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NT

Client:
LumCAT: 1-1384-L
Luminaire: 92.70.410.00
Report No: 20231109-B008
Ballast type: AC

Test No: 20231109-C008	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): 1605.80, Efficiency(%): 90.64% , Luminous Efficacy(lm/W): 144.50
Central intensity(cd): 2474.998, Maximum intensity(cd): 2474.998
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=49.6
[C90/270]Total=49.6
Field angle(10%Imax): [C0/180]Total=68.8
[C90/270]Total=68.8
Beam angle of C0 plane : 49.54
Aveage BeamAngle(IEC 61341):49.54
Maximum s/h(1/2): C0_180=0.81 C90_270=0.81
Maximum s/h(1/4): C0_180=0.76 C90_270=0.76
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 90.64%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.894%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2474.998	0.000	0	0.00%	0.00%
1.0	2472.715	2.367	2.367	0.13%	0.15%
2.0	2468.009	7.091	9.459	0.40%	0.59%
3.0	2460.813	11.788	21.247	0.67%	1.32%
4.0	2448.843	16.434	37.681	0.93%	2.35%
5.0	2438.119	21.023	58.705	1.19%	3.66%
6.0	2422.619	25.544	84.249	1.44%	5.25%
7.0	2401.931	29.946	114.195	1.69%	7.11%
8.0	2379.305	34.218	148.413	1.93%	9.24%
9.0	2351.974	38.344	186.758	2.16%	11.63%
10.0	2320.561	42.285	229.043	2.39%	14.26%
11.0	2285.619	46.025	275.068	2.60%	17.13%
12.0	2246.941	49.547	324.615	2.80%	20.22%
13.0	2202.312	52.801	377.417	2.98%	23.50%
14.0	2150.972	55.722	433.138	3.15%	26.97%
15.0	2098.801	58.343	491.481	3.29%	30.61%
16.0	2042.271	60.678	552.159	3.42%	34.39%
17.0	1976.262	62.579	614.739	3.53%	38.28%
18.0	1904.164	63.980	678.718	3.61%	42.27%
19.0	1827.637	64.926	743.644	3.66%	46.31%
20.0	1740.663	65.310	808.954	3.69%	50.38%
21.0	1649.399	65.096	874.05	3.67%	54.43%
22.0	1556.474	64.423	938.473	3.64%	58.44%
23.0	1453.240	63.152	1001.625	3.56%	62.38%
24.0	1326.473	60.774	1062.4	3.43%	66.16%
25.0	1211.261	57.703	1120.102	3.26%	69.75%
26.0	1146.816	55.663	1175.765	3.14%	73.22%
27.0	1033.175	53.334	1229.099	3.01%	76.54%
28.0	915.694	49.341	1278.44	2.79%	79.61%
29.0	787.993	44.573	1323.013	2.52%	82.39%
30.0	666.388	39.268	1362.281	2.22%	84.84%
31.0	545.364	33.721	1396.003	1.90%	86.94%
32.0	445.181	28.378	1424.381	1.60%	88.70%
33.0	347.448	23.351	1447.732	1.32%	90.16%
34.0	267.413	18.608	1466.339	1.05%	91.32%
35.0	222.771	15.223	1481.563	0.86%	92.26%
36.0	173.907	12.630	1494.193	0.71%	93.05%
37.0	119.086	9.556	1503.749	0.54%	93.64%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	92.932	7.077	1510.826	0.40%	94.09%
39.0	79.273	5.878	1516.703	0.33%	94.45%
40.0	68.846	5.166	1521.869	0.29%	94.77%
41.0	60.176	4.594	1526.464	0.26%	95.06%
42.0	53.693	4.137	1530.601	0.23%	95.32%
43.0	47.659	3.754	1534.355	0.21%	95.55%
44.0	42.788	3.414	1537.769	0.19%	95.76%
45.0	38.678	3.131	1540.9	0.18%	95.96%
46.0	35.233	2.890	1543.79	0.16%	96.14%
47.0	32.292	2.686	1546.476	0.15%	96.31%
48.0	29.836	2.512	1548.987	0.14%	96.46%
49.0	27.905	2.371	1551.359	0.13%	96.61%
50.0	26.189	2.255	1553.614	0.13%	96.75%
51.0	24.660	2.151	1555.765	0.12%	96.88%
52.0	23.380	2.061	1557.827	0.12%	97.01%
53.0	22.148	1.980	1559.807	0.11%	97.14%
54.0	21.117	1.907	1561.714	0.11%	97.25%
55.0	20.121	1.841	1563.555	0.10%	97.37%
56.0	19.325	1.782	1565.337	0.10%	97.48%
57.0	18.488	1.729	1567.066	0.10%	97.59%
58.0	17.817	1.679	1568.745	0.09%	97.69%
59.0	17.153	1.635	1570.38	0.09%	97.79%
60.0	16.578	1.594	1571.974	0.09%	97.89%
61.0	16.039	1.557	1573.53	0.09%	97.99%
62.0	15.513	1.520	1575.051	0.09%	98.09%
63.0	15.035	1.486	1576.536	0.08%	98.18%
64.0	14.565	1.452	1577.989	0.08%	98.27%
65.0	14.136	1.420	1579.409	0.08%	98.36%
66.0	13.707	1.389	1580.798	0.08%	98.44%
67.0	13.299	1.358	1582.156	0.08%	98.53%
68.0	12.939	1.329	1583.485	0.08%	98.61%
69.0	12.558	1.301	1584.786	0.07%	98.69%
70.0	12.205	1.272	1586.058	0.07%	98.77%
71.0	11.853	1.243	1587.301	0.07%	98.85%
72.0	11.520	1.215	1588.517	0.07%	98.92%
73.0	11.195	1.188	1589.705	0.07%	99.00%
74.0	10.863	1.160	1590.864	0.07%	99.07%
75.0	10.552	1.131	1591.996	0.06%	99.14%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.206	1.102	1593.098	0.06%	99.21%
77.0	9.929	1.074	1594.171	0.06%	99.28%
78.0	9.632	1.047	1595.218	0.06%	99.34%
79.0	9.341	1.019	1596.238	0.06%	99.40%
80.0	9.030	0.990	1597.228	0.06%	99.47%
81.0	8.753	0.962	1598.19	0.05%	99.53%
82.0	8.490	0.935	1599.125	0.05%	99.58%
83.0	8.248	0.910	1600.035	0.05%	99.64%
84.0	8.019	0.886	1600.921	0.05%	99.70%
85.0	7.791	0.863	1601.784	0.05%	99.75%
86.0	7.583	0.840	1602.624	0.05%	99.80%
87.0	7.417	0.821	1603.445	0.05%	99.85%
88.0	7.251	0.804	1604.249	0.05%	99.90%
89.0	7.030	0.783	1605.031	0.04%	99.95%
90.0	6.975	0.768	1605.799	0.04%	100.00%

Zonal flux distribution table

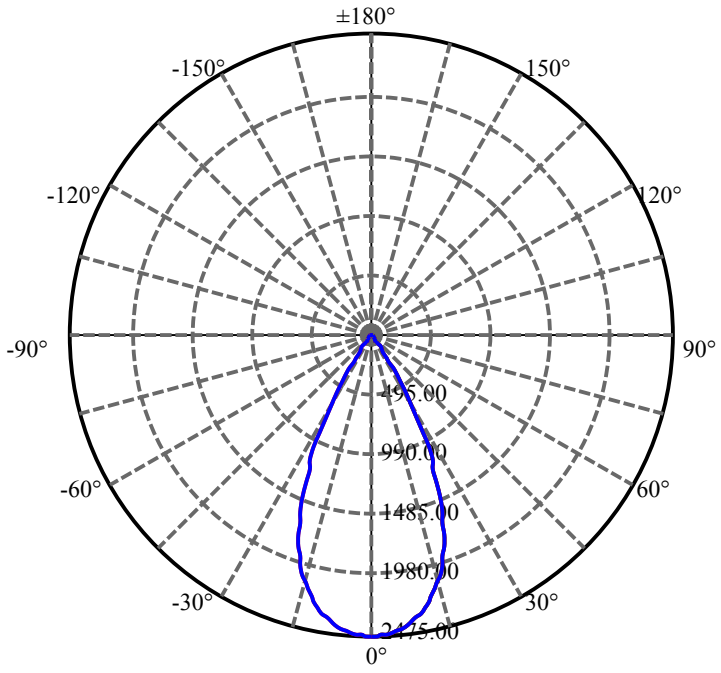
ZONAL LUMEN SUMMARY

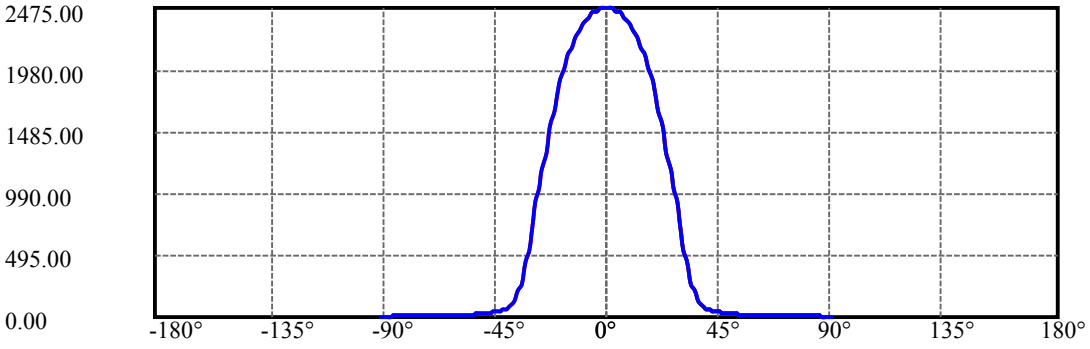
Zone	Lumens	%Lamp	%Fixt
0-30	1362.28	76.89%	84.84%
0-40	1521.87	85.90%	94.77%
0-60	1571.97	88.73%	97.89%
0-90	1605.03	90.59%	99.95%
0-120	1605.03	90.59%	99.95%
0-180	1605.80	90.64%	100.00%
60-90	33.06	1.87%	2.06%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.14	1284.64	72.51%	80.00%

ZONAL LUMEN SUMMARY

0-10	229.04
10-20	579.91
20-30	553.33
30-40	159.59
40-50	31.74
50-60	18.36
60-70	14.08
70-80	11.17
80-90	7.80
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):

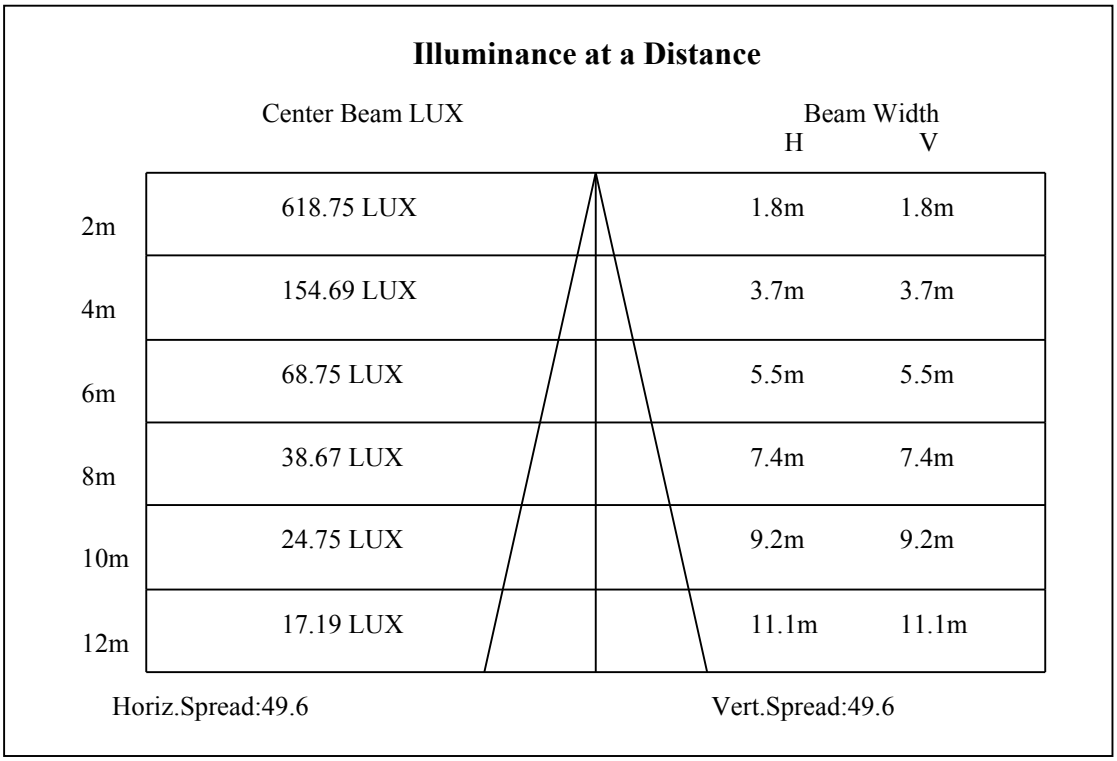
C0/C180:

C90/C270:

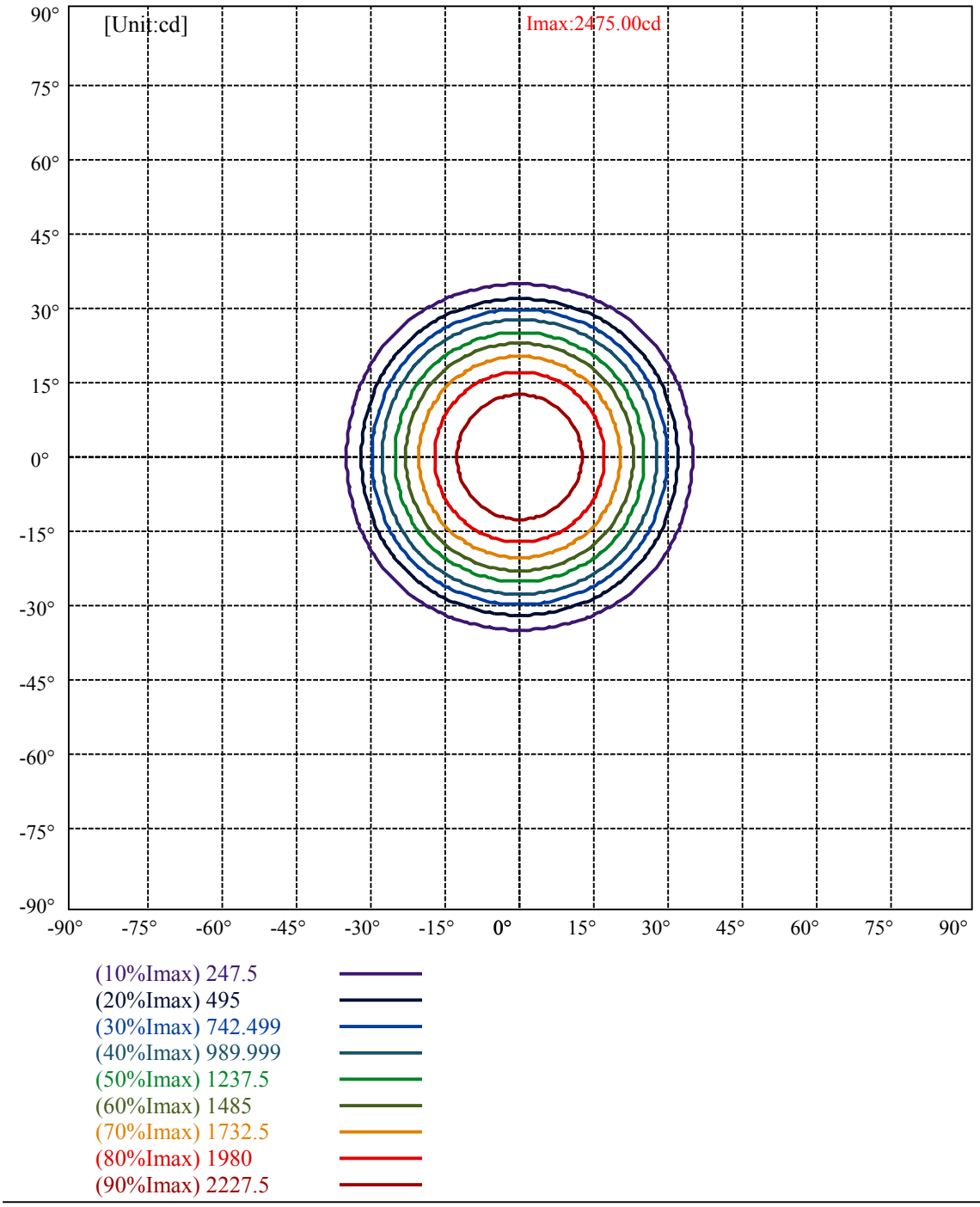
Field angle(10%Imax):C0/180Left:34.4 Right:34.4
:C90/270Left:34.4 Right:34.4

Beam Angle(50%Imax):C0/180Left:24.8 Right:24.8
:C90/270Left:24.8 Right:24.8

Lux distance Curve



ISO-Intensity(V-H)

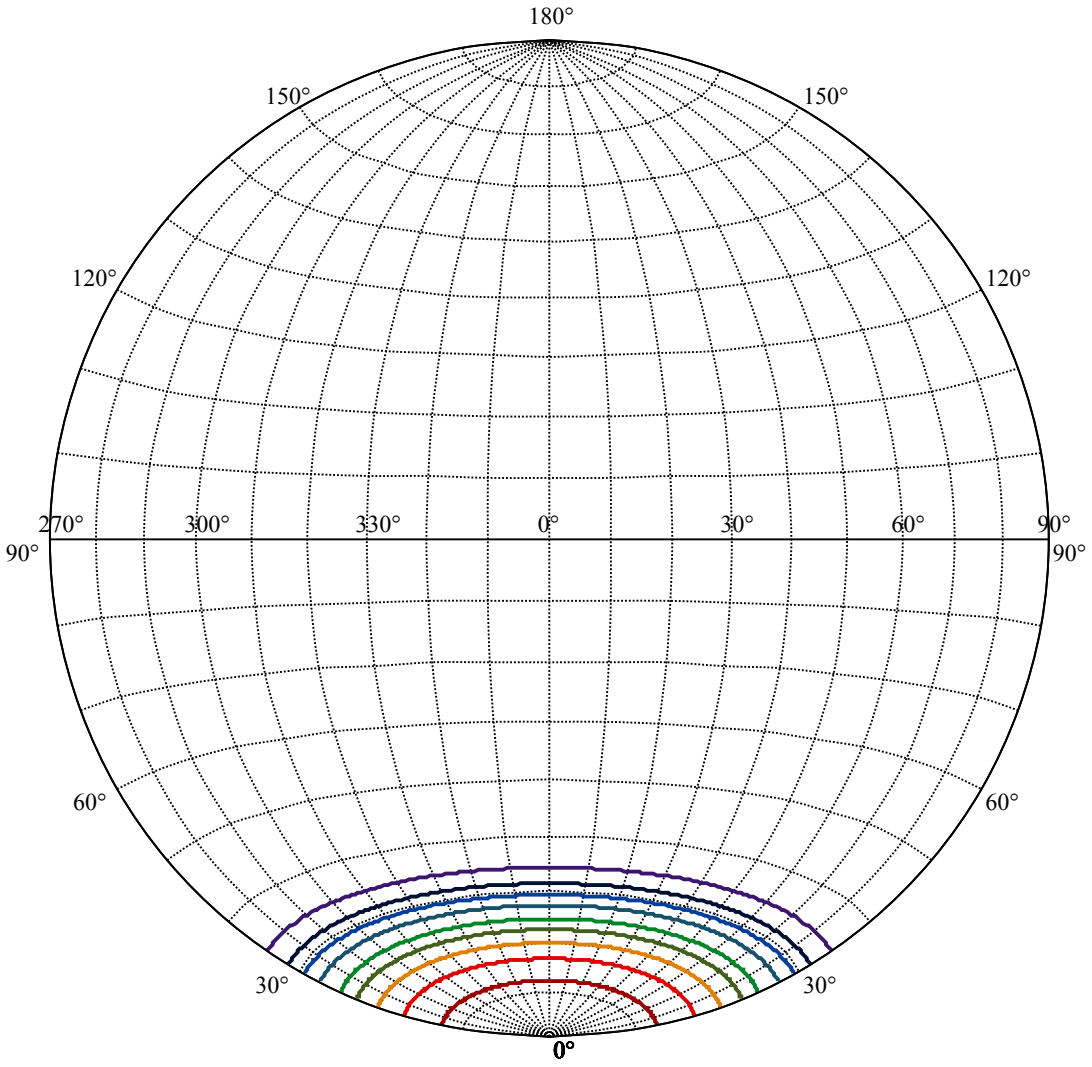


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



[Unit:cd]

Imax:2475.00

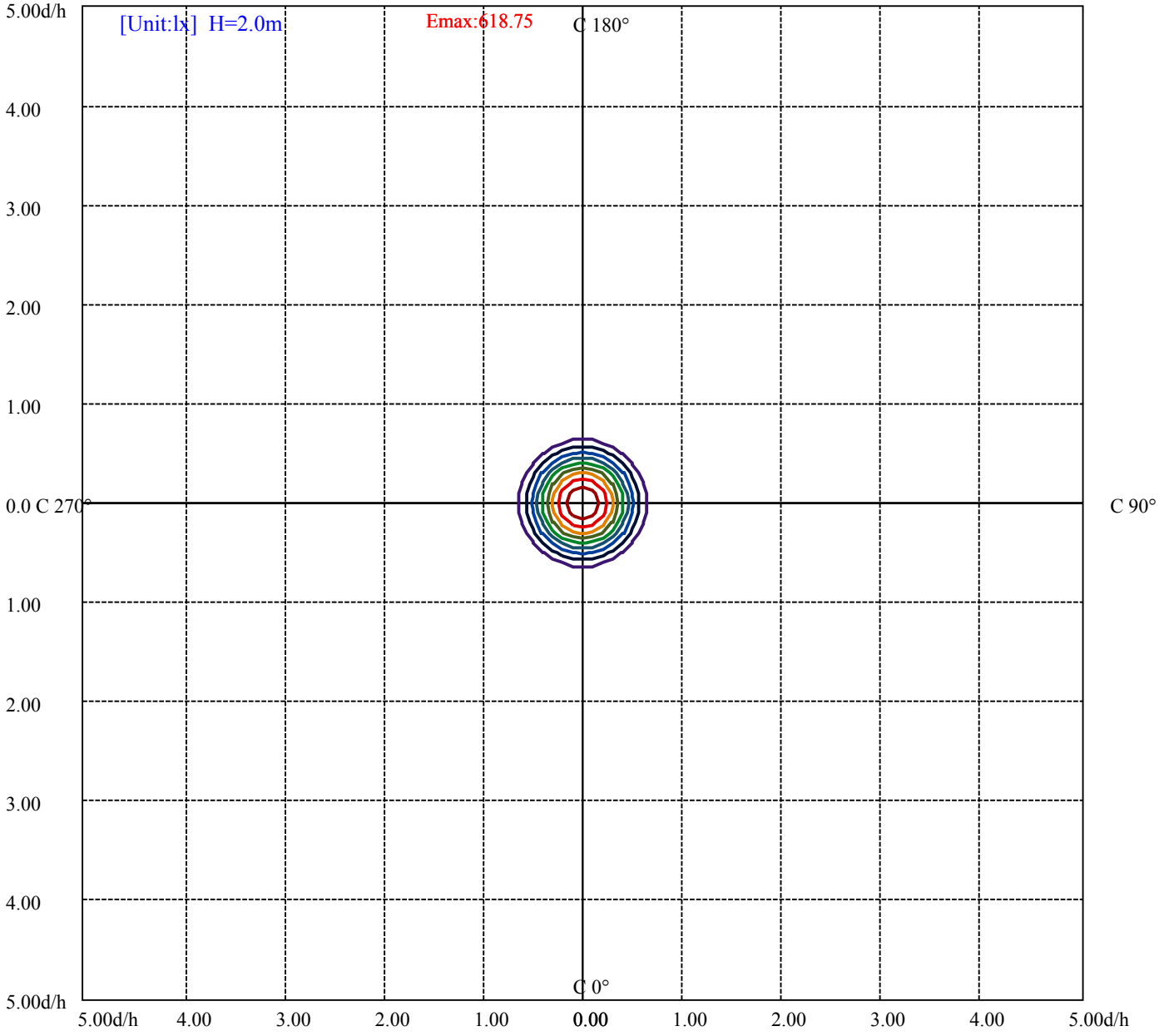
(10%Imax) 247.5
(20%Imax) 495
(30%Imax) 742.499
(40%Imax) 989.999
(50%Imax) 1237.5
(60%Imax) 1485
(70%Imax) 1732.5
(80%Imax) 1980
(90%Imax) 2227.5

Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

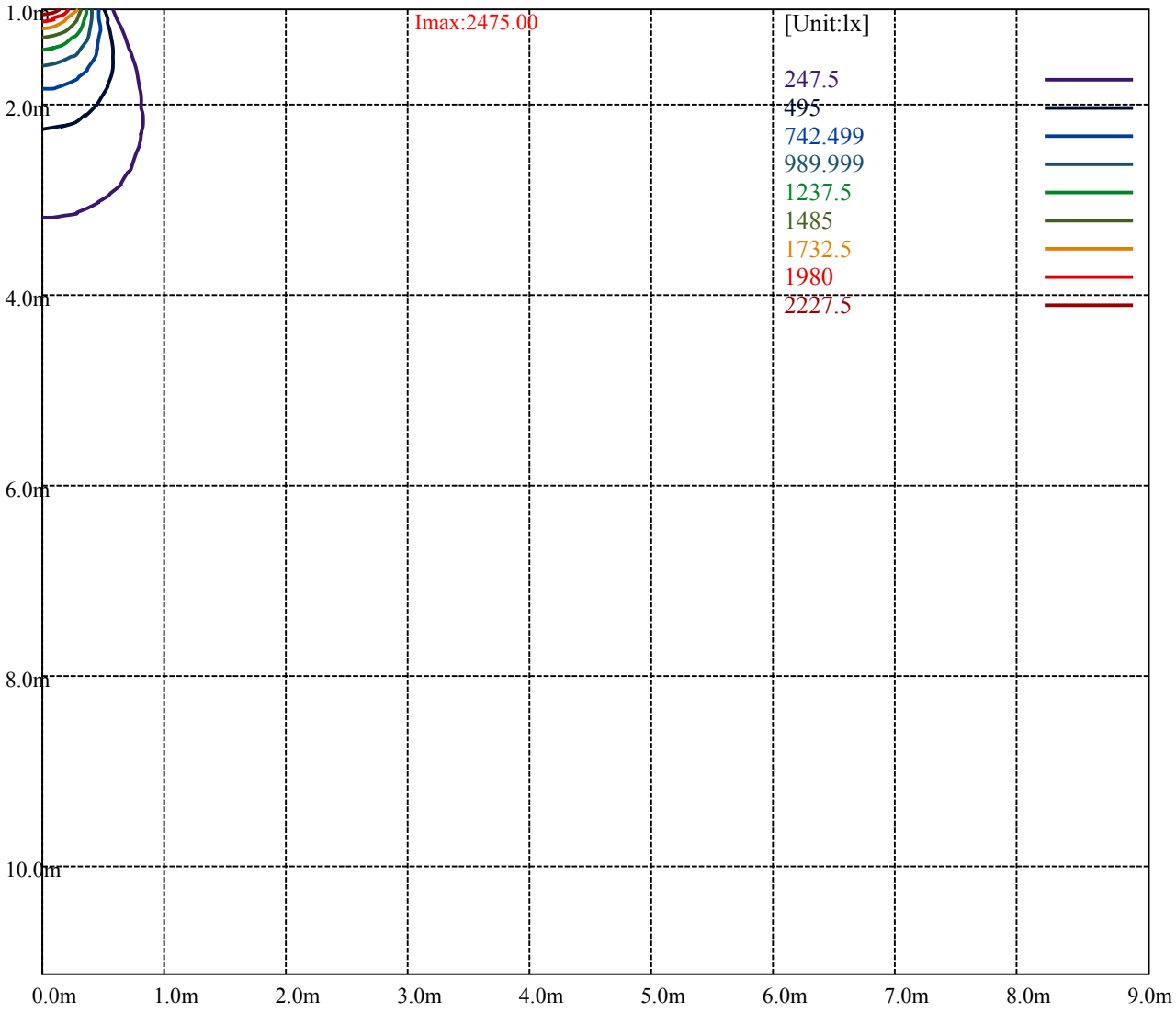
ISO illuminance diagram



(10%Emax) 61.875
(20%Emax) 123.75
(30%Emax) 185.6248
(40%Emax) 247.4998
(50%Emax) 309.375
(60%Emax) 371.25
(70%Emax) 433.125
(80%Emax) 495
(90%Emax) 556.875

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

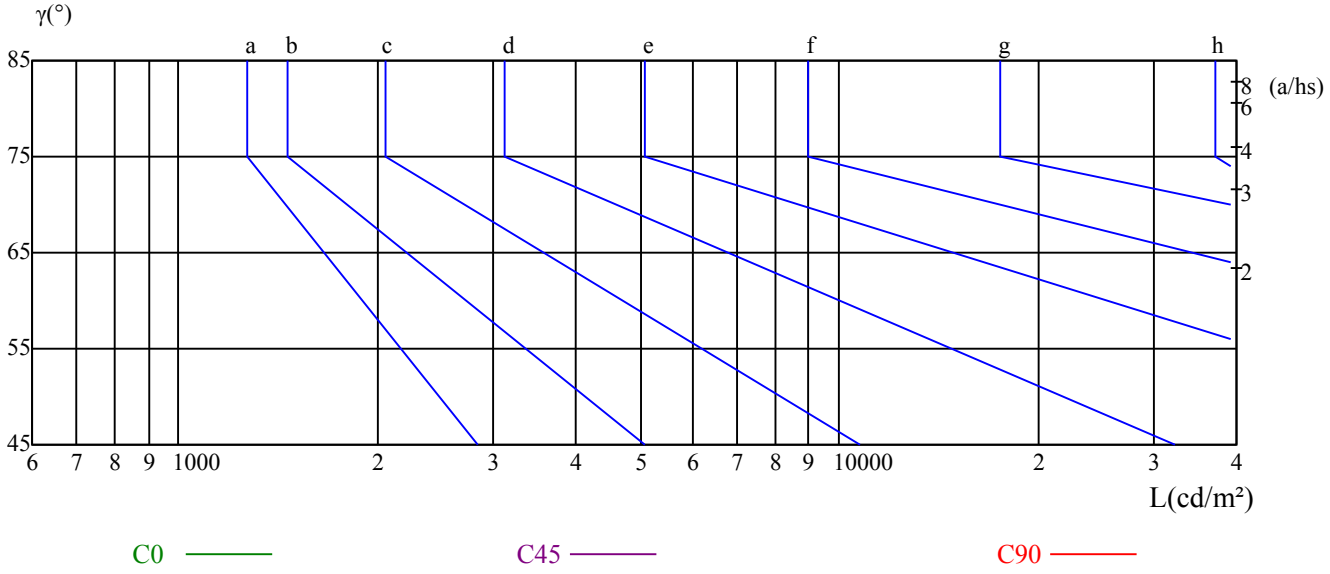
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

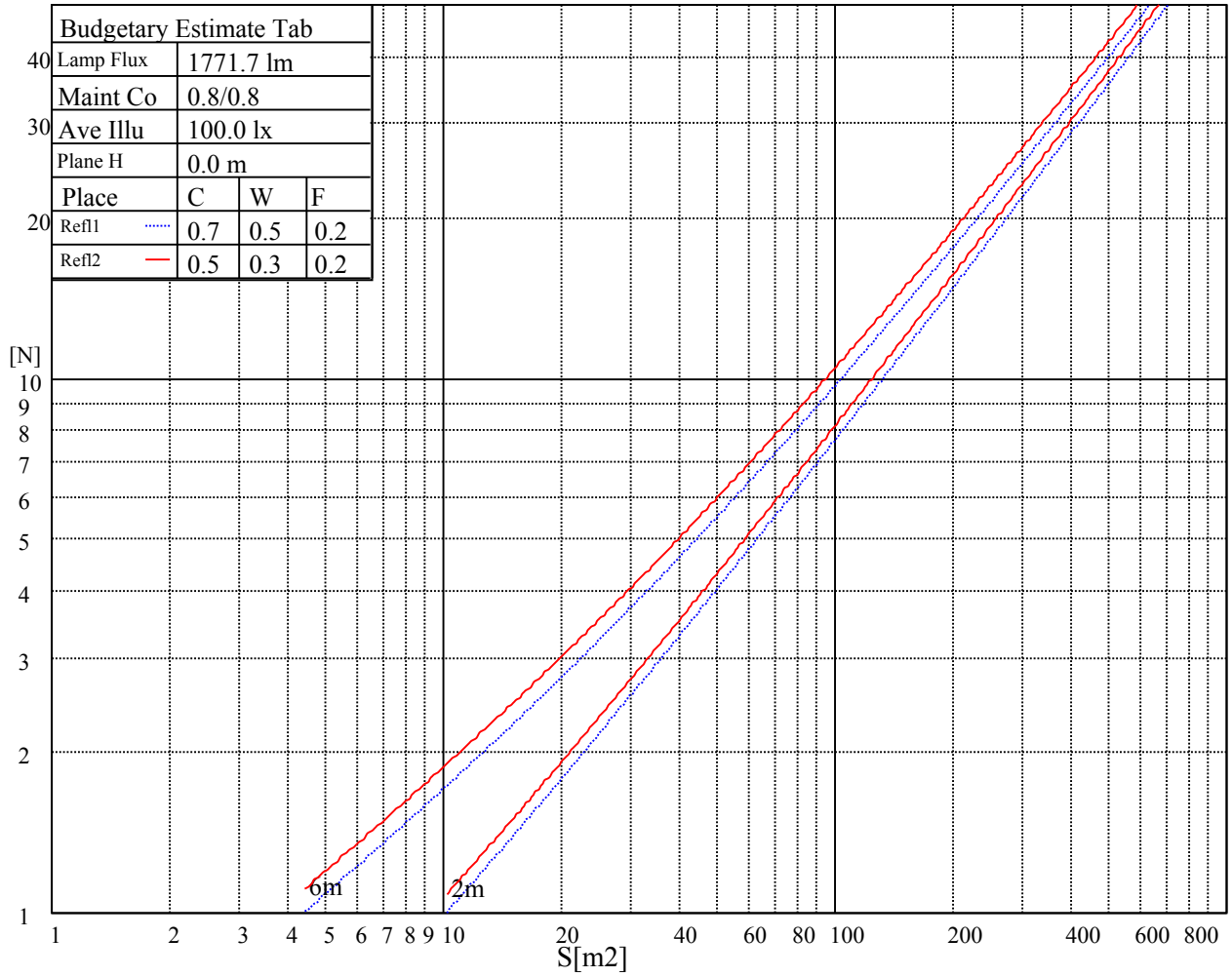
Luminance Limitting Curve



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

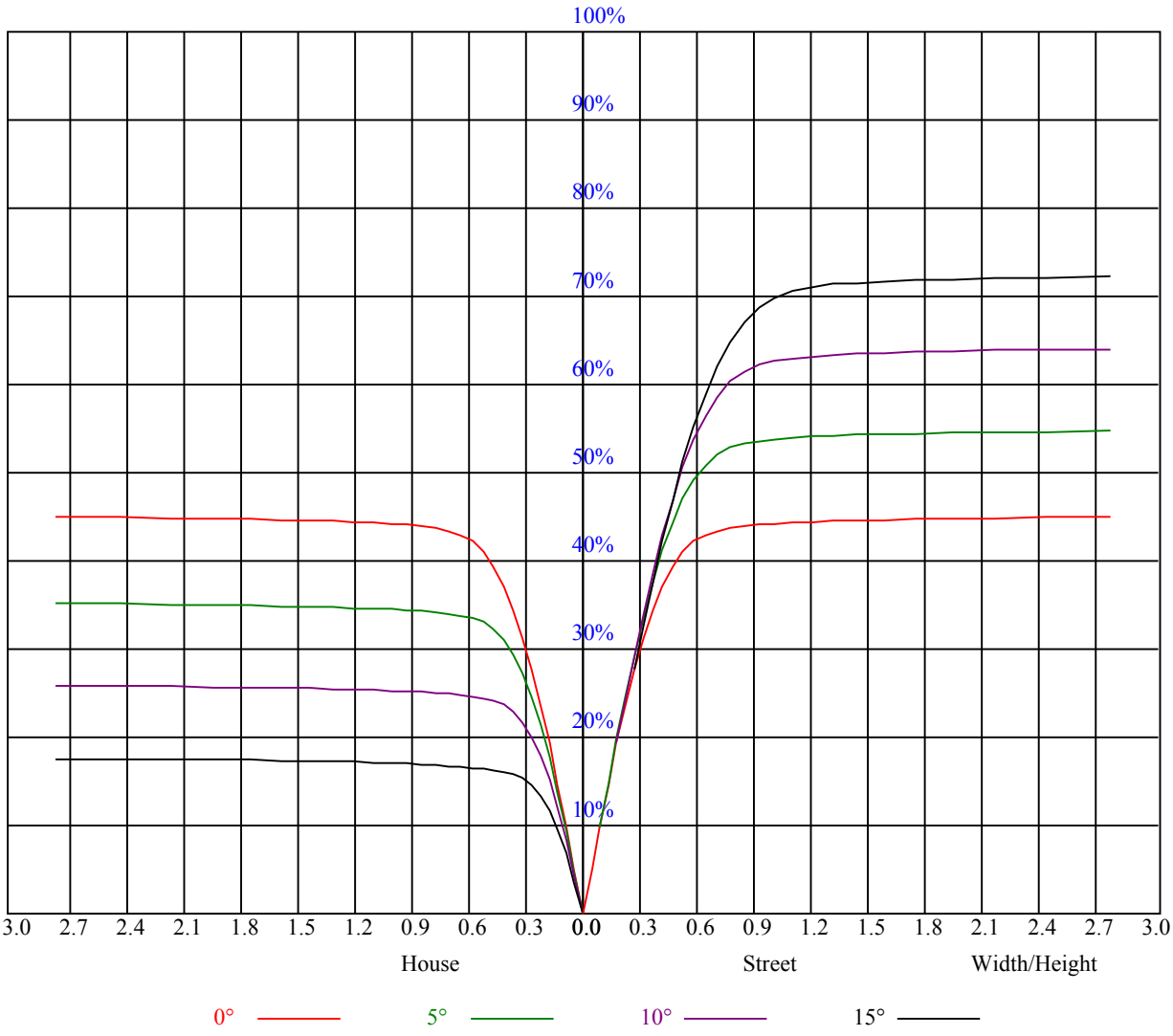


Equipment: GMS1980 Date: 2023/11/09 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.08	1.08	1.08	1.05	1.05	1.05	1.01	1.01	1.01	0.96	0.96	0.96	0.92	0.92	0.92	0.91
1	1.01	0.98	0.96	0.99	0.97	0.95	0.95	0.93	0.92	0.92	0.90	0.89	0.88	0.88	0.87	0.85
2	0.94	0.91	0.88	0.93	0.89	0.87	0.90	0.87	0.85	0.87	0.85	0.83	0.85	0.83	0.81	0.80
3	0.89	0.84	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.75
4	0.83	0.79	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.79	0.76	0.73	0.77	0.74	0.72	0.71
5	0.79	0.74	0.70	0.78	0.74	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.68	0.67
6	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.70	0.67	0.65	0.64
7	0.71	0.66	0.63	0.70	0.66	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.61	0.60
8	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.57
9	0.64	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.62	0.58	0.56	0.55
10	0.62	0.57	0.54	0.61	0.57	0.53	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.56	0.53	0.52

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	2475.97	2468.77	2461.02	2453.83	2434.45	2416.74	2397.36	2363.60	2331.49
45.0	2477.07	2475.41	2472.65	2464.90	2453.83	2446.63	2427.26	2407.33	2382.42
90.0	2475.41	2475.97	2468.77	2461.02	2451.06	2438.88	2419.51	2391.83	2367.47
135.0	2471.54	2472.09	2472.65	2466.00	2463.24	2448.84	2437.22	2425.04	2405.11
180.0	2475.97	2478.18	2482.61	2472.09	2467.11	2464.34	2454.38	2438.88	2419.51
225.0	2477.07	2471.54	2458.81	2453.83	2434.45	2433.90	2415.08	2401.79	2376.33
270.0	2475.41	2476.52	2470.43	2460.47	2449.95	2434.45	2426.15	2407.88	2392.94
315.0	2471.54	2463.24	2457.15	2454.38	2436.67	2421.17	2404.01	2379.10	2359.17
360.0	2475.97	2468.77	2461.02	2453.83	2434.45	2416.74	2397.36	2363.60	2331.49

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2304.92	2265.07	2226.88	2182.04	2121.70	2068.01	2012.10	1947.34	1858.22
45.0	2348.65	2321.53	2290.53	2247.91	2208.06	2162.11	2107.87	2039.78	1978.34
90.0	2338.69	2308.25	2262.30	2219.68	2174.84	2109.53	2051.96	1977.23	1913.57
135.0	2381.87	2351.97	2319.87	2280.01	2232.41	2185.36	2135.54	2082.96	2006.01
180.0	2400.13	2373.01	2347.55	2319.87	2281.68	2244.59	2199.20	2155.47	2086.83
225.0	2340.90	2316.55	2277.25	2245.14	2203.07	2149.38	2103.44	2055.83	1996.05
270.0	2366.92	2340.35	2303.26	2267.84	2228.54	2182.04	2129.45	2081.30	2025.39
315.0	2333.71	2287.76	2257.32	2213.04	2168.20	2106.76	2050.85	1998.26	1945.68
360.0	2304.92	2265.07	2226.88	2182.04	2121.70	2068.01	2012.10	1947.34	1858.22

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1779.62	1700.46	1616.88	1506.72	1417.61	1242.13	1103.53	1103.53	988.89
45.0	1912.47	1841.61	1742.53	1660.05	1554.88	1465.76	1379.41	1260.96	1157.44
90.0	1840.51	1738.10	1652.86	1566.51	1478.49	1367.79	1093.40	1093.40	1065.00
135.0	1945.13	1870.40	1772.98	1691.05	1600.27	1516.14	1403.21	1311.88	1218.33
180.0	2028.16	1963.95	1894.75	1792.35	1703.78	1620.20	1508.94	1407.09	1320.18
225.0	1910.81	1830.54	1740.32	1653.97	1543.81	1451.37	1358.38	1086.54	1086.54
270.0	1950.11	1885.34	1795.67	1716.52	1631.27	1553.22	1443.07	1348.97	1260.40
315.0	1866.52	1790.69	1709.32	1608.02	1521.67	1409.30	1321.84	1077.73	1077.73
360.0	1779.62	1700.46	1616.88	1506.72	1417.61	1242.13	1103.53	1103.53	988.89

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	841.32	728.84	619.57	491.10	396.77	310.70	234.70	162.91	125.65
45.0	1041.75	920.53	772.18	658.71	551.32	451.13	338.21	298.36	298.36
90.0	908.57	789.56	673.43	567.98	446.09	356.53	258.11	194.90	148.51
135.0	1085.48	969.80	817.57	700.78	590.62	487.67	370.32	288.39	288.39
180.0	1195.08	1092.68	978.65	825.88	709.63	590.62	486.56	365.89	282.86
225.0	1029.80	918.48	772.51	656.66	518.66	419.36	331.35	254.79	178.79
270.0	1168.51	1027.36	909.46	785.47	637.67	529.73	431.20	321.60	282.30
315.0	994.87	878.30	760.56	644.54	512.13	415.71	329.13	252.47	177.30
360.0	841.32	728.84	619.57	491.10	396.77	310.70	234.70	162.91	125.65

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	103.68	88.79	73.95	64.87	56.02	50.54	45.61	40.41	36.87
45.0	135.39	110.38	94.32	78.88	69.36	59.62	53.47	48.16	43.51
90.0	112.76	96.09	83.42	73.62	63.71	56.79	51.09	46.00	40.80
135.0	204.97	118.46	99.14	85.08	74.45	64.38	57.51	50.59	45.61
180.0	282.86	197.94	112.20	92.77	80.10	68.08	60.50	52.48	47.11
225.0	133.90	105.01	88.01	73.62	64.99	57.68	50.21	45.06	40.63
270.0	282.30	127.09	103.29	88.34	74.45	66.15	58.90	52.81	46.28
315.0	135.39	108.94	89.12	77.00	67.70	58.18	52.25	45.78	41.52
360.0	103.68	88.79	73.95	64.87	56.02	50.54	45.61	40.41	36.87

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	33.82	30.56	28.62	27.01	25.46	23.86	22.69	21.75	20.87
45.0	38.69	35.37	32.49	30.11	27.73	26.18	24.74	23.53	22.14
90.0	37.25	34.26	31.16	29.23	27.46	25.57	24.24	23.08	21.81
135.0	41.40	37.03	34.04	31.61	29.50	27.34	25.91	24.52	23.08
180.0	42.46	38.53	34.32	31.50	29.23	27.40	25.46	24.08	22.81
225.0	35.98	32.94	30.33	27.79	26.24	24.80	23.19	22.03	21.03
270.0	41.90	38.25	35.15	31.83	29.78	28.01	26.07	24.69	23.14
315.0	37.92	34.93	32.22	29.61	27.84	26.35	24.96	23.36	22.31
360.0	33.82	30.56	28.62	27.01	25.46	23.86	22.69	21.75	20.87

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.76	18.99	18.16	17.55	16.94	16.16	15.78	15.33	14.95
45.0	21.20	20.04	19.26	18.60	17.77	17.16	16.61	16.11	15.50
90.0	20.87	19.98	19.21	18.32	17.71	17.05	16.50	15.89	15.39
135.0	22.09	21.09	20.26	19.26	18.54	17.88	17.10	16.55	15.89
180.0	21.75	20.54	19.71	18.76	18.10	17.49	16.83	16.33	15.83
225.0	20.15	19.15	18.49	17.82	17.27	16.55	16.11	15.55	15.06
270.0	22.09	21.03	20.15	19.15	18.43	17.77	17.21	16.55	16.00
315.0	21.03	20.15	19.37	18.43	17.77	17.16	16.50	16.00	15.50
360.0	19.76	18.99	18.16	17.55	16.94	16.16	15.78	15.33	14.95

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	14.39	14.00	13.62	13.23	12.79	12.45	12.12	11.73	11.40
45.0	15.06	14.61	14.23	13.73	13.40	13.01	12.57	12.23	11.90
90.0	14.83	14.39	13.95	13.45	13.06	12.73	12.29	11.96	11.62
135.0	15.44	14.95	14.50	14.00	13.62	13.28	12.90	12.45	12.12
180.0	15.28	14.83	14.45	14.06	13.56	13.28	12.90	12.62	12.18
225.0	14.67	14.17	13.78	13.45	13.12	12.68	12.40	12.01	11.73
270.0	15.55	15.06	14.50	14.06	13.56	13.23	12.84	12.45	12.07
315.0	15.06	14.50	14.06	13.67	13.28	12.84	12.45	12.18	11.79
360.0	14.39	14.00	13.62	13.23	12.79	12.45	12.12	11.73	11.40

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.07	10.68	10.41	10.13	9.74	9.52	9.19	8.91	8.58
45.0	11.51	11.18	10.90	10.57	10.24	9.96	9.69	9.35	9.08
90.0	11.29	10.96	10.68	10.35	10.02	9.74	9.47	9.13	8.80
135.0	11.79	11.46	11.07	10.79	10.35	10.07	9.80	9.47	9.19
180.0	11.90	11.57	11.18	10.90	10.52	10.24	9.96	9.74	9.35
225.0	11.35	11.13	10.79	10.46	10.13	9.91	9.58	9.24	9.02
270.0	11.79	11.51	11.13	10.79	10.52	10.19	9.85	9.63	9.30
315.0	11.46	11.07	10.74	10.41	10.13	9.80	9.52	9.24	8.91
360.0	11.07	10.68	10.41	10.13	9.74	9.52	9.19	8.91	8.58

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.41	8.14	7.92	7.75	7.53	7.36	7.25	6.92	6.97
45.0	8.75	8.47	8.19	7.97	7.75	7.53	7.42	7.31	6.92
90.0	8.58	8.30	8.03	7.86	7.58	7.47	7.31	7.14	6.92
135.0	8.91	8.64	8.36	8.08	7.86	7.64	7.42	7.31	7.09
180.0	9.08	8.80	8.58	8.30	8.03	7.80	7.64	7.47	7.25
225.0	8.69	8.47	8.19	7.97	7.80	7.53	7.42	7.25	6.97
270.0	8.97	8.69	8.47	8.25	7.97	7.75	7.53	7.36	7.20
315.0	8.64	8.41	8.25	7.97	7.80	7.58	7.36	7.25	6.92
360.0	8.41	8.14	7.92	7.75	7.53	7.36	7.25	6.92	6.97

Intensity data(cd)

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