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

NT

Client:
LumCAT: 1-1379-L
Luminaire: 92.70.427.00
Report No: 20231110-B014
Ballast type: AC

Test No: 20231110-C014	Voltage(V): 34.720
LampCAT: Fortimo_SLM_C_1204	Current(A): 0.320
Lamp flux(lm): 1750.7	Power (W): 11.110
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1604.96, Efficiency(%): 91.68% , Luminous Efficacy(lm/W): 144.46
Central intensity(cd): 3651.400, Maximum intensity(cd): 3654.583
Angle of maximum intensity: C=0.0 γ=3.0
Beam Angle(50%Imax): [C0/180]Total=38.0
[C90/270]Total=38.0
Field angle(10%Imax): [C0/180]Total=61.0
[C90/270]Total=61.0
Beam angle of C0 plane : 37.94
Aveage BeamAngle(IEC 61341):37.94
Maximum s/h(1/2): C0_180=0.63 C90_270=0.63
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(%): 91.68%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.084%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	3651.400	0.000	0	0.00%	0.00%
1.0	3646.142	3.492	3.492	0.20%	0.22%
2.0	3648.909	10.471	13.962	0.60%	0.87%
3.0	3654.583	17.468	31.43	1.00%	1.96%
4.0	3644.066	24.431	55.861	1.40%	3.48%
5.0	3614.383	31.225	87.086	1.78%	5.43%
6.0	3564.495	37.727	124.813	2.16%	7.78%
7.0	3498.832	43.842	168.655	2.50%	10.51%
8.0	3417.116	49.496	218.151	2.83%	13.59%
9.0	3324.814	54.640	272.791	3.12%	17.00%
10.0	3211.408	59.150	331.941	3.38%	20.68%
11.0	3104.092	63.105	395.046	3.60%	24.61%
12.0	2966.607	66.361	461.408	3.79%	28.75%
13.0	2828.015	68.768	530.175	3.93%	33.03%
14.0	2670.534	70.381	600.556	4.02%	37.42%
15.0	2510.217	71.124	671.68	4.06%	41.85%
16.0	2334.607	70.990	742.67	4.06%	46.27%
17.0	2161.904	70.023	812.693	4.00%	50.64%
18.0	1992.038	68.489	881.182	3.91%	54.90%
19.0	1821.895	66.355	947.537	3.79%	59.04%
20.0	1645.109	63.456	1010.993	3.62%	62.99%
21.0	1423.487	58.923	1069.916	3.37%	66.66%
22.0	1246.653	53.658	1123.573	3.07%	70.01%
23.0	1156.496	50.425	1173.998	2.88%	73.15%
24.0	1026.664	47.732	1221.73	2.73%	76.12%
25.0	895.441	43.704	1265.434	2.50%	78.85%
26.0	776.168	39.459	1304.893	2.25%	81.30%
27.0	662.334	35.193	1340.086	2.01%	83.50%
28.0	564.690	31.066	1371.152	1.77%	85.43%
29.0	478.857	27.302	1398.454	1.56%	87.13%
30.0	401.321	23.765	1422.218	1.36%	88.61%
31.0	335.042	20.492	1442.71	1.17%	89.89%
32.0	279.979	17.620	1460.33	1.01%	90.99%
33.0	243.397	15.419	1475.749	0.88%	91.95%
34.0	202.283	13.488	1489.236	0.77%	92.79%
35.0	156.699	11.149	1500.385	0.64%	93.48%
36.0	125.895	8.998	1509.383	0.51%	94.04%
37.0	103.110	7.469	1516.852	0.43%	94.51%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	84.912	6.276	1523.127	0.36%	94.90%
39.0	70.562	5.307	1528.434	0.30%	95.23%
40.0	59.090	4.522	1532.956	0.26%	95.51%
41.0	50.476	3.902	1536.858	0.22%	95.76%
42.0	43.529	3.415	1540.273	0.20%	95.97%
43.0	38.492	3.038	1543.311	0.17%	96.16%
44.0	34.402	2.751	1546.062	0.16%	96.33%
45.0	31.088	2.517	1548.579	0.14%	96.49%
46.0	28.521	2.331	1550.911	0.13%	96.63%
47.0	26.293	2.180	1553.091	0.12%	96.77%
48.0	24.529	2.054	1555.145	0.12%	96.90%
49.0	22.903	1.948	1557.093	0.11%	97.02%
50.0	21.560	1.854	1558.947	0.11%	97.13%
51.0	20.322	1.772	1560.719	0.10%	97.24%
52.0	19.270	1.699	1562.418	0.10%	97.35%
53.0	18.343	1.636	1564.054	0.09%	97.45%
54.0	17.499	1.580	1565.633	0.09%	97.55%
55.0	16.758	1.529	1567.163	0.09%	97.64%
56.0	16.080	1.484	1568.646	0.08%	97.74%
57.0	15.492	1.444	1570.09	0.08%	97.83%
58.0	14.918	1.406	1571.496	0.08%	97.91%
59.0	14.447	1.373	1572.869	0.08%	98.00%
60.0	14.004	1.344	1574.213	0.08%	98.08%
61.0	13.582	1.316	1575.53	0.08%	98.17%
62.0	13.209	1.291	1576.821	0.07%	98.25%
63.0	12.835	1.267	1578.087	0.07%	98.33%
64.0	12.503	1.243	1579.331	0.07%	98.40%
65.0	12.205	1.223	1580.554	0.07%	98.48%
66.0	11.908	1.203	1581.757	0.07%	98.55%
67.0	11.617	1.183	1582.94	0.07%	98.63%
68.0	11.354	1.164	1584.103	0.07%	98.70%
69.0	11.105	1.146	1585.249	0.07%	98.77%
70.0	10.884	1.129	1586.378	0.06%	98.84%
71.0	10.642	1.113	1587.491	0.06%	98.91%
72.0	10.406	1.094	1588.585	0.06%	98.98%
73.0	10.150	1.075	1589.66	0.06%	99.05%
74.0	9.901	1.054	1590.714	0.06%	99.11%
75.0	9.666	1.034	1591.748	0.06%	99.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.431	1.014	1592.762	0.06%	99.24%
77.0	9.196	0.993	1593.755	0.06%	99.30%
78.0	8.967	0.972	1594.727	0.06%	99.36%
79.0	8.753	0.952	1595.68	0.05%	99.42%
80.0	8.552	0.933	1596.613	0.05%	99.48%
81.0	8.351	0.914	1597.527	0.05%	99.54%
82.0	8.165	0.896	1598.422	0.05%	99.59%
83.0	7.957	0.876	1599.299	0.05%	99.65%
84.0	7.777	0.857	1600.156	0.05%	99.70%
85.0	7.597	0.839	1600.995	0.05%	99.75%
86.0	7.438	0.822	1601.817	0.05%	99.80%
87.0	7.307	0.807	1602.624	0.05%	99.85%
88.0	7.161	0.793	1603.416	0.05%	99.90%
89.0	7.037	0.778	1604.195	0.04%	99.95%
90.0	6.954	0.767	1604.962	0.04%	100.00%

Zonal flux distribution table

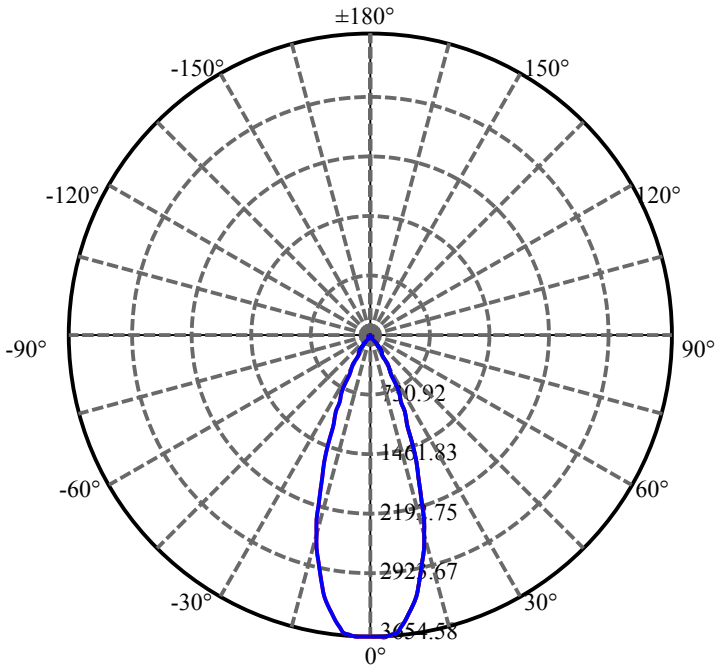
ZONAL LUMEN SUMMARY

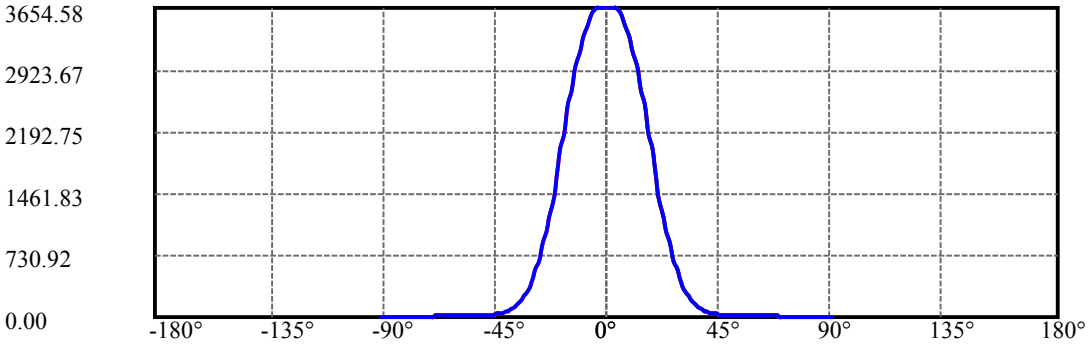
Zone	Lumens	%Lamp	%Fixt
0-30	1422.22	81.24%	88.61%
0-40	1532.96	87.56%	95.51%
0-60	1574.21	89.92%	98.08%
0-90	1604.19	91.63%	99.95%
0-120	1604.19	91.63%	99.95%
0-180	1604.96	91.68%	100.00%
60-90	29.98	1.71%	1.87%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-25.47	1283.97	73.34%	80.00%

ZONAL LUMEN SUMMARY

0-10	331.94
10-20	679.05
20-30	411.23
30-40	110.74
40-50	25.99
50-60	15.27
60-70	12.17
70-80	10.23
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):

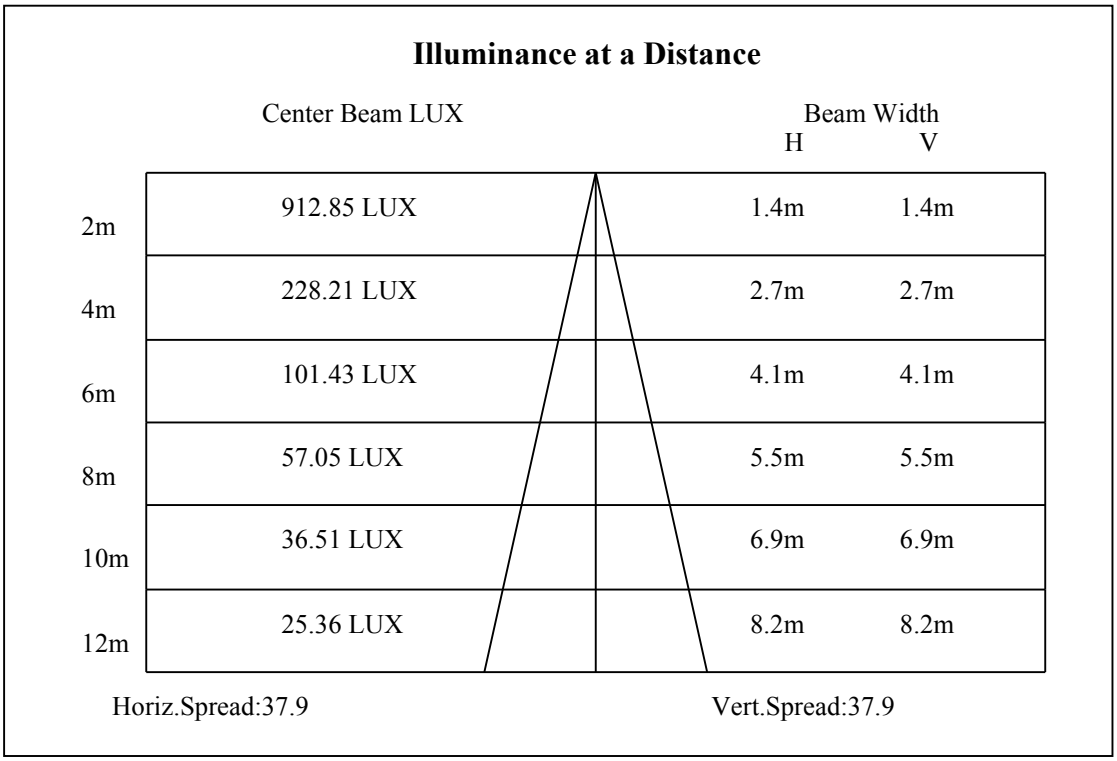
C0/C180:

C90/C270:

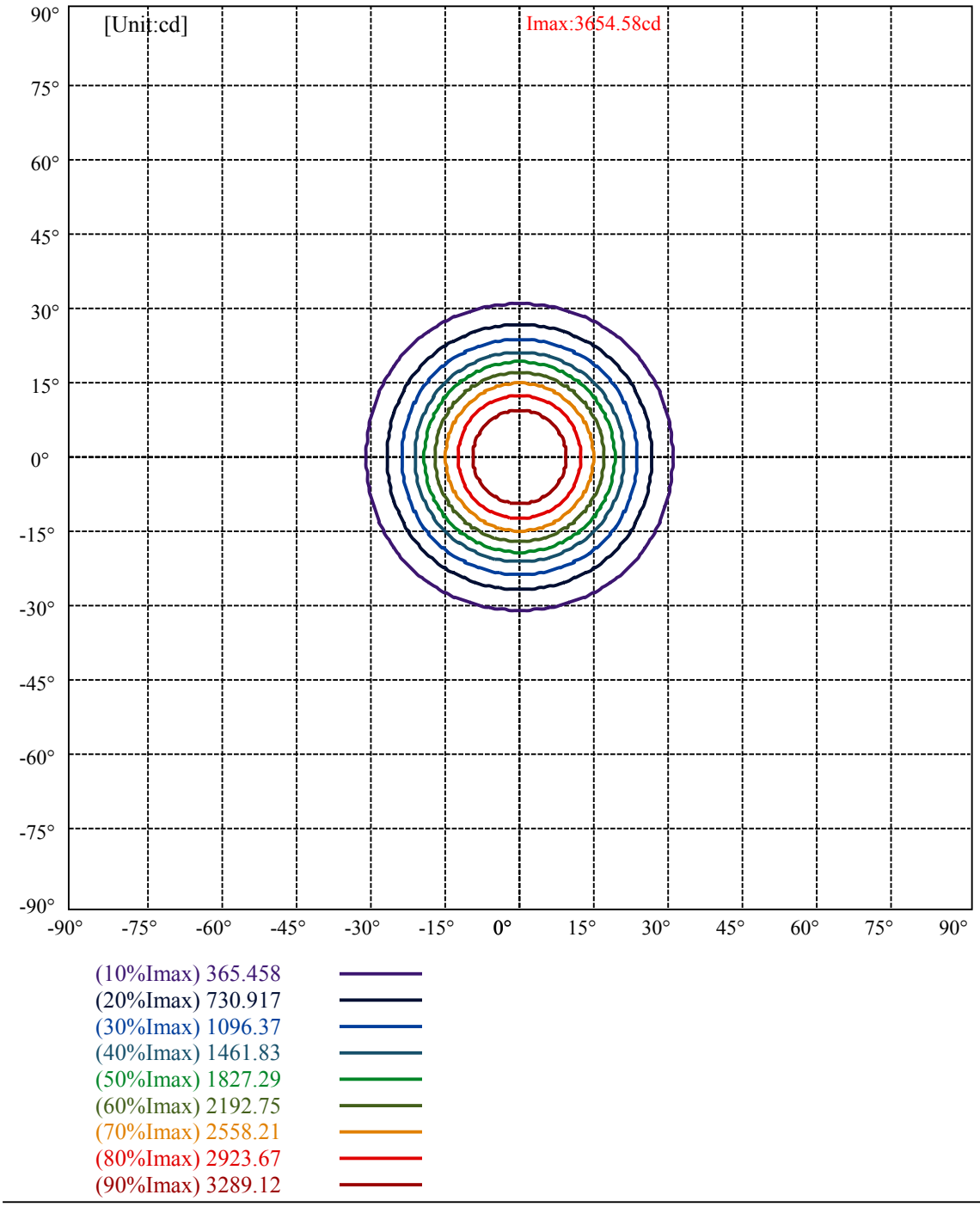
Field angle(10%Imax):C0/180Left:33.5 Right:27.5
:C90/270Left:33.5 Right:27.5

Beam Angle(50%Imax):C0/180Left:22.0 Right:16.0
:C90/270Left:22.0 Right:16.0

Lux distance Curve



ISO-Intensity(V-H)



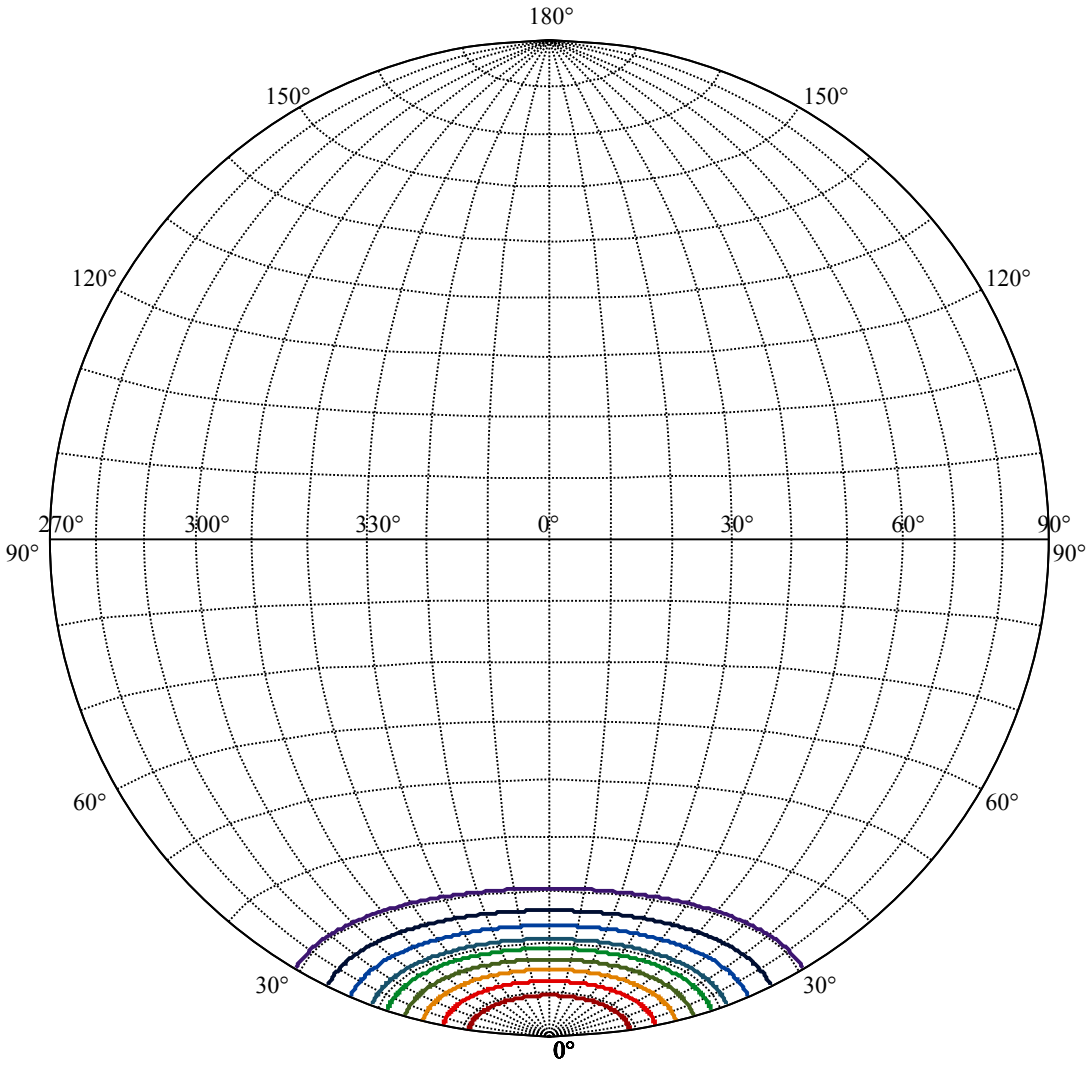
(10%Imax) 365.458
(20%Imax) 730.917
(30%Imax) 1096.37
(40%Imax) 1461.83
(50%Imax) 1827.29
(60%Imax) 2192.75
(70%Imax) 2558.21
(80%Imax) 2923.67
(90%Imax) 3289.12

Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/10
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

ISO candela diagram on circular web



[Unit:cd]

Imax:3654.58

(10%Imax) 365.458
(20%Imax) 730.917
(30%Imax) 1096.37
(40%Imax) 1461.83
(50%Imax) 1827.29
(60%Imax) 2192.75
(70%Imax) 2558.21
(80%Imax) 2923.67
(90%Imax) 3289.12

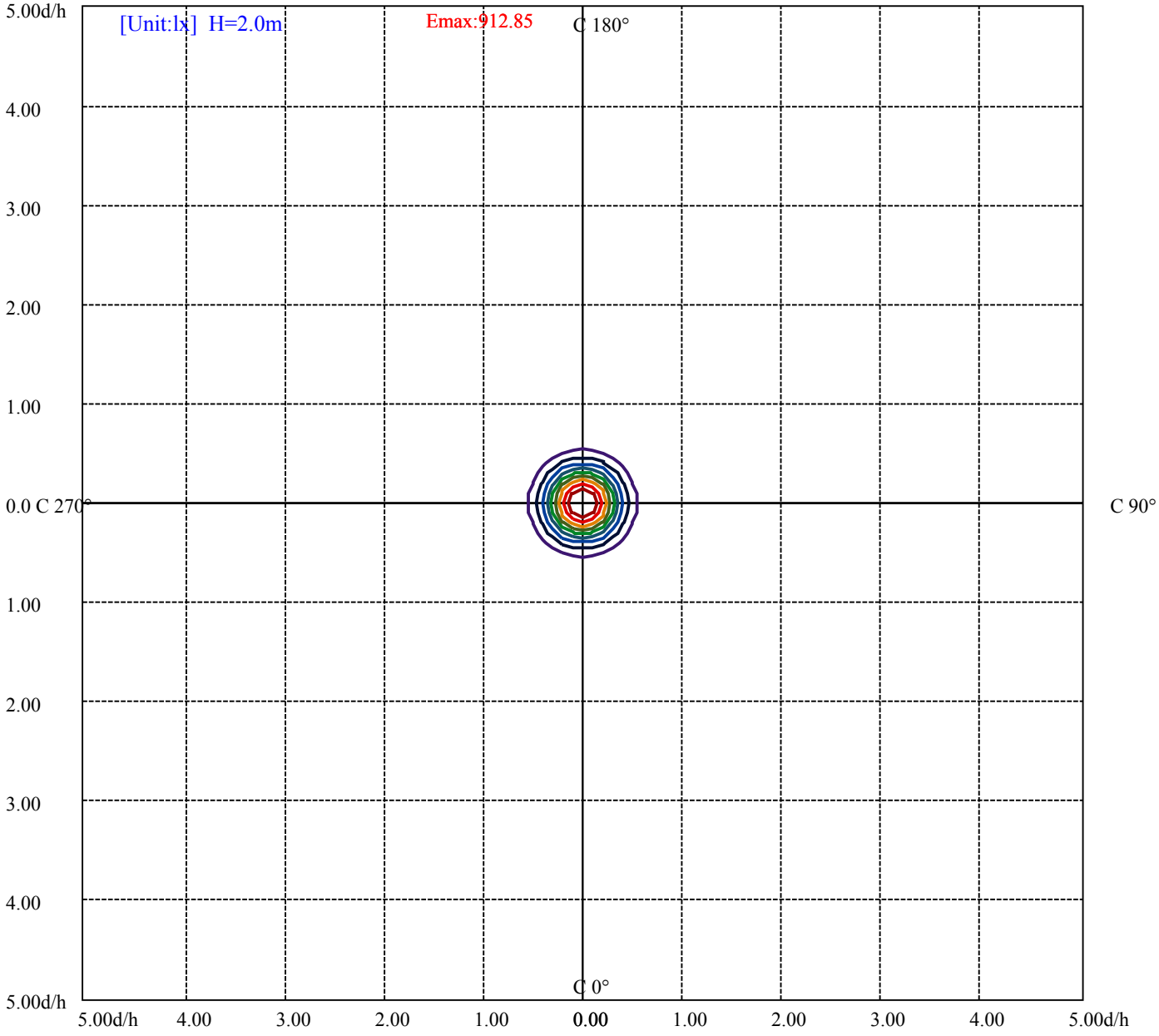
Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/10
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1379-L

ISO illuminance diagram

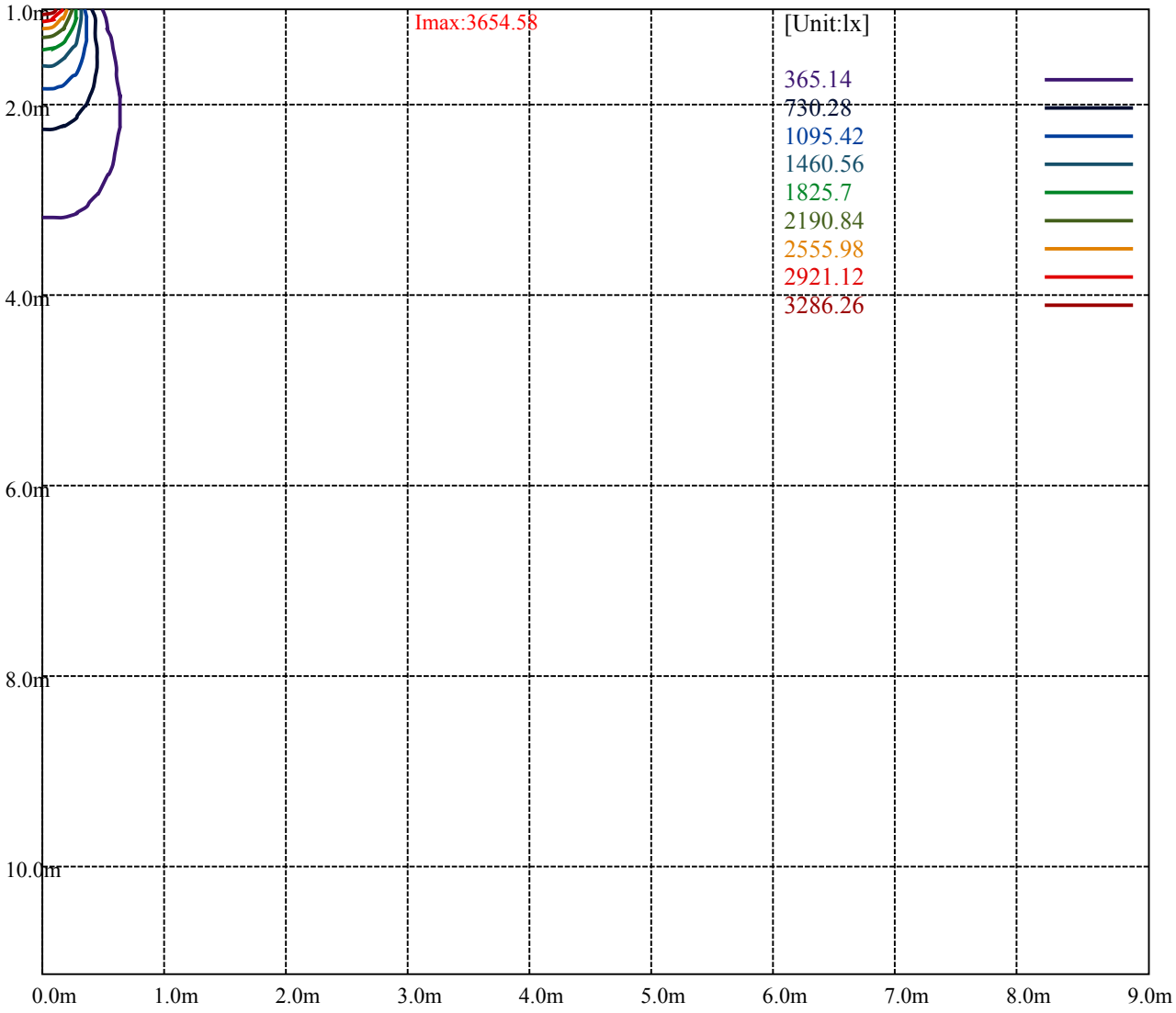


Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/10
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/10
Humidity(%): 0.0%

Operator: NT07
Distance(m): 7.44

NT 1-1379-L

Luminance Limitting Curve(no luminous side)

Luminance Table

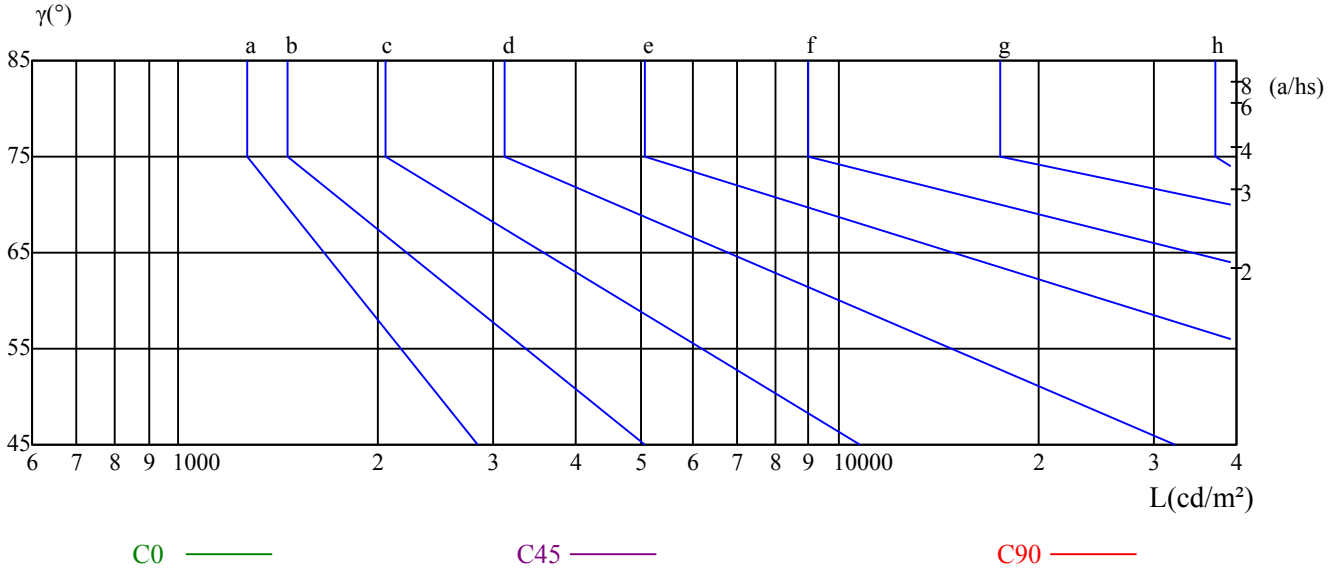
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

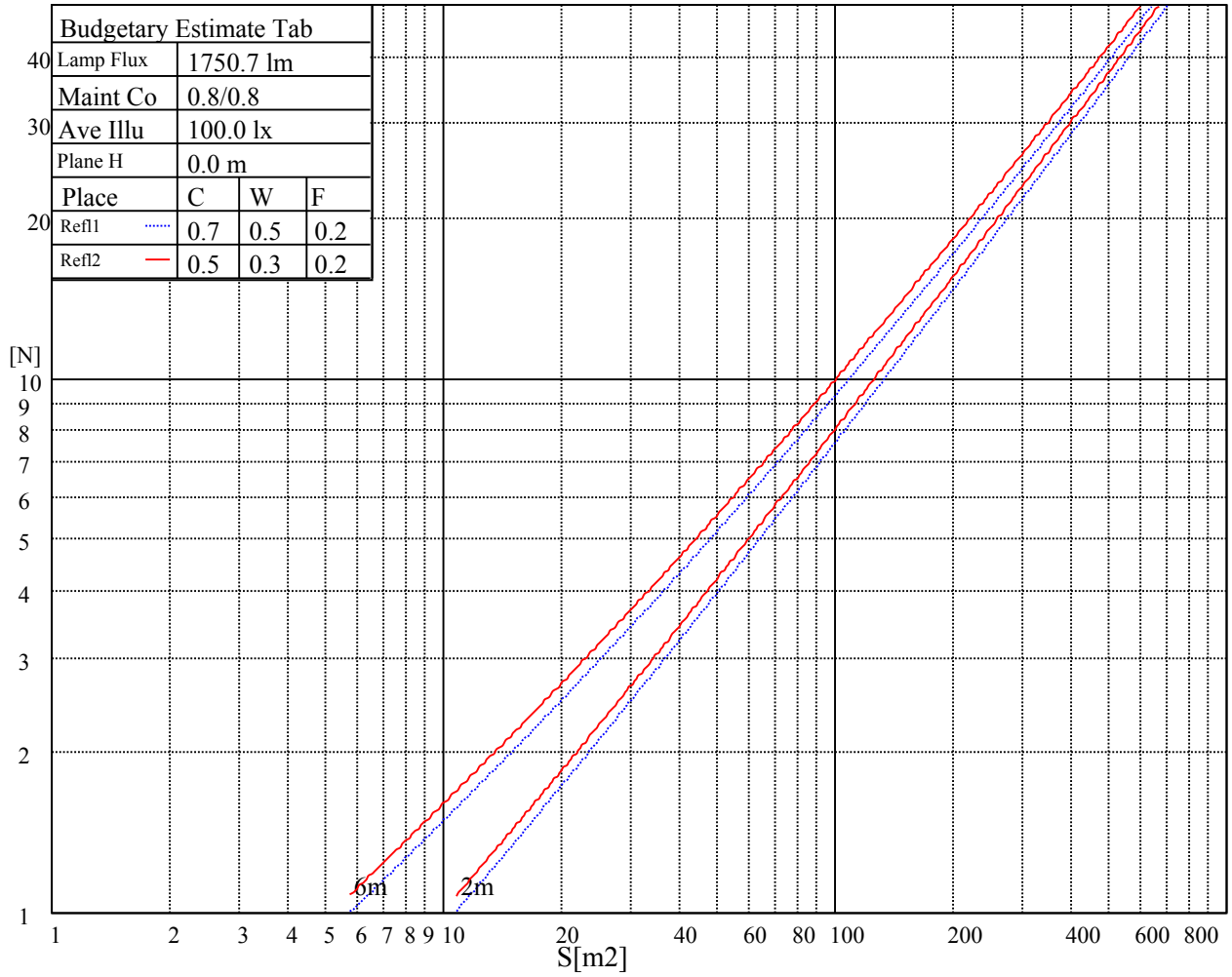
Luminance Limitting Curve



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

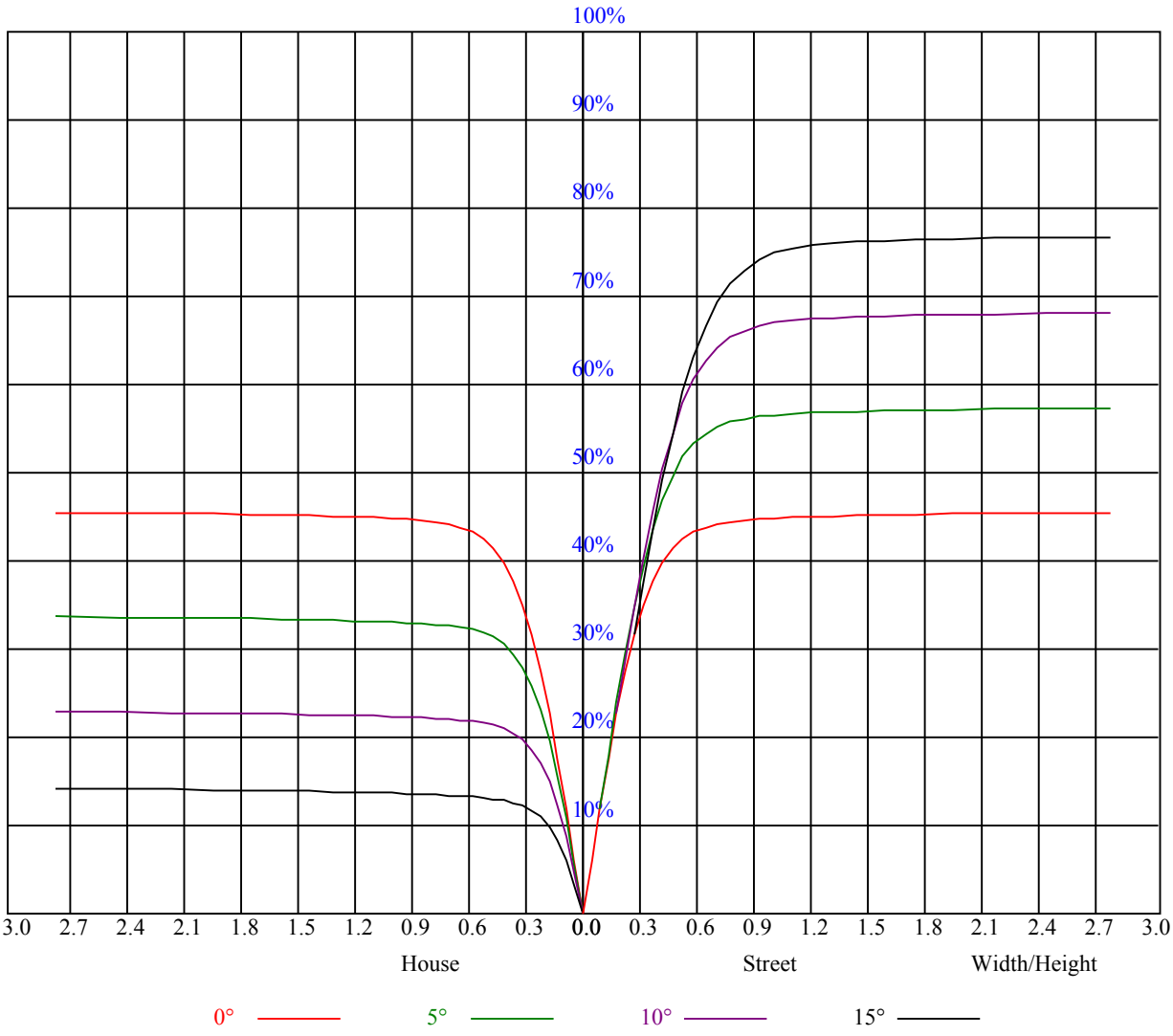


Equipment: GMS1980 Date: 2023/11/10 Operator: NT07
Temperature(°C): 0.0 Humidity(%): 0.0% Distance(m): 7.44

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	1.02	1.00	0.98	1.00	0.98	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87
2	0.96	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.85	0.87	0.85	0.84	0.82
3	0.91	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.85	0.83	0.81	0.83	0.81	0.80	0.78
4	0.87	0.82	0.79	0.86	0.82	0.78	0.84	0.80	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.75
5	0.82	0.78	0.75	0.82	0.77	0.74	0.80	0.76	0.74	0.79	0.75	0.73	0.77	0.75	0.72	0.71
6	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.74	0.71	0.69	0.68
7	0.75	0.71	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65
8	0.72	0.68	0.65	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.63
9	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.67	0.63	0.61	0.60
10	0.67	0.62	0.59	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.58

Coefficient Utilization Curve



Equipment: GMS1980
Temperature(°C): 0.0

Date: 2023/11/10
Humidity(%): 0.0%

Operator: NT07
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	3651.68	3656.66	3679.35	3677.69	3637.29	3597.98	3534.88	3437.46	3351.66
45.0	3650.02	3645.59	3657.21	3677.14	3672.16	3642.82	3599.64	3537.10	3457.94
90.0	3648.36	3643.93	3656.11	3648.91	3627.32	3590.79	3504.99	3436.35	3350.00
135.0	3655.55	3641.16	3645.03	3660.53	3650.57	3621.79	3569.20	3513.29	3433.03
180.0	3651.68	3651.68	3648.36	3647.80	3652.23	3642.27	3618.46	3563.66	3485.62
225.0	3650.02	3634.52	3625.11	3631.75	3617.91	3586.36	3527.68	3456.83	3378.78
270.0	3648.36	3656.11	3636.18	3629.54	3639.50	3609.05	3581.38	3547.61	3460.15
315.0	3655.55	3639.50	3643.93	3663.30	3655.55	3624.00	3579.72	3498.35	3419.75
360.0	3651.68	3656.66	3679.35	3677.69	3637.29	3597.98	3534.88	3437.46	3351.66

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3255.35	3116.96	2993.52	2857.91	2663.06	2503.64	2341.46	2178.72	1971.14
45.0	3367.71	3278.59	3171.76	3023.97	2890.56	2736.13	2586.67	2384.08	2217.47
90.0	3249.81	3116.41	2992.97	2859.01	2717.86	2527.45	2362.49	2148.83	1988.85
135.0	3349.45	3219.92	3114.19	2958.10	2822.48	2669.15	2518.04	2317.10	2153.81
180.0	3405.35	3302.95	3211.62	3107.55	2989.09	2836.32	2699.60	2552.91	2391.28
225.0	3264.76	3169.55	3054.97	2899.98	2777.09	2636.49	2450.50	2291.09	2128.90
270.0	3379.34	3289.11	3196.12	3055.52	2928.21	2804.77	2633.17	2472.09	2268.39
315.0	3326.75	3197.78	3097.59	2970.83	2835.76	2650.33	2489.80	2332.05	2175.40
360.0	3255.35	3116.96	2993.52	2857.91	2663.06	2503.64	2341.46	2178.72	1971.14

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1808.40	1642.34	1445.84	1077.18	1077.18	979.65	853.22	743.73	620.68
45.0	2051.40	1886.45	1687.73	1524.99	1335.13	1187.33	1050.61	892.85	774.40
90.0	1833.31	1632.38	1480.71	1083.82	1083.82	1018.06	896.51	783.14	678.47
135.0	1998.26	1846.04	1657.84	1502.30	1351.18	1210.03	1045.08	922.74	808.72
180.0	2200.31	2045.32	1886.45	1717.62	1513.37	1380.52	1227.74	1067.22	933.26
225.0	1966.71	1765.23	1610.24	1453.59	1096.11	1096.11	1002.23	885.55	751.98
270.0	2107.87	1946.79	1740.87	1575.36	1424.25	1288.08	1142.50	990.83	874.03
315.0	1970.03	1810.62	1651.20	1453.03	1092.18	1092.18	995.42	877.47	767.81
360.0	1808.40	1642.34	1445.84	1077.18	1077.18	979.65	853.22	743.73	620.68

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	531.62	453.46	385.37	311.42	261.32	218.54	173.75	144.36	119.18
45.0	665.35	545.79	463.31	393.56	332.68	280.09	280.09	185.88	155.43
90.0	559.96	477.26	406.02	328.97	276.05	231.43	185.27	154.22	122.94
135.0	676.97	580.11	475.49	403.53	339.87	285.62	285.62	187.54	155.88
180.0	799.86	687.49	598.37	493.20	416.26	352.60	280.64	280.64	225.18
225.0	656.22	546.95	468.29	398.82	323.71	271.84	226.89	188.76	148.57
270.0	763.33	669.78	556.30	476.59	404.63	328.25	287.84	287.84	176.85
315.0	645.37	556.69	477.70	404.47	325.81	271.45	227.06	189.03	149.57
360.0	531.62	453.46	385.37	311.42	261.32	218.54	173.75	144.36	119.18

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	98.92	78.71	65.54	55.13	45.83	40.41	35.20	31.88	29.17
45.0	123.22	102.29	85.08	71.35	58.07	50.26	42.90	38.19	34.26
90.0	103.23	87.13	73.95	61.33	53.53	47.44	42.46	37.20	33.60
135.0	128.86	101.52	84.14	70.13	59.17	49.26	43.34	38.75	34.21
180.0	159.70	132.46	105.12	87.74	73.56	62.16	51.15	44.62	38.47
225.0	123.38	103.40	86.57	69.58	59.17	51.15	43.40	38.75	35.09
270.0	145.64	115.97	96.37	80.43	67.75	55.24	47.83	42.12	37.47
315.0	124.21	103.40	82.53	68.80	55.63	47.88	41.96	36.42	32.94
360.0	98.92	78.71	65.54	55.13	45.83	40.41	35.20	31.88	29.17

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	27.01	24.69	23.19	21.92	20.76	19.48	18.60	17.77	17.10
45.0	30.39	27.95	25.91	24.19	22.42	21.15	20.04	19.10	18.05
90.0	30.72	28.45	26.02	24.36	22.58	21.37	20.26	19.04	18.16
135.0	31.16	28.12	26.18	24.52	23.03	21.48	20.37	19.43	18.54
180.0	34.82	31.88	28.78	26.68	24.91	23.41	21.81	20.65	19.60
225.0	31.44	29.01	26.90	24.74	23.25	21.92	20.76	19.43	18.49
270.0	32.99	30.17	27.84	25.91	23.80	22.42	20.87	19.82	18.82
315.0	30.17	27.90	25.52	23.91	22.47	21.26	19.87	18.93	17.99
360.0	27.01	24.69	23.19	21.92	20.76	19.48	18.60	17.77	17.10

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	16.33	15.78	15.17	14.67	14.23	13.78	13.45	13.06	12.73
45.0	17.33	16.66	15.94	15.39	14.72	14.28	13.89	13.56	13.12
90.0	17.44	16.72	15.94	15.33	14.83	14.34	13.84	13.45	13.12
135.0	17.55	16.83	16.27	15.61	15.06	14.61	14.17	13.67	13.28
180.0	18.71	17.66	16.94	16.38	15.67	15.17	14.61	14.12	13.73
225.0	17.66	16.94	16.16	15.55	15.06	14.45	14.06	13.56	13.23
270.0	17.77	17.05	16.38	15.78	15.11	14.67	14.23	13.78	13.34
315.0	17.21	16.44	15.83	15.22	14.67	14.28	13.78	13.45	13.12
360.0	16.33	15.78	15.17	14.67	14.23	13.78	13.45	13.06	12.73

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	12.40	12.07	11.85	11.57	11.24	11.02	10.79	10.63	10.30
45.0	12.79	12.45	12.18	11.85	11.62	11.35	11.07	10.85	10.63
90.0	12.68	12.45	12.12	11.79	11.57	11.18	11.02	10.79	10.57
135.0	12.90	12.57	12.29	11.96	11.68	11.46	11.18	10.90	10.68
180.0	13.28	12.95	12.62	12.34	11.96	11.73	11.46	11.24	10.90
225.0	12.84	12.51	12.18	11.90	11.62	11.40	11.07	10.85	10.68
270.0	13.01	12.68	12.29	12.01	11.68	11.40	11.18	10.96	10.74
315.0	12.79	12.34	12.12	11.85	11.57	11.29	11.07	10.85	10.63
360.0	12.40	12.07	11.85	11.57	11.24	11.02	10.79	10.63	10.30

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	10.13	9.80	9.58	9.35	9.08	8.86	8.69	8.52	8.30
45.0	10.35	10.07	9.85	9.63	9.41	9.19	8.91	8.69	8.52
90.0	10.24	10.02	9.85	9.58	9.30	9.08	8.86	8.69	8.41
135.0	10.46	10.24	9.91	9.74	9.47	9.24	8.97	8.75	8.58
180.0	10.74	10.52	10.24	9.96	9.74	9.47	9.24	9.02	8.75
225.0	10.41	10.19	9.91	9.63	9.47	9.19	8.97	8.75	8.58
270.0	10.52	10.30	10.02	9.74	9.52	9.35	9.13	8.86	8.69
315.0	10.41	10.07	9.85	9.69	9.47	9.19	8.97	8.75	8.58
360.0	10.13	9.80	9.58	9.35	9.08	8.86	8.69	8.52	8.30

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	7.58	7.42	7.31	7.14	6.97	6.92
45.0	8.30	8.08	7.92	7.69	7.58	7.42	7.31	7.20	6.97
90.0	8.30	8.14	7.86	7.69	7.47	7.31	7.25	7.09	7.03
135.0	8.41	8.19	7.97	7.80	7.58	7.42	7.31	7.20	6.97
180.0	8.58	8.36	8.14	7.97	7.75	7.58	7.47	7.31	7.20
225.0	8.30	8.14	7.97	7.75	7.64	7.47	7.31	7.20	7.03
270.0	8.47	8.30	8.08	7.92	7.69	7.53	7.36	7.20	7.14
315.0	8.36	8.14	7.97	7.80	7.64	7.47	7.31	7.14	7.03
360.0	8.08	7.97	7.75	7.58	7.42	7.31	7.14	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	6.92
180.0	6.97
225.0	6.97
270.0	6.92
315.0	6.92
360.0	6.97