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NT

Client:
LumCAT: 1-1382-L
Luminaire: 92.70.410.00
Report No: 20231109-B010
Ballast type: AC

Test No: 20231109-C010	Voltage(V): 34.740
LampCAT: Fortimo_SLM_C_1204	Current(A): 0.320
Lamp flux(lm): 1771.7	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): 1627.02, Efficiency(%): 91.84% , Luminous Efficacy(lm/W): 146.37
Central intensity(cd): 5586.839, Maximum intensity(cd): 5586.839
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=25.8
[C90/270]Total=25.8
Field angle(10%Imax): [C0/180]Total=57.4
[C90/270]Total=57.4
Beam angle of C0 plane : 25.79
Aveage BeamAngle(IEC 61341):25.79
Maximum s/h(1/2): C0_180=0.43 C90_270=0.43
Maximum s/h(1/4): C0_180=0.46 C90_270=0.46
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 91.84%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.055%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5586.839	0.000	0	0.00%	0.00%
1.0	5562.898	5.335	5.335	0.30%	0.33%
2.0	5499.380	15.878	21.213	0.90%	1.30%
3.0	5384.660	26.031	47.244	1.47%	2.90%
4.0	5211.818	35.470	82.713	2.00%	5.08%
5.0	4989.504	43.886	126.599	2.48%	7.78%
6.0	4758.472	51.228	177.827	2.89%	10.93%
7.0	4482.189	57.357	235.184	3.24%	14.45%
8.0	4205.559	62.177	297.36	3.51%	18.28%
9.0	3928.168	65.919	363.28	3.72%	22.33%
10.0	3618.742	68.297	431.577	3.85%	26.53%
11.0	3349.170	69.624	501.2	3.93%	30.80%
12.0	3060.224	70.064	571.264	3.95%	35.11%
13.0	2762.491	69.101	640.365	3.90%	39.36%
14.0	2492.503	67.263	707.629	3.80%	43.49%
15.0	2237.116	64.930	772.559	3.66%	47.48%
16.0	2006.360	62.179	834.738	3.51%	51.30%
17.0	1779.549	58.957	893.694	3.33%	54.93%
18.0	1601.795	55.751	949.445	3.15%	58.35%
19.0	1405.483	52.320	1001.766	2.95%	61.57%
20.0	1270.905	48.985	1050.751	2.76%	64.58%
21.0	1148.822	46.464	1097.215	2.62%	67.44%
22.0	1059.025	44.368	1141.583	2.50%	70.16%
23.0	971.137	42.598	1184.181	2.40%	72.78%
24.0	888.488	40.658	1224.839	2.29%	75.28%
25.0	819.482	38.836	1263.674	2.19%	77.67%
26.0	757.805	37.232	1300.907	2.10%	79.96%
27.0	684.143	35.278	1336.184	1.99%	82.12%
28.0	615.615	32.907	1369.091	1.86%	84.15%
29.0	539.241	30.214	1399.305	1.71%	86.00%
30.0	464.451	27.099	1426.405	1.53%	87.67%
31.0	393.446	23.874	1450.279	1.35%	89.14%
32.0	328.593	20.686	1470.965	1.17%	90.41%
33.0	271.516	17.679	1488.644	1.00%	91.49%
34.0	227.925	15.115	1503.759	0.85%	92.42%
35.0	171.721	12.412	1516.17	0.70%	93.19%
36.0	122.698	9.374	1525.544	0.53%	93.76%
37.0	93.776	7.060	1532.605	0.40%	94.20%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	79.536	5.785	1538.39	0.33%	94.55%
39.0	70.341	5.116	1543.505	0.29%	94.87%
40.0	63.532	4.669	1548.174	0.26%	95.15%
41.0	57.118	4.296	1552.471	0.24%	95.42%
42.0	52.330	3.976	1556.447	0.22%	95.66%
43.0	47.147	3.685	1560.132	0.21%	95.89%
44.0	43.072	3.405	1563.537	0.19%	96.10%
45.0	38.941	3.152	1566.689	0.18%	96.29%
46.0	34.983	2.891	1569.58	0.16%	96.47%
47.0	31.552	2.646	1572.226	0.15%	96.63%
48.0	28.694	2.435	1574.662	0.14%	96.78%
49.0	26.459	2.265	1576.927	0.13%	96.92%
50.0	24.217	2.113	1579.039	0.12%	97.05%
51.0	22.432	1.974	1581.013	0.11%	97.17%
52.0	20.958	1.862	1582.875	0.11%	97.29%
53.0	19.803	1.773	1584.648	0.10%	97.40%
54.0	18.661	1.695	1586.343	0.10%	97.50%
55.0	17.699	1.623	1587.967	0.09%	97.60%
56.0	16.938	1.565	1589.532	0.09%	97.70%
57.0	16.246	1.517	1591.049	0.09%	97.79%
58.0	15.686	1.477	1592.526	0.08%	97.88%
59.0	15.181	1.443	1593.969	0.08%	97.97%
60.0	14.752	1.414	1595.383	0.08%	98.06%
61.0	14.385	1.390	1596.773	0.08%	98.14%
62.0	14.011	1.368	1598.142	0.08%	98.22%
63.0	13.679	1.347	1599.488	0.08%	98.31%
64.0	13.354	1.327	1600.815	0.07%	98.39%
65.0	13.063	1.307	1602.122	0.07%	98.47%
66.0	12.745	1.288	1603.41	0.07%	98.55%
67.0	12.378	1.263	1604.673	0.07%	98.63%
68.0	12.060	1.238	1605.911	0.07%	98.70%
69.0	11.721	1.213	1607.124	0.07%	98.78%
70.0	11.389	1.187	1608.311	0.07%	98.85%
71.0	11.015	1.158	1609.469	0.07%	98.92%
72.0	10.662	1.127	1610.596	0.06%	98.99%
73.0	10.323	1.097	1611.694	0.06%	99.06%
74.0	10.033	1.070	1612.764	0.06%	99.12%
75.0	9.735	1.044	1613.808	0.06%	99.19%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.445	1.018	1614.827	0.06%	99.25%
77.0	9.196	0.994	1615.82	0.06%	99.31%
78.0	8.960	0.972	1616.792	0.05%	99.37%
79.0	8.746	0.951	1617.744	0.05%	99.43%
80.0	8.531	0.931	1618.675	0.05%	99.49%
81.0	8.345	0.913	1619.588	0.05%	99.54%
82.0	8.158	0.895	1620.483	0.05%	99.60%
83.0	7.978	0.877	1621.36	0.05%	99.65%
84.0	7.777	0.858	1622.218	0.05%	99.70%
85.0	7.618	0.840	1623.058	0.05%	99.76%
86.0	7.445	0.823	1623.882	0.05%	99.81%
87.0	7.293	0.807	1624.688	0.05%	99.86%
88.0	7.154	0.791	1625.48	0.04%	99.91%
89.0	7.023	0.777	1626.257	0.04%	99.95%
90.0	6.961	0.767	1627.023	0.04%	100.00%

Zonal flux distribution table

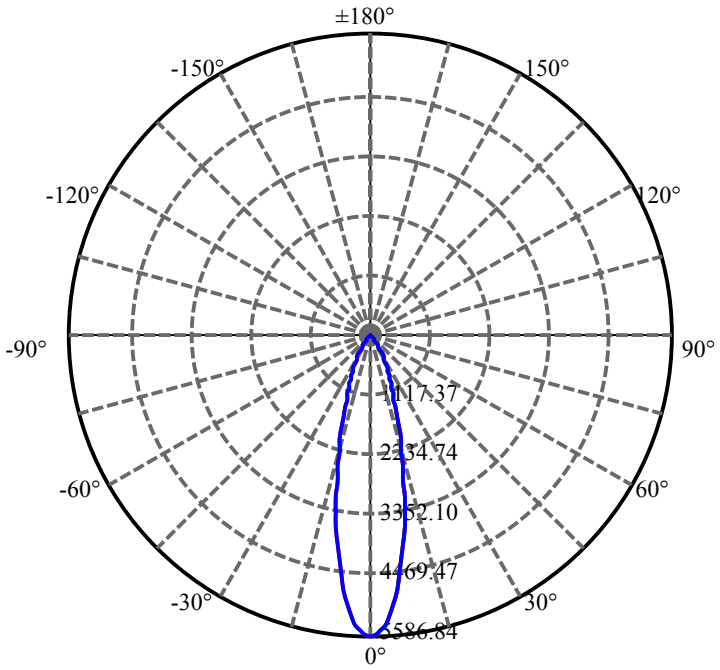
ZONAL LUMEN SUMMARY

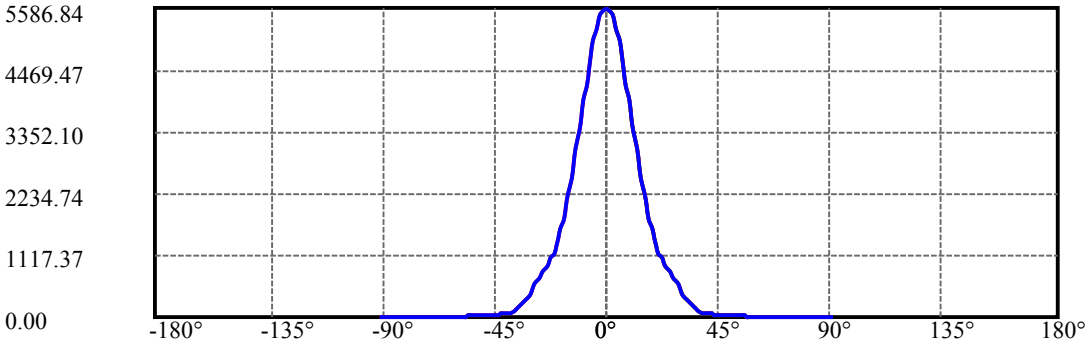
Zone	Lumens	%Lamp	%Fixt
0-30	1426.40	80.51%	87.67%
0-40	1548.17	87.39%	95.15%
0-60	1595.38	90.05%	98.06%
0-90	1626.26	91.79%	99.95%
0-120	1626.26	91.79%	99.95%
0-180	1627.02	91.84%	100.00%
60-90	30.87	1.74%	1.90%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.02	1301.62	73.47%	80.00%

ZONAL LUMEN SUMMARY

0-10	431.58
10-20	619.17
20-30	375.65
30-40	121.77
40-50	30.87
50-60	16.34
60-70	12.93
70-80	10.36
80-90	7.58
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):

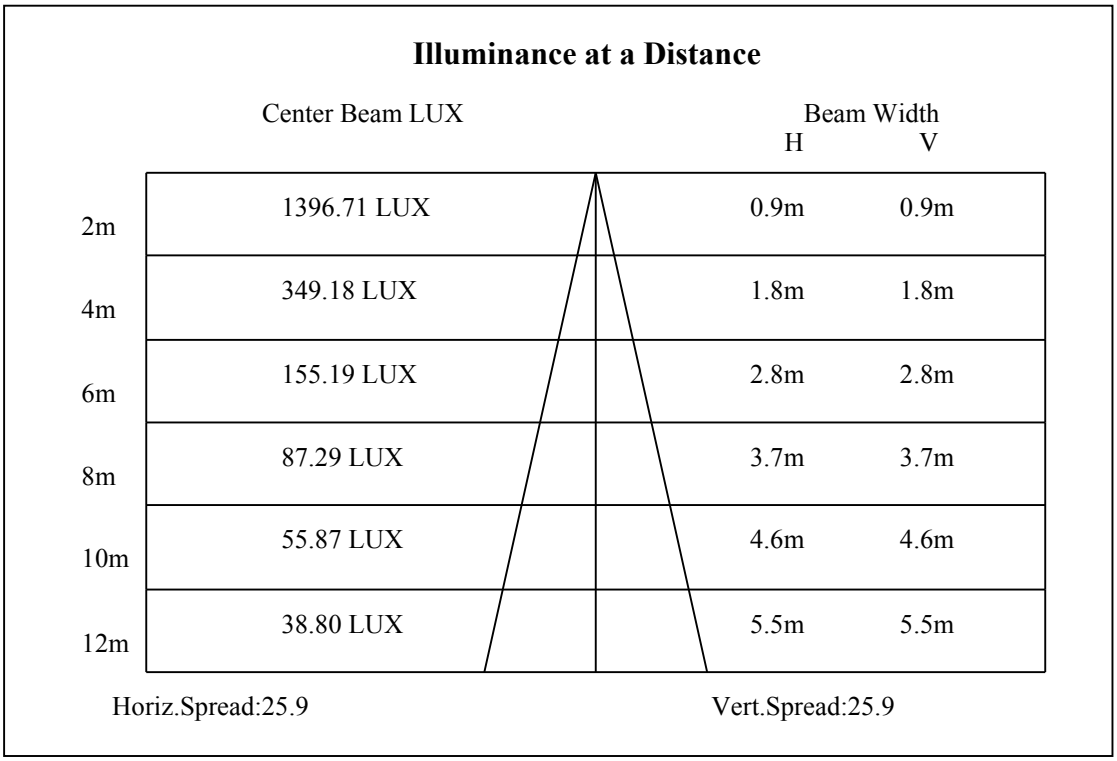
C0/C180:

C90/C270:

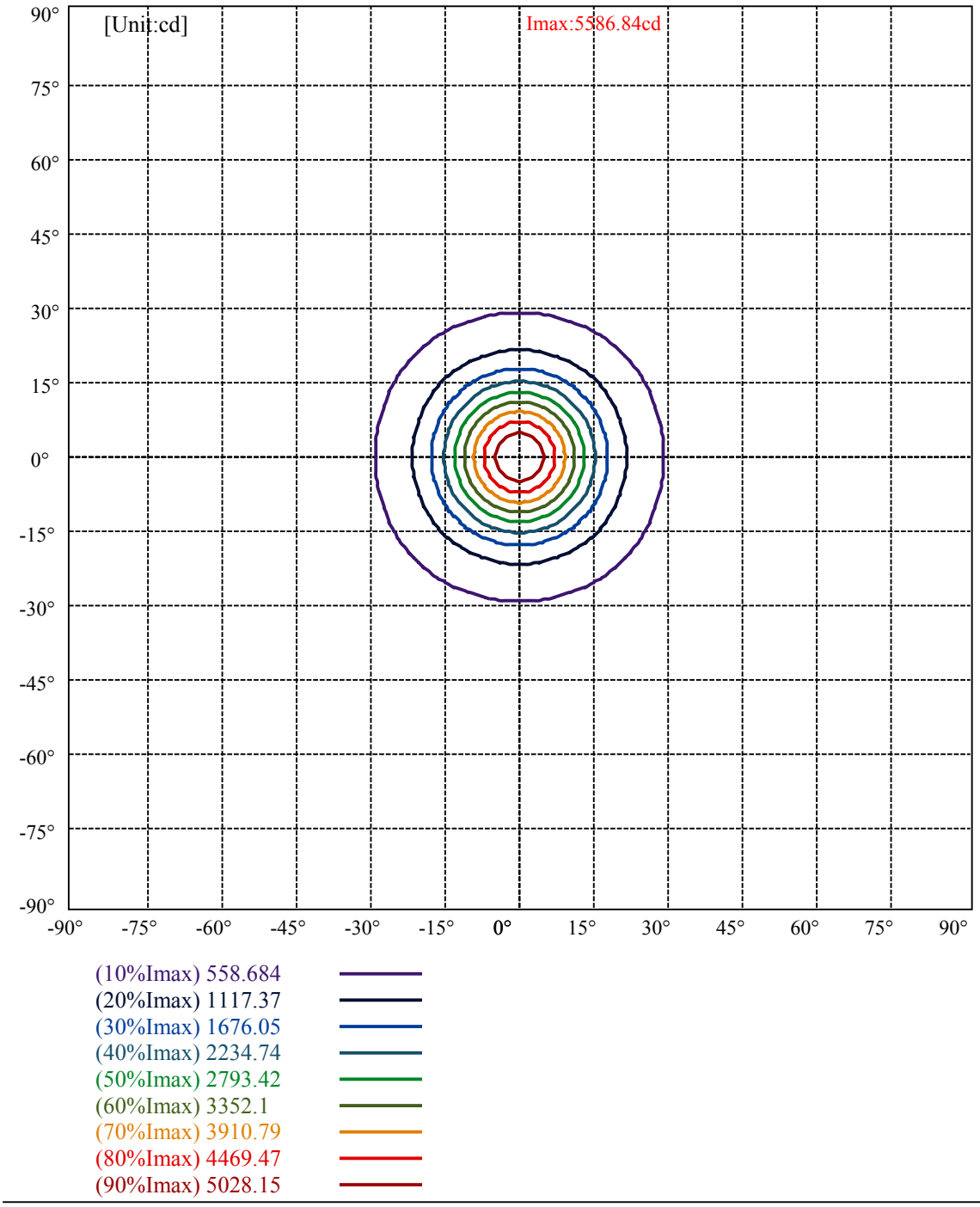
Field angle(10%Imax):C0/180Left:28.7 Right:28.7
:C90/270Left:28.7 Right:28.7

Beam Angle(50%Imax):C0/180Left:12.9 Right:12.9
:C90/270Left:12.9 Right:12.9

Lux distance Curve



ISO-Intensity(V-H)

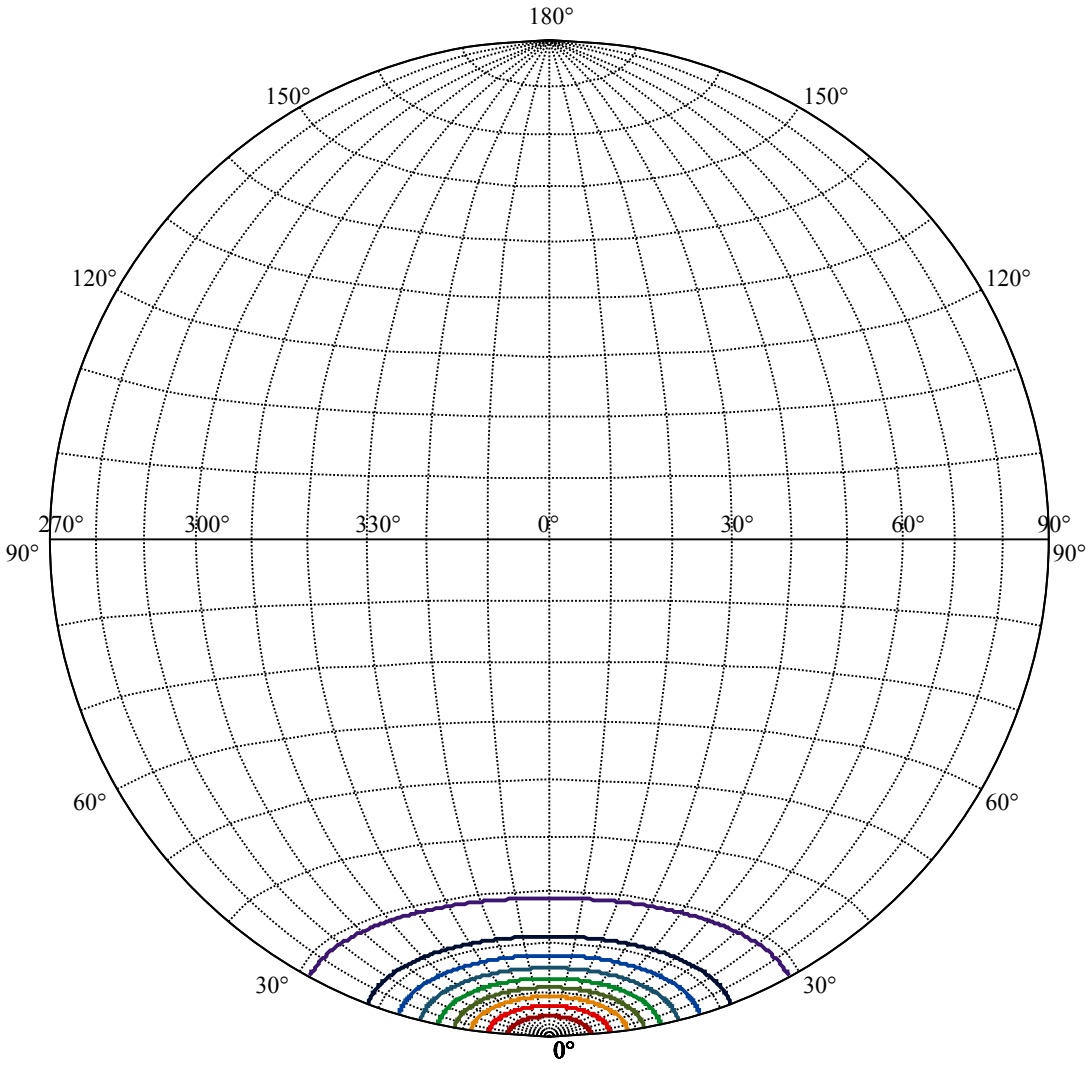


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



[Unit:cd]

Imax:5586.84

(10%Imax) 558.684
(20%Imax) 1117.37
(30%Imax) 1676.05
(40%Imax) 2234.74
(50%Imax) 2793.42
(60%Imax) 3352.1
(70%Imax) 3910.79
(80%Imax) 4469.47
(90%Imax) 5028.15

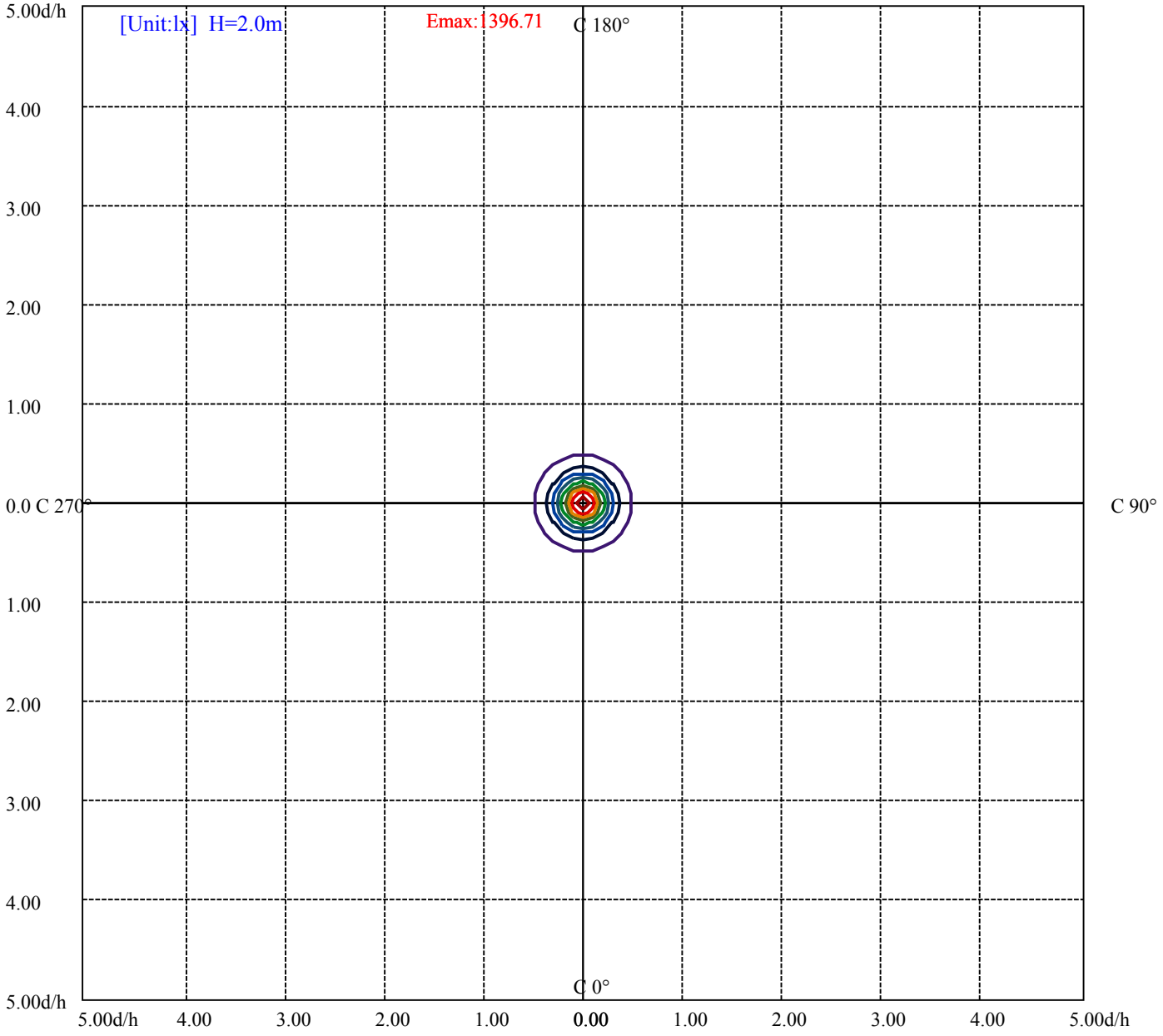
Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

NT 1-1382-L

ISO illuminance diagram

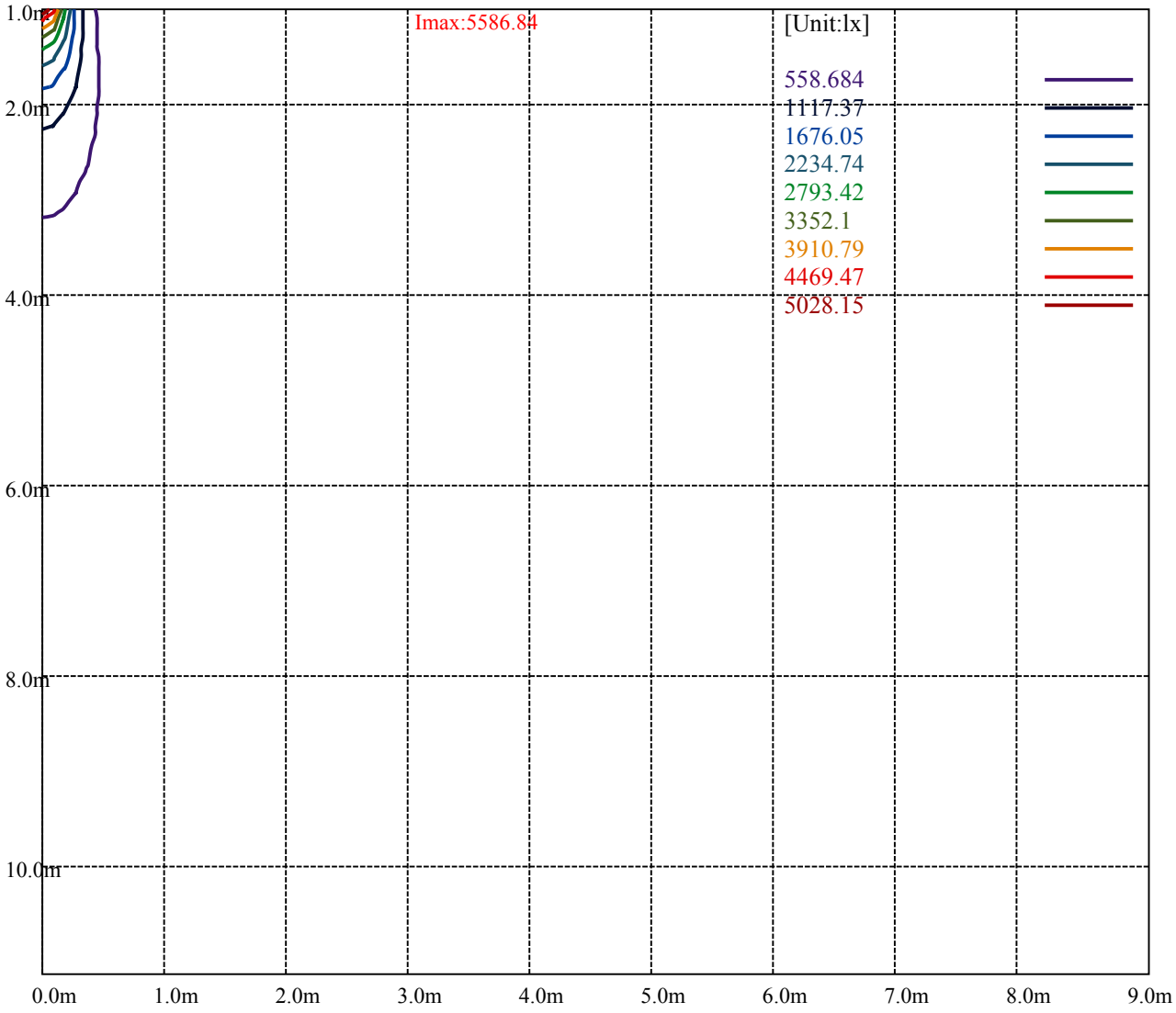


Equipment: GMS1980
Temperature(°C): 0.0

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

Luminance Limitting Curve(no luminous side)

Luminance Table

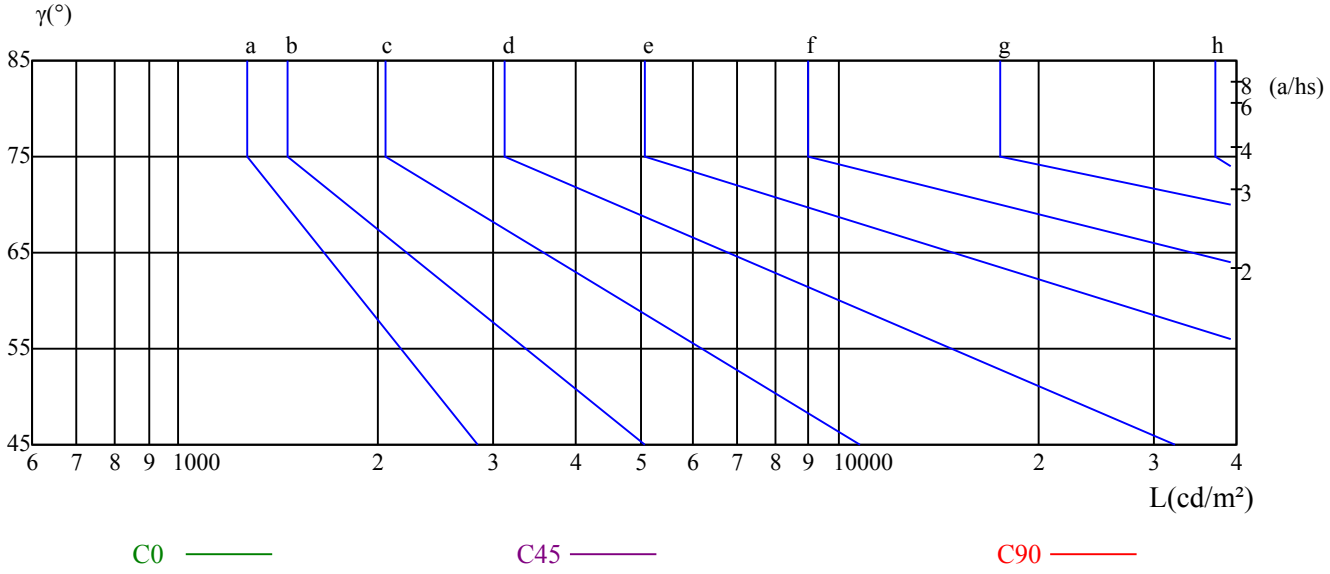
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

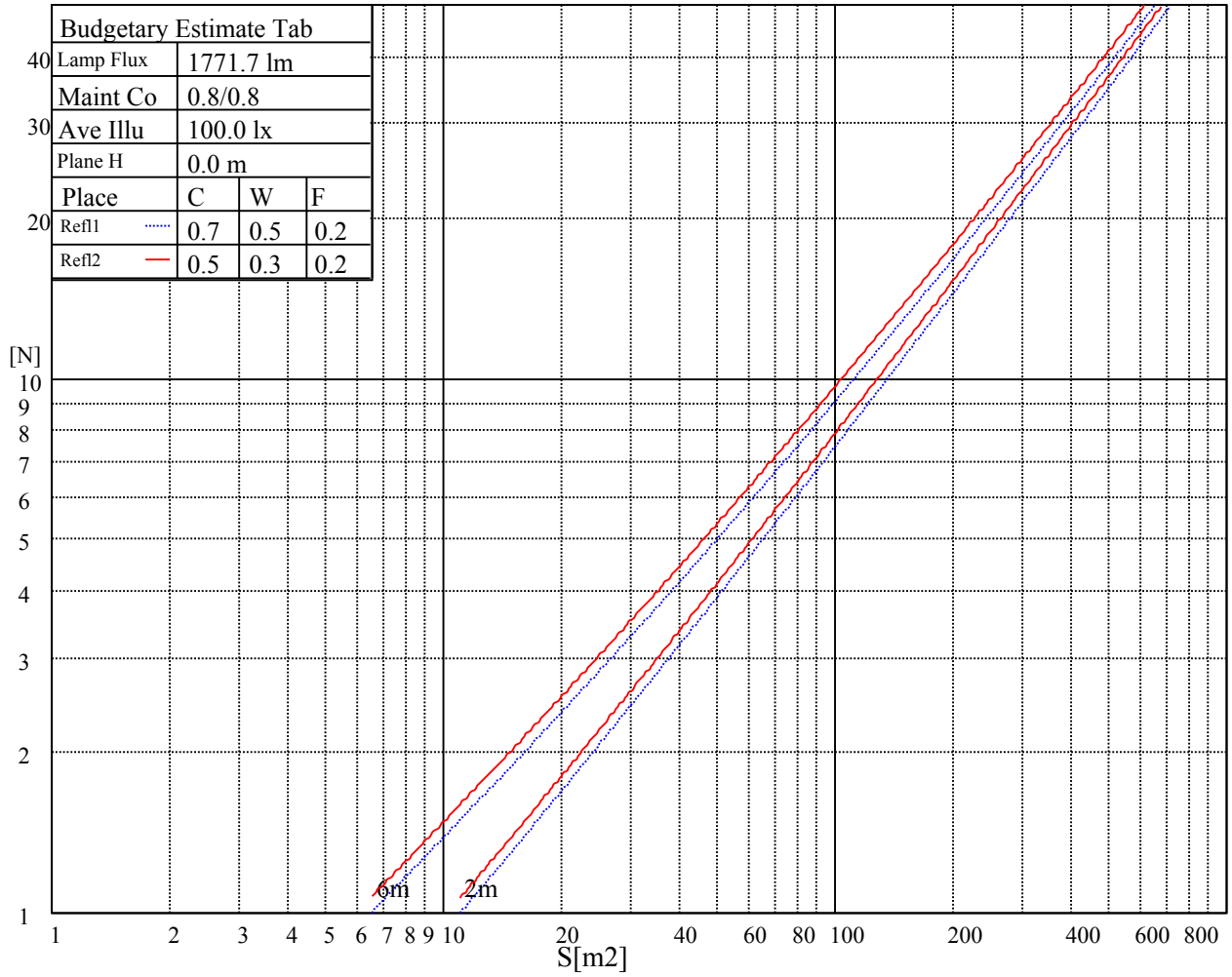
Luminance Limitting Curve



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

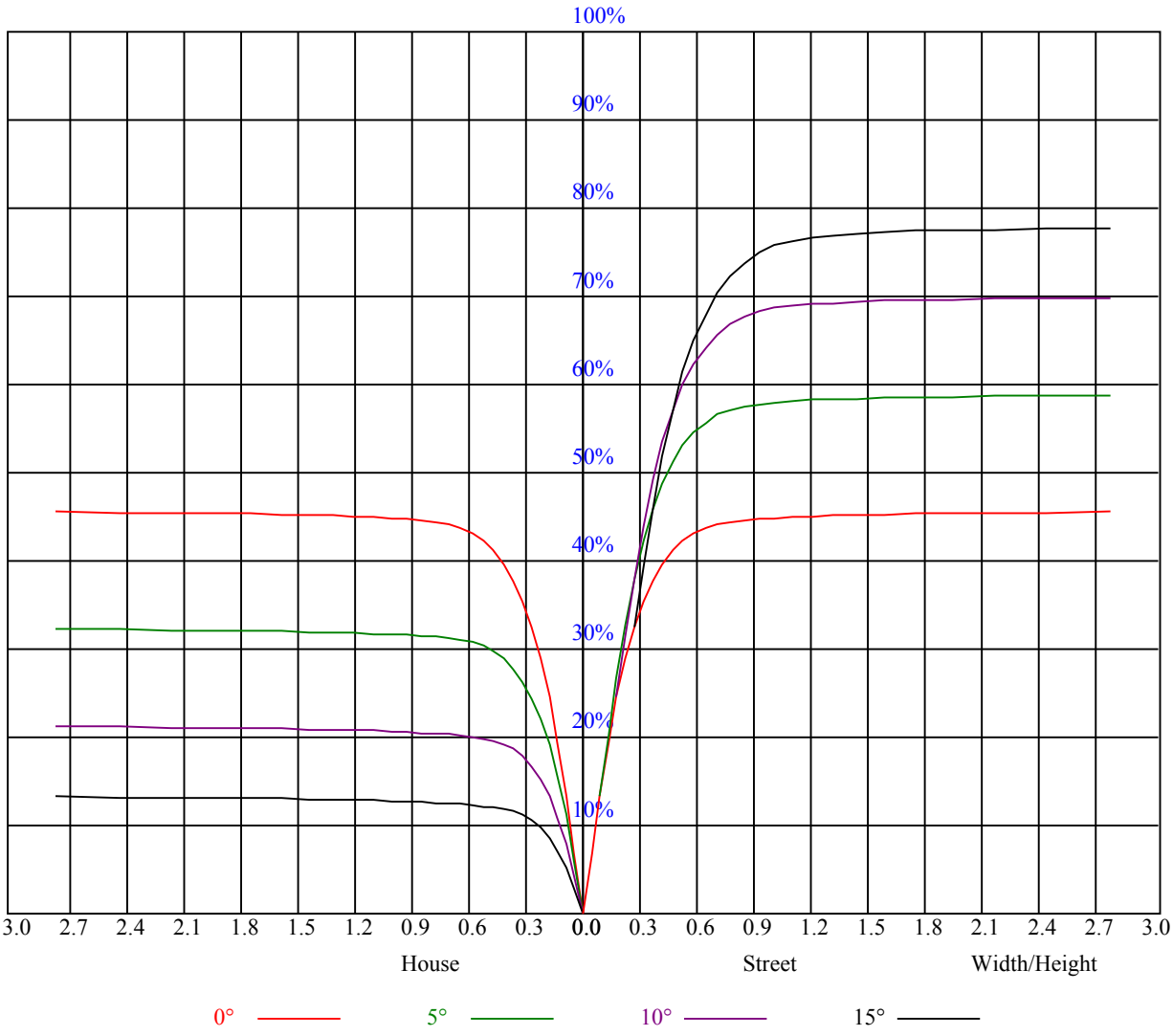


Equipment: GMS1980 Date: 2023/11/09 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.09	1.09	1.09	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.03	1.00	0.99	1.01	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.89	0.87
2	0.97	0.94	0.91	0.95	0.92	0.90	0.92	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.84	0.83
3	0.92	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.84	0.82	0.80	0.79
4	0.87	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.78	0.81	0.79	0.77	0.75
5	0.83	0.79	0.76	0.83	0.78	0.75	0.81	0.77	0.75	0.80	0.76	0.74	0.78	0.76	0.73	0.72
6	0.80	0.75	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.69
7	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.67
8	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.71	0.67	0.65	0.64
9	0.71	0.67	0.64	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.62
10	0.68	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60

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	5557.50	5483.33	5347.16	5179.44	4909.31	4665.75	4412.79	4080.11	3806.11
45.0	5612.30	5571.89	5508.24	5360.44	5180.54	4901.56	4667.42	4408.91	4081.77
90.0	5583.52	5503.25	5390.33	5183.86	4964.11	4726.64	4417.77	4156.50	3893.02
135.0	5596.80	5575.21	5516.54	5415.24	5214.86	5025.55	4808.01	4511.87	4261.12
180.0	5557.50	5608.43	5600.68	5564.70	5471.15	5291.25	5108.03	4834.03	4595.46
225.0	5612.30	5590.71	5534.25	5435.72	5287.93	5041.61	4803.03	4548.96	4279.94
270.0	5577.98	5610.64	5597.36	5546.98	5420.78	5268.00	5075.93	4851.19	4530.14
315.0	5596.80	5559.72	5500.49	5390.89	5245.86	4995.66	4774.80	4465.93	4196.91
360.0	5557.50	5483.33	5347.16	5179.44	4909.31	4665.75	4412.79	4080.11	3806.11

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3531.56	3198.33	2925.44	2664.72	2364.15	2146.61	1939.04	1755.26	1554.33
45.0	3818.84	3554.81	3280.81	2937.06	2670.26	2417.85	2183.15	1911.91	1715.96
90.0	3607.39	3260.88	2984.67	2707.90	2435.56	2138.86	1911.36	1709.87	1493.99
135.0	4003.17	3682.68	3413.10	3140.21	2799.23	2530.21	2281.12	1998.26	1800.10
180.0	4336.95	4016.46	3747.99	3476.21	3131.35	2854.59	2591.66	2352.53	2068.56
225.0	3930.66	3653.89	3384.32	3110.87	2786.50	2526.89	2226.32	2004.91	1803.97
270.0	4268.87	3998.19	3736.37	3387.64	3114.19	2843.51	2518.59	2285.55	2004.91
315.0	3927.89	3584.70	3320.66	3057.18	2798.68	2481.50	2245.70	2032.58	1794.56
360.0	3531.56	3198.33	2925.44	2664.72	2364.15	2146.61	1939.04	1755.26	1554.33

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1409.86	1103.97	1103.97	1029.08	944.00	872.15	791.67	726.85	659.43
45.0	1553.78	1372.77	1244.35	1130.87	1015.74	937.69	871.27	799.31	740.63
90.0	1352.84	1095.67	1095.67	1007.05	927.78	845.14	787.90	734.10	673.60
135.0	1622.97	1466.32	1322.40	1167.96	1063.34	973.12	882.34	820.89	763.33
180.0	1864.86	1684.96	1526.65	1385.50	1221.10	1114.82	1002.45	917.21	856.32
225.0	1588.09	1436.98	1219.44	1089.58	1066.77	984.46	910.46	850.62	782.76
270.0	1802.31	1621.86	1429.78	1295.27	1172.94	1074.41	968.13	894.51	834.73
315.0	1619.65	1461.34	1224.98	1085.26	1060.52	967.30	893.68	812.37	751.65
360.0	1409.86	1103.97	1103.97	1029.08	944.00	872.15	791.67	726.85	659.43

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	569.15	498.51	412.16	345.19	281.14	223.68	170.82	120.45	95.43
45.0	674.21	603.35	518.11	452.24	385.81	322.71	291.16	291.16	143.31
90.0	592.45	526.36	459.66	378.34	316.46	256.07	187.81	141.21	107.94
135.0	687.49	622.17	538.04	469.95	402.97	337.10	290.61	290.61	152.11
180.0	781.59	724.58	659.26	569.59	500.95	430.10	363.12	282.86	282.86
225.0	725.41	658.87	573.46	505.05	418.75	350.83	287.45	229.11	166.28
270.0	774.40	693.03	627.16	557.41	471.61	403.53	337.66	290.61	290.61
315.0	668.45	598.04	526.08	437.85	369.87	304.72	243.50	177.41	135.23
360.0	569.15	498.51	412.16	345.19	281.14	223.68	170.82	120.45	95.43

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	81.65	73.68	65.37	59.89	53.86	49.54	45.22	40.08	36.20
45.0	103.90	87.24	78.05	68.64	62.66	56.35	51.87	47.66	43.62
90.0	84.08	74.45	66.81	59.12	53.75	49.04	45.00	40.30	36.37
135.0	116.19	88.18	76.39	68.08	61.11	54.63	50.10	45.06	41.18
180.0	210.51	126.93	95.54	81.70	72.79	63.99	58.07	51.64	47.44
225.0	128.09	102.40	87.46	76.11	69.14	63.05	57.68	51.92	47.77
270.0	151.83	109.71	90.06	79.49	71.46	63.44	58.23	53.47	49.04
315.0	105.34	87.62	76.61	69.69	63.49	56.90	52.48	47.05	42.95
360.0	81.65	73.68	65.37	59.89	53.86	49.54	45.22	40.08	36.20

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	32.66	29.01	26.68	24.52	22.81	20.98	19.87	18.88	18.05
45.0	39.63	34.93	31.83	29.17	26.79	24.24	22.58	20.81	19.71
90.0	32.77	29.67	26.68	24.58	22.81	20.98	19.76	18.43	17.55
135.0	37.36	32.94	29.95	27.46	25.24	22.97	21.48	20.20	19.10
180.0	43.51	39.58	34.82	31.66	29.06	26.74	24.24	22.53	21.09
225.0	42.73	38.75	35.32	31.72	29.28	27.07	24.69	23.03	21.59
270.0	44.12	40.13	36.37	32.27	29.72	26.79	24.85	23.14	21.75
315.0	38.75	34.87	30.78	28.17	25.96	23.97	21.98	20.65	19.60
360.0	32.66	29.01	26.68	24.52	22.81	20.98	19.87	18.88	18.05

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	17.16	16.50	15.94	15.39	14.95	14.50	14.23	13.95	13.62
45.0	18.65	17.60	16.88	16.27	15.55	15.11	14.67	14.28	13.89
90.0	16.83	16.16	15.44	14.95	14.56	14.17	13.78	13.51	13.23
135.0	17.88	16.99	16.33	15.61	15.17	14.67	14.34	14.00	13.62
180.0	19.87	18.54	17.66	16.72	16.16	15.67	15.11	14.72	14.39
225.0	20.31	19.04	18.10	17.33	16.72	15.94	15.50	14.95	14.50
270.0	20.15	19.10	18.21	17.44	16.66	16.05	15.55	15.17	14.67
315.0	18.43	17.66	16.94	16.27	15.72	15.33	14.83	14.50	14.17
360.0	17.16	16.50	15.94	15.39	14.95	14.50	14.23	13.95	13.62

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.28	12.95	12.68	12.40	11.96	11.68	11.35	11.02	10.63
45.0	13.51	13.23	12.95	12.57	12.29	11.96	11.51	11.24	10.85
90.0	13.01	12.68	12.40	12.07	11.73	11.46	11.07	10.79	10.52
135.0	13.34	13.12	12.90	12.57	12.18	11.90	11.57	11.29	10.90
180.0	13.95	13.73	13.40	13.12	12.73	12.45	12.18	11.85	11.40
225.0	14.17	13.73	13.40	13.06	12.68	12.23	11.96	11.57	11.24
270.0	14.34	13.89	13.62	13.28	12.90	12.57	12.23	11.79	11.46
315.0	13.84	13.51	13.17	12.90	12.57	12.23	11.90	11.57	11.13
360.0	13.28	12.95	12.68	12.40	11.96	11.68	11.35	11.02	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	9.91	9.69	9.41	9.13	8.91	8.69	8.47	8.25
45.0	10.52	10.24	9.96	9.63	9.35	9.13	8.91	8.64	8.47
90.0	10.13	9.85	9.63	9.35	9.08	8.91	8.64	8.47	8.30
135.0	10.57	10.19	9.91	9.69	9.35	9.13	8.91	8.69	8.47
180.0	11.13	10.68	10.35	10.07	9.74	9.47	9.19	9.02	8.80
225.0	10.79	10.52	10.19	9.80	9.58	9.24	9.02	8.80	8.58
270.0	11.13	10.79	10.41	10.07	9.80	9.52	9.30	9.02	8.80
315.0	10.79	10.41	10.13	9.85	9.52	9.24	9.02	8.86	8.58
360.0	10.24	9.91	9.69	9.41	9.13	8.91	8.69	8.47	8.25

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.08	7.97	7.75	7.64	7.47	7.31	7.20	6.97	6.92
45.0	8.30	8.08	7.92	7.69	7.58	7.36	7.25	7.20	6.92
90.0	8.14	7.92	7.80	7.58	7.42	7.31	7.14	6.97	6.97
135.0	8.30	8.14	7.92	7.75	7.58	7.36	7.25	7.14	6.92
180.0	8.58	8.36	8.19	7.97	7.80	7.64	7.47	7.36	7.14
225.0	8.36	8.19	7.97	7.75	7.64	7.47	7.31	7.14	7.14
270.0	8.58	8.41	8.19	7.97	7.75	7.58	7.42	7.31	7.14
315.0	8.41	8.19	8.08	7.86	7.69	7.53	7.31	7.14	7.03
360.0	8.08	7.97	7.75	7.64	7.47	7.31	7.20	6.97	6.92

Intensity data(cd)

C/γ(°)	90.0
0.0	6.97
45.0	6.92
90.0	7.03
135.0	6.97
180.0	6.97
225.0	6.92
270.0	6.97
315.0	6.92
360.0	6.97