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NT

Client:
LumCAT: 1-1378-L
Luminaire: 92.70.410.00
Report No: 20231109-B016
Ballast type: AC

Test No: 20231109-C016	Voltage(V): 34.730
LampCAT: Fortimo_SLM_C_1204	Current(A): 0.320
Lamp flux(lm): 1771.7	Power (W): 11.113
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1598.62, Efficiency(%): 90.23% , Luminous Efficacy(lm/W): 143.85
Central intensity(cd): 5484.158, Maximum intensity(cd): 5484.158
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=26.4
[C90/270]Total=26.4
Field angle(10%Imax): [C0/180]Total=55.0
[C90/270]Total=55.0
Maximum s/h(1/2): C0_180=0.44 C90_270=0.44
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(%): 90.23%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.009%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5484.158	0.000	0	0.00%	0.00%
1.0	5453.644	5.234	5.234	0.30%	0.33%
2.0	5380.923	15.551	20.784	0.88%	1.30%
3.0	5267.241	25.467	46.251	1.44%	2.89%
4.0	5110.590	34.738	80.989	1.96%	5.07%
5.0	4912.078	43.117	124.106	2.43%	7.76%
6.0	4695.992	50.493	174.599	2.85%	10.92%
7.0	4450.291	56.771	231.37	3.20%	14.47%
8.0	4194.834	61.872	293.241	3.49%	18.34%
9.0	3919.588	65.763	359.004	3.71%	22.46%
10.0	3654.237	68.540	427.545	3.87%	26.74%
11.0	3361.970	70.106	497.651	3.96%	31.13%
12.0	3085.686	70.482	568.133	3.98%	35.54%
13.0	2799.370	69.841	637.974	3.94%	39.91%
14.0	2549.172	68.461	706.435	3.86%	44.19%
15.0	2310.874	66.721	773.156	3.77%	48.36%
16.0	2077.559	64.303	837.459	3.63%	52.39%
17.0	1867.146	61.430	898.888	3.47%	56.23%
18.0	1672.509	58.361	957.249	3.29%	59.88%
19.0	1481.062	54.866	1012.115	3.10%	63.31%
20.0	1335.606	51.553	1063.668	2.91%	66.54%
21.0	1177.911	48.265	1111.933	2.72%	69.56%
22.0	1086.999	45.514	1157.447	2.57%	72.40%
23.0	974.998	43.266	1200.713	2.44%	75.11%
24.0	869.245	40.322	1241.035	2.28%	77.63%
25.0	764.952	37.158	1278.193	2.10%	79.96%
26.0	678.711	34.078	1312.271	1.92%	82.09%
27.0	586.402	30.951	1343.222	1.75%	84.02%
28.0	506.700	27.675	1370.897	1.56%	85.76%
29.0	432.706	24.578	1395.475	1.39%	87.29%
30.0	365.341	21.547	1417.022	1.22%	88.64%
31.0	308.264	18.745	1435.767	1.06%	89.81%
32.0	265.593	16.440	1452.208	0.93%	90.84%
33.0	225.261	14.461	1466.668	0.82%	91.75%
34.0	192.769	12.651	1479.319	0.71%	92.54%
35.0	145.033	10.491	1489.81	0.59%	93.19%
36.0	120.602	8.458	1498.268	0.48%	93.72%
37.0	99.692	7.185	1505.453	0.41%	94.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	83.030	6.099	1511.552	0.34%	94.55%
39.0	70.258	5.232	1516.784	0.30%	94.88%
40.0	60.128	4.547	1521.331	0.26%	95.17%
41.0	52.551	4.012	1525.344	0.23%	95.42%
42.0	46.795	3.609	1528.953	0.20%	95.64%
43.0	42.103	3.293	1532.246	0.19%	95.85%
44.0	38.249	3.033	1535.279	0.17%	96.04%
45.0	35.177	2.822	1538.101	0.16%	96.21%
46.0	32.430	2.644	1540.745	0.15%	96.38%
47.0	30.085	2.486	1543.231	0.14%	96.54%
48.0	28.044	2.350	1545.581	0.13%	96.68%
49.0	26.044	2.221	1547.802	0.13%	96.82%
50.0	24.439	2.105	1549.907	0.12%	96.95%
51.0	22.923	2.004	1551.911	0.11%	97.08%
52.0	21.567	1.909	1553.82	0.11%	97.20%
53.0	20.356	1.824	1555.643	0.10%	97.31%
54.0	19.339	1.750	1557.393	0.10%	97.42%
55.0	18.426	1.686	1559.079	0.10%	97.53%
56.0	17.602	1.628	1560.707	0.09%	97.63%
57.0	16.917	1.578	1562.285	0.09%	97.73%
58.0	16.295	1.536	1563.821	0.09%	97.82%
59.0	15.755	1.498	1565.319	0.08%	97.92%
60.0	15.257	1.465	1566.785	0.08%	98.01%
61.0	14.766	1.433	1568.217	0.08%	98.10%
62.0	14.344	1.403	1569.62	0.08%	98.19%
63.0	13.915	1.374	1570.994	0.08%	98.27%
64.0	13.506	1.346	1572.34	0.08%	98.36%
65.0	13.133	1.318	1573.658	0.07%	98.44%
66.0	12.745	1.291	1574.949	0.07%	98.52%
67.0	12.399	1.264	1576.214	0.07%	98.60%
68.0	12.012	1.237	1577.45	0.07%	98.68%
69.0	11.687	1.209	1578.659	0.07%	98.75%
70.0	11.354	1.183	1579.842	0.07%	98.83%
71.0	11.036	1.157	1581	0.07%	98.90%
72.0	10.697	1.130	1582.13	0.06%	98.97%
73.0	10.386	1.102	1583.232	0.06%	99.04%
74.0	10.081	1.076	1584.308	0.06%	99.10%
75.0	9.791	1.050	1585.358	0.06%	99.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.542	1.026	1586.384	0.06%	99.23%
77.0	9.251	1.002	1587.386	0.06%	99.30%
78.0	9.023	0.978	1588.365	0.06%	99.36%
79.0	8.780	0.957	1589.321	0.05%	99.42%
80.0	8.566	0.935	1590.256	0.05%	99.48%
81.0	8.393	0.917	1591.173	0.05%	99.53%
82.0	8.192	0.899	1592.073	0.05%	99.59%
83.0	8.012	0.881	1592.954	0.05%	99.65%
84.0	7.826	0.863	1593.817	0.05%	99.70%
85.0	7.646	0.844	1594.661	0.05%	99.75%
86.0	7.445	0.825	1595.486	0.05%	99.80%
87.0	7.300	0.807	1596.293	0.05%	99.85%
88.0	7.127	0.790	1597.083	0.04%	99.90%
89.0	7.002	0.774	1597.857	0.04%	99.95%
90.0	6.878	0.761	1598.618	0.04%	100.00%

Zonal flux distribution table

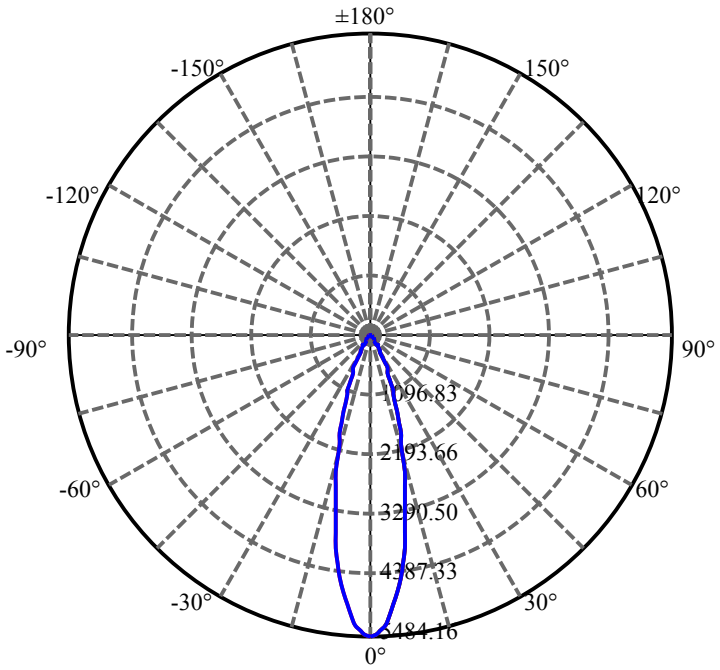
ZONAL LUMEN SUMMARY

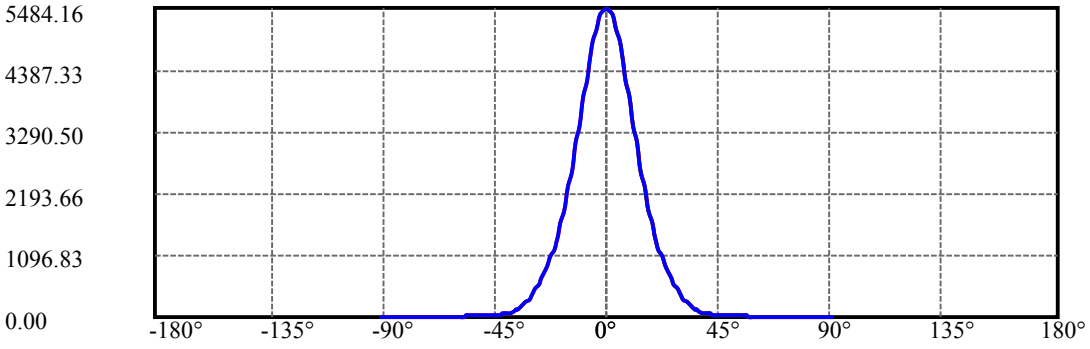
Zone	Lumens	%Lamp	%Fixt
0-30	1417.02	79.98%	88.64%
0-40	1521.33	85.87%	95.17%
0-60	1566.78	88.44%	98.01%
0-90	1597.86	90.19%	99.95%
0-120	1597.86	90.19%	99.95%
0-180	1598.62	90.23%	100.00%
60-90	31.07	1.75%	1.94%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.02	1278.90	72.19%	80.00%

ZONAL LUMEN SUMMARY

0-10	427.54
10-20	636.12
20-30	353.35
30-40	104.31
40-50	28.58
50-60	16.88
60-70	13.06
70-80	10.41
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:27.5 Right:27.5
:C90/270Left:27.5 Right:27.5

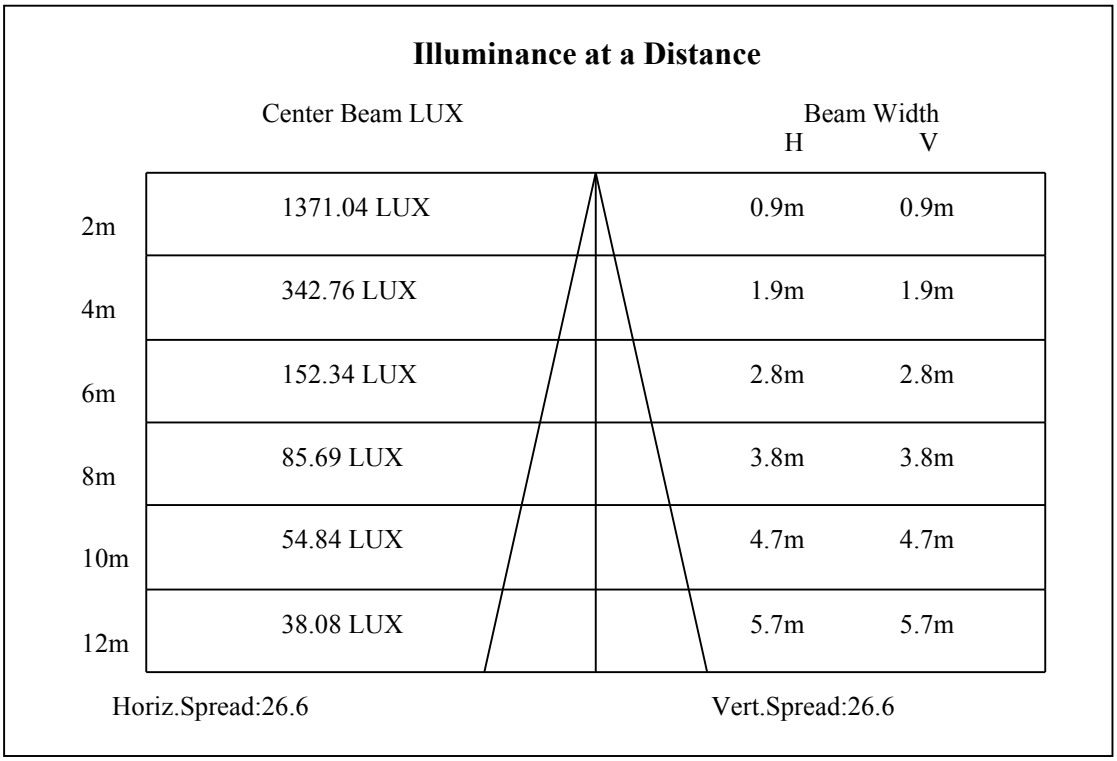
Beam Angle(50%Imax):C0/180Left:13.2 Right:13.2
:C90/270Left:13.2 Right:13.2

Equipment: GMS1980
Temperature(°C): 0.0

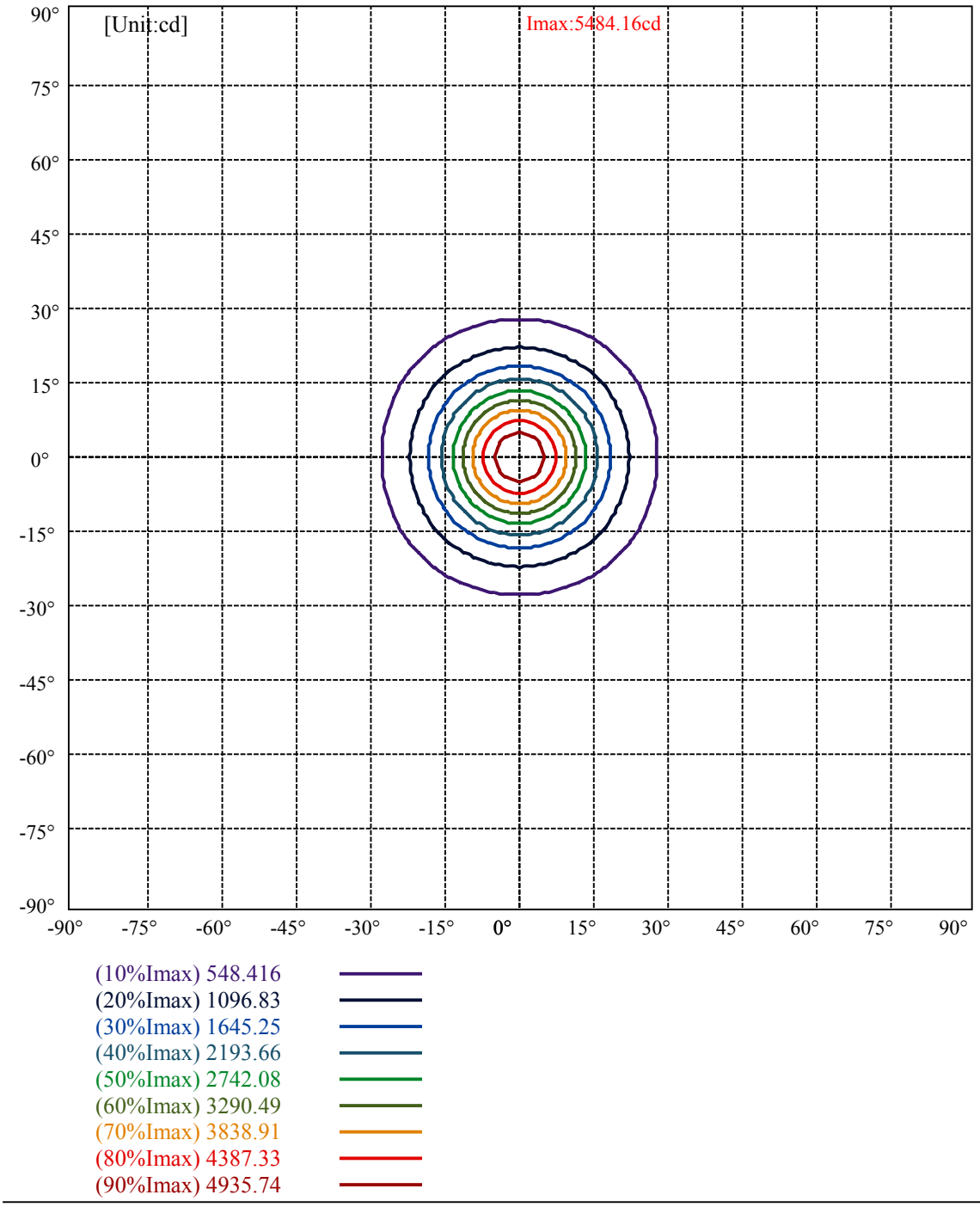
Date: 2023/11/09
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Lux distance Curve



ISO-Intensity(V-H)

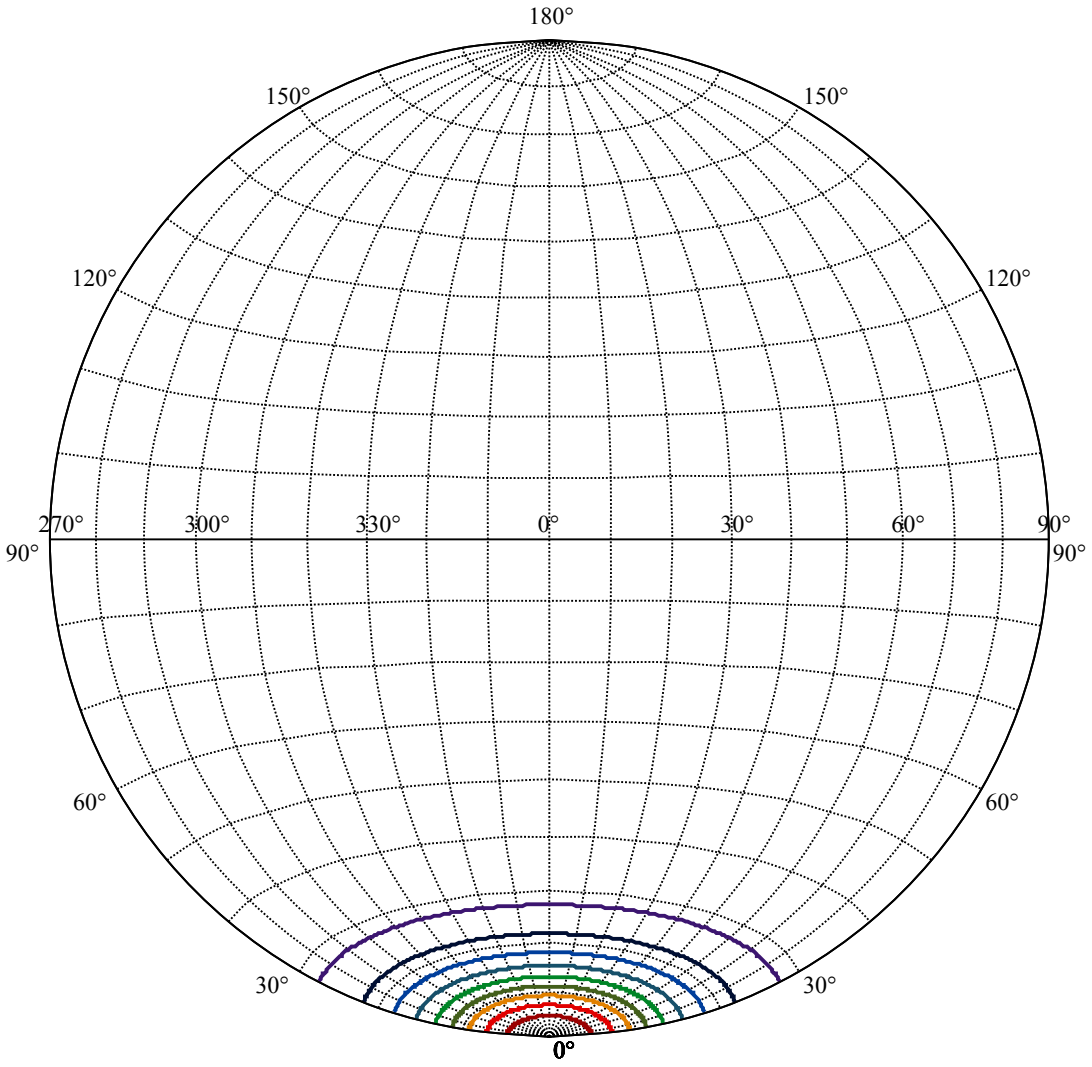


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/09
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

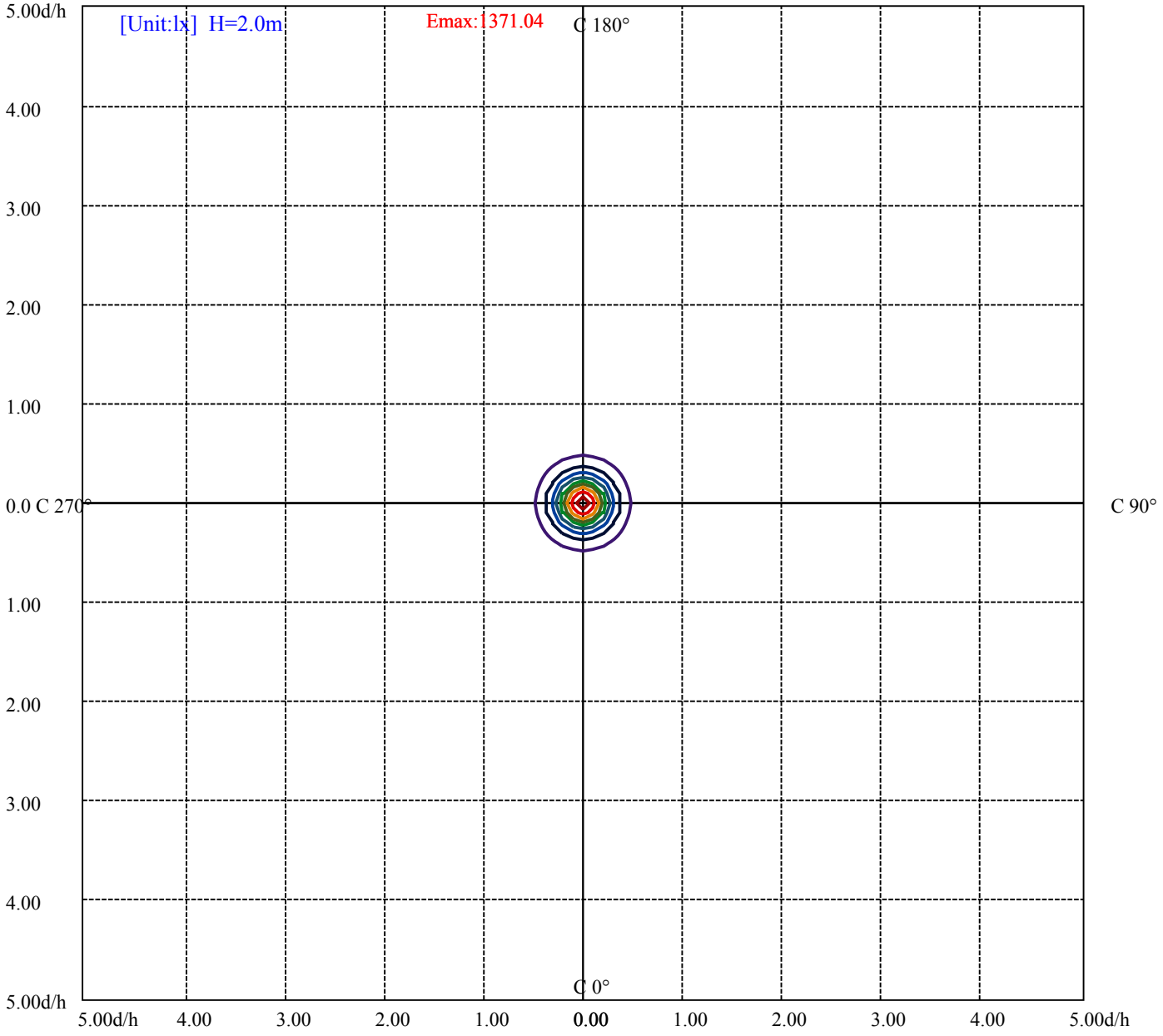
Imax:5484.16

(10%Imax) 548.416
(20%Imax) 1096.83
(30%Imax) 1645.25
(40%Imax) 2193.66
(50%Imax) 2742.08
(60%Imax) 3290.49
(70%Imax) 3838.91
(80%Imax) 4387.33
(90%Imax) 4935.74

Equipment: GMS1980 Date: 2023/11/09 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

NT 1-1378-L

ISO illuminance diagram

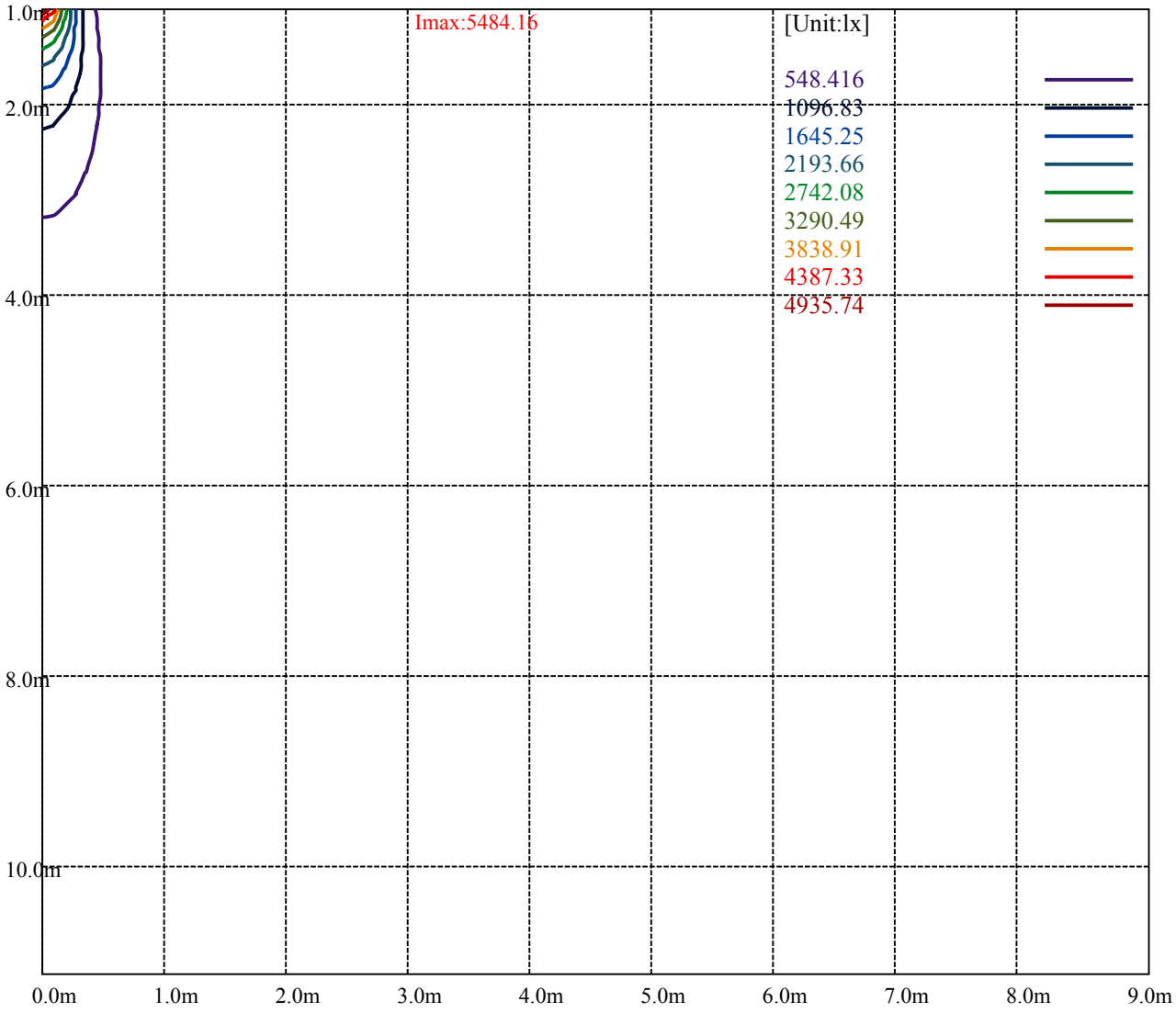


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/09
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/09
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1378-L

Luminance Limitting Curve(no luminous side)

Luminance Table

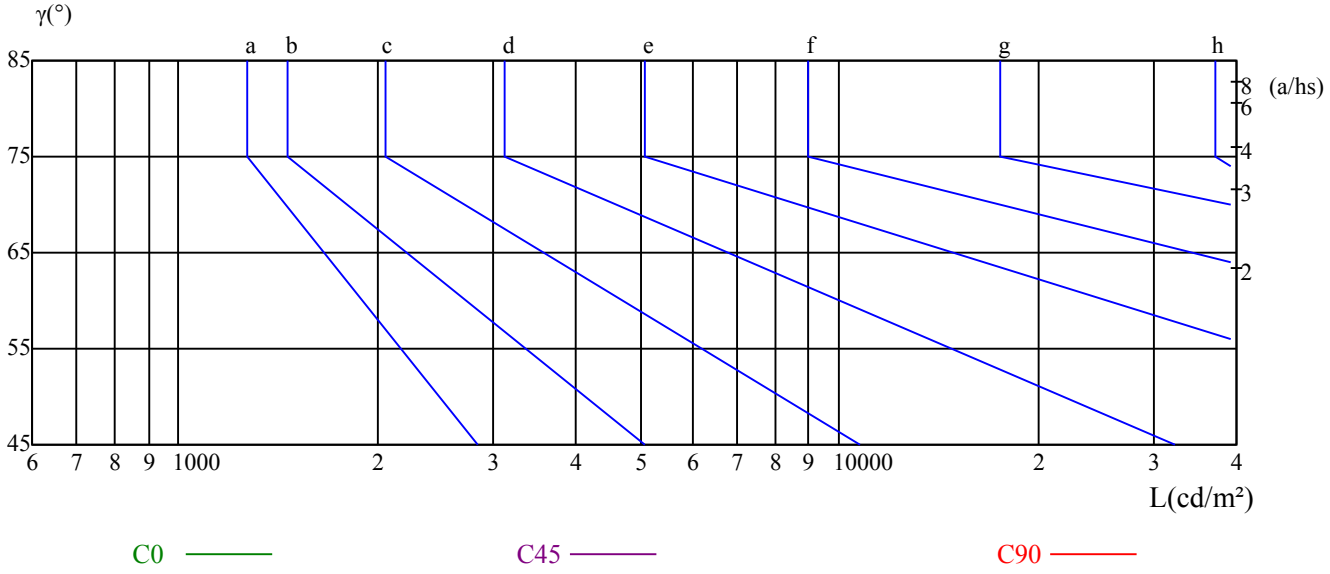
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

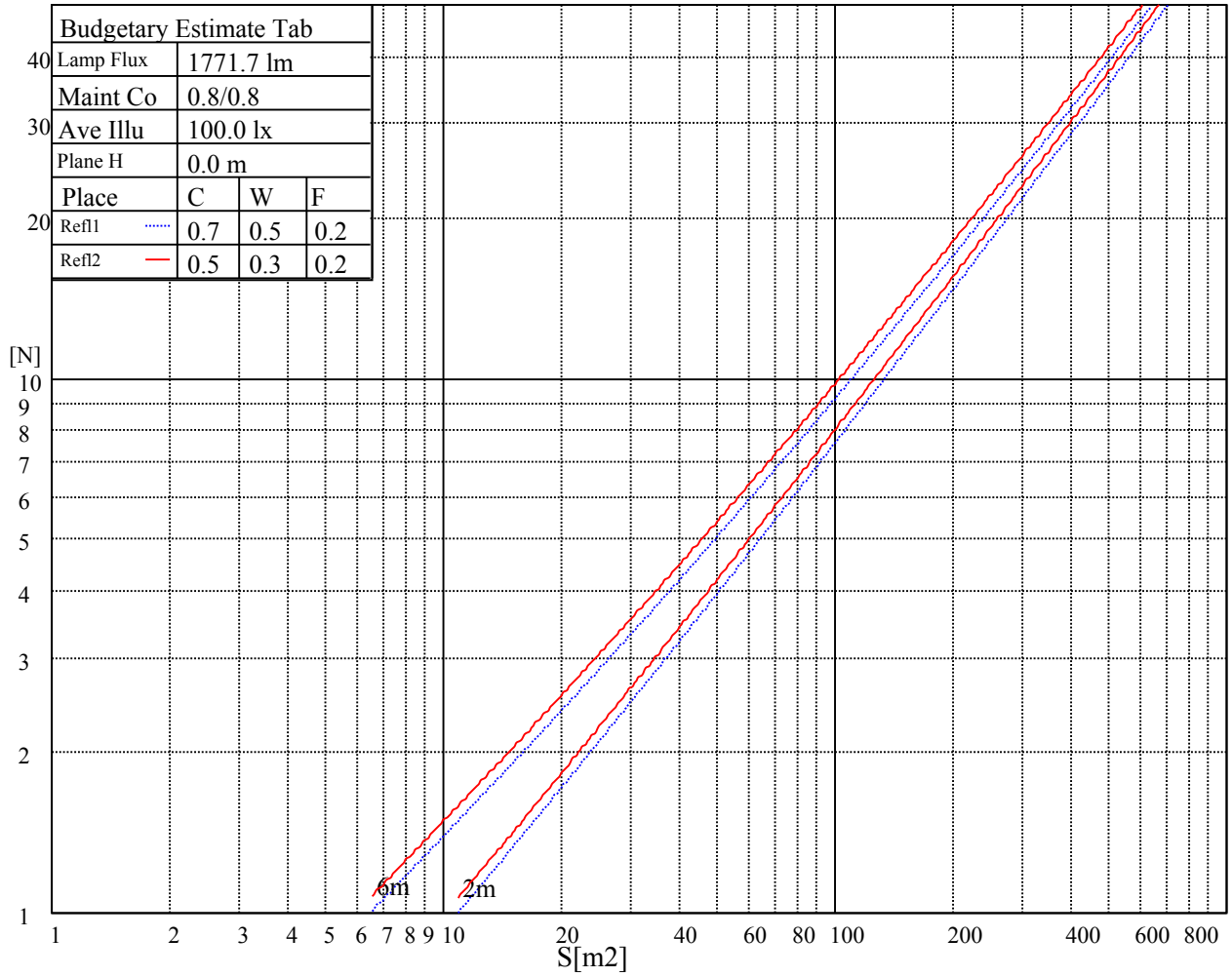
Date: 2023/11/09
Humidity(%): 0.0%

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

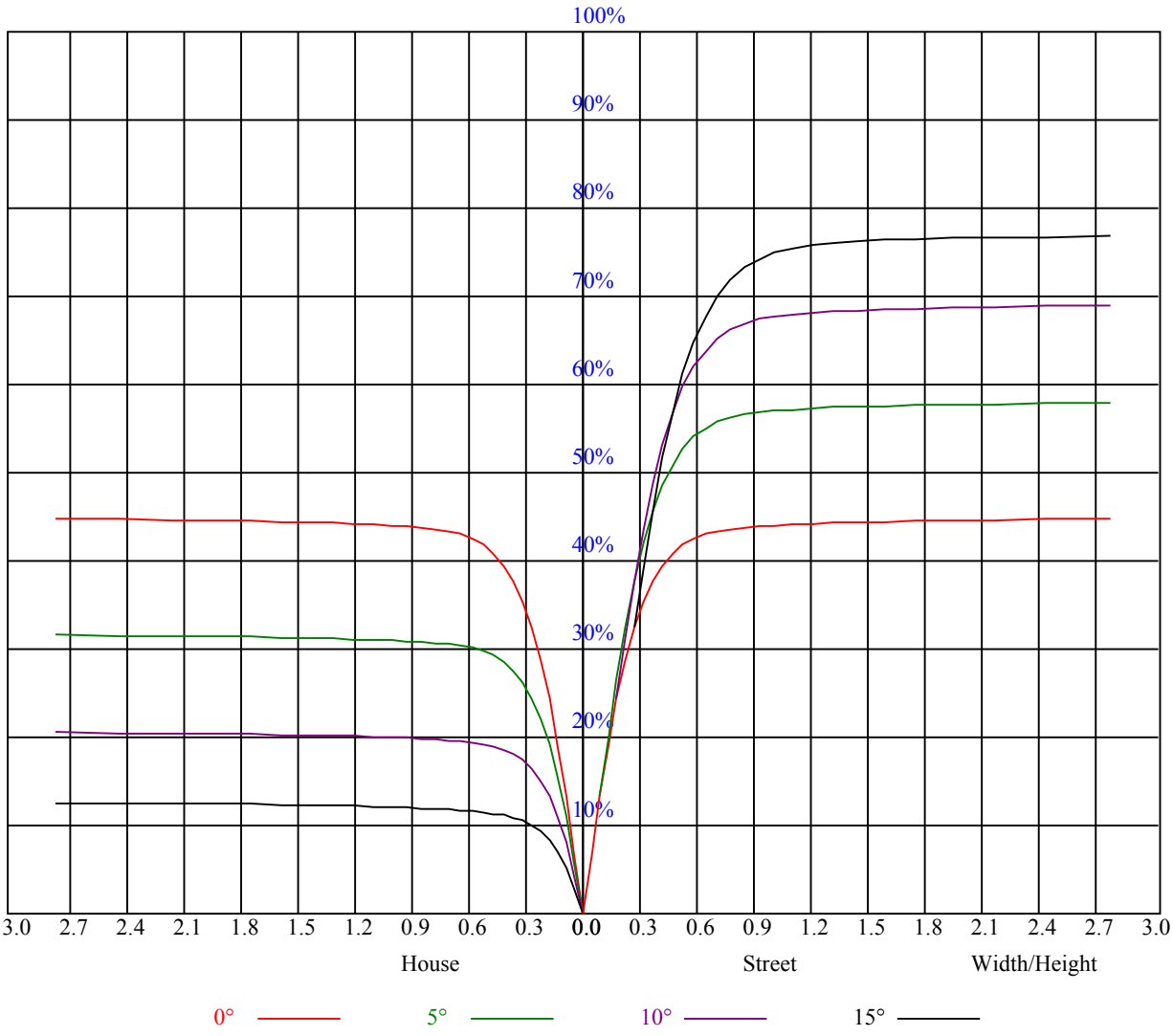


Equipment: GMS1980 Date: 2023/11/09 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.07	1.07	1.07	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.01	0.99	0.97	0.99	0.97	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86
2	0.95	0.92	0.89	0.94	0.91	0.88	0.91	0.88	0.86	0.88	0.86	0.85	0.86	0.84	0.83	0.82
3	0.90	0.87	0.84	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.82	0.80	0.83	0.81	0.79	0.78
4	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.77	0.80	0.78	0.76	0.74
5	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.77	0.75	0.73	0.71
6	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
7	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.66
8	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.71	0.67	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	0.65	0.63	0.68	0.65	0.63	0.68	0.65	0.62	0.61
10	0.68	0.64	0.61	0.67	0.63	0.61	0.67	0.63	0.61	0.66	0.63	0.60	0.65	0.62	0.60	0.59

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/09	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	5472.81	5358.78	5239.77	5077.03	4874.99	4605.42	4371.27	4133.81	3821.06
45.0	5506.02	5455.65	5340.52	5219.29	5054.89	4802.48	4584.94	4350.24	4049.67
90.0	5456.20	5332.77	5195.49	5031.09	4794.73	4575.53	4340.28	4029.19	3774.56
135.0	5501.59	5475.58	5390.33	5236.45	5080.35	4877.21	4613.72	4384.56	4149.31
180.0	5472.81	5506.58	5511.56	5461.74	5339.96	5209.88	5047.69	4791.96	4568.33
225.0	5506.02	5514.33	5452.33	5346.60	5214.86	5047.69	4803.03	4574.98	4330.31
270.0	5456.20	5503.81	5509.90	5451.22	5351.03	5223.17	5054.34	4808.01	4583.83
315.0	5501.59	5481.67	5407.49	5314.50	5173.90	4955.25	4752.66	4529.59	4281.60
360.0	5472.81	5358.78	5239.77	5077.03	4874.99	4605.42	4371.27	4133.81	3821.06

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3562.56	3292.99	2968.61	2716.75	2427.26	2205.29	2005.46	1816.15	1647.32
45.0	3803.35	3538.76	3280.81	2941.49	2691.29	2448.29	2223.00	1960.07	1775.19
90.0	3500.56	3233.20	2896.65	2650.33	2419.51	2200.31	1949.55	1761.91	1557.10
135.0	3838.77	3579.72	3326.20	2995.18	2737.24	2493.68	2270.05	2001.59	1802.87
180.0	4255.58	4002.62	3747.99	3489.49	3154.60	2887.80	2645.35	2411.20	2126.13
225.0	4079.01	3762.38	3495.58	3230.99	2909.94	2659.74	2366.92	2156.02	1947.89
270.0	4347.47	4112.22	3797.81	3542.63	3191.14	2933.19	2691.29	2393.49	2164.33
315.0	3969.41	3712.01	3382.10	3118.62	2864.00	2565.09	2335.37	2120.04	1916.34
360.0	3562.56	3292.99	2968.61	2716.75	2427.26	2205.29	2005.46	1816.15	1647.32

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1456.35	1223.87	1076.52	1076.52	945.05	845.14	750.04	645.98	565.88
45.0	1573.15	1430.34	1298.60	1148.59	1041.20	941.01	822.00	733.99	649.30
90.0	1413.73	1101.04	1101.04	1019.45	918.48	801.35	715.56	632.97	553.43
135.0	1637.91	1487.35	1315.76	1191.76	1077.73	948.21	850.78	737.86	653.17
180.0	1928.52	1751.94	1544.37	1391.59	1259.29	1115.38	1011.31	885.10	787.68
225.0	1714.85	1554.33	1402.66	1091.24	1091.24	1009.98	904.98	812.09	725.96
270.0	1959.52	1766.89	1558.76	1401.55	1260.40	1144.71	1005.22	894.51	802.63
315.0	1696.03	1532.74	1387.16	1102.59	1102.59	994.21	894.07	777.11	691.64
360.0	1456.35	1223.87	1076.52	1076.52	945.05	845.14	750.04	645.98	565.88

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	469.40	403.20	343.30	278.87	234.48	196.73	164.23	130.36	108.38
45.0	566.82	473.83	406.85	348.17	296.14	283.96	228.83	165.67	138.55
90.0	458.77	392.73	333.89	282.69	227.56	191.03	159.81	132.96	105.95
135.0	573.46	500.40	415.15	356.48	303.34	291.16	235.53	170.38	142.31
180.0	702.99	619.96	521.43	454.45	389.69	329.35	288.39	288.39	185.55
225.0	621.79	543.41	470.45	386.53	329.69	267.14	225.07	189.25	152.06
270.0	688.05	607.23	528.07	437.85	376.96	305.55	281.20	281.20	179.84
315.0	609.94	512.85	442.50	377.68	308.26	259.83	219.03	183.94	147.63
360.0	469.40	403.20	343.30	278.87	234.48	196.73	164.23	130.36	108.38

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	90.78	76.83	63.16	55.19	48.99	44.28	39.63	36.53	33.10
45.0	110.93	93.22	75.89	65.54	57.40	49.87	45.17	41.40	38.30
90.0	89.06	72.62	62.49	55.08	47.83	43.45	39.97	37.03	33.65
135.0	118.95	95.10	80.32	68.53	57.62	51.15	45.94	40.96	37.86
180.0	153.44	128.59	102.74	86.35	69.97	60.00	52.42	45.22	40.85
225.0	127.48	107.22	90.72	74.12	64.27	56.41	50.54	44.84	41.24
270.0	150.51	120.39	101.08	85.19	72.35	60.11	52.70	47.11	41.57
315.0	123.66	103.57	87.85	72.07	62.60	55.13	47.99	43.73	39.41
360.0	90.78	76.83	63.16	55.19	48.99	44.28	39.63	36.53	33.10

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	30.78	28.17	26.29	24.74	23.30	22.03	20.65	19.65	18.76
45.0	34.82	32.38	30.22	28.17	25.96	24.41	23.03	21.37	20.37
90.0	31.33	29.23	27.40	25.30	23.75	22.42	20.98	19.98	18.82
135.0	34.32	31.88	29.67	27.68	25.46	23.97	22.53	21.37	20.04
180.0	37.42	33.88	31.50	29.39	27.46	25.41	23.91	22.53	21.26
225.0	38.14	34.87	32.49	30.33	27.95	26.24	24.63	22.81	21.48
270.0	38.14	35.20	32.16	29.95	27.51	25.74	24.24	22.86	21.26
315.0	36.48	33.82	30.94	28.78	26.96	25.30	23.41	21.98	20.87
360.0	30.78	28.17	26.29	24.74	23.30	22.03	20.65	19.65	18.76

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	18.05	17.16	16.61	16.05	15.44	15.06	14.61	14.17	13.78
45.0	19.32	18.27	17.55	16.77	16.22	15.67	15.17	14.61	14.23
90.0	18.05	17.33	16.61	16.11	15.61	15.17	14.67	14.23	13.84
135.0	19.10	18.21	17.33	16.77	16.16	15.50	15.06	14.61	14.12
180.0	19.93	19.04	18.21	17.27	16.72	16.05	15.55	15.06	14.67
225.0	20.31	19.26	18.21	17.49	16.88	16.33	15.67	15.22	14.78
270.0	20.20	19.26	18.43	17.66	16.88	16.38	15.89	15.33	14.89
315.0	19.76	18.88	17.88	17.21	16.44	15.89	15.44	14.89	14.45
360.0	18.05	17.16	16.61	16.05	15.44	15.06	14.61	14.17	13.78

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.34	13.01	12.68	12.29	11.96	11.57	11.24	10.96	10.63
45.0	13.84	13.45	13.06	12.62	12.29	11.85	11.51	11.24	10.85
90.0	13.51	13.06	12.68	12.34	11.90	11.57	11.29	10.90	10.57
135.0	13.67	13.28	12.95	12.51	12.18	11.85	11.57	11.24	10.90
180.0	14.23	13.78	13.45	13.06	12.73	12.34	12.01	11.62	11.35
225.0	14.28	13.84	13.40	13.01	12.68	12.29	11.90	11.62	11.29
270.0	14.39	14.00	13.62	13.17	12.90	12.51	12.18	11.73	11.51
315.0	14.06	13.62	13.23	12.95	12.57	12.12	11.79	11.51	11.18
360.0	13.34	13.01	12.68	12.29	11.96	11.57	11.24	10.96	10.63

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.24	10.02	9.69	9.41	9.19	8.91	8.75	8.52	8.30
45.0	10.52	10.24	9.91	9.69	9.41	9.13	8.91	8.69	8.52
90.0	10.30	10.02	9.74	9.47	9.24	8.97	8.75	8.52	8.36
135.0	10.57	10.24	9.96	9.63	9.41	9.13	8.91	8.69	8.47
180.0	11.02	10.63	10.35	10.07	9.74	9.52	9.19	8.97	8.69
225.0	10.96	10.57	10.24	9.96	9.74	9.41	9.19	8.86	8.69
270.0	11.18	10.90	10.52	10.19	9.96	9.63	9.41	9.13	8.86
315.0	10.79	10.46	10.24	9.91	9.63	9.30	9.08	8.86	8.64
360.0	10.24	10.02	9.69	9.41	9.19	8.91	8.75	8.52	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	7.97	7.80	7.58	7.47	7.25	7.14	6.92	6.81
45.0	8.30	8.14	7.97	7.69	7.58	7.36	7.20	7.03	6.81
90.0	8.19	8.03	7.75	7.64	7.47	7.25	7.20	6.86	6.92
135.0	8.30	8.14	7.92	7.75	7.53	7.36	7.25	7.20	6.81
180.0	8.58	8.30	8.14	8.03	7.80	7.58	7.47	7.25	7.14
225.0	8.47	8.25	8.08	7.92	7.69	7.53	7.31	7.25	7.20
270.0	8.69	8.47	8.30	8.14	7.92	7.69	7.53	7.36	7.25
315.0	8.41	8.25	8.14	7.86	7.69	7.53	7.31	7.14	7.09
360.0	8.19	7.97	7.80	7.58	7.47	7.25	7.14	6.92	6.81

Intensity data(cd)

C/γ(°)	90.0
0.0	6.86
45.0	6.86
90.0	6.92
135.0	6.86
180.0	6.86
225.0	6.86
270.0	6.97
315.0	6.81
360.0	6.86