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

NATA

LumCAT: 3-1943-M
Luminaire: BJB 47.319.2135

Report No: NATA0100	Voltage(V): 36.9500
Test No: GC2019012112	Current(A): 0.5000
LampCAT: PHILIPS Certaflux slm 1205	Power (W): 18.4750
Lamp flux(lm): 2360.0	PF: 0.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 86	Width(mm): 86
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2108.63
Efficiency(%): 89.35%
Lumens(lm)/Power(W): 114.24
Central intensity(cd): 8418.938
Maximum intensity(cd): 8418.938
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=24.9
[C90/270]Total=24.9
Field angle(10%Imax): [C0/180]Total=49.7
[C90/270]Total=49.7
Maximum s/h(1/2): C0_180=0.42 C90_270=0.42
Maximum s/h(1/4): C0_180=0.40 C90_270=0.40
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 89.43%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.574%

Equipment: GMS1980	Date: 2019/1/21	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	8418.938	2.014	2.014	.085%	.096%
1.0	8377.805	16.034	18.048	.679%	.856%
2.0	8254.195	31.590	49.638	1.339%	2.354%
3.0	8061.398	46.266	95.904	1.960%	4.548%
4.0	7817.766	59.802	155.706	2.534%	7.384%
5.0	7484.484	71.534	227.24	3.031%	10.777%
6.0	7130.320	81.733	308.972	3.463%	14.653%
7.0	6735.867	90.020	398.992	3.814%	18.922%
8.0	6339.516	96.753	495.745	4.100%	23.510%
9.0	5912.930	101.435	597.18	4.298%	28.321%
10.0	5468.063	104.125	701.305	4.412%	33.259%
11.0	4990.078	104.414	805.719	4.424%	38.211%
12.0	4466.320	101.831	907.55	4.315%	43.040%
13.0	3906.141	96.358	1003.908	4.083%	47.609%
14.0	3274.453	86.869	1090.777	3.681%	51.729%
15.0	2738.813	77.734	1168.511	3.294%	55.416%
16.0	2261.813	68.367	1236.878	2.897%	58.658%
17.0	1869.117	59.927	1296.805	2.539%	61.500%
18.0	1573.875	53.334	1350.139	2.260%	64.029%
19.0	1379.461	49.250	1399.389	2.087%	66.365%
20.0	1198.920	44.967	1444.356	1.905%	68.497%
21.0	1088.487	42.776	1487.132	1.813%	70.526%
22.0	1005.785	41.317	1528.449	1.751%	72.485%
23.0	930.790	39.882	1568.332	1.690%	74.377%
24.0	876.382	39.089	1607.421	1.656%	76.231%
25.0	835.559	38.724	1646.145	1.641%	78.067%
26.0	804.277	38.663	1684.808	1.638%	79.901%
27.0	781.418	38.903	1723.711	1.648%	81.746%
28.0	764.304	39.348	1763.059	1.667%	83.612%
29.0	748.596	39.799	1802.858	1.686%	85.499%
30.0	734.738	40.286	1843.144	1.707%	87.410%
31.0	720.155	40.674	1883.818	1.723%	89.338%
32.0	681.117	39.581	1923.399	1.677%	91.216%
33.0	612.703	36.594	1959.993	1.551%	92.951%
34.0	517.331	31.724	1991.717	1.344%	94.455%
35.0	403.355	25.371	2017.087	1.075%	95.659%
36.0	298.167	19.219	2036.306	.814%	96.570%
37.0	198.605	13.107	2049.413	.555%	97.192%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	91.659	6.188	2055.601	.262%	97.485%
39.0	39.396	2.719	2058.32	.115%	97.614%
40.0	25.256	1.780	2060.101	.075%	97.698%
41.0	21.241	1.528	2061.629	.065%	97.771%
42.0	18.049	1.324	2062.953	.056%	97.834%
43.0	15.743	1.177	2064.131	.050%	97.890%
44.0	14.119	1.076	2065.206	.046%	97.941%
45.0	13.092	1.015	2066.221	.043%	97.989%
46.0	12.670	0.999	2067.221	.042%	98.036%
47.0	12.270	0.984	2068.205	.042%	98.083%
48.0	11.883	0.968	2069.173	.041%	98.129%
49.0	11.630	0.962	2070.136	.041%	98.174%
50.0	11.377	0.956	2071.091	.040%	98.220%
51.0	11.166	0.952	2072.043	.040%	98.265%
52.0	10.990	0.950	2072.993	.040%	98.310%
53.0	10.793	0.945	2073.938	.040%	98.355%
54.0	10.596	0.940	2074.878	.040%	98.399%
55.0	10.441	0.938	2075.816	.040%	98.444%
56.0	10.273	0.934	2076.75	.040%	98.488%
57.0	10.125	0.931	2077.681	.039%	98.532%
58.0	10.013	0.931	2078.612	.039%	98.576%
59.0	9.914	0.932	2079.544	.039%	98.621%
60.0	9.830	0.934	2080.477	.040%	98.665%
61.0	9.738	0.934	2081.411	.040%	98.709%
62.0	9.661	0.935	2082.347	.040%	98.754%
63.0	9.598	0.938	2083.285	.040%	98.798%
64.0	9.548	0.941	2084.226	.040%	98.843%
65.0	9.478	0.942	2085.168	.040%	98.887%
66.0	9.429	0.945	2086.112	.040%	98.932%
67.0	9.373	0.946	2087.059	.040%	98.977%
68.0	9.345	0.950	2088.009	.040%	99.022%
69.0	9.281	0.950	2088.959	.040%	99.067%
70.0	9.232	0.951	2089.91	.040%	99.112%
71.0	9.204	0.954	2090.864	.040%	99.157%
72.0	9.141	0.953	2091.818	.040%	99.203%
73.0	9.098	0.954	2092.772	.040%	99.248%
74.0	9.070	0.956	2093.728	.041%	99.293%
75.0	9.028	0.956	2094.684	.041%	99.339%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	9.021	0.960	2095.644	.041%	99.384%
77.0	8.979	0.959	2096.604	.041%	99.430%
78.0	8.944	0.959	2097.563	.041%	99.475%
79.0	8.923	0.960	2098.523	.041%	99.521%
80.0	8.909	0.962	2099.486	.041%	99.566%
81.0	8.895	0.963	2100.449	.041%	99.612%
82.0	8.859	0.962	2101.411	.041%	99.658%
83.0	8.845	0.963	2102.374	.041%	99.703%
84.0	8.838	0.964	2103.338	.041%	99.749%
85.0	8.831	0.965	2104.302	.041%	99.795%
86.0	8.803	0.963	2105.265	.041%	99.840%
87.0	8.789	0.962	2106.228	.041%	99.886%
88.0	8.775	0.962	2107.19	.041%	99.932%
89.0	8.761	0.961	2108.15	.041%	99.977%
90.0	8.768	0.481	2108.631	.020%	100.000%

Zonal flux distribution table

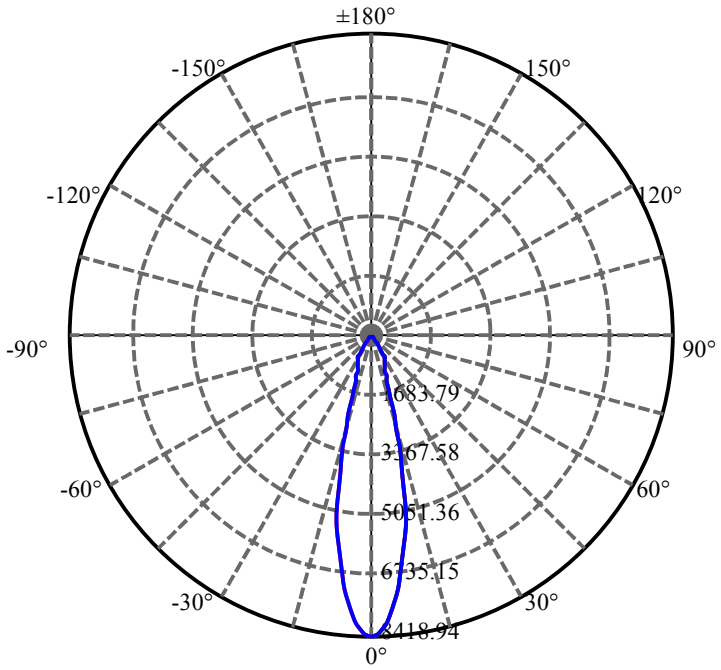
ZONAL LUMEN SUMMARY

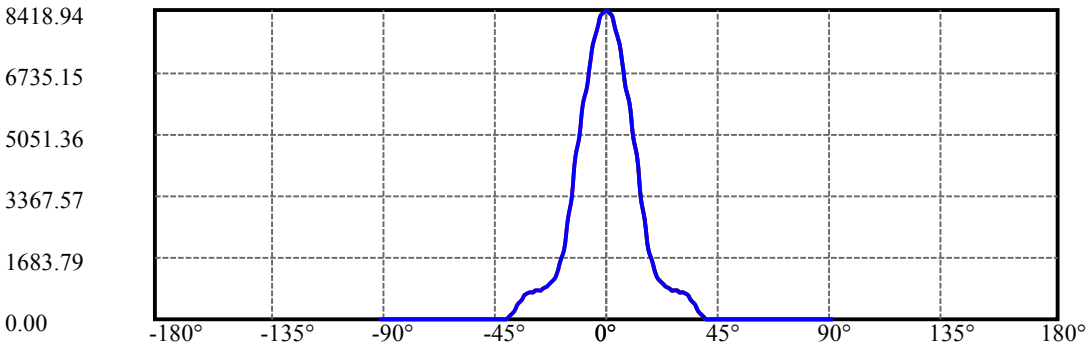
Zone	Lumens	%Lamp	%Fixt
0-30	1843.14	78.10%	87.41%
0-40	2060.10	87.29%	97.70%
0-60	2080.48	88.16%	98.66%
0-90	2108.15	89.33%	99.98%
0-120	2108.15	89.33%	99.98%
0-180	2108.63	89.35%	100.00%
60-90	28.61	1.21%	1.36%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.05	1686.91	71.48%	80.00%

ZONAL LUMEN SUMMARY

0-10	701.31
10-20	743.05
20-30	398.79
30-40	216.96
40-50	10.99
50-60	9.39
60-70	9.43
70-80	9.58
80-90	8.66
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):

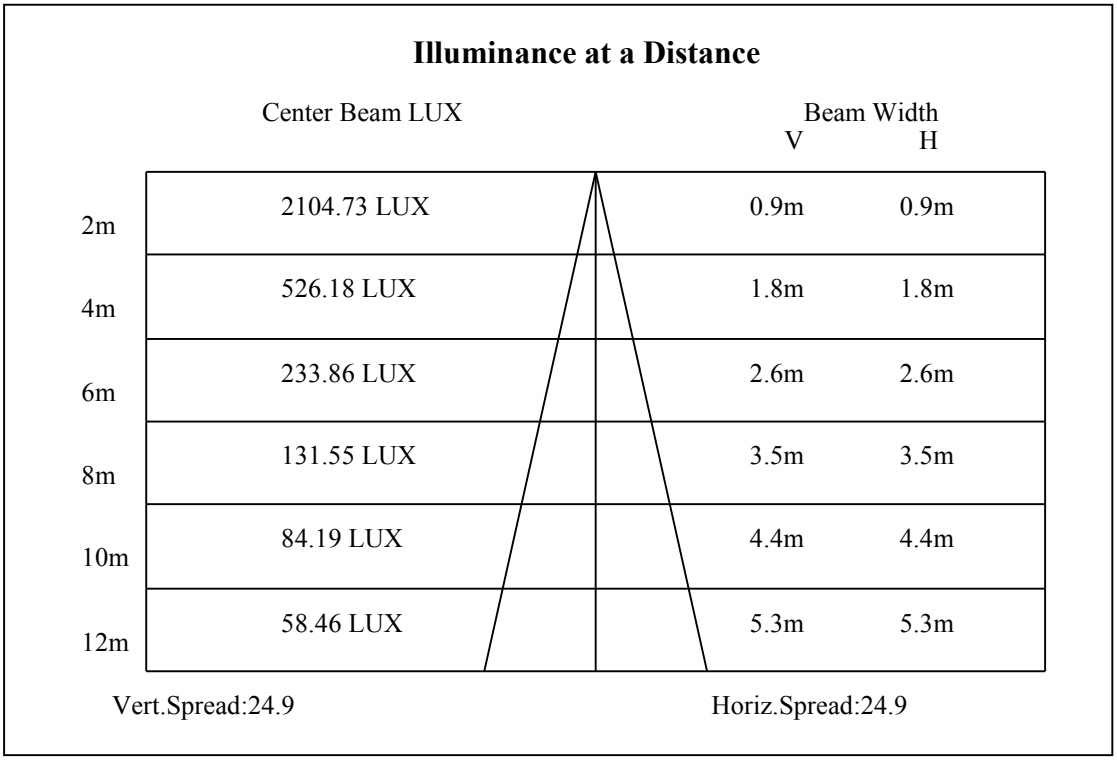
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:24.8 Right:24.8
:C90/270Left:24.8 Right:24.8

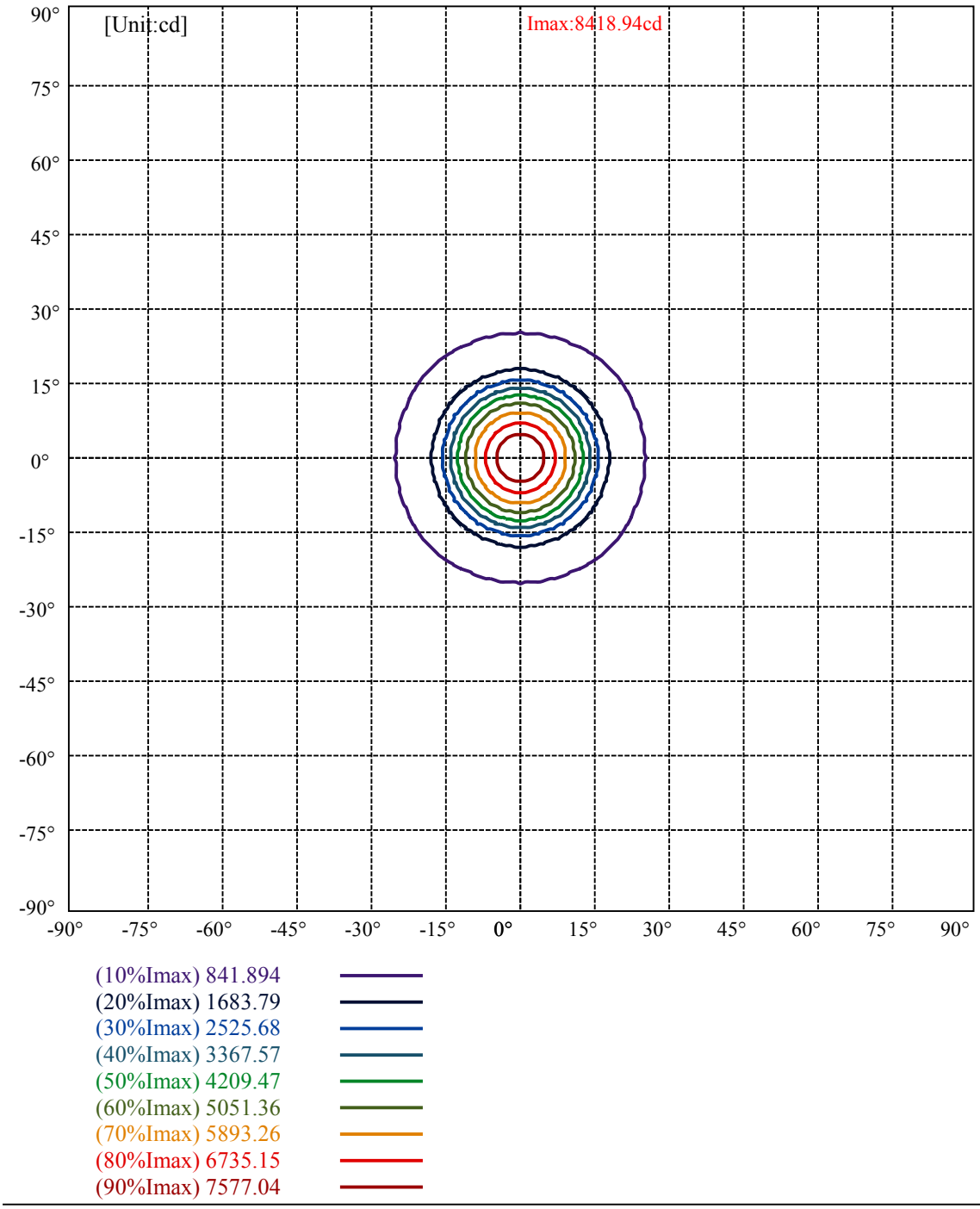
Beam Angle(50%Imax):C0/180Left:12.5 Right:12.5
:C90/270Left:12.5 Right:12.5

Lux distance Curve



Equipment: GMS1980 Date: 2019/1/21 Operator: NT07
Temperature(°C): 10.0 Humidity(%): 65.0% Distance(m): 7.50

ISO-Intensity(V-H)

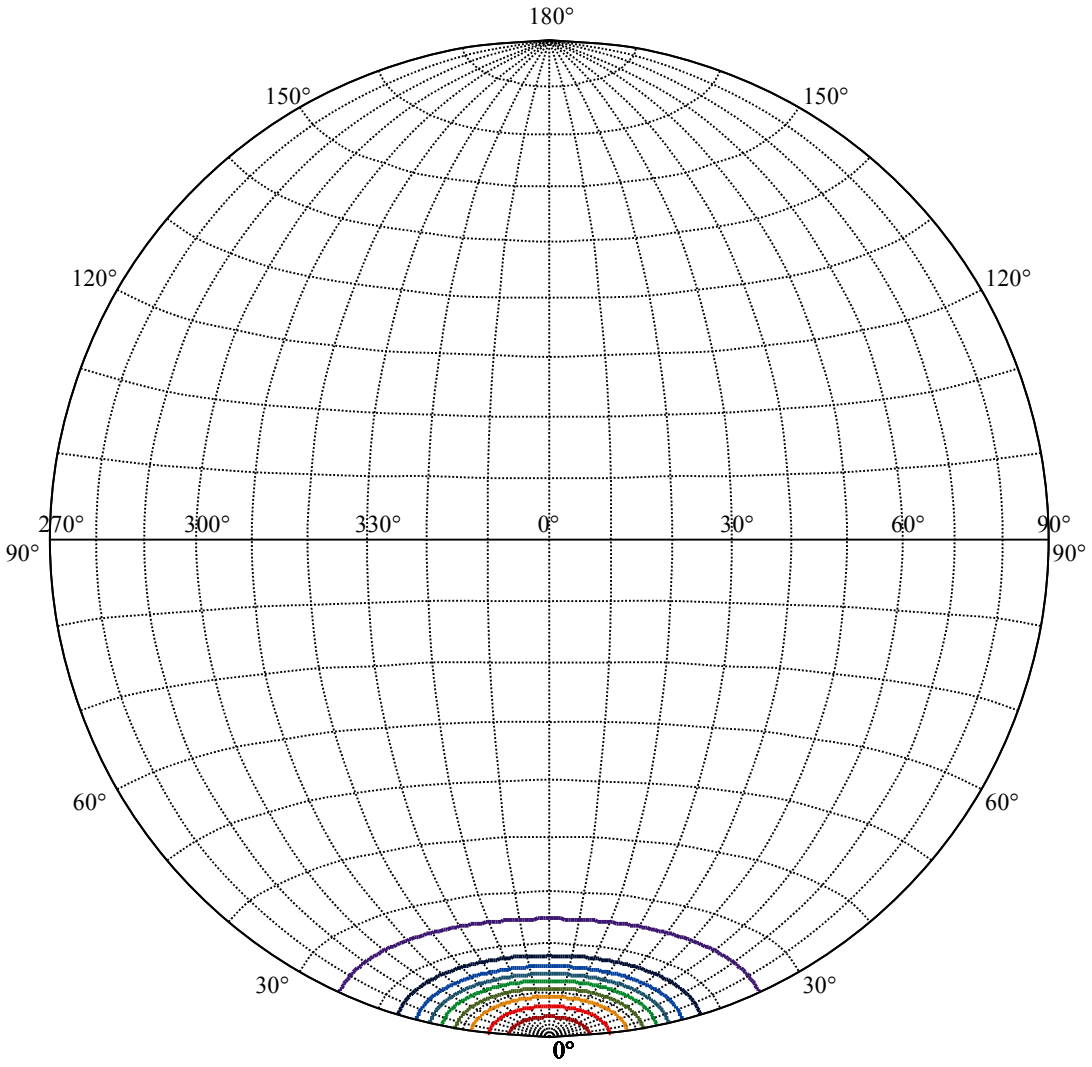


Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/1/21
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

ISO candela diagram on circular web



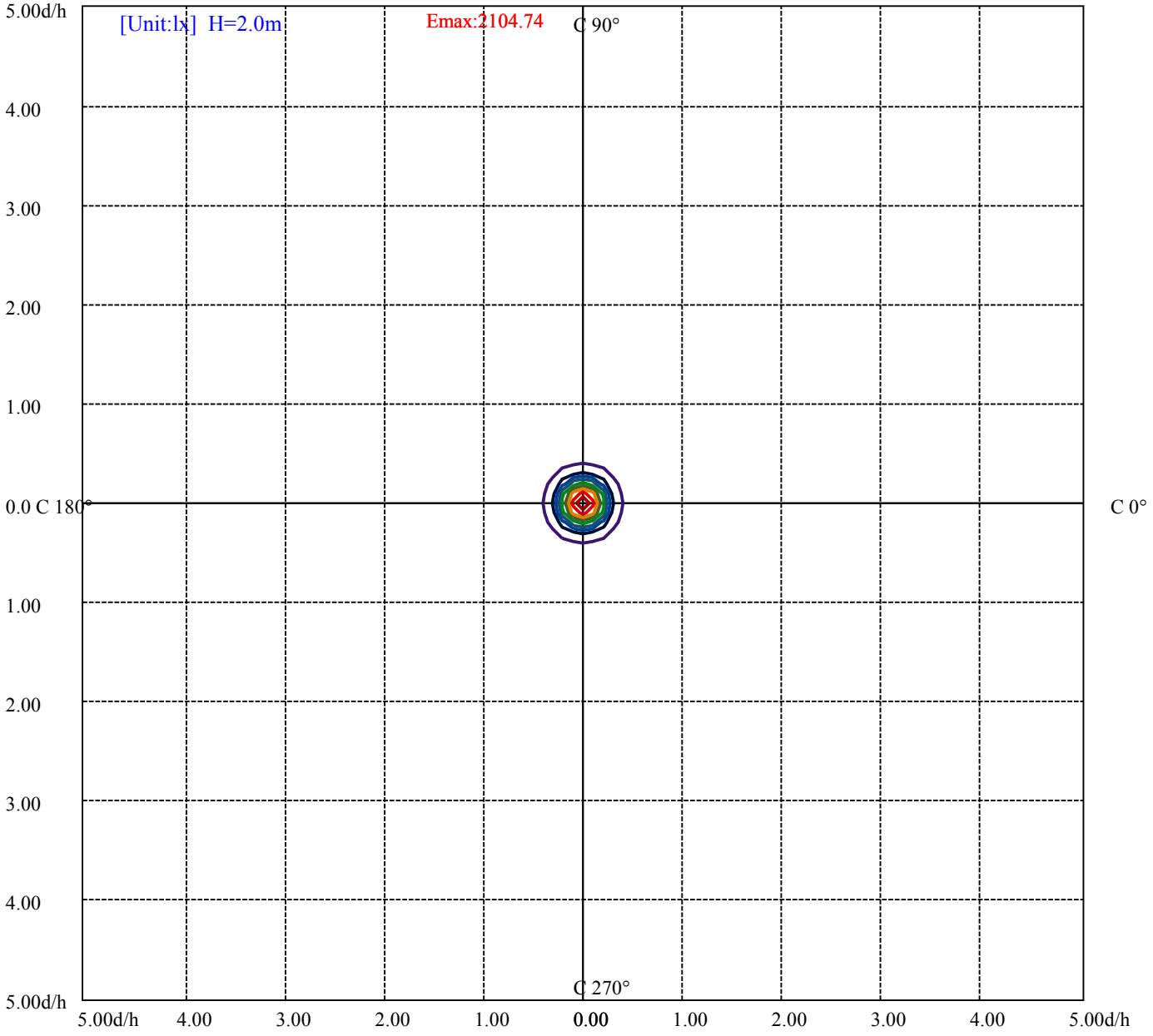
House [Unit:cd] Road

Imax:8418.94

(10%Imax) 841.894
(20%Imax) 1683.79
(30%Imax) 2525.68
(40%Imax) 3367.57
(50%Imax) 4209.47
(60%Imax) 5051.36
(70%Imax) 5893.26
(80%Imax) 6735.15
(90%Imax) 7577.04

Equipment: GMS1980 Date: 2019/1/21 Operator: NT07
Temperature(°C): 10.0 Humidity(%): 65.0% Distance(m): 7.50

ISO illuminance diagram

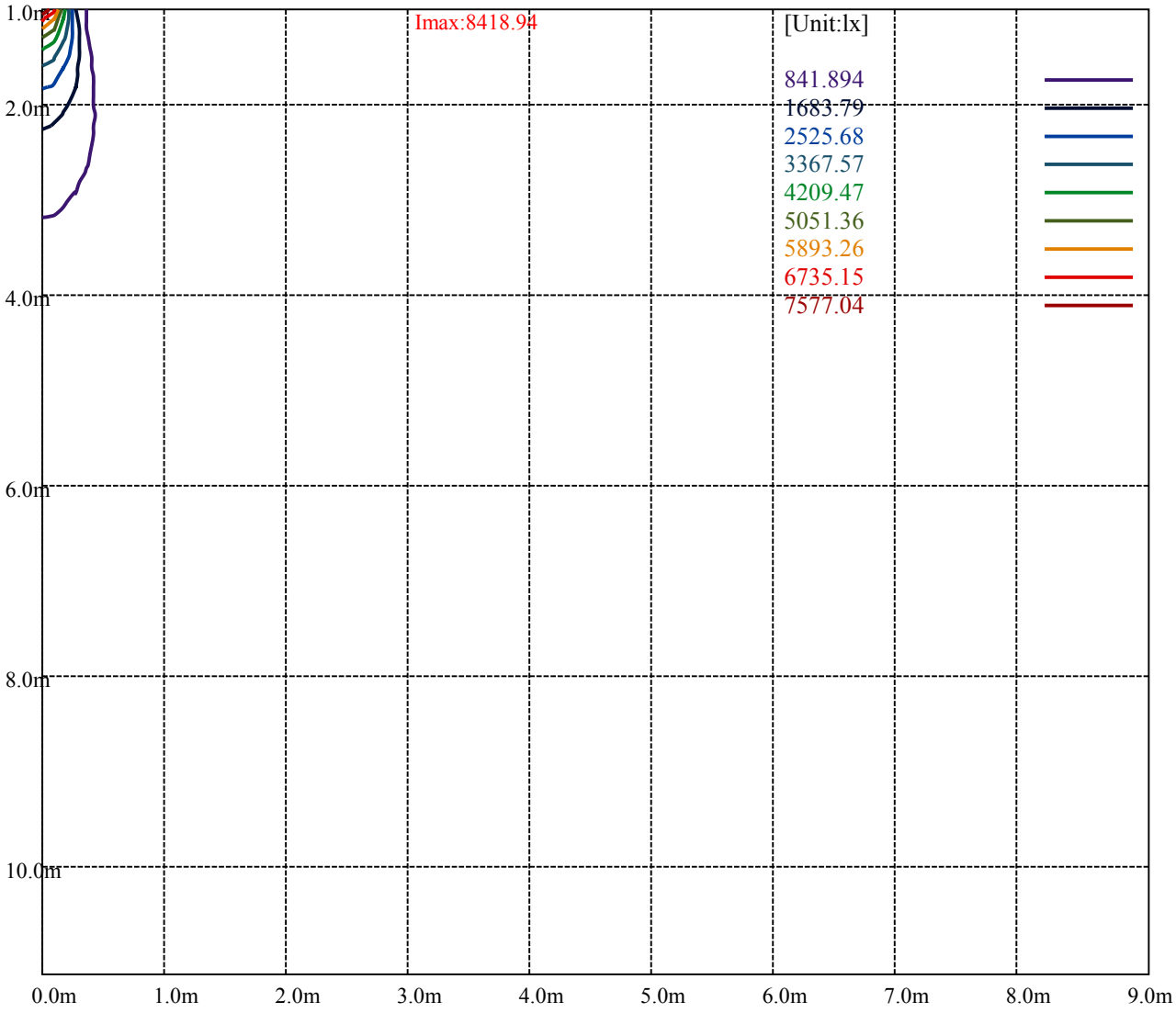


Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/1/21
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/1/21
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

NATA 3-1943-M

Luminance Limitting Curve(no luminous side)

Luminance Table

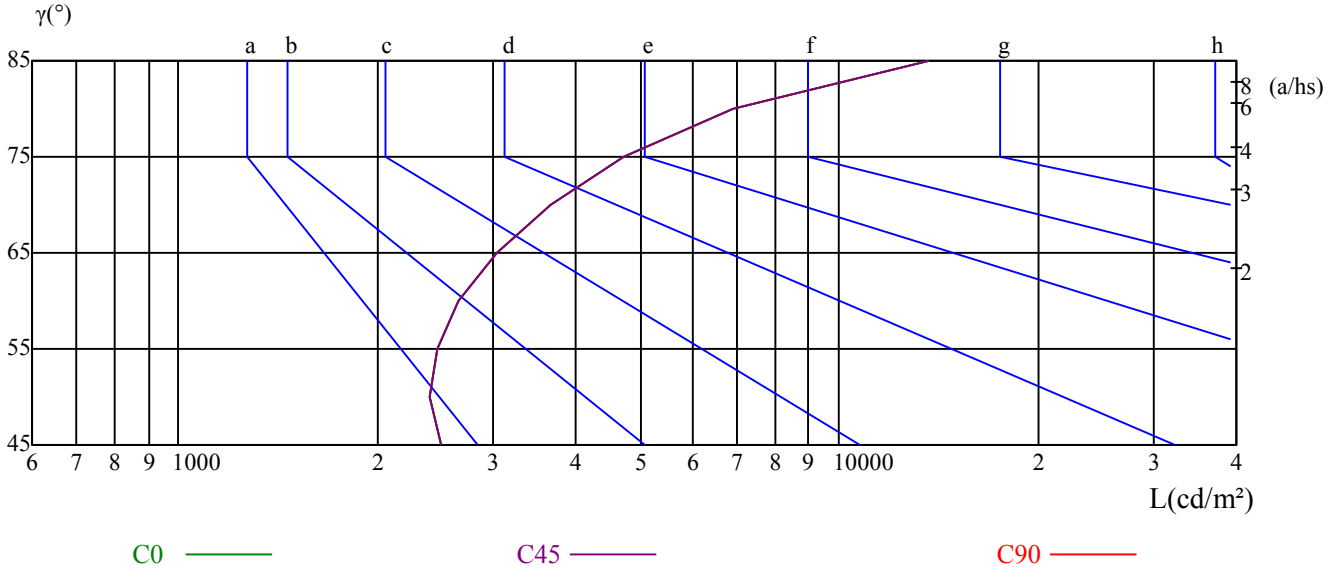
γ	45	50	55	60	65	70	75	80	85
C0	2503	2393	2461	2658	3032	3650	4716	6937	13700
C45	2503	2393	2461	2658	3032	3650	4716	6937	13700
C90	2503	2393	2461	2658	3032	3650	4716	6937	13700

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
3032	3032	3032	4716	4716	4716	13700	13700	13700

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): 10.0

Date: 2019/1/21
Humidity(%): 65.0%

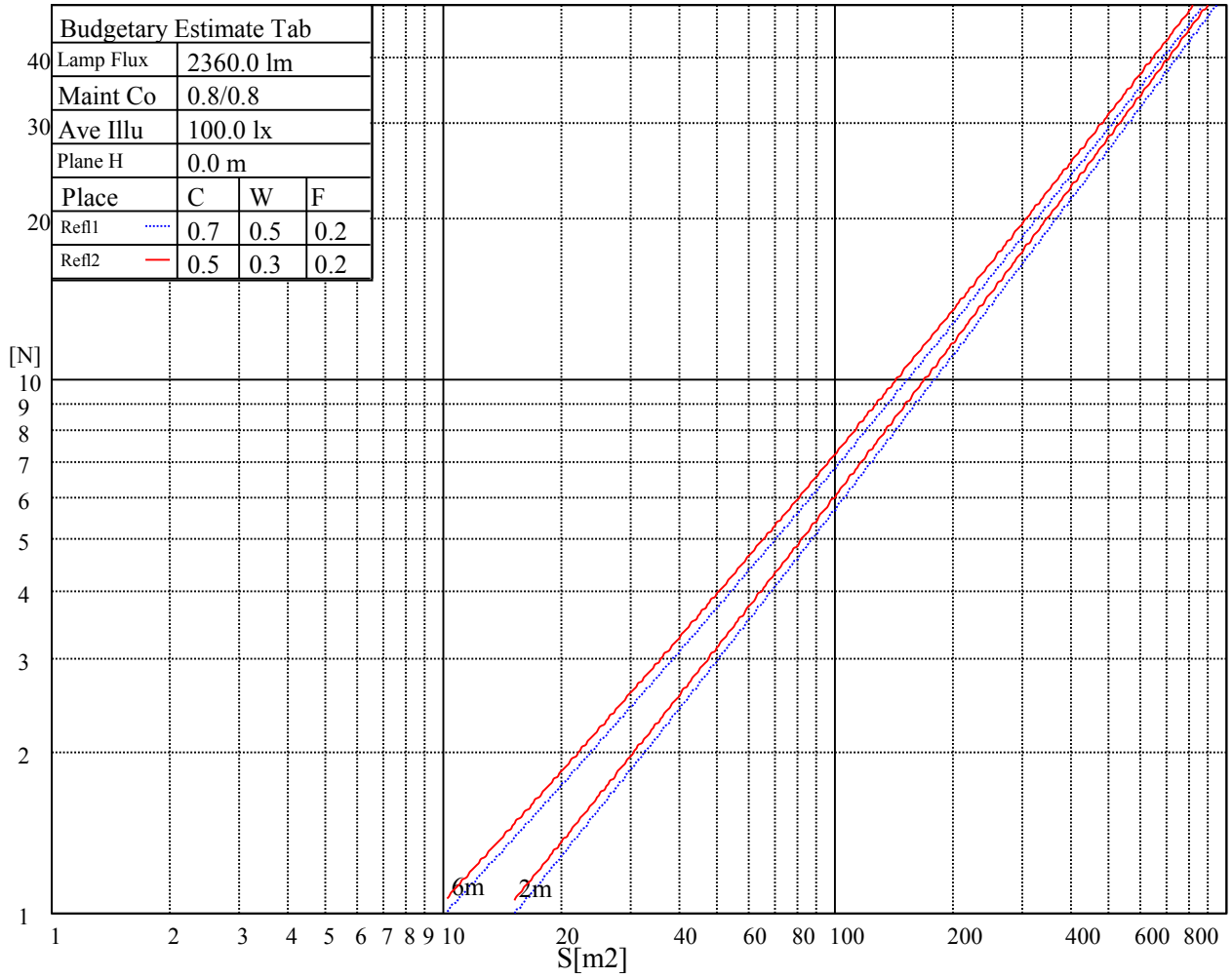
Operator: NT07
Distance(m): 7.50

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	1.51	2.42	1.88	2.73	3.05	1.48	2.39	1.85	2.70	3.02
	3H	4.64	5.44	5.02	5.78	6.15	4.63	5.44	5.02	5.77	6.14
	4H	6.34	7.09	6.75	7.44	7.83	6.34	7.09	6.75	7.44	7.83
	6H	8.27	8.95	8.69	9.33	9.73	8.26	8.94	8.68	9.32	9.72
	8H	9.35	9.99	9.79	10.38	10.79	9.34	9.97	9.77	10.37	10.78
	12H	11.10	11.71	11.54	12.10	12.53	11.08	11.69	11.52	12.08	12.51
4H	2H	2.38	3.13	2.79	3.48	3.87	2.36	3.11	2.77	3.46	3.85
	3H	5.77	6.38	6.18	6.79	7.19	5.77	6.38	6.19	6.79	7.20
	4H	7.65	8.19	8.09	8.62	9.07	7.65	8.19	8.09	8.62	9.07
	6H	9.74	10.20	10.21	10.66	11.13	9.73	10.20	10.20	10.65	11.12
	8H	10.91	11.35	11.39	11.80	12.28	10.90	11.34	11.38	11.79	12.26
	12H	12.57	12.94	13.06	13.43	13.91	12.55	12.92	13.04	13.41	13.89
8H	4H	8.36	8.80	8.84	9.25	9.72	8.36	8.80	8.84	9.25	9.72
	6H	10.73	11.07	11.24	11.57	12.06	10.72	11.06	11.23	11.57	12.05
	8H	12.09	12.40	12.63	12.92	13.42	12.08	12.39	12.62	12.91	13.41
	12H	13.89	14.15	14.41	14.65	15.23	13.88	14.13	14.40	14.63	15.22
12H	4H	8.56	8.94	9.06	9.43	9.90	8.56	8.94	9.06	9.43	9.91
	6H	11.24	11.34	11.58	11.82	12.37	11.23	11.34	11.57	11.81	12.36
	8H	12.54	12.80	13.06	13.30	13.88	12.53	12.79	13.05	13.29	13.87

Variation with the observer position at spacings:		
S = 1.0H	6.0/-7.1	6.0/-7.1
S = 1.5H	8.0/-5.1	8.0/-5.1
S = 2.0H	9.3/-3.7	9.3/-3.7
Standard tables:	BK3	BK3
Uncorrected UGR	-0.5	-0.5

Budgetary Estimate Table

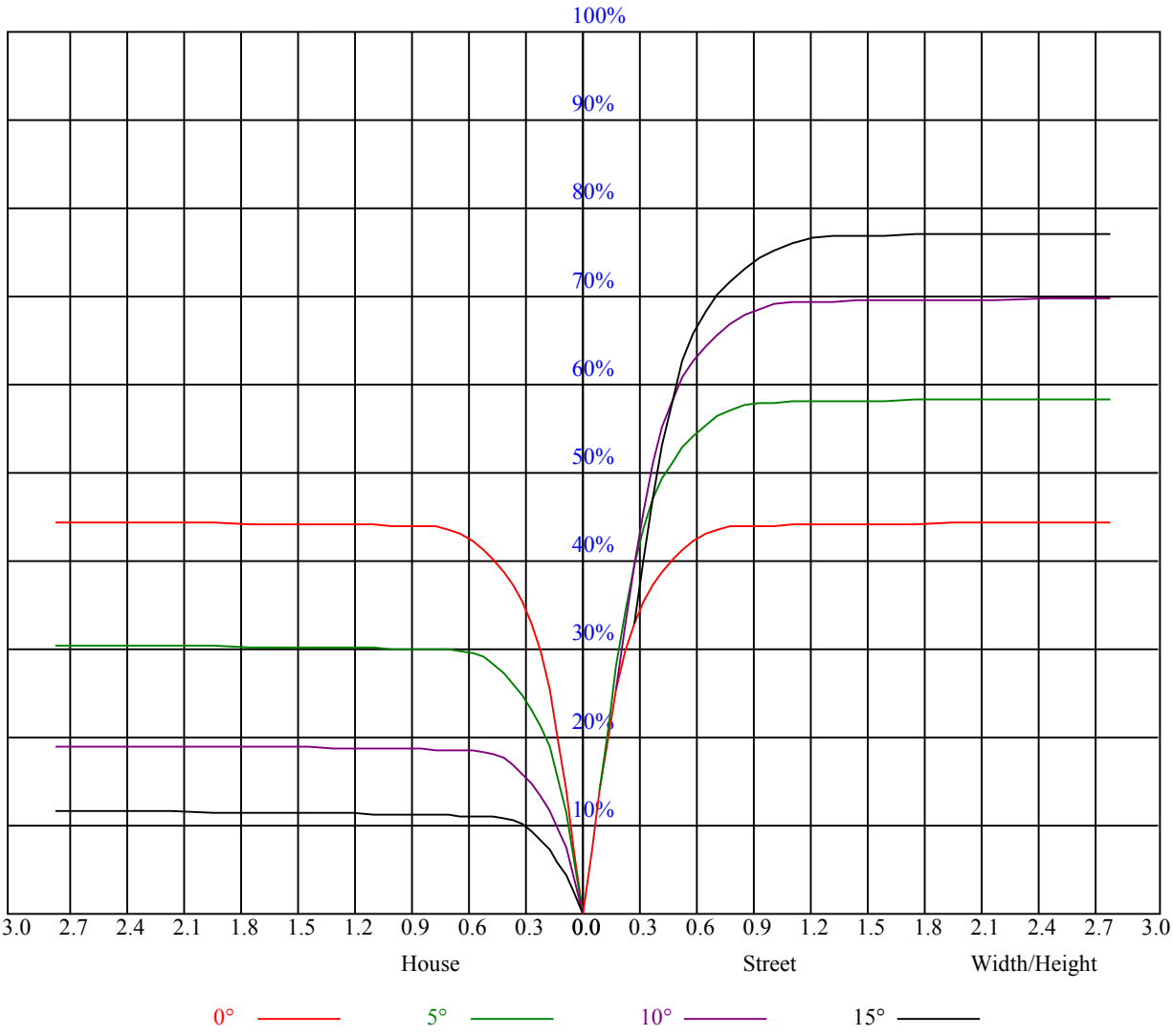


Equipment: GMS1980 Date: 2019/1/21 Operator: NT07
Temperature(°C): 10.0 Humidity(%): 65.0% Distance(m): 7.50

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

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2019/1/21	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	8417.25	8352.56	8192.81	8002.69	7731.00	7298.44	6908.06	6501.38	6028.88
45.0	8434.69	8393.63	8287.88	8061.75	7805.81	7490.25	7030.13	6641.44	6238.69
90.0	8420.06	8362.69	8215.88	7989.19	7719.75	7367.06	7013.25	6605.44	6195.38
135.0	8403.75	8417.25	8328.38	8188.31	7994.25	7683.19	7381.69	7044.75	6710.06
180.0	8417.25	8400.94	8294.63	8121.38	7939.13	7665.19	7355.81	6961.50	6574.50
225.0	8434.69	8368.88	8256.94	8069.63	7793.44	7540.31	7216.88	6779.81	6427.13
270.0	8420.06	8405.44	8286.75	8121.38	7898.63	7553.81	7228.13	6882.19	6525.56
315.0	8403.75	8321.06	8170.31	7936.88	7660.13	7277.63	6908.63	6470.44	6015.94
360.0	8417.25	8352.56	8192.81	8002.69	7731.00	7298.44	6908.06	6501.38	6028.88

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5544.00	5083.88	4530.38	4006.13	3395.81	2804.06	2339.44	1954.69	1604.25
45.0	5716.69	5274.00	4797.00	4205.81	3570.75	3013.31	2457.56	2012.63	1709.44
90.0	5807.25	5328.00	4803.19	4289.63	3746.25	3073.50	2581.88	2156.63	1771.88
135.0	6296.63	5937.75	5542.88	5041.13	4455.00	3814.31	3241.69	2647.13	2151.00
180.0	6227.44	5817.94	5374.69	4932.56	4443.19	3781.13	3238.88	2716.31	2203.88
225.0	6048.56	5541.19	5097.38	4613.06	4088.81	3397.50	2843.44	2350.13	1915.31
270.0	6063.19	5662.13	5225.06	4618.69	4083.19	3517.88	2892.38	2329.88	1981.13
315.0	5599.69	5099.63	4550.06	4023.56	3466.13	2793.94	2315.25	1927.13	1616.06
360.0	5544.00	5083.88	4530.38	4006.13	3395.81	2804.06	2339.44	1954.69	1604.25

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1406.81	1261.69	1129.50	1049.63	985.50	926.44	879.19	844.88	813.38
45.0	1455.19	1290.38	1145.81	1048.50	973.69	912.94	858.94	824.63	798.75
90.0	1495.13	1312.88	1112.12	1036.35	954.34	886.28	842.23	806.23	780.24
135.0	1802.81	1551.94	1338.19	1194.19	1080.56	980.44	907.88	856.13	817.88
180.0	1804.50	1540.13	1320.19	1121.23	1039.89	944.27	881.04	830.08	795.99
225.0	1607.63	1405.13	1191.94	1099.41	1008.56	928.97	875.53	832.44	801.06
270.0	1609.88	1397.25	1234.13	1085.63	996.75	929.25	868.50	834.75	810.00
315.0	1409.06	1276.31	1119.49	1072.97	1006.99	937.74	897.75	855.34	816.92
360.0	1406.81	1261.69	1129.50	1049.63	985.50	926.44	879.19	844.88	813.38

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	792.56	773.44	757.13	744.19	725.06	652.50	565.31	463.50	320.63
45.0	775.13	759.94	746.44	731.81	717.19	673.31	582.75	476.44	370.13
90.0	763.93	750.99	735.64	723.32	710.89	662.34	578.98	486.00	366.30
135.0	785.25	766.69	751.50	736.31	721.13	708.75	655.88	563.06	466.88
180.0	773.55	754.54	740.87	726.86	714.43	699.02	657.68	579.99	484.88
225.0	779.85	763.37	746.83	734.34	721.46	706.05	656.61	571.39	450.68
270.0	785.81	771.19	759.94	744.19	730.13	717.75	659.25	560.81	453.94
315.0	795.26	774.28	750.43	736.88	720.96	629.21	545.18	437.46	313.43
360.0	792.56	773.44	757.13	744.19	725.06	652.50	565.31	463.50	320.63

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	291.94	118.07	41.51	25.09	21.71	18.51	16.03	14.46	13.22
45.0	292.50	151.43	63.56	27.39	23.63	20.25	16.93	15.08	13.78
90.0	250.65	154.46	64.01	27.68	23.85	20.14	17.55	15.19	13.50
135.0	346.50	294.75	132.19	54.51	28.24	24.02	19.80	17.16	15.13
180.0	349.43	244.97	153.62	61.54	28.63	23.57	19.80	16.88	14.96
225.0	327.66	226.13	120.94	48.77	27.51	22.44	19.24	16.37	14.40
270.0	330.19	290.25	116.49	44.66	26.66	22.44	18.79	16.43	14.68
315.0	196.48	108.79	40.95	25.54	21.83	18.56	16.26	14.40	13.28
360.0	291.94	118.07	41.51	25.09	21.71	18.51	16.03	14.46	13.22

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	12.71	12.32	11.98	11.70	11.48	11.19	11.03	10.86	10.63
45.0	12.94	12.66	12.26	11.76	11.48	11.31	11.08	10.91	10.74
90.0	12.77	12.43	12.09	11.81	11.59	11.31	11.14	10.97	10.74
135.0	13.56	13.05	12.66	12.15	11.87	11.59	11.36	11.19	10.91
180.0	13.56	12.94	12.49	12.04	11.76	11.53	11.31	11.14	10.91
225.0	13.22	12.77	12.32	12.04	11.81	11.53	11.25	11.08	10.91
270.0	13.22	12.77	12.38	11.87	11.59	11.36	11.14	10.97	10.80
315.0	12.77	12.43	11.98	11.70	11.48	11.19	11.03	10.80	10.69
360.0	12.71	12.32	11.98	11.70	11.48	11.19	11.03	10.86	10.63

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	10.46	10.29	10.13	10.01	9.96	9.79	9.73	9.68	9.56
45.0	10.58	10.41	10.29	10.13	10.01	10.01	9.84	9.79	9.68
90.0	10.52	10.41	10.24	10.07	10.01	9.90	9.84	9.73	9.62
135.0	10.74	10.58	10.41	10.18	10.07	9.96	9.90	9.79	9.73
180.0	10.69	10.52	10.35	10.18	10.01	9.90	9.84	9.73	9.68
225.0	10.69	10.58	10.41	10.29	10.18	10.01	9.90	9.79	9.73
270.0	10.63	10.46	10.24	10.13	10.01	9.96	9.84	9.73	9.68
315.0	10.46	10.29	10.13	10.01	9.84	9.79	9.73	9.68	9.62
360.0	10.46	10.29	10.13	10.01	9.96	9.79	9.73	9.68	9.56

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	9.51	9.45	9.45	9.39	9.34	9.28	9.23	9.17	9.11
45.0	9.62	9.56	9.51	9.45	9.39	9.39	9.28	9.23	9.23
90.0	9.62	9.56	9.51	9.45	9.39	9.34	9.28	9.23	9.23
135.0	9.62	9.56	9.51	9.45	9.39	9.39	9.34	9.28	9.23
180.0	9.62	9.56	9.45	9.39	9.39	9.34	9.28	9.28	9.23
225.0	9.62	9.62	9.51	9.45	9.39	9.34	9.34	9.23	9.23
270.0	9.62	9.56	9.51	9.45	9.39	9.39	9.28	9.23	9.23
315.0	9.56	9.51	9.39	9.39	9.28	9.28	9.23	9.23	9.17
360.0	9.51	9.45	9.45	9.39	9.34	9.28	9.23	9.17	9.11

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.11	9.06	9.00	9.00	8.94	8.94	8.89	8.89	8.89
45.0	9.17	9.11	9.06	9.06	9.06	9.00	8.94	8.94	8.94
90.0	9.11	9.06	9.11	9.06	9.00	8.94	8.94	8.89	8.89
135.0	9.17	9.11	9.11	9.06	9.06	9.00	8.94	8.94	8.89
180.0	9.11	9.11	9.06	9.00	9.00	9.00	8.94	8.89	8.89
225.0	9.17	9.11	9.06	9.06	9.06	9.00	8.94	8.94	8.94
270.0	9.17	9.17	9.11	9.00	9.06	9.00	9.00	8.94	8.94
315.0	9.11	9.06	9.06	9.00	9.00	8.94	8.94	8.94	8.89
360.0	9.11	9.06	9.00	9.00	8.94	8.94	8.89	8.89	8.89

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	8.89	8.83	8.83	8.78	8.78	8.78	8.72	8.78	8.72
45.0	8.89	8.89	8.89	8.83	8.83	8.83	8.83	8.78	8.78
90.0	8.89	8.83	8.83	8.83	8.83	8.78	8.78	8.78	8.78
135.0	8.89	8.89	8.83	8.83	8.83	8.83	8.83	8.78	8.78
180.0	8.89	8.83	8.78	8.83	8.83	8.78	8.78	8.78	8.72
225.0	8.89	8.89	8.89	8.83	8.83	8.83	8.83	8.78	8.78
270.0	8.94	8.89	8.89	8.89	8.89	8.83	8.78	8.78	8.78
315.0	8.89	8.83	8.83	8.89	8.83	8.78	8.78	8.78	8.78
360.0	8.89	8.83	8.83	8.78	8.78	8.78	8.72	8.78	8.72

Intensity data(cd)

C/γ(°)	90.0
0.0	8.78
45.0	8.78
90.0	8.78
135.0	8.78
180.0	8.72
225.0	8.78
270.0	8.78
315.0	8.78
360.0	8.78