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NT

Client:
LumCAT: 1-1379-L
Luminaire: 92.70.427.00
Report No: 20231123-B015
Ballast type: AC

Test No: 20231123-C015	Voltage(V): 35.700
LampCAT: TRIDONIC SLE G7 9MM	Current(A): 0.331
Lamp flux(lm): 1796.1	Power (W): 11.816
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1598.36, Efficiency(%): 88.99% , Luminous Efficacy(lm/W): 135.27
Central intensity(cd): 4178.090, Maximum intensity(cd): 4178.090
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=34.2
[C90/270]Total=34.2
Field angle(10%Imax): [C0/180]Total=58.6
[C90/270]Total=58.6
Beam angle of C0 plane : 34.17
Aveage BeamAngle(IEC 61341):34.17
Maximum s/h(1/2): C0_180=0.56 C90_270=0.56
Maximum s/h(1/4): C0_180=0.55 C90_270=0.55
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 88.99%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.970%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4178.090	0.000	0	0.00%	0.00%
1.0	4174.077	3.996	3.996	0.22%	0.25%
2.0	4165.151	11.969	15.966	0.67%	1.00%
3.0	4138.166	19.859	35.824	1.11%	2.24%
4.0	4084.957	27.525	63.35	1.53%	3.96%
5.0	4014.035	34.841	98.191	1.94%	6.14%
6.0	3918.551	41.688	139.879	2.32%	8.75%
7.0	3809.158	47.966	187.845	2.67%	11.75%
8.0	3692.431	53.687	241.532	2.99%	15.11%
9.0	3550.726	58.702	300.234	3.27%	18.78%
10.0	3405.353	62.950	363.184	3.50%	22.72%
11.0	3244.205	66.443	429.627	3.70%	26.88%
12.0	3066.866	68.989	498.616	3.84%	31.20%
13.0	2889.389	70.686	569.302	3.94%	35.62%
14.0	2693.783	71.464	640.766	3.98%	40.09%
15.0	2495.409	71.240	712.005	3.97%	44.55%
16.0	2286.657	70.071	782.076	3.90%	48.93%
17.0	2105.859	68.403	850.479	3.81%	53.21%
18.0	1907.001	66.163	916.643	3.68%	57.35%
19.0	1723.988	63.172	979.814	3.52%	61.30%
20.0	1507.929	59.153	1038.967	3.29%	65.00%
21.0	1360.093	55.072	1094.039	3.07%	68.45%
22.0	1183.052	51.106	1145.145	2.85%	71.64%
23.0	1074.981	47.380	1192.524	2.64%	74.61%
24.0	943.066	44.122	1236.646	2.46%	77.37%
25.0	817.545	40.032	1276.679	2.23%	79.87%
26.0	708.443	36.021	1312.7	2.01%	82.13%
27.0	609.166	32.236	1344.935	1.79%	84.14%
28.0	519.507	28.576	1373.511	1.59%	85.93%
29.0	436.906	25.022	1398.533	1.39%	87.50%
30.0	366.095	21.681	1420.214	1.21%	88.85%
31.0	305.420	18.687	1438.902	1.04%	90.02%
32.0	260.529	16.214	1455.115	0.90%	91.04%
33.0	229.074	14.424	1469.539	0.80%	91.94%
34.0	190.610	12.701	1482.24	0.71%	92.73%
35.0	140.951	10.297	1492.537	0.57%	93.38%
36.0	115.897	8.178	1500.715	0.46%	93.89%
37.0	95.104	6.882	1507.597	0.38%	94.32%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	80.173	5.851	1513.447	0.33%	94.69%
39.0	67.365	5.036	1518.483	0.28%	95.00%
40.0	57.810	4.366	1522.849	0.24%	95.28%
41.0	50.268	3.849	1526.698	0.21%	95.52%
42.0	44.200	3.432	1530.13	0.19%	95.73%
43.0	39.848	3.113	1533.243	0.17%	95.93%
44.0	35.765	2.854	1536.097	0.16%	96.10%
45.0	32.541	2.625	1538.722	0.15%	96.27%
46.0	29.856	2.440	1541.162	0.14%	96.42%
47.0	27.788	2.293	1543.455	0.13%	96.56%
48.0	25.933	2.172	1545.627	0.12%	96.70%
49.0	24.210	2.059	1547.686	0.11%	96.83%
50.0	22.854	1.962	1549.648	0.11%	96.95%
51.0	21.595	1.881	1551.529	0.10%	97.07%
52.0	20.522	1.807	1553.336	0.10%	97.18%
53.0	19.540	1.743	1555.079	0.10%	97.29%
54.0	18.640	1.683	1556.761	0.09%	97.40%
55.0	17.865	1.630	1558.391	0.09%	97.50%
56.0	17.146	1.582	1559.973	0.09%	97.60%
57.0	16.565	1.541	1561.514	0.09%	97.69%
58.0	15.949	1.504	1563.018	0.08%	97.79%
59.0	15.416	1.466	1564.484	0.08%	97.88%
60.0	14.945	1.434	1565.919	0.08%	97.97%
61.0	14.489	1.405	1567.323	0.08%	98.06%
62.0	14.074	1.376	1568.7	0.08%	98.14%
63.0	13.700	1.351	1570.05	0.08%	98.23%
64.0	13.333	1.327	1571.377	0.07%	98.31%
65.0	12.967	1.302	1572.678	0.07%	98.39%
66.0	12.655	1.278	1573.957	0.07%	98.47%
67.0	12.378	1.259	1575.216	0.07%	98.55%
68.0	12.067	1.238	1576.454	0.07%	98.63%
69.0	11.811	1.218	1577.672	0.07%	98.71%
70.0	11.569	1.201	1578.873	0.07%	98.78%
71.0	11.320	1.183	1580.056	0.07%	98.85%
72.0	11.071	1.164	1581.22	0.06%	98.93%
73.0	10.794	1.143	1582.363	0.06%	99.00%
74.0	10.531	1.121	1583.485	0.06%	99.07%
75.0	10.261	1.099	1584.583	0.06%	99.14%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.991	1.075	1585.658	0.06%	99.21%
77.0	9.715	1.051	1586.709	0.06%	99.27%
78.0	9.673	1.038	1587.747	0.06%	99.34%
79.0	9.265	1.018	1588.764	0.06%	99.40%
80.0	9.016	0.986	1589.75	0.05%	99.46%
81.0	8.801	0.964	1590.713	0.05%	99.52%
82.0	8.566	0.942	1591.655	0.05%	99.58%
83.0	8.372	0.921	1592.576	0.05%	99.64%
84.0	8.151	0.900	1593.476	0.05%	99.69%
85.0	7.881	0.875	1594.351	0.05%	99.75%
86.0	7.597	0.846	1595.197	0.05%	99.80%
87.0	7.404	0.821	1596.018	0.05%	99.85%
88.0	7.189	0.799	1596.817	0.04%	99.90%
89.0	7.051	0.781	1597.598	0.04%	99.95%
90.0	6.912	0.766	1598.363	0.04%	100.00%

Zonal flux distribution table

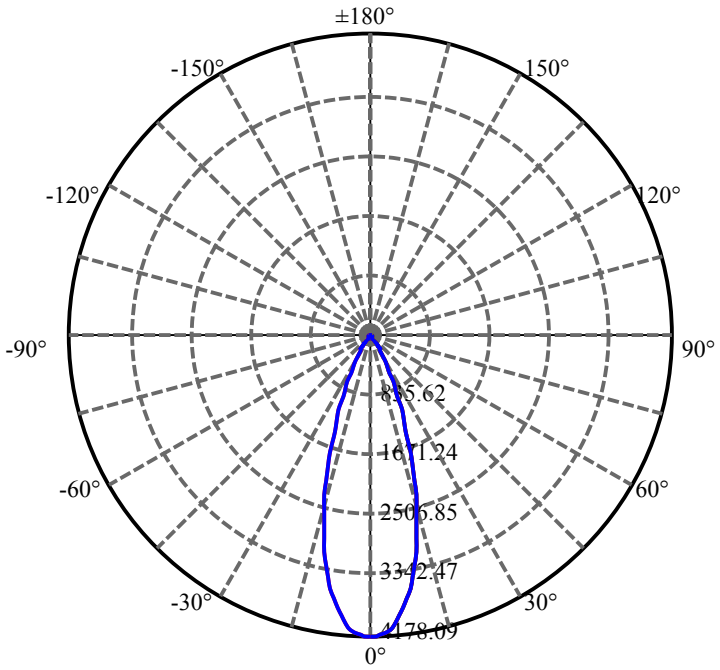
ZONAL LUMEN SUMMARY

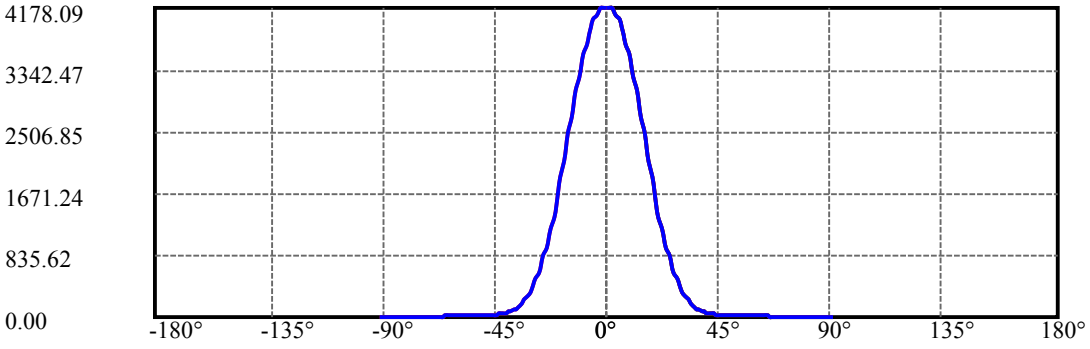
Zone	Lumens	%Lamp	%Fixt
0-30	1420.21	79.07%	88.85%
0-40	1522.85	84.79%	95.28%
0-60	1565.92	87.19%	97.97%
0-90	1597.60	88.95%	99.95%
0-120	1597.60	88.95%	99.95%
0-180	1598.36	88.99%	100.00%
60-90	31.68	1.76%	1.98%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.06	1278.69	71.19%	80.00%

ZONAL LUMEN SUMMARY

0-10	363.18
10-20	675.78
20-30	381.25
30-40	102.63
40-50	26.80
50-60	16.27
60-70	12.95
70-80	10.88
80-90	7.85
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):

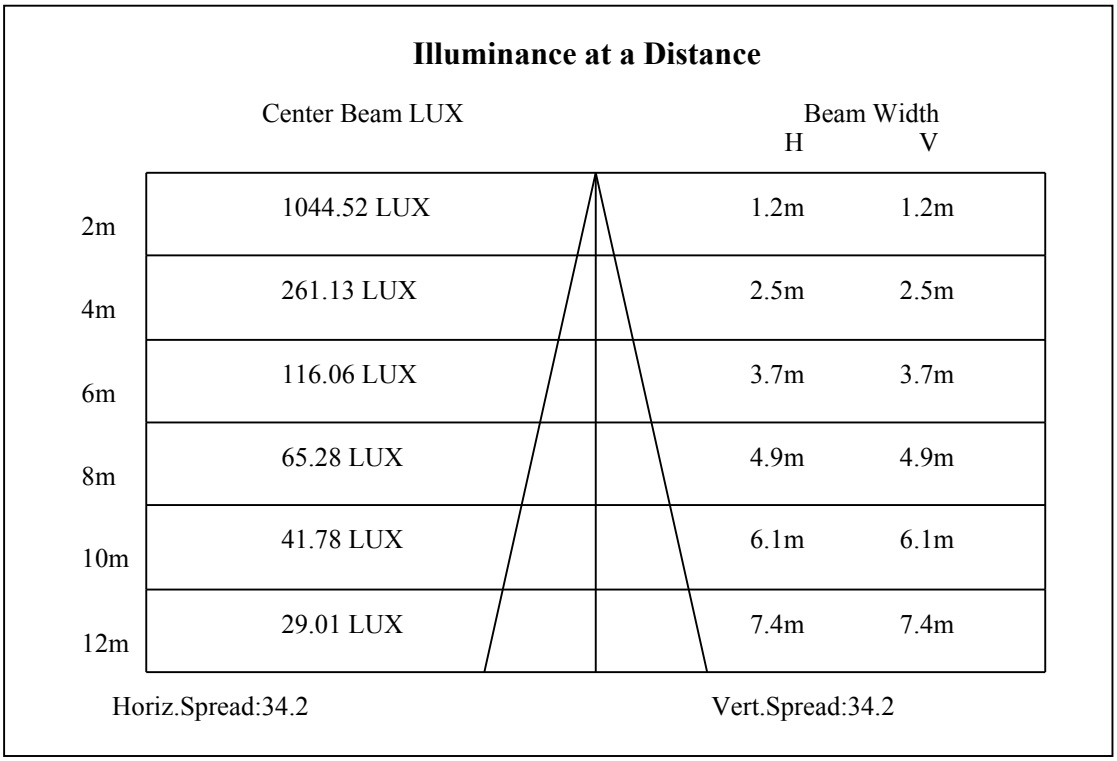
C0/C180:

C90/C270:

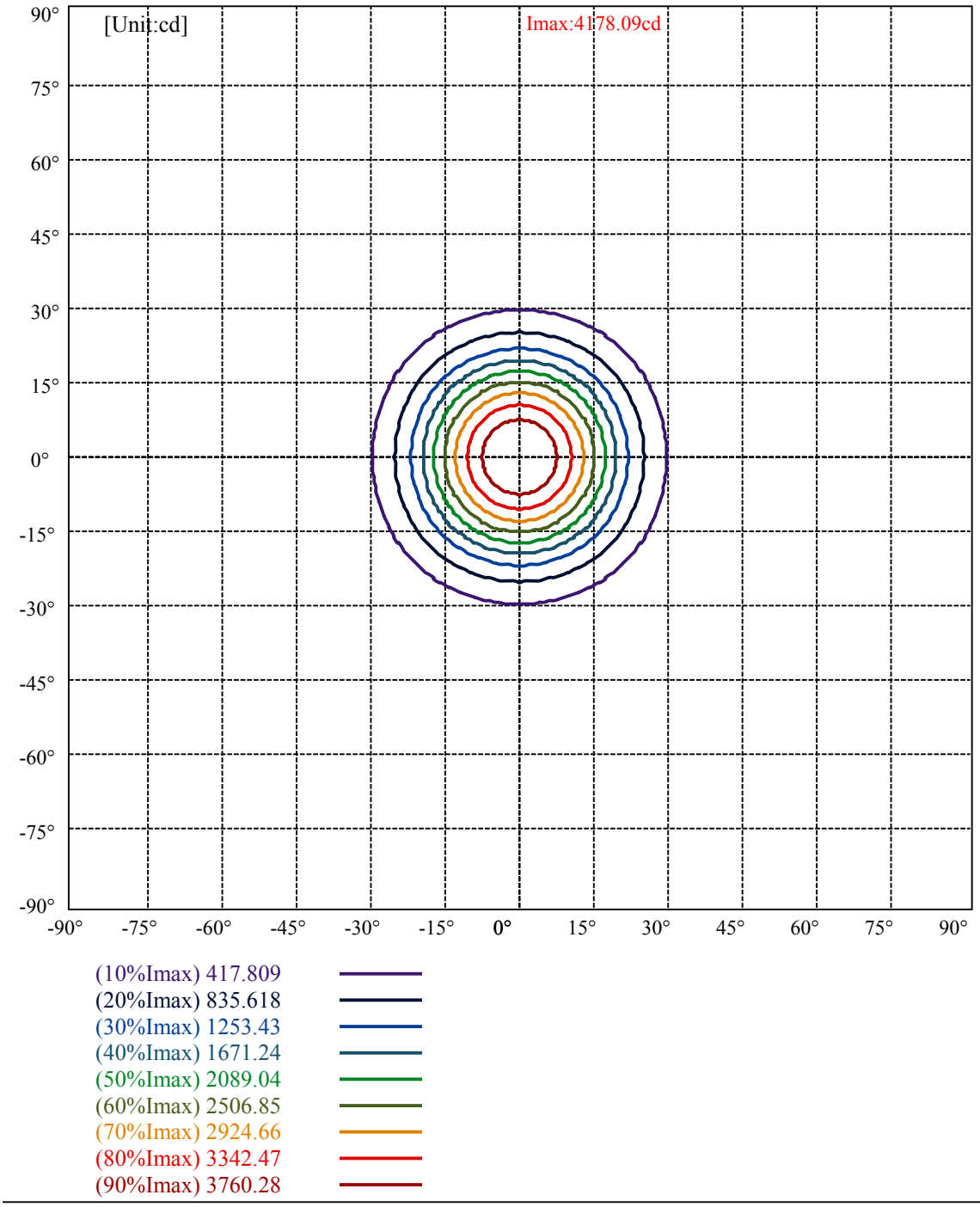
Field angle(10%Imax):C0/180Left:29.3 Right:29.3
:C90/270Left:29.3 Right:29.3

Beam Angle(50%Imax):C0/180Left:17.1 Right:17.1
:C90/270Left:17.1 Right:17.1

Lux distance Curve



ISO-Intensity(V-H)

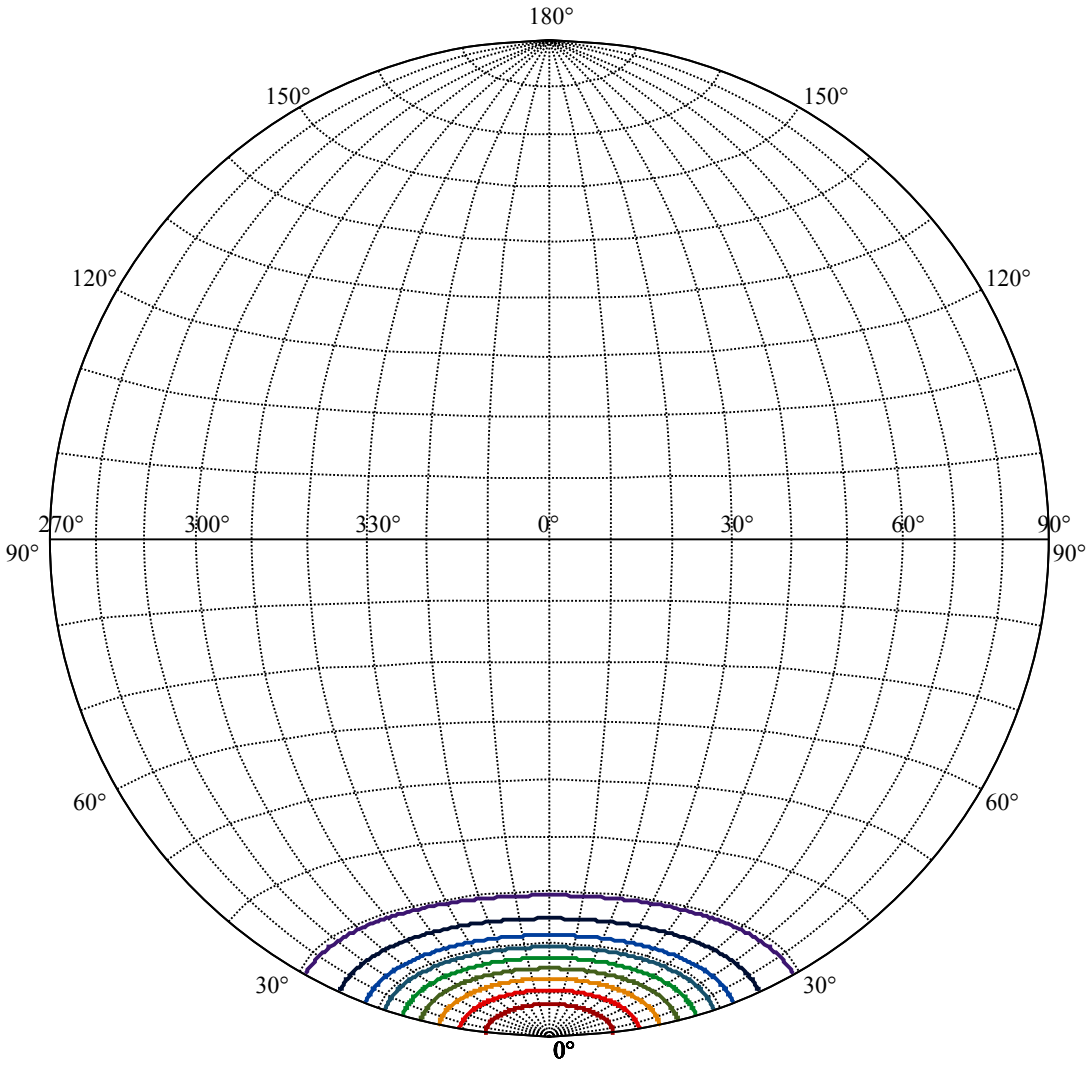


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/23
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

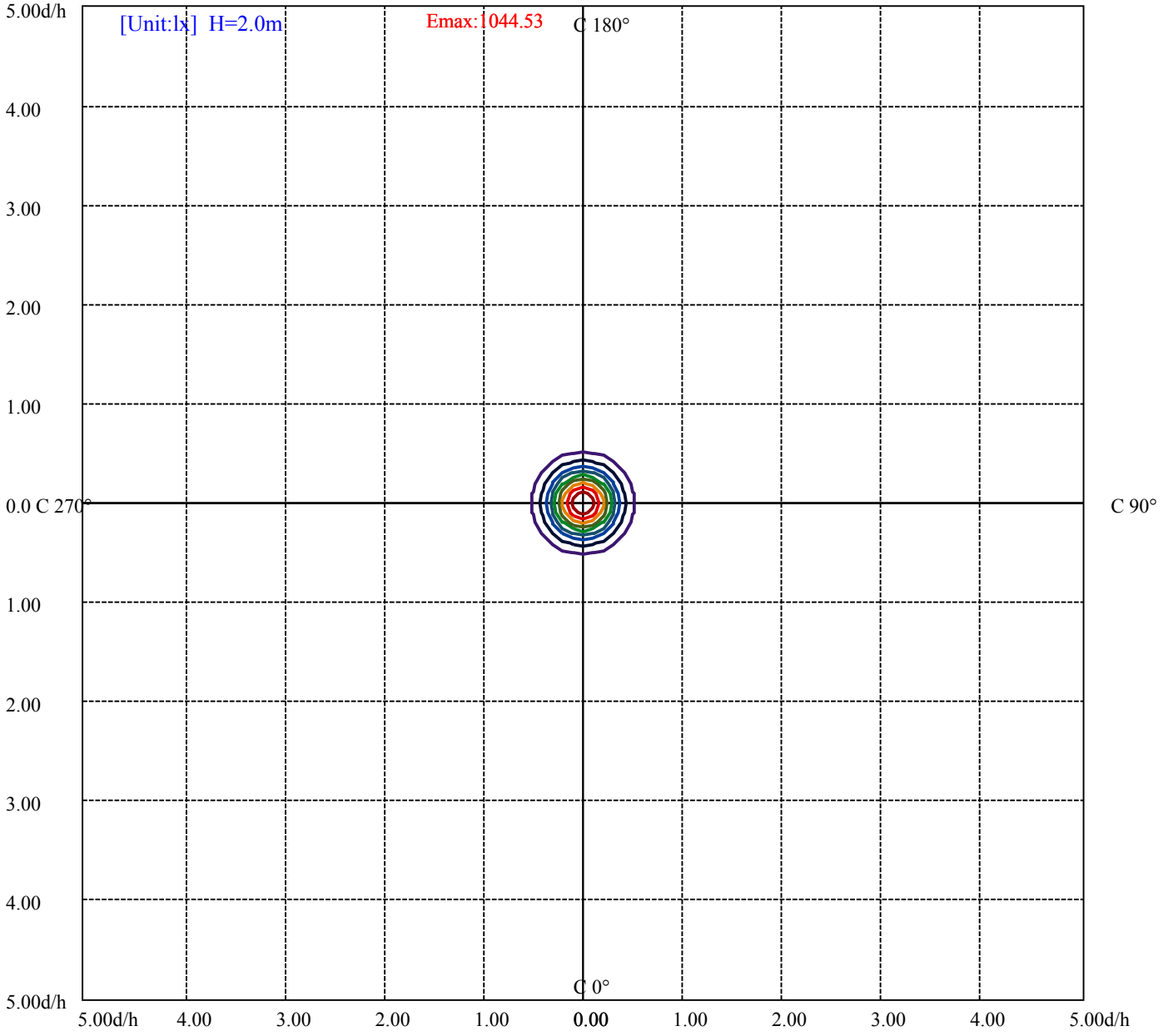
Imax:4178.09

(10%Imax) 417.809
(20%Imax) 835.618
(30%Imax) 1253.43
(40%Imax) 1671.24
(50%Imax) 2089.04
(60%Imax) 2506.85
(70%Imax) 2924.66
(80%Imax) 3342.47
(90%Imax) 3760.28

Equipment: GMS1980 Date: 2023/11/23 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

NT 1-1379-L

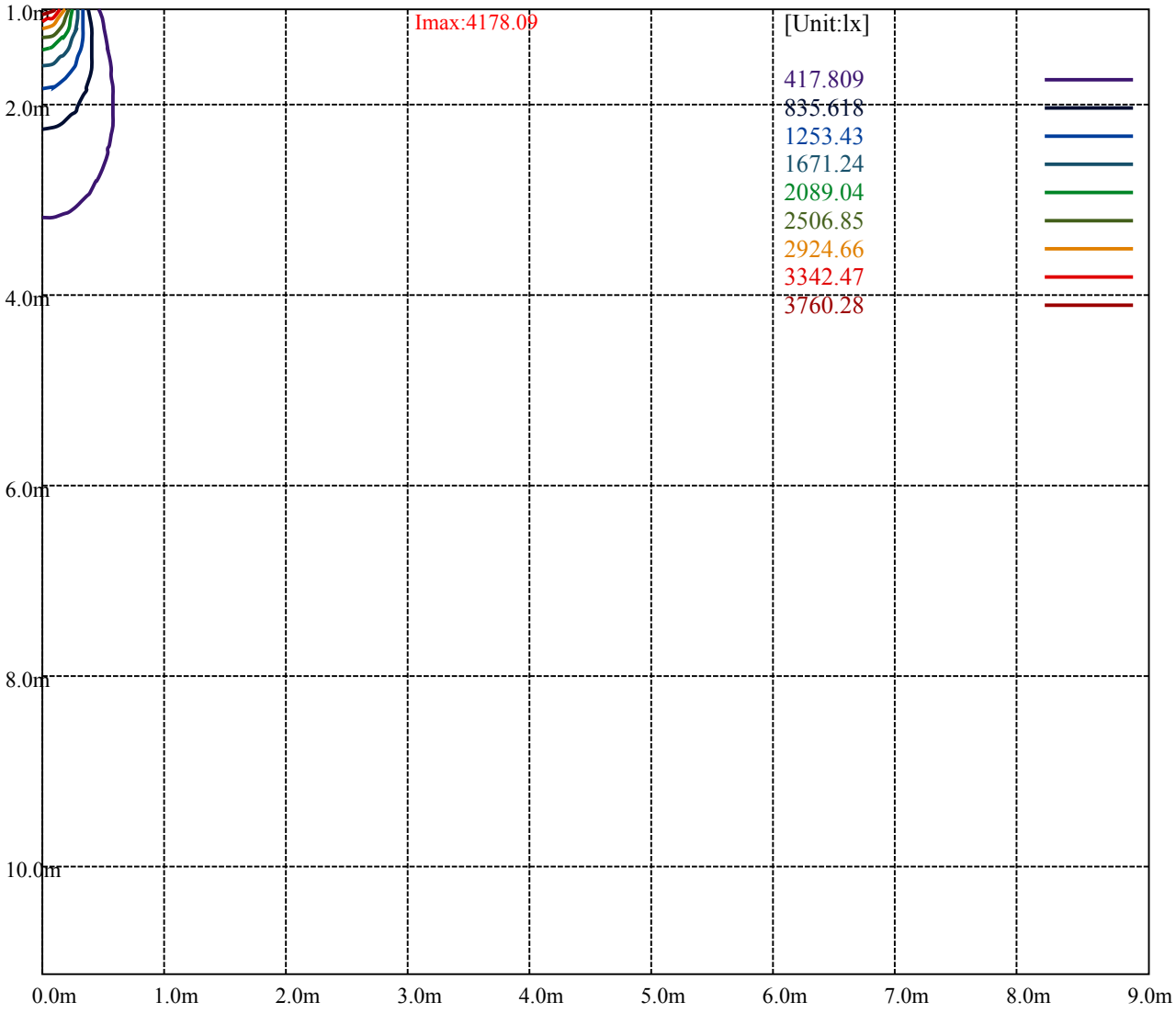
ISO illuminance diagram



(10%Emax) 104.4522
(20%Emax) 208.9045
(30%Emax) 313.3575
(40%Emax) 417.81
(50%Emax) 522.26
(60%Emax) 626.7125
(70%Emax) 731.165
(80%Emax) 835.6175
(90%Emax) 940.07

Equipment: GMS1980
Temperature(°C): 0.0
Date: 2023/11/23
Humidity(%): 0.0%
Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/23
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1379-L

Luminance Limitting Curve(no luminous side)

Luminance Table

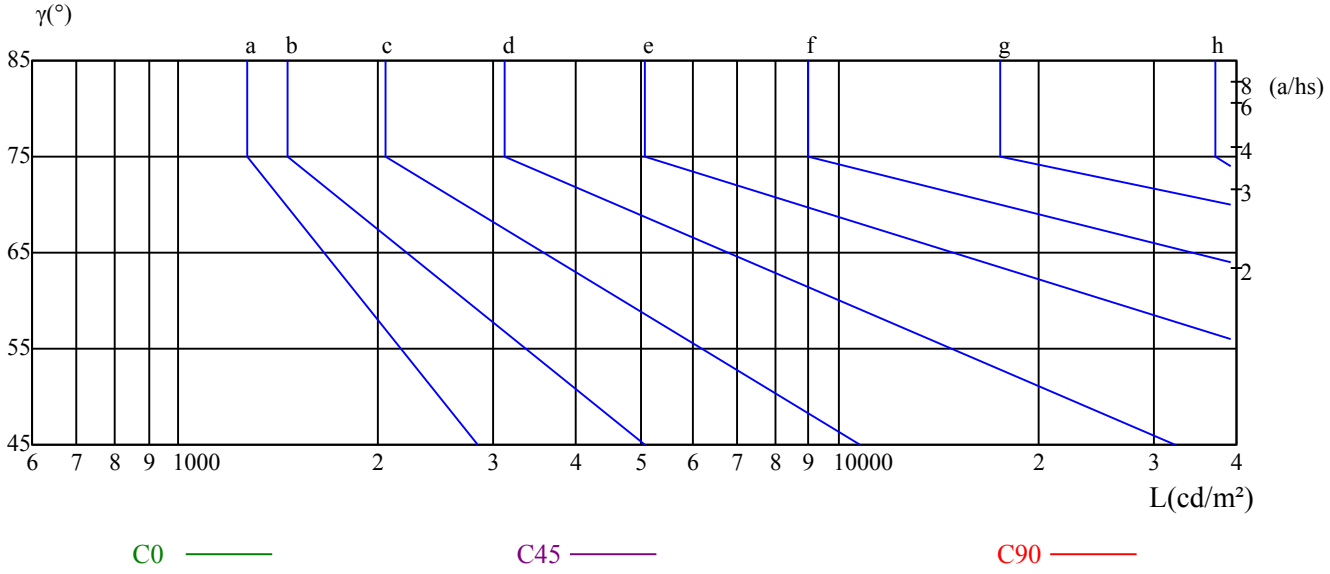
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

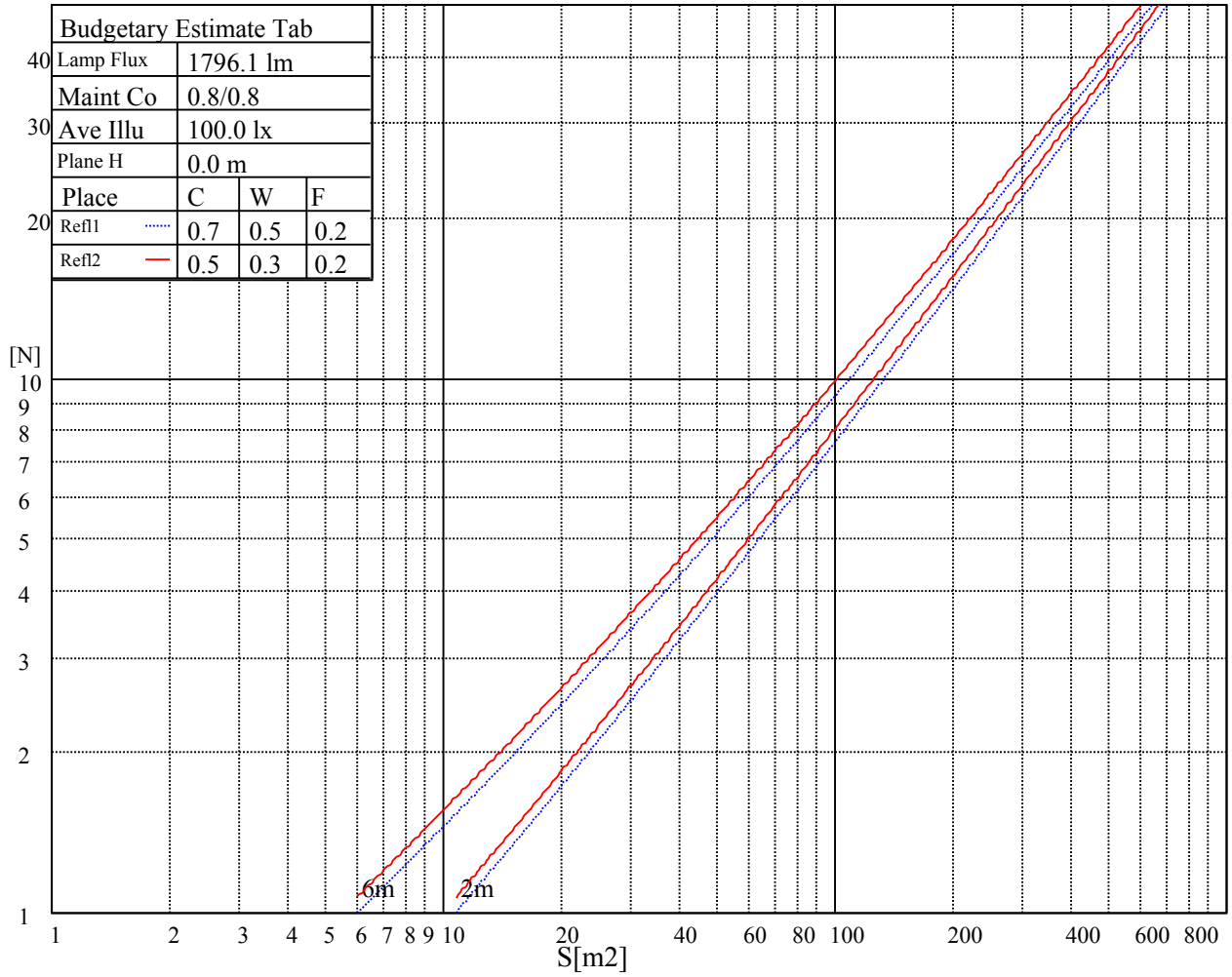
Date: 2023/11/23
Humidity(%): 0.0%

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

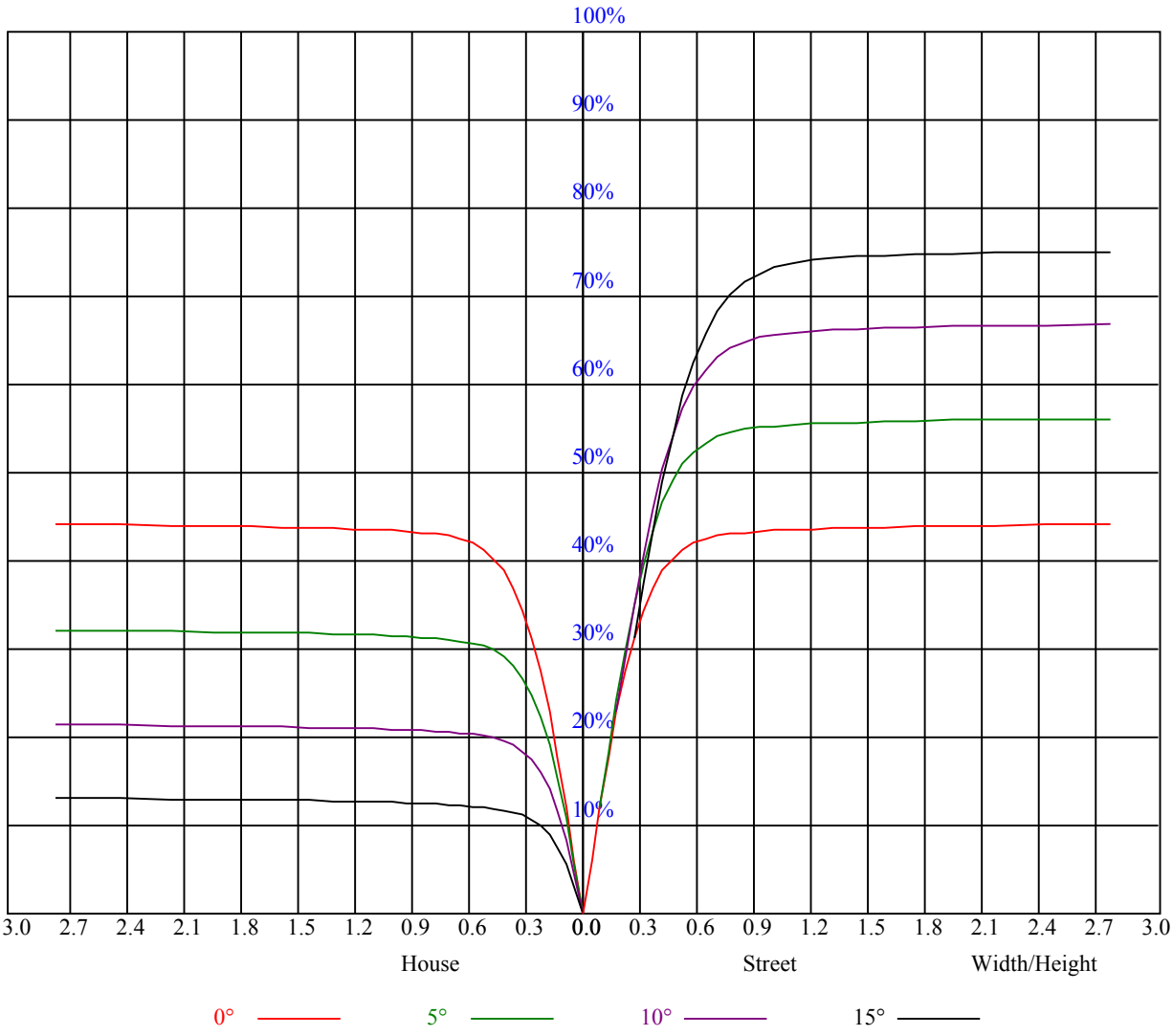


Equipment: GMS1980 Date: 2023/11/23 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.06	1.06	1.06	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.89
1	0.99	0.97	0.95	0.97	0.96	0.94	0.94	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86	0.84
2	0.94	0.90	0.88	0.92	0.89	0.87	0.89	0.87	0.85	0.87	0.85	0.83	0.84	0.83	0.81	0.80
3	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.81	0.79	0.78	0.76
4	0.84	0.80	0.77	0.83	0.80	0.77	0.82	0.78	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.73
5	0.80	0.76	0.73	0.80	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.71	0.75	0.73	0.71	0.70
6	0.77	0.73	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.67
7	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
8	0.71	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
9	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.66	0.62	0.60	0.59
10	0.66	0.61	0.59	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.57

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/23	Operator: NT07
Temperature(°C): 0.0	Humidity(%): 0.0%	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	4175.32	4165.36	4158.16	4106.13	4018.67	3902.98	3787.85	3678.80	3551.49
45.0	4174.21	4169.23	4162.59	4155.39	4077.90	4000.40	3909.07	3799.47	3659.98
90.0	4179.75	4167.57	4147.65	4103.36	4014.24	3912.39	3795.04	3633.41	3490.04
135.0	4183.07	4180.30	4176.43	4148.75	4095.06	4030.85	3918.48	3810.54	3694.30
180.0	4175.32	4185.84	4186.95	4174.77	4175.32	4145.98	4074.02	3979.92	3883.61
225.0	4174.21	4175.88	4164.80	4148.75	4101.70	4034.72	3932.87	3835.45	3734.15
270.0	4179.75	4178.64	4176.43	4155.39	4126.06	4090.63	4034.17	3941.18	3844.86
315.0	4183.07	4169.79	4148.20	4112.77	4070.70	3994.32	3896.89	3794.49	3681.01
360.0	4175.32	4165.36	4158.16	4106.13	4018.67	3902.98	3787.85	3678.80	3551.49

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3383.21	3238.19	3034.48	2861.78	2674.13	2441.65	2256.21	2076.31	1910.81
45.0	3523.81	3386.53	3245.38	3033.93	2861.78	2668.04	2472.09	2244.59	2055.83
90.0	3341.14	3130.80	2960.31	2779.30	2594.98	2359.72	2169.86	1986.64	1811.72
135.0	3523.81	3387.09	3196.12	3023.97	2843.51	2654.21	2407.88	2209.16	2021.51
180.0	3750.21	3628.98	3487.83	3299.07	3137.44	2973.60	2791.48	2541.28	2356.40
225.0	3625.11	3470.67	3335.61	3176.19	2961.97	2785.95	2597.74	2365.81	2182.04
270.0	3726.40	3602.41	3433.03	3295.20	3142.98	2936.51	2768.23	2553.46	2377.44
315.0	3532.11	3398.16	3260.88	3065.48	2898.31	2730.59	2499.77	2315.99	2131.11
360.0	3383.21	3238.19	3034.48	2861.78	2674.13	2441.65	2256.21	2076.31	1910.81

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1707.66	1551.01	1276.45	1095.12	1060.96	931.93	817.35	687.27	596.66
45.0	1836.08	1668.91	1513.92	1323.50	1180.69	1048.40	890.09	782.15	684.17
90.0	1600.27	1435.87	1080.72	1080.72	987.01	869.22	737.86	644.81	562.89
135.0	1843.83	1638.47	1475.73	1328.49	1191.76	1037.33	915.55	776.61	676.42
180.0	2174.29	1988.30	1763.57	1587.54	1422.03	1238.26	1102.64	936.58	825.88
225.0	1953.98	1774.64	1609.13	1450.26	1080.61	1080.61	983.36	862.52	726.52
270.0	2190.34	2000.48	1771.32	1599.17	1441.41	1294.17	1123.12	992.49	870.16
315.0	1949.55	1734.23	1572.60	1415.95	1099.93	1099.93	974.56	857.93	724.86
360.0	1707.66	1551.01	1276.45	1095.12	1060.96	931.93	817.35	687.27	596.66

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	511.41	419.75	355.81	299.85	241.40	202.37	168.99	133.57	111.26
45.0	597.82	515.90	425.67	362.57	306.11	280.64	280.64	168.16	132.90
90.0	466.96	399.43	340.65	287.95	231.49	194.01	161.85	134.51	107.39
135.0	585.09	483.79	411.83	349.28	294.48	281.75	227.45	163.51	136.17
180.0	722.92	628.82	519.22	442.83	371.98	312.19	285.07	285.07	170.71
225.0	626.66	536.49	456.45	370.15	310.48	260.16	208.30	174.14	145.47
270.0	734.54	632.14	543.02	441.72	372.53	301.12	288.39	288.39	175.08
315.0	627.93	539.75	442.61	374.41	314.91	251.97	211.89	177.52	148.62
360.0	511.41	419.75	355.81	299.85	241.40	202.37	168.99	133.57	111.26

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	92.88	78.16	63.49	54.80	47.99	42.90	37.81	34.60	31.22
45.0	111.04	88.90	75.00	63.55	54.86	47.05	42.35	38.42	35.15
90.0	90.39	73.45	62.60	54.41	46.66	41.96	38.03	34.65	31.27
135.0	108.99	91.44	77.55	63.49	55.19	48.71	42.57	38.53	35.04
180.0	141.98	112.87	94.82	76.72	65.21	55.85	47.22	42.12	38.03
225.0	115.69	96.92	81.81	66.70	57.40	49.98	44.28	39.74	35.32
270.0	147.46	119.18	101.74	87.51	75.78	63.71	56.18	49.98	43.23
315.0	118.73	99.91	84.36	71.74	59.39	51.98	45.17	40.74	36.87
360.0	92.88	78.16	63.49	54.80	47.99	42.90	37.81	34.60	31.22

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	29.01	27.07	24.96	23.53	22.31	21.20	19.98	19.15	18.32
45.0	31.72	29.50	27.51	25.74	23.80	22.53	21.09	20.15	19.26
90.0	29.06	27.01	25.35	23.58	22.31	21.20	19.98	19.10	18.32
135.0	31.66	29.39	27.40	25.63	23.75	22.47	21.31	20.31	19.15
180.0	34.71	31.27	29.17	27.23	25.57	23.80	22.58	21.53	20.31
225.0	32.38	29.39	27.46	25.74	23.91	22.64	21.48	20.26	19.43
270.0	38.97	34.93	32.22	30.00	27.57	25.85	24.41	23.08	21.86
315.0	32.82	30.28	28.23	26.02	24.47	23.14	21.92	20.59	19.65
360.0	29.01	27.07	24.96	23.53	22.31	21.20	19.98	19.15	18.32

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.66	16.94	16.33	15.83	15.33	14.78	14.39	13.95	13.56
45.0	18.32	17.60	16.99	16.44	15.83	15.33	14.89	14.45	13.95
90.0	17.49	16.83	16.16	15.67	15.22	14.78	14.28	13.95	13.56
135.0	18.43	17.71	16.94	16.38	15.78	15.33	14.89	14.34	14.00
180.0	19.37	18.60	17.77	17.10	16.38	15.89	15.39	14.95	14.45
225.0	18.60	17.66	17.05	16.50	15.94	15.28	14.89	14.45	14.06
270.0	20.48	19.60	18.76	17.99	17.16	16.55	15.89	15.39	14.95
315.0	18.76	17.99	17.16	16.61	15.94	15.39	14.95	14.45	14.06
360.0	17.66	16.94	16.33	15.83	15.33	14.78	14.39	13.95	13.56

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.28	12.84	12.57	12.29	12.01	11.68	11.46	11.24	10.96
45.0	13.62	13.28	12.84	12.57	12.29	11.90	11.68	11.46	11.13
90.0	13.23	12.95	12.62	12.34	12.12	11.85	11.62	11.40	11.13
135.0	13.67	13.34	13.01	12.73	12.45	12.23	12.01	11.85	11.73
180.0	14.06	13.67	13.28	12.90	12.62	12.34	12.07	11.73	11.51
225.0	13.62	13.28	12.84	12.57	12.29	11.90	11.62	11.40	11.18
270.0	14.45	14.00	13.67	13.23	12.90	12.57	12.29	11.96	11.68
315.0	13.67	13.28	12.90	12.62	12.34	12.07	11.73	11.51	11.24
360.0	13.28	12.84	12.57	12.29	12.01	11.68	11.46	11.24	10.96

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.68	10.46	10.13	9.91	9.69	9.35	9.13	8.97	8.75
45.0	10.90	10.63	10.41	10.13	9.91	9.63	9.41	9.13	8.97
90.0	10.96	10.63	10.41	10.13	9.80	9.52	9.35	9.13	8.91
135.0	11.46	11.18	10.96	10.63	10.30	10.02	11.24	9.80	9.30
180.0	11.24	10.96	10.68	10.35	10.13	9.91	9.69	9.35	9.13
225.0	10.90	10.63	10.35	10.13	9.85	9.58	9.35	9.08	8.86
270.0	11.46	11.18	10.85	10.63	10.35	10.02	9.80	9.47	9.19
315.0	10.96	10.68	10.46	10.19	9.91	9.69	9.41	9.19	9.02
360.0	10.68	10.46	10.13	9.91	9.69	9.35	9.13	8.97	8.75

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.58	8.36	8.19	7.80	7.53	7.36	7.20	7.03	6.86
45.0	8.75	8.52	8.25	8.08	7.69	7.53	7.36	7.20	6.92
90.0	8.69	8.41	8.25	8.08	7.53	7.36	7.20	6.92	6.92
135.0	8.91	8.69	8.47	8.25	8.03	7.47	7.25	7.03	6.86
180.0	8.97	8.75	8.52	8.36	8.14	7.97	7.80	7.31	7.25
225.0	8.69	8.47	8.30	8.14	7.97	7.53	7.42	7.31	7.09
270.0	9.02	8.75	8.58	8.36	8.19	8.03	7.58	7.47	7.31
315.0	8.80	8.58	8.41	8.14	7.97	7.53	7.42	7.25	7.20
360.0	8.58	8.36	8.19	7.80	7.53	7.36	7.20	7.03	6.86

Intensity data(cd)

C/γ(°)	90.0
0.0	6.92
45.0	6.92
90.0	6.92
135.0	6.86
180.0	6.92
225.0	6.86
270.0	7.03
315.0	6.86
360.0	6.92