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

NATA

LumCAT: 3-2031-M
Luminaire: 92.70.124.00
Report No: NATA0100
Test No: GC2019021817
LampCAT: BRIDGELUX V10B
Lamp flux(lm): 1497.0
Number of Lamps: 1
Length(mm): 79
Phm Type: C

Voltage(V): 33.9000
Current(A): 0.3000
Power (W): 10.1700
PF: 0.0000
Ballast type: DC
Width(mm): 79
Height(mm): 0

Photometric Results

Lumens(lm): 1315.72
Efficiency(%): 87.89%
Lumens(lm)/Power(W): 129.73
Central intensity(cd): 15598.830
Maximum intensity(cd): 15598.830
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=11.2
[C90/270]Total=11.2
Field angle(10%Imax): [C0/180]Total=22.2
[C90/270]Total=22.2
Maximum s/h(1/2): C0_180=0.19 C90_270=0.19
Maximum s/h(1/4): C0_180=0.20 C90_270=0.20
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 88.14%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.504%

Equipment: GMS1980
Temperature(°C): 10.0
Date: 2019/2/18
Humidity(%): 65.0%
Operator: NT07
Distance(m): 7.50

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	15598.828	3.732	3.732	.249%	.284%
1.0	15198.750	29.088	32.82	1.943%	2.494%
2.0	13971.164	53.469	86.289	3.572%	6.558%
3.0	12468.797	71.561	157.85	4.780%	11.997%
4.0	10559.180	80.773	238.623	5.396%	18.136%
5.0	8814.445	84.245	322.868	5.628%	24.539%
6.0	7051.219	80.826	403.694	5.399%	30.682%
7.0	5292.563	70.731	474.425	4.725%	36.058%
8.0	3977.086	60.698	535.123	4.055%	40.671%
9.0	3013.805	51.701	586.824	3.454%	44.601%
10.0	1988.016	37.857	624.681	2.529%	47.478%
11.0	1599.265	33.463	658.144	2.235%	50.021%
12.0	1184.906	27.016	685.16	1.805%	52.075%
13.0	989.374	24.406	709.566	1.630%	53.930%
14.0	857.426	22.747	732.313	1.520%	55.659%
15.0	772.066	21.913	754.226	1.464%	57.324%
16.0	705.312	21.319	775.545	1.424%	58.944%
17.0	668.264	21.426	796.971	1.431%	60.573%
18.0	640.308	21.698	818.669	1.449%	62.222%
19.0	617.077	22.031	840.7	1.472%	63.896%
20.0	599.351	22.479	863.179	1.502%	65.605%
21.0	584.191	22.958	886.137	1.534%	67.350%
22.0	570.431	23.433	909.57	1.565%	69.131%
23.0	559.751	23.984	933.555	1.602%	70.954%
24.0	548.761	24.476	958.031	1.635%	72.814%
25.0	537.729	24.921	982.952	1.665%	74.708%
26.0	528.764	25.419	1008.371	1.698%	76.640%
27.0	519.722	25.874	1034.245	1.728%	78.607%
28.0	509.632	26.237	1060.482	1.753%	80.601%
29.0	500.456	26.607	1087.089	1.777%	82.623%
30.0	491.541	26.951	1114.04	1.800%	84.671%
31.0	481.634	27.202	1141.243	1.817%	86.739%
32.0	470.384	27.335	1168.577	1.826%	88.816%
33.0	452.742	27.040	1195.618	1.806%	90.872%
34.0	407.517	24.990	1220.607	1.669%	92.771%
35.0	343.427	21.601	1242.208	1.443%	94.413%
36.0	280.273	18.066	1260.274	1.207%	95.786%
37.0	189.464	12.504	1272.778	.835%	96.736%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	106.734	7.206	1279.984	.481%	97.284%
39.0	54.105	3.734	1283.718	.249%	97.567%
40.0	25.847	1.822	1285.54	.122%	97.706%
41.0	17.466	1.257	1286.796	.084%	97.801%
42.0	12.973	0.952	1287.748	.064%	97.874%
43.0	10.856	0.812	1288.56	.054%	97.935%
44.0	10.062	0.766	1289.327	.051%	97.994%
45.0	9.555	0.741	1290.067	.049%	98.050%
46.0	9.176	0.724	1290.791	.048%	98.105%
47.0	8.852	0.710	1291.501	.047%	98.159%
48.0	8.543	0.696	1292.197	.047%	98.212%
49.0	8.248	0.683	1292.88	.046%	98.264%
50.0	7.945	0.667	1293.548	.045%	98.315%
51.0	7.720	0.658	1294.205	.044%	98.365%
52.0	7.488	0.647	1294.853	.043%	98.414%
53.0	7.249	0.635	1295.487	.042%	98.462%
54.0	7.038	0.624	1296.112	.042%	98.509%
55.0	6.827	0.613	1296.725	.041%	98.556%
56.0	6.645	0.604	1297.329	.040%	98.602%
57.0	6.462	0.594	1297.924	.040%	98.647%
58.0	6.314	0.587	1298.511	.039%	98.692%
59.0	6.188	0.582	1299.092	.039%	98.736%
60.0	6.054	0.575	1299.667	.038%	98.780%
61.0	5.934	0.569	1300.236	.038%	98.823%
62.0	5.836	0.565	1300.801	.038%	98.866%
63.0	5.730	0.560	1301.361	.037%	98.908%
64.0	5.653	0.557	1301.919	.037%	98.951%
65.0	5.576	0.554	1302.473	.037%	98.993%
66.0	5.505	0.552	1303.024	.037%	99.035%
67.0	5.442	0.549	1303.574	.037%	99.077%
68.0	5.379	0.547	1304.121	.037%	99.118%
69.0	5.330	0.546	1304.666	.036%	99.160%
70.0	5.302	0.546	1305.212	.036%	99.201%
71.0	5.231	0.542	1305.755	.036%	99.242%
72.0	5.196	0.542	1306.297	.036%	99.284%
73.0	5.168	0.542	1306.839	.036%	99.325%
74.0	5.147	0.543	1307.381	.036%	99.366%
75.0	5.126	0.543	1307.924	.036%	99.407%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.098	0.542	1308.467	.036%	99.448%
77.0	5.063	0.541	1309.008	.036%	99.490%
78.0	5.048	0.542	1309.549	.036%	99.531%
79.0	5.027	0.541	1310.09	.036%	99.572%
80.0	4.999	0.540	1310.63	.036%	99.613%
81.0	4.985	0.540	1311.17	.036%	99.654%
82.0	4.985	0.541	1311.711	.036%	99.695%
83.0	4.957	0.540	1312.251	.036%	99.736%
84.0	4.936	0.538	1312.789	.036%	99.777%
85.0	4.908	0.536	1313.325	.036%	99.818%
86.0	4.887	0.535	1313.86	.036%	99.858%
87.0	4.880	0.534	1314.394	.036%	99.899%
88.0	4.859	0.532	1314.927	.036%	99.939%
89.0	4.838	0.530	1315.457	.035%	99.980%
90.0	4.852	0.266	1315.723	.018%	100.000%

Zonal flux distribution table

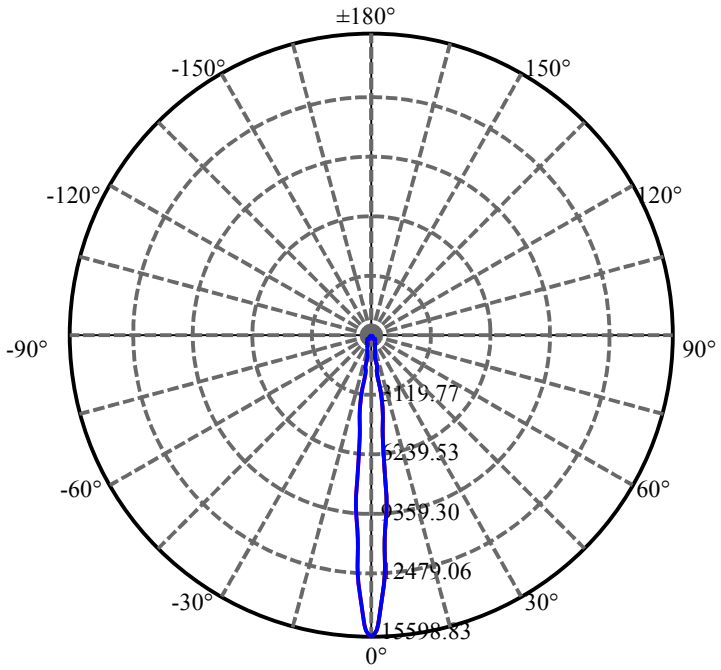
ZONAL LUMEN SUMMARY

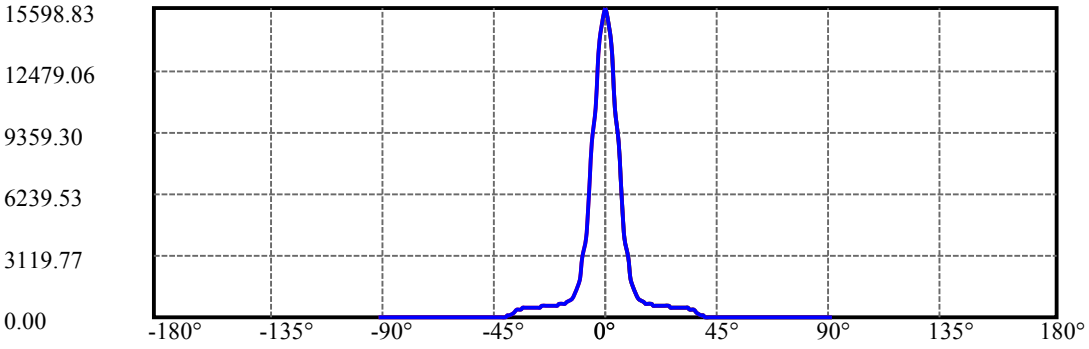
Zone	Lumens	%Lamp	%Fixt
0-30	1114.04	74.42%	84.67%
0-40	1285.54	85.87%	97.71%
0-60	1299.67	86.82%	98.78%
0-90	1315.46	87.87%	99.98%
0-120	1315.46	87.87%	99.98%
0-180	1315.72	87.89%	100.00%
60-90	16.37	1.09%	1.24%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-27.70	1052.58	70.31%	80.00%

ZONAL LUMEN SUMMARY

0-10	624.68
10-20	238.50
20-30	250.86
30-40	171.50
40-50	8.01
50-60	6.12
60-70	5.55
70-80	5.42
80-90	4.83
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:11.1 Right:11.1
:C90/270Left:11.1 Right:11.1

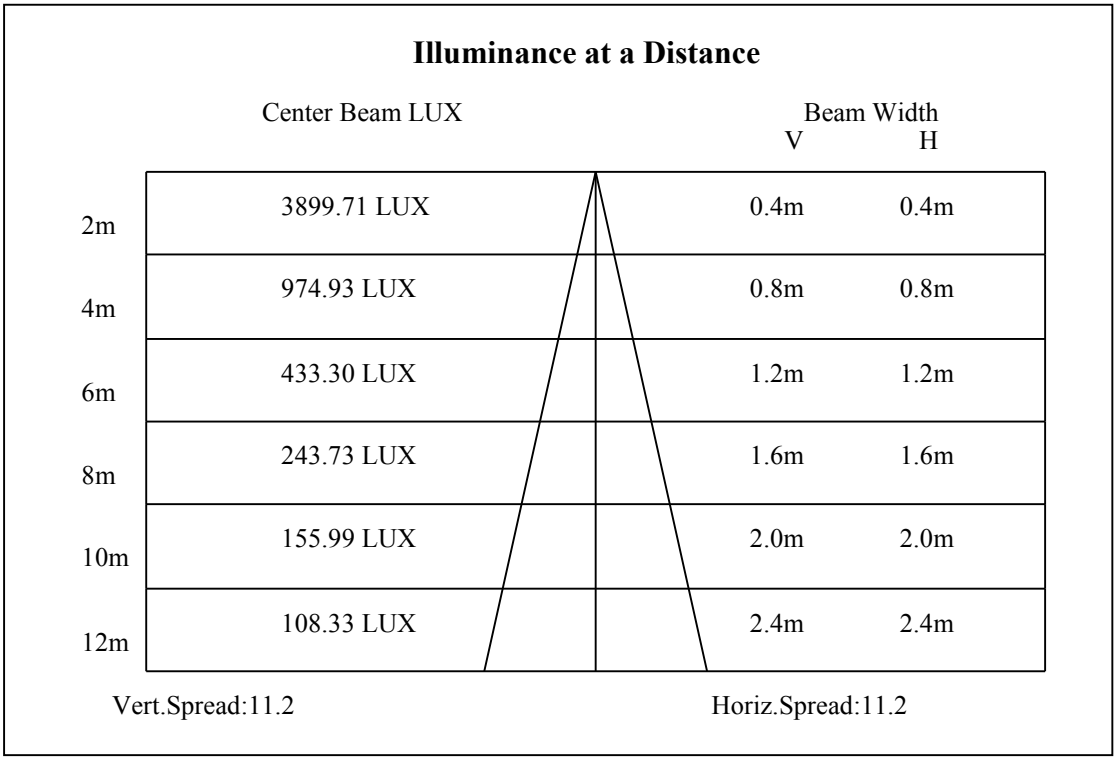
Beam Angle(50%Imax):C0/180Left:5.6 Right:5.6
:C90/270Left:5.6 Right:5.6

Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/2/18
Humidity(%): 65.0%

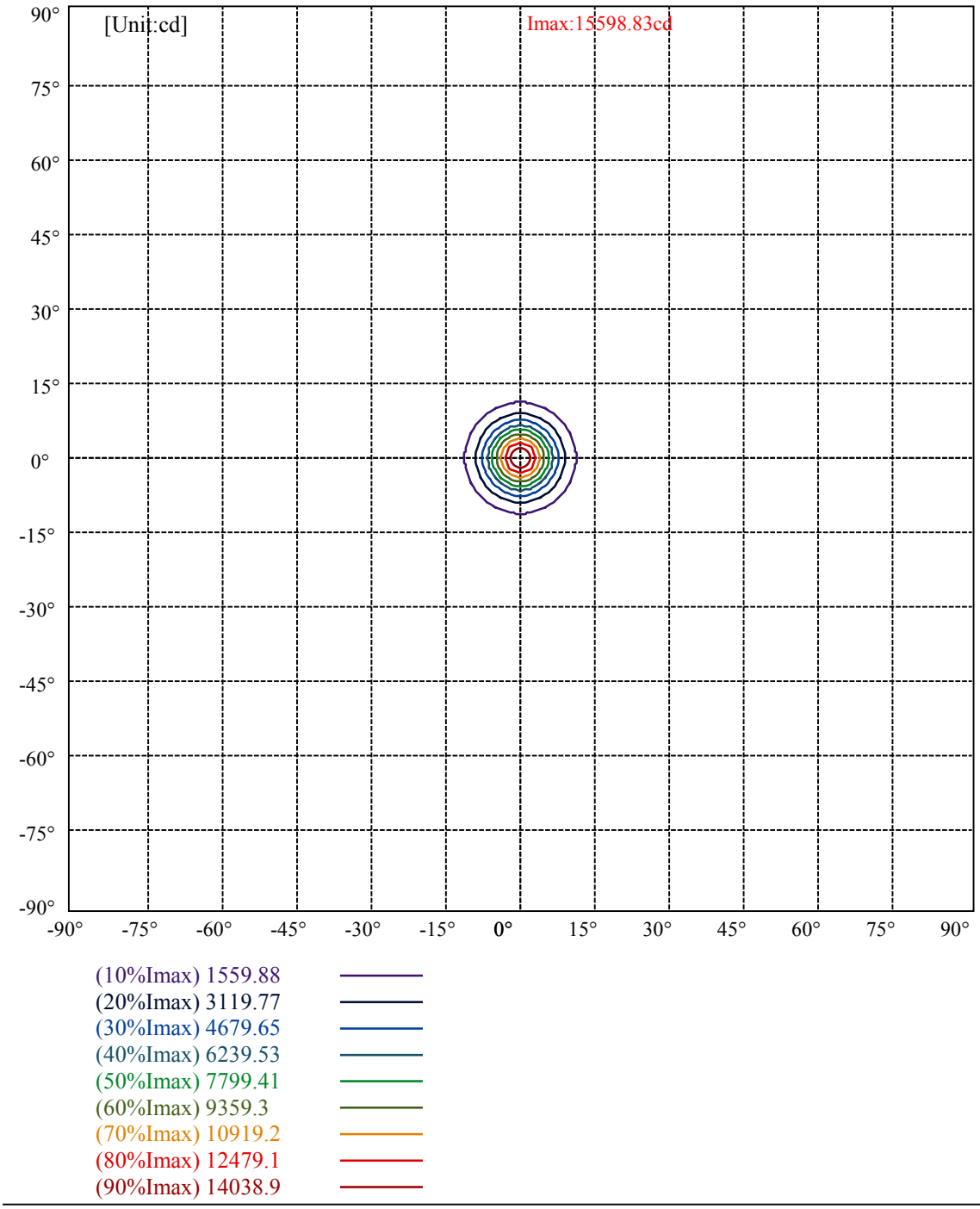
Operator: NT07
Distance(m): 7.50

Lux distance Curve



Equipment: GMS1980 Date: 2019/2/18 Operator: NT07
Temperature(°C): 10.0 Humidity(%): 65.0% Distance(m): 7.50

ISO-Intensity(V-H)

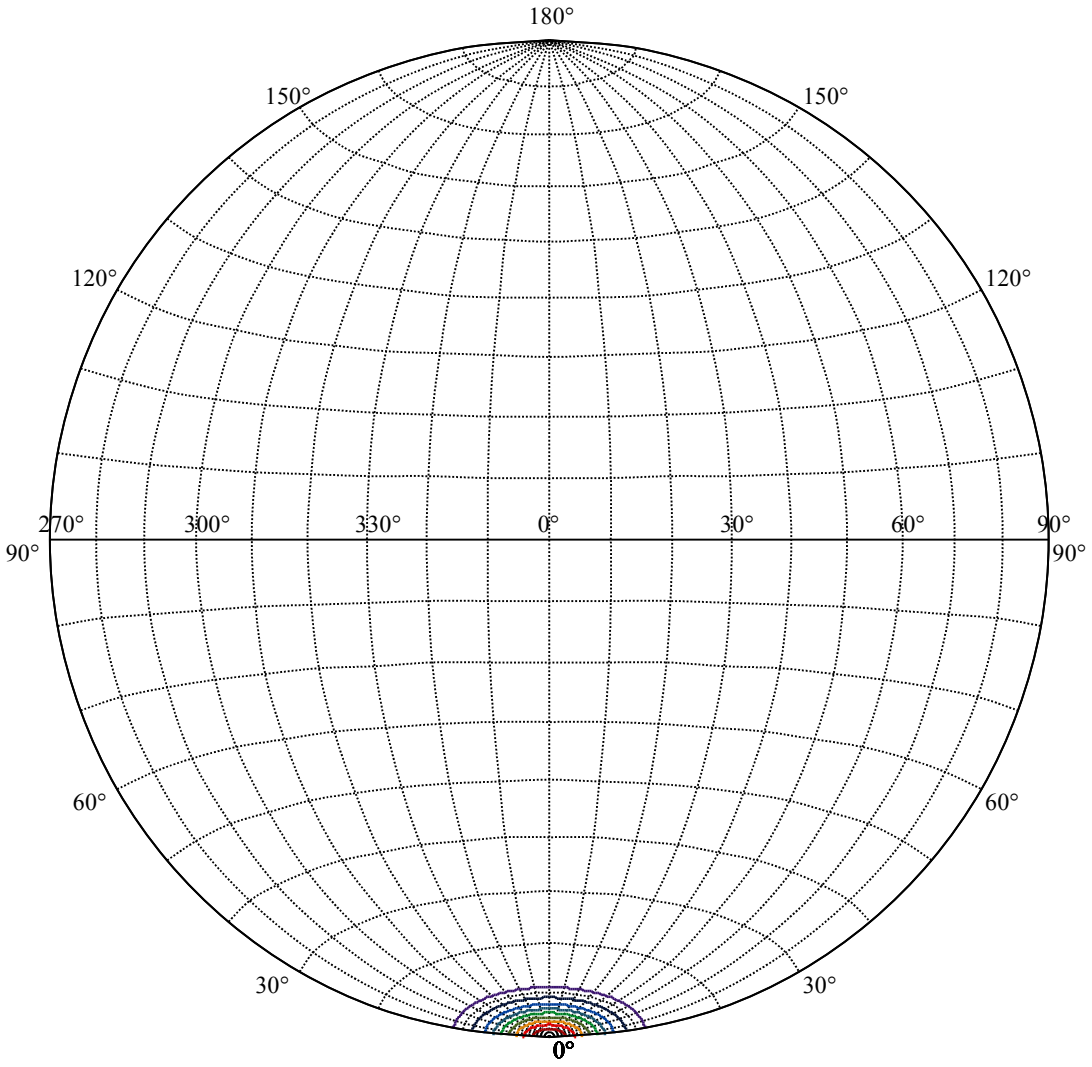


Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/2/18
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:15598.83

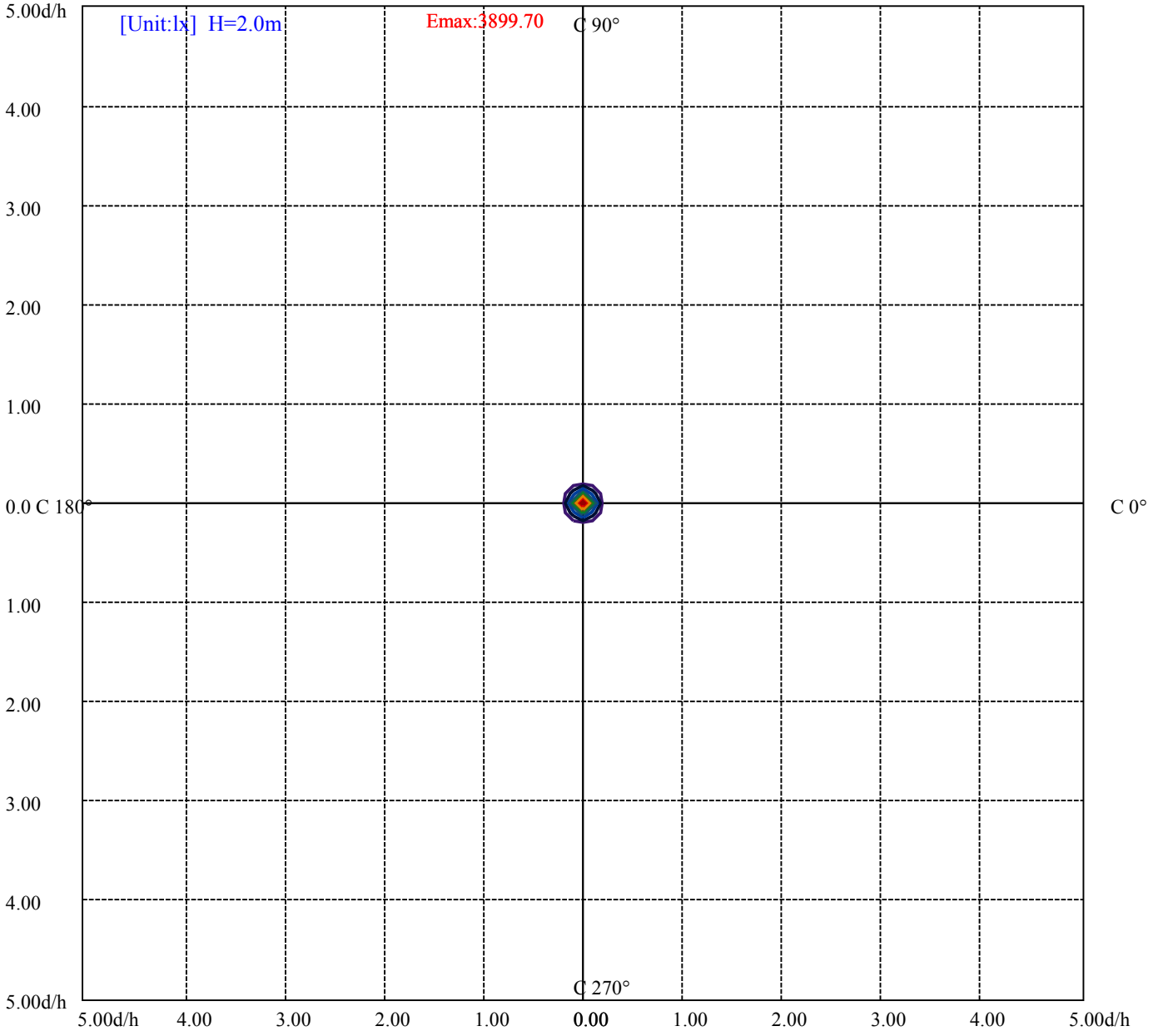
(10%Imax) 1559.88
(20%Imax) 3119.77
(30%Imax) 4679.65
(40%Imax) 6239.53
(50%Imax) 7799.41
(60%Imax) 9359.3
(70%Imax) 10919.2
(80%Imax) 12479.1
(90%Imax) 14038.9

Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/2/18
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

ISO illuminance diagram

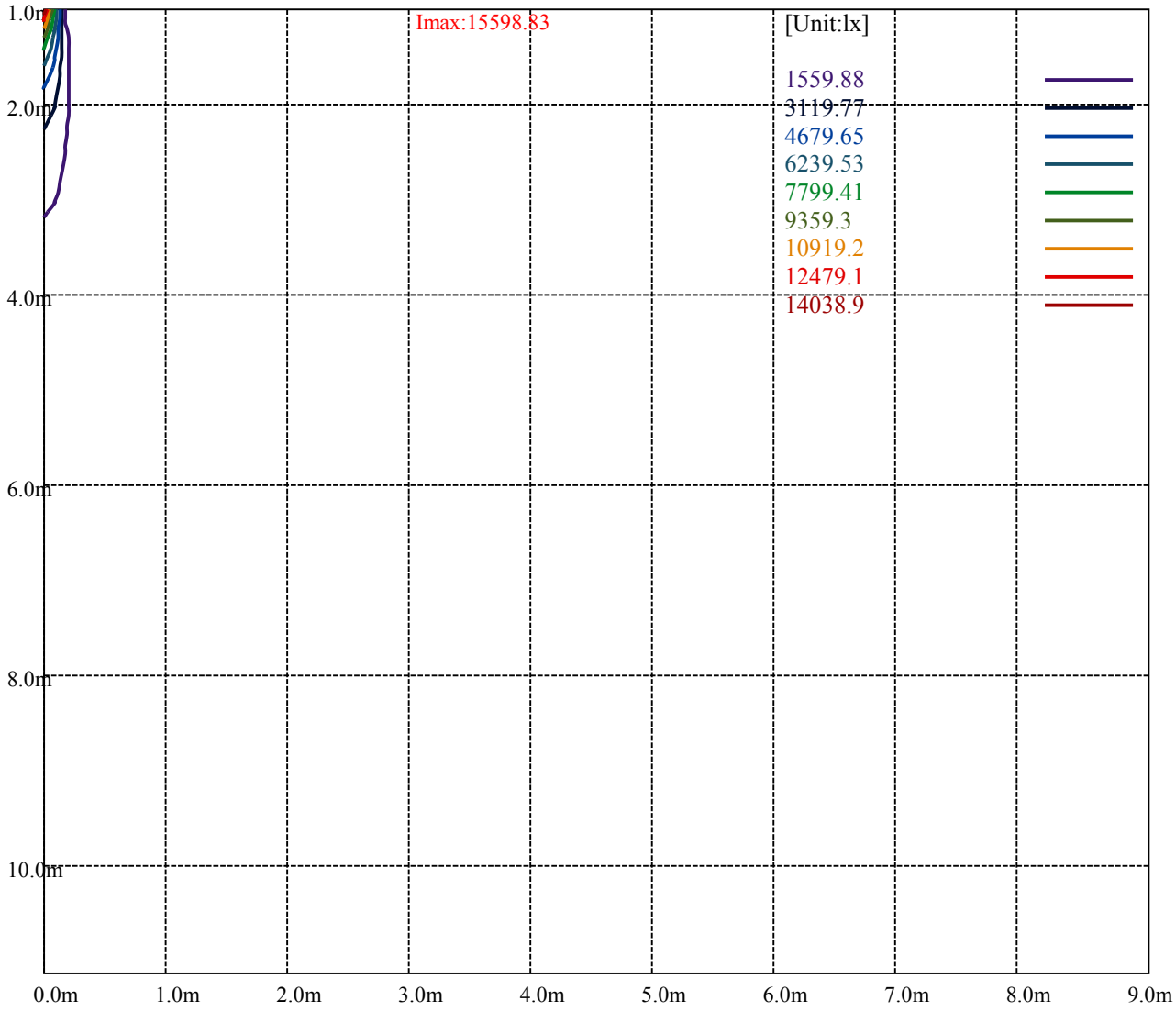


Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/2/18
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/2/18
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Luminance Limitting Curve(no luminous side)

Luminance Table

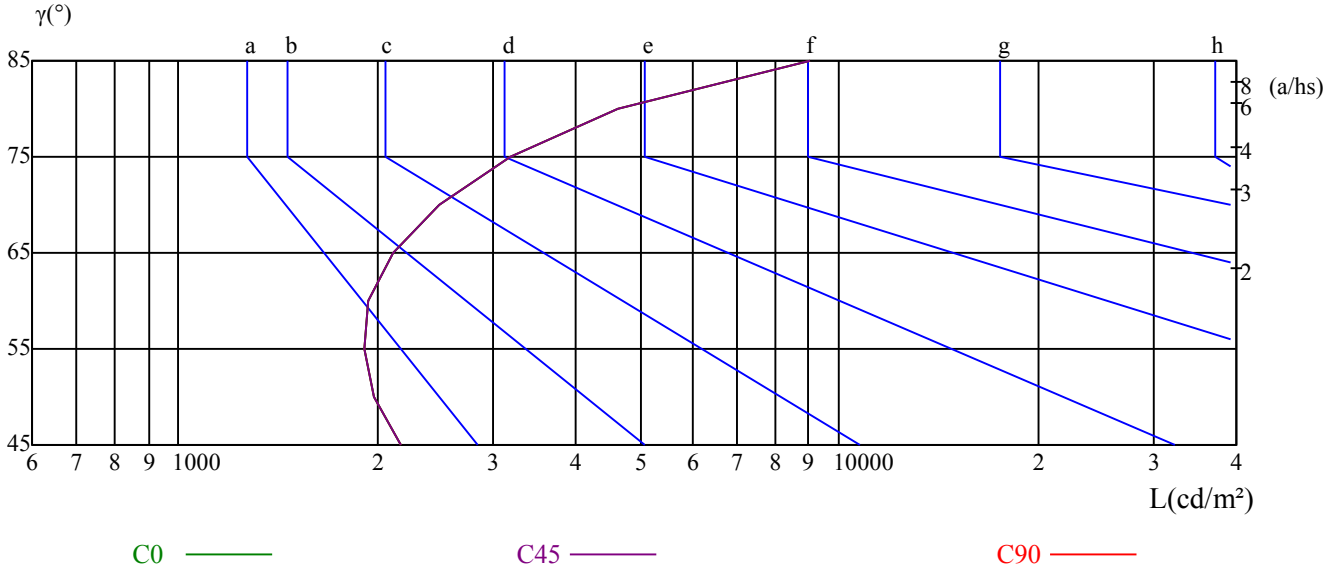
γ	45	50	55	60	65	70	75	80	85
C0	2165	1981	1907	1940	2114	2484	3173	4613	9023
C45	2165	1981	1907	1940	2114	2484	3173	4613	9023
C90	2165	1981	1907	1940	2114	2484	3173	4613	9023

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2114	2114	2114	3173	3173	3173	9023	9023	9023

Glare Table

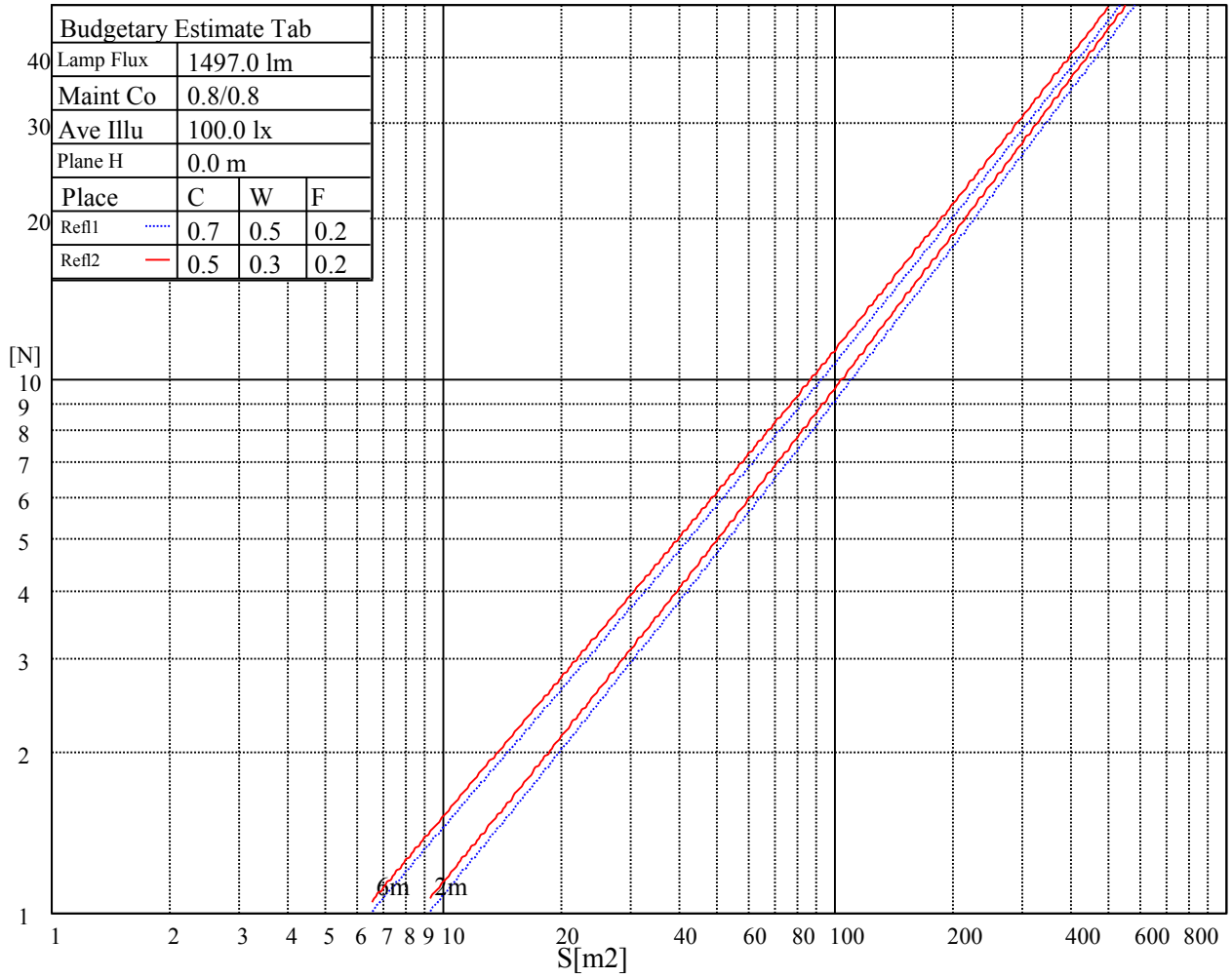
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

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	2.24	3.15	2.61	3.46	3.77	2.15	3.05	2.51	3.36	3.68
	3H	4.98	5.78	5.36	6.11	6.48	4.92	5.72	5.30	6.05	6.42
	4H	6.53	7.27	6.94	7.63	8.02	6.49	7.23	6.90	7.58	7.97
	6H	8.34	9.02	8.76	9.39	9.79	8.29	8.97	8.71	9.34	9.74
	8H	9.36	9.99	9.79	10.38	10.79	9.31	9.94	9.75	10.34	10.75
	12H	11.02	11.62	11.46	12.01	12.44	11.00	11.60	11.44	11.99	12.42
4H	2H	2.97	3.71	3.38	4.06	4.45	2.90	3.64	3.31	3.99	4.39
	3H	6.01	6.62	6.43	7.03	7.44	5.97	6.58	6.39	6.99	7.39
	4H	7.76	8.30	8.20	8.73	9.18	7.73	8.27	8.17	8.70	9.15
	6H	9.74	10.21	10.22	10.66	11.13	9.71	10.17	10.18	10.62	11.10
	8H	10.87	11.30	11.35	11.75	12.23	10.84	11.27	11.32	11.72	12.20
	12H	12.45	12.82	12.94	13.31	13.79	12.44	12.81	12.94	13.30	13.78
8H	4H	8.43	8.86	8.91	9.31	9.79	8.41	8.84	8.89	9.29	9.77
	6H	10.70	11.04	11.21	11.54	12.03	10.67	11.01	11.18	11.51	12.00
	8H	12.01	12.31	12.55	12.84	13.33	11.99	12.29	12.53	12.82	13.32
	12H	13.75	14.01	14.28	14.51	15.09	13.75	14.01	14.28	14.51	15.09
12H	4H	8.62	8.99	9.11	9.48	9.96	8.60	8.96	9.09	9.45	9.93
	6H	11.19	11.30	11.54	11.77	12.32	11.16	11.27	11.51	11.75	12.30
	8H	12.44	12.70	12.97	13.20	13.78	12.43	12.69	12.95	13.19	13.77
Variation with the observer position at spacings:											
S = 1.0H		5.8/-8.5					5.8/-8.5				
S = 1.5H		8.1/-6.4					8.1/-6.4				
S = 2.0H		9.6/-4.9					9.6/-4.9				
Standard tables:		BK2					BK2				
Uncorrected UGR		-1.1					-1.1				

Budgetary Estimate Table

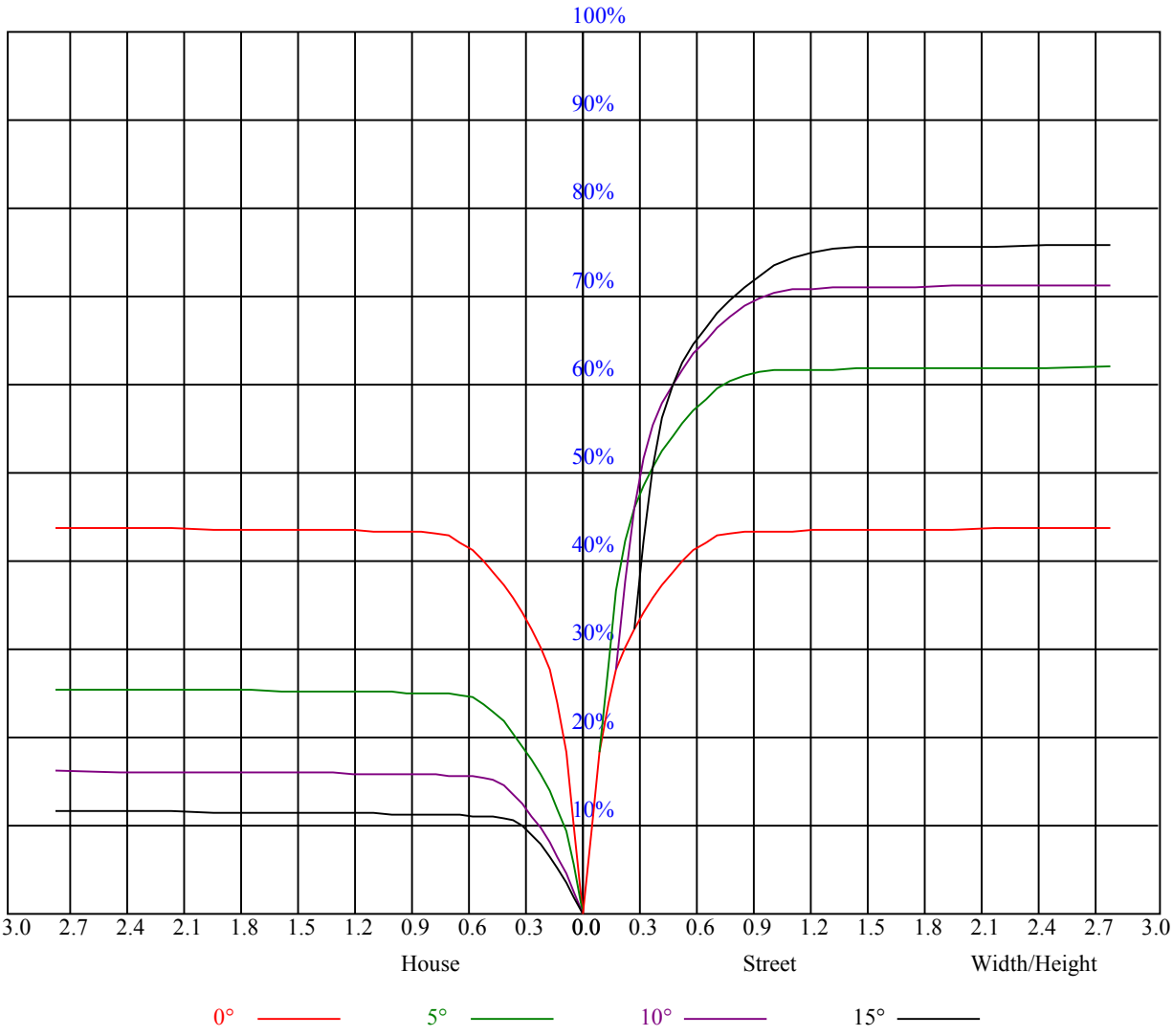


Equipment: GMS1980 Date: 2019/2/18 Operator: NT07
Temperature(°C): 10.0 Humidity(%): 65.0% Distance(m): 7.50

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	0.94	0.94	0.94	0.90	0.90	0.90	0.88
1	0.99	0.97	0.95	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.84
2	0.94	0.91	0.89	0.92	0.90	0.88	0.90	0.87	0.86	0.87	0.85	0.84	0.85	0.83	0.82	0.81
3	0.90	0.86	0.83	0.88	0.85	0.83	0.86	0.84	0.81	0.84	0.82	0.80	0.82	0.81	0.79	0.78
4	0.86	0.82	0.79	0.85	0.81	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.80	0.78	0.76	0.75
5	0.83	0.79	0.76	0.82	0.78	0.76	0.80	0.77	0.75	0.79	0.76	0.74	0.78	0.75	0.74	0.73
6	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.70
7	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.68
8	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.66
9	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.65
10	0.70	0.67	0.64	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.68	0.66	0.64	0.63

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2019/2/18	Operator: NT07
Temperature(°C): 10.0	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	15738.75	14821.88	13471.88	12009.38	9731.25	7734.38	6316.88	4545.00	3352.50
45.0	15598.13	15423.75	14411.25	12774.38	11058.75	9264.38	7104.38	5551.88	4179.38
90.0	15733.13	15750.00	15030.00	13556.25	11214.00	9858.94	8097.75	6078.94	4651.31
135.0	15384.38	16003.13	15845.63	14956.88	13353.75	11413.13	9579.38	7565.63	5956.88
180.0	15738.75	15643.13	14917.50	13460.63	11136.38	9786.94	8018.44	5970.38	4519.69
225.0	15598.13	14956.88	13590.00	11106.00	9975.38	8190.56	6352.31	4698.00	3427.88
270.0	15733.13	14990.63	13488.75	11553.75	9703.13	7661.25	5833.13	4410.00	3195.00
315.0	15266.25	14000.63	11014.31	10333.13	8300.81	6606.00	5107.50	3520.69	2534.06
360.0	15738.75	14821.88	13471.88	12009.38	9731.25	7734.38	6316.88	4545.00	3352.50

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2857.50	1706.63	1353.38	1112.06	912.38	811.69	744.19	687.38	658.13
45.0	2908.13	2054.25	1582.31	1234.13	1009.69	877.50	786.38	716.63	674.44
90.0	3427.88	2315.81	1753.31	1272.94	1096.26	918.39	811.41	723.60	682.43
135.0	4376.25	3076.88	2953.13	1665.00	1245.38	1039.50	893.81	773.44	716.63
180.0	3286.69	2176.88	1633.50	1089.84	1043.10	878.91	785.25	716.18	675.73
225.0	2455.88	1701.56	1121.01	1095.81	901.13	800.27	733.16	688.56	651.09
270.0	2941.88	1613.25	1285.31	1064.25	885.94	791.44	727.88	677.81	650.81
315.0	1856.25	1258.88	1112.18	945.23	821.14	741.71	694.46	658.91	636.86
360.0	2857.50	1706.63	1353.38	1112.06	912.38	811.69	744.19	687.38	658.13

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	635.06	614.81	597.38	585.56	574.31	565.31	554.63	545.06	536.06
45.0	647.44	623.25	604.13	588.38	573.19	563.06	551.25	540.00	530.44
90.0	645.41	617.40	601.14	582.81	565.88	555.75	545.40	532.58	524.81
135.0	675.56	641.81	617.63	600.19	582.75	570.38	556.88	546.19	538.31
180.0	644.06	622.01	605.76	589.11	575.33	564.58	554.85	542.76	533.48
225.0	628.93	609.47	591.69	576.96	565.82	553.78	542.48	533.25	523.18
270.0	629.44	609.19	591.75	578.25	565.88	555.19	544.50	533.81	524.81
315.0	616.56	598.67	585.34	572.29	560.31	549.96	540.11	528.19	519.02
360.0	635.06	614.81	597.38	585.56	574.31	565.31	554.63	545.06	536.06

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	526.50	516.38	506.25	498.38	488.81	478.69	458.44	387.00	311.06
45.0	522.00	511.31	502.88	493.88	483.19	475.31	467.44	447.19	388.69
90.0	516.09	506.53	497.48	487.52	478.74	470.64	461.93	443.87	392.18
135.0	528.75	519.19	510.75	500.63	489.38	481.50	473.63	461.81	426.94
180.0	524.25	514.01	503.94	493.54	484.26	474.75	465.36	435.66	376.59
225.0	514.35	505.13	495.17	486.51	478.86	468.84	457.54	412.26	325.07
270.0	515.25	505.69	496.13	488.81	479.25	470.81	453.94	385.88	313.31
315.0	510.58	498.83	491.06	483.08	470.59	442.52	383.68	286.48	213.58
360.0	526.50	516.38	506.25	498.38	488.81	478.69	458.44	387.00	311.06

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	290.25	133.48	61.65	27.62	19.18	13.84	11.48	10.58	9.73
45.0	329.63	290.81	150.86	78.02	29.98	20.36	13.56	10.74	9.90
90.0	314.10	229.22	155.03	81.11	32.63	21.66	15.13	11.53	10.35
135.0	359.44	290.25	177.41	106.37	45.34	24.30	17.21	12.38	11.42
180.0	290.70	199.46	123.19	55.86	24.30	18.17	12.49	10.52	9.96
225.0	247.33	171.11	90.28	35.61	22.50	15.69	11.87	10.97	9.73
270.0	284.63	142.82	69.19	29.19	20.08	14.46	11.53	10.18	9.79
315.0	126.11	58.56	26.27	19.07	12.77	11.25	10.52	9.96	9.62
360.0	290.25	133.48	61.65	27.62	19.18	13.84	11.48	10.58	9.73

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	9.34	8.94	8.66	8.33	7.99	7.71	7.48	7.26	6.98
45.0	9.51	9.11	8.83	8.49	8.27	7.99	7.76	7.48	7.26
90.0	9.96	9.62	9.28	9.00	8.66	8.38	8.10	7.93	7.65
135.0	9.96	9.56	9.28	8.94	8.61	8.33	8.04	7.82	7.54
180.0	9.62	9.23	8.89	8.61	8.27	7.99	7.76	7.54	7.31
225.0	9.39	9.00	8.61	8.33	8.10	7.71	7.54	7.31	7.09
270.0	9.39	9.00	8.72	8.38	8.10	7.76	7.59	7.37	7.14
315.0	9.28	8.94	8.55	8.27	7.99	7.71	7.48	7.20	7.03
360.0	9.34	8.94	8.66	8.33	7.99	7.71	7.48	7.26	6.98

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	6.81	6.58	6.41	6.30	6.13	6.02	5.91	5.79	5.68
45.0	7.03	6.81	6.64	6.41	6.30	6.13	6.02	5.91	5.79
90.0	7.43	7.14	6.98	6.75	6.58	6.41	6.24	6.08	5.91
135.0	7.31	7.09	6.86	6.69	6.53	6.41	6.24	6.08	6.02
180.0	7.09	6.86	6.75	6.53	6.36	6.24	6.13	6.02	5.91
225.0	6.92	6.75	6.53	6.36	6.24	6.13	6.02	5.91	5.85
270.0	6.92	6.75	6.58	6.41	6.24	6.19	6.02	5.91	5.85
315.0	6.81	6.64	6.41	6.24	6.13	5.96	5.85	5.79	5.68
360.0	6.81	6.58	6.41	6.30	6.13	6.02	5.91	5.79	5.68

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	5.63	5.51	5.46	5.40	5.34	5.29	5.23	5.23	5.18
45.0	5.68	5.63	5.57	5.46	5.40	5.34	5.34	5.29	5.23
90.0	5.79	5.68	5.63	5.57	5.46	5.40	5.40	5.34	5.23
135.0	5.91	5.79	5.74	5.63	5.57	5.51	5.40	5.40	5.29
180.0	5.79	5.74	5.63	5.57	5.51	5.40	5.34	5.34	5.29
225.0	5.74	5.68	5.57	5.51	5.46	5.40	5.34	5.29	5.23
270.0	5.74	5.63	5.57	5.51	5.46	5.40	5.34	5.29	5.23
315.0	5.57	5.57	5.46	5.40	5.34	5.29	5.23	5.23	5.18
360.0	5.63	5.51	5.46	5.40	5.34	5.29	5.23	5.23	5.18

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.12	5.12	5.06	5.06	5.01	5.01	5.01	5.01	4.95
45.0	5.18	5.18	5.12	5.12	5.12	5.06	5.06	5.01	5.01
90.0	5.18	5.18	5.18	5.12	5.12	5.12	5.06	5.06	5.01
135.0	5.29	5.23	5.18	5.18	5.18	5.12	5.06	5.06	5.01
180.0	5.23	5.18	5.18	5.12	5.12	5.06	5.06	5.01	5.01
225.0	5.23	5.18	5.18	5.12	5.12	5.06	5.06	5.01	5.01
270.0	5.23	5.18	5.18	5.18	5.12	5.06	5.06	5.06	5.06
315.0	5.12	5.12	5.12	5.12	5.01	5.01	5.01	5.01	4.95
360.0	5.12	5.12	5.06	5.06	5.01	5.01	5.01	5.01	4.95

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.95	4.95	4.95	4.89	4.89	4.89	4.84	4.84	4.84
45.0	4.95	4.95	4.95	4.95	4.89	4.89	4.89	4.89	4.84
90.0	5.01	5.01	4.95	4.95	4.84	4.89	4.89	4.84	4.84
135.0	5.01	5.01	4.95	4.95	4.95	4.95	4.89	4.89	4.84
180.0	5.01	4.95	4.95	4.95	4.95	4.84	4.89	4.84	4.84
225.0	5.01	5.01	4.95	4.89	4.89	4.89	4.84	4.89	4.84
270.0	5.01	5.06	5.01	5.01	4.95	4.89	4.89	4.84	4.84
315.0	4.95	4.95	4.95	4.89	4.89	4.84	4.89	4.84	4.84
360.0	4.95	4.95	4.95	4.89	4.89	4.89	4.84	4.84	4.84

Intensity data(cd)

C/γ(°)	90.0
0.0	4.84
45.0	4.84
90.0	4.84
135.0	4.84
180.0	4.84
225.0	4.89
270.0	4.89
315.0	4.84
360.0	4.84