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NT

Client:
LumCAT: 1-1379-L
Luminaire: 92.70.410.00
Report No: 20231109-B012
Ballast type: AC

Test No: 20231109-C012	Voltage(V): 34.750
LampCAT: Fortimo_SLM_C_1204	Current(A): 0.320
Lamp flux(lm): 1771.7	Power (W): 11.120
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1604.86, Efficiency(%): 90.58% , Luminous Efficacy(lm/W): 144.32
Central intensity(cd): 3829.085, Maximum intensity(cd): 3829.085
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=36.6
[C90/270]Total=36.6
Field angle(10%Imax): [C0/180]Total=59.8
[C90/270]Total=59.8
Beam angle of C0 plane : 36.59
Aveage BeamAngle(IEC 61341):36.59
Maximum s/h(1/2): C0_180=0.61 C90_270=0.61
Maximum s/h(1/4): C0_180=0.58 C90_270=0.58
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 90.58%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.862%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3829.085	0.000	0	0.00%	0.00%
1.0	3824.034	3.662	3.662	0.21%	0.23%
2.0	3816.423	10.966	14.628	0.62%	0.91%
3.0	3801.339	18.219	32.847	1.03%	2.05%
4.0	3771.794	25.350	58.197	1.43%	3.63%
5.0	3725.851	32.254	90.452	1.82%	5.64%
6.0	3670.220	38.868	129.32	2.19%	8.06%
7.0	3591.342	45.072	174.392	2.54%	10.87%
8.0	3500.700	50.756	225.149	2.86%	14.03%
9.0	3399.541	55.923	281.071	3.16%	17.51%
10.0	3289.111	60.530	341.601	3.42%	21.29%
11.0	3146.852	64.308	405.91	3.63%	25.29%
12.0	3001.757	67.213	473.123	3.79%	29.48%
13.0	2846.075	69.399	542.522	3.92%	33.80%
14.0	2683.127	70.773	613.295	3.99%	38.21%
15.0	2512.154	71.323	684.618	4.03%	42.66%
16.0	2325.197	70.881	755.499	4.00%	47.08%
17.0	2154.085	69.754	825.253	3.94%	51.42%
18.0	1965.814	67.928	893.182	3.83%	55.65%
19.0	1792.073	65.380	958.561	3.69%	59.73%
20.0	1613.765	62.336	1020.897	3.52%	63.61%
21.0	1398.294	57.838	1078.735	3.26%	67.22%
22.0	1226.110	52.739	1131.474	2.98%	70.50%
23.0	1132.943	49.499	1180.973	2.79%	73.59%
24.0	1009.006	46.831	1227.804	2.64%	76.51%
25.0	875.895	42.859	1270.662	2.42%	79.18%
26.0	757.908	38.566	1309.228	2.18%	81.58%
27.0	641.721	34.242	1343.47	1.93%	83.71%
28.0	547.177	30.100	1373.571	1.70%	85.59%
29.0	456.314	26.254	1399.825	1.48%	87.22%
30.0	378.148	22.530	1422.355	1.27%	88.63%
31.0	302.459	18.940	1441.296	1.07%	89.81%
32.0	253.499	15.928	1457.223	0.90%	90.80%
33.0	209.430	13.638	1470.861	0.77%	91.65%
34.0	167.168	11.397	1482.258	0.64%	92.36%
35.0	120.955	8.948	1491.206	0.51%	92.92%
36.0	102.646	7.119	1498.326	0.40%	93.36%
37.0	90.489	6.299	1504.625	0.36%	93.75%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	80.429	5.705	1510.33	0.32%	94.11%
39.0	71.468	5.185	1515.514	0.29%	94.43%
40.0	63.546	4.709	1520.223	0.27%	94.73%
41.0	57.160	4.298	1524.521	0.24%	94.99%
42.0	51.825	3.960	1528.481	0.22%	95.24%
43.0	47.078	3.664	1532.145	0.21%	95.47%
44.0	42.518	3.382	1535.526	0.19%	95.68%
45.0	38.734	3.123	1538.649	0.18%	95.87%
46.0	35.745	2.913	1541.562	0.16%	96.06%
47.0	33.129	2.739	1544.301	0.15%	96.23%
48.0	30.694	2.580	1546.881	0.15%	96.39%
49.0	28.742	2.441	1549.322	0.14%	96.54%
50.0	26.992	2.324	1551.645	0.13%	96.68%
51.0	25.407	2.217	1553.862	0.13%	96.82%
52.0	24.058	2.123	1555.985	0.12%	96.95%
53.0	22.826	2.039	1558.024	0.12%	97.08%
54.0	21.747	1.965	1559.989	0.11%	97.20%
55.0	20.737	1.896	1561.886	0.11%	97.32%
56.0	19.920	1.837	1563.723	0.10%	97.44%
57.0	19.076	1.783	1565.506	0.10%	97.55%
58.0	18.315	1.729	1567.235	0.10%	97.66%
59.0	17.616	1.680	1568.915	0.09%	97.76%
60.0	17.007	1.636	1570.55	0.09%	97.86%
61.0	16.385	1.594	1572.144	0.09%	97.96%
62.0	15.852	1.553	1573.697	0.09%	98.06%
63.0	15.278	1.514	1575.211	0.09%	98.15%
64.0	14.793	1.476	1576.687	0.08%	98.24%
65.0	14.316	1.441	1578.127	0.08%	98.33%
66.0	13.887	1.407	1579.535	0.08%	98.42%
67.0	13.444	1.374	1580.909	0.08%	98.51%
68.0	13.029	1.341	1582.25	0.08%	98.59%
69.0	12.662	1.311	1583.56	0.07%	98.67%
70.0	12.295	1.282	1584.842	0.07%	98.75%
71.0	11.943	1.253	1586.095	0.07%	98.83%
72.0	11.562	1.222	1587.317	0.07%	98.91%
73.0	11.237	1.192	1588.509	0.07%	98.98%
74.0	10.918	1.165	1589.674	0.07%	99.05%
75.0	10.573	1.136	1590.81	0.06%	99.12%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.261	1.106	1591.916	0.06%	99.19%
77.0	9.943	1.077	1592.993	0.06%	99.26%
78.0	9.673	1.050	1594.043	0.06%	99.33%
79.0	9.396	1.025	1595.067	0.06%	99.39%
80.0	9.113	0.998	1596.065	0.06%	99.45%
81.0	8.891	0.974	1597.039	0.05%	99.51%
82.0	8.691	0.953	1597.992	0.05%	99.57%
83.0	8.441	0.931	1598.924	0.05%	99.63%
84.0	8.234	0.908	1599.832	0.05%	99.69%
85.0	8.006	0.886	1600.718	0.05%	99.74%
86.0	7.784	0.863	1601.581	0.05%	99.80%
87.0	7.597	0.842	1602.423	0.05%	99.85%
88.0	7.431	0.823	1603.246	0.05%	99.90%
89.0	7.348	0.810	1604.057	0.05%	99.95%
90.0	7.300	0.803	1604.86	0.05%	100.00%

Zonal flux distribution table

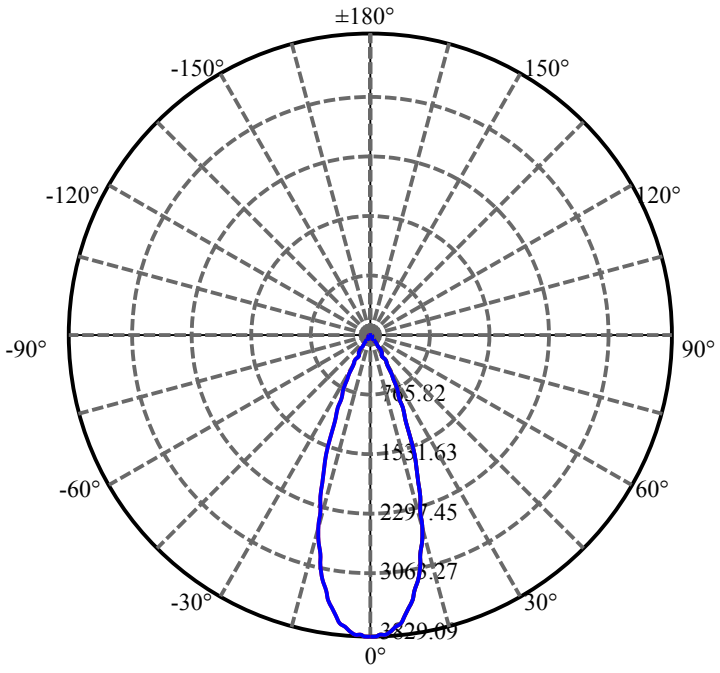
ZONAL LUMEN SUMMARY

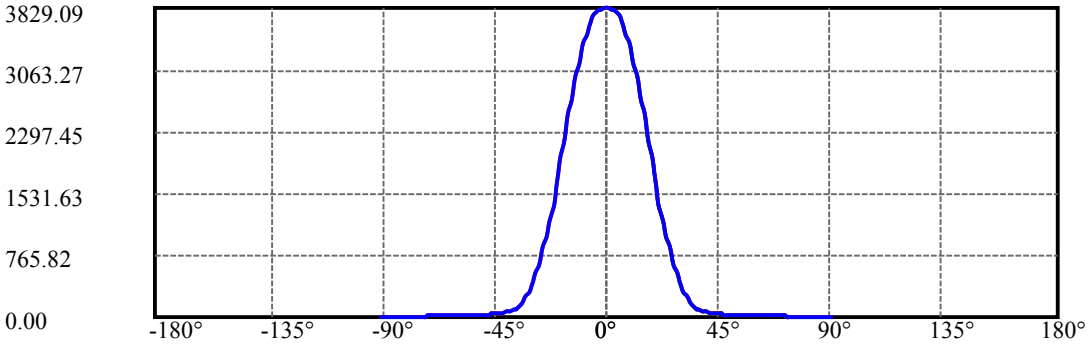
Zone	Lumens	%Lamp	%Fixt
0-30	1422.36	80.28%	88.63%
0-40	1520.22	85.81%	94.73%
0-60	1570.55	88.65%	97.86%
0-90	1604.06	90.54%	99.95%
0-120	1604.06	90.54%	99.95%
0-180	1604.86	90.58%	100.00%
60-90	33.51	1.89%	2.09%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.34	1283.89	72.47%	80.00%

ZONAL LUMEN SUMMARY

0-10	341.60
10-20	679.30
20-30	401.46
30-40	97.87
40-50	31.42
50-60	18.90
60-70	14.29
70-80	11.22
80-90	7.99
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):

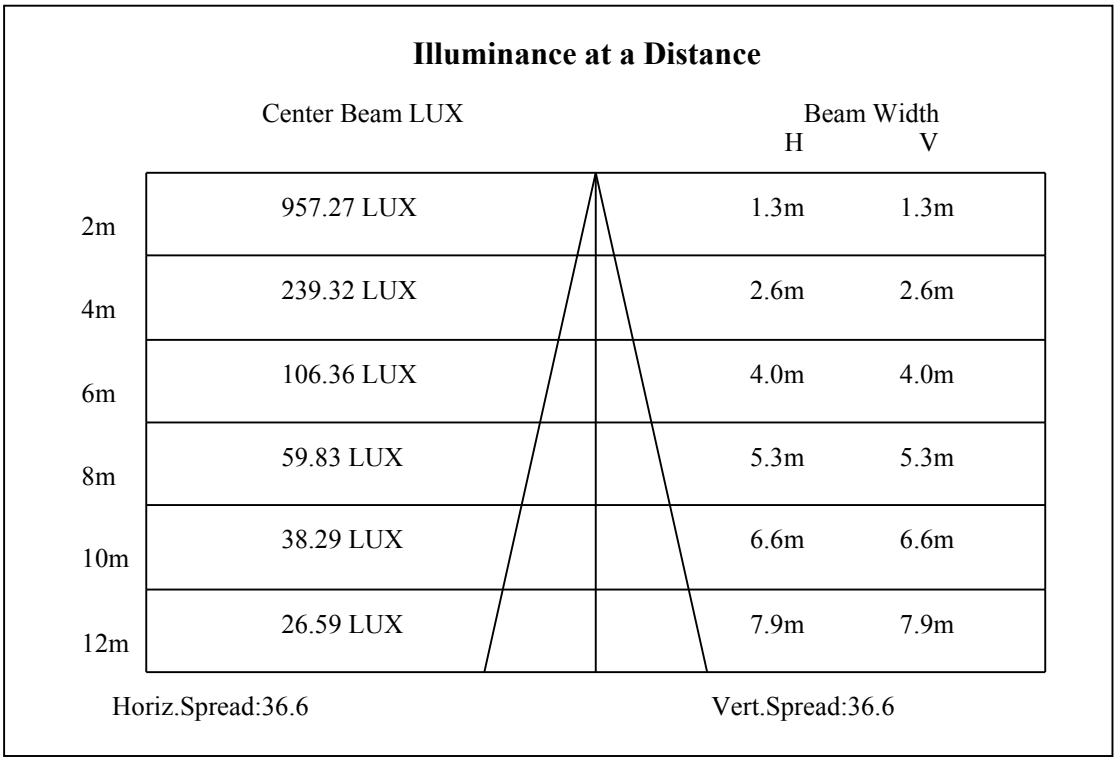
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:29.9 Right:29.9
:C90/270Left:29.9 Right:29.9

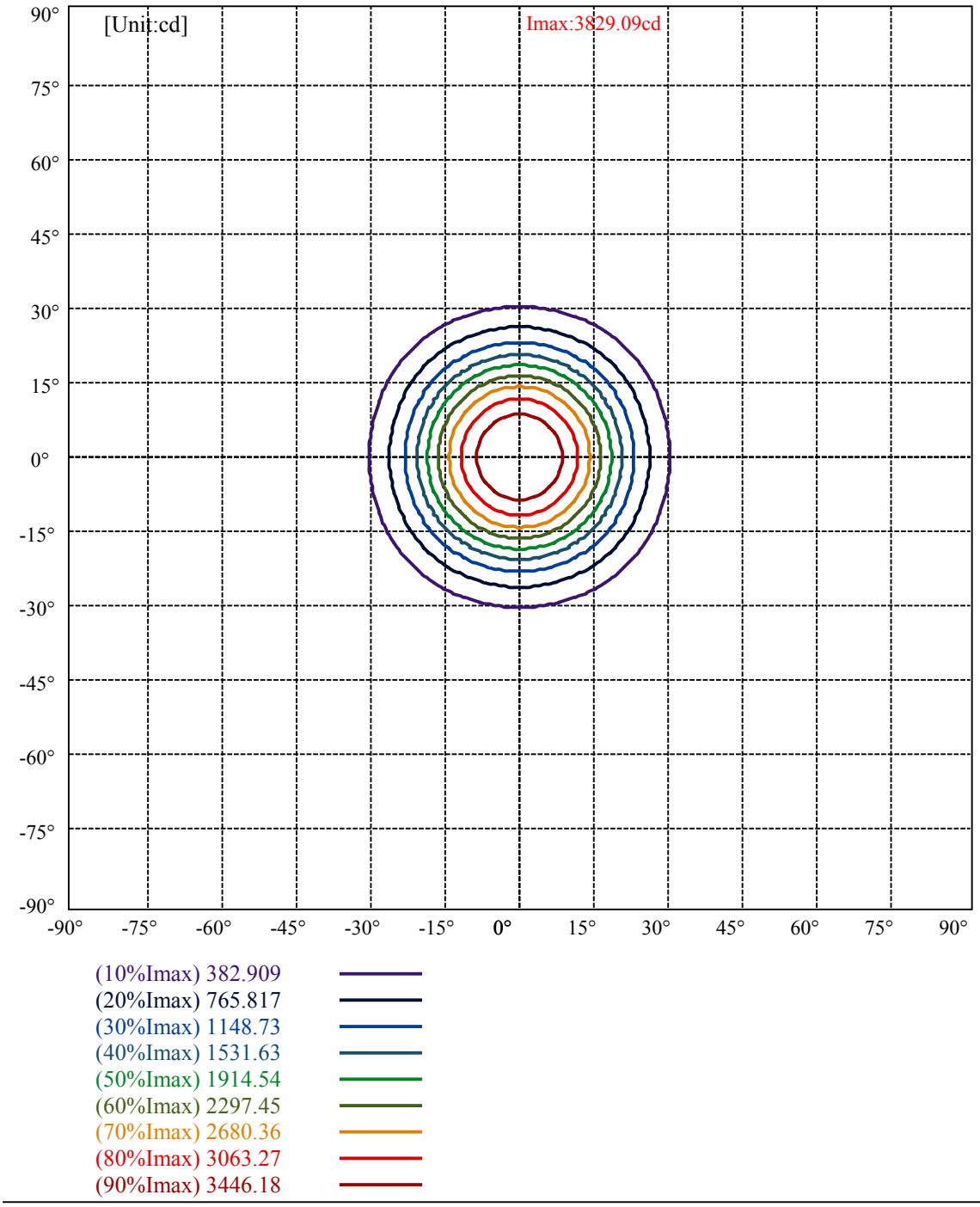
Beam Angle(50%Imax):C0/180Left:18.3 Right:18.3
:C90/270Left:18.3 Right:18.3

Lux distance Curve



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

ISO-Intensity(V-H)

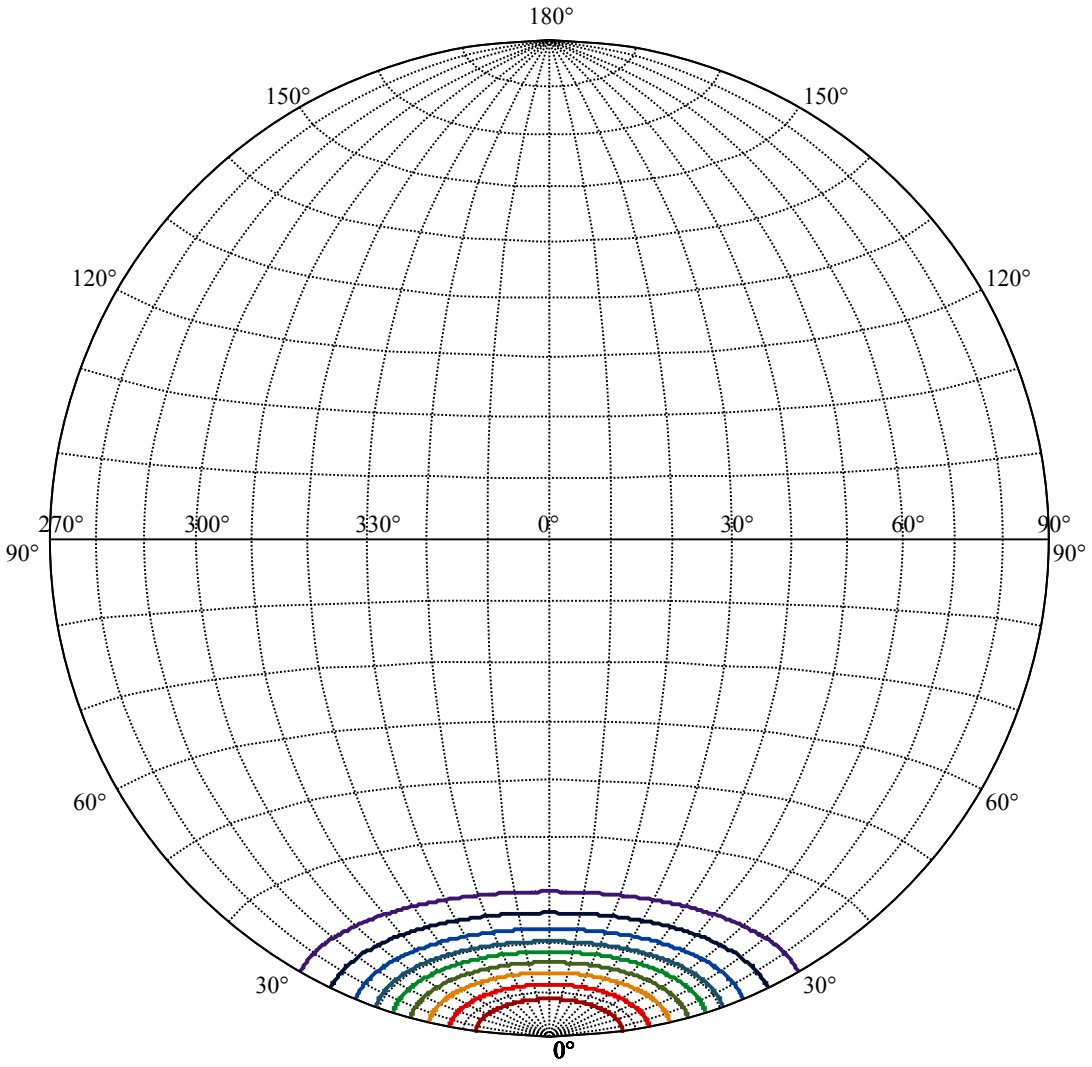


Equipment: GMS1980
Temperature(°C): 0.0

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

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:3829.09

(10%Imax) 382.909
(20%Imax) 765.817
(30%Imax) 1148.73
(40%Imax) 1531.63
(50%Imax) 1914.54
(60%Imax) 2297.45
(70%Imax) 2680.36
(80%Imax) 3063.27
(90%Imax) 3446.18

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

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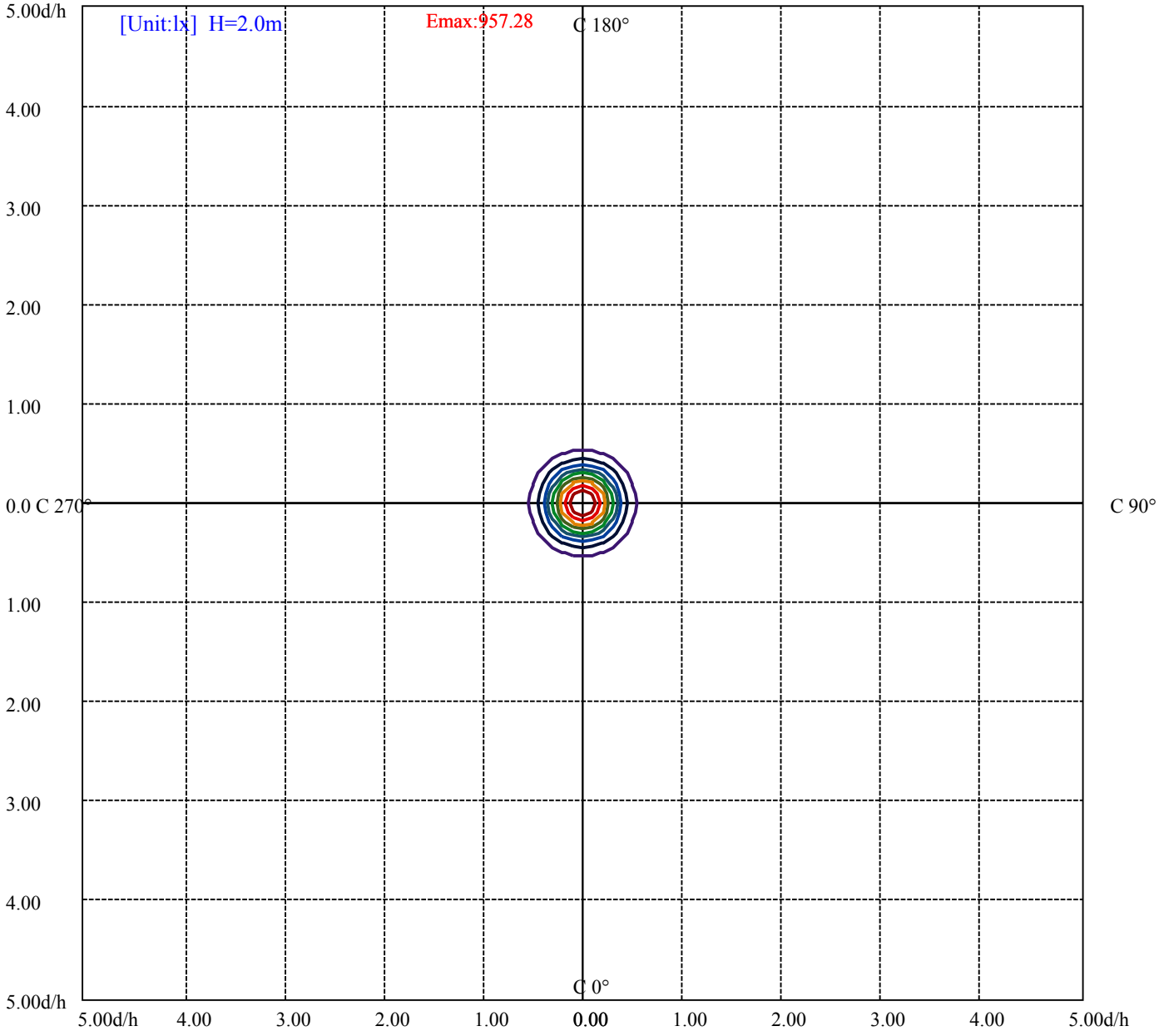
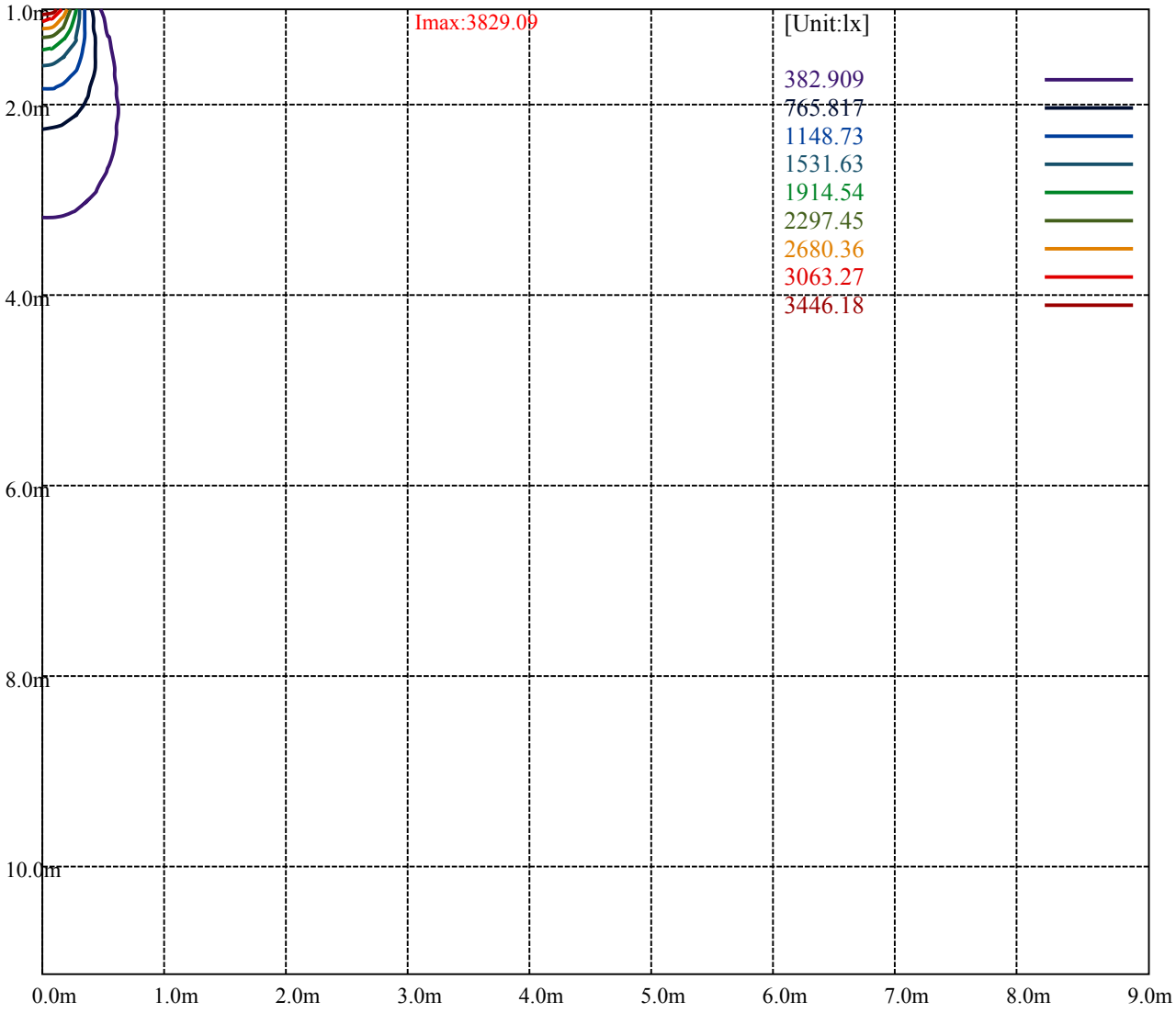
ISO illuminance diagram



(10%Emax) 95.727
(20%Emax) 191.4543
(30%Emax) 287.1825
(40%Emax) 382.9075
(50%Emax) 478.635
(60%Emax) 574.3625
(70%Emax) 670.09
(80%Emax) 765.8175
(90%Emax) 861.545

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 1-1379-L

Luminance Limitting Curve(no luminous side)

Luminance Table

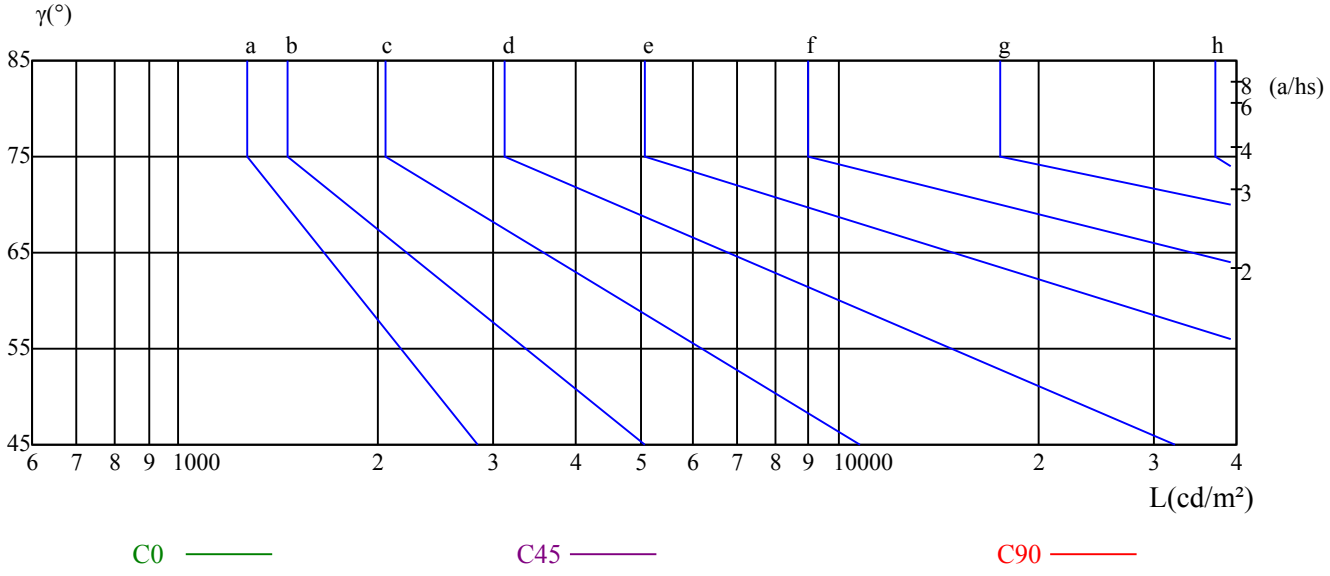
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

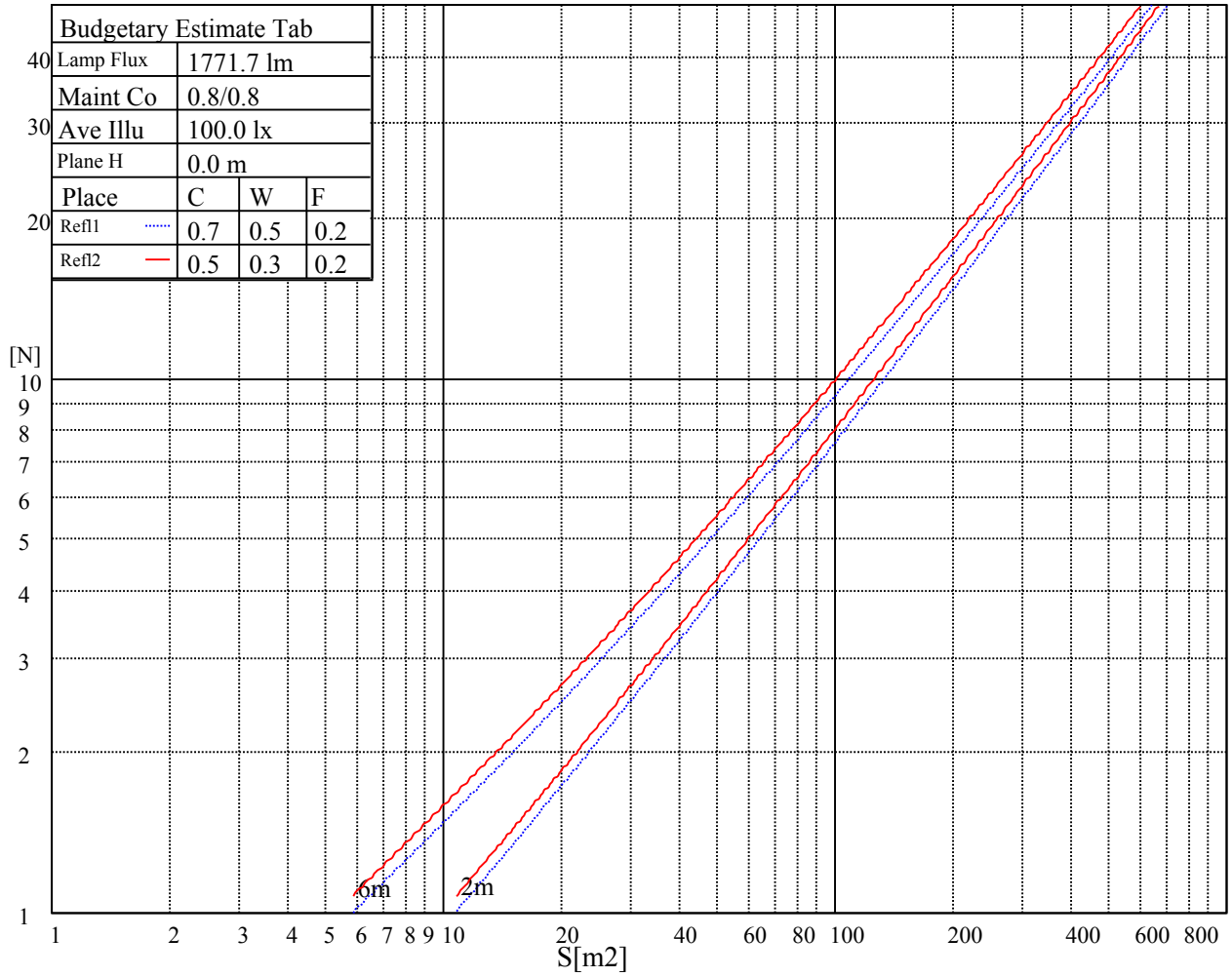
Date: 2023/11/09
Humidity(%): 0.0%

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

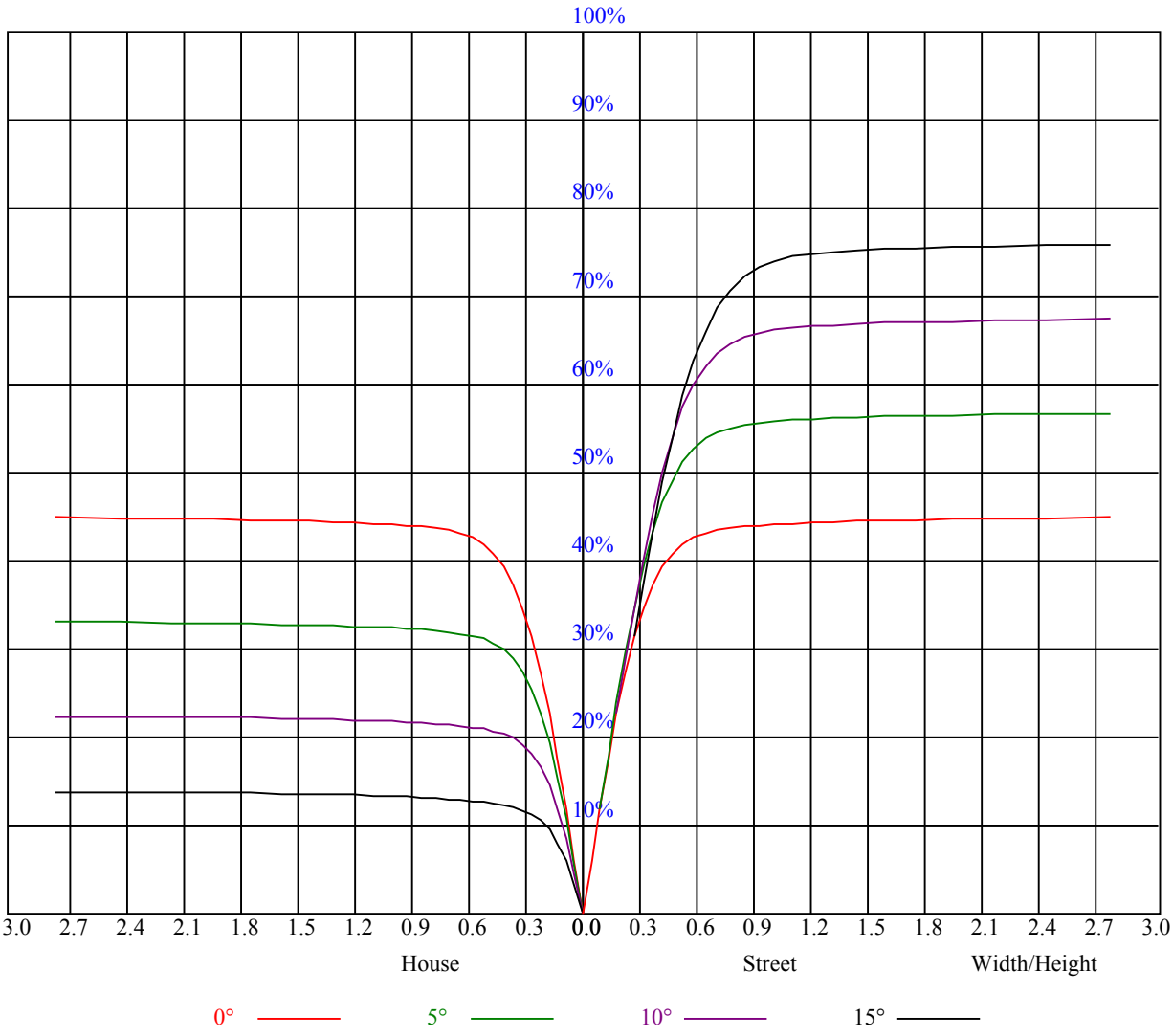


Equipment: GMS1980	Date: 2023/11/09	Operator: NT07
Temperature(°C): 0.0	Humidity(%): 0.0%	Distance(m): 7.44

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	1.08	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	0.99	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	0.84	0.86	0.84	0.83	0.81
3	0.90	0.86	0.83	0.89	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.82	0.80	0.79	0.77
4	0.85	0.81	0.78	0.84	0.81	0.77	0.83	0.79	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.74
5	0.81	0.77	0.74	0.81	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.76	0.74	0.71	0.70
6	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.67
7	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.64
8	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.62
9	0.69	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
10	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.64	0.61	0.58	0.57

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	3824.38	3809.99	3790.61	3765.15	3721.42	3643.37	3571.97	3482.29	3381.00
45.0	3826.59	3824.38	3821.06	3799.47	3775.67	3731.39	3681.57	3590.79	3500.01
90.0	3838.22	3835.45	3822.72	3792.28	3759.62	3707.03	3622.34	3532.11	3404.25
135.0	3827.15	3831.58	3834.90	3836.56	3797.26	3760.17	3701.50	3625.66	3547.06
180.0	3824.38	3827.15	3833.79	3837.67	3824.93	3798.36	3770.13	3723.64	3638.39
225.0	3826.59	3823.83	3812.76	3799.47	3758.51	3712.57	3657.77	3566.99	3483.96
270.0	3838.22	3823.83	3824.93	3809.99	3796.15	3757.96	3710.91	3654.44	3583.04
315.0	3827.15	3816.08	3790.61	3770.13	3740.80	3695.96	3645.59	3554.81	3467.90
360.0	3824.38	3809.99	3790.61	3765.15	3721.42	3643.37	3571.97	3482.29	3381.00

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3242.06	3116.96	2981.90	2833.55	2636.49	2477.63	2312.12	2107.31	1937.93
45.0	3402.59	3284.68	3133.01	2989.09	2796.46	2646.46	2484.82	2271.16	2102.88
90.0	3291.88	3159.03	2968.06	2808.09	2653.65	2452.16	2286.10	2118.94	1957.30
135.0	3460.71	3357.75	3199.99	3057.18	2908.28	2745.54	2539.62	2373.01	2152.70
180.0	3554.81	3464.58	3361.07	3214.94	3078.77	2928.21	2773.77	2582.80	2420.06
225.0	3387.09	3279.15	3134.12	3000.72	2856.80	2700.15	2500.88	2338.14	2172.63
270.0	3475.10	3377.68	3269.74	3116.41	2980.24	2837.98	2679.67	2490.91	2331.49
315.0	3382.10	3273.06	3126.92	2994.08	2857.91	2676.90	2520.25	2319.32	2157.68
360.0	3242.06	3116.96	2981.90	2833.55	2636.49	2477.63	2312.12	2107.31	1937.93

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1736.44	1577.02	1427.57	1078.79	1078.79	981.47	855.21	738.14	609.22
45.0	1940.14	1779.06	1582.56	1429.23	1286.97	1154.12	993.04	870.16	759.45
90.0	1752.49	1598.06	1443.62	1096.55	1096.55	999.30	871.93	757.90	632.30
135.0	1984.43	1808.40	1595.84	1438.64	1293.61	1154.68	989.72	863.52	741.74
180.0	2202.52	2024.28	1849.36	1635.70	1472.96	1326.83	1196.74	1020.17	898.39
225.0	1961.18	1787.92	1617.43	1427.02	1084.93	1084.93	988.50	866.95	757.24
270.0	2154.36	1979.44	1774.08	1616.88	1418.16	1285.31	1159.10	994.70	882.89
315.0	1994.94	1782.39	1619.65	1463.55	1076.90	1076.90	1017.79	895.62	782.04
360.0	1736.44	1577.02	1427.57	1078.79	1078.79	981.47	855.21	738.14	609.22

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	518.33	438.95	364.12	282.30	224.13	177.63	138.99	119.51	101.63
45.0	633.80	545.23	464.42	374.74	308.87	293.37	224.57	152.39	129.47
90.0	541.52	461.87	369.32	302.01	228.06	181.95	149.84	128.59	108.16
135.0	631.03	518.66	439.51	367.55	283.96	283.96	215.71	139.33	119.62
180.0	767.20	659.81	541.36	458.88	384.71	294.48	294.48	221.08	133.46
225.0	630.86	541.36	460.38	386.87	300.90	239.79	188.37	147.96	115.02
270.0	766.65	663.69	549.11	468.29	392.46	321.60	290.05	290.05	144.92
315.0	644.37	547.83	462.31	384.54	296.58	235.20	173.42	138.44	115.36
360.0	518.33	438.95	364.12	282.30	224.13	177.63	138.99	119.51	101.63

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	90.00	80.59	72.35	63.60	57.90	52.92	48.16	42.95	39.69
45.0	109.05	96.09	85.47	76.11	66.48	60.22	54.80	49.71	44.39
90.0	95.21	84.75	75.67	66.09	59.56	54.14	47.83	43.51	39.91
135.0	105.39	90.89	81.65	73.34	64.43	58.45	53.31	48.49	43.40
180.0	110.71	96.48	84.08	75.78	68.47	60.34	54.80	49.93	45.50
225.0	100.25	89.67	78.38	70.74	62.38	56.52	51.64	47.27	41.90
270.0	112.87	98.53	88.12	76.50	68.58	59.95	54.30	49.54	45.22
315.0	97.70	86.91	77.72	69.58	60.56	54.74	49.76	45.22	40.13
360.0	90.00	80.59	72.35	63.60	57.90	52.92	48.16	42.95	39.69

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	36.87	34.32	31.55	29.67	27.68	26.29	25.02	23.64	22.64
45.0	40.85	37.09	34.43	32.11	29.61	27.84	26.35	24.96	23.47
90.0	36.09	33.49	31.11	28.78	27.12	25.63	24.02	22.92	21.86
135.0	40.02	37.20	34.60	31.72	29.78	28.06	26.29	24.91	23.47
180.0	40.52	37.31	34.65	31.66	29.72	27.90	25.96	24.52	23.36
225.0	38.42	35.54	33.10	30.39	28.51	26.90	25.13	23.80	22.64
270.0	40.19	36.87	34.26	31.94	29.89	27.62	26.07	24.74	23.25
315.0	36.92	34.15	31.33	29.28	27.62	25.68	24.41	22.97	21.92
360.0	36.87	34.32	31.55	29.67	27.68	26.29	25.02	23.64	22.64

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	21.70	20.65	19.82	19.10	18.38	17.60	17.05	16.50	15.94
45.0	22.42	21.42	20.54	19.48	18.71	18.05	17.16	16.55	16.00
90.0	20.92	19.87	19.10	18.38	17.71	16.88	16.38	15.67	15.22
135.0	22.47	21.48	20.65	19.82	18.82	18.10	17.49	16.72	16.11
180.0	21.98	20.98	20.15	19.37	18.54	17.88	17.27	16.72	16.11
225.0	21.37	20.48	19.71	18.76	18.10	17.44	16.88	16.27	15.78
270.0	22.14	20.92	20.04	19.26	18.43	17.77	17.16	16.61	16.16
315.0	20.98	20.09	19.37	18.43	17.82	17.21	16.66	16.05	15.50
360.0	21.70	20.65	19.82	19.10	18.38	17.60	17.05	16.50	15.94

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	15.33	14.89	14.23	13.84	13.45	12.90	12.57	12.23	11.85
45.0	15.33	14.78	14.34	13.78	13.40	12.95	12.62	12.12	11.79
90.0	14.67	14.17	13.73	13.34	12.90	12.40	12.07	11.79	11.40
135.0	15.55	15.06	14.50	14.06	13.56	13.17	12.79	12.34	12.01
180.0	15.61	15.17	14.61	14.23	13.78	13.40	13.01	12.68	12.29
225.0	15.28	14.72	14.39	14.00	13.45	13.12	12.84	12.40	12.07
270.0	15.50	15.06	14.61	14.23	13.73	13.40	12.95	12.62	12.29
315.0	14.95	14.50	14.12	13.62	13.28	12.90	12.45	12.18	11.85
360.0	15.33	14.89	14.23	13.84	13.45	12.90	12.57	12.23	11.85

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	11.35	10.96	10.63	10.30	9.96	9.69	9.47	9.08	8.86
45.0	11.40	11.07	10.68	10.41	10.07	9.69	9.47	9.19	8.91
90.0	10.96	10.68	10.41	10.02	9.69	9.41	9.13	8.97	8.69
135.0	11.62	11.29	10.90	10.57	10.30	9.96	9.63	9.41	9.13
180.0	11.96	11.68	11.35	10.96	10.63	10.35	10.07	9.74	9.47
225.0	11.79	11.40	11.13	10.79	10.52	10.13	9.85	9.63	9.30
270.0	11.96	11.62	11.35	10.96	10.68	10.41	10.07	9.80	9.47
315.0	11.46	11.18	10.90	10.57	10.24	9.91	9.69	9.35	9.08
360.0	11.35	10.96	10.63	10.30	9.96	9.69	9.47	9.08	8.86

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.69	8.64	8.30	8.08	7.86	7.64	7.47	7.14	7.25
45.0	8.69	8.52	8.30	8.08	7.92	7.69	7.47	7.36	7.36
90.0	8.64	8.41	8.08	7.92	7.64	7.53	7.31	7.25	7.42
135.0	8.80	8.69	8.41	8.19	7.92	7.75	7.58	7.42	7.03
180.0	9.19	8.97	8.69	8.52	8.30	8.03	7.80	7.64	7.64
225.0	9.02	8.75	8.52	8.30	8.14	7.80	7.69	7.53	7.36
270.0	9.19	8.91	8.69	8.47	8.25	8.03	7.80	7.58	7.47
315.0	8.91	8.64	8.52	8.30	8.03	7.80	7.64	7.53	7.25
360.0	8.69	8.64	8.30	8.08	7.86	7.64	7.47	7.14	7.25

Intensity data(cd)

C/γ(°)	90.0
0.0	7.42
45.0	7.58
90.0	7.47
135.0	7.14
180.0	7.25
225.0	7.20
270.0	7.31
315.0	7.03
360.0	7.42