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

NT

Client:
LumCAT: 1-1379-L
Luminaire: 92.70.427.00
Report No: 20231121-B010
Ballast type: AC

Test No: 20231121-C010	Voltage(V): 34.720
LampCAT: CITIZEN CLU028	Current(A): 0.282
Lamp flux(lm): 1238.1	Power (W): 9.791
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1133.70, Efficiency(%): 91.57% , Luminous Efficacy(lm/W): 115.79
Central intensity(cd): 2706.514, Maximum intensity(cd): 2706.514
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=36.0
[C90/270]Total=36.0
Field angle(10%Imax): [C0/180]Total=60.8
[C90/270]Total=60.8
Maximum s/h(1/2): C0_180=0.60 C90_270=0.60
Maximum s/h(1/4): C0_180=0.59 C90_270=0.59
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.57%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.073%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2706.514	0.000	0	0.00%	0.00%
1.0	2703.608	2.589	2.589	0.21%	0.23%
2.0	2700.149	7.756	10.345	0.63%	0.91%
3.0	2690.946	12.894	23.238	1.04%	2.05%
4.0	2672.264	17.952	41.191	1.45%	3.63%
5.0	2638.844	22.848	64.039	1.85%	5.65%
6.0	2593.247	27.496	91.535	2.22%	8.07%
7.0	2535.610	31.835	123.37	2.57%	10.88%
8.0	2468.355	35.812	159.182	2.89%	14.04%
9.0	2397.710	39.437	198.619	3.19%	17.52%
10.0	2310.321	42.606	241.225	3.44%	21.28%
11.0	2221.340	45.281	286.505	3.66%	25.27%
12.0	2115.061	47.403	333.908	3.83%	29.45%
13.0	2010.374	48.959	382.867	3.95%	33.77%
14.0	1891.571	49.945	432.812	4.03%	38.18%
15.0	1769.655	50.263	483.074	4.06%	42.61%
16.0	1643.448	50.012	533.086	4.04%	47.02%
17.0	1499.045	48.937	582.023	3.95%	51.34%
18.0	1357.402	47.097	629.12	3.80%	55.49%
19.0	1207.310	44.621	673.74	3.60%	59.43%
20.0	1117.575	42.552	716.292	3.44%	63.18%
21.0	1020.395	41.053	757.346	3.32%	66.80%
22.0	907.813	38.748	796.094	3.13%	70.22%
23.0	807.574	35.993	832.087	2.91%	73.40%
24.0	708.395	33.145	865.232	2.68%	76.32%
25.0	619.213	30.187	895.419	2.44%	78.98%
26.0	537.906	27.314	922.733	2.21%	81.39%
27.0	460.964	24.438	947.17	1.97%	83.55%
28.0	394.097	21.648	968.818	1.75%	85.46%
29.0	331.845	18.993	987.811	1.53%	87.13%
30.0	284.504	16.641	1004.452	1.34%	88.60%
31.0	246.372	14.773	1019.226	1.19%	89.90%
32.0	202.504	12.860	1032.086	1.04%	91.04%
33.0	165.168	10.832	1042.917	0.87%	91.99%
34.0	129.313	8.912	1051.829	0.72%	92.78%
35.0	106.715	7.330	1059.159	0.59%	93.42%
36.0	87.998	6.200	1065.359	0.50%	93.97%
37.0	72.174	5.224	1070.583	0.42%	94.43%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	60.107	4.415	1074.998	0.36%	94.82%
39.0	49.714	3.749	1078.747	0.30%	95.15%
40.0	42.553	3.218	1081.965	0.26%	95.44%
41.0	36.340	2.809	1084.774	0.23%	95.68%
42.0	31.932	2.480	1087.255	0.20%	95.90%
43.0	28.203	2.228	1089.482	0.18%	96.10%
44.0	25.227	2.017	1091.499	0.16%	96.28%
45.0	22.716	1.843	1093.341	0.15%	96.44%
46.0	20.813	1.702	1095.044	0.14%	96.59%
47.0	19.104	1.588	1096.631	0.13%	96.73%
48.0	17.755	1.490	1098.121	0.12%	96.86%
49.0	16.620	1.412	1099.533	0.11%	96.99%
50.0	15.554	1.341	1100.874	0.11%	97.10%
51.0	14.689	1.280	1102.154	0.10%	97.22%
52.0	13.887	1.226	1103.38	0.10%	97.33%
53.0	13.202	1.178	1104.559	0.10%	97.43%
54.0	12.572	1.136	1105.695	0.09%	97.53%
55.0	12.053	1.099	1106.794	0.09%	97.63%
56.0	11.548	1.066	1107.86	0.09%	97.72%
57.0	11.098	1.035	1108.896	0.08%	97.81%
58.0	10.697	1.008	1109.904	0.08%	97.90%
59.0	10.351	0.984	1110.888	0.08%	97.99%
60.0	10.012	0.962	1111.85	0.08%	98.07%
61.0	9.742	0.943	1112.792	0.08%	98.16%
62.0	9.438	0.924	1113.717	0.07%	98.24%
63.0	9.189	0.906	1114.623	0.07%	98.32%
64.0	8.926	0.889	1115.511	0.07%	98.40%
65.0	8.697	0.872	1116.384	0.07%	98.47%
66.0	8.504	0.858	1117.242	0.07%	98.55%
67.0	8.296	0.845	1118.087	0.07%	98.62%
68.0	8.095	0.830	1118.917	0.07%	98.70%
69.0	7.909	0.816	1119.733	0.07%	98.77%
70.0	7.736	0.803	1120.537	0.06%	98.84%
71.0	7.563	0.791	1121.327	0.06%	98.91%
72.0	7.404	0.778	1122.106	0.06%	98.98%
73.0	7.210	0.764	1122.87	0.06%	99.04%
74.0	7.037	0.749	1123.619	0.06%	99.11%
75.0	6.864	0.734	1124.353	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.691	0.720	1125.073	0.06%	99.24%
77.0	6.525	0.705	1125.777	0.06%	99.30%
78.0	6.366	0.690	1126.467	0.06%	99.36%
79.0	6.207	0.675	1127.143	0.05%	99.42%
80.0	6.054	0.661	1127.804	0.05%	99.48%
81.0	5.902	0.647	1128.451	0.05%	99.54%
82.0	5.757	0.632	1129.083	0.05%	99.59%
83.0	5.632	0.619	1129.702	0.05%	99.65%
84.0	5.487	0.606	1130.308	0.05%	99.70%
85.0	5.362	0.592	1130.9	0.05%	99.75%
86.0	5.245	0.580	1131.48	0.05%	99.80%
87.0	5.134	0.568	1132.048	0.05%	99.85%
88.0	5.065	0.559	1132.606	0.05%	99.90%
89.0	4.989	0.551	1133.157	0.04%	99.95%
90.0	4.920	0.543	1133.701	0.04%	100.00%

Zonal flux distribution table

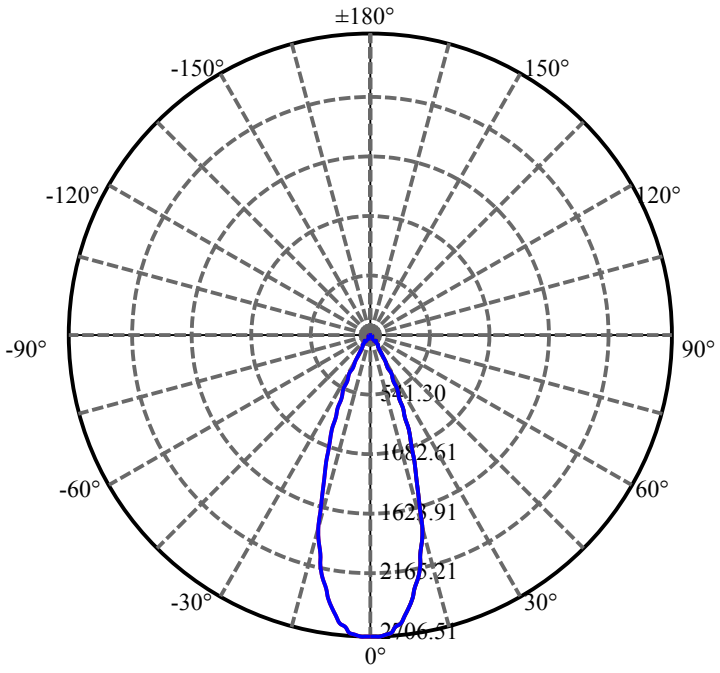
ZONAL LUMEN SUMMARY

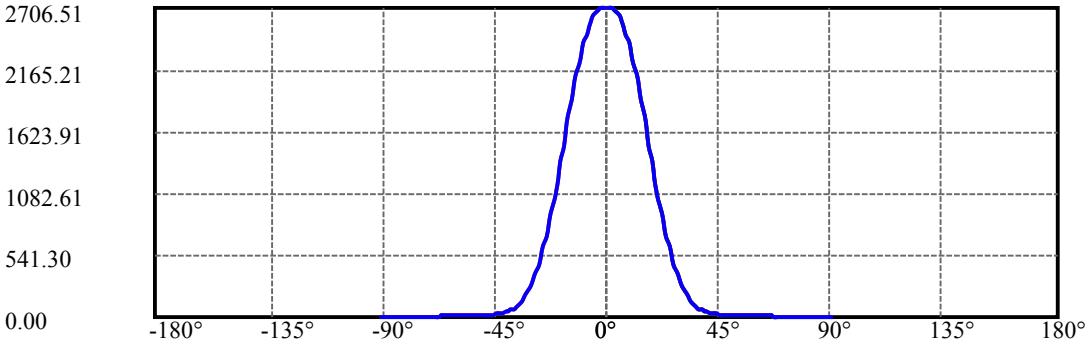
Zone	Lumens	%Lamp	%Fixt
0-30	1004.45	81.13%	88.60%
0-40	1081.96	87.39%	95.44%
0-60	1111.85	89.81%	98.07%
0-90	1133.16	91.53%	99.95%
0-120	1133.16	91.53%	99.95%
0-180	1133.70	91.57%	100.00%
60-90	21.31	1.72%	1.88%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.42	906.96	73.26%	80.00%

ZONAL LUMEN SUMMARY

0-10	241.22
10-20	475.07
20-30	288.16
30-40	77.51
40-50	18.91
50-60	10.98
60-70	8.69
70-80	7.27
80-90	5.35
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

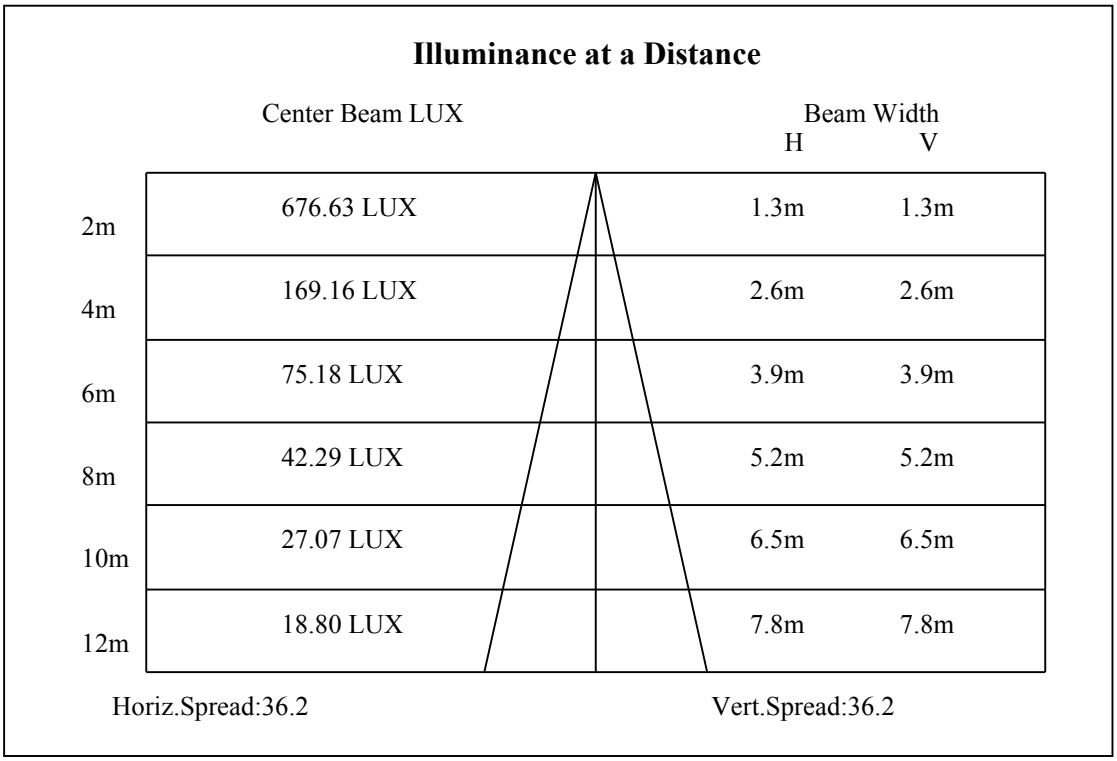
Beam Angle(50%Imax):C0/180Left:18.0 Right:18.0
:C90/270Left:18.0 Right:18.0

Equipment: GMS1980
Temperature(°C): 0.0

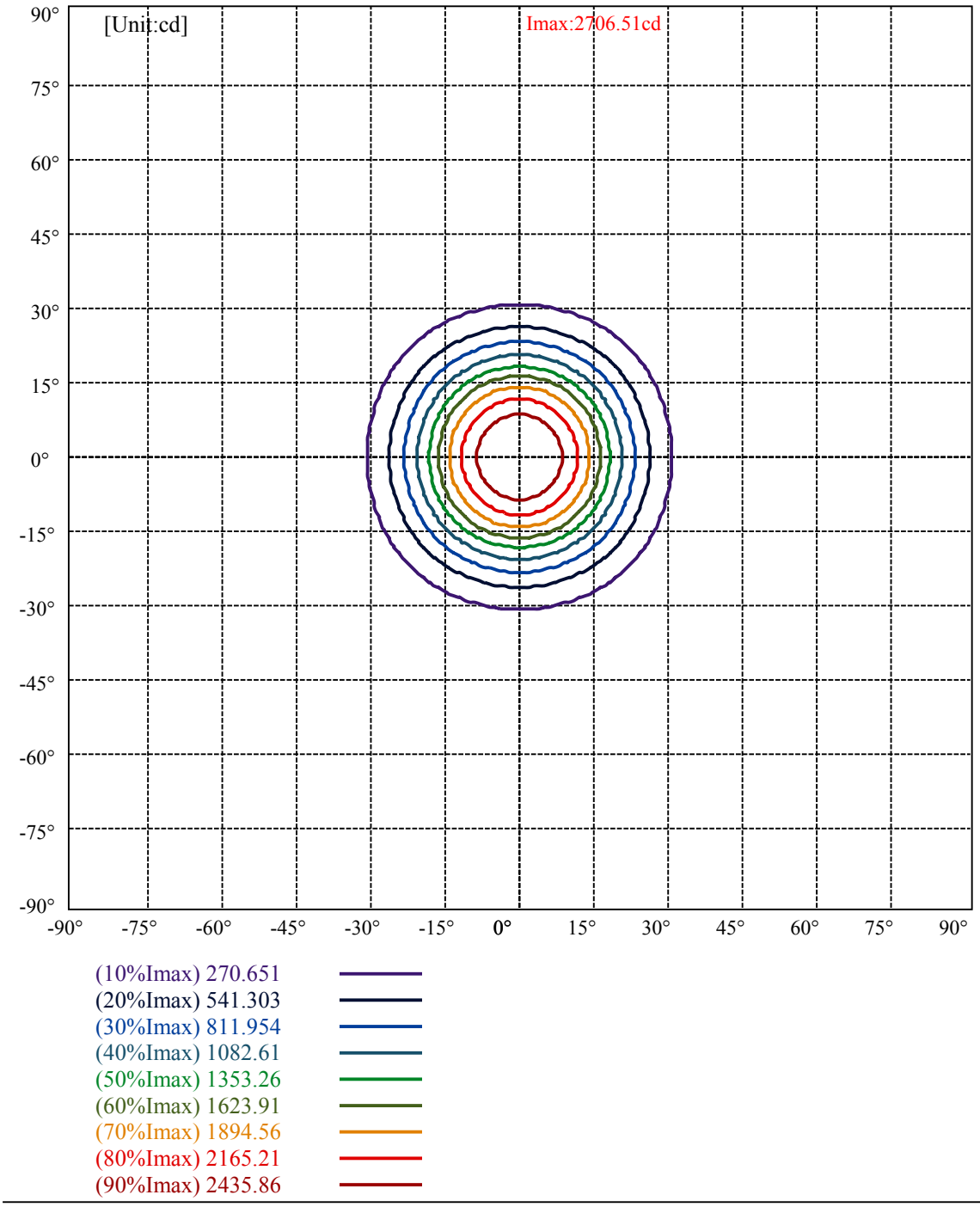
Date: 2023/11/21
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Lux distance Curve



ISO-Intensity(V-H)

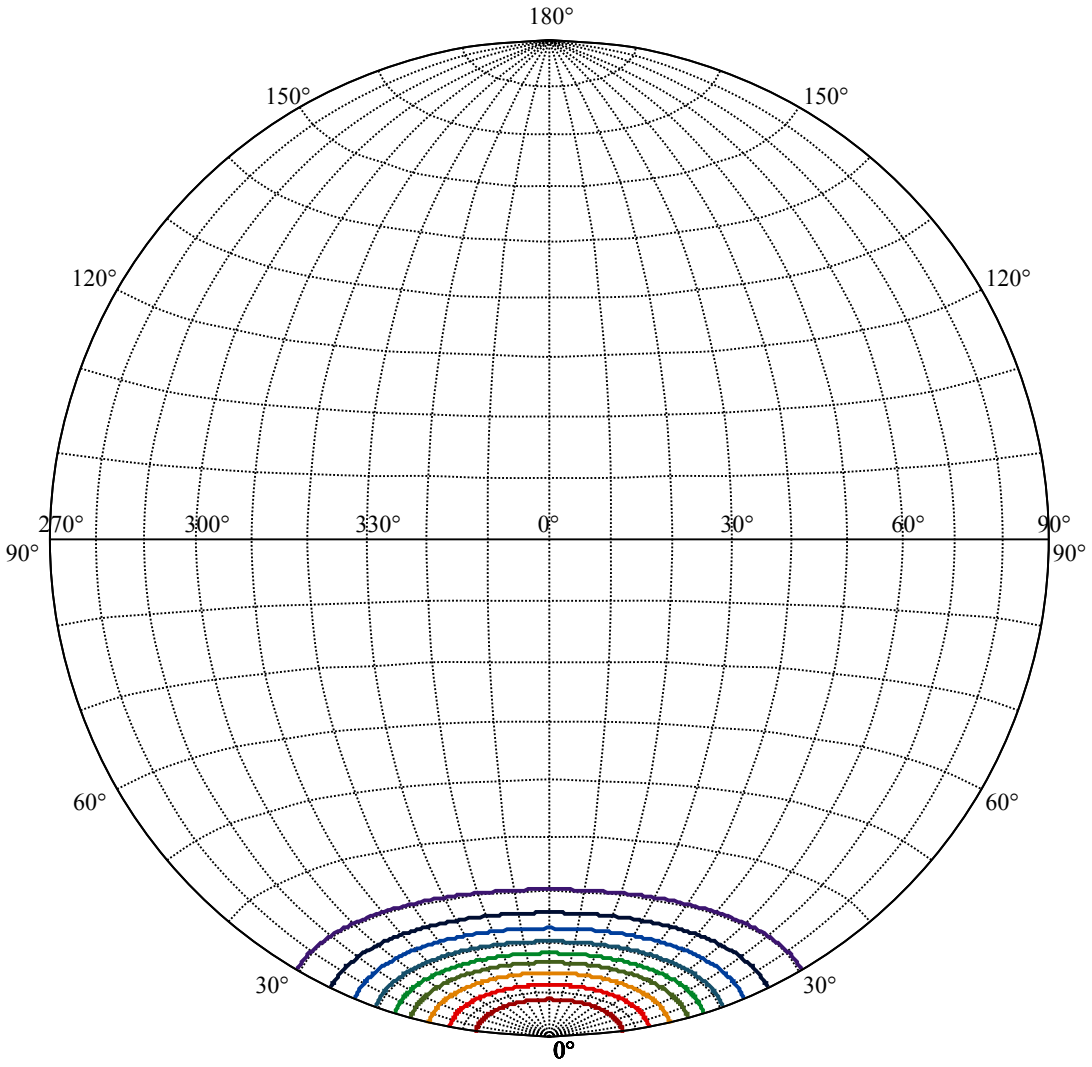


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/21
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



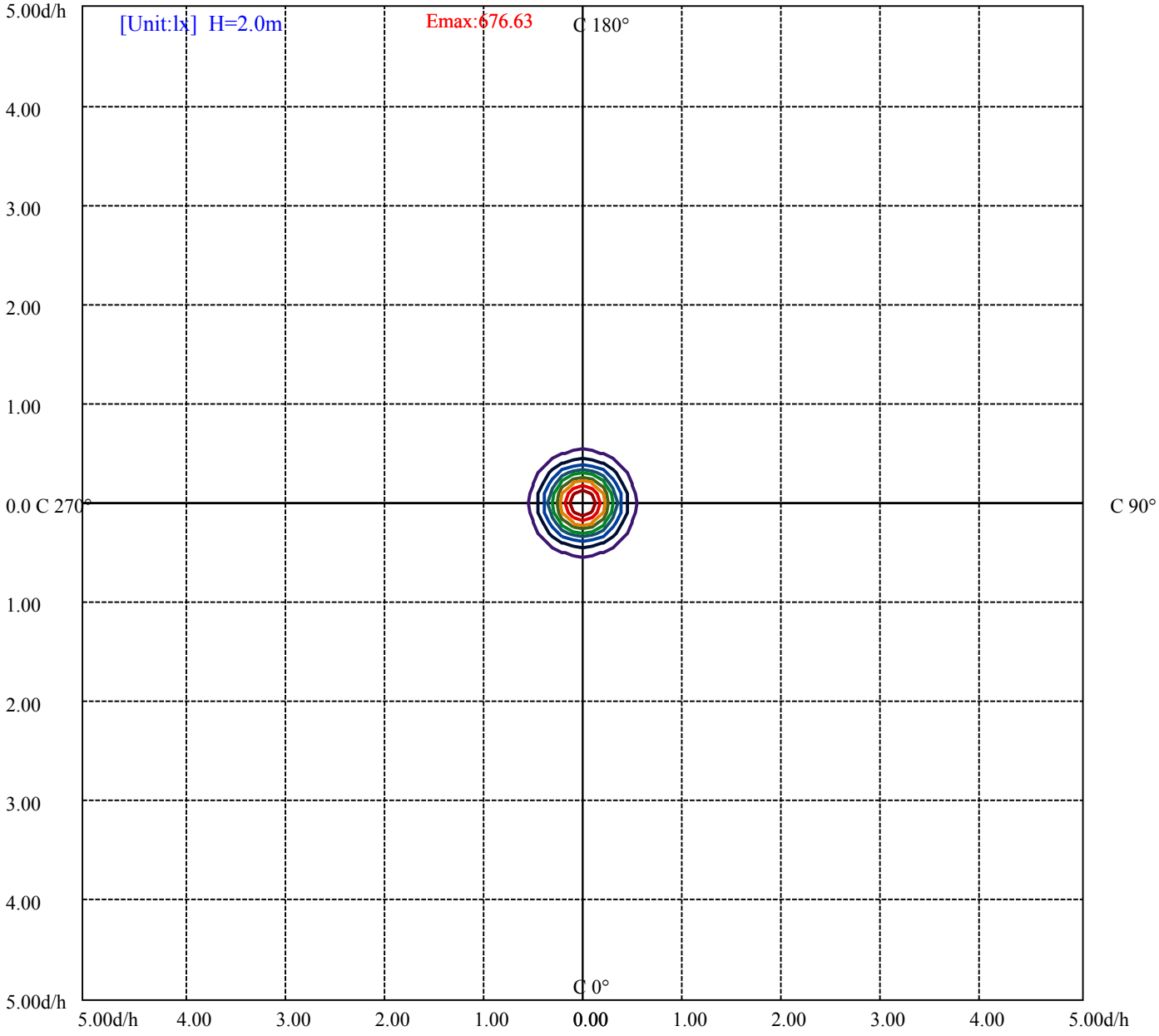
House [Unit:cd] Road

Imax:2706.51

(10%Imax) 270.651
(20%Imax) 541.303
(30%Imax) 811.954
(40%Imax) 1082.61
(50%Imax) 1353.26
(60%Imax) 1623.91
(70%Imax) 1894.56
(80%Imax) 2165.21
(90%Imax) 2435.86

Equipment: GMS1980 Date: 2023/11/21 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

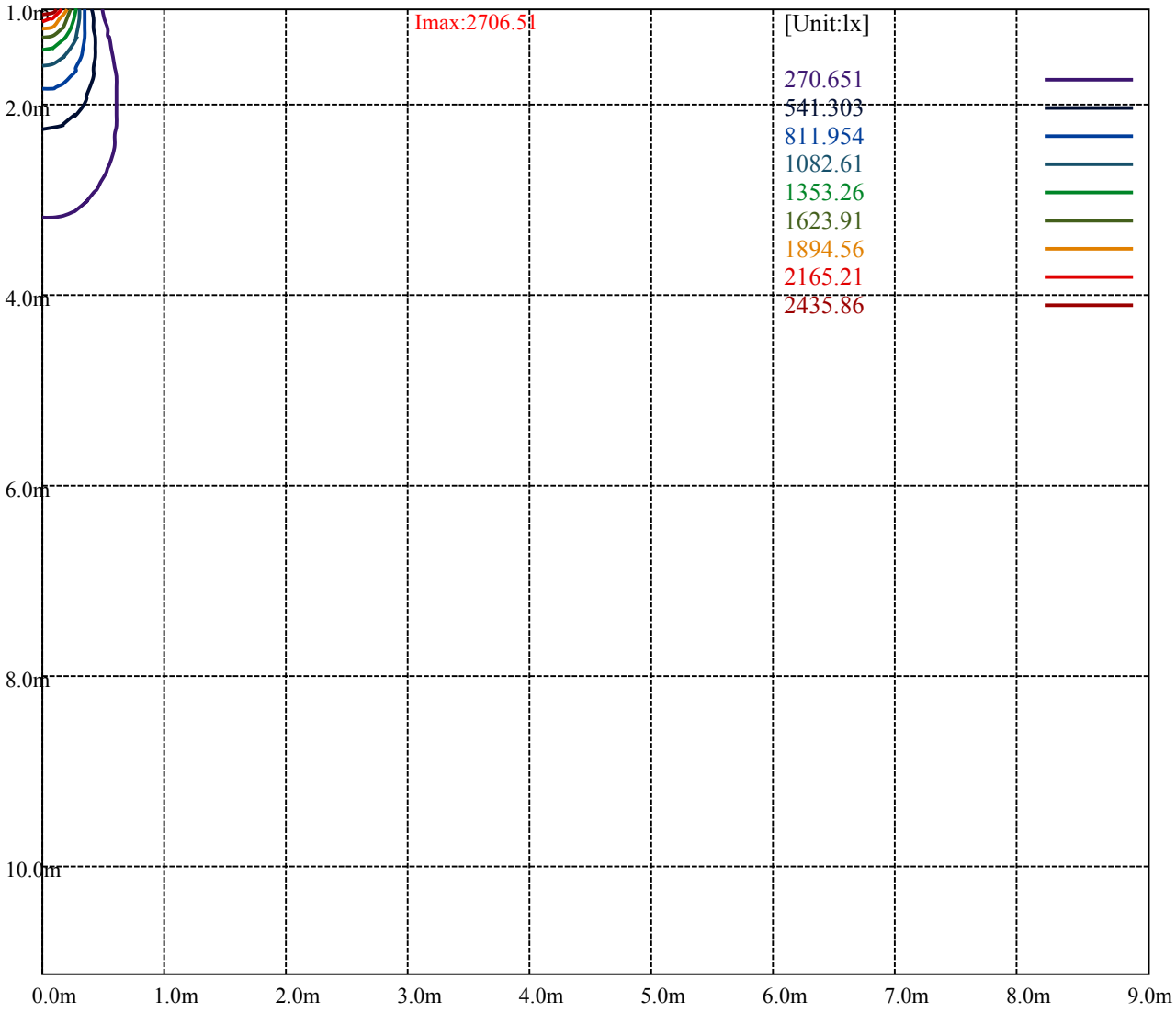
ISO illuminance diagram



(10%Emax) 67.66275
(20%Emax) 135.3257
(30%Emax) 202.9885
(40%Emax) 270.6525
(50%Emax) 338.315
(60%Emax) 405.9775
(70%Emax) 473.64
(80%Emax) 541.3025
(90%Emax) 608.965

Equipment: GMS1980
Temperature(°C): 0.0
Date: 2023/11/21
Humidity(%): 0.0%
Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/21
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1379-L

Luminance Limitting Curve(no luminous side)

Luminance Table

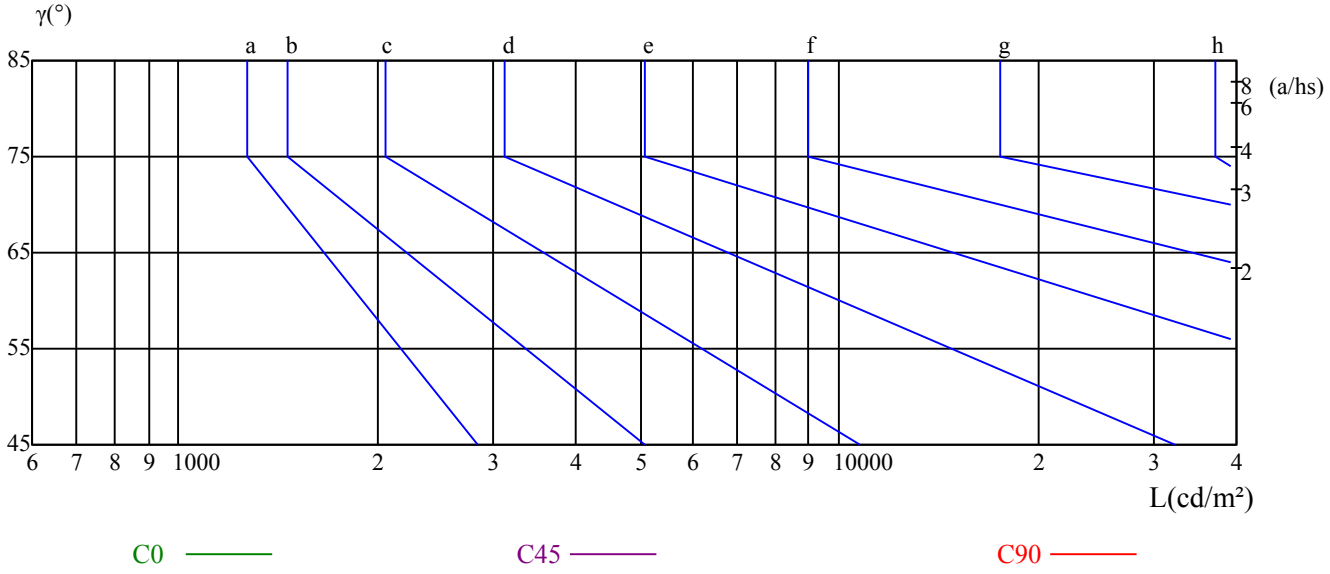
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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): 0.0

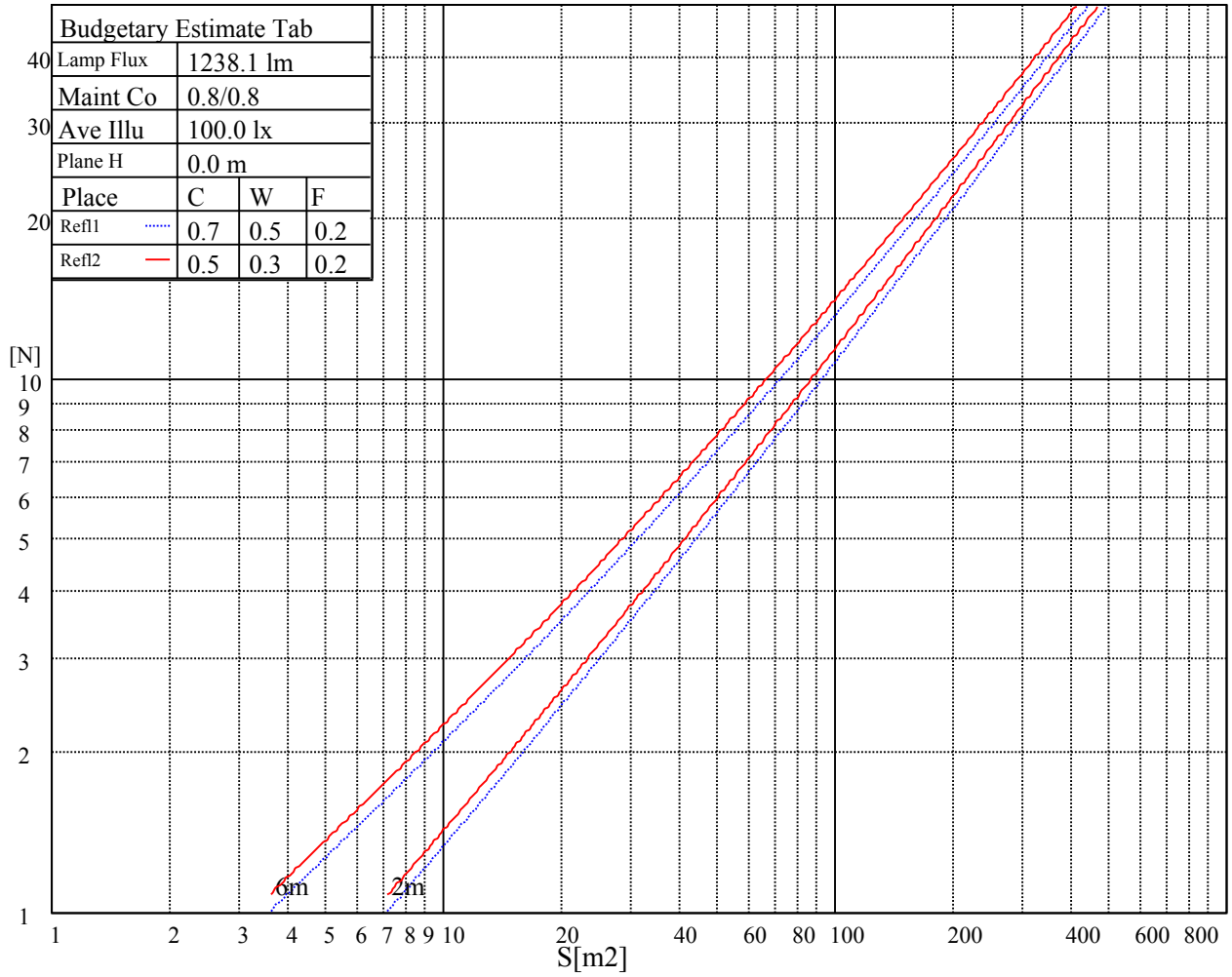
Date: 2023/11/21
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

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

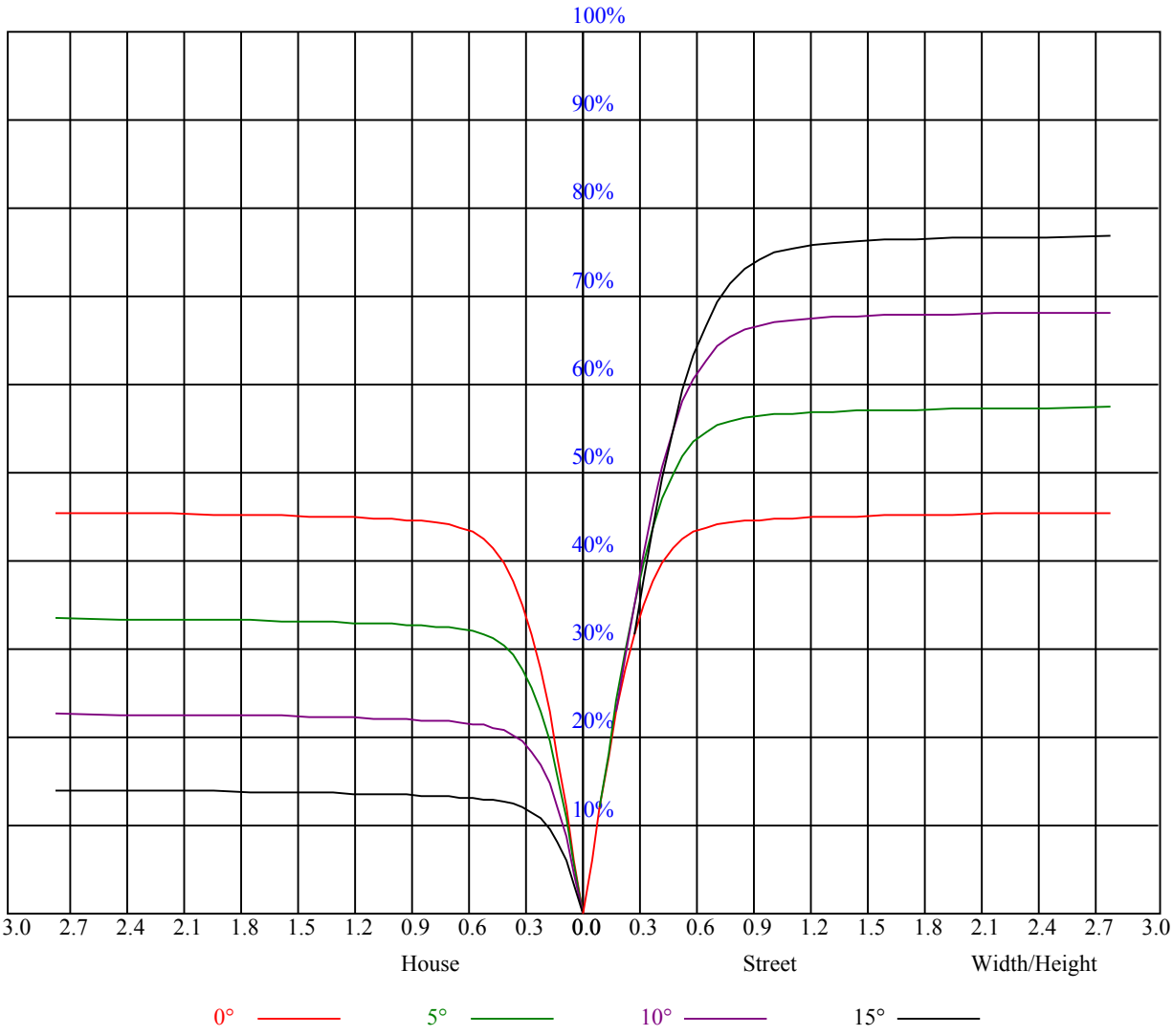


Equipment: GMS1980	Date: 2023/11/21	Operator: NT07
Temperature(°C): 0.0	Humidity(%): 0.0%	Distance(m): 7.44

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	1.09	1.09	1.09	1.06	1.06	1.06	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.92
1	1.02	1.00	0.98	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.96	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.87	0.85	0.84	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	0.78	0.84	0.80	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.75
5	0.82	0.78	0.75	0.82	0.77	0.74	0.80	0.76	0.74	0.79	0.75	0.73	0.77	0.75	0.72	0.71
6	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.74	0.72	0.69	0.68
7	0.75	0.71	0.68	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65
8	0.72	0.68	0.65	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.63
9	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.67	0.64	0.61	0.60
10	0.67	0.62	0.59	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.58

Coefficient Utilization Curve



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/21
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

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	2688.52	2680.77	2678.56	2651.44	2597.74	2542.39	2482.06	2424.49	2335.37
45.0	2707.34	2690.74	2682.99	2673.58	2644.80	2607.15	2557.89	2482.06	2416.74
90.0	2709.01	2701.81	2692.40	2669.70	2638.15	2577.82	2516.37	2426.15	2347.55
135.0	2721.18	2717.31	2713.99	2711.22	2692.40	2649.22	2603.28	2548.48	2468.77
180.0	2688.52	2708.45	2713.43	2713.43	2727.83	2723.95	2692.40	2651.99	2602.73
225.0	2707.34	2706.79	2708.45	2715.09	2707.90	2683.54	2639.81	2591.10	2534.64
270.0	2709.01	2713.43	2713.99	2704.02	2694.61	2683.54	2660.85	2626.53	2572.28
315.0	2721.18	2709.56	2697.38	2689.08	2674.69	2643.13	2593.32	2534.09	2468.77
360.0	2688.52	2680.77	2678.56	2651.44	2597.74	2542.39	2482.06	2424.49	2335.37

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2260.64	2178.16	2086.83	1958.41	1849.92	1709.32	1592.52	1474.07	1337.34
45.0	2342.56	2263.96	2152.70	2058.05	1953.98	1841.06	1693.27	1574.26	1424.25
90.0	2266.73	2145.51	2038.67	1929.07	1818.92	1673.89	1549.35	1428.12	1225.53
135.0	2392.94	2318.76	2234.07	2114.51	2003.80	1890.88	1767.44	1612.45	1490.12
180.0	2535.19	2468.77	2393.49	2310.46	2195.32	2096.79	1987.75	1865.97	1709.32
225.0	2471.54	2375.78	2293.85	2198.64	2097.90	1961.73	1847.15	1728.69	1579.24
270.0	2511.39	2430.02	2351.97	2249.02	2154.92	2053.07	1950.11	1813.94	1696.03
315.0	2400.69	2301.60	2219.13	2102.33	2008.23	1905.82	1769.65	1650.09	1530.53
360.0	2260.64	2178.16	2086.83	1958.41	1849.92	1709.32	1592.52	1474.07	1337.34

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1085.82	1085.82	1006.94	881.17	783.36	690.04	605.73	510.91	440.61
45.0	1308.56	1196.74	1064.45	961.49	862.41	768.31	658.15	574.02	502.61
90.0	1082.88	1055.70	949.76	827.04	738.25	650.85	552.32	484.12	422.62
135.0	1376.09	1233.28	1120.36	1014.08	885.66	789.90	700.22	596.71	522.54
180.0	1590.86	1439.19	1310.22	1189.55	1043.42	938.80	835.84	738.97	631.03
225.0	1454.14	1092.13	1092.13	1065.28	961.88	837.11	743.45	654.78	573.46
270.0	1578.13	1459.12	1300.26	1182.35	1073.31	969.24	846.91	755.58	668.67
315.0	1382.73	1096.50	1096.50	1042.20	914.22	816.35	724.52	638.61	541.69
360.0	1085.82	1085.82	1006.94	881.17	783.36	690.04	605.73	510.91	440.61

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	376.79	308.10	260.11	219.14	175.75	146.96	122.17	96.54	79.93
45.0	436.19	363.12	311.09	287.29	287.29	176.85	147.90	123.44	98.03
90.0	350.67	300.51	255.51	216.93	174.36	145.86	121.61	96.70	80.71
135.0	453.35	390.24	320.50	282.86	282.86	188.37	150.95	125.93	104.40
180.0	552.43	479.36	413.49	340.42	287.84	287.84	230.77	159.14	133.18
225.0	481.19	414.43	354.26	301.18	243.28	204.25	163.90	137.39	114.86
270.0	567.37	493.20	408.51	348.17	294.48	281.75	226.45	163.35	137.17
315.0	469.73	403.80	331.29	280.03	225.12	188.15	157.59	132.02	105.45
360.0	376.79	308.10	260.11	219.14	175.75	146.96	122.17	96.54	79.93

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	66.48	55.69	44.89	38.36	33.43	29.67	26.02	23.64	21.64
45.0	81.87	65.48	55.02	46.50	39.85	33.82	30.17	27.18	24.63
90.0	67.70	57.01	46.16	39.52	34.49	29.72	26.63	23.58	21.53
135.0	82.86	68.92	57.57	46.61	39.97	33.71	29.89	26.79	24.24
180.0	110.65	87.85	73.29	58.62	49.43	41.90	36.09	30.61	27.34
225.0	91.39	76.06	63.71	51.42	43.56	37.53	32.82	29.12	25.52
270.0	114.97	92.66	78.33	66.59	57.01	47.49	41.40	36.48	31.33
315.0	88.07	73.73	61.89	50.10	42.68	36.87	32.44	28.23	25.57
360.0	66.48	55.69	44.89	38.36	33.43	29.67	26.02	23.64	21.64

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	19.65	18.32	16.83	15.89	15.00	14.12	13.45	12.84	12.34
45.0	22.03	20.37	18.93	17.44	16.33	15.39	14.39	13.67	12.90
90.0	19.87	18.43	16.94	15.94	15.06	14.28	13.45	12.79	12.23
135.0	21.64	20.04	18.60	17.33	16.27	15.11	14.34	13.45	12.84
180.0	24.74	22.64	20.48	19.04	17.77	16.50	15.55	14.78	13.89
225.0	23.08	21.15	19.15	17.82	16.50	15.55	14.72	13.84	13.17
270.0	27.90	24.58	22.47	20.76	19.26	17.71	16.66	15.72	14.89
315.0	22.81	20.98	19.43	17.82	16.77	15.78	14.95	14.00	13.34
360.0	19.65	18.32	16.83	15.89	15.00	14.12	13.45	12.84	12.34

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	11.79	11.35	10.96	10.63	10.19	9.91	9.69	9.41	9.13
45.0	12.40	11.90	11.46	10.96	10.57	10.24	9.96	9.63	9.35
90.0	11.68	11.24	10.85	10.41	10.07	9.85	9.47	9.24	9.02
135.0	12.29	11.73	11.29	10.90	10.46	10.13	9.85	9.63	9.24
180.0	13.17	12.68	12.01	11.57	11.18	10.74	10.41	10.07	9.85
225.0	12.57	12.07	11.51	11.13	10.74	10.41	10.02	9.80	9.52
270.0	13.95	13.28	12.68	12.01	11.57	11.18	10.68	10.35	9.96
315.0	12.73	12.18	11.62	11.18	10.79	10.35	10.02	9.80	9.41
360.0	11.79	11.35	10.96	10.63	10.19	9.91	9.69	9.41	9.13

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	8.91	8.69	8.47	8.30	8.08	7.86	7.75	7.64	7.42
45.0	9.08	8.91	8.64	8.47	8.25	8.08	7.92	7.69	7.58
90.0	8.80	8.52	8.36	8.19	7.97	7.80	7.64	7.47	7.25
135.0	9.02	8.80	8.58	8.36	8.19	8.03	7.80	7.64	7.42
180.0	9.52	9.24	9.02	8.86	8.58	8.36	8.14	7.97	7.86
225.0	9.30	8.97	8.75	8.52	8.36	8.14	7.92	7.75	7.58
270.0	9.69	9.35	9.13	8.86	8.64	8.47	8.25	8.03	7.86
315.0	9.19	8.91	8.64	8.47	8.30	8.03	7.86	7.69	7.53
360.0	8.91	8.69	8.47	8.30	8.08	7.86	7.75	7.64	7.42

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.25	7.09	6.92	6.75	6.59	6.42	6.25	6.09	5.92
45.0	7.42	7.20	7.03	6.81	6.70	6.53	6.37	6.20	6.09
90.0	7.09	6.86	6.75	6.59	6.37	6.25	6.09	5.98	5.81
135.0	7.31	7.09	6.92	6.75	6.59	6.42	6.25	6.09	5.98
180.0	7.64	7.47	7.25	7.09	6.86	6.70	6.59	6.42	6.25
225.0	7.47	7.25	7.09	6.92	6.75	6.53	6.42	6.25	6.09
270.0	7.69	7.53	7.31	7.14	6.97	6.81	6.64	6.42	6.25
315.0	7.36	7.20	7.03	6.86	6.70	6.53	6.31	6.20	6.03
360.0	7.25	7.09	6.92	6.75	6.59	6.42	6.25	6.09	5.92

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.81	5.70	5.59	5.42	5.31	5.20	5.09	4.98	4.98
45.0	5.87	5.76	5.59	5.48	5.31	5.20	5.09	5.09	4.93
90.0	5.70	5.54	5.42	5.26	5.20	5.15	5.04	4.87	4.87
135.0	5.81	5.65	5.54	5.42	5.26	5.15	5.04	4.98	4.87
180.0	6.09	5.92	5.81	5.65	5.54	5.37	5.26	5.20	5.09
225.0	5.92	5.81	5.65	5.54	5.42	5.31	5.20	5.15	5.04
270.0	6.14	5.92	5.81	5.65	5.48	5.37	5.26	5.20	5.09
315.0	5.87	5.76	5.65	5.48	5.37	5.20	5.09	5.04	5.04
360.0	5.81	5.70	5.59	5.42	5.31	5.20	5.09	4.98	4.98

Intensity data(cd)

C/γ(°)	90.0
0.0	4.98
45.0	4.93
90.0	4.93
135.0	4.87
180.0	4.93
225.0	4.93
270.0	4.93
315.0	4.87
360.0	4.98