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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

Client:
LumCAT: 1-1380-L
Luminaire: 92.70.427.00
Report No: 20231121-B009
Ballast type: AC

Test No: 20231121-C009	Voltage(V): 34.690
LampCAT: CITIZEN CLU028	Current(A): 0.282
Lamp flux(lm): 1238.1	Power (W): 9.782
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1154.83, Efficiency(%): 93.28% , Luminous Efficacy(lm/W): 118.06
Central intensity(cd): 1669.465, Maximum intensity(cd): 1669.465
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=52.0
[C90/270]Total=52.0
Field angle(10%Imax): [C0/180]Total=71.2
[C90/270]Total=71.2
Beam angle of C0 plane : 51.93
Aveage BeamAngle(IEC 61341):51.93
Maximum s/h(1/2): C0_180=0.85 C90_270=0.85
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(%): 93.28%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.019%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1669.465	0.000	0	0.00%	0.00%
1.0	1663.306	1.595	1.595	0.13%	0.14%
2.0	1653.481	4.761	6.355	0.38%	0.55%
3.0	1649.745	7.900	14.255	0.64%	1.23%
4.0	1650.160	11.046	25.301	0.89%	2.19%
5.0	1644.209	14.172	39.474	1.14%	3.42%
6.0	1635.422	17.235	56.709	1.39%	4.91%
7.0	1623.452	20.228	76.937	1.63%	6.66%
8.0	1610.236	23.143	100.08	1.87%	8.67%
9.0	1593.699	25.966	126.046	2.10%	10.91%
10.0	1574.118	28.668	154.713	2.32%	13.40%
11.0	1554.537	31.262	185.975	2.53%	16.10%
12.0	1535.094	33.774	219.749	2.73%	19.03%
13.0	1513.298	36.177	255.926	2.92%	22.16%
14.0	1492.748	38.477	294.403	3.11%	25.49%
15.0	1467.908	40.645	335.048	3.28%	29.01%
16.0	1438.917	42.593	377.641	3.44%	32.70%
17.0	1407.158	44.321	421.962	3.58%	36.54%
18.0	1374.015	45.855	467.818	3.70%	40.51%
19.0	1330.285	47.049	514.867	3.80%	44.58%
20.0	1267.445	47.546	562.413	3.84%	48.70%
21.0	1178.610	46.969	609.382	3.79%	52.77%
22.0	1144.069	46.675	656.057	3.77%	56.81%
23.0	1082.765	46.725	702.782	3.77%	60.86%
24.0	1000.696	45.552	748.334	3.68%	64.80%
25.0	923.222	43.746	792.08	3.53%	68.59%
26.0	831.515	41.421	833.5	3.35%	72.18%
27.0	738.957	38.422	871.922	3.10%	75.50%
28.0	644.655	35.030	906.953	2.83%	78.54%
29.0	555.107	31.389	938.342	2.54%	81.25%
30.0	472.291	27.740	966.081	2.24%	83.66%
31.0	397.079	24.193	990.275	1.95%	85.75%
32.0	326.835	20.739	1011.014	1.68%	87.55%
33.0	274.519	17.716	1028.73	1.43%	89.08%
34.0	239.785	15.564	1044.294	1.26%	90.43%
35.0	199.086	13.630	1057.924	1.10%	91.61%
36.0	143.317	10.902	1068.826	0.88%	92.55%
37.0	116.796	8.483	1077.31	0.69%	93.29%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	93.430	7.017	1084.327	0.57%	93.90%
39.0	76.312	5.794	1090.12	0.47%	94.40%
40.0	62.633	4.846	1094.966	0.39%	94.82%
41.0	51.846	4.077	1099.043	0.33%	95.17%
42.0	44.401	3.497	1102.54	0.28%	95.47%
43.0	37.813	3.045	1105.585	0.25%	95.74%
44.0	32.873	2.668	1108.253	0.22%	95.97%
45.0	28.888	2.374	1110.627	0.19%	96.17%
46.0	25.774	2.138	1112.764	0.17%	96.36%
47.0	23.262	1.950	1114.715	0.16%	96.53%
48.0	21.187	1.797	1116.511	0.15%	96.68%
49.0	19.415	1.667	1118.179	0.13%	96.83%
50.0	17.997	1.560	1119.739	0.13%	96.96%
51.0	16.765	1.471	1121.209	0.12%	97.09%
52.0	15.693	1.393	1122.602	0.11%	97.21%
53.0	14.828	1.328	1123.93	0.11%	97.32%
54.0	13.977	1.270	1125.199	0.10%	97.43%
55.0	13.313	1.218	1126.417	0.10%	97.54%
56.0	12.690	1.175	1127.592	0.09%	97.64%
57.0	12.150	1.136	1128.728	0.09%	97.74%
58.0	11.680	1.102	1129.83	0.09%	97.84%
59.0	11.258	1.072	1130.902	0.09%	97.93%
60.0	10.835	1.044	1131.946	0.08%	98.02%
61.0	10.483	1.017	1132.964	0.08%	98.11%
62.0	10.185	0.996	1133.959	0.08%	98.19%
63.0	9.874	0.976	1134.935	0.08%	98.28%
64.0	9.583	0.955	1135.89	0.08%	98.36%
65.0	9.341	0.937	1136.826	0.08%	98.44%
66.0	9.078	0.919	1137.745	0.07%	98.52%
67.0	8.843	0.901	1138.646	0.07%	98.60%
68.0	8.614	0.884	1139.531	0.07%	98.68%
69.0	8.400	0.868	1140.399	0.07%	98.75%
70.0	8.199	0.853	1141.251	0.07%	98.82%
71.0	7.978	0.836	1142.087	0.07%	98.90%
72.0	7.777	0.819	1142.907	0.07%	98.97%
73.0	7.549	0.801	1143.708	0.06%	99.04%
74.0	7.341	0.783	1144.491	0.06%	99.10%
75.0	7.154	0.766	1145.257	0.06%	99.17%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.975	0.750	1146.007	0.06%	99.24%
77.0	6.760	0.732	1146.739	0.06%	99.30%
78.0	6.566	0.713	1147.452	0.06%	99.36%
79.0	6.386	0.696	1148.148	0.06%	99.42%
80.0	6.220	0.680	1148.828	0.05%	99.48%
81.0	6.054	0.664	1149.492	0.05%	99.54%
82.0	5.895	0.648	1150.14	0.05%	99.59%
83.0	5.743	0.633	1150.772	0.05%	99.65%
84.0	5.598	0.618	1151.39	0.05%	99.70%
85.0	5.445	0.603	1151.993	0.05%	99.75%
86.0	5.328	0.589	1152.582	0.05%	99.81%
87.0	5.217	0.577	1153.159	0.05%	99.86%
88.0	5.113	0.566	1153.725	0.05%	99.90%
89.0	5.010	0.555	1154.28	0.04%	99.95%
90.0	4.975	0.547	1154.827	0.04%	100.00%

Zonal flux distribution table

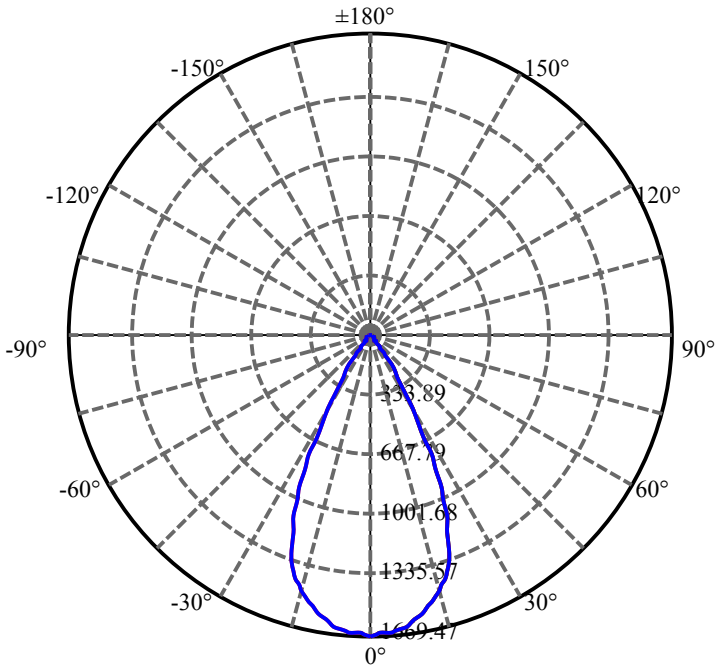
ZONAL LUMEN SUMMARY

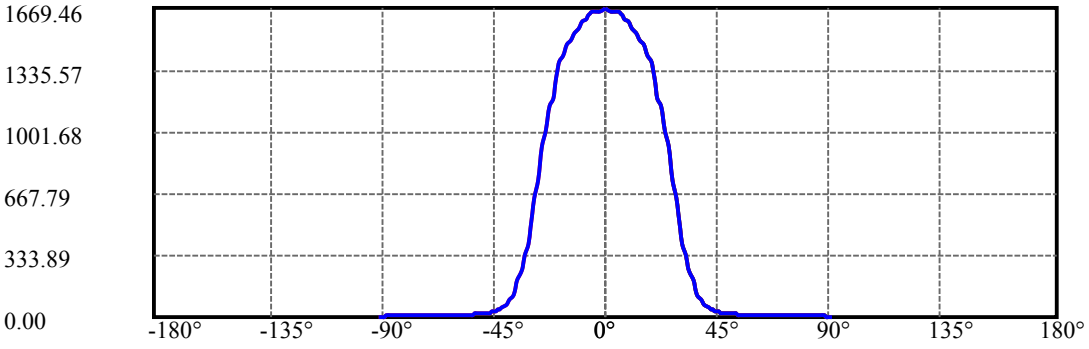
Zone	Lumens	%Lamp	%Fixt
0-30	966.08	78.03%	83.66%
0-40	1094.97	88.44%	94.82%
0-60	1131.95	91.43%	98.02%
0-90	1154.28	93.23%	99.95%
0-120	1154.28	93.23%	99.95%
0-180	1154.83	93.28%	100.00%
60-90	22.33	1.80%	1.93%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.54	923.86	74.62%	80.00%

ZONAL LUMEN SUMMARY

0-10	154.71
10-20	407.70
20-30	403.67
30-40	128.89
40-50	24.77
50-60	12.21
60-70	9.30
70-80	7.58
80-90	5.45
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):

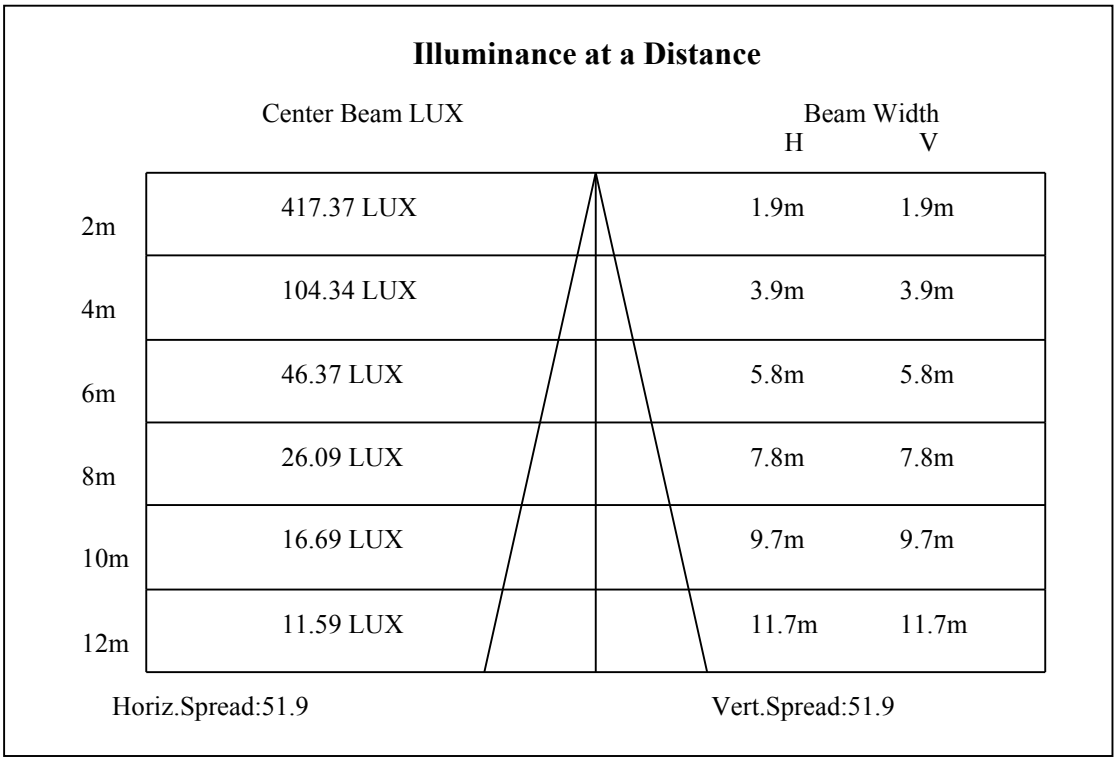
C0/C180:

C90/C270:

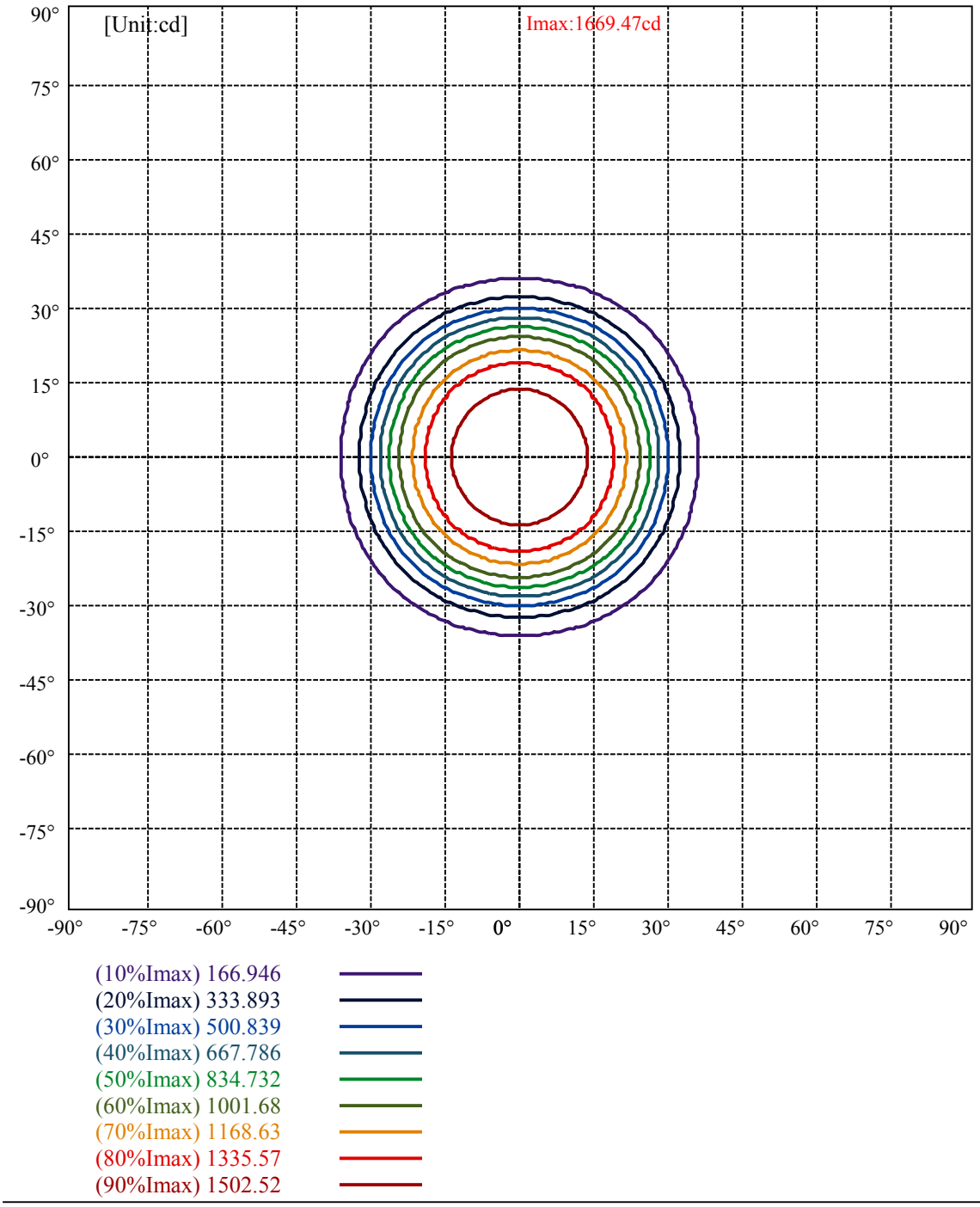
Field angle(10%Imax):C0/180Left:35.6 Right:35.6
:C90/270Left:35.6 Right:35.6

Beam Angle(50%Imax):C0/180Left:26.0 Right:26.0
:C90/270Left:26.0 Right:26.0

Lux distance Curve



ISO-Intensity(V-H)

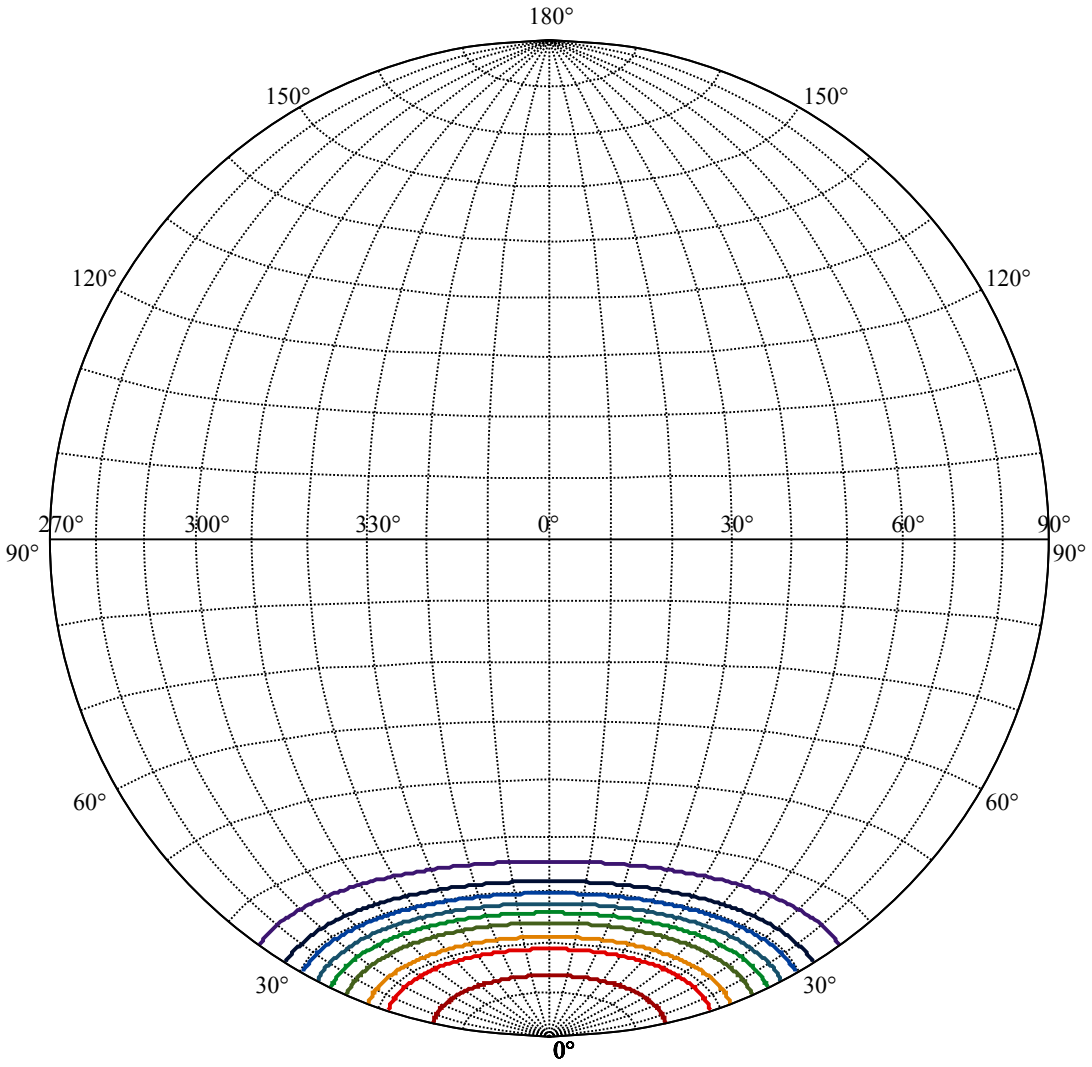


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/21
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

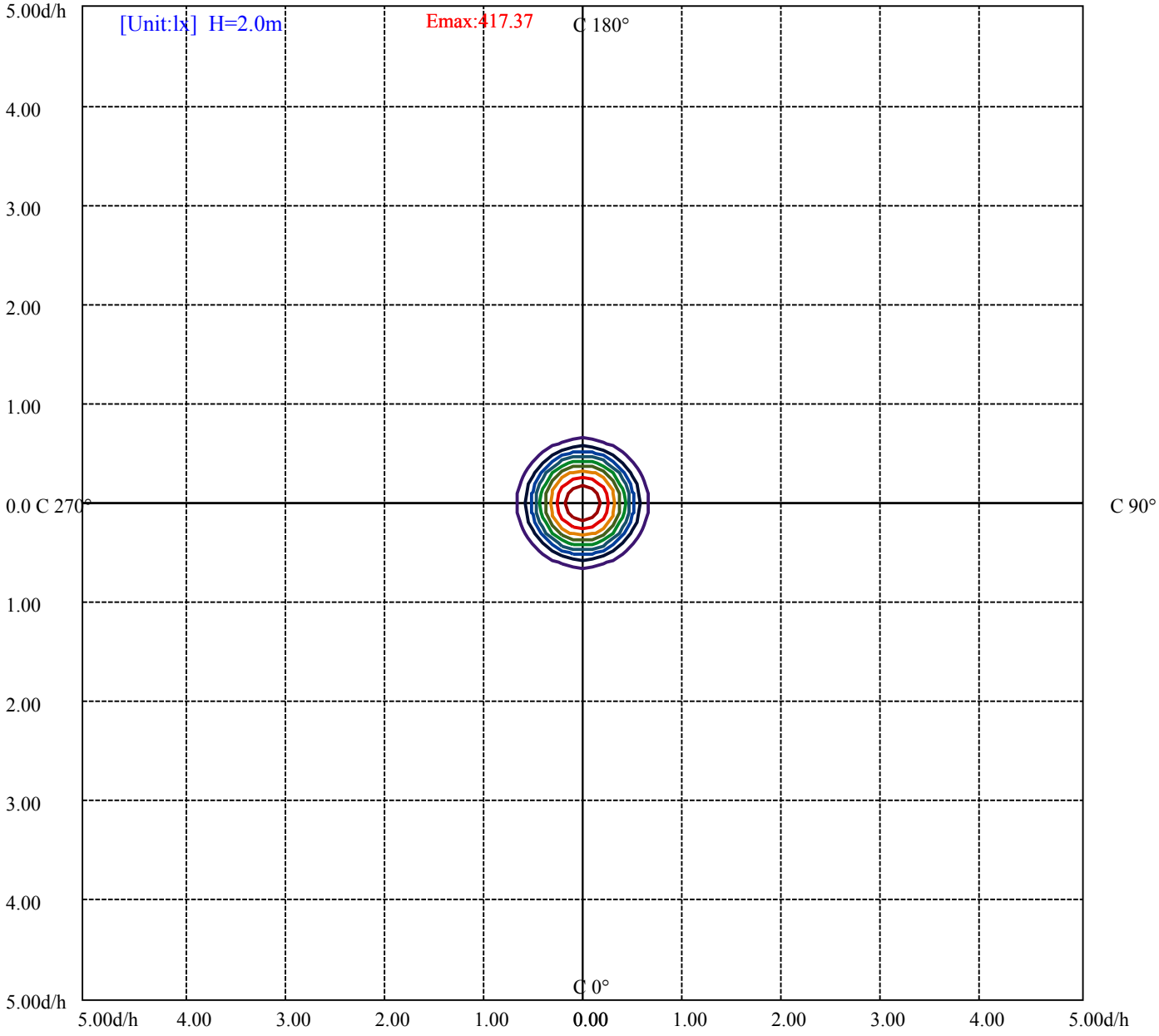
Imax:1669.47

(10%Imax) 166.946
(20%Imax) 333.893
(30%Imax) 500.839
(40%Imax) 667.786
(50%Imax) 834.732
(60%Imax) 1001.68
(70%Imax) 1168.63
(80%Imax) 1335.57
(90%Imax) 1502.52

Equipment: GMS1980 Date: 2023/11/21 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

NT 1-1380-L

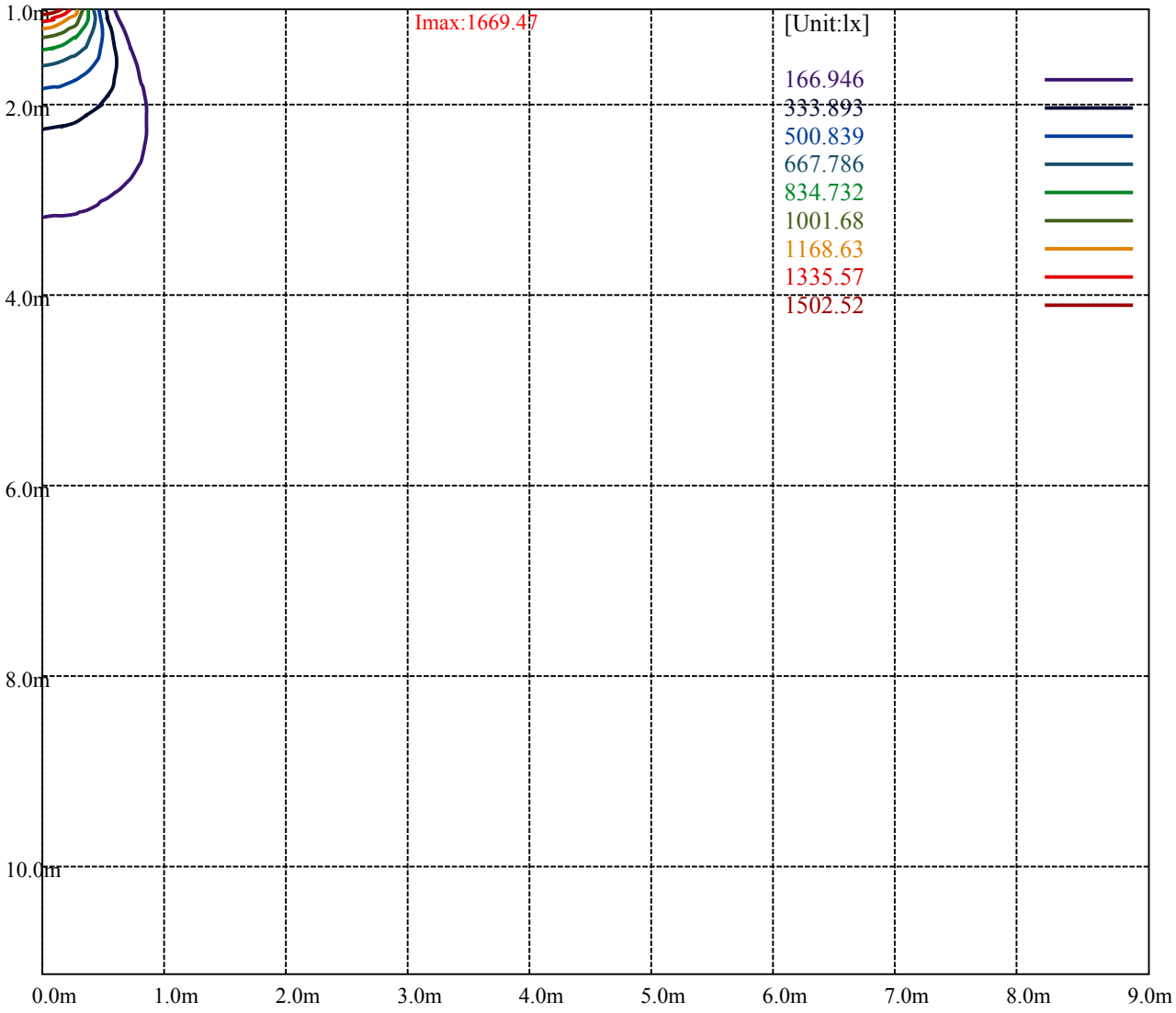
ISO illuminance diagram



(10%Emax) 41.7365
(20%Emax) 83.47325
(30%Emax) 125.2097
(40%Emax) 166.9462
(50%Emax) 208.683
(60%Emax) 250.42
(70%Emax) 292.155
(80%Emax) 333.8925
(90%Emax) 375.63

Equipment: GMS1980
Temperature(°C): 0.0
Date: 2023/11/21
Humidity(%): 0.0%
Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/21
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1380-L

Luminance Limitting Curve(no luminous side)

Luminance Table

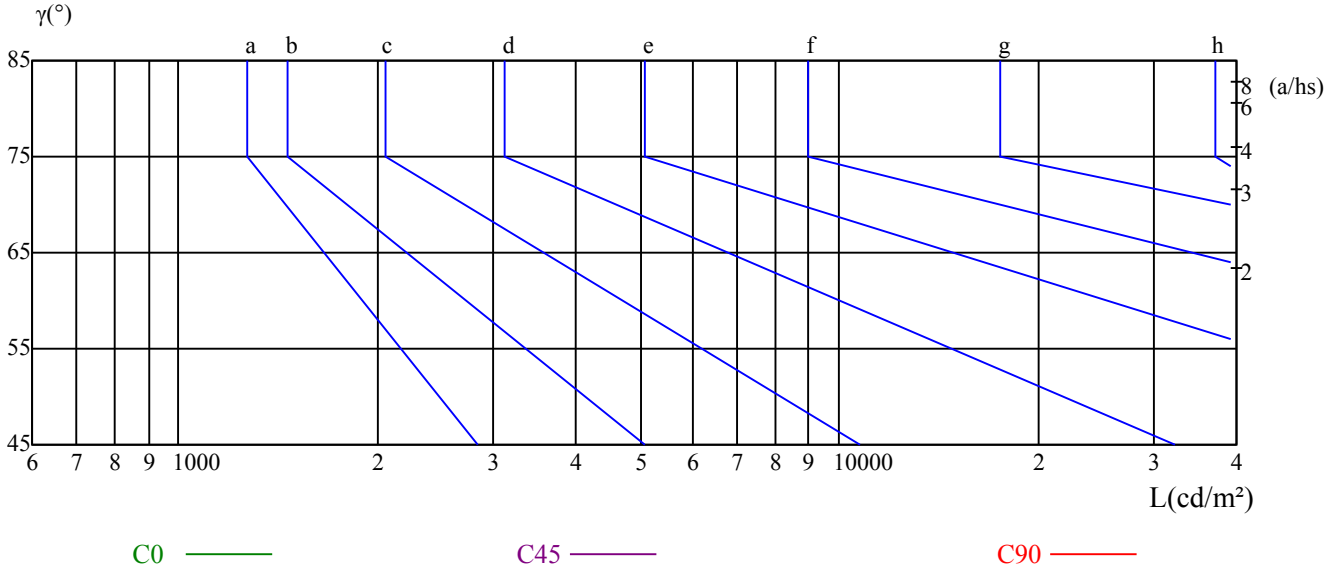
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

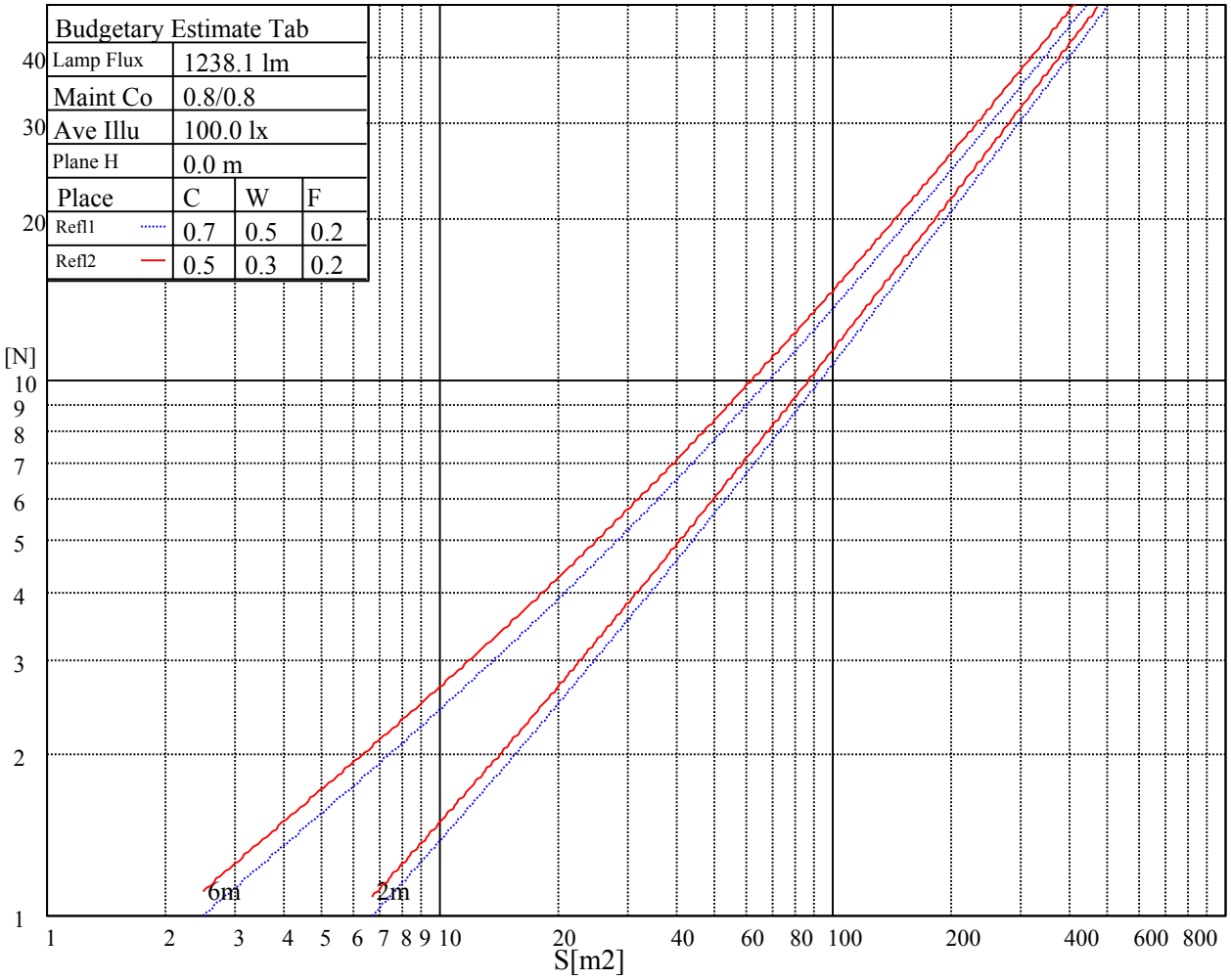
Luminance Limitting Curve



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

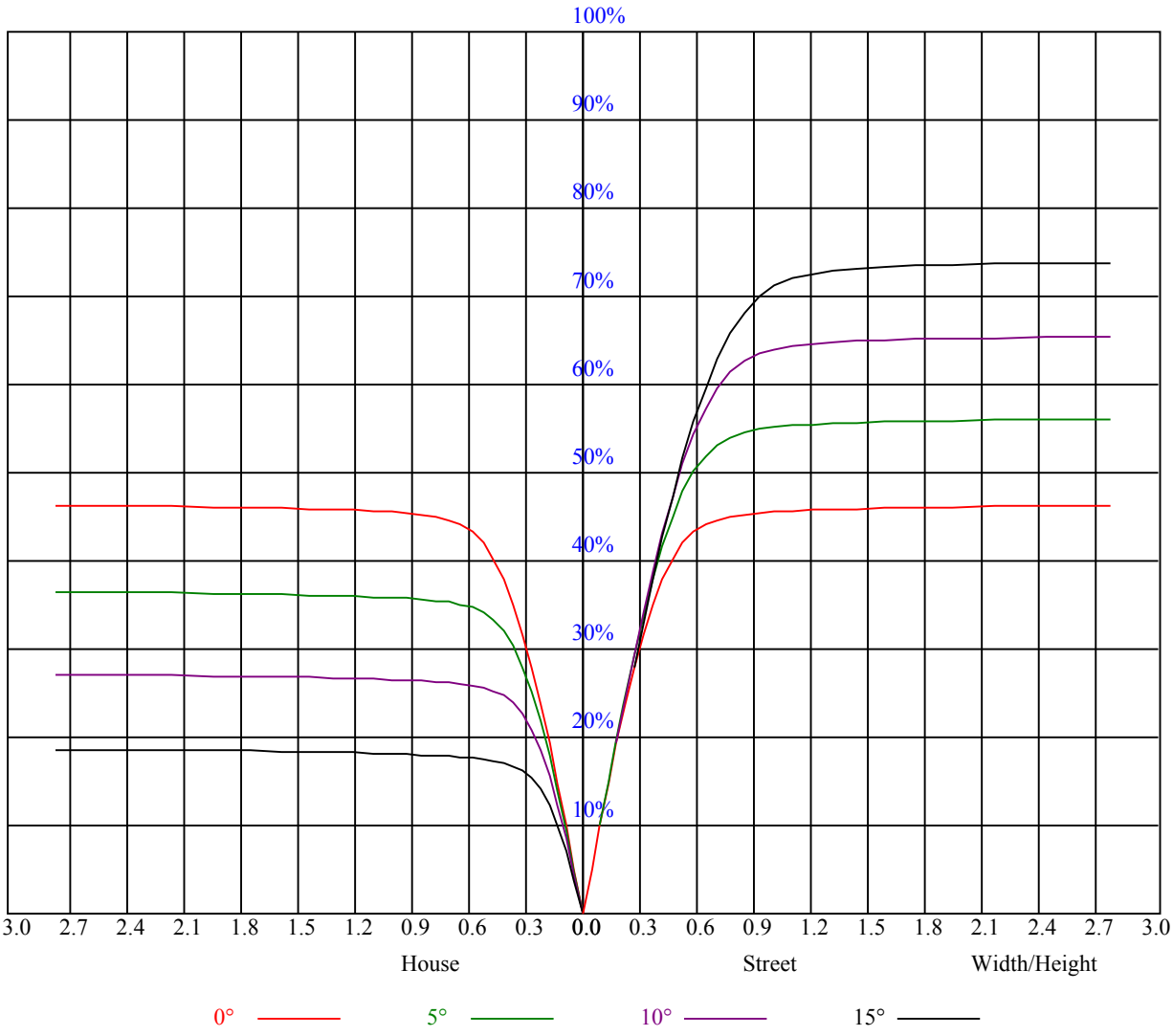


Equipment: GMS1980 Date: 2023/11/21 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.11	1.11	1.11	1.08	1.08	1.08	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.03	1.01	0.99	1.01	0.99	0.98	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.87
2	0.97	0.93	0.90	0.95	0.92	0.89	0.92	0.90	0.87	0.89	0.87	0.85	0.87	0.85	0.84	0.82
3	0.91	0.87	0.83	0.90	0.86	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.77
4	0.86	0.81	0.77	0.85	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.79	0.76	0.74	0.73
5	0.81	0.76	0.72	0.80	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.75	0.72	0.70	0.69
6	0.77	0.71	0.68	0.76	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65
7	0.73	0.67	0.64	0.72	0.67	0.64	0.71	0.67	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.61
8	0.69	0.64	0.60	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.58
9	0.66	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.55
10	0.63	0.58	0.54	0.62	0.57	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.53

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2023/11/21	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	1657.84	1641.79	1641.79	1637.36	1627.95	1614.66	1603.59	1584.22	1565.40
45.0	1669.46	1665.04	1645.11	1643.45	1646.77	1636.25	1621.31	1611.34	1596.40
90.0	1672.23	1651.75	1655.63	1657.84	1651.20	1647.32	1641.23	1627.95	1612.45
135.0	1678.32	1677.77	1660.05	1653.97	1662.27	1656.18	1651.20	1644.56	1636.25
180.0	1657.84	1671.68	1668.36	1658.95	1656.18	1661.16	1660.05	1650.64	1640.13
225.0	1669.46	1658.39	1647.88	1652.30	1656.73	1650.64	1641.23	1630.16	1619.65
270.0	1672.23	1674.45	1660.61	1644.00	1651.20	1648.43	1641.23	1629.61	1619.65
315.0	1678.32	1665.59	1648.43	1650.09	1648.98	1639.02	1623.52	1609.13	1591.97
360.0	1657.84	1641.79	1641.79	1637.36	1627.95	1614.66	1603.59	1584.22	1565.40

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1546.58	1524.99	1506.72	1487.35	1460.78	1437.53	1412.07	1383.84	1342.88
45.0	1582.56	1564.29	1544.92	1524.99	1506.72	1488.46	1466.32	1438.64	1414.84
90.0	1596.95	1580.90	1563.74	1546.03	1525.55	1498.42	1472.96	1444.73	1409.86
135.0	1622.41	1604.70	1587.54	1570.38	1555.44	1533.29	1503.96	1459.67	1426.46
180.0	1632.93	1615.77	1594.74	1577.02	1555.99	1538.28	1512.81	1482.92	1445.28
225.0	1599.17	1573.15	1554.88	1536.06	1508.94	1490.12	1464.10	1440.85	1409.86
270.0	1601.93	1581.45	1555.44	1536.06	1510.60	1495.10	1479.05	1453.59	1427.57
315.0	1567.06	1547.69	1528.31	1502.85	1482.37	1460.78	1432.00	1407.09	1380.52
360.0	1546.58	1524.99	1506.72	1487.35	1460.78	1437.53	1412.07	1383.84	1342.88

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1304.68	1259.29	1092.02	1092.02	1058.14	985.79	888.59	804.56	694.80
45.0	1381.63	1343.43	1299.15	1231.06	1173.50	1108.73	1019.61	943.23	862.41
90.0	1369.45	1320.18	1248.22	1095.12	1095.12	1018.45	940.35	857.54	769.25
135.0	1391.59	1346.75	1304.13	1252.65	1176.82	1105.96	1009.10	927.17	841.37
180.0	1415.95	1378.86	1336.79	1282.54	1232.17	1170.73	1094.34	1013.52	915.00
225.0	1376.09	1320.18	1273.13	1103.14	1103.14	1069.99	998.47	924.85	847.30
270.0	1403.21	1373.32	1334.02	1270.92	1212.24	1151.91	1076.07	1007.99	913.33
315.0	1349.52	1300.26	1252.10	1101.43	1101.43	1050.56	979.04	906.91	808.66
360.0	1304.68	1259.29	1092.02	1092.02	1058.14	985.79	888.59	804.56	694.80

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	605.46	520.55	444.71	360.30	300.90	250.36	206.41	160.69	130.80
45.0	776.61	664.80	577.89	498.74	426.78	345.41	290.05	290.05	231.05
90.0	655.05	568.26	488.22	415.32	335.94	280.70	232.49	189.31	144.75
135.0	751.15	637.12	551.32	471.61	397.99	319.94	280.09	280.09	184.00
180.0	831.41	742.29	655.39	568.48	467.74	395.22	333.23	280.09	280.09
225.0	740.02	651.68	567.43	468.51	396.28	318.67	265.20	217.93	168.88
270.0	826.98	736.76	627.16	544.68	467.74	397.44	333.78	290.61	290.61
315.0	724.97	635.79	528.74	450.69	383.27	306.94	254.90	209.51	162.52
360.0	605.46	520.55	444.71	360.30	300.90	250.36	206.41	160.69	130.80

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	107.11	87.79	69.30	57.84	48.99	40.24	34.76	29.50	26.24
45.0	150.17	121.45	93.10	76.28	63.10	51.09	43.78	38.19	33.65
90.0	117.18	91.06	74.95	62.55	50.76	43.73	38.25	33.71	29.12
135.0	145.75	120.73	100.08	78.60	65.54	53.14	45.45	39.25	34.32
180.0	184.11	152.44	119.73	98.75	77.77	64.32	53.97	43.84	37.70
225.0	137.00	111.43	91.06	71.68	59.78	50.59	43.34	36.48	32.11
270.0	172.81	140.87	109.43	90.00	74.89	60.34	51.48	44.56	37.64
315.0	132.41	108.60	89.78	74.78	60.22	51.31	44.17	36.98	32.22
360.0	107.11	87.79	69.30	57.84	48.99	40.24	34.76	29.50	26.24

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	23.69	21.59	19.43	18.05	16.88	15.83	14.78	14.06	13.45
45.0	29.17	26.18	23.69	21.59	19.48	18.05	16.88	15.67	14.78
90.0	26.24	23.80	21.75	19.60	18.16	16.99	15.78	14.95	14.17
135.0	29.61	26.68	24.19	22.14	19.98	18.54	17.33	16.27	15.17
180.0	32.94	29.17	25.52	23.19	21.26	19.65	17.93	16.77	15.83
225.0	28.45	24.91	22.69	20.76	18.82	17.55	16.44	15.22	14.45
270.0	33.38	29.06	26.29	23.91	21.98	19.87	18.54	17.38	16.33
315.0	27.62	24.80	22.53	20.26	18.76	17.49	16.44	15.22	14.45
360.0	23.69	21.59	19.43	18.05	16.88	15.83	14.78	14.06	13.45

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	12.73	12.18	11.79	11.29	10.90	10.57	10.19	9.91	9.69
45.0	13.89	13.23	12.62	12.01	11.62	11.13	10.79	10.35	10.07
90.0	13.40	12.79	12.18	11.73	11.29	10.96	10.52	10.24	9.96
135.0	14.39	13.56	12.95	12.45	11.90	11.46	11.07	10.63	10.30
180.0	14.72	14.00	13.40	12.68	12.18	11.73	11.24	10.90	10.57
225.0	13.73	13.17	12.45	12.01	11.57	11.18	10.74	10.41	10.13
270.0	15.22	14.45	13.73	13.12	12.45	12.01	11.46	11.07	10.74
315.0	13.73	13.12	12.40	11.90	11.51	11.02	10.68	10.35	10.02
360.0	12.73	12.18	11.79	11.29	10.90	10.57	10.19	9.91	9.69

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	9.41	9.19	8.97	8.75	8.52	8.30	8.14	7.97	7.69
45.0	9.80	9.52	9.30	9.02	8.80	8.58	8.41	8.19	7.97
90.0	9.69	9.35	9.13	8.86	8.69	8.41	8.19	8.03	7.75
135.0	10.02	9.74	9.52	9.19	8.97	8.75	8.47	8.30	8.08
180.0	10.24	9.91	9.69	9.41	9.13	8.86	8.69	8.41	8.25
225.0	9.80	9.52	9.19	8.97	8.75	8.58	8.30	8.14	7.92
270.0	10.30	10.02	9.74	9.47	9.13	8.91	8.69	8.47	8.25
315.0	9.74	9.41	9.19	8.97	8.75	8.52	8.30	8.08	7.92
360.0	9.41	9.19	8.97	8.75	8.52	8.30	8.14	7.97	7.69

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.53	7.31	7.09	6.92	6.75	6.53	6.37	6.20	6.03
45.0	7.75	7.53	7.36	7.14	6.97	6.81	6.59	6.48	6.25
90.0	7.58	7.36	7.14	6.97	6.81	6.59	6.42	6.25	6.09
135.0	7.80	7.64	7.36	7.20	7.03	6.81	6.59	6.42	6.25
180.0	8.03	7.75	7.58	7.36	7.20	6.92	6.75	6.53	6.42
225.0	7.75	7.47	7.31	7.14	6.92	6.70	6.53	6.31	6.14
270.0	8.03	7.80	7.58	7.36	7.14	6.97	6.75	6.53	6.37
315.0	7.75	7.53	7.31	7.14	6.97	6.75	6.53	6.37	6.20
360.0	7.53	7.31	7.09	6.92	6.75	6.53	6.37	6.20	6.03

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.92	5.76	5.59	5.42	5.31	5.20	5.09	4.98	4.93
45.0	6.09	5.92	5.76	5.59	5.48	5.31	5.20	5.09	4.98
90.0	5.92	5.76	5.59	5.48	5.37	5.26	5.15	5.04	4.98
135.0	6.03	5.92	5.76	5.59	5.42	5.31	5.20	5.15	4.98
180.0	6.20	5.98	5.87	5.70	5.54	5.42	5.31	5.20	5.09
225.0	6.03	5.87	5.70	5.59	5.42	5.31	5.20	5.09	4.98
270.0	6.20	6.03	5.92	5.76	5.54	5.42	5.31	5.20	5.09
315.0	6.03	5.92	5.76	5.65	5.48	5.37	5.26	5.15	5.04
360.0	5.92	5.76	5.59	5.42	5.31	5.20	5.09	4.98	4.93

Intensity data(cd)

C/γ(°)	90.0
0.0	4.93
45.0	4.98
90.0	4.98
135.0	5.04
180.0	4.98
225.0	4.98
270.0	4.98
315.0	4.93
360.0	4.93