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Nata

Client:
LumCAT: 1-0935-N
Luminaire: 92.70.246.00

Report No: 200730-B010	Voltage(V): 34.9900
Test No: 200730-C010	Current(A): 0.2880
LampCAT: CITIZEN CLU028	Power (W): 10.0770
Lamp flux(lm): 1206.9	PF: 0.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 964.20, Efficiency(%): 79.89% , Luminous Efficacy(lm/W): 95.68
Central intensity(cd): 5664.797, Maximum intensity(cd): 5664.797
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=17.4
[C90/270]Total=17.4
Field angle(10%Imax): [C0/180]Total=45.0
[C90/270]Total=45.0
Maximum s/h(1/2): C0_180=0.30 C90_270=0.30
Maximum s/h(1/4): C0_180=0.34 C90_270=0.34
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 79.89%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.108%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5664.797	0.000	0	.000%	.000%
1.0	5621.766	5.400	5.4	.447%	.560%
2.0	5471.016	15.921	21.322	1.319%	2.211%
3.0	5226.539	25.585	46.907	2.120%	4.865%
4.0	4901.555	33.902	80.809	2.809%	8.381%
5.0	4491.492	40.408	121.217	3.348%	12.572%
6.0	4039.242	44.831	166.049	3.715%	17.221%
7.0	3554.438	47.134	213.182	3.906%	22.110%
8.0	3120.188	47.769	260.951	3.958%	27.064%
9.0	2692.758	47.111	308.062	3.904%	31.950%
10.0	2335.078	45.500	353.562	3.770%	36.669%
11.0	2053.336	43.849	397.411	3.633%	41.217%
12.0	1815.609	42.293	439.705	3.504%	45.603%
13.0	1603.266	40.573	480.278	3.362%	49.811%
14.0	1426.430	38.780	519.058	3.213%	53.833%
15.0	1271.159	37.034	556.092	3.069%	57.674%
16.0	1132.692	35.223	591.315	2.919%	61.327%
17.0	1025.726	33.612	624.927	2.785%	64.813%
18.0	921.150	32.100	657.027	2.660%	68.142%
19.0	831.776	30.497	687.524	2.527%	71.305%
20.0	744.216	28.845	716.369	2.390%	74.297%
21.0	664.249	27.045	743.415	2.241%	77.102%
22.0	596.616	25.338	768.752	2.099%	79.729%
23.0	530.051	23.641	792.393	1.959%	82.181%
24.0	462.593	21.703	814.095	1.798%	84.432%
25.0	397.434	19.555	833.651	1.620%	86.460%
26.0	338.681	17.376	851.027	1.440%	88.262%
27.0	280.399	15.146	866.173	1.255%	89.833%
28.0	224.522	12.784	878.956	1.059%	91.159%
29.0	170.522	10.335	889.292	.856%	92.231%
30.0	130.605	8.130	897.422	.674%	93.074%
31.0	96.518	6.321	903.742	.524%	93.730%
32.0	71.754	4.821	908.563	.399%	94.230%
33.0	55.399	3.746	912.309	.310%	94.618%
34.0	45.942	3.067	915.376	.254%	94.936%
35.0	40.535	2.686	918.062	.223%	95.215%
36.0	36.675	2.458	920.52	.204%	95.470%
37.0	33.553	2.290	922.811	.190%	95.707%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	30.593	2.141	924.952	.177%	95.929%
39.0	27.584	1.986	926.937	.165%	96.135%
40.0	24.701	1.823	928.761	.151%	96.324%
41.0	21.846	1.658	930.418	.137%	96.496%
42.0	18.886	1.480	931.898	.123%	96.650%
43.0	16.207	1.300	933.198	.108%	96.785%
44.0	14.084	1.143	934.342	.095%	96.903%
45.0	12.255	1.012	935.354	.084%	97.008%
46.0	10.990	0.909	936.263	.075%	97.102%
47.0	9.998	0.835	937.098	.069%	97.189%
48.0	9.345	0.782	937.88	.065%	97.270%
49.0	8.817	0.746	938.625	.062%	97.347%
50.0	8.395	0.718	939.343	.059%	97.422%
51.0	8.107	0.698	940.041	.058%	97.494%
52.0	7.847	0.685	940.726	.057%	97.565%
53.0	7.615	0.673	941.398	.056%	97.635%
54.0	7.453	0.664	942.062	.055%	97.704%
55.0	7.277	0.658	942.72	.054%	97.772%
56.0	7.144	0.652	943.372	.054%	97.840%
57.0	7.045	0.649	944.02	.054%	97.907%
58.0	6.947	0.647	944.667	.054%	97.974%
59.0	6.884	0.647	945.314	.054%	98.041%
60.0	6.834	0.648	945.962	.054%	98.108%
61.0	6.799	0.651	946.613	.054%	98.176%
62.0	6.757	0.653	947.266	.054%	98.244%
63.0	6.729	0.656	947.922	.054%	98.312%
64.0	6.659	0.657	948.579	.054%	98.380%
65.0	6.602	0.656	949.235	.054%	98.448%
66.0	6.532	0.655	949.89	.054%	98.516%
67.0	6.490	0.655	950.545	.054%	98.584%
68.0	6.441	0.655	951.2	.054%	98.652%
69.0	6.349	0.652	951.853	.054%	98.719%
70.0	6.279	0.649	952.501	.054%	98.787%
71.0	6.138	0.642	953.143	.053%	98.853%
72.0	5.984	0.630	953.773	.052%	98.919%
73.0	5.885	0.621	954.394	.051%	98.983%
74.0	5.808	0.615	955.009	.051%	99.047%
75.0	5.745	0.610	955.619	.051%	99.110%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.681	0.607	956.226	.050%	99.173%
77.0	5.625	0.603	956.828	.050%	99.235%
78.0	5.555	0.598	957.427	.050%	99.297%
79.0	5.491	0.594	958.02	.049%	99.359%
80.0	5.428	0.589	958.609	.049%	99.420%
81.0	5.365	0.584	959.193	.048%	99.481%
82.0	5.337	0.580	959.773	.048%	99.541%
83.0	5.316	0.579	960.352	.048%	99.601%
84.0	5.280	0.577	960.929	.048%	99.661%
85.0	5.252	0.575	961.504	.048%	99.720%
86.0	5.203	0.572	962.076	.047%	99.780%
87.0	4.950	0.556	962.631	.046%	99.837%
88.0	4.781	0.533	963.164	.044%	99.893%
89.0	4.711	0.520	963.685	.043%	99.946%
90.0	4.704	0.516	964.201	.043%	100.000%

Zonal flux distribution table

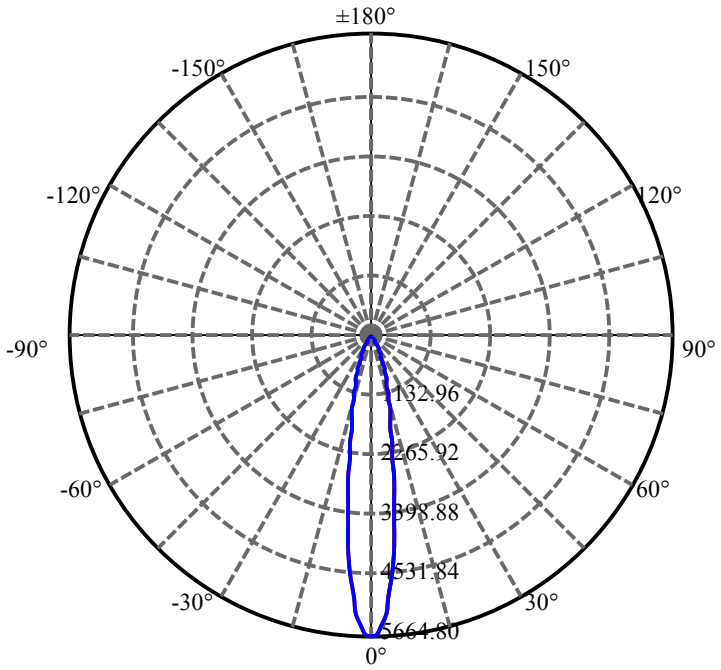
ZONAL LUMEN SUMMARY

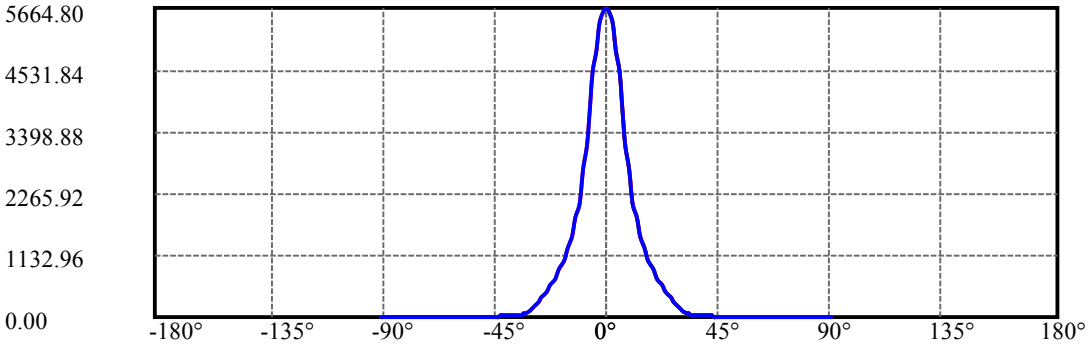
Zone	Lumens	%Lamp	%Fixt
0-30	897.42	74.36%	93.07%
0-40	928.76	76.96%	96.32%
0-60	945.96	78.38%	98.11%
0-90	963.68	79.85%	99.95%
0-120	963.68	79.85%	99.95%
0-180	964.20	79.89%	100.00%
60-90	18.37	1.52%	1.91%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-22.11	771.36	63.92%	80.00%

ZONAL LUMEN SUMMARY

0-10	353.56
10-20	362.81
20-30	181.05
30-40	31.34
40-50	10.58
50-60	6.62
60-70	6.54
70-80	6.11
80-90	5.08
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):

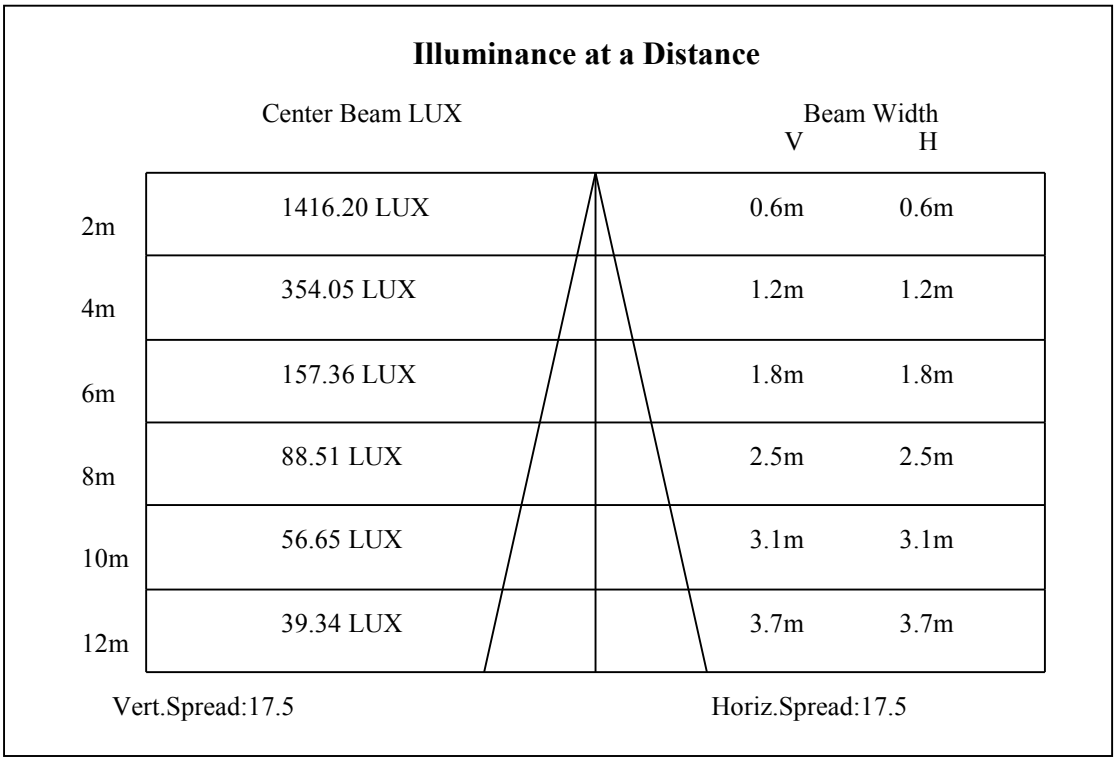
C0/C180:

C90/C270:

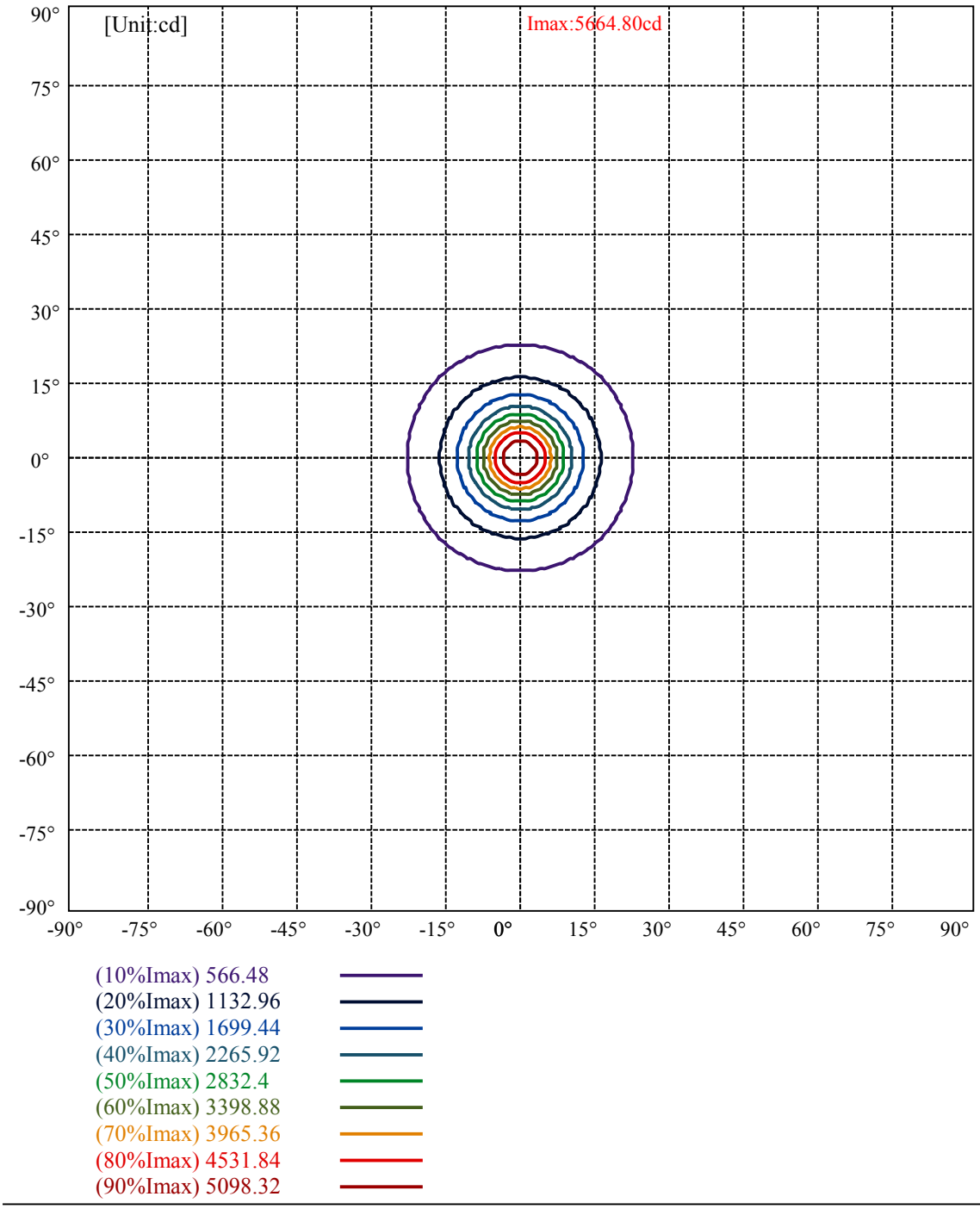
Field angle(10%Imax):C0/180Left:22.5 Right:22.5
:C90/270Left:22.5 Right:22.5

Beam Angle(50%Imax):C0/180Left:8.7 Right:8.7
:C90/270Left:8.7 Right:8.7

Lux distance Curve



ISO-Intensity(V-H)

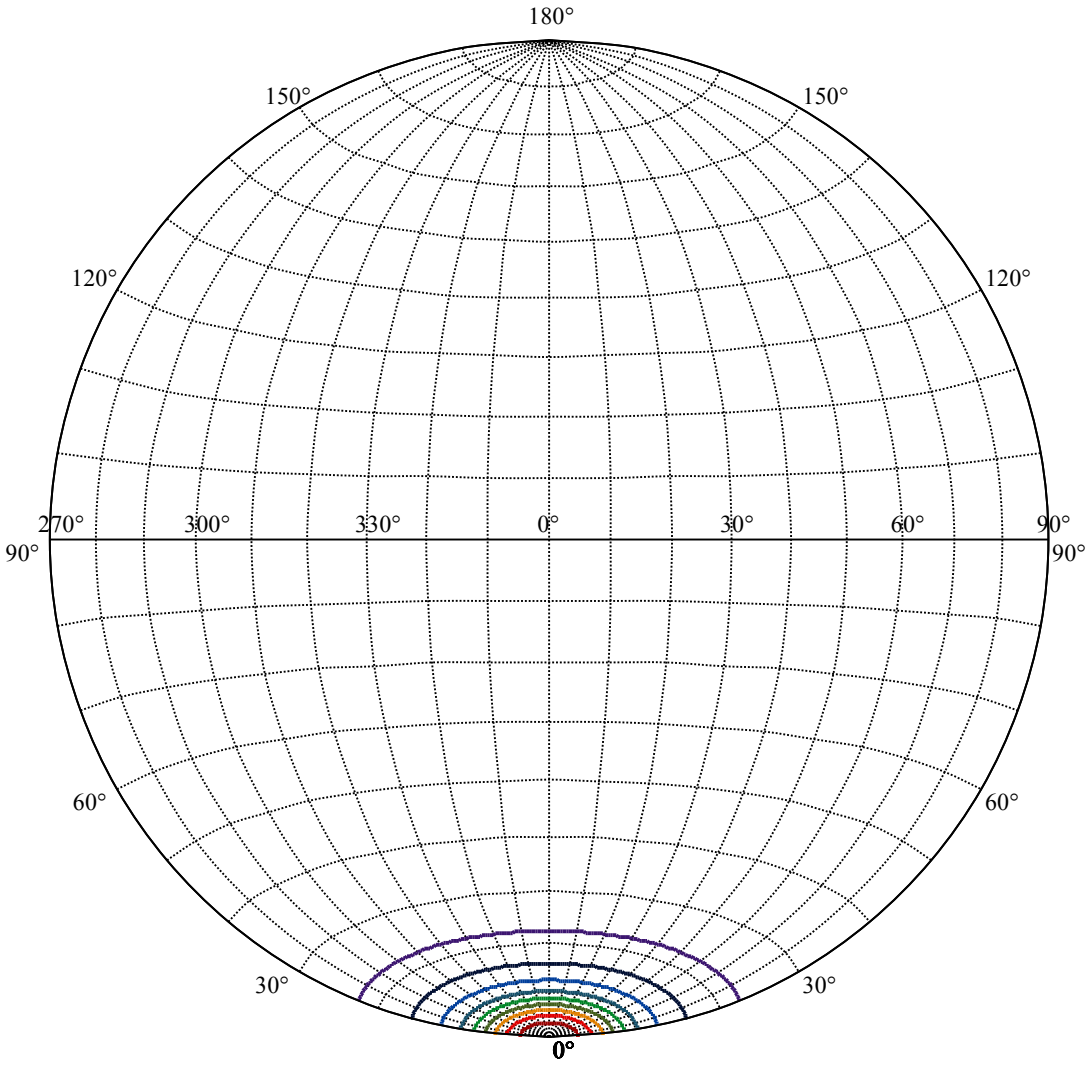


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/7/29
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

ISO candela diagram on circular web



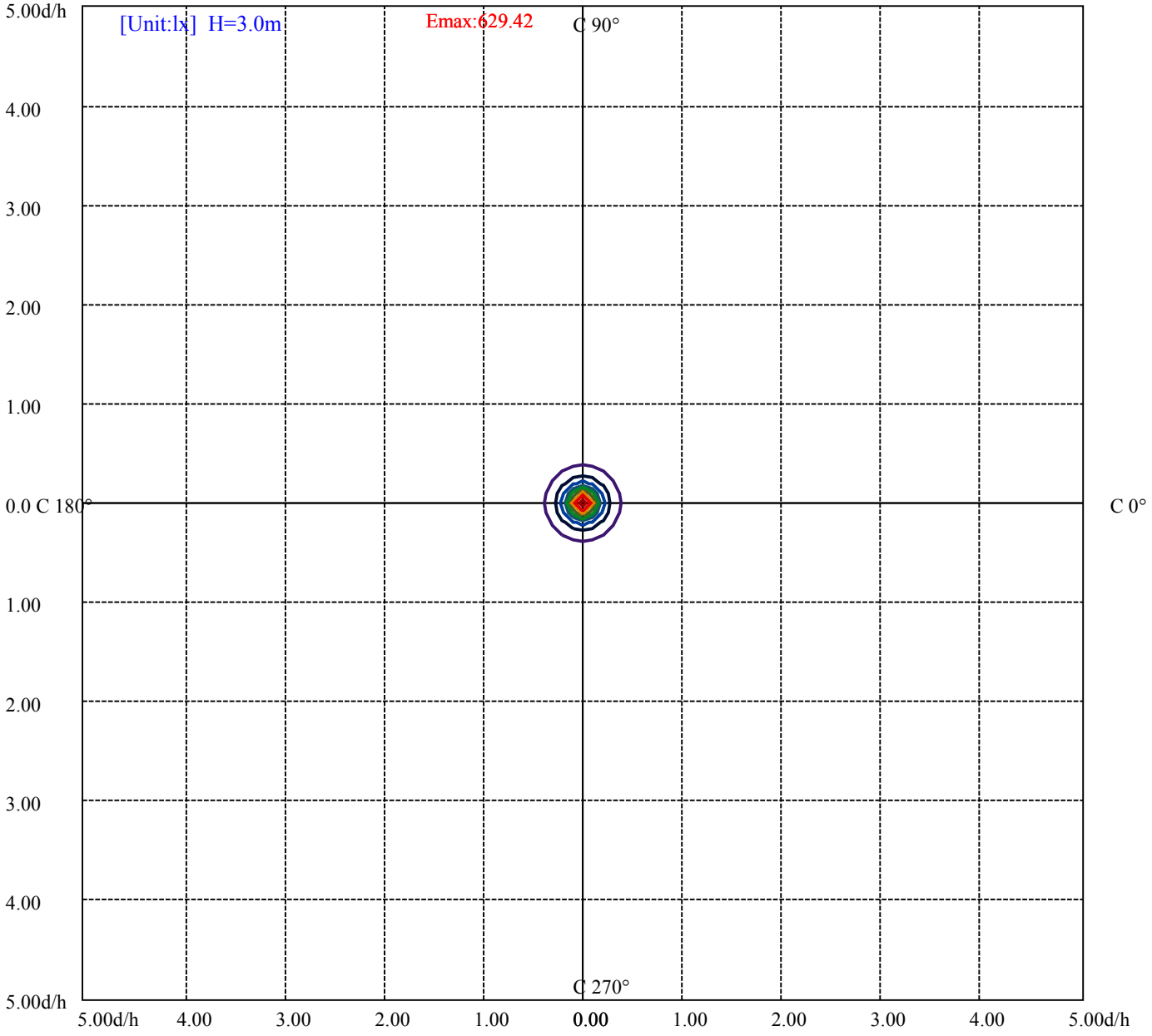
House [Unit:cd] Road

Imax:5664.80

(10%Imax) 566.48
(20%Imax) 1132.96
(30%Imax) 1699.44
(40%Imax) 2265.92
(50%Imax) 2832.4
(60%Imax) 3398.88
(70%Imax) 3965.36
(80%Imax) 4531.84
(90%Imax) 5098.32

Equipment: GMS1980 Date: 2020/7/29 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

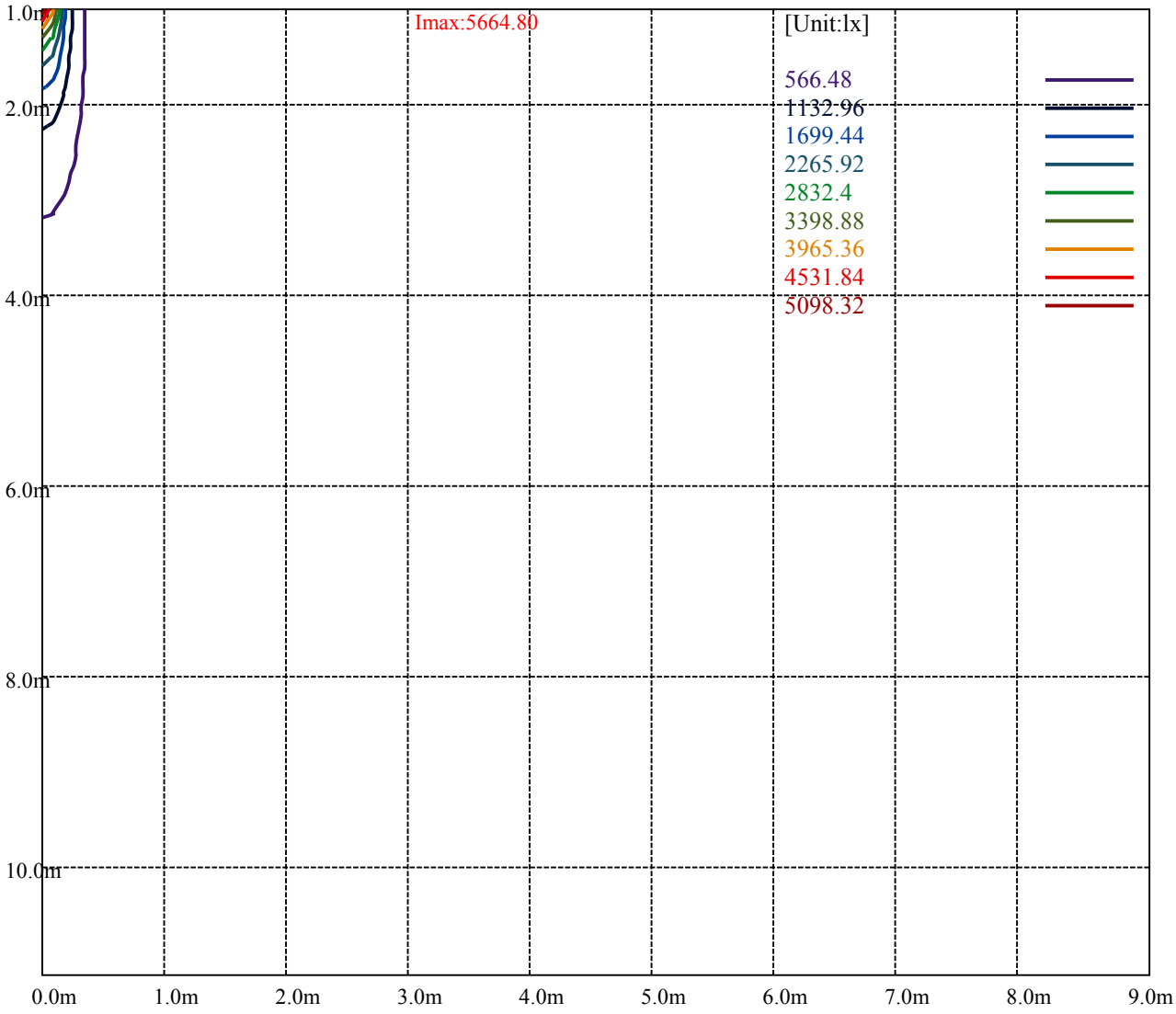
ISO illuminance diagram



(10%Emax) 62.94211
(20%Emax) 125.8844
(30%Emax) 188.8267
(40%Emax) 251.7689
(50%Emax) 314.7111
(60%Emax) 377.6522
(70%Emax) 440.5945
(80%Emax) 503.5367
(90%Emax) 566.4789

Equipment: GMS1980
Temperature(°C): 25.0
Date: 2020/7/29
Humidity(%): 65.0%
Operator: NT07
Distance(m): 7.50

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/7/29
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Luminance Limitting Curve(no luminous side)

Luminance Table

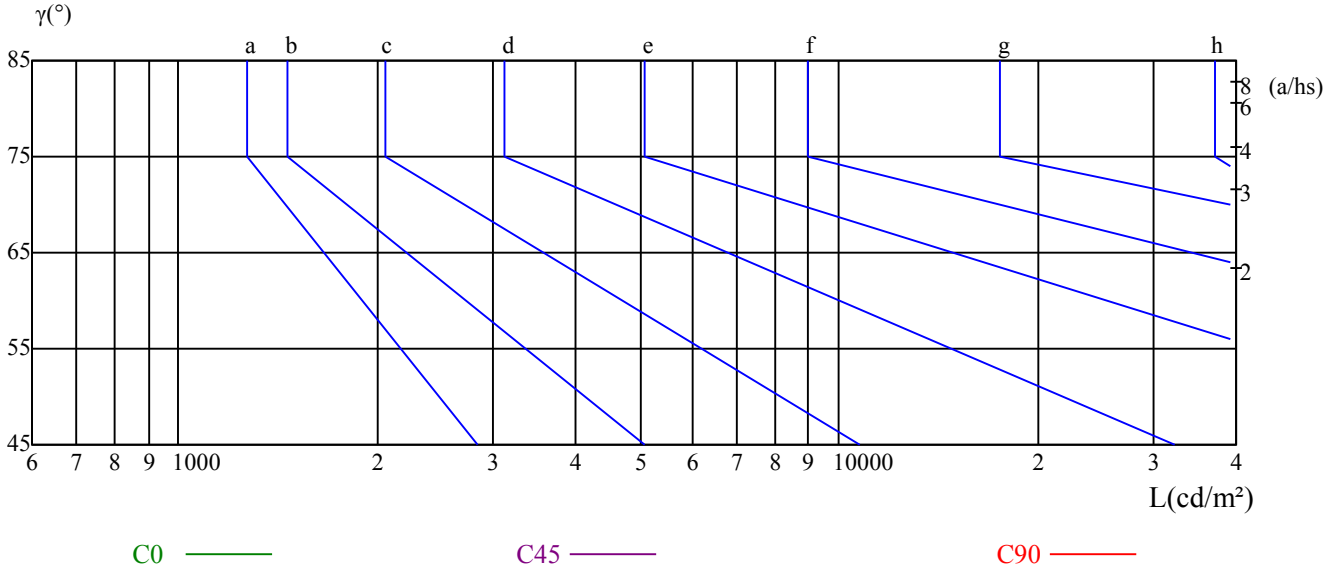
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

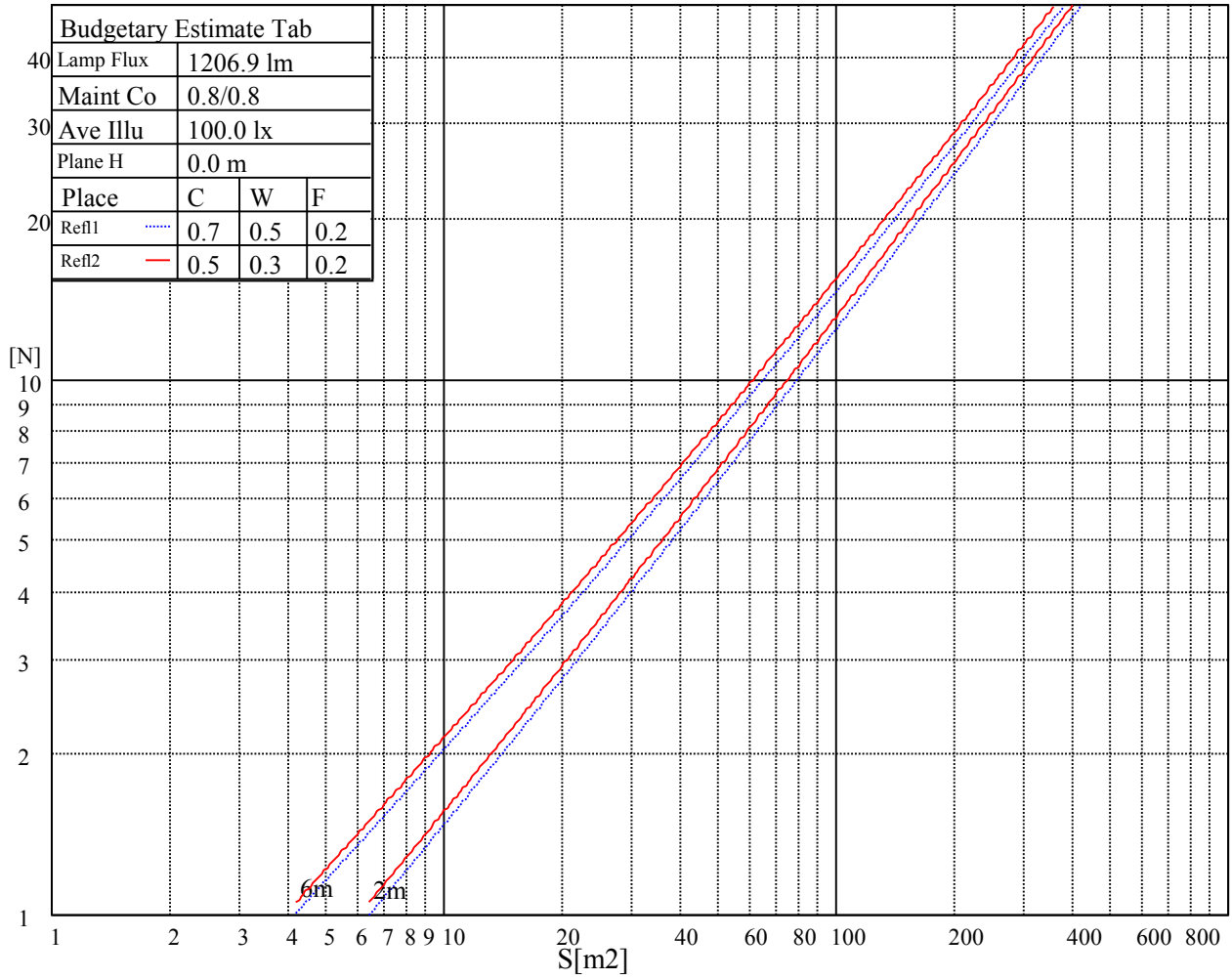
Luminance Limitting Curve



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

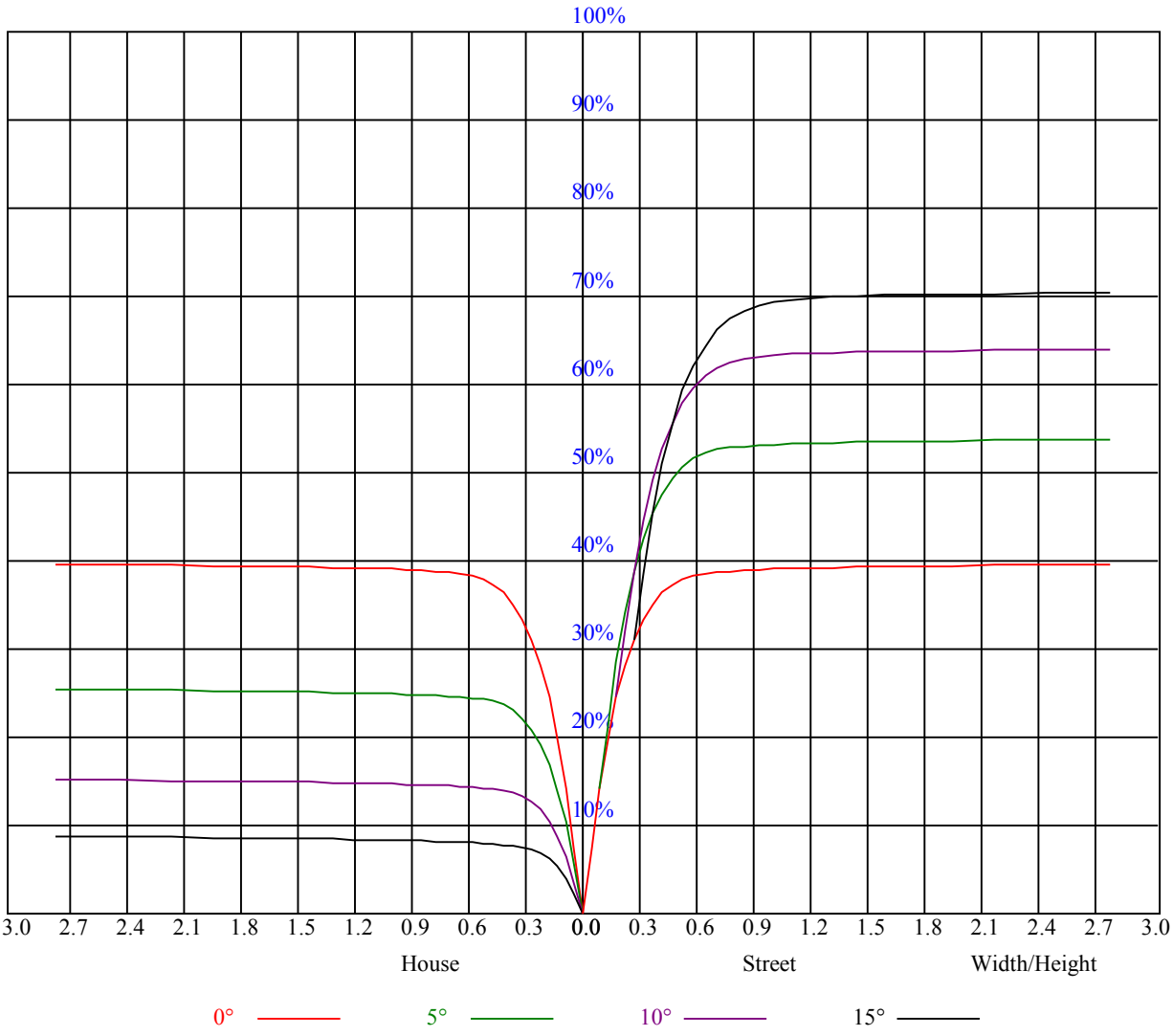


Equipment: GMS1980	Date: 2020/7/29	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 65.0%	Distance(m): 7.50

Utilization factor table for indoor luminaire

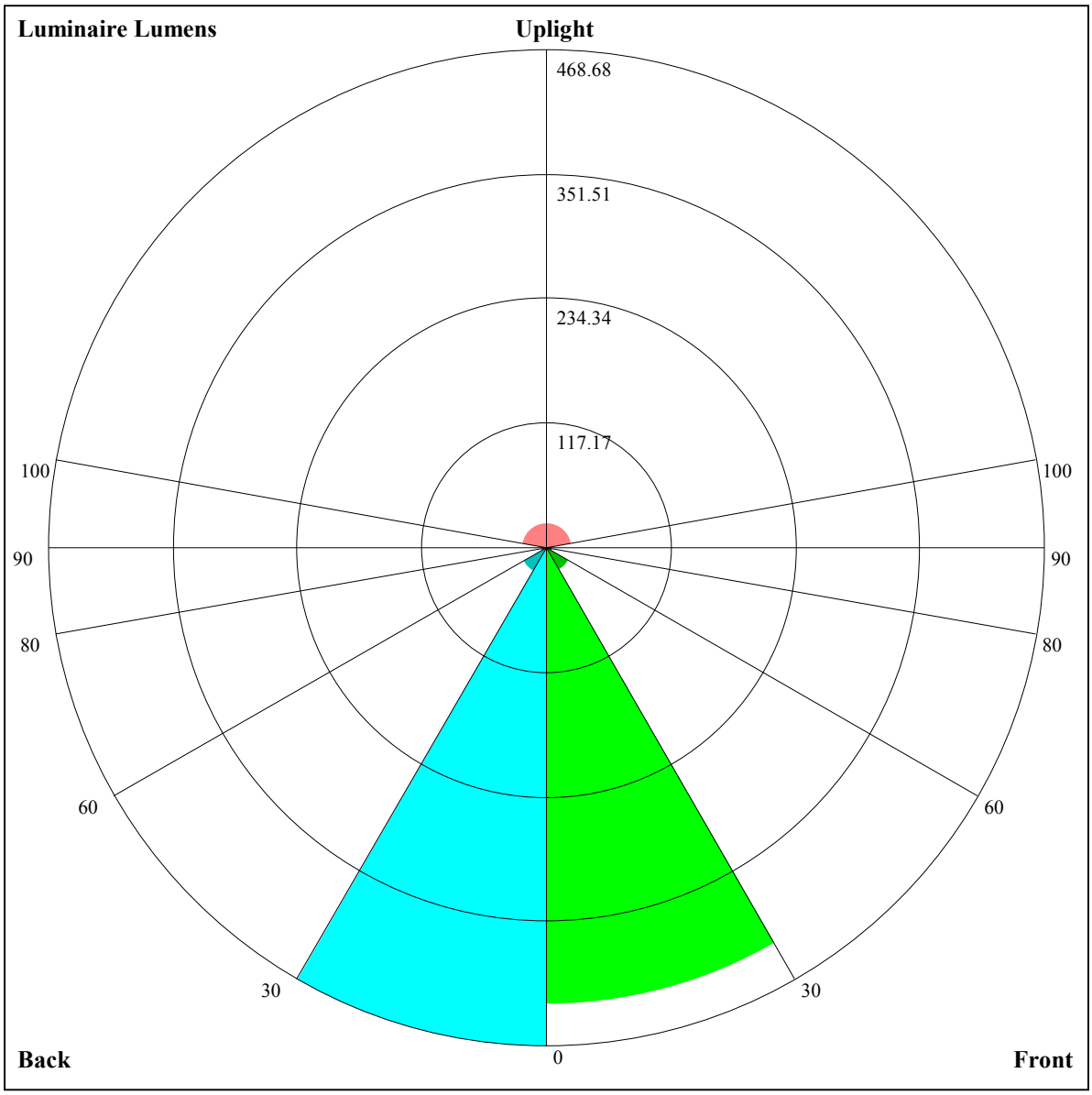
RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	0.95	0.95	0.95	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.82	0.82	0.82	0.80
1	0.90	0.88	0.87	0.88	0.86	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.78	0.76
2	0.85	0.83	0.80	0.84	0.82	0.80	0.81	0.79	0.78	0.79	0.78	0.76	0.77	0.76	0.75	0.73
3	0.81	0.78	0.76	0.80	0.78	0.75	0.78	0.76	0.74	0.76	0.75	0.73	0.75	0.73	0.72	0.71
4	0.78	0.75	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.73	0.71	0.69	0.68
5	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.72	0.70	0.68	0.71	0.69	0.67	0.66
6	0.72	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.69	0.67	0.65	0.64
7	0.70	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.64	0.68	0.65	0.63	0.67	0.65	0.63	0.62
8	0.68	0.64	0.62	0.67	0.64	0.62	0.67	0.64	0.62	0.66	0.63	0.62	0.65	0.63	0.61	0.60
9	0.66	0.62	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.64	0.62	0.60	0.64	0.61	0.60	0.59
10	0.64	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.62	0.60	0.58	0.57

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2020/7/29	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 65.0%	Distance(m): 7.50

LCS Graph



Luminaire Lumens:
FL=429.13,FM=23.42,FH=6.31,FVH=2.8
BL=468.68,BM=26.24,BH=6.33,BVH=2.77
UL=5.13,UH=24.42

BUG Rating:B1-U2-G0

Equipment: GMS1980	Date: 2020/7/29	Operator: NT07
Temperature(°C): 25.0	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	5660.44	5563.13	5308.88	5014.69	4649.63	4175.44	3669.19	3227.63	2832.19
45.0	5692.50	5558.06	5315.63	4970.25	4588.88	4101.19	3582.00	3137.63	2738.25
90.0	5646.94	5504.06	5285.81	4939.88	4452.75	4073.06	3609.00	2996.44	2661.19
135.0	5659.31	5667.19	5551.31	5357.25	5086.69	4643.44	4216.50	3754.69	3299.63
180.0	5660.44	5690.25	5625.56	5456.81	5206.50	4828.50	4375.13	3921.75	3395.25
225.0	5692.50	5734.13	5686.31	5524.31	5261.06	4939.88	4555.13	4002.19	3547.69
270.0	5646.94	5690.25	5630.06	5474.81	5231.81	4879.13	4448.81	4026.38	3579.19
315.0	5659.31	5567.06	5364.56	5074.31	4735.13	4291.31	3858.19	3368.81	2908.13
360.0	5660.44	5563.13	5308.88	5014.69	4649.63	4175.44	3669.19	3227.63	2832.19

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2414.25	2137.50	1881.00	1688.06	1500.75	1333.69	1203.75	1087.88	960.19
45.0	2328.19	2055.94	1828.69	1612.69	1425.94	1284.19	1142.44	1022.06	928.13
90.0	2329.31	1961.44	1770.19	1587.94	1406.81	1252.69	1114.14	1022.96	916.14
135.0	2794.50	2448.00	2148.75	1874.25	1647.00	1479.38	1312.31	1170.00	1058.06
180.0	2959.88	2536.88	2189.81	1935.56	1700.44	1506.38	1355.06	1115.21	1076.34
225.0	3108.94	2635.31	2307.38	2036.25	1780.88	1571.63	1412.44	1256.06	1119.15
270.0	3056.06	2688.19	2362.50	2058.75	1807.31	1617.19	1435.50	1275.19	1151.44
315.0	2550.94	2217.38	1938.38	1731.38	1557.00	1366.31	1193.63	1112.18	996.36
360.0	2414.25	2137.50	1881.00	1688.06	1500.75	1333.69	1203.75	1087.88	960.19

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	869.63	786.38	692.44	627.19	568.13	498.94	429.75	370.13	304.31
45.0	825.75	747.00	667.13	594.56	532.13	469.13	390.38	330.75	288.00
90.0	817.71	738.11	656.72	583.54	521.83	454.50	393.81	327.60	264.43
135.0	943.88	853.88	761.06	676.69	609.75	542.81	470.81	410.63	360.00
180.0	973.07	881.78	786.38	699.75	631.63	555.30	494.49	433.97	368.61
225.0	1013.68	897.98	824.40	735.02	646.99	591.53	529.99	445.78	392.46
270.0	1031.06	937.69	839.81	750.38	676.69	612.56	537.75	474.19	410.63
315.0	894.43	811.41	725.79	646.88	585.79	515.64	453.77	386.44	321.02
360.0	869.63	786.38	692.44	627.19	568.13	498.94	429.75	370.13	304.31

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	290.25	191.42	155.25	111.94	81.11	63.45	48.88	43.09	38.64
45.0	213.41	162.00	121.22	93.99	63.45	51.58	44.33	39.15	36.06
90.0	213.24	166.50	118.29	88.37	66.09	48.15	41.12	37.18	33.86
135.0	284.06	252.06	181.52	137.25	98.21	73.97	53.66	43.93	39.32
180.0	313.03	253.24	197.61	154.97	119.03	83.14	62.44	49.84	42.02
225.0	331.82	268.88	210.94	166.22	124.20	90.96	68.91	53.61	46.29
270.0	332.44	288.56	220.11	169.26	126.90	96.64	70.76	55.13	47.48
315.0	264.94	213.53	159.24	122.85	93.15	66.15	53.10	45.62	40.61
360.0	290.25	191.42	155.25	111.94	81.11	63.45	48.88	43.09	38.64

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	34.37	31.39	28.86	25.09	22.33	19.63	16.54	14.34	12.60
45.0	33.53	30.15	27.34	24.92	21.66	19.07	16.37	13.67	12.15
90.0	30.94	28.58	26.04	23.46	20.93	18.23	15.86	13.61	11.87
135.0	35.61	33.08	30.38	27.68	25.31	22.56	19.35	16.88	14.68
180.0	38.53	35.49	32.46	29.64	27.06	24.02	21.15	18.17	15.69
225.0	41.63	38.03	34.93	31.50	28.18	25.37	22.33	18.84	16.14
270.0	42.41	38.64	34.88	31.56	28.63	25.71	21.94	19.07	16.54
315.0	36.39	33.08	29.87	26.83	23.51	20.19	17.55	15.08	12.99
360.0	34.37	31.39	28.86	25.09	22.33	19.63	16.54	14.34	12.60

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	11.08	10.01	9.34	8.78	8.38	8.04	7.76	7.54	7.37
45.0	10.91	9.90	9.28	8.83	8.38	8.10	7.82	7.65	7.43
90.0	10.74	9.96	9.23	8.83	8.44	8.10	7.88	7.65	7.43
135.0	12.54	11.31	10.41	9.62	9.06	8.66	8.38	8.10	7.82
180.0	13.44	11.81	10.63	9.84	9.28	8.78	8.44	8.16	7.93
225.0	13.95	12.32	10.69	9.90	9.23	8.61	8.33	7.99	7.76
270.0	13.95	12.21	10.97	10.01	9.28	8.78	8.44	8.04	7.82
315.0	11.42	10.41	9.45	8.94	8.49	8.10	7.82	7.65	7.37
360.0	11.08	10.01	9.34	8.78	8.38	8.04	7.76	7.54	7.37

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	7.20	7.09	7.03	6.92	6.86	6.86	6.81	6.75	6.69
45.0	7.31	7.14	7.03	6.98	6.92	6.86	6.81	6.75	6.69
90.0	7.31	7.14	7.03	6.98	6.92	6.86	6.81	6.75	6.69
135.0	7.59	7.43	7.26	7.14	7.03	6.98	6.92	6.92	6.92
180.0	7.71	7.54	7.37	7.20	7.14	7.03	6.98	6.92	6.92
225.0	7.59	7.37	7.20	7.09	6.92	6.86	6.81	6.75	6.69
270.0	7.65	7.43	7.26	7.14	6.98	6.86	6.81	6.81	6.75
315.0	7.26	7.09	6.98	6.92	6.81	6.75	6.75	6.75	6.69
360.0	7.20	7.09	7.03	6.92	6.86	6.86	6.81	6.75	6.69

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	6.69	6.64	6.58	6.53	6.47	6.41	6.36	6.24	6.13
45.0	6.69	6.64	6.58	6.53	6.53	6.47	6.36	6.24	6.13
90.0	6.69	6.64	6.58	6.53	6.47	6.41	6.30	6.19	6.08
135.0	6.81	6.75	6.69	6.64	6.58	6.53	6.47	6.41	6.24
180.0	6.86	6.81	6.75	6.64	6.58	6.53	6.47	6.41	6.24
225.0	6.64	6.58	6.53	6.47	6.41	6.36	6.24	6.24	6.08
270.0	6.75	6.64	6.58	6.53	6.47	6.41	6.36	6.30	6.19
315.0	6.69	6.58	6.53	6.41	6.41	6.41	6.24	6.19	6.02
360.0	6.69	6.64	6.58	6.53	6.47	6.41	6.36	6.24	6.13

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.96	5.85	5.79	5.74	5.68	5.63	5.57	5.46	5.40
45.0	6.02	5.96	5.91	5.85	5.85	5.79	5.79	5.74	5.68
90.0	5.91	5.85	5.74	5.74	5.63	5.57	5.51	5.40	5.29
135.0	6.08	5.96	5.91	5.79	5.74	5.68	5.57	5.51	5.46
180.0	6.08	6.02	5.91	5.79	5.68	5.63	5.57	5.51	5.46
225.0	5.91	5.74	5.68	5.63	5.57	5.57	5.46	5.46	5.40
270.0	6.02	5.91	5.79	5.74	5.68	5.57	5.51	5.46	5.40
315.0	5.91	5.79	5.74	5.68	5.63	5.57	5.46	5.40	5.34
360.0	5.96	5.85	5.79	5.74	5.68	5.63	5.57	5.46	5.40

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.34	5.29	5.23	5.12	5.06	5.01	4.84	4.73	4.67
45.0	5.68	5.96	6.13	6.24	6.41	6.30	4.78	4.67	4.61
90.0	5.23	5.18	5.12	5.06	5.01	4.95	4.89	4.73	4.67
135.0	5.34	5.29	5.23	5.12	5.12	5.01	4.95	4.89	4.84
180.0	5.40	5.29	5.23	5.23	5.12	5.12	5.01	4.89	4.78
225.0	5.34	5.29	5.29	5.29	5.23	5.29	5.34	4.73	4.67
270.0	5.34	5.23	5.18	5.12	5.06	5.01	4.95	4.84	4.73
315.0	5.23	5.18	5.12	5.06	5.01	4.95	4.84	4.78	4.73
360.0	5.34	5.29	5.23	5.12	5.06	5.01	4.84	4.73	4.67

Intensity data(cd)

C/γ(°)	90.0
0.0	4.67
45.0	4.56
90.0	4.67
135.0	4.89
180.0	4.89
225.0	4.56
270.0	4.67
315.0	4.73
360.0	4.67