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

NATA

LumCAT: 1450-E
Luminaire: 92.70.051.00

Report No: NATA0100	Voltage(V): 35.5000
Test No: GC2019010310	Current(A): 0.2600
LampCAT: BRIDGELUX V8E G7	Power (W): 9.2300
Lamp flux(lm): 1392.0	PF: 0.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 44	Width(mm): 44
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1240.56
Efficiency(%): 89.12%
Lumens(lm)/Power(W): 134.49
Central intensity(cd): 3304.406
Maximum intensity(cd): 3304.406
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=26.0
[C90/270]Total=26.0
Field angle(10%Imax): [C0/180]Total=71.5
[C90/270]Total=71.5
Maximum s/h(1/2): C0_180=0.43 C90_270=0.43
Maximum s/h(1/4): C0_180=0.49 C90_270=0.49
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 89.17%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.317%

Equipment: GMS1980	Date: 2019/1/3	Operator: NT07
Temperature(°C): 10.0	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	3304.406	0.791	0.791	.057%	.064%
1.0	3287.742	6.292	7.083	.452%	.571%
2.0	3238.102	12.393	19.475	.890%	1.570%
3.0	3156.047	18.113	37.589	1.301%	3.030%
4.0	3064.008	23.438	61.027	1.684%	4.919%
5.0	2949.258	28.188	89.215	2.025%	7.191%
6.0	2807.086	32.177	121.391	2.312%	9.785%
7.0	2650.078	35.416	156.808	2.544%	12.640%
8.0	2494.336	38.068	194.876	2.735%	15.709%
9.0	2319.328	39.787	234.663	2.858%	18.916%
10.0	2134.617	40.648	275.312	2.920%	22.192%
11.0	1971.352	41.249	316.561	2.963%	25.518%
12.0	1808.086	41.224	357.785	2.961%	28.841%
13.0	1654.945	40.825	398.61	2.933%	32.131%
14.0	1517.133	40.249	438.858	2.891%	35.376%
15.0	1392.820	39.531	478.39	2.840%	38.562%
16.0	1274.330	38.519	516.908	2.767%	41.667%
17.0	1174.373	37.652	554.561	2.705%	44.702%
18.0	1087.530	36.853	591.414	2.648%	47.673%
19.0	1001.995	35.773	627.187	2.570%	50.557%
20.0	928.167	34.812	661.999	2.501%	53.363%
21.0	858.994	33.758	695.757	2.425%	56.084%
22.0	797.407	32.757	728.514	2.353%	58.725%
23.0	744.427	31.897	760.411	2.291%	61.296%
24.0	695.651	31.028	791.439	2.229%	63.797%
25.0	651.185	30.179	821.618	2.168%	66.230%
26.0	613.898	29.511	851.13	2.120%	68.608%
27.0	577.230	28.737	879.867	2.064%	70.925%
28.0	544.514	28.033	907.9	2.014%	73.185%
29.0	517.359	27.505	935.405	1.976%	75.402%
30.0	496.343	27.215	962.62	1.955%	77.595%
31.0	473.667	26.752	989.373	1.922%	79.752%
32.0	449.184	26.103	1015.475	1.875%	81.856%
33.0	422.571	25.238	1040.714	1.813%	83.891%
34.0	392.224	24.052	1064.766	1.728%	85.829%
35.0	356.379	22.416	1087.181	1.610%	87.636%
36.0	322.819	20.808	1107.989	1.495%	89.313%
37.0	285.750	18.858	1126.848	1.355%	90.834%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	247.549	16.713	1143.561	1.201%	92.181%
39.0	215.866	14.897	1158.458	1.070%	93.382%
40.0	171.647	12.099	1170.557	.869%	94.357%
41.0	137.820	9.915	1180.472	.712%	95.156%
42.0	102.586	7.527	1188	.541%	95.763%
43.0	72.731	5.439	1193.439	.391%	96.202%
44.0	51.855	3.950	1197.39	.284%	96.520%
45.0	39.881	3.092	1200.482	.222%	96.769%
46.0	34.003	2.682	1203.164	.193%	96.985%
47.0	29.848	2.394	1205.558	.172%	97.178%
48.0	26.037	2.122	1207.68	.152%	97.349%
49.0	21.713	1.797	1209.477	.129%	97.494%
50.0	14.759	1.240	1210.717	.089%	97.594%
51.0	13.254	1.130	1211.846	.081%	97.685%
52.0	12.691	1.097	1212.943	.079%	97.774%
53.0	12.143	1.063	1214.006	.076%	97.859%
54.0	11.566	1.026	1215.033	.074%	97.942%
55.0	11.025	0.990	1216.023	.071%	98.022%
56.0	10.448	0.950	1216.973	.068%	98.099%
57.0	9.907	0.911	1217.884	.065%	98.172%
58.0	9.373	0.872	1218.756	.063%	98.242%
59.0	8.944	0.841	1219.596	.060%	98.310%
60.0	8.550	0.812	1220.408	.058%	98.375%
61.0	8.177	0.784	1221.193	.056%	98.439%
62.0	7.917	0.767	1221.959	.055%	98.500%
63.0	7.713	0.754	1222.713	.054%	98.561%
64.0	7.566	0.746	1223.458	.054%	98.621%
65.0	7.453	0.741	1224.199	.053%	98.681%
66.0	7.355	0.737	1224.936	.053%	98.740%
67.0	7.277	0.735	1225.671	.053%	98.800%
68.0	7.193	0.731	1226.402	.053%	98.859%
69.0	7.102	0.727	1227.129	.052%	98.917%
70.0	7.017	0.723	1227.852	.052%	98.975%
71.0	6.926	0.718	1228.57	.052%	99.033%
72.0	6.848	0.714	1229.284	.051%	99.091%
73.0	6.757	0.709	1229.993	.051%	99.148%
74.0	6.680	0.704	1230.697	.051%	99.205%
75.0	6.609	0.700	1231.397	.050%	99.261%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.518	0.694	1232.091	.050%	99.317%
77.0	6.469	0.691	1232.782	.050%	99.373%
78.0	6.434	0.690	1233.472	.050%	99.428%
79.0	6.434	0.693	1234.165	.050%	99.484%
80.0	6.356	0.686	1234.851	.049%	99.540%
81.0	6.082	0.659	1235.51	.047%	99.593%
82.0	5.773	0.627	1236.137	.045%	99.643%
83.0	5.576	0.607	1236.744	.044%	99.692%
84.0	5.498	0.600	1237.343	.043%	99.741%
85.0	5.505	0.601	1237.945	.043%	99.789%
86.0	5.513	0.603	1238.548	.043%	99.838%
87.0	5.386	0.590	1239.138	.042%	99.885%
88.0	5.217	0.572	1239.709	.041%	99.931%
89.0	5.203	0.570	1240.28	.041%	99.977%
90.0	5.147	0.282	1240.562	.020%	100.000%

Zonal flux distribution table

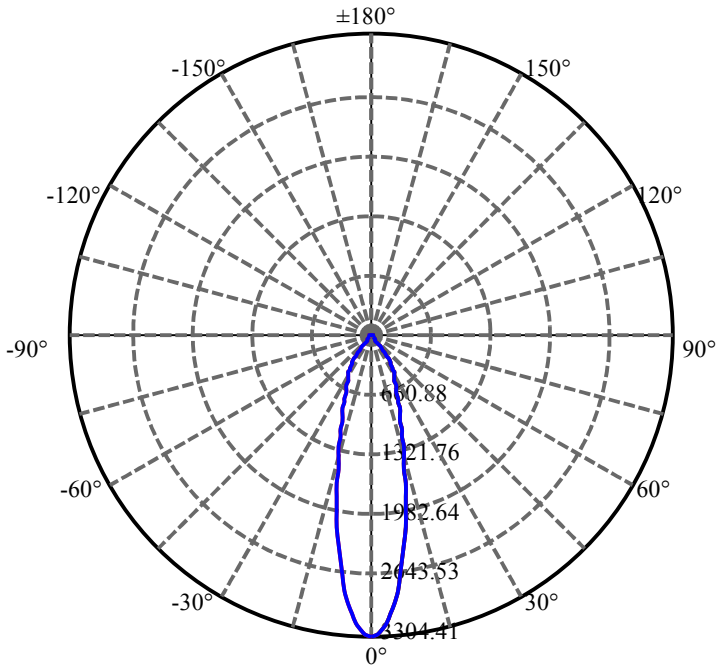
ZONAL LUMEN SUMMARY

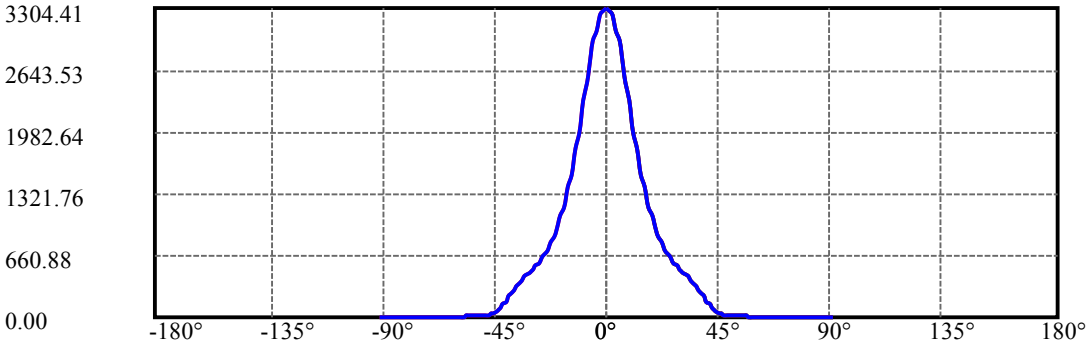
Zone	Lumens	%Lamp	%Fixt
0-30	962.62	69.15%	77.60%
0-40	1170.56	84.09%	94.36%
0-60	1220.41	87.67%	98.38%
0-90	1240.28	89.10%	99.98%
0-120	1240.28	89.10%	99.98%
0-180	1240.56	89.12%	100.00%
60-90	20.68	1.49%	1.67%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-31.12	992.45	71.30%	80.00%

ZONAL LUMEN SUMMARY

0-10	275.31
10-20	386.69
20-30	300.62
30-40	207.94
40-50	40.16
50-60	9.69
60-70	7.44
70-80	7.00
80-90	5.43
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:35.8 Right:35.8
:C90/270Left:35.8 Right:35.8

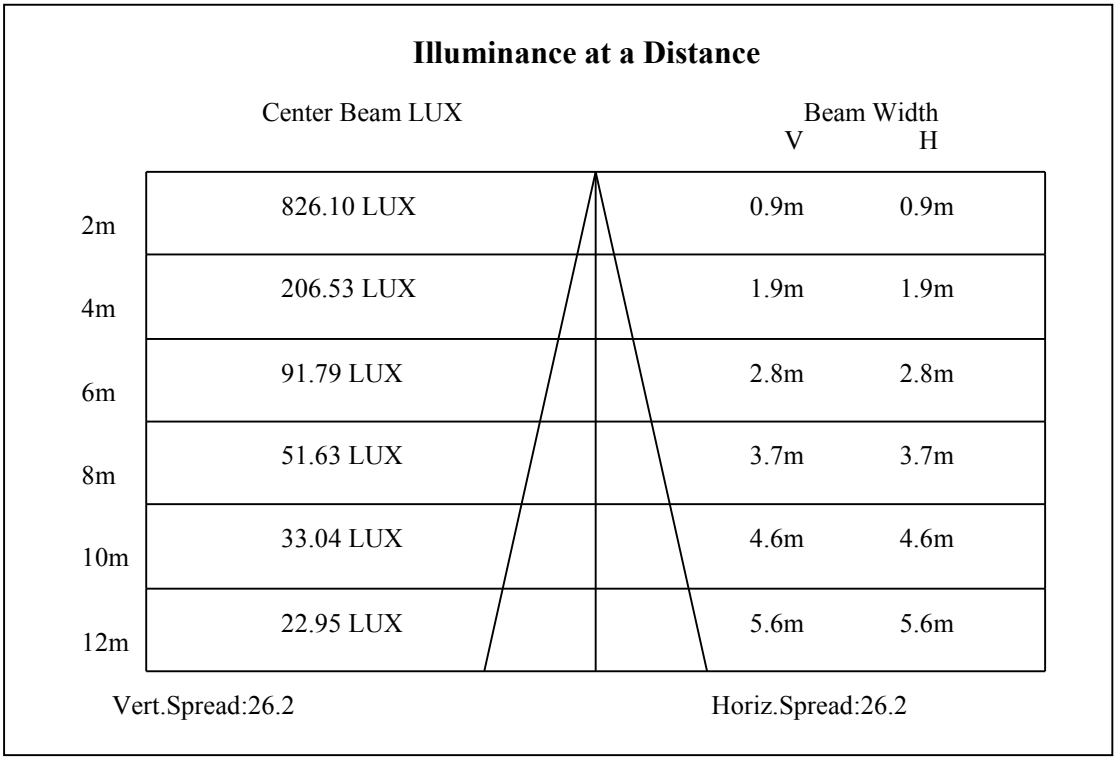
Beam Angle(50%Imax):C0/180Left:13.0 Right:13.0
:C90/270Left:13.0 Right:13.0

Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/1/3
Humidity(%): 65.0%

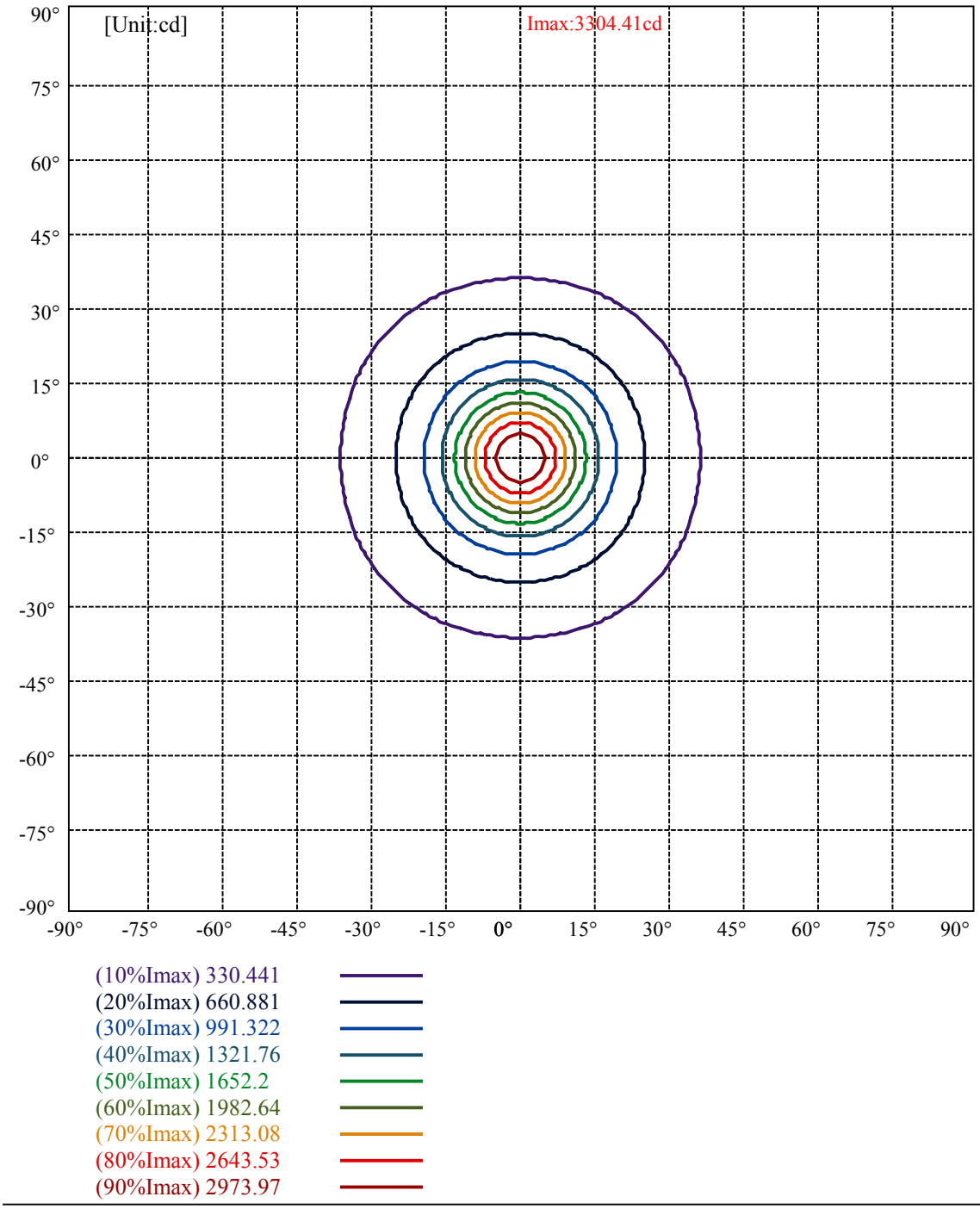
Operator: NT07
Distance(m): 7.50

Lux distance Curve



Equipment: GMS1980 Date: 2019/1/3 Operator: NT07
Temperature(°C): 10.0 Humidity(%): 65.0% Distance(m): 7.50

ISO-Intensity(V-H)

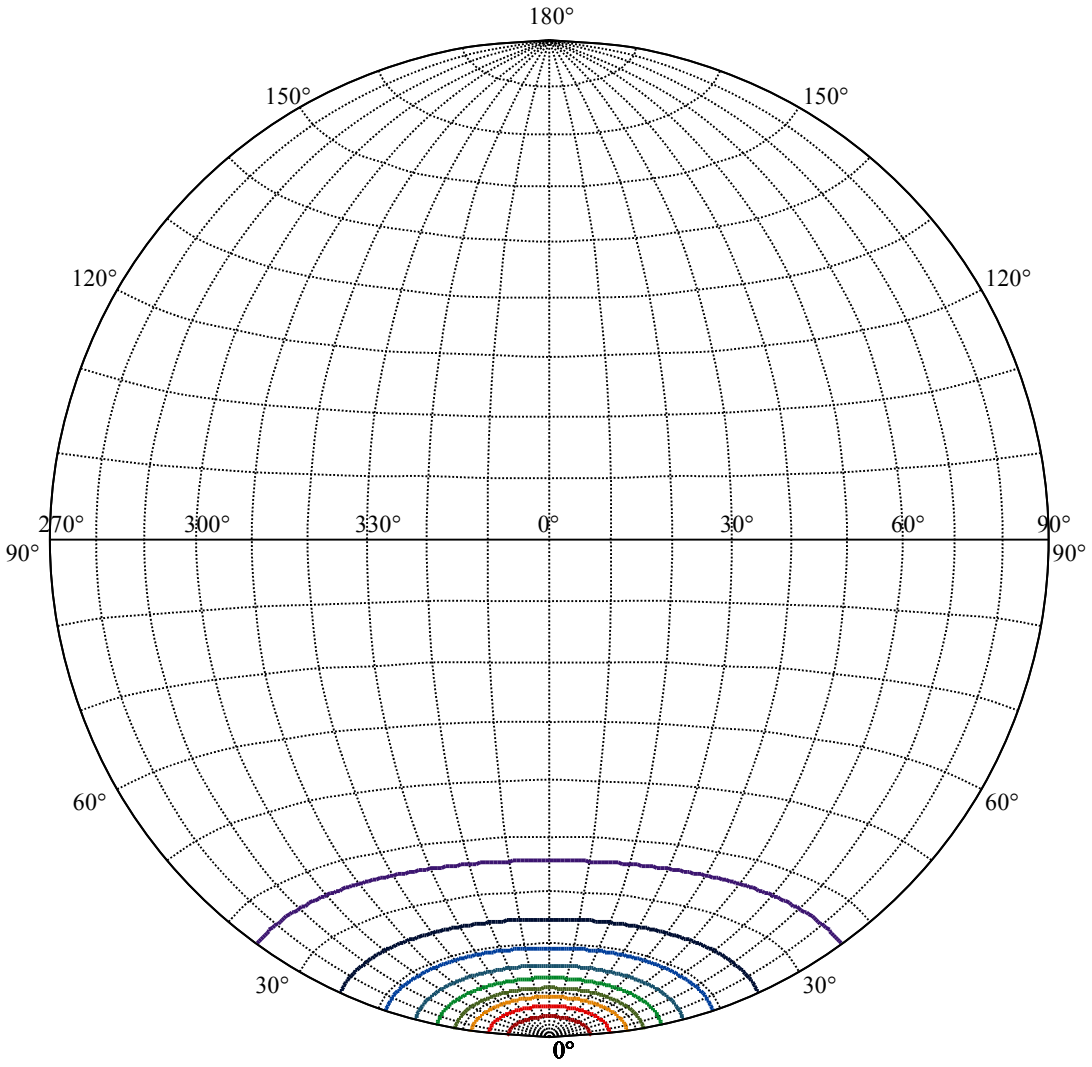


Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/1/3
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

ISO candela diagram on circular web



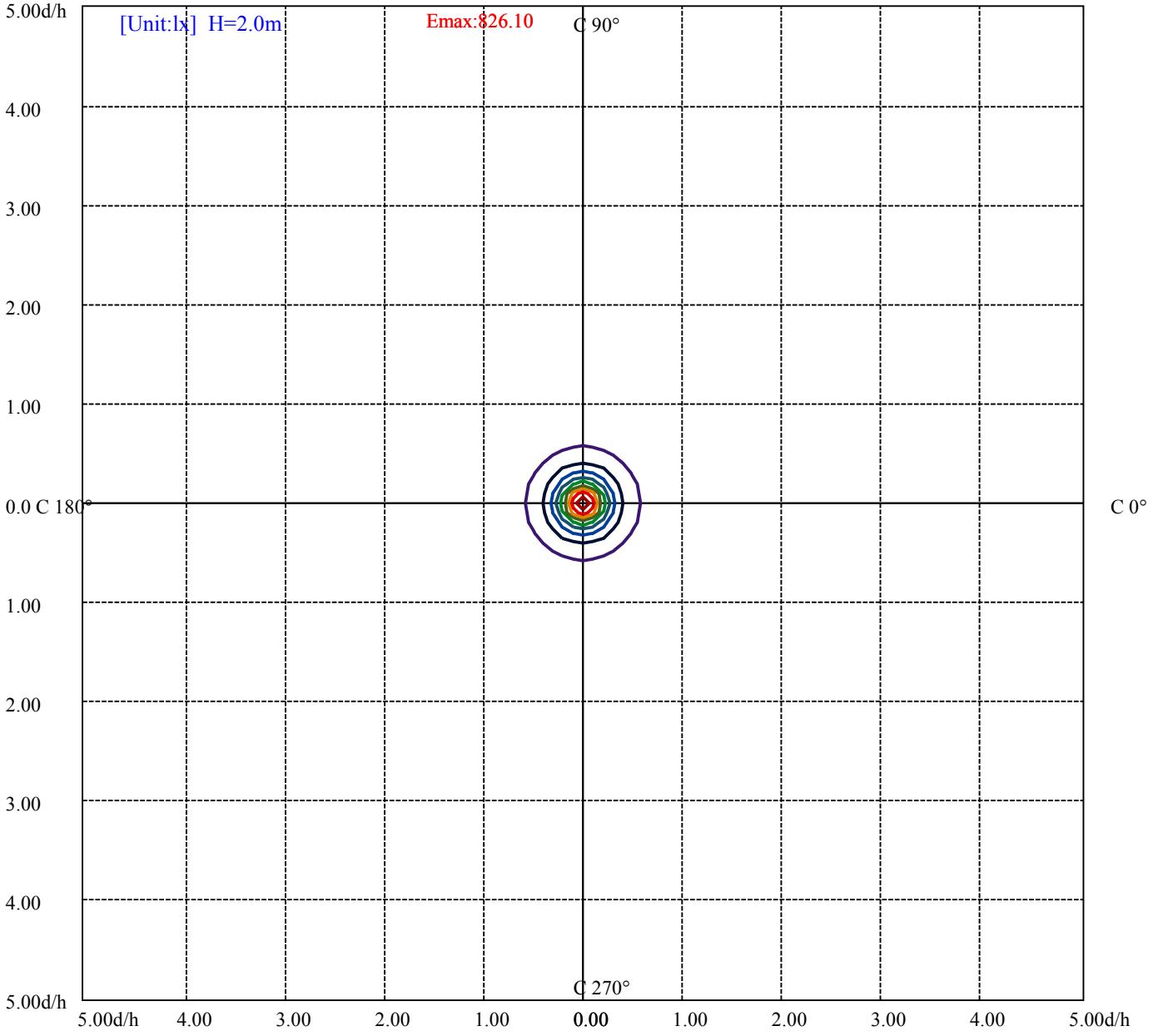
House [Unit:cd] Road

Imax:3304.41

(10%Imax) 330.441
(20%Imax) 660.881
(30%Imax) 991.322
(40%Imax) 1321.76
(50%Imax) 1652.2
(60%Imax) 1982.64
(70%Imax) 2313.08
(80%Imax) 2643.53
(90%Imax) 2973.97

Equipment: GMS1980 Date: 2019/1/3 Operator: NT07
Temperature(°C): 10.0 Humidity(%): 65.0% Distance(m): 7.50

ISO illuminance diagram



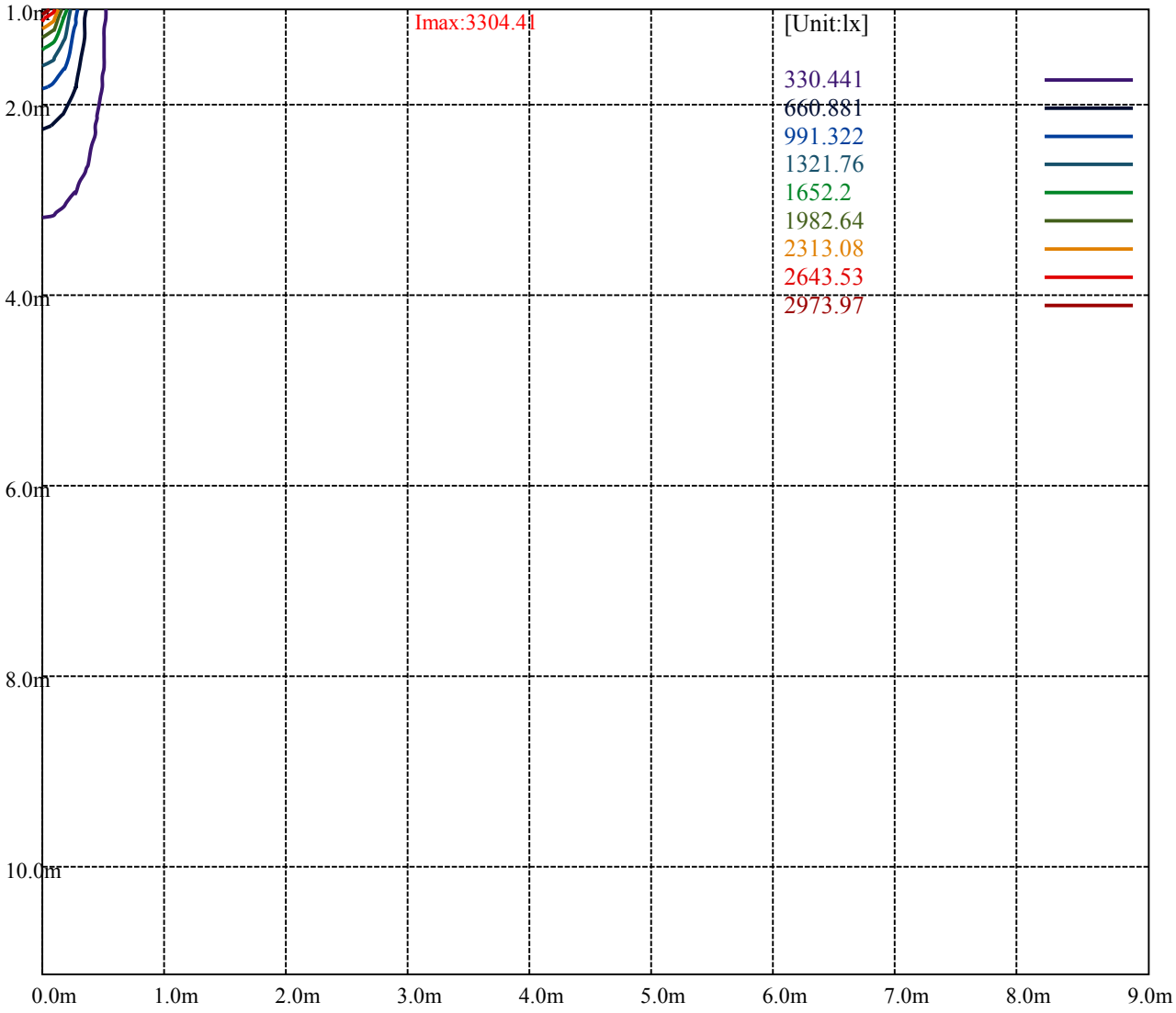
(10%Emax) 82.61
(20%Emax) 165.2202
(30%Emax) 247.8302
(40%Emax) 330.44
(50%Emax) 413.05
(60%Emax) 495.66
(70%Emax) 578.27
(80%Emax) 660.88
(90%Emax) 743.49

Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/1/3
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/1/3
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Luminance Limitting Curve(no luminous side)

Luminance Table

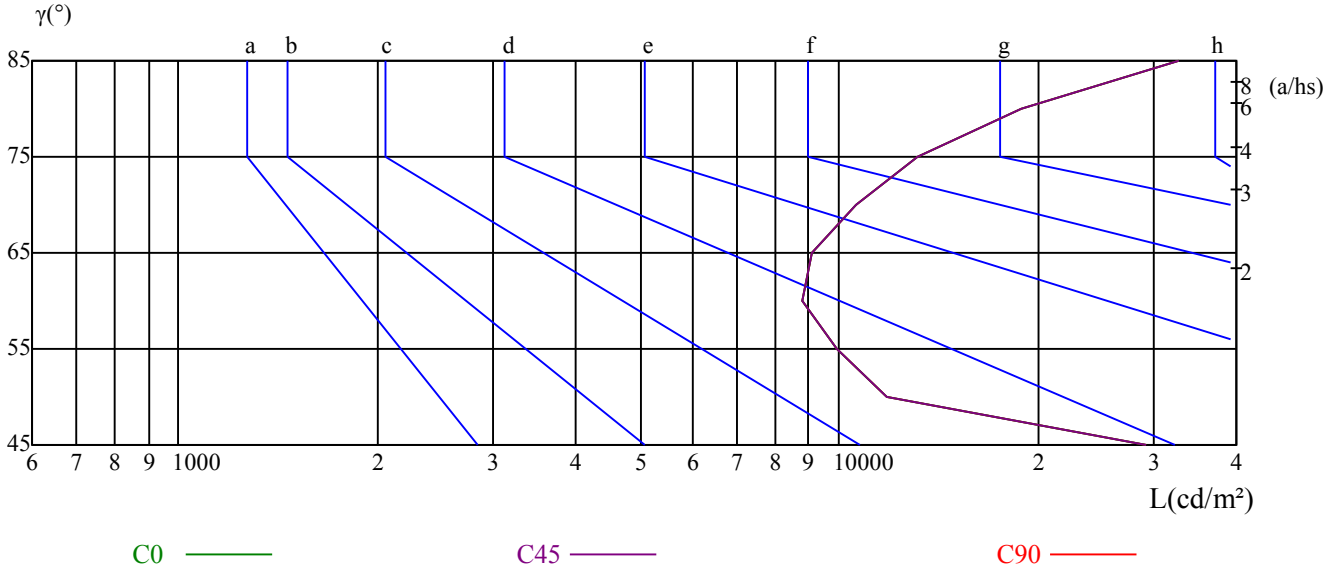
γ	45	50	55	60	65	70	75	80	85
C0	29133	11860	9928	8833	9109	10598	13190	18907	32628
C45	29133	11860	9928	8833	9109	10598	13190	18907	32628
C90	29133	11860	9928	8833	9109	10598	13190	18907	32628

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
9109	9109	9109	13190	13190	13190	32628	32628	32628

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

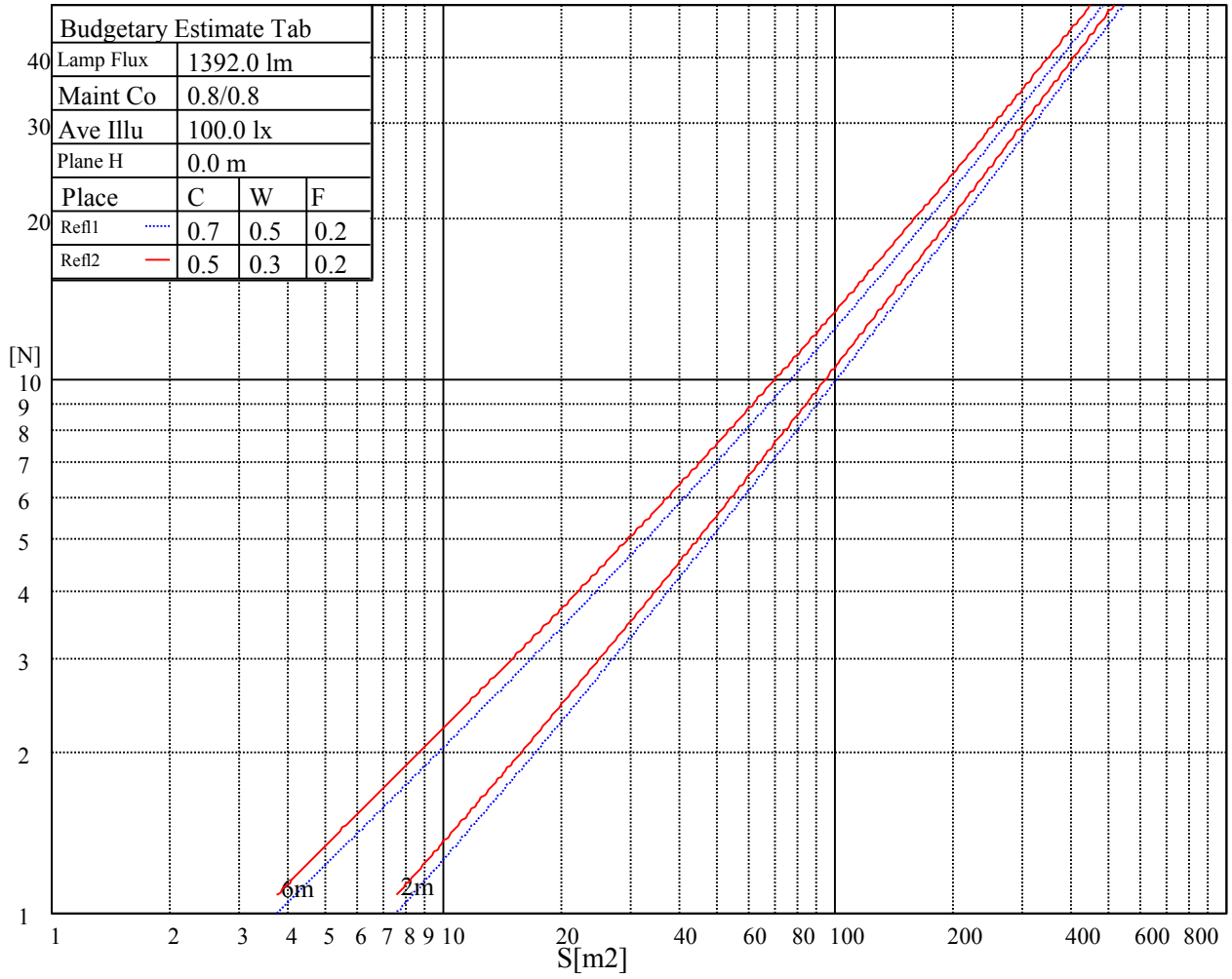
Luminance Limitting Curve



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	10.76	11.70	11.12	12.01	12.33	8.08	9.03	8.45	9.34	9.66
	3H	13.02	13.85	13.40	14.19	14.55	10.54	11.37	10.92	11.71	12.08
	4H	14.33	15.10	14.74	15.46	15.85	12.00	12.78	12.41	13.13	13.52
	6H	15.83	16.54	16.25	16.92	17.31	13.72	14.43	14.14	14.80	15.20
	8H	16.59	17.25	17.02	17.64	18.05	14.70	15.36	15.14	15.76	16.17
	12H	17.73	18.36	18.16	18.75	19.18	16.34	16.97	16.77	17.36	17.79
4H	2H	10.99	11.77	11.40	12.12	12.51	8.87	9.64	9.27	9.99	10.38
	3H	13.62	14.26	14.04	14.67	15.07	11.67	12.30	12.08	12.71	13.12
	4H	15.18	15.75	15.62	16.17	16.62	13.33	13.90	13.77	14.32	14.77
	6H	16.82	17.30	17.29	17.75	18.23	15.18	15.66	15.65	16.11	16.59
	8H	17.74	18.19	18.22	18.64	19.12	16.27	16.72	16.74	17.17	17.64
	12H	18.91	19.30	19.40	19.79	20.27	17.82	18.20	18.31	18.69	19.17
8H	4H	15.59	16.05	16.07	16.50	16.97	14.12	14.57	14.60	15.02	15.50
	6H	17.55	17.91	18.06	18.41	18.90	16.26	16.61	16.77	17.12	17.60
	8H	18.66	18.98	19.20	19.50	20.00	17.51	17.83	18.05	18.35	18.85
	12H	20.06	20.33	20.58	20.83	21.41	19.19	19.46	19.71	19.96	20.54
12H	4H	15.70	16.09	16.19	16.58	17.06	14.36	14.75	14.85	15.24	15.71
	6H	17.99	18.08	18.30	18.55	19.10	16.83	16.92	17.14	17.39	17.94
	8H	18.98	19.26	19.51	19.75	20.34	17.98	18.25	18.50	18.75	19.33
Variation with the observer position at spacings:											
S = 1.0H		4.5/-6.8					4.5/-6.8				
S = 1.5H		6.7/-5.2					6.7/-5.2				
S = 2.0H		8.2/-4.2					8.2/-4.2				
Standard tables:		BK2					BK2				
Uncorrected UGR		4.2					4.2				

Budgetary Estimate Table

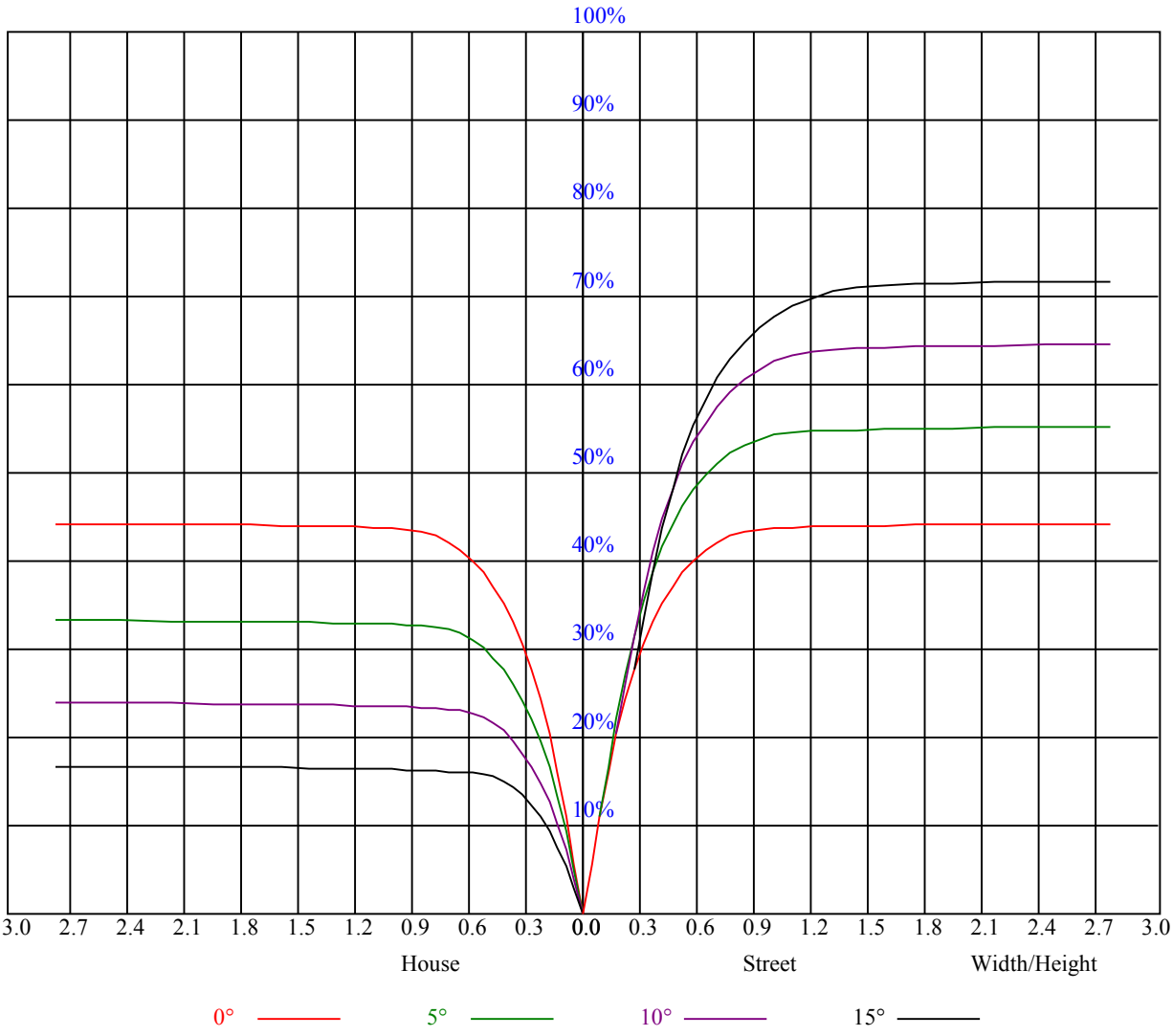


Equipment: GMS1980 Date: 2019/1/3 Operator: NT07
Temperature(°C): 10.0 Humidity(%): 65.0% Distance(m): 7.50

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	1.06	1.06	1.06	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.89
1	0.99	0.97	0.95	0.97	0.95	0.94	0.94	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
2	0.93	0.90	0.87	0.91	0.88	0.86	0.89	0.86	0.84	0.86	0.84	0.82	0.83	0.82	0.80	0.79
3	0.87	0.83	0.80	0.86	0.83	0.80	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.75
4	0.83	0.78	0.75	0.82	0.78	0.74	0.80	0.76	0.73	0.78	0.75	0.73	0.76	0.74	0.72	0.71
5	0.78	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.73	0.70	0.68	0.67
6	0.74	0.70	0.66	0.74	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.63
7	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.60
8	0.68	0.63	0.60	0.67	0.63	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.64	0.61	0.59	0.58
9	0.65	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	0.54	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: 2019/1/3	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	3304.13	3297.38	3260.25	3211.31	3114.00	2999.25	2897.44	2727.56	2571.19
45.0	3300.19	3294.56	3263.06	3208.50	3136.50	3024.56	2888.44	2761.31	2606.06
90.0	3306.38	3287.25	3248.44	3178.13	3096.56	2989.13	2846.81	2701.69	2558.25
135.0	3306.94	3303.56	3267.56	3201.75	3110.63	3007.69	2900.81	2749.50	2620.13
180.0	3304.13	3279.94	3218.63	3109.50	3021.75	2908.13	2763.56	2600.44	2441.25
225.0	3300.19	3273.75	3204.00	3084.19	2985.75	2868.75	2699.44	2541.94	2377.13
270.0	3306.38	3291.75	3234.94	3146.63	3029.63	2909.81	2753.44	2572.31	2401.31
315.0	3306.94	3273.75	3207.94	3108.38	3017.25	2886.75	2706.75	2545.88	2379.38
360.0	3304.13	3297.38	3260.25	3211.31	3114.00	2999.25	2897.44	2727.56	2571.19

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2387.81	2202.75	2040.75	1865.25	1703.25	1569.38	1447.88	1315.69	1222.88
45.0	2459.81	2253.38	2088.00	1927.13	1772.44	1596.38	1467.00	1346.63	1233.00
90.0	2394.00	2220.75	2067.75	1899.00	1751.63	1596.38	1455.19	1344.94	1239.19
135.0	2457.00	2279.25	2119.50	1963.69	1785.38	1653.19	1531.69	1405.13	1294.31
180.0	2262.94	2099.25	1918.13	1756.13	1625.63	1485.56	1360.13	1262.81	1113.02
225.0	2189.81	1999.69	1836.56	1666.69	1515.94	1397.25	1274.63	1119.26	1075.84
270.0	2214.00	2019.94	1857.94	1707.75	1536.75	1416.94	1309.50	1185.75	1100.25
315.0	2189.25	2001.94	1842.19	1679.06	1548.56	1422.00	1296.56	1214.44	1116.51
360.0	2387.81	2202.75	2040.75	1865.25	1703.25	1569.38	1447.88	1315.69	1222.88

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1135.13	1045.13	963.56	896.63	830.25	768.38	720.56	672.19	631.69
45.0	1135.13	1037.81	957.94	893.25	837.00	766.13	715.50	672.19	636.19
90.0	1113.92	1030.84	953.27	866.81	805.44	749.31	694.52	650.76	609.75
135.0	1195.31	1099.13	1016.44	944.44	868.50	813.38	761.06	716.06	680.06
180.0	1072.41	986.34	919.29	853.88	793.01	750.83	710.83	666.23	629.94
225.0	985.89	912.66	847.07	774.11	725.51	682.37	631.52	596.19	560.53
270.0	1021.50	940.50	867.94	810.56	749.25	704.25	655.31	610.88	575.44
315.0	1040.96	963.56	899.83	832.28	770.29	720.79	675.90	624.99	587.59
360.0	1135.13	1045.13	963.56	896.63	830.25	768.38	720.56	672.19	631.69

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	590.06	552.38	527.06	507.94	485.44	463.50	432.56	392.63	359.44
45.0	601.88	571.50	533.25	514.69	496.13	479.81	461.25	440.44	397.69
90.0	574.14	543.83	511.37	481.95	469.24	450.11	429.81	410.91	378.00
135.0	642.38	607.50	574.31	550.69	523.13	505.69	485.44	458.44	423.56
180.0	594.73	556.48	525.71	503.44	485.61	460.86	431.61	397.18	366.81
225.0	526.33	496.58	478.07	458.55	435.88	405.56	373.11	344.03	307.07
270.0	536.06	506.81	487.69	471.38	441.56	412.31	383.06	348.75	309.38
315.0	552.26	521.04	501.41	482.12	452.36	415.63	383.74	345.43	309.09
360.0	590.06	552.38	527.06	507.94	485.44	463.50	432.56	392.63	359.44

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	324.00	287.44	240.41	203.18	168.30	128.81	92.03	59.06	38.03
45.0	366.75	329.63	293.06	285.75	211.73	175.33	134.49	103.73	71.78
90.0	345.60	312.58	283.78	245.31	204.81	173.36	137.42	106.03	80.83
135.0	392.06	353.25	313.88	287.44	233.94	199.63	155.98	118.69	87.53
180.0	328.39	289.18	255.38	220.05	175.16	138.26	105.98	68.40	49.95
225.0	270.90	240.69	201.09	162.62	131.01	101.03	69.41	45.39	32.46
270.0	284.63	243.39	198.34	167.79	132.41	100.13	68.63	48.09	33.19
315.0	270.23	229.84	194.46	154.80	115.82	86.01	56.76	32.46	21.09
360.0	324.00	287.44	240.41	203.18	168.30	128.81	92.03	59.06	38.03

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	23.51	19.97	16.88	14.34	12.83	8.89	7.71	7.48	7.26
45.0	54.00	44.55	40.56	35.49	31.16	20.03	17.89	17.33	16.71
90.0	62.72	55.35	48.38	41.01	33.19	20.53	18.90	18.00	17.10
135.0	64.18	50.68	45.34	37.91	27.90	15.19	10.63	9.73	9.23
180.0	39.77	35.27	29.70	24.98	19.46	10.13	9.23	8.78	8.33
225.0	28.07	24.92	21.94	20.42	17.83	15.13	14.34	13.67	13.05
270.0	28.46	26.27	23.51	22.56	21.60	19.74	19.07	18.51	17.61
315.0	18.34	15.02	12.49	11.59	9.73	8.44	8.27	8.04	7.88
360.0	23.51	19.97	16.88	14.34	12.83	8.89	7.71	7.48	7.26

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	7.14	7.09	6.98	6.92	6.81	6.75	6.64	6.58	6.47
45.0	16.09	15.41	14.51	13.50	12.66	11.81	11.14	10.46	9.90
90.0	15.98	14.96	14.12	13.11	12.09	11.31	10.74	10.13	9.79
135.0	8.78	8.21	7.82	7.48	7.20	6.92	6.69	6.47	6.30
180.0	7.99	7.65	7.37	7.20	6.86	6.75	6.58	6.41	6.30
225.0	11.98	11.31	10.46	9.68	9.00	8.49	7.93	7.54	7.37
270.0	16.88	16.03	14.91	14.12	13.28	12.66	11.93	11.36	10.86
315.0	7.71	7.54	7.43	7.26	7.09	6.86	6.75	6.47	6.36
360.0	7.14	7.09	6.98	6.92	6.81	6.75	6.64	6.58	6.47

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	6.36	6.24	6.13	6.02	5.96	5.91	5.85	5.85	5.85
45.0	9.45	9.17	9.00	8.89	8.78	8.61	8.44	8.33	8.33
90.0	9.51	9.34	9.17	9.06	8.94	8.83	8.72	8.49	8.27
135.0	6.19	6.08	5.96	5.96	5.85	5.85	5.79	5.79	5.74
180.0	6.19	6.13	6.08	5.96	5.96	5.96	5.91	5.91	5.85
225.0	7.20	7.03	6.98	6.86	6.81	6.75	6.69	6.53	6.41
270.0	10.58	10.41	10.29	10.13	9.96	9.73	9.56	9.39	9.17
315.0	6.24	6.13	6.02	5.96	5.96	5.91	5.85	5.85	5.79
360.0	6.36	6.24	6.13	6.02	5.96	5.91	5.85	5.85	5.85

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.85	5.79	5.74	5.74	5.68	5.68	5.57	5.57	5.51
45.0	8.21	8.10	7.99	7.88	7.82	7.88	7.99	8.16	8.27
90.0	8.04	7.88	7.76	7.59	7.26	7.14	7.20	7.37	7.54
135.0	5.68	5.68	5.63	5.63	5.57	5.57	5.46	5.46	5.46
180.0	5.79	5.74	5.74	5.68	5.68	5.63	5.63	5.57	5.57
225.0	6.36	6.24	6.19	6.19	6.24	6.30	6.36	6.30	6.02
270.0	9.06	8.89	8.72	8.49	8.27	7.99	7.76	7.59	7.03
315.0	5.79	5.74	5.68	5.68	5.63	5.57	5.51	5.46	5.46
360.0	5.85	5.79	5.74	5.74	5.68	5.68	5.57	5.57	5.51

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.51	5.51	5.51	5.57	5.57	5.57	5.57	5.29	5.29
45.0	7.26	6.19	5.51	5.46	5.40	5.40	5.23	5.23	5.18
90.0	7.31	6.64	5.96	5.40	5.34	5.29	5.23	5.23	5.29
135.0	5.46	5.40	5.40	5.34	5.34	5.29	5.23	5.23	5.23
180.0	5.51	5.51	5.51	5.51	5.51	5.34	5.34	5.34	5.34
225.0	5.74	5.63	5.51	5.51	5.63	5.85	5.18	5.12	5.18
270.0	6.36	5.85	5.74	5.68	5.68	5.79	5.79	5.12	5.06
315.0	5.51	5.46	5.46	5.51	5.57	5.57	5.51	5.18	5.06
360.0	5.51	5.51	5.51	5.57	5.57	5.57	5.57	5.29	5.29

Intensity data(cd)

C/γ(°)	90.0
0.0	5.18
45.0	5.06
90.0	5.18
135.0	5.23
180.0	5.34
225.0	5.18
270.0	5.01
315.0	5.01
360.0	5.18