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Nata

LumCAT: LN01D05036DA-N
Luminaire: 97.70.234.00

Report No: 200415-B018	Voltage(V): 36.4100
Test No: 200415-C018	Current(A): 0.2740
LampCAT: LUMINUS CXM-6-AC40	Power (W): 9.9760
Lamp flux(lm): 1177.5	PF: 0.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1034.83
Efficiency(%): 87.89%
Lumens(lm)/Power(W): 103.73
Central intensity(cd): 2248.453
Maximum intensity(cd): 2248.453
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=37.9
[C90/270]Total=37.9
Field angle(10%Imax): [C0/180]Total=61.3
[C90/270]Total=61.3
Maximum s/h(1/2): C0_180=0.62 C90_270=0.62
Maximum s/h(1/4): C0_180=0.60 C90_270=0.60
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 87.89%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 96.627%

Equipment: GMS1980	Date: 2020/4/15	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 65.0%	Distance(m): 7.50

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	2248.453	0.000	0	.000%	.000%
1.0	2246.555	2.151	2.151	.183%	.208%
2.0	2241.563	6.442	8.593	.547%	.830%
3.0	2231.789	10.699	19.291	.909%	1.864%
4.0	2217.445	14.893	34.184	1.265%	3.303%
5.0	2196.773	18.990	53.174	1.613%	5.138%
6.0	2168.789	22.942	76.116	1.948%	7.355%
7.0	2130.961	26.688	102.805	2.267%	9.934%
8.0	2088.914	30.201	133.006	2.565%	12.853%
9.0	2032.242	33.400	166.405	2.837%	16.080%
10.0	1964.672	36.171	202.576	3.072%	19.576%
11.0	1896.961	38.586	241.162	3.277%	23.304%
12.0	1820.883	40.641	281.803	3.452%	27.232%
13.0	1725.750	42.090	323.893	3.575%	31.299%
14.0	1636.734	43.040	366.932	3.655%	35.458%
15.0	1543.711	43.663	410.595	3.708%	39.677%
16.0	1435.711	43.657	454.251	3.708%	43.896%
17.0	1336.992	43.178	497.43	3.667%	48.069%
18.0	1194.884	41.745	539.175	3.545%	52.103%
19.0	1118.855	40.254	579.429	3.419%	55.992%
20.0	1013.259	39.024	618.453	3.314%	59.763%
21.0	906.638	36.866	655.319	3.131%	63.326%
22.0	800.234	34.300	689.619	2.913%	66.641%
23.0	706.549	31.616	721.236	2.685%	69.696%
24.0	615.797	28.911	750.147	2.455%	72.490%
25.0	530.058	26.054	776.201	2.213%	75.007%
26.0	460.392	23.380	799.581	1.986%	77.267%
27.0	395.754	20.946	820.527	1.779%	79.291%
28.0	335.728	18.520	839.046	1.573%	81.080%
29.0	287.888	16.316	855.362	1.386%	82.657%
30.0	260.775	14.814	870.175	1.258%	84.088%
31.0	207.436	13.030	883.205	1.107%	85.347%
32.0	177.736	11.035	894.24	.937%	86.414%
33.0	154.315	9.782	904.022	.831%	87.359%
34.0	132.237	8.672	912.694	.736%	88.197%
35.0	115.833	7.704	920.398	.654%	88.942%
36.0	102.122	6.940	927.338	.589%	89.612%
37.0	90.345	6.277	933.615	.533%	90.219%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	80.620	5.707	939.322	.485%	90.770%
39.0	72.338	5.221	944.542	.443%	91.275%
40.0	65.116	4.794	949.336	.407%	91.738%
41.0	59.266	4.429	953.766	.376%	92.166%
42.0	54.000	4.115	957.881	.349%	92.564%
43.0	48.923	3.813	961.693	.324%	92.932%
44.0	44.979	3.544	965.237	.301%	93.275%
45.0	41.288	3.315	968.553	.282%	93.595%
46.0	37.716	3.090	971.642	.262%	93.894%
47.0	34.650	2.878	974.521	.244%	94.172%
48.0	32.168	2.701	977.222	.229%	94.433%
49.0	29.510	2.533	979.755	.215%	94.677%
50.0	27.232	2.366	982.12	.201%	94.906%
51.0	25.432	2.228	984.348	.189%	95.121%
52.0	23.604	2.104	986.453	.179%	95.325%
53.0	22.015	1.984	988.437	.169%	95.516%
54.0	20.658	1.881	990.318	.160%	95.698%
55.0	19.364	1.787	992.104	.152%	95.871%
56.0	18.253	1.700	993.804	.144%	96.035%
57.0	17.304	1.626	995.43	.138%	96.192%
58.0	16.390	1.558	996.988	.132%	96.343%
59.0	15.652	1.498	998.486	.127%	96.488%
60.0	14.955	1.446	999.932	.123%	96.627%
61.0	14.252	1.394	1001.326	.118%	96.762%
62.0	13.711	1.347	1002.673	.114%	96.892%
63.0	13.226	1.310	1003.983	.111%	97.019%
64.0	12.720	1.273	1005.257	.108%	97.142%
65.0	12.291	1.238	1006.494	.105%	97.261%
66.0	11.918	1.208	1007.702	.103%	97.378%
67.0	11.545	1.180	1008.882	.100%	97.492%
68.0	11.187	1.152	1010.033	.098%	97.603%
69.0	10.856	1.125	1011.158	.096%	97.712%
70.0	10.540	1.099	1012.257	.093%	97.818%
71.0	10.371	1.081	1013.338	.092%	97.923%
72.0	10.842	1.103	1014.441	.094%	98.029%
73.0	11.805	1.184	1015.625	.101%	98.144%
74.0	12.994	1.304	1016.929	.111%	98.270%
75.0	14.112	1.432	1018.361	.122%	98.408%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	15.159	1.554	1019.915	.132%	98.558%
77.0	15.919	1.657	1021.572	.141%	98.718%
78.0	16.298	1.725	1023.296	.146%	98.885%
79.0	15.687	1.719	1025.015	.146%	99.051%
80.0	14.266	1.615	1026.63	.137%	99.207%
81.0	12.762	1.462	1028.091	.124%	99.348%
82.0	11.145	1.296	1029.388	.110%	99.474%
83.0	8.909	1.090	1030.478	.093%	99.579%
84.0	6.940	0.863	1031.341	.073%	99.662%
85.0	5.977	0.705	1032.046	.060%	99.731%
86.0	5.604	0.633	1032.679	.054%	99.792%
87.0	5.196	0.591	1033.27	.050%	99.849%
88.0	4.845	0.550	1033.82	.047%	99.902%
89.0	4.577	0.516	1034.337	.044%	99.952%
90.0	4.500	0.498	1034.834	.042%	100.000%

Zonal flux distribution table

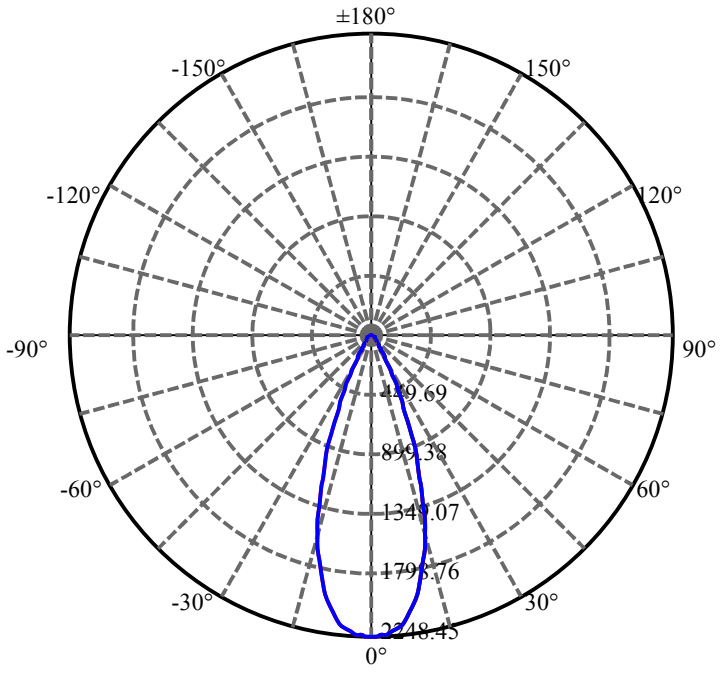
ZONAL LUMEN SUMMARY

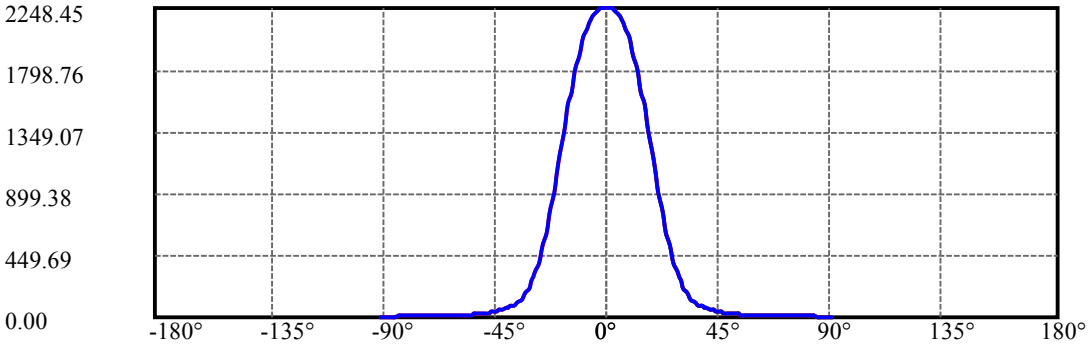
Zone	Lumens	%Lamp	%Fixt
0-30	870.18	73.90%	84.09%
0-40	949.34	80.63%	91.74%
0-60	999.93	84.92%	96.63%
0-90	1034.34	87.85%	99.95%
0-120	1034.34	87.85%	99.95%
0-180	1034.83	87.89%	100.00%
60-90	35.85	3.04%	3.46%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.40	827.87	70.31%	80.00%

ZONAL LUMEN SUMMARY

0-10	202.58
10-20	415.88
20-30	251.72
30-40	79.16
40-50	32.78
50-60	17.81
60-70	12.32
70-80	14.37
80-90	7.71
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):

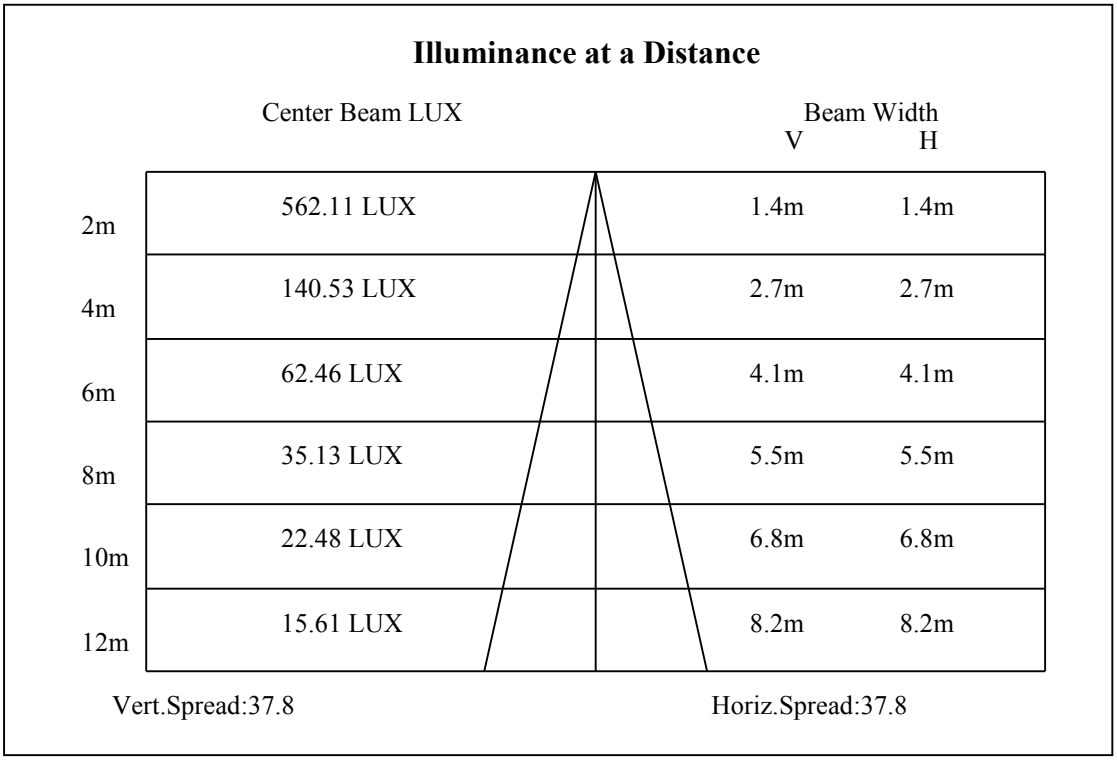
C0/C180:

C90/C270:

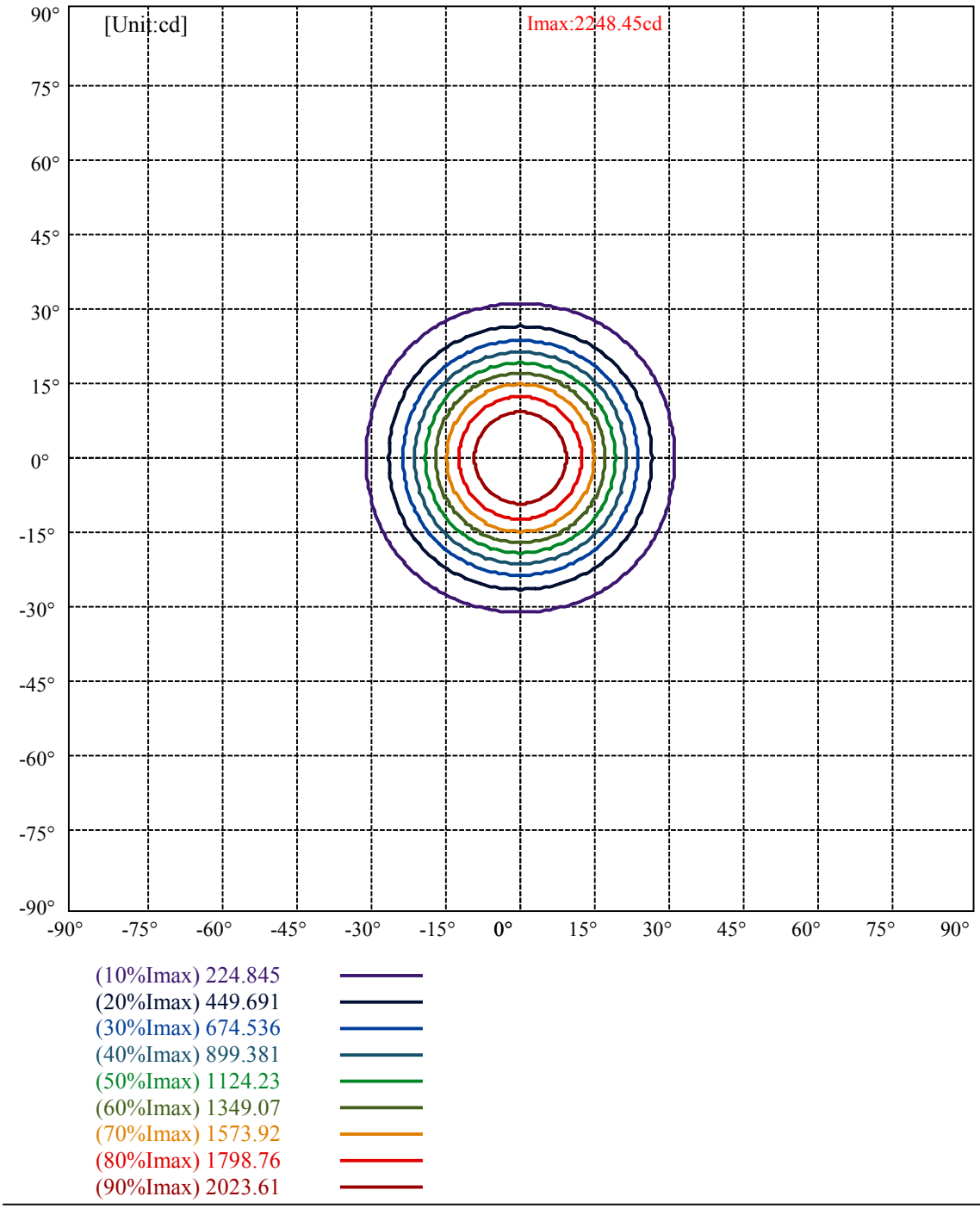
Field angle(10%Imax):C0/180Left:30.7 Right:30.7
:C90/270Left:30.7 Right:30.7

Beam Angle(50%Imax):C0/180Left:18.9 Right:18.9
:C90/270Left:18.9 Right:18.9

Lux distance Curve



ISO-Intensity(V-H)

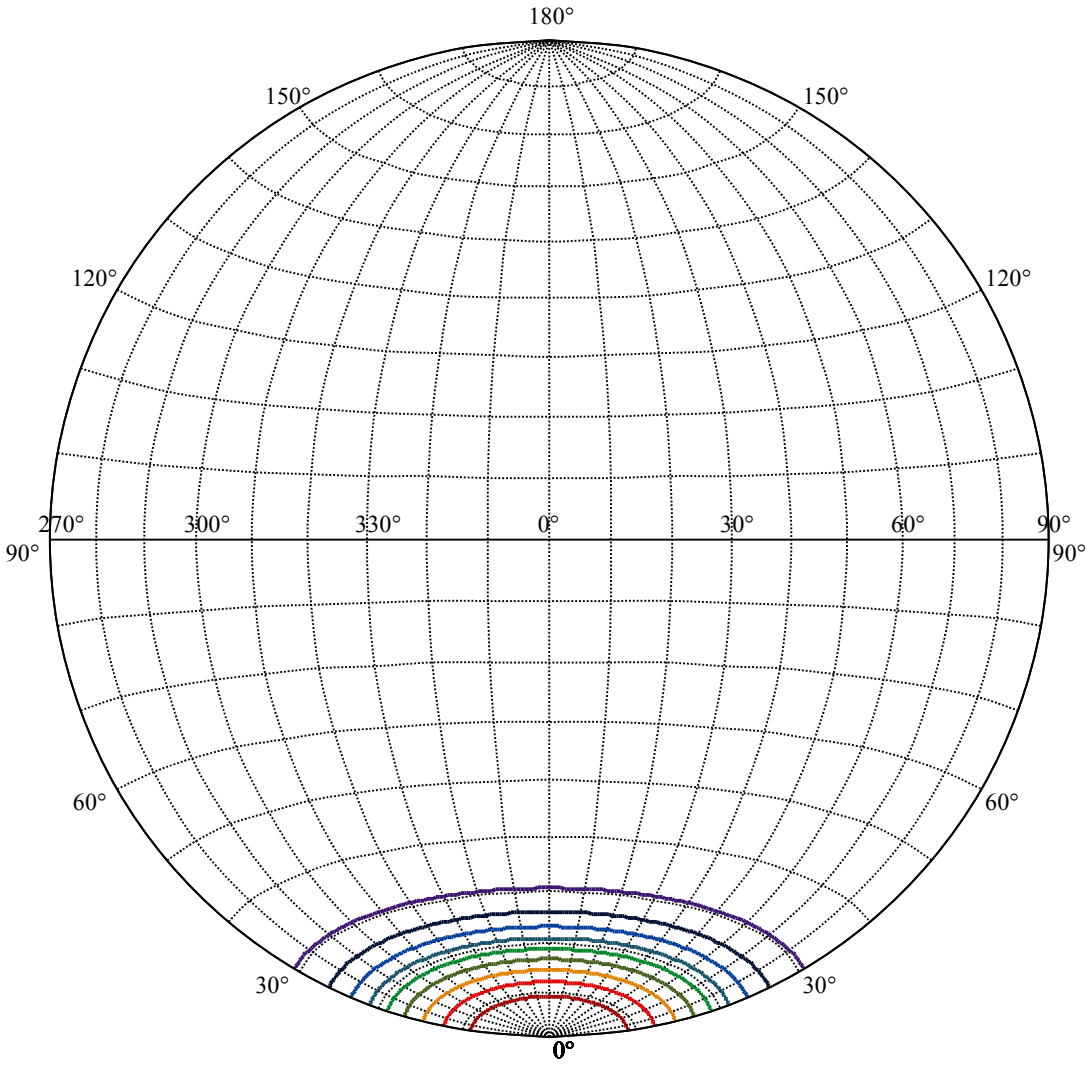


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/4/15
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:2248.45

(10%Imax) 224.845
(20%Imax) 449.691
(30%Imax) 674.536
(40%Imax) 899.381
(50%Imax) 1124.23
(60%Imax) 1349.07
(70%Imax) 1573.92
(80%Imax) 1798.76
(90%Imax) 2023.61

Equipment: GMS1980 Date: 2020/4/15 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

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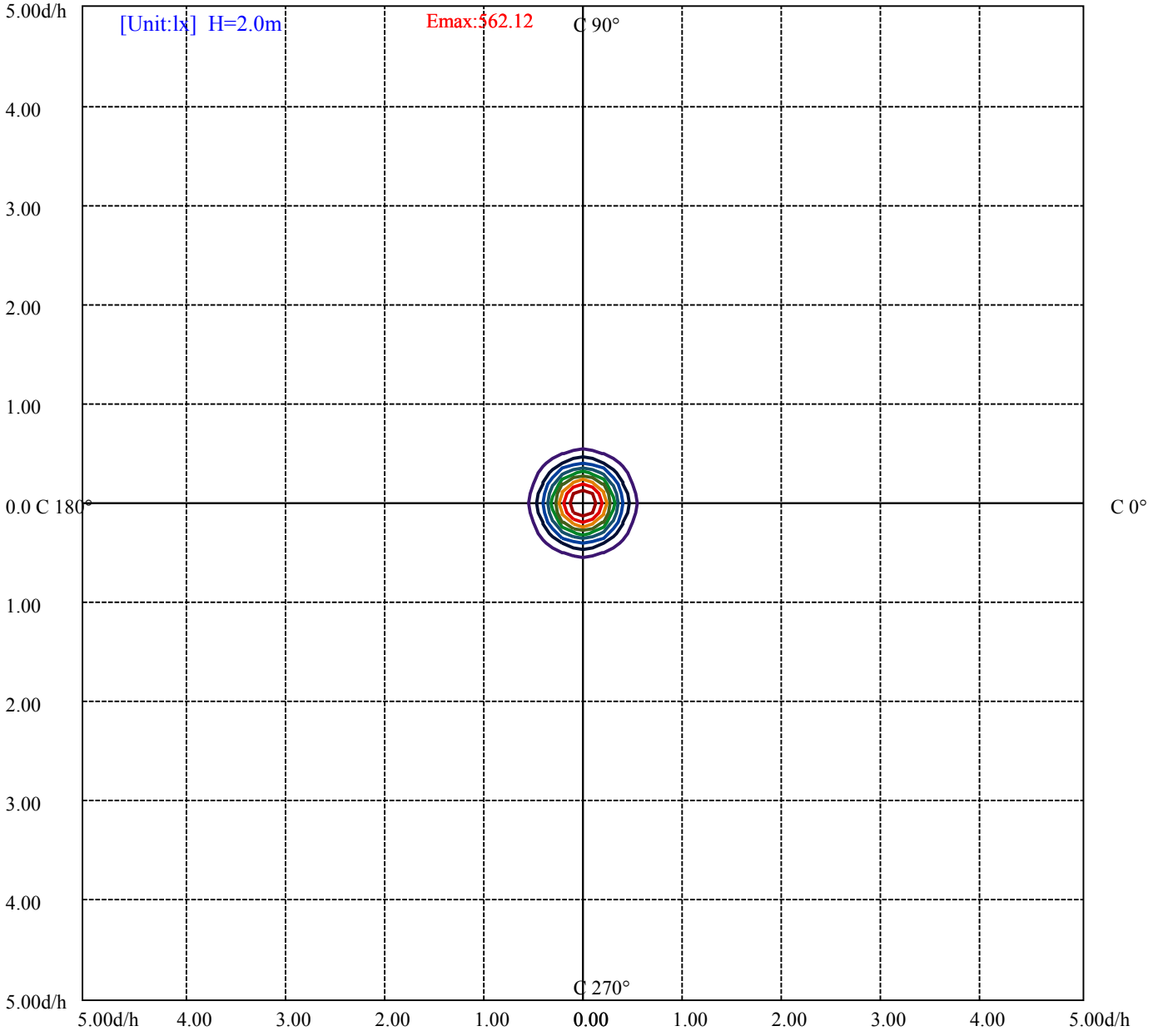
ISO illuminance diagram

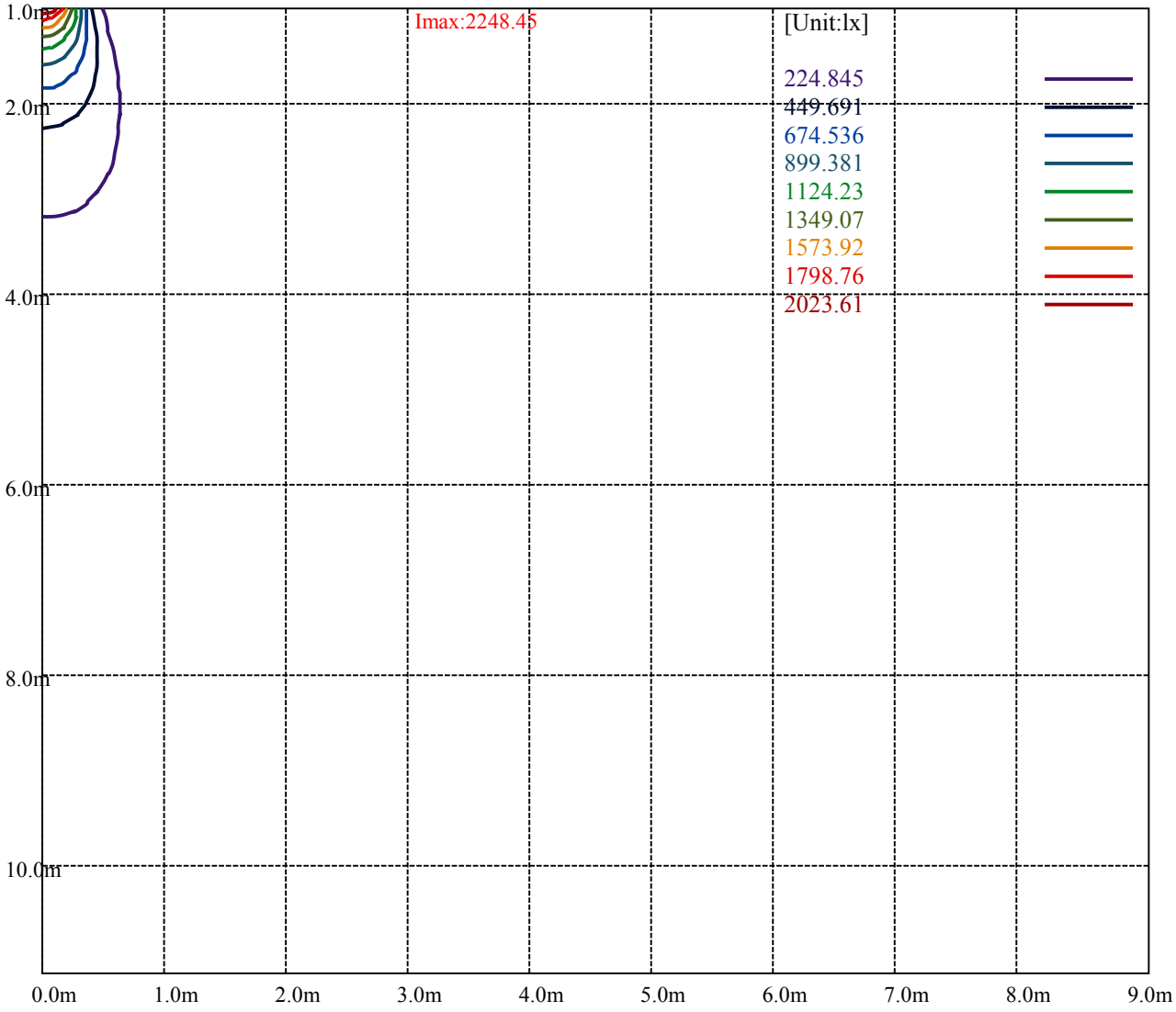


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/4/15
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/4/15
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Nata LM01D05036DA

Luminance Limitting Curve(no luminous side)

Luminance Table

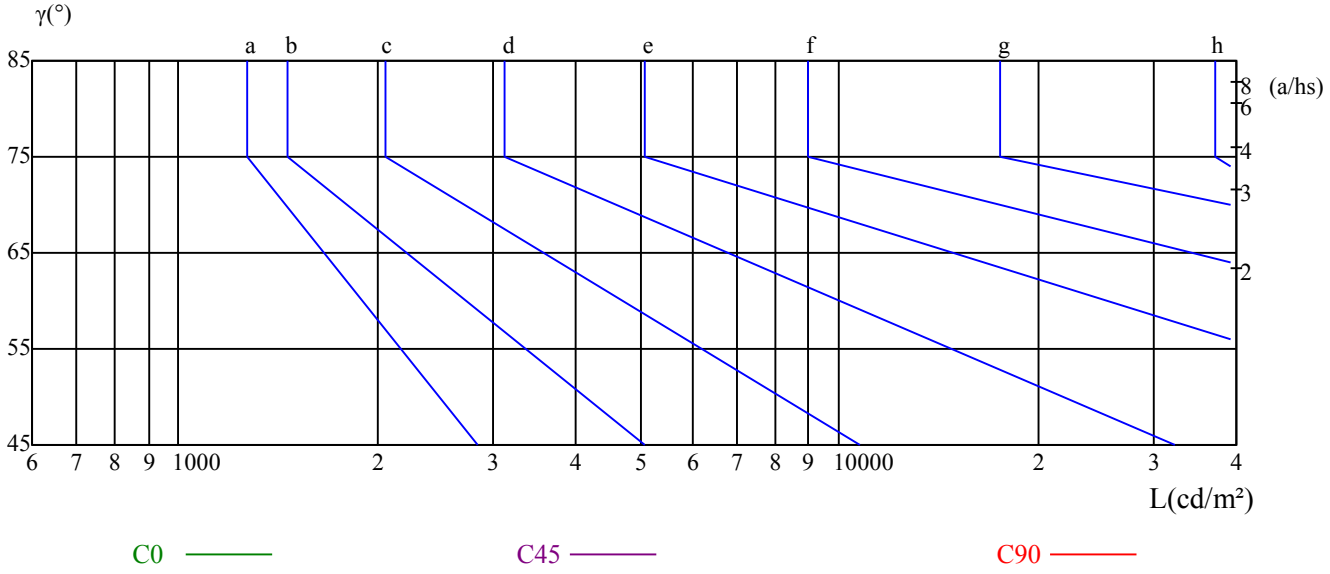
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

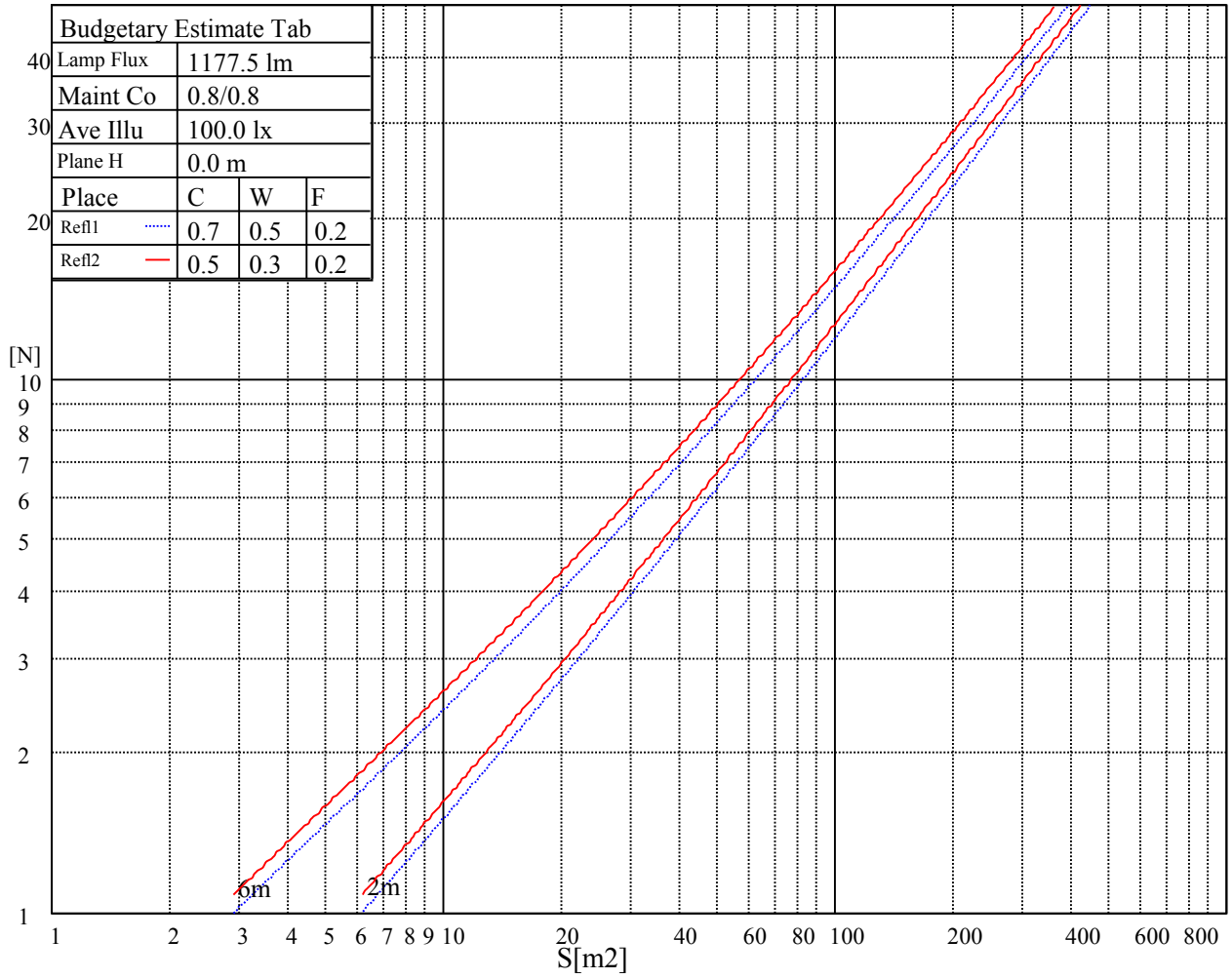
Luminance Limitting Curve



UGR Glare

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	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	3H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	4H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	6H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	8H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	12H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
4H	2H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	3H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	4H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	6H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	8H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	12H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
8H	4H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	6H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	8H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	12H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
12H	4H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	6H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
	8H	正无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷	无穷大
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				

Budgetary Estimate Table

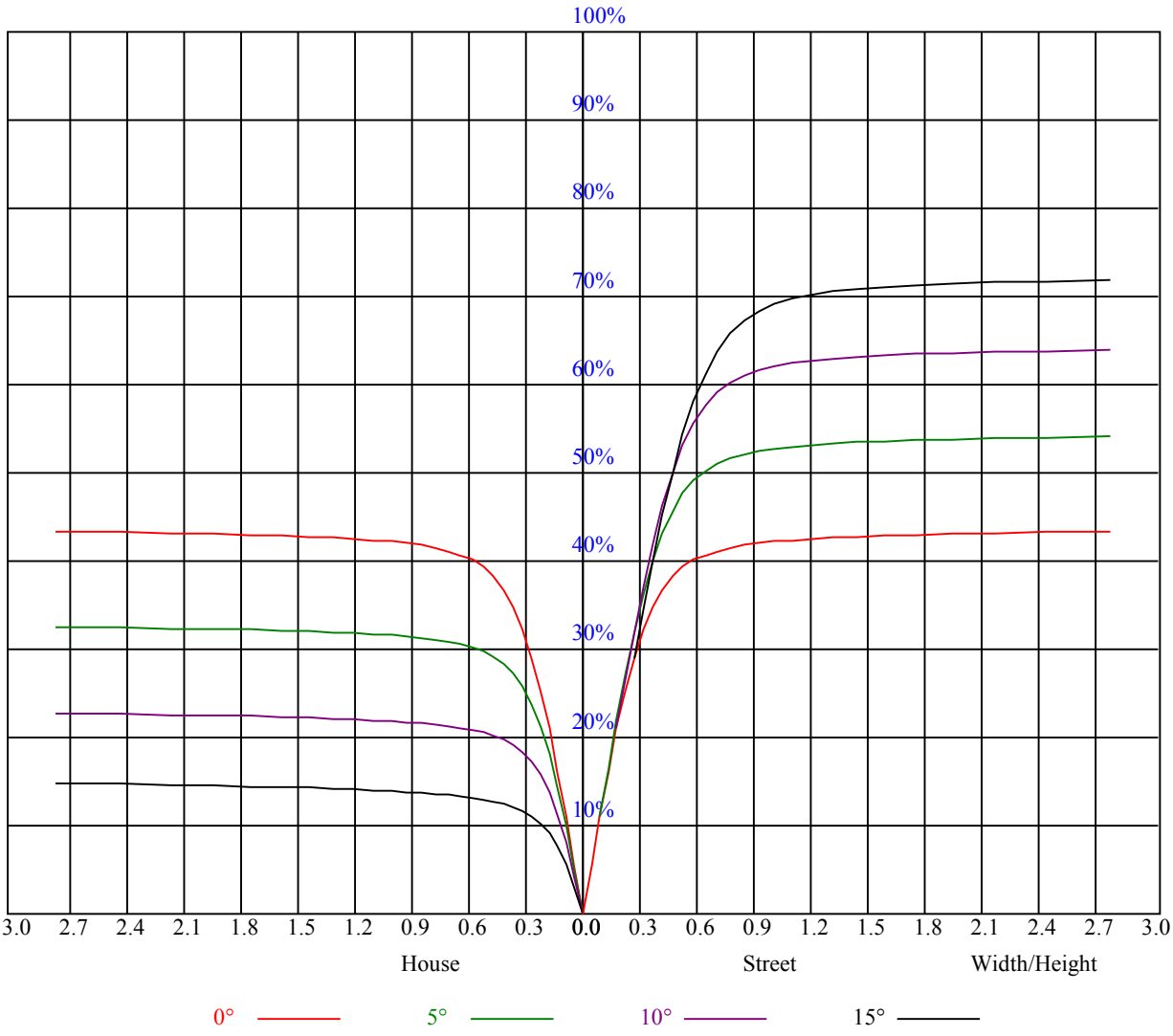


Equipment: GMS1980 Date: 2020/4/15 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

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	1.05	1.05	1.05	1.02	1.02	1.02	0.98	0.98	0.98	0.93	0.93	0.93	0.90	0.90	0.90	0.88
1	0.97	0.95	0.93	0.96	0.94	0.92	0.92	0.90	0.89	0.89	0.87	0.86	0.86	0.85	0.84	0.82
2	0.91	0.88	0.85	0.90	0.87	0.84	0.87	0.84	0.82	0.84	0.82	0.81	0.82	0.80	0.79	0.77
3	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.79	0.77	0.80	0.78	0.76	0.79	0.76	0.75	0.73
4	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.72	0.75	0.73	0.71	0.69
5	0.77	0.73	0.69	0.77	0.72	0.69	0.75	0.71	0.68	0.74	0.70	0.68	0.72	0.70	0.67	0.66
6	0.74	0.69	0.66	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.69	0.66	0.64	0.63
7	0.70	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.60
8	0.67	0.63	0.60	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.58
9	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.55
10	0.62	0.57	0.55	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.53

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2020/4/15	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 65.0%	Distance(m): 7.50

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	2249.44	2240.44	2226.94	2208.38	2188.69	2158.31	2121.75	2082.38	2037.38
45.0	2248.88	2242.13	2231.44	2217.38	2197.69	2172.38	2144.81	2105.44	2064.38
90.0	2246.06	2246.63	2244.94	2239.88	2230.31	2217.94	2199.38	2165.06	2127.38
135.0	2249.44	2256.75	2261.81	2262.94	2260.13	2251.69	2232.56	2208.38	2175.75
180.0	2249.44	2255.06	2255.63	2250.56	2237.63	2219.06	2192.63	2145.94	2098.69
225.0	2248.88	2251.13	2248.88	2239.88	2226.38	2205.00	2174.63	2134.13	2088.00
270.0	2246.06	2242.13	2236.50	2226.38	2212.31	2189.81	2161.13	2127.94	2089.13
315.0	2249.44	2238.19	2226.38	2208.94	2186.44	2160.00	2123.44	2078.44	2030.63
360.0	2249.44	2240.44	2226.94	2208.38	2188.69	2158.31	2121.75	2082.38	2037.38

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1972.69	1913.63	1849.50	1771.31	1688.06	1608.75	1515.94	1417.50	1328.06
45.0	2010.38	1945.69	1880.44	1810.69	1717.31	1637.44	1564.88	1446.19	1356.19
90.0	2080.13	2007.00	1938.38	1861.88	1766.25	1662.75	1563.75	1450.69	1346.06
135.0	2121.75	2065.50	1998.56	1913.06	1818.00	1725.75	1617.75	1518.19	1401.75
180.0	2043.00	1962.56	1890.56	1813.50	1710.00	1621.13	1528.88	1409.06	1322.44
225.0	2026.69	1955.81	1884.94	1809.00	1717.88	1620.00	1518.19	1423.13	1323.00
270.0	2028.38	1971.56	1908.00	1838.25	1740.94	1657.13	1568.25	1452.38	1356.75
315.0	1974.94	1895.63	1825.31	1749.38	1647.56	1560.94	1472.06	1368.56	1261.69
360.0	1972.69	1913.63	1849.50	1771.31	1688.06	1608.75	1515.94	1417.50	1328.06

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1225.69	1135.13	1031.63	927.00	834.19	732.94	637.31	559.69	488.25
45.0	1269.56	1153.69	1042.31	955.69	834.75	730.69	655.88	555.75	484.88
90.0	1192.50	1101.15	997.14	883.01	773.78	683.16	599.74	505.97	439.65
135.0	1274.63	1170.00	1048.50	928.13	829.13	734.06	626.06	548.44	475.88
180.0	1113.02	1087.37	985.50	872.61	763.99	674.49	592.43	509.12	435.09
225.0	1119.21	1094.06	993.99	881.94	772.76	681.53	597.09	502.54	436.44
270.0	1247.06	1150.31	1040.63	942.19	833.06	741.38	633.38	555.19	483.19
315.0	1117.41	1059.13	966.38	862.54	760.22	674.16	584.49	503.78	439.76
360.0	1225.69	1135.13	1031.63	927.00	834.19	732.94	637.31	559.69	488.25

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	408.94	354.38	306.56	285.19	219.43	190.13	162.34	139.39	122.40
45.0	421.88	354.38	307.13	285.19	216.17	187.43	163.29	136.80	120.21
90.0	381.38	318.49	275.23	237.71	199.18	173.93	153.06	131.51	119.03
135.0	406.69	346.50	298.69	287.44	210.38	181.91	158.46	135.96	118.18
180.0	377.27	326.08	270.23	231.98	199.63	166.39	144.73	126.73	110.08
225.0	377.89	320.06	270.96	233.55	198.11	168.64	146.64	126.00	110.93
270.0	410.06	347.63	299.25	288.00	211.95	182.87	158.18	132.86	116.44
315.0	381.94	318.32	275.06	237.15	204.64	170.61	147.83	128.64	109.41
360.0	408.94	354.38	306.56	285.19	219.43	190.13	162.34	139.39	122.40

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	106.54	94.67	83.36	74.14	67.16	61.20	54.84	50.29	46.24
45.0	106.59	93.77	82.80	74.70	66.99	60.92	55.13	50.06	46.07
90.0	105.69	93.32	85.89	78.47	69.58	64.52	59.34	53.10	49.56
135.0	105.30	93.26	84.04	75.21	67.78	61.88	56.14	51.08	47.03
180.0	96.47	86.23	76.61	68.51	62.27	56.19	51.41	46.63	42.47
225.0	96.86	85.44	76.78	68.51	61.71	56.42	51.69	46.46	42.75
270.0	102.71	89.72	79.03	71.04	63.51	57.09	52.26	47.31	43.43
315.0	96.81	86.34	76.44	68.12	61.93	55.91	51.19	46.46	42.30
360.0	106.54	94.67	83.36	74.14	67.16	61.20	54.84	50.29	46.24

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	41.68	38.42	35.44	32.74	29.70	27.56	25.65	23.74	22.05
45.0	42.13	38.59	35.72	33.13	30.32	28.24	26.38	24.47	22.78
90.0	45.79	41.91	38.42	35.66	32.79	30.26	28.24	26.16	24.47
135.0	43.82	39.26	36.39	34.09	31.11	28.69	26.94	24.75	23.06
180.0	39.09	36.11	32.68	30.38	28.24	25.82	24.08	22.50	20.98
225.0	39.38	35.94	32.91	30.54	28.07	25.93	24.19	22.50	21.15
270.0	39.49	36.00	33.19	30.66	27.90	25.82	24.13	22.39	20.76
315.0	38.93	35.49	32.46	30.15	27.96	25.54	23.85	22.33	20.87
360.0	41.68	38.42	35.44	32.74	29.70	27.56	25.65	23.74	22.05

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	20.70	19.41	18.17	17.16	16.31	15.58	14.79	14.12	13.61
45.0	21.49	20.08	18.90	17.94	17.04	16.26	15.53	14.79	14.23
90.0	22.84	21.38	20.19	19.13	18.00	17.16	16.48	15.58	14.96
135.0	21.83	20.25	19.13	18.17	17.10	16.31	15.58	14.85	14.23
180.0	19.58	18.51	17.38	16.59	15.75	15.02	14.40	13.73	13.16
225.0	19.74	18.51	17.55	16.65	15.69	15.02	14.34	13.67	13.16
270.0	19.58	18.39	17.33	16.43	15.58	14.96	14.23	13.61	13.16
315.0	19.52	18.39	17.38	16.37	15.64	14.91	14.29	13.67	13.16
360.0	20.70	19.41	18.17	17.16	16.31	15.58	14.79	14.12	13.61

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	13.11	12.60	12.21	11.87	11.42	11.08	10.80	10.46	10.18
45.0	13.78	13.11	12.71	12.26	11.87	11.53	11.14	10.80	10.41
90.0	14.40	13.84	13.28	12.88	12.49	12.09	11.70	11.42	11.36
135.0	13.73	13.11	12.66	12.21	11.81	11.42	11.03	10.63	10.29
180.0	12.71	12.32	11.87	11.53	11.19	10.86	10.52	10.18	9.90
225.0	12.66	12.26	11.81	11.48	11.08	10.74	10.35	10.07	9.73
270.0	12.71	12.26	11.93	11.59	11.25	10.97	10.80	10.58	11.19
315.0	12.71	12.26	11.87	11.53	11.25	10.80	10.52	10.18	9.90
360.0	13.11	12.60	12.21	11.87	11.42	11.08	10.80	10.46	10.18

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.84	9.51	9.17	8.89	8.49	8.21	7.88	7.59	7.31
45.0	10.07	9.79	9.39	9.00	8.72	8.33	7.99	7.71	7.43
90.0	13.89	18.11	24.02	29.25	34.43	38.42	40.61	39.04	33.75
135.0	9.96	9.62	9.28	8.94	8.55	8.33	7.93	7.59	7.31
180.0	9.56	9.23	8.89	8.61	8.27	7.93	7.65	7.37	7.09
225.0	9.39	9.06	8.78	8.49	8.10	7.82	7.54	7.26	6.98
270.0	14.46	19.86	25.48	31.16	36.45	40.33	43.09	41.46	37.01
315.0	9.56	9.28	8.94	8.55	8.27	7.99	7.71	7.48	7.26
360.0	9.84	9.51	9.17	8.89	8.49	8.21	7.88	7.59	7.31

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.09	6.75	6.47	6.19	5.91	5.68	5.34	5.01	4.73
45.0	7.09	6.75	6.47	6.19	5.91	5.63	5.29	5.01	4.73
90.0	29.19	24.36	15.86	8.94	6.53	5.68	5.06	4.78	4.50
135.0	7.09	6.81	6.58	6.30	5.96	5.57	5.06	4.78	4.50
180.0	6.81	6.58	6.24	5.96	5.68	5.40	5.06	4.73	4.56
225.0	6.75	6.41	6.19	5.85	5.63	5.40	5.06	4.78	4.61
270.0	31.22	24.98	17.16	10.13	6.58	6.08	5.68	4.95	4.56
315.0	6.86	6.53	6.30	5.96	5.63	5.40	5.01	4.73	4.44
360.0	7.09	6.75	6.47	6.19	5.91	5.68	5.34	5.01	4.73

Intensity data(cd)

C/γ(°)	90.0
0.0	4.56
45.0	4.56
90.0	4.44
135.0	4.44
180.0	4.50
225.0	4.61
270.0	4.44
315.0	4.44
360.0	4.56