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NATA

LumCAT: 1449-E
Luminaire: 92.70.051.00

Report No: NATA0100	Voltage(V): 10.2400
Test No: GC2019010811	Current(A): 0.6000
LampCAT: BRIDGELUX V6	Power (W): 6.1440
Lamp flux(lm): 519.0	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): 460.10
Efficiency(%): 88.65%
Lumens(lm)/Power(W): 75.01
Central intensity(cd): 3268.828
Maximum intensity(cd): 3268.828
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=13.2
[C90/270]Total=13.2
Field angle(10%Imax): [C0/180]Total=28.3
[C90/270]Total=28.3
Maximum s/h(1/2): C0_180=0.23 C90_270=0.23
Maximum s/h(1/4): C0_180=0.24 C90_270=0.24
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 88.80%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.377%

Equipment: GMS1980	Date: 2019/1/8	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	3268.828	0.782	0.782	.151%	.170%
1.0	3224.039	6.170	6.952	1.189%	1.511%
2.0	3081.094	11.792	18.744	2.272%	4.074%
3.0	2836.477	16.279	35.023	3.137%	7.612%
4.0	2528.719	19.344	54.367	3.727%	11.816%
5.0	2192.555	20.956	75.322	4.038%	16.371%
6.0	1844.016	21.137	96.46	4.073%	20.965%
7.0	1486.083	19.860	116.32	3.827%	25.282%
8.0	1192.324	18.197	134.517	3.506%	29.237%
9.0	969.898	16.638	151.155	3.206%	32.853%
10.0	763.980	14.548	165.704	2.803%	36.015%
11.0	604.041	12.639	178.343	2.435%	38.762%
12.0	478.350	10.906	189.249	2.101%	41.132%
13.0	385.770	9.516	198.765	1.834%	43.201%
14.0	331.172	8.786	207.551	1.693%	45.110%
15.0	296.888	8.426	215.977	1.624%	46.942%
16.0	275.470	8.327	224.304	1.604%	48.751%
17.0	254.194	8.150	232.454	1.570%	50.523%
18.0	240.560	8.152	240.606	1.571%	52.295%
19.0	229.078	8.179	248.784	1.576%	54.072%
20.0	219.375	8.228	257.012	1.585%	55.860%
21.0	210.874	8.287	265.299	1.597%	57.662%
22.0	203.766	8.371	273.67	1.613%	59.481%
23.0	197.817	8.476	282.146	1.633%	61.323%
24.0	191.939	8.561	290.707	1.650%	63.184%
25.0	186.912	8.662	299.369	1.669%	65.067%
26.0	182.538	8.775	308.144	1.691%	66.974%
27.0	178.291	8.876	317.021	1.710%	68.903%
28.0	174.720	8.995	326.016	1.733%	70.858%
29.0	171.204	9.102	335.118	1.754%	72.836%
30.0	167.998	9.211	344.329	1.775%	74.838%
31.0	164.588	9.296	353.625	1.791%	76.859%
32.0	161.381	9.378	363.003	1.807%	78.897%
33.0	158.449	9.463	372.466	1.823%	80.954%
34.0	155.299	9.523	381.99	1.835%	83.024%
35.0	151.242	9.513	391.503	1.833%	85.091%
36.0	147.312	9.495	400.998	1.830%	87.155%
37.0	142.952	9.434	410.432	1.818%	89.206%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	133.784	9.032	419.464	1.740%	91.169%
39.0	117.155	8.085	427.549	1.558%	92.926%
40.0	96.659	6.813	434.363	1.313%	94.407%
41.0	73.603	5.295	439.658	1.020%	95.558%
42.0	50.098	3.676	443.334	.708%	96.357%
43.0	29.876	2.234	445.568	.431%	96.842%
44.0	16.910	1.288	446.857	.248%	97.122%
45.0	10.927	0.847	447.704	.163%	97.306%
46.0	9.302	0.734	448.438	.141%	97.466%
47.0	8.311	0.667	449.104	.128%	97.611%
48.0	7.320	0.596	449.701	.115%	97.740%
49.0	6.448	0.534	450.234	.103%	97.856%
50.0	5.259	0.442	450.676	.085%	97.952%
51.0	4.036	0.344	451.02	.066%	98.027%
52.0	3.572	0.309	451.329	.059%	98.094%
53.0	3.298	0.289	451.618	.056%	98.157%
54.0	3.101	0.275	451.893	.053%	98.217%
55.0	2.918	0.262	452.155	.051%	98.274%
56.0	2.798	0.254	452.409	.049%	98.329%
57.0	2.700	0.248	452.658	.048%	98.383%
58.0	2.630	0.245	452.902	.047%	98.436%
59.0	2.552	0.240	453.142	.046%	98.488%
60.0	2.524	0.240	453.382	.046%	98.540%
61.0	2.461	0.236	453.618	.045%	98.592%
62.0	2.440	0.236	453.854	.046%	98.643%
63.0	2.412	0.236	454.09	.045%	98.694%
64.0	2.363	0.233	454.323	.045%	98.745%
65.0	2.341	0.233	454.555	.045%	98.795%
66.0	2.327	0.233	454.788	.045%	98.846%
67.0	2.313	0.234	455.022	.045%	98.897%
68.0	2.292	0.233	455.255	.045%	98.948%
69.0	2.285	0.234	455.489	.045%	98.998%
70.0	2.257	0.233	455.721	.045%	99.049%
71.0	2.222	0.230	455.952	.044%	99.099%
72.0	2.222	0.232	456.184	.045%	99.149%
73.0	2.201	0.231	456.414	.044%	99.200%
74.0	2.180	0.230	456.644	.044%	99.249%
75.0	2.194	0.232	456.877	.045%	99.300%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	2.236	0.238	457.114	.046%	99.352%
77.0	2.222	0.237	457.352	.046%	99.403%
78.0	2.215	0.238	457.589	.046%	99.455%
79.0	2.208	0.238	457.827	.046%	99.507%
80.0	2.173	0.235	458.062	.045%	99.558%
81.0	2.123	0.230	458.292	.044%	99.608%
82.0	2.046	0.222	458.514	.043%	99.656%
83.0	2.018	0.220	458.734	.042%	99.704%
84.0	1.997	0.218	458.951	.042%	99.751%
85.0	2.011	0.220	459.171	.042%	99.799%
86.0	1.969	0.215	459.386	.041%	99.845%
87.0	1.934	0.212	459.598	.041%	99.892%
88.0	1.835	0.201	459.799	.039%	99.935%
89.0	1.828	0.200	460	.039%	99.979%
90.0	1.779	0.098	460.097	.019%	100.000%

Zonal flux distribution table

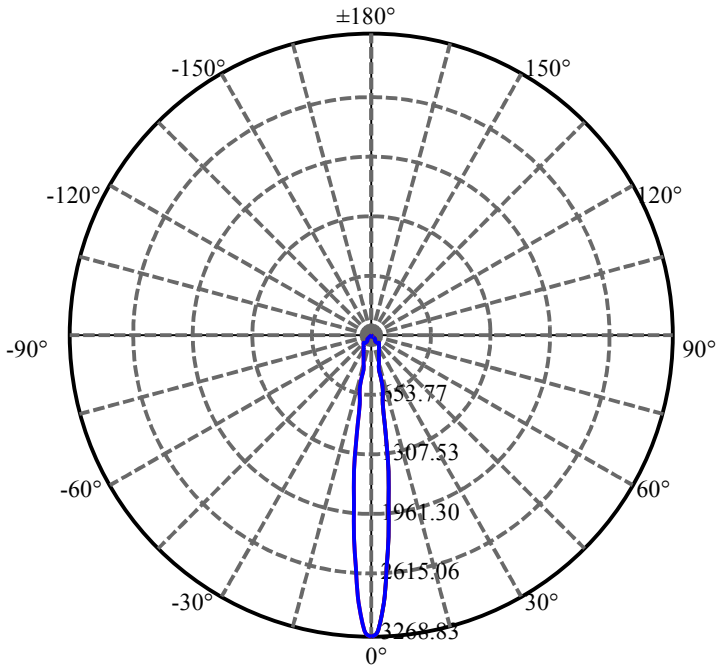
ZONAL LUMEN SUMMARY

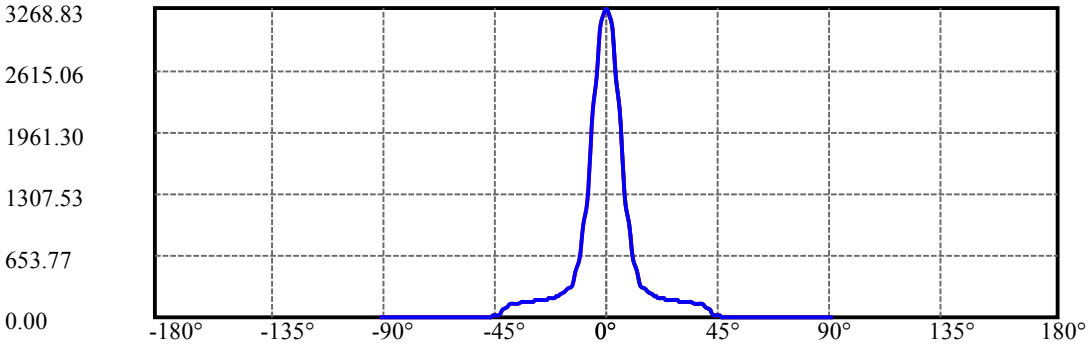
Zone	Lumens	%Lamp	%Fixt
0-30	344.33	66.34%	74.84%
0-40	434.36	83.69%	94.41%
0-60	453.38	87.36%	98.54%
0-90	460.00	88.63%	99.98%
0-120	460.00	88.63%	99.98%
0-180	460.10	88.65%	100.00%
60-90	6.86	1.32%	1.49%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-32.54	368.08	70.92%	80.00%

ZONAL LUMEN SUMMARY

0-10	165.70
10-20	91.31
20-30	87.32
30-40	90.03
40-50	16.31
50-60	2.71
60-70	2.34
70-80	2.34
80-90	1.94
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:

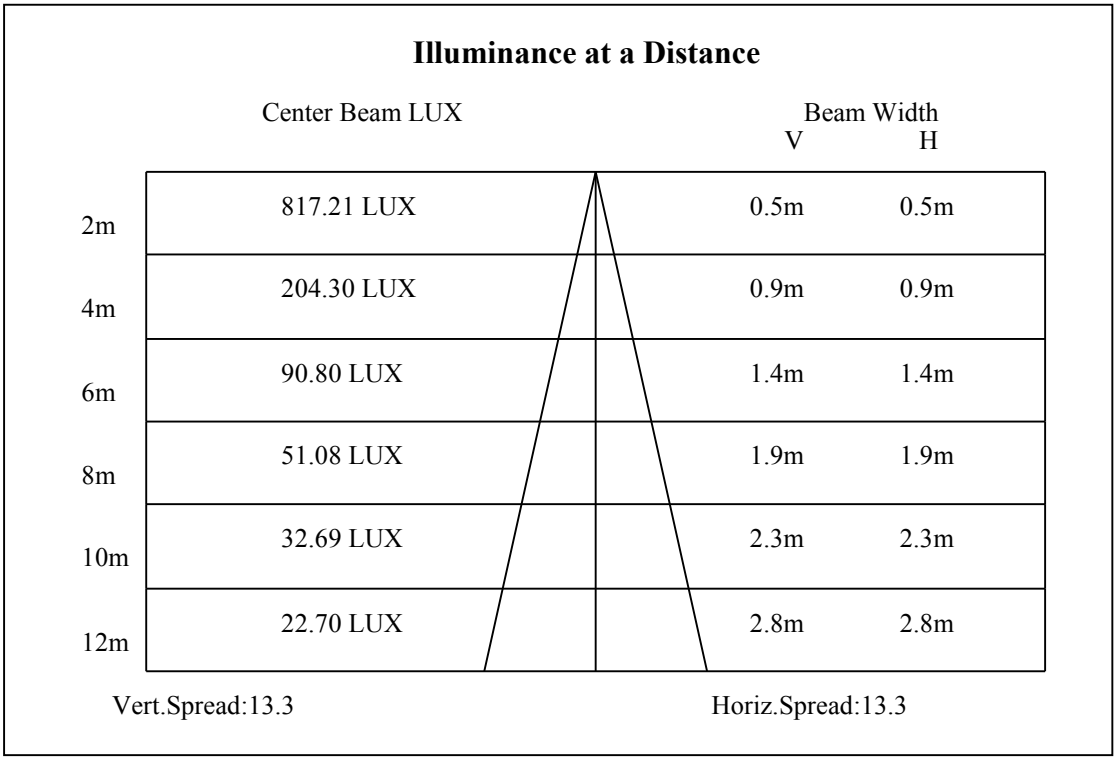
C90/C270:

Field angle(10%Imax):C0/180Left:14.1 Right:14.1
:C90/270Left:14.1 Right:14.1

Beam Angle(50%Imax):C0/180Left:6.6 Right:6.6
:C90/270Left:6.6 Right:6.6

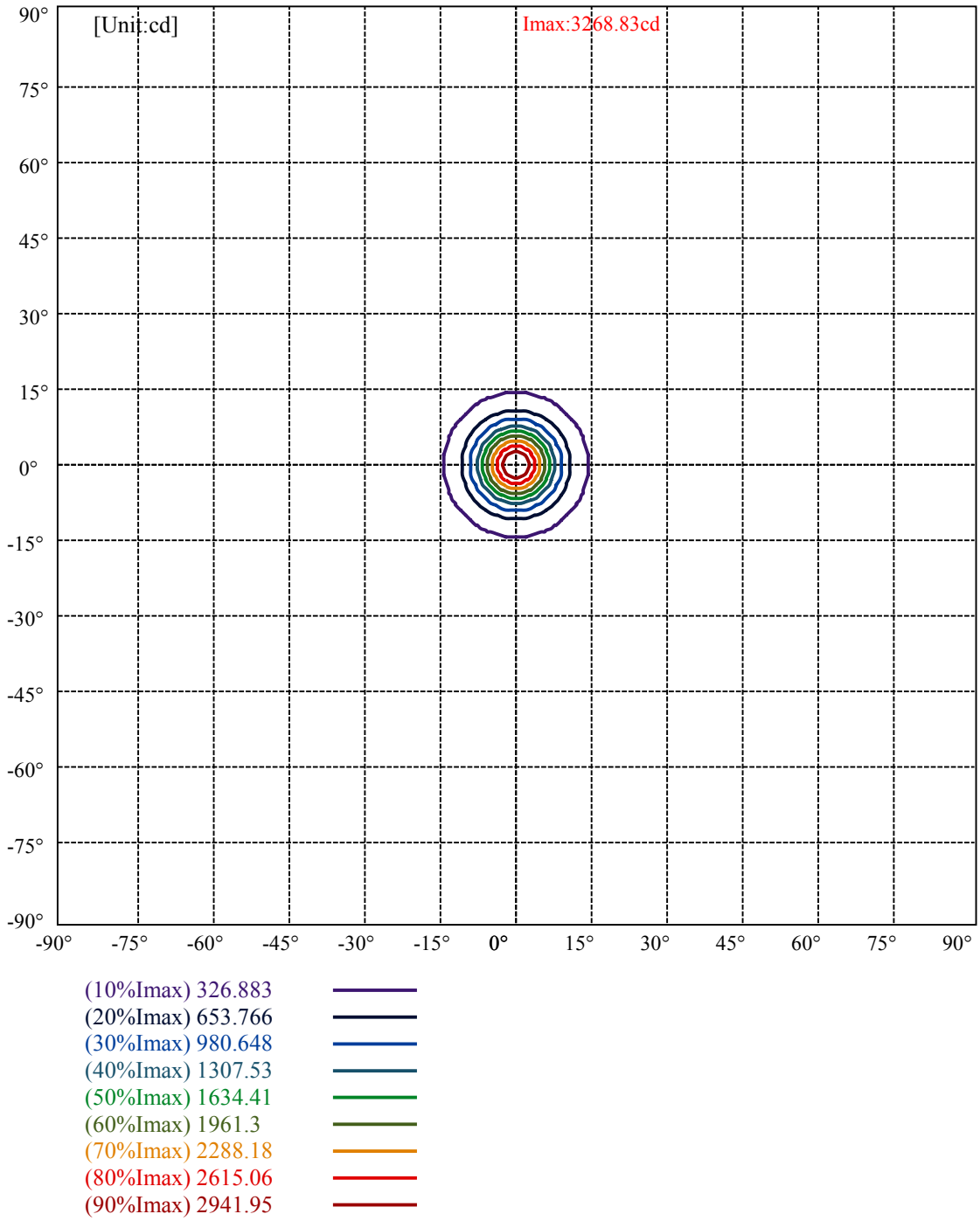
Equipment: GMS1980 Date: 2019/1/8 Operator: NT07
Temperature(°C): 10.0 Humidity(%): 65.0% Distance(m): 7.50

Lux distance Curve



Equipment: GMS1980 Date: 2019/1/8 Operator: NT07
Temperature(°C): 10.0 Humidity(%): 65.0% Distance(m): 7.50

ISO-Intensity(V-H)

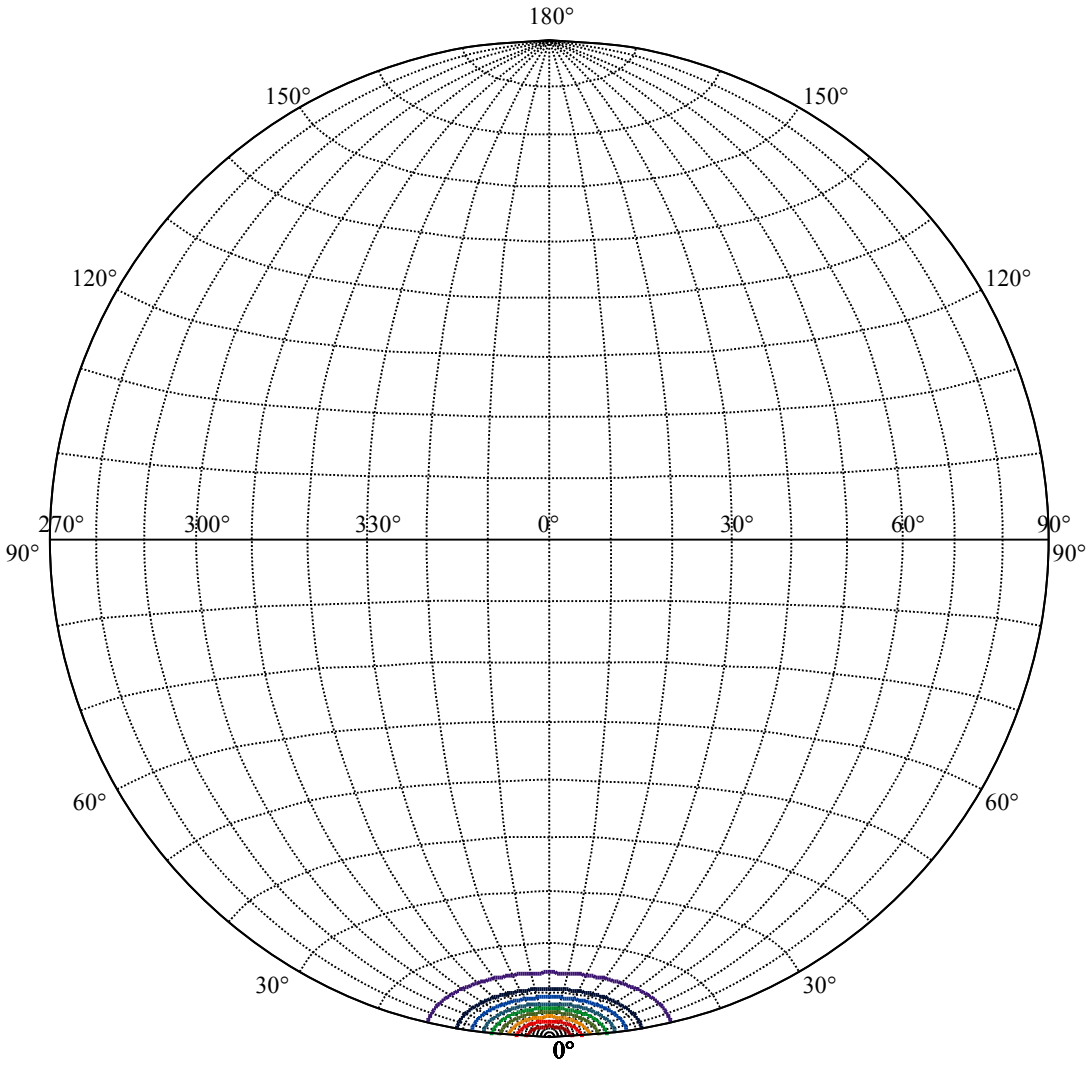


Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/1/8
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:3268.83

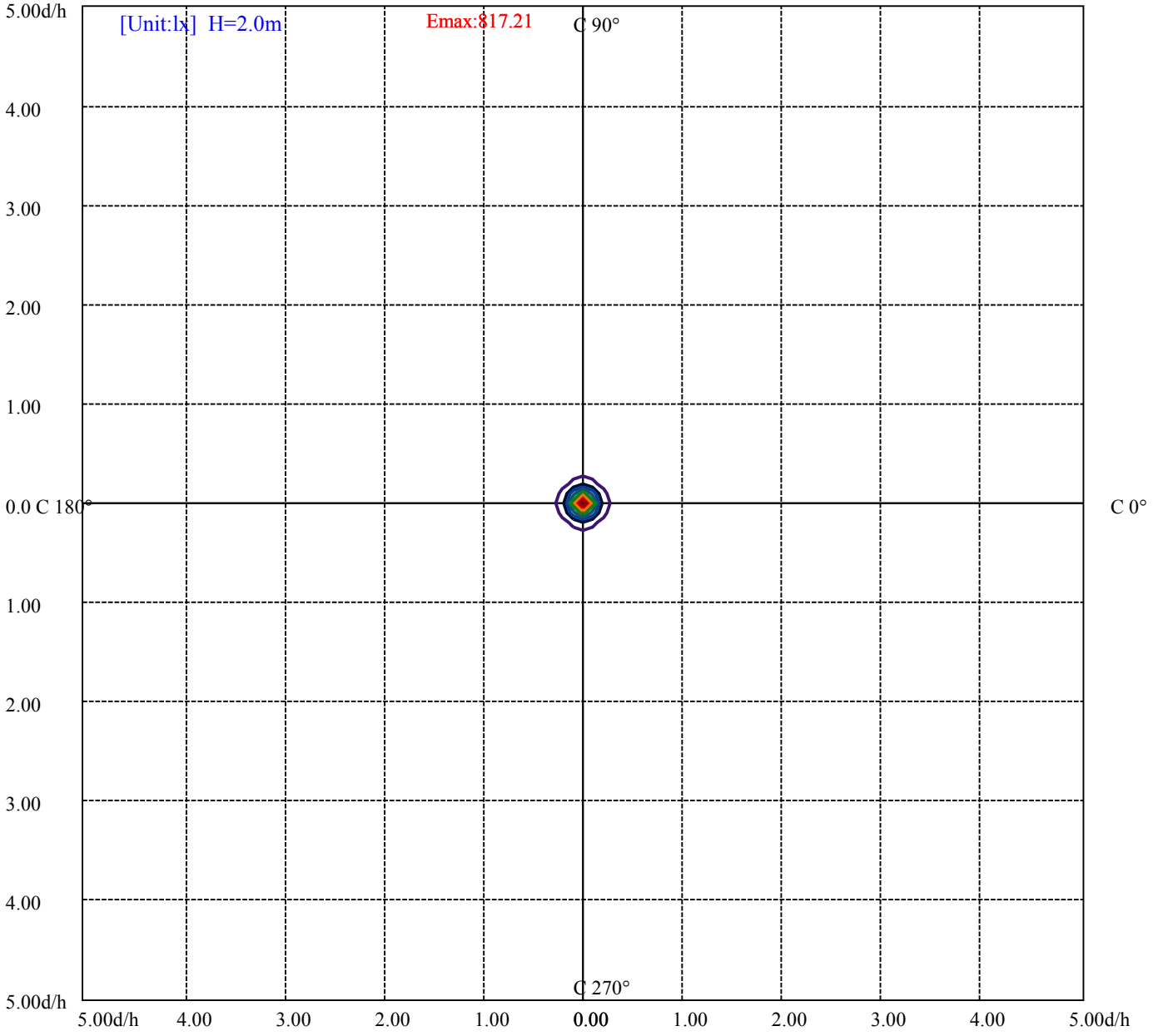
(10%Imax) 326.883
(20%Imax) 653.766
(30%Imax) 980.648
(40%Imax) 1307.53
(50%Imax) 1634.41
(60%Imax) 1961.3
(70%Imax) 2288.18
(80%Imax) 2615.06
(90%Imax) 2941.95

Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/1/8
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

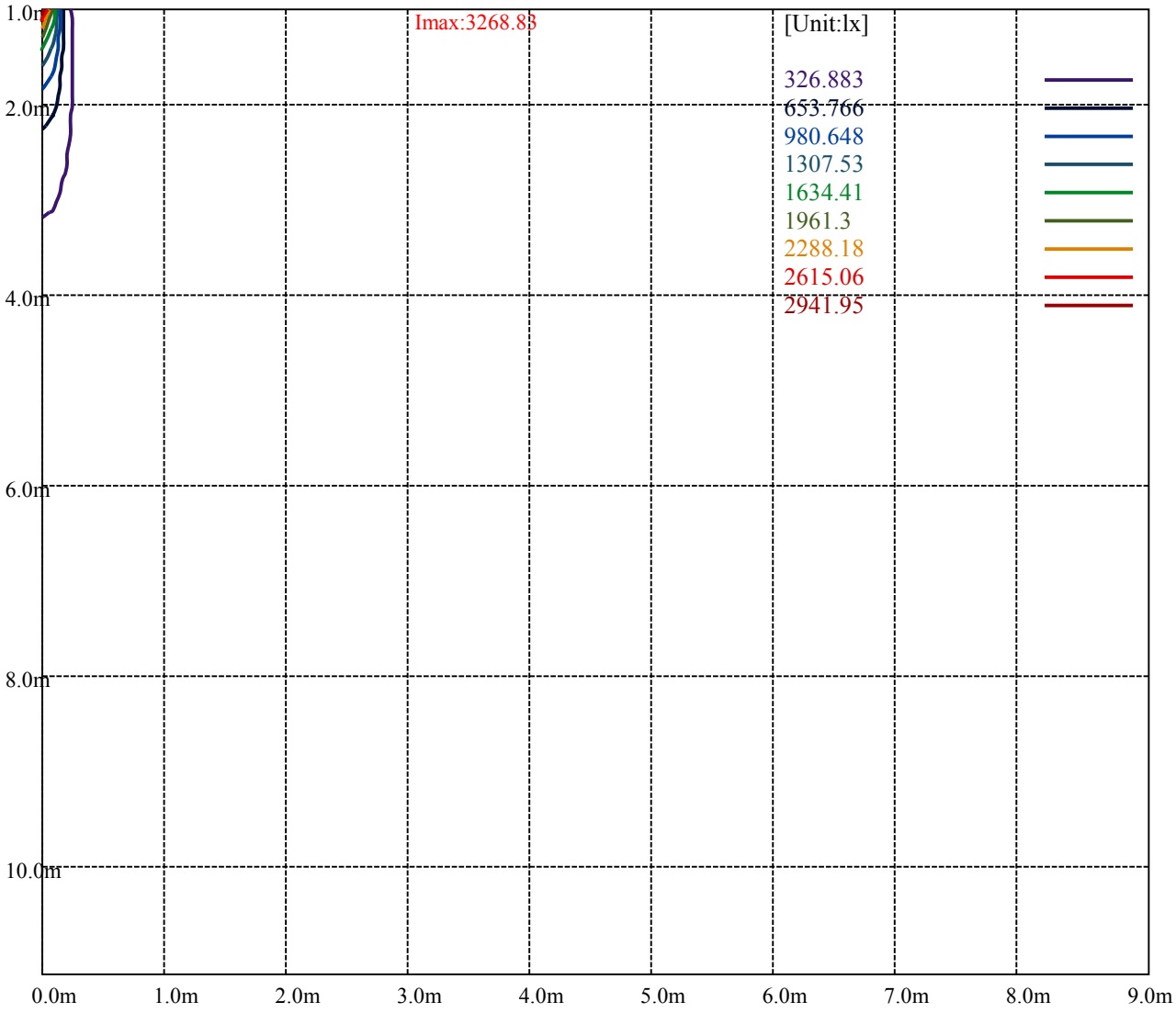
ISO illuminance diagram



(10%Emax) 81.7205
(20%Emax) 163.441
(30%Emax) 245.1615
(40%Emax) 326.8825
(50%Emax) 408.6025
(60%Emax) 490.3225
(70%Emax) 572.0425
(80%Emax) 653.765
(90%Emax) 735.485

Equipment: GMS1980
Temperature(°C): 10.0
Date: 2019/1/8
Humidity(%): 65.0%
Operator: NT07
Distance(m): 7.50

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 10.0

Date: 2019/1/8
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Luminance Limitting Curve(no luminous side)

Luminance Table

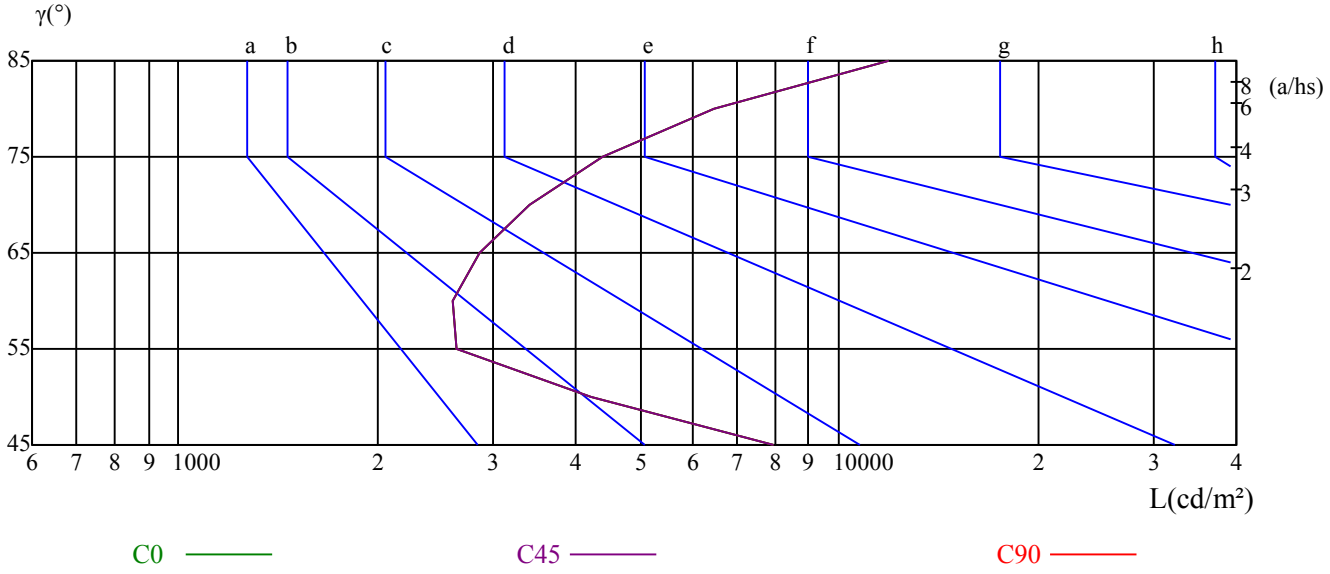
γ	45	50	55	60	65	70	75	80	85
C0	7982	4226	2628	2608	2862	3409	4378	6463	11918
C45	7982	4226	2628	2608	2862	3409	4378	6463	11918
C90	7982	4226	2628	2608	2862	3409	4378	6463	11918

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2862	2862	2862	4378	4378	4378	11918	11918	11918

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

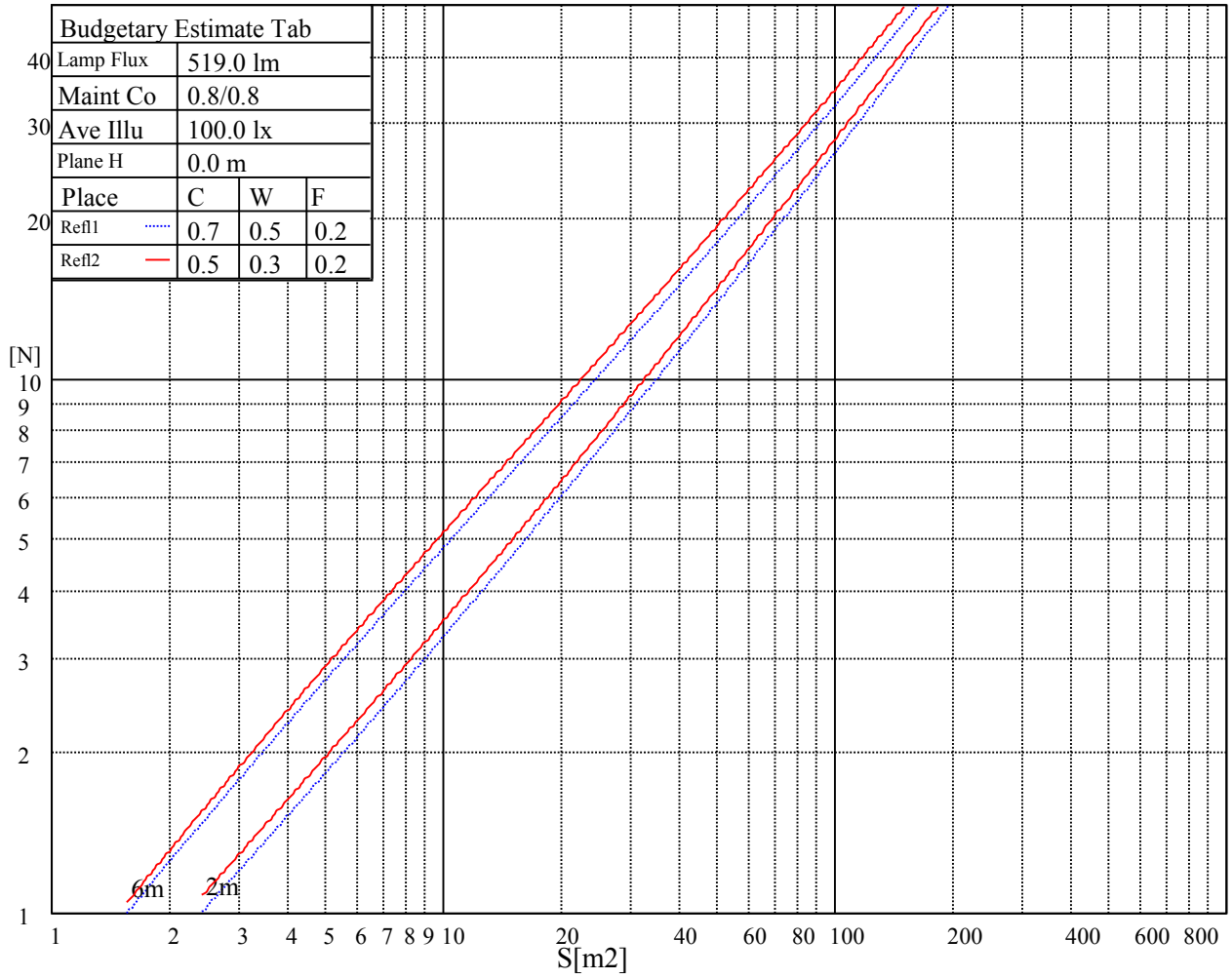


UGR Glare

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	7.85	8.78	8.21	9.09	9.41	7.26	8.19	7.63	8.50	8.82
	3H	10.66	11.48	11.04	11.81	12.18	10.06	10.88	10.44	11.21	11.58
	4H	12.26	13.02	12.67	13.38	13.77	11.61	12.37	12.02	12.72	13.12
	6H	14.04	14.74	14.46	15.11	15.51	13.45	14.14	13.86	14.52	14.91
	8H	15.04	15.69	15.47	16.08	16.49	14.45	15.11	14.89	15.50	15.91
	12H	16.68	17.30	17.12	17.69	18.12	16.07	16.70	16.51	17.08	17.51
4H	2H	8.48	9.24	8.89	9.59	9.98	8.04	8.80	8.45	9.16	9.55
	3H	11.61	12.24	12.03	12.65	13.05	11.14	11.76	11.56	12.17	12.58
	4H	13.42	13.98	13.86	14.41	14.86	12.90	13.46	13.34	13.88	14.33
	6H	15.30	15.77	15.77	16.23	16.70	14.84	15.32	15.31	15.77	16.24
	8H	16.44	16.88	16.92	17.34	17.81	15.97	16.41	16.45	16.87	17.34
	12H	18.05	18.43	18.54	18.92	19.40	17.52	17.90	18.01	18.39	18.86
8H	4H	14.06	14.50	14.54	14.96	15.43	13.66	14.10	14.14	14.55	15.03
	6H	16.26	16.61	16.77	17.11	17.60	15.91	16.26	16.42	16.76	17.25
	8H	17.58	17.89	18.12	18.41	18.91	17.21	17.52	17.74	18.04	18.54
	12H	19.33	19.60	19.85	20.09	20.68	18.88	19.14	19.40	19.64	20.23
12H	4H	14.24	14.62	14.73	15.11	15.59	13.88	14.26	14.37	14.75	15.23
	6H	16.77	16.86	17.09	17.33	17.88	16.46	16.55	16.78	17.03	17.58
	8H	17.99	18.26	18.52	18.76	19.34	17.67	17.93	18.19	18.43	19.01

Variation with the observer position at spacings:		
S = 1.0H	4.1/-8.6	4.1/-8.6
S = 1.5H	6.2/-6.6	6.2/-6.6
S = 2.0H	7.7/-5.3	7.7/-5.3
Standard tables:	BK2	BK2
Uncorrected UGR	1.2	1.2

Budgetary Estimate Table



Equipment: GMS1980
Temperature(°C): 10.0

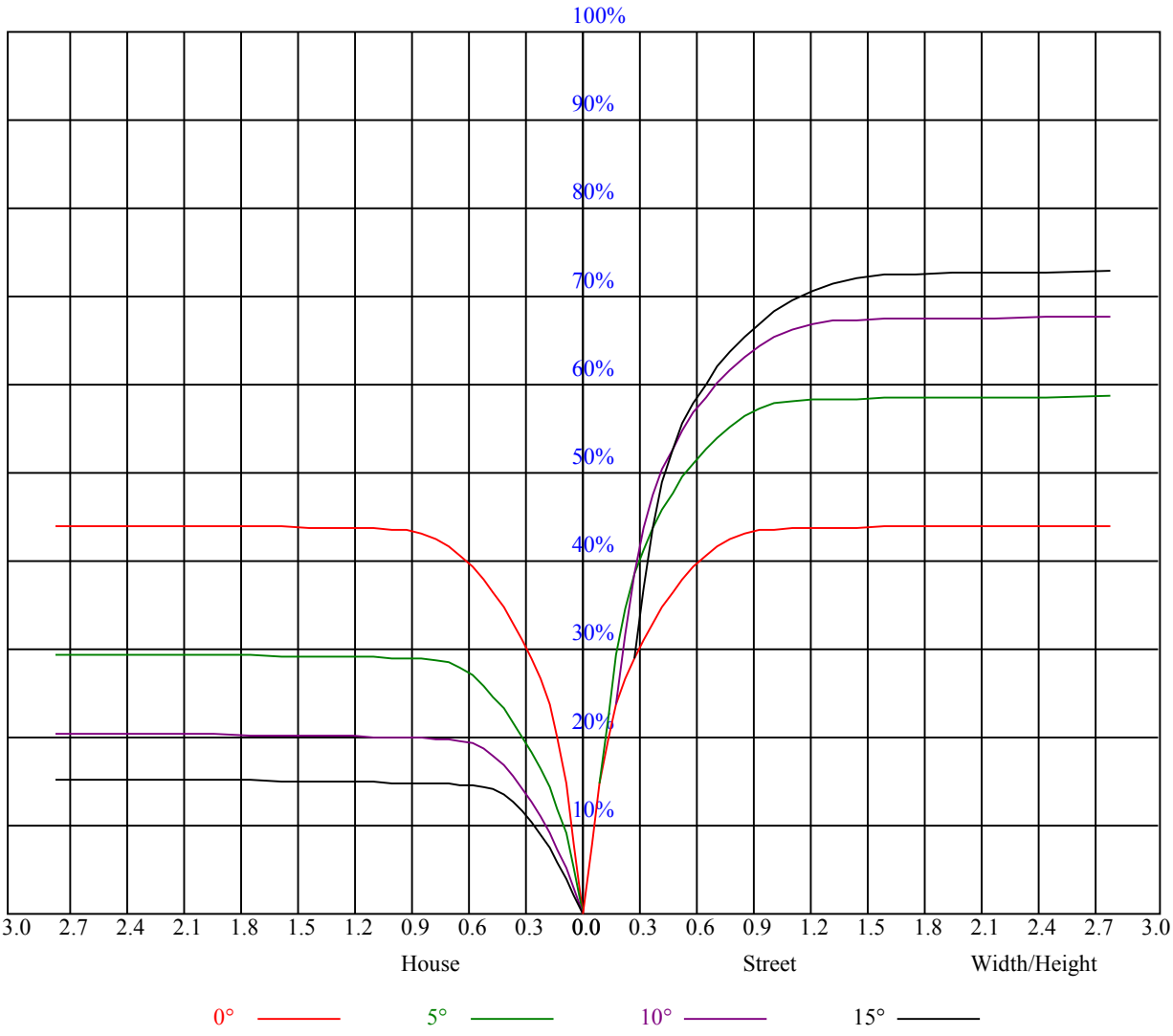
Date: 2019/1/8
Humidity(%): 65.0%

Operator: NT07
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	1.03	1.03	1.03	0.99	0.99	0.99	0.94	0.94	0.94	0.91	0.91	0.91	0.89
1	0.99	0.97	0.95	0.97	0.95	0.93	0.93	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	0.92	0.89	0.86	0.89	0.86	0.84	0.86	0.84	0.83	0.84	0.82	0.81	0.79
3	0.88	0.84	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.77	0.76
4	0.84	0.79	0.76	0.83	0.79	0.76	0.81	0.77	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.72
5	0.80	0.75	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
6	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.66
7	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63
8	0.70	0.66	0.62	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.62	0.61
9	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.65	0.62	0.59	0.58
10	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.57	0.56

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2019/1/8	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	3280.50	3242.81	3059.44	2820.94	2525.06	2122.31	1814.63	1528.88	1270.13
45.0	3272.06	3175.31	2967.19	2715.19	2386.13	2041.31	1691.44	1393.88	1134.00
90.0	3244.50	3103.88	2892.94	2577.38	2229.19	1919.25	1602.56	1093.73	975.43
135.0	3278.25	3231.00	3106.13	2841.19	2560.50	2253.94	1858.50	1533.38	1234.13
180.0	3280.50	3237.75	3103.88	2871.56	2592.56	2237.63	1910.81	1542.38	1108.69
225.0	3272.06	3283.88	3210.75	3011.06	2711.25	2395.69	2059.88	1653.75	1256.06
270.0	3244.50	3293.44	3243.94	3062.25	2814.19	2451.38	2052.56	1727.44	1440.00
315.0	3278.25	3224.25	3064.50	2792.25	2410.88	2118.94	1761.75	1415.25	1120.16
360.0	3280.50	3242.81	3059.44	2820.94	2525.06	2122.31	1814.63	1528.88	1270.13

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	991.69	798.75	632.81	481.50	380.81	327.38	290.81	285.19	250.48
45.0	871.88	694.13	541.13	433.69	350.44	311.63	284.06	258.08	243.23
90.0	782.61	584.16	462.66	382.73	321.98	291.49	270.96	251.16	239.96
135.0	933.19	744.19	587.25	456.75	374.63	329.06	298.13	285.19	262.97
180.0	964.74	751.39	581.96	470.70	397.24	339.47	310.84	291.09	271.52
225.0	1093.44	830.42	666.84	534.83	427.16	358.14	320.01	290.87	272.31
270.0	1130.63	924.75	754.31	591.19	459.56	378.00	319.50	285.19	258.13
315.0	991.01	784.07	605.36	475.43	374.34	314.21	280.80	257.01	234.96
360.0	991.69	798.75	632.81	481.50	380.81	327.38	290.81	285.19	250.48

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	237.38	228.21	219.88	212.74	206.66	201.43	194.68	190.18	186.41
45.0	232.03	221.63	212.74	206.44	201.15	196.59	191.93	187.82	184.56
90.0	227.19	213.69	205.82	196.82	187.99	182.93	177.30	171.06	166.67
135.0	250.93	242.16	233.78	226.29	220.22	213.81	206.61	201.43	195.64
180.0	258.75	247.56	236.42	226.35	218.19	210.21	203.68	197.10	190.69
225.0	255.94	243.39	233.49	223.65	214.93	207.96	201.83	195.36	190.52
270.0	241.26	226.63	214.14	204.69	195.41	187.54	180.68	176.06	171.90
315.0	221.01	209.36	198.73	190.01	185.57	182.08	178.82	176.29	173.93
360.0	237.38	228.21	219.88	212.74	206.66	201.43	194.68	190.18	186.41

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	182.36	179.44	176.51	173.25	169.88	166.78	163.29	159.98	155.42
45.0	181.24	177.81	174.83	171.96	168.08	165.26	162.56	158.01	153.39
90.0	162.51	159.13	155.25	151.71	147.60	143.89	140.68	137.14	134.10
135.0	189.06	183.09	178.31	173.76	169.37	166.11	162.56	159.58	154.41
180.0	185.40	180.56	174.83	170.94	167.46	163.18	160.14	157.33	152.38
225.0	185.57	180.73	176.46	173.14	169.65	166.16	163.13	159.92	157.22
270.0	167.40	164.64	161.94	159.02	155.81	153.11	150.86	148.39	146.48
315.0	172.80	172.35	171.51	170.21	168.86	166.56	164.36	162.06	156.54
360.0	182.36	179.44	176.51	173.25	169.88	166.78	163.29	159.98	155.42

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	150.86	145.86	131.57	109.69	87.92	64.35	38.08	20.98	10.52
45.0	149.85	143.04	127.58	108.51	82.07	59.06	36.45	17.78	9.17
90.0	131.29	127.46	116.83	99.73	80.94	59.91	40.95	23.79	16.03
135.0	150.47	147.66	143.89	129.83	111.71	88.14	59.57	39.38	22.05
180.0	148.50	145.58	141.02	127.46	108.79	83.81	60.08	36.62	18.90
225.0	151.88	148.33	144.28	130.33	108.96	88.71	64.74	37.29	21.26
270.0	143.21	139.11	134.10	123.30	105.41	84.43	61.88	42.64	27.11
315.0	152.44	146.59	131.01	108.39	87.47	60.41	39.04	20.53	10.24
360.0	150.86	145.86	131.57	109.69	87.92	64.35	38.08	20.98	10.52

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	6.58	5.91	5.18	4.16	3.66	3.49	2.93	2.81	2.76
45.0	7.20	6.47	5.57	4.84	4.44	3.32	3.15	2.98	2.87
90.0	13.56	11.81	9.73	8.33	7.09	4.78	4.16	3.71	3.54
135.0	12.15	10.29	9.62	8.66	7.88	6.30	4.50	4.05	3.49
180.0	10.97	9.34	8.61	7.93	7.37	5.01	2.98	2.98	2.87
225.0	11.76	9.34	8.89	8.21	7.59	7.31	4.28	3.94	3.71
270.0	17.49	14.63	13.39	11.87	9.51	8.16	7.20	5.12	4.28
315.0	7.71	6.64	5.51	4.56	4.05	3.71	3.09	2.98	2.87
360.0	6.58	5.91	5.18	4.16	3.66	3.49	2.93	2.81	2.76

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	2.64	2.64	2.53	2.53	2.48	2.42	2.42	2.36	2.36
45.0	2.70	2.59	2.59	2.53	2.48	2.42	2.42	2.36	2.36
90.0	3.32	3.15	3.09	2.93	2.87	2.76	2.76	2.64	2.59
135.0	3.15	2.87	2.76	2.70	2.64	2.53	2.48	2.42	2.42
180.0	2.87	2.76	2.70	2.64	2.59	2.53	2.48	2.42	2.36
225.0	3.54	3.32	3.04	2.81	2.64	2.53	2.53	2.42	2.42
270.0	3.83	3.32	3.09	2.93	2.87	2.76	2.70	2.64	2.64
315.0	2.76	2.70	2.59	2.53	2.48	2.48	2.42	2.42	2.36
360.0	2.64	2.64	2.53	2.53	2.48	2.42	2.42	2.36	2.36

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	2.36	2.31	2.25	2.19	2.19	2.19	2.25	2.19	2.14
45.0	2.36	2.25	2.25	2.25	2.25	2.25	2.19	2.19	2.14
90.0	2.59	2.53	2.48	2.42	2.42	2.36	2.42	2.36	2.31
135.0	2.36	2.36	2.36	2.36	2.36	2.31	2.25	2.19	2.19
180.0	2.36	2.31	2.25	2.25	2.19	2.14	2.14	2.14	2.08
225.0	2.36	2.31	2.31	2.31	2.31	2.25	2.25	2.19	2.19
270.0	2.59	2.53	2.53	2.53	2.48	2.53	2.53	2.53	2.48
315.0	2.31	2.31	2.31	2.31	2.31	2.31	2.25	2.25	2.25
360.0	2.36	2.31	2.25	2.19	2.19	2.19	2.25	2.19	2.14

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	2.14	2.14	2.08	2.08	2.14	2.19	2.19	2.19	2.19
45.0	2.19	2.08	2.08	2.08	2.08	2.08	2.03	2.03	2.03
90.0	2.36	2.31	2.31	2.25	2.25	2.14	2.14	2.14	2.08
135.0	2.19	2.14	2.14	2.14	2.14	2.08	2.08	2.03	2.03
180.0	2.08	2.08	2.03	2.03	2.03	1.97	1.97	1.97	1.91
225.0	2.14	2.14	2.14	2.08	2.08	2.03	2.03	2.03	2.03
270.0	2.48	2.48	2.42	2.42	2.48	2.42	2.36	2.36	2.31
315.0	2.19	2.25	2.25	2.48	2.70	2.87	2.93	2.93	2.81
360.0	2.14	2.14	2.08	2.08	2.14	2.19	2.19	2.19	2.19

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.14	2.03	1.97	1.97	1.97	1.97	2.03	1.80	1.80
45.0	2.03	2.03	2.03	1.97	1.97	1.97	1.86	1.80	1.80
90.0	2.03	2.03	2.03	1.97	2.03	1.91	1.80	1.74	1.80
135.0	2.03	2.03	1.97	1.91	1.91	1.86	1.86	1.80	1.80
180.0	1.97	1.91	1.91	1.91	1.91	1.86	1.86	1.86	1.80
225.0	2.03	1.97	1.97	1.97	1.97	1.91	1.86	1.86	1.80
270.0	2.31	2.31	2.25	2.25	2.31	2.25	2.19	2.03	2.03
315.0	2.48	2.08	2.03	2.03	2.03	2.03	2.03	1.80	1.80
360.0	2.14	2.03	1.97	1.97	1.97	1.97	2.03	1.80	1.80

Intensity data(cd)

C/γ(°)	90.0
0.0	1.80
45.0	1.80
90.0	1.74
135.0	1.74
180.0	1.80
225.0	1.80
270.0	1.74
315.0	1.80
360.0	1.80