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NT

Client:
LumCAT: 1-1378-L
Luminaire: 92.70.427.00
Report No: 20231110-B009
Ballast type: AC

Test No: 20231110-C009	Voltage(V): 34.740
LampCAT: Fortimo_SLM_C_1204	Current(A): 0.320
Lamp flux(lm): 1750.7	Power (W): 11.116
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1589.74, Efficiency(%): 90.81% , Luminous Efficacy(lm/W): 143.01
Central intensity(cd): 5406.663, Maximum intensity(cd): 5406.663
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=26.6
[C90/270]Total=26.6
Field angle(10%Imax): [C0/180]Total=55.4
[C90/270]Total=55.4
Maximum s/h(1/2): C0_180=0.45 C90_270=0.45
Maximum s/h(1/4): C0_180=0.47 C90_270=0.47
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 90.81%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.958%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5406.663	0.000	0	0.00%	0.00%
1.0	5377.602	5.160	5.16	0.29%	0.32%
2.0	5314.361	15.346	20.506	0.88%	1.29%
3.0	5208.705	25.168	45.674	1.44%	2.87%
4.0	5065.961	34.393	80.066	1.96%	5.04%
5.0	4877.828	42.778	122.844	2.44%	7.73%
6.0	4663.333	50.141	172.986	2.86%	10.88%
7.0	4421.853	56.392	229.377	3.22%	14.43%
8.0	4165.704	61.460	290.837	3.51%	18.29%
9.0	3906.096	65.418	356.254	3.74%	22.41%
10.0	3618.188	68.092	424.346	3.89%	26.69%
11.0	3341.005	69.537	493.883	3.97%	31.07%
12.0	3055.450	69.922	563.805	3.99%	35.47%
13.0	2782.764	69.285	633.09	3.96%	39.82%
14.0	2530.905	68.014	701.105	3.89%	44.10%
15.0	2277.455	66.011	767.116	3.77%	48.25%
16.0	2046.561	63.359	830.475	3.62%	52.24%
17.0	1827.499	60.330	890.804	3.45%	56.03%
18.0	1646.354	57.276	948.081	3.27%	59.64%
19.0	1474.066	54.289	1002.37	3.10%	63.05%
20.0	1303.086	50.830	1053.199	2.90%	66.25%
21.0	1179.613	47.673	1100.872	2.72%	69.25%
22.0	1093.427	45.678	1146.55	2.61%	72.12%
23.0	996.559	43.854	1190.403	2.50%	74.88%
24.0	893.248	41.318	1231.721	2.36%	77.48%
25.0	793.196	38.346	1270.067	2.19%	79.89%
26.0	697.165	35.180	1305.247	2.01%	82.10%
27.0	604.261	31.840	1337.087	1.82%	84.11%
28.0	514.076	28.314	1365.401	1.62%	85.89%
29.0	432.512	24.765	1390.166	1.41%	87.45%
30.0	354.955	21.261	1411.428	1.21%	88.78%
31.0	290.378	17.959	1429.387	1.03%	89.91%
32.0	245.528	15.353	1444.74	0.88%	90.88%
33.0	192.250	12.897	1457.637	0.74%	91.69%
34.0	144.701	10.197	1467.834	0.58%	92.33%
35.0	117.267	8.136	1475.97	0.46%	92.84%
36.0	101.691	6.972	1482.941	0.40%	93.28%
37.0	90.600	6.271	1489.213	0.36%	93.68%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	81.314	5.738	1494.951	0.33%	94.04%
39.0	73.773	5.294	1500.245	0.30%	94.37%
40.0	66.417	4.889	1505.134	0.28%	94.68%
41.0	60.197	4.509	1509.643	0.26%	94.96%
42.0	54.994	4.185	1513.828	0.24%	95.23%
43.0	50.053	3.891	1517.719	0.22%	95.47%
44.0	45.660	3.612	1521.331	0.21%	95.70%
45.0	41.896	3.365	1524.696	0.19%	95.91%
46.0	38.408	3.141	1527.837	0.18%	96.11%
47.0	35.461	2.938	1530.775	0.17%	96.29%
48.0	32.700	2.755	1533.53	0.16%	96.46%
49.0	30.188	2.583	1536.113	0.15%	96.63%
50.0	27.988	2.426	1538.538	0.14%	96.78%
51.0	26.106	2.289	1540.827	0.13%	96.92%
52.0	24.383	2.167	1542.994	0.12%	97.06%
53.0	22.882	2.056	1545.05	0.12%	97.19%
54.0	21.546	1.958	1547.008	0.11%	97.31%
55.0	20.405	1.873	1548.88	0.11%	97.43%
56.0	19.395	1.798	1550.679	0.10%	97.54%
57.0	18.488	1.732	1552.411	0.10%	97.65%
58.0	17.692	1.673	1554.084	0.10%	97.76%
59.0	16.994	1.622	1555.706	0.09%	97.86%
60.0	16.343	1.575	1557.281	0.09%	97.96%
61.0	15.748	1.531	1558.812	0.09%	98.05%
62.0	15.195	1.491	1560.303	0.09%	98.15%
63.0	14.662	1.452	1561.755	0.08%	98.24%
64.0	14.136	1.413	1563.168	0.08%	98.33%
65.0	13.672	1.376	1564.544	0.08%	98.42%
66.0	13.230	1.342	1565.887	0.08%	98.50%
67.0	12.766	1.307	1567.194	0.07%	98.58%
68.0	12.323	1.271	1568.465	0.07%	98.66%
69.0	11.936	1.238	1569.702	0.07%	98.74%
70.0	11.555	1.206	1570.909	0.07%	98.82%
71.0	11.147	1.173	1572.082	0.07%	98.89%
72.0	10.794	1.141	1573.223	0.07%	98.96%
73.0	10.441	1.110	1574.333	0.06%	99.03%
74.0	10.123	1.081	1575.414	0.06%	99.10%
75.0	9.811	1.053	1576.468	0.06%	99.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.507	1.025	1577.493	0.06%	99.23%
77.0	9.251	1.000	1578.493	0.06%	99.29%
78.0	8.988	0.976	1579.47	0.06%	99.35%
79.0	8.760	0.954	1580.423	0.05%	99.41%
80.0	8.490	0.930	1581.353	0.05%	99.47%
81.0	8.331	0.910	1582.263	0.05%	99.53%
82.0	8.165	0.895	1583.157	0.05%	99.59%
83.0	7.978	0.878	1584.035	0.05%	99.64%
84.0	7.791	0.859	1584.894	0.05%	99.70%
85.0	7.604	0.840	1585.734	0.05%	99.75%
86.0	7.480	0.825	1586.559	0.05%	99.80%
87.0	7.341	0.811	1587.37	0.05%	99.85%
88.0	7.210	0.797	1588.167	0.05%	99.90%
89.0	7.161	0.788	1588.954	0.04%	99.95%
90.0	7.120	0.783	1589.737	0.04%	100.00%

Zonal flux distribution table

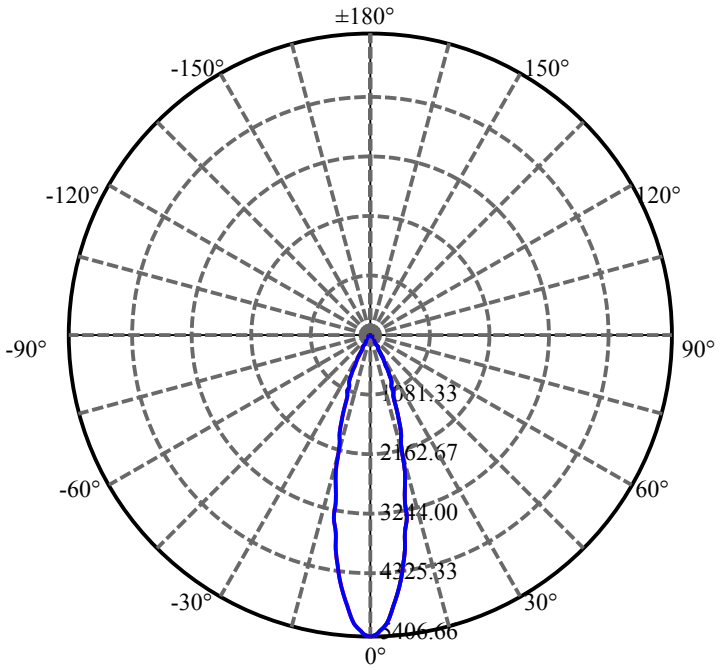
ZONAL LUMEN SUMMARY

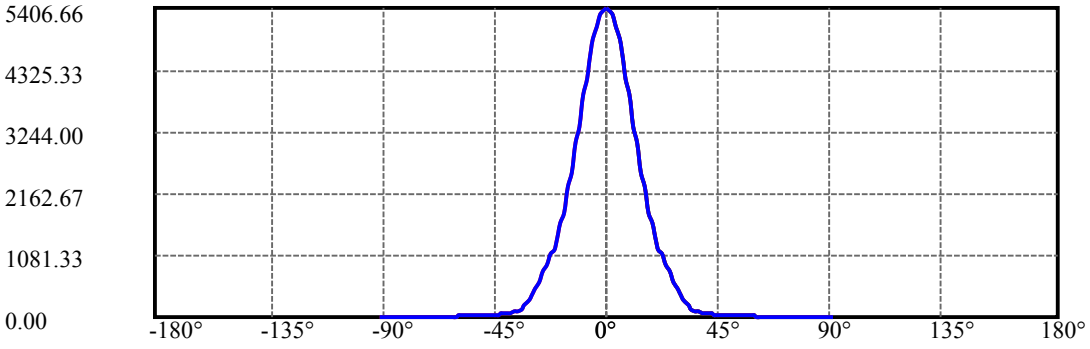
Zone	Lumens	%Lamp	%Fixt
0-30	1411.43	80.62%	88.78%
0-40	1505.13	85.98%	94.68%
0-60	1557.28	88.95%	97.96%
0-90	1588.95	90.76%	99.95%
0-120	1588.95	90.76%	99.95%
0-180	1589.74	90.81%	100.00%
60-90	31.67	1.81%	1.99%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.05	1271.79	72.65%	80.00%

ZONAL LUMEN SUMMARY

0-10	424.35
10-20	628.85
20-30	358.23
30-40	93.71
40-50	33.40
50-60	18.74
60-70	13.63
70-80	10.44
80-90	7.60
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:

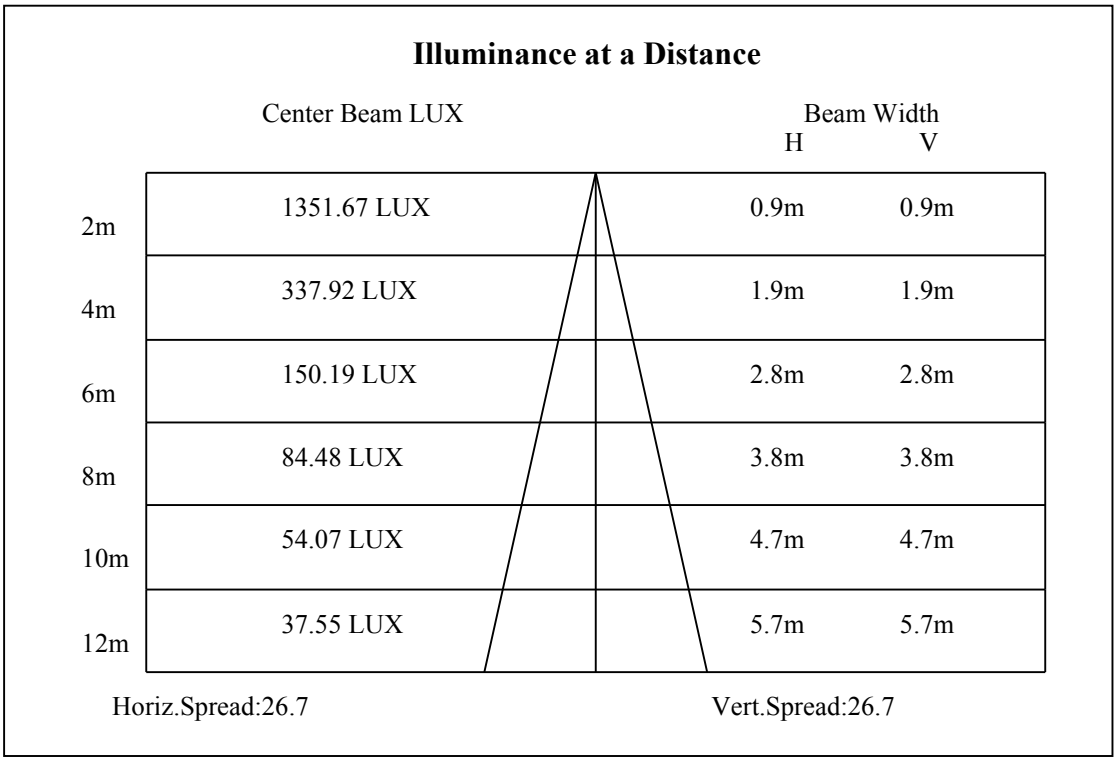
C90/C270:

Field angle(10%Imax):C0/180Left:27.7 Right:27.7
:C90/270Left:27.7 Right:27.7

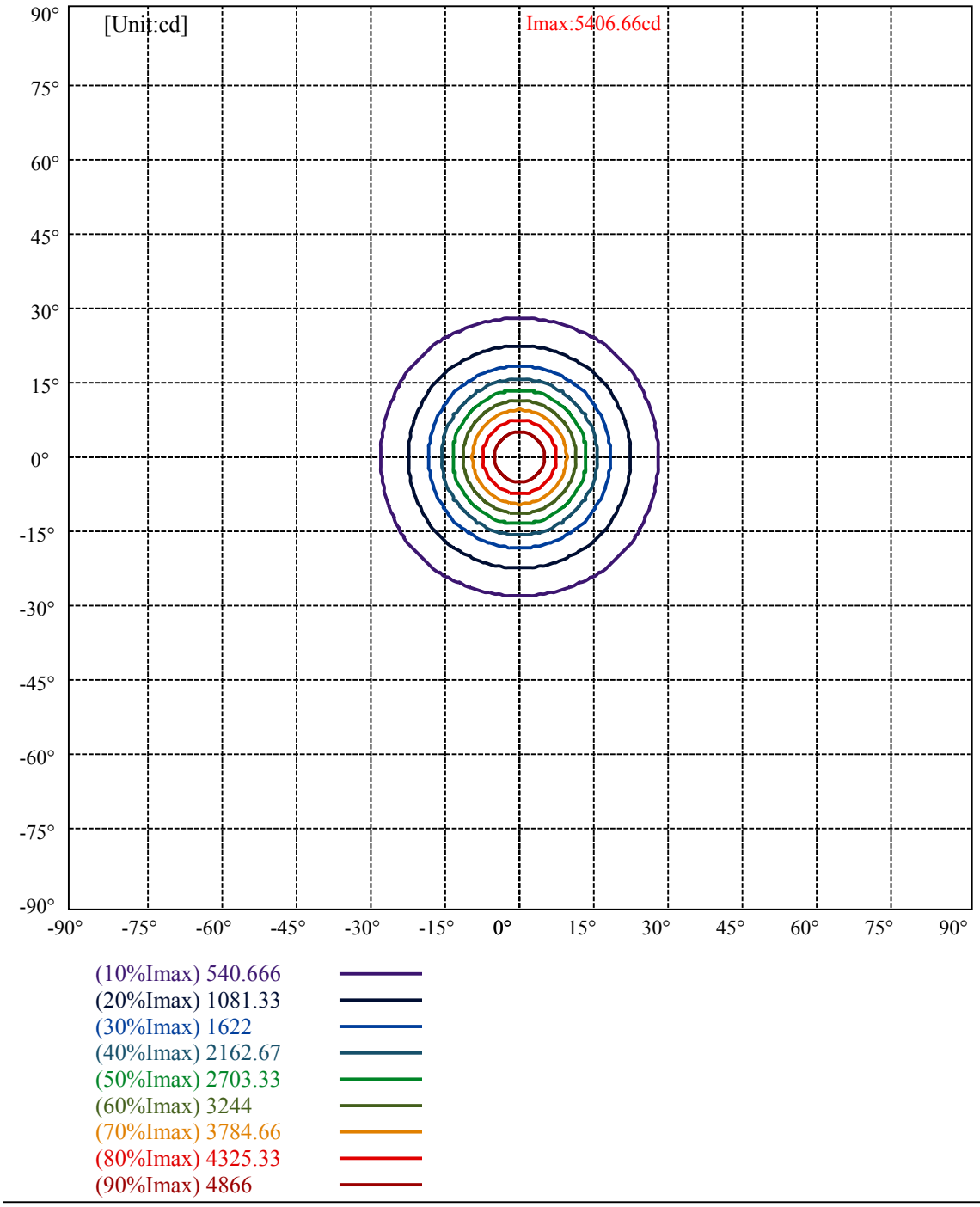
Beam Angle(50%Imax):C0/180Left:13.3 Right:13.3
:C90/270Left:13.3 Right:13.3

Equipment: GMS1980	Date: 2023/11/10	Operator: NT07
Temperature(°C): 0.0	Humidity(%): 0.0%	Distance(m): 7.44

Lux distance Curve



ISO-Intensity(V-H)

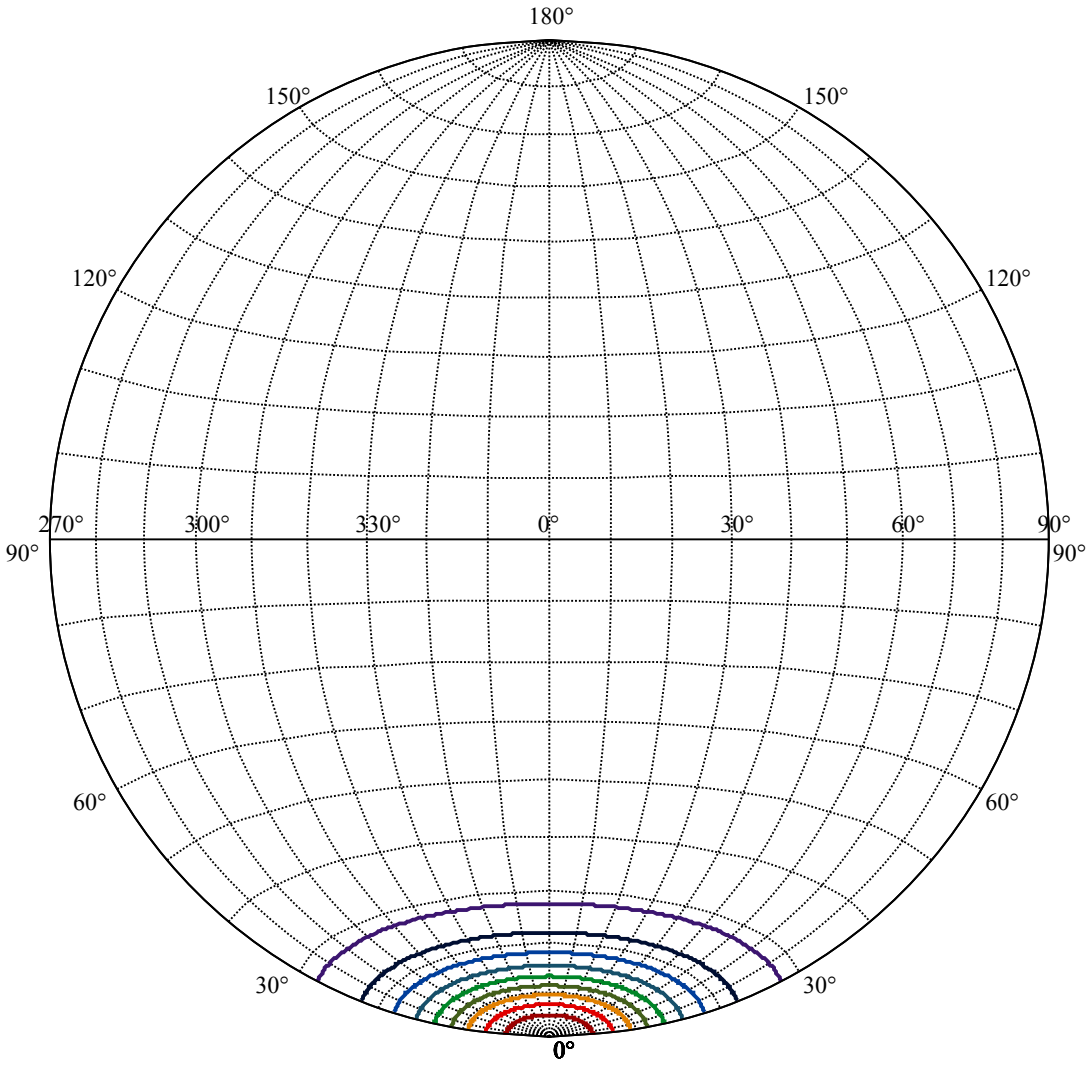


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/10
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:5406.66

(10%Imax) 540.666
(20%Imax) 1081.33
(30%Imax) 1622
(40%Imax) 2162.67
(50%Imax) 2703.33
(60%Imax) 3244
(70%Imax) 3784.66
(80%Imax) 4325.33
(90%Imax) 4866

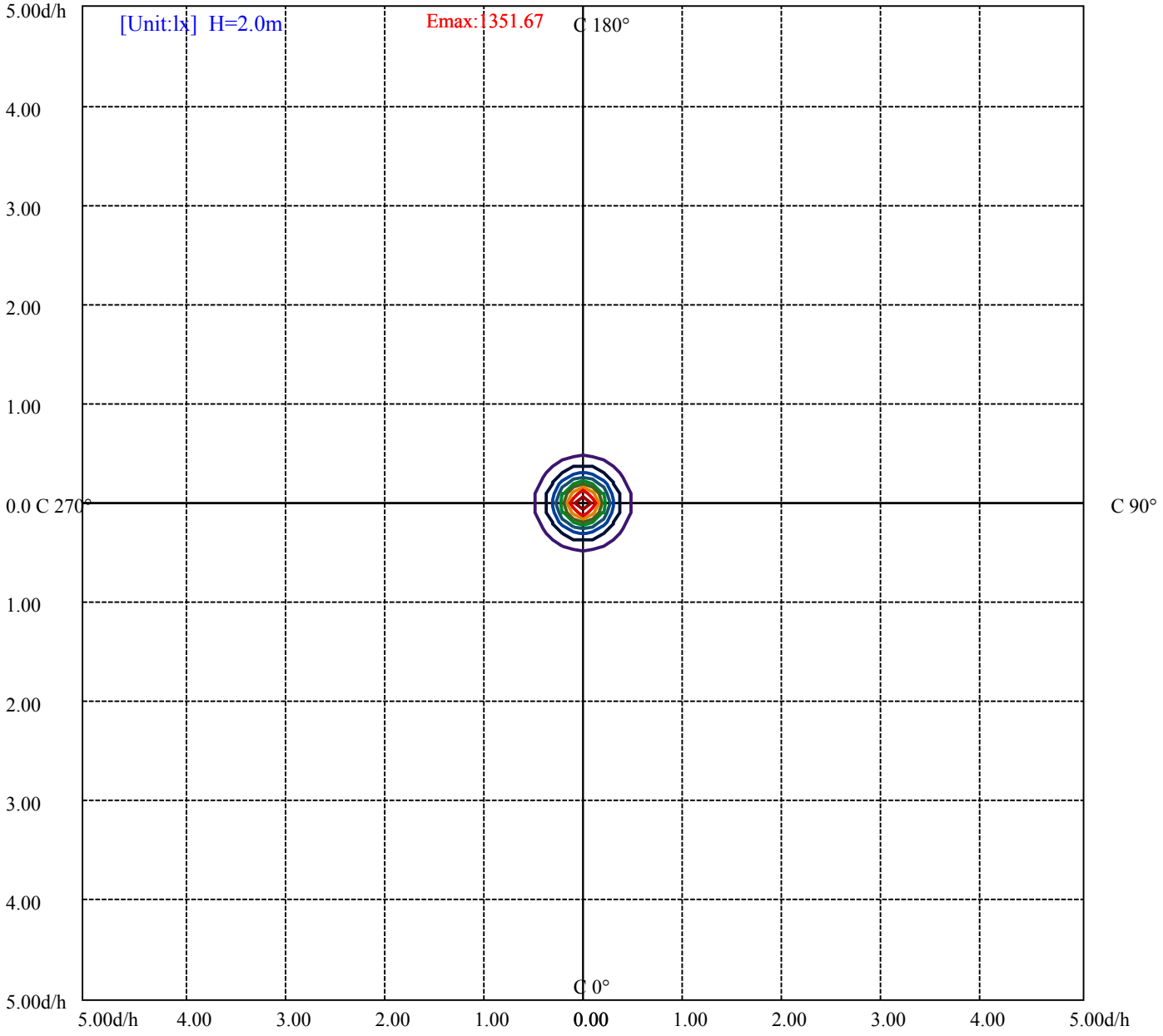
Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/10
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1378-L

ISO illuminance diagram

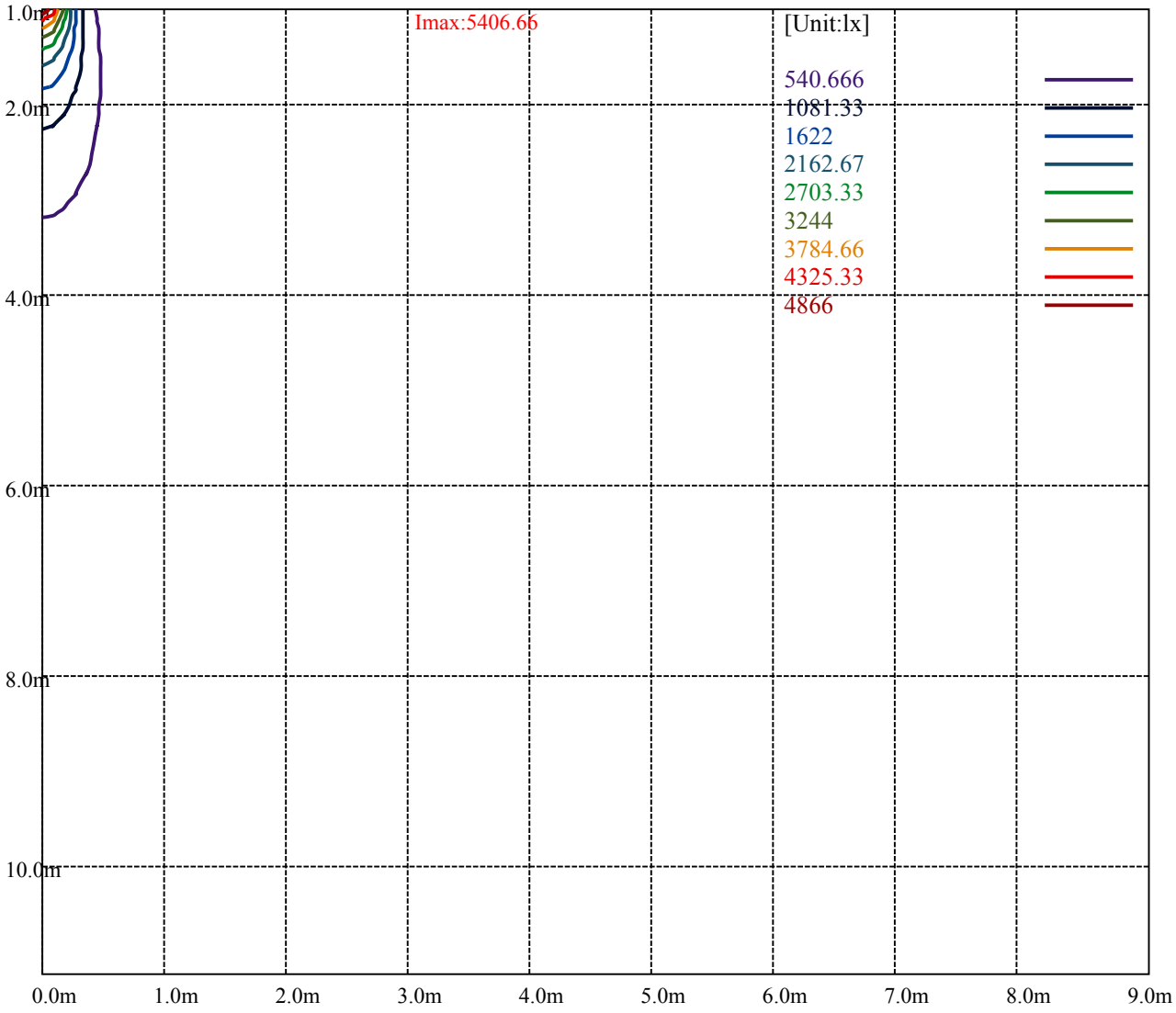


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/10
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/10
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1378-L

Luminance Limitting Curve(no luminous side)

Luminance Table

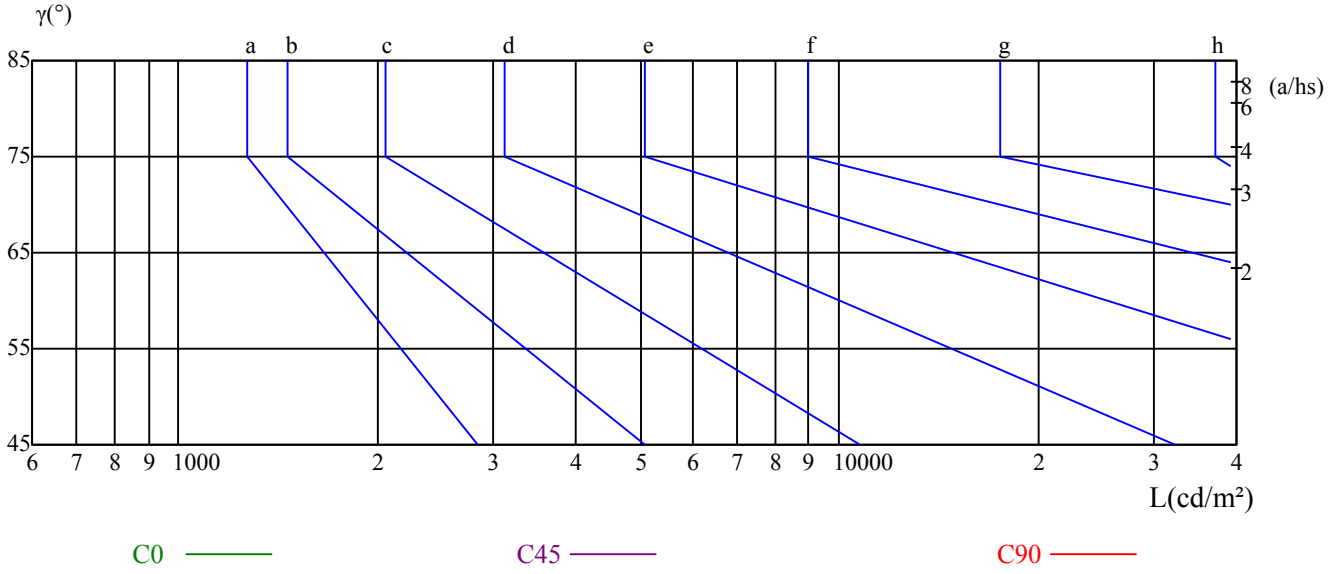
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

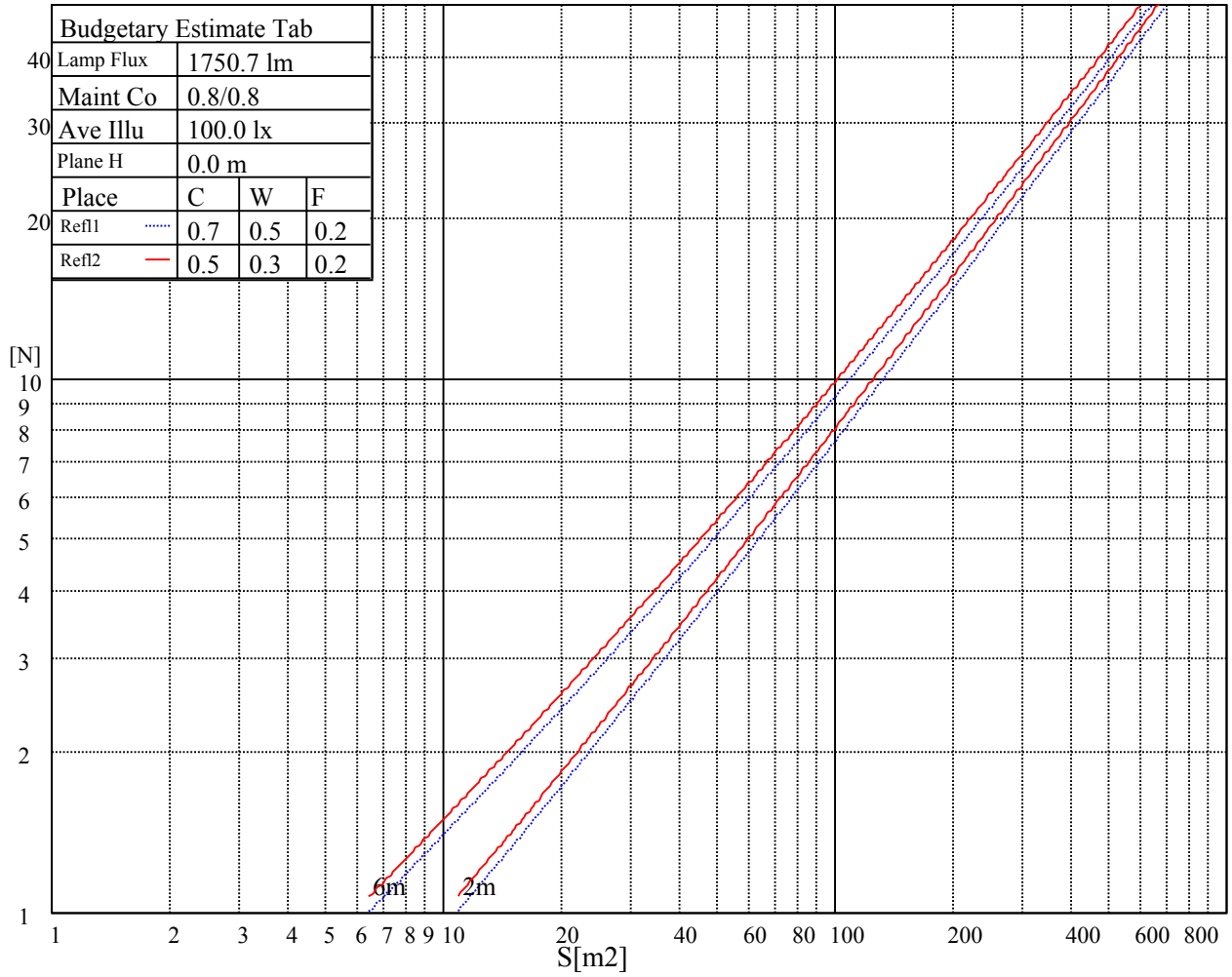
Date: 2023/11/10
Humidity(%): 0.0%

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

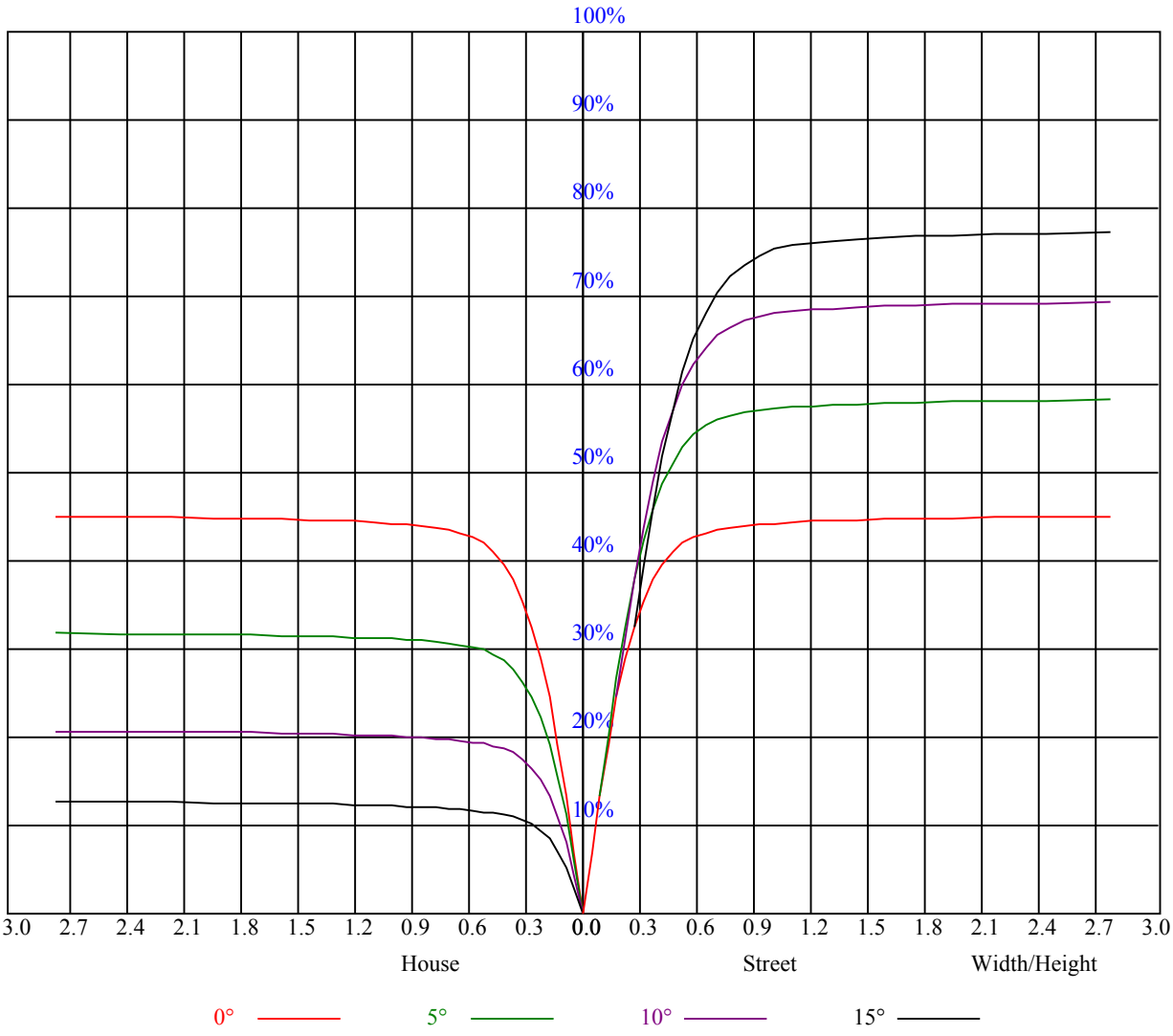


Equipment: GMS1980 Date: 2023/11/10 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.08	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	0.69	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	0.69	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	0.69	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	0.61	0.60

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/10	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	5396.98	5309.52	5210.43	5080.35	4847.87	4644.17	4422.20	4181.96	3871.98
45.0	5425.21	5387.01	5323.36	5189.40	5050.46	4861.71	4655.24	4376.26	4126.61
90.0	5389.23	5291.80	5175.01	5022.79	4831.26	4569.44	4333.63	4102.26	3779.54
135.0	5418.01	5391.44	5298.45	5188.29	5038.28	4800.82	4582.72	4301.53	4057.42
180.0	5396.98	5429.63	5417.46	5339.96	5258.59	5089.21	4907.65	4697.86	4475.34
225.0	5419.67	5402.51	5347.16	5237.00	5104.71	4941.42	4686.79	4454.86	4214.07
270.0	5389.23	5407.49	5406.94	5364.87	5263.57	5146.22	4984.59	4747.68	4528.48
315.0	5418.01	5401.40	5336.09	5246.97	5132.94	4969.65	4733.84	4512.43	4272.19
360.0	5396.98	5309.52	5210.43	5080.35	4847.87	4644.17	4422.20	4181.96	3871.98

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3606.84	3333.39	3069.36	2750.52	2505.30	2274.48	2008.78	1814.49	1613.00
45.0	3876.97	3614.59	3295.75	3035.59	2773.77	2533.53	2241.82	2025.94	1793.46
90.0	3509.97	3185.60	2926.54	2674.13	2374.12	2154.36	1952.88	1767.99	1600.83
135.0	3803.90	3546.51	3227.11	2962.52	2705.13	2463.79	2237.39	1969.48	1776.30
180.0	4176.98	3940.07	3674.93	3407.01	3073.23	2814.18	2562.32	2323.74	2046.42
225.0	3956.12	3635.62	3372.69	3109.21	2850.16	2541.28	2301.05	2081.30	1831.65
270.0	4300.97	3993.21	3734.15	3403.14	3137.44	2875.07	2620.44	2317.10	2085.72
315.0	4017.01	3696.51	3427.49	3101.46	2842.96	2590.55	2294.96	2072.44	1872.61
360.0	3606.84	3333.39	3069.36	2750.52	2505.30	2274.48	2008.78	1814.49	1613.00

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1466.87	1338.45	1096.28	1096.28	998.52	898.39	802.41	686.61	598.59
45.0	1631.82	1485.69	1326.27	1210.03	1110.39	1016.29	895.07	798.75	701.88
90.0	1423.69	1217.23	1086.26	1086.26	967.80	872.98	779.27	664.63	575.46
135.0	1611.90	1436.43	1309.11	1167.41	1074.97	981.42	861.86	764.99	672.55
180.0	1844.94	1631.82	1484.58	1344.54	1191.76	1089.36	999.13	903.92	790.45
225.0	1649.54	1486.24	1221.10	1090.02	1090.02	979.09	885.93	793.77	707.64
270.0	1887.56	1698.25	1540.49	1358.38	1229.96	1120.36	1000.79	906.69	795.43
315.0	1654.52	1498.42	1360.59	1083.99	1083.99	1014.58	921.53	826.21	735.32
360.0	1466.87	1338.45	1096.28	1096.28	998.52	898.39	802.41	686.61	598.59

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	513.52	434.80	346.68	282.75	226.95	171.26	139.93	116.74	105.39
45.0	612.21	506.49	429.54	359.24	292.27	292.27	166.28	138.11	119.18
90.0	491.54	394.01	326.64	253.46	205.14	168.44	140.43	119.95	108.60
135.0	583.98	481.02	406.30	338.21	290.61	290.61	162.57	133.24	116.02
180.0	700.22	614.42	530.84	433.97	360.35	294.48	279.54	210.73	135.23
225.0	600.09	520.27	441.22	367.38	285.57	227.06	178.57	131.02	107.99
270.0	706.31	619.96	517.00	436.19	360.91	293.37	293.37	167.61	133.96
315.0	626.22	541.63	461.87	368.43	301.23	226.73	177.30	140.21	111.76
360.0	513.52	434.80	346.68	282.75	226.95	171.26	139.93	116.74	105.39

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	95.48	87.18	77.22	70.47	64.32	59.01	53.08	48.77	44.89
45.0	105.78	92.50	83.47	75.56	68.47	60.83	55.80	51.09	46.00
90.0	98.75	89.73	81.65	72.62	66.20	59.28	54.41	50.04	45.00
135.0	102.07	92.33	82.09	74.84	66.48	60.83	55.85	51.31	47.16
180.0	105.56	94.54	83.64	76.17	69.52	63.16	57.57	51.59	47.27
225.0	94.71	83.42	75.56	69.03	61.66	56.24	51.59	47.55	43.01
270.0	111.43	95.32	85.85	77.83	69.25	62.94	57.35	51.37	47.16
315.0	99.75	89.78	81.04	73.68	65.43	59.28	54.30	48.71	44.78
360.0	95.48	87.18	77.22	70.47	64.32	59.01	53.08	48.77	44.89

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	40.57	37.47	34.65	31.55	29.39	27.51	25.46	23.97	22.64
45.0	42.51	39.19	36.26	32.99	30.61	28.01	26.18	24.63	22.86
90.0	41.40	38.25	34.71	32.27	30.00	28.01	25.85	24.36	22.97
135.0	42.57	39.25	36.26	33.54	30.44	28.34	26.51	24.47	23.03
180.0	43.51	39.41	36.42	33.71	30.67	28.56	26.63	24.52	22.97
225.0	39.85	36.92	34.32	31.44	29.39	27.07	25.41	23.86	22.31
270.0	43.40	39.36	36.42	33.82	31.44	28.78	26.90	25.30	23.69
315.0	41.35	37.42	34.65	32.27	29.56	27.62	25.91	23.97	22.58
360.0	40.57	37.47	34.65	31.55	29.39	27.51	25.46	23.97	22.64

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.26	20.26	19.37	18.54	17.66	17.05	16.44	15.78	15.17
45.0	21.64	20.59	19.65	18.82	17.82	17.10	16.55	15.72	15.17
90.0	21.75	20.48	19.48	18.49	17.71	17.10	16.22	15.67	15.11
135.0	21.53	20.43	19.48	18.49	17.71	17.05	16.44	15.72	15.17
180.0	21.64	20.20	19.21	18.32	17.55	16.72	16.16	15.67	15.17
225.0	21.15	20.15	19.04	18.27	17.55	16.94	16.27	15.78	15.33
270.0	22.03	20.81	19.76	18.65	17.88	17.05	16.44	15.94	15.33
315.0	21.37	20.31	19.15	18.32	17.66	16.94	16.22	15.72	15.11
360.0	21.26	20.26	19.37	18.54	17.66	17.05	16.44	15.78	15.17

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.67	14.00	13.56	13.17	12.57	12.18	11.85	11.46	10.96
45.0	14.67	14.06	13.51	13.12	12.62	12.12	11.73	11.35	10.90
90.0	14.39	13.84	13.40	12.95	12.45	11.96	11.57	11.18	10.79
135.0	14.67	14.17	13.73	13.17	12.79	12.23	11.85	11.46	11.02
180.0	14.61	14.17	13.73	13.28	12.90	12.51	12.12	11.79	11.40
225.0	14.83	14.28	13.84	13.34	12.90	12.51	12.07	11.73	11.35
270.0	14.83	14.39	13.95	13.56	13.12	12.68	12.34	11.96	11.51
315.0	14.61	14.17	13.67	13.23	12.79	12.40	11.96	11.51	11.24
360.0	14.67	14.00	13.56	13.17	12.57	12.18	11.85	11.46	10.96

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.57	10.24	9.96	9.58	9.24	9.02	8.80	8.58	8.30
45.0	10.52	10.24	9.85	9.58	9.30	9.08	8.80	8.58	8.30
90.0	10.41	10.07	9.69	9.41	9.08	8.86	8.58	8.41	8.14
135.0	10.68	10.35	10.02	9.69	9.41	9.13	8.91	8.64	8.41
180.0	11.02	10.68	10.46	10.13	9.80	9.58	9.30	9.08	8.75
225.0	11.07	10.68	10.35	10.07	9.85	9.52	9.24	9.02	8.75
270.0	11.18	10.79	10.52	10.19	9.85	9.58	9.35	9.08	8.80
315.0	10.90	10.46	10.13	9.85	9.52	9.24	8.91	8.69	8.47
360.0	10.57	10.24	9.96	9.58	9.24	9.02	8.80	8.58	8.30

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.19	8.14	7.92	7.69	7.58	7.47	7.31	7.09	7.36
45.0	8.14	8.03	7.86	7.64	7.47	7.36	7.31	7.25	7.31
90.0	8.14	7.92	7.69	7.47	7.31	7.31	7.14	7.03	7.25
135.0	8.19	8.08	7.86	7.64	7.47	7.36	7.25	7.09	6.75
180.0	8.58	8.36	8.19	8.03	7.80	7.64	7.47	7.31	7.25
225.0	8.52	8.30	8.14	8.03	7.80	7.58	7.42	7.31	7.14
270.0	8.58	8.36	8.19	8.03	7.80	7.64	7.47	7.31	7.20
315.0	8.30	8.14	7.97	7.80	7.58	7.47	7.36	7.31	7.03
360.0	8.19	8.14	7.92	7.69	7.58	7.47	7.31	7.09	7.36

Intensity data(cd)

C/γ(°)	90.0
0.0	7.47
45.0	7.42
90.0	7.31
135.0	6.86
180.0	7.03
225.0	7.09
270.0	6.97
315.0	6.81
360.0	7.47