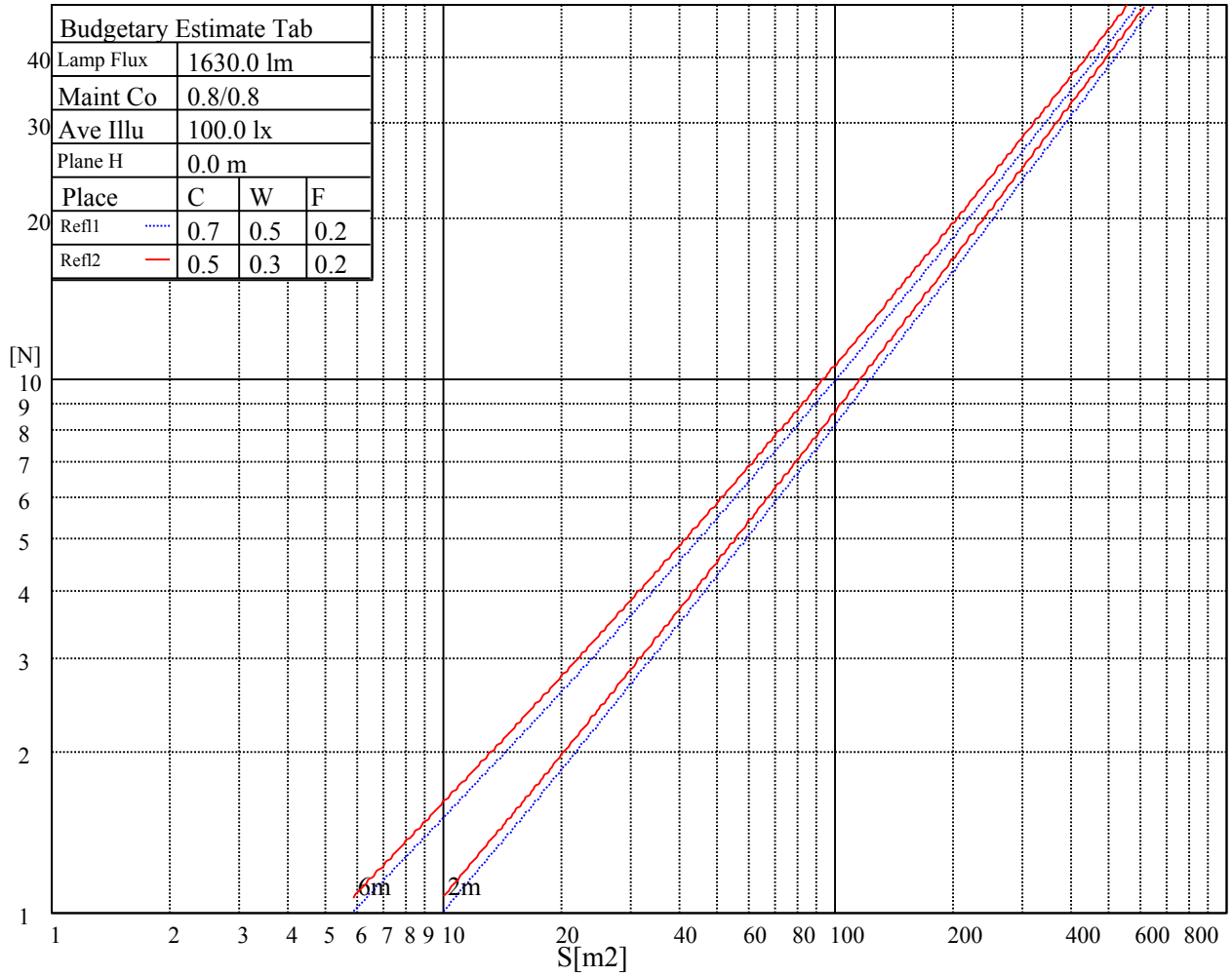


Equipment: GMS1980 Date: 2024/7/17 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

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

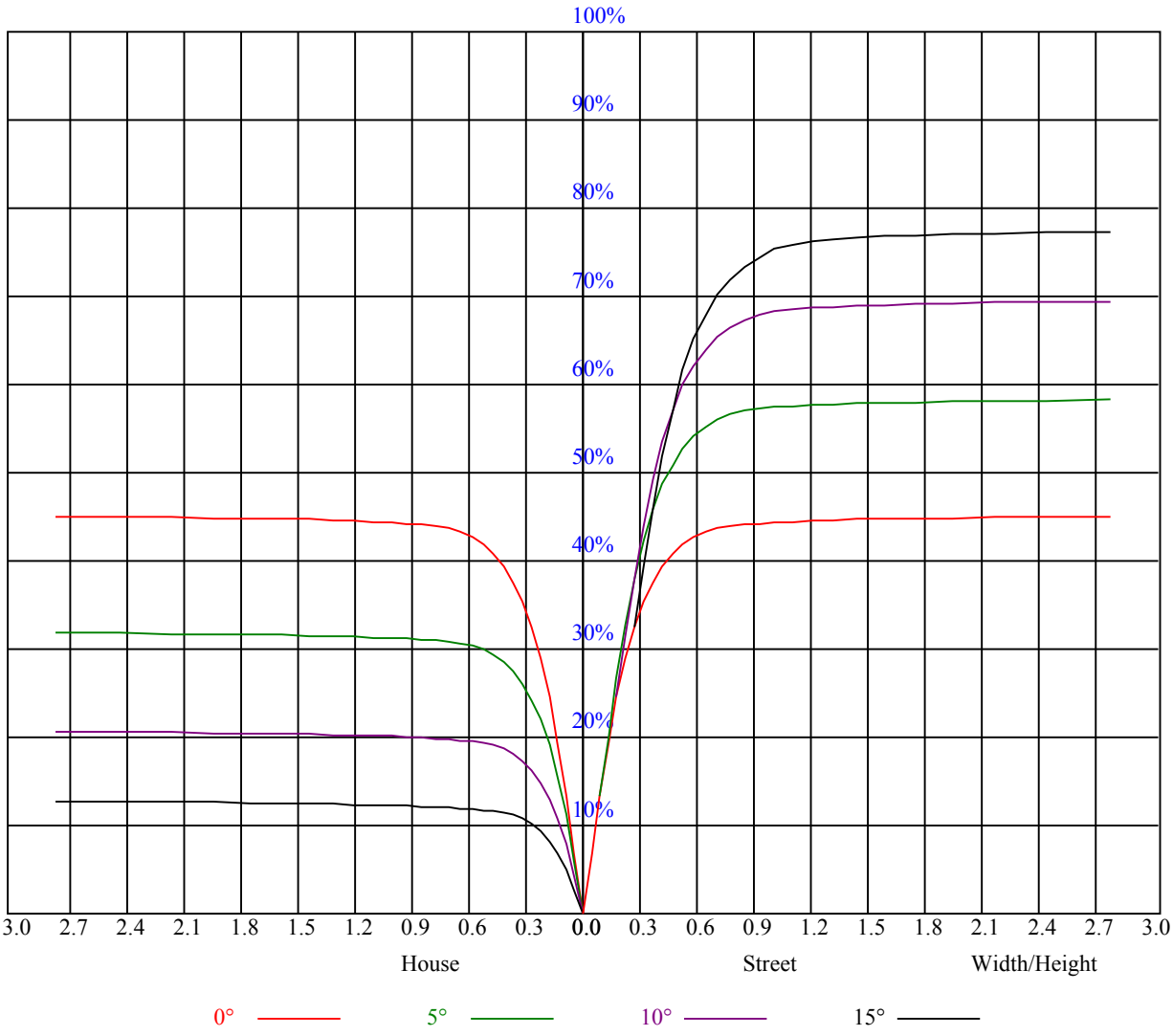


Equipment: GMS1980 Date: 2024/7/17 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

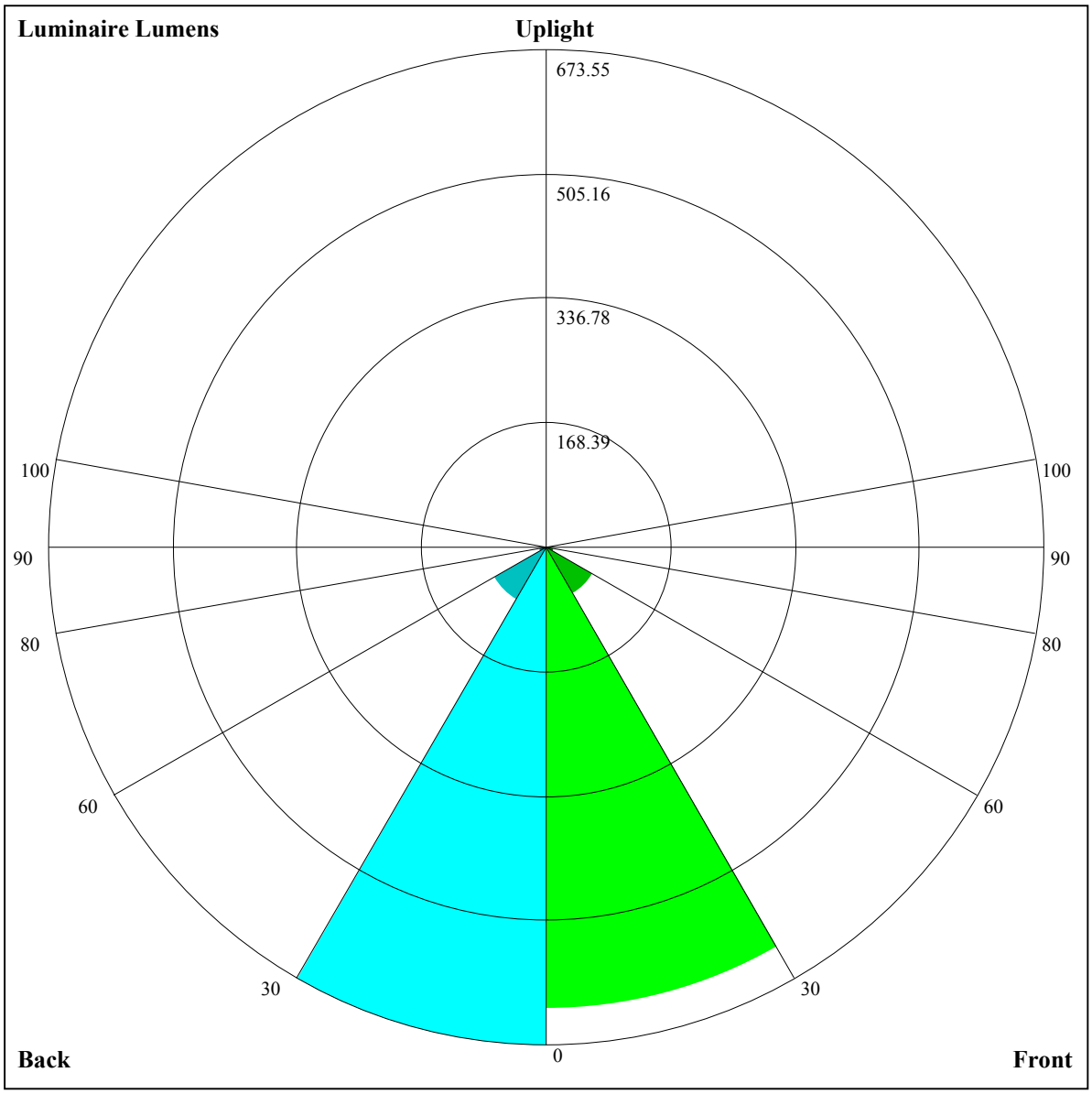
Utilization factor table for indoor luminaire

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	1.08	1.08	1.08	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.93	0.93	0.93	0.91
1	1.01	0.99	0.98	0.99	0.98	0.96	0.96	0.94	0.93	0.92	0.91	0.90	0.89	0.89	0.88	0.86
2	0.96	0.93	0.90	0.94	0.91	0.89	0.91	0.89	0.87	0.89	0.87	0.85	0.86	0.85	0.83	0.82
3	0.91	0.87	0.84	0.90	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.83	0.81	0.80	0.78
4	0.86	0.82	0.79	0.85	0.82	0.79	0.84	0.80	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.75
5	0.83	0.78	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.72
6	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
7	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.72	0.70	0.67	0.66
8	0.73	0.69	0.66	0.73	0.68	0.66	0.72	0.68	0.65	0.71	0.68	0.65	0.70	0.67	0.65	0.64
9	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.68	0.65	0.63	0.62
10	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.66	0.63	0.60	0.59

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/7/17	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=623.99,FM=71.76,FH=10.49,FVH=3.91
BL=673.55,BM=82.13,BH=10.51,BVH=3.92
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	4872.06	4832.26	4756.77	4659.03	4478.20	4307.31	4120.04	3912.29	3625.53
45.0	4886.69	4892.54	4841.04	4765.55	4668.98	4506.88	4338.92	4151.64	3874.83
90.0	4907.17	4877.91	4832.85	4746.82	4661.96	4538.48	4395.10	4177.98	3971.98
135.0	4884.35	4911.27	4901.32	4867.96	4828.75	4771.98	4683.61	4537.31	4399.19
180.0	4872.06	4891.95	4870.30	4838.11	4764.96	4687.13	4570.67	4376.37	4192.61
225.0	4886.69	4841.62	4798.90	4728.68	4609.29	4415.00	4240.60	4039.87	3816.31
270.0	4907.17	4885.52	4856.26	4814.12	4740.97	4630.36	4505.12	4309.66	4126.48
315.0	4884.35	4834.02	4779.59	4709.36	4611.05	4432.55	4271.62	4080.83	3821.58
360.0	4872.06	4832.26	4756.77	4659.03	4478.20	4307.31	4120.04	3912.29	3625.53

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3388.51	3140.38	2820.26	2561.59	2240.30	1998.60	1772.12	1560.27	1145.46
45.0	3651.28	3417.19	3178.42	2870.59	2621.28	2366.12	2108.62	1814.84	1607.67
90.0	3761.88	3535.99	3217.63	2949.59	2686.24	2360.27	2098.09	1848.78	1572.56
135.0	4230.06	3987.20	3774.17	3467.52	3205.34	2924.43	2641.76	2297.65	2036.06
180.0	3938.04	3708.04	3465.76	3211.77	2875.85	2610.75	2349.74	2098.09	1801.97
225.0	3510.82	3250.98	2988.80	2716.67	2380.75	2120.91	1820.11	1603.58	1154.12
270.0	3920.48	3689.32	3361.01	3074.83	2778.71	2419.38	2150.18	1895.60	1610.01
315.0	3576.95	3311.85	2963.64	2689.17	2413.53	2083.46	1831.23	1605.92	1166.24
360.0	3388.51	3140.38	2820.26	2561.59	2240.30	1998.60	1772.12	1560.27	1145.46

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1145.46	1089.34	990.79	895.57	832.95	773.55	721.17	660.54	610.33
45.0	1432.10	1248.34	1129.54	1008.40	924.13	856.24	794.79	730.42	678.92
90.0	1152.72	1152.72	1066.10	964.68	886.21	797.43	740.13	686.35	632.28
135.0	1798.45	1576.65	1341.39	1189.24	1064.58	968.02	869.70	802.99	730.42
180.0	1585.43	1392.31	1251.27	1102.62	1011.91	916.52	852.73	792.45	726.32
225.0	1154.12	1097.06	1000.50	922.37	843.95	790.70	742.83	696.24	641.11
270.0	1406.35	1232.54	1071.02	972.12	896.62	822.30	754.41	699.99	652.58
315.0	1166.24	1071.37	973.76	892.70	809.37	751.14	696.59	629.47	579.84
360.0	1145.46	1089.34	990.79	895.57	832.95	773.55	721.17	660.54	610.33

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	541.86	483.16	424.81	353.36	299.11	250.59	206.17	157.95	126.06
45.0	626.25	574.75	506.28	449.51	391.57	336.56	296.77	296.77	182.18
90.0	565.91	510.14	453.90	396.26	324.68	272.83	227.36	177.50	142.56
135.0	675.41	619.23	547.83	488.72	429.03	369.34	298.52	298.52	238.54
180.0	674.82	622.74	569.48	495.74	435.47	376.36	320.18	306.72	245.27
225.0	591.96	539.81	483.69	411.41	354.59	287.17	239.88	196.46	149.64
270.0	599.33	534.95	477.60	418.49	342.42	300.28	300.28	183.23	148.41
315.0	507.98	446.47	385.66	326.56	259.90	214.66	174.34	139.87	105.69
360.0	541.86	483.16	424.81	353.36	299.11	250.59	206.17	157.95	126.06

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	101.01	82.63	66.31	57.47	51.09	44.77	40.85	36.87	34.00
45.0	138.23	109.55	82.05	66.07	54.89	46.99	39.62	35.29	32.19
90.0	114.00	86.73	70.34	58.41	48.22	42.25	37.57	34.06	30.67
135.0	164.04	124.36	99.61	79.94	62.68	53.14	45.88	38.98	34.94
180.0	168.90	136.12	103.35	83.80	65.31	54.95	47.52	40.67	36.64
225.0	119.15	94.16	75.14	58.17	48.69	41.90	37.10	32.66	29.90
270.0	112.48	90.36	73.39	61.45	50.97	44.89	39.97	36.05	32.07
315.0	84.74	69.99	59.46	50.86	45.24	39.85	36.52	33.42	30.20
360.0	101.01	82.63	66.31	57.47	51.09	44.77	40.85	36.87	34.00

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	31.49	28.73	26.69	24.99	23.41	21.65	20.42	19.43	18.49
45.0	29.61	26.98	25.22	23.64	22.00	20.95	20.01	19.02	18.38
90.0	28.50	26.45	24.81	22.94	21.71	20.66	19.66	18.96	18.20
135.0	31.08	28.68	26.51	24.70	22.77	21.48	20.31	19.43	18.43
180.0	33.47	30.72	27.74	25.69	23.99	22.41	20.66	19.49	18.43
225.0	27.51	24.81	23.00	21.01	19.61	18.38	17.03	16.15	15.39
270.0	29.38	27.10	24.64	22.77	21.07	19.31	18.14	17.09	15.98
315.0	27.92	25.87	23.53	21.89	20.48	19.25	17.91	16.97	16.15
360.0	31.49	28.73	26.69	24.99	23.41	21.65	20.42	19.43	18.49

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.44	16.68	15.98	15.39	14.69	14.16	13.64	13.28	12.93
45.0	17.91	17.32	16.91	16.44	15.86	15.27	14.69	14.16	13.52
90.0	17.73	17.32	16.74	16.27	15.74	15.16	14.34	13.81	13.34
135.0	17.67	17.03	16.15	15.57	14.98	14.34	13.81	13.34	12.87
180.0	17.38	16.62	15.92	15.22	14.75	14.16	13.75	13.40	13.05
225.0	14.75	14.10	13.58	13.17	12.82	12.41	12.17	11.94	11.65
270.0	15.22	14.51	13.93	13.34	12.93	12.47	12.11	11.82	11.53
315.0	15.45	14.57	14.05	13.52	12.93	12.52	12.11	11.82	11.59
360.0	17.44	16.68	15.98	15.39	14.69	14.16	13.64	13.28	12.93

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	12.58	12.29	12.00	11.65	11.29	11.00	10.77	10.53	10.30
45.0	12.99	12.58	12.11	11.59	11.18	10.65	10.42	10.18	9.89
90.0	12.87	12.35	11.88	11.47	11.00	10.59	10.24	10.07	9.89
135.0	12.52	12.17	11.88	11.47	11.18	10.94	10.65	10.42	10.18
180.0	12.70	12.35	12.11	11.76	11.41	11.06	10.83	10.53	10.36
225.0	11.47	11.24	10.94	10.65	10.42	10.18	9.95	9.77	9.54
270.0	11.29	11.12	10.94	10.71	10.48	10.30	10.07	9.83	9.66
315.0	11.35	11.06	10.89	10.65	10.42	10.18	10.01	9.83	9.60
360.0	12.58	12.29	12.00	11.65	11.29	11.00	10.77	10.53	10.30

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.12	9.89	9.54	9.36	9.13	8.95	8.78	8.60	8.43
45.0	9.66	9.42	9.19	8.95	8.72	8.54	8.37	8.13	8.02
90.0	9.66	9.42	9.19	8.95	8.72	8.49	8.31	8.13	7.96
135.0	10.01	9.77	9.54	9.31	9.13	8.90	8.66	8.43	8.25
180.0	10.12	9.83	9.60	9.36	9.07	8.90	8.66	8.54	8.25
225.0	9.31	9.07	8.84	8.66	8.43	8.25	8.08	7.84	7.72
270.0	9.42	9.25	8.95	8.78	8.54	8.31	8.13	7.96	7.72
315.0	9.31	9.13	8.84	8.60	8.43	8.19	8.02	7.84	7.67
360.0	10.12	9.89	9.54	9.36	9.13	8.95	8.78	8.60	8.43

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.25	8.08	7.96	7.78	7.67	7.37	7.14	6.96	6.61
45.0	7.84	7.67	7.49	7.32	7.14	6.96	6.85	6.67	6.55
90.0	7.78	7.67	7.43	7.32	7.14	6.96	6.79	6.61	6.50
135.0	8.08	7.90	7.72	7.55	7.37	7.20	7.02	6.85	6.67
180.0	8.08	7.90	7.78	7.61	7.43	7.26	7.08	6.96	6.85
225.0	7.55	7.43	7.26	7.08	6.96	6.73	6.61	6.50	6.44
270.0	7.55	7.43	7.26	7.14	6.96	6.79	6.67	6.55	6.44
315.0	7.55	7.37	7.26	7.14	6.96	6.79	6.67	6.50	6.50
360.0	8.25	8.08	7.96	7.78	7.67	7.37	7.14	6.96	6.61

Intensity data(cd)

C/γ(°)	90.0
0.0	6.55
45.0	6.44
90.0	6.44
135.0	6.55
180.0	6.61
225.0	6.38
270.0	6.38
315.0	6.44
360.0	6.55