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

Nata

Client:
LumCAT: 1-0935-N
Luminaire: 92.70.246.00
Report No: 200327-B011
Test No: 200327-C011
LampCAT: LUMINUS CXM-9-AC40
Lamp flux(lm): 1447.9
Number of Lamps: 1
Length(mm): 0
Phm Type: C

Voltage(V): 34.3100
Current(A): 0.3070
Power (W): 10.5300
PF: 0.0000
Ballast type: DC
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 1112.54, Efficiency(%): 76.84% , Luminous Efficacy(lm/W): 105.65
Central intensity(cd): 6444.281, Maximum intensity(cd): 6444.281
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=17.6
[C90/270]Total=17.6
Field angle(10%Imax): [C0/180]Total=45.4
[C90/270]Total=45.4
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(%): 76.84%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.360%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6444.281	0.000	0	.000%	.000%
1.0	6408.563	6.150	6.15	.425%	.553%
2.0	6274.617	18.204	24.354	1.257%	2.189%
3.0	6043.711	29.461	53.815	2.035%	4.837%
4.0	5714.719	39.359	93.175	2.718%	8.375%
5.0	5257.195	47.201	140.375	3.260%	12.618%
6.0	4687.945	52.264	192.64	3.610%	17.315%
7.0	4156.453	54.897	247.537	3.791%	22.250%
8.0	3616.031	55.626	303.163	3.842%	27.250%
9.0	3116.320	54.562	357.725	3.768%	32.154%
10.0	2698.523	52.622	410.347	3.634%	36.884%
11.0	2350.406	50.449	460.796	3.484%	41.418%
12.0	2079.211	48.422	509.218	3.344%	45.771%
13.0	1839.023	46.500	555.718	3.211%	49.950%
14.0	1636.383	44.485	600.203	3.072%	53.949%
15.0	1473.820	42.698	642.901	2.949%	57.787%
16.0	1323.211	40.984	683.885	2.831%	61.471%
17.0	1184.210	39.047	722.933	2.697%	64.980%
18.0	1055.876	36.934	759.867	2.551%	68.300%
19.0	970.678	35.258	795.125	2.435%	71.469%
20.0	866.827	33.631	828.756	2.323%	74.492%
21.0	776.018	31.546	860.302	2.179%	77.328%
22.0	700.980	29.681	889.983	2.050%	79.996%
23.0	621.506	27.749	917.732	1.916%	82.490%
24.0	537.054	25.330	943.063	1.749%	84.767%
25.0	465.476	22.795	965.858	1.574%	86.816%
26.0	390.530	20.206	986.064	1.396%	88.632%
27.0	329.245	17.609	1003.673	1.216%	90.215%
28.0	257.302	14.850	1018.524	1.026%	91.549%
29.0	200.602	11.980	1030.504	.827%	92.626%
30.0	148.774	9.433	1039.937	.651%	93.474%
31.0	111.185	7.234	1047.171	.500%	94.124%
32.0	82.216	5.541	1052.712	.383%	94.622%
33.0	62.866	4.274	1056.986	.295%	95.007%
34.0	52.404	3.488	1060.474	.241%	95.320%
35.0	45.584	3.043	1063.517	.210%	95.594%
36.0	41.161	2.762	1066.279	.191%	95.842%
37.0	37.905	2.579	1068.858	.178%	96.074%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	34.488	2.416	1071.275	.167%	96.291%
39.0	30.895	2.232	1073.506	.154%	96.491%
40.0	27.788	2.047	1075.553	.141%	96.675%
41.0	24.462	1.861	1077.413	.128%	96.843%
42.0	20.904	1.648	1079.062	.114%	96.991%
43.0	17.909	1.438	1080.499	.099%	97.120%
44.0	15.363	1.256	1081.755	.087%	97.233%
45.0	13.359	1.104	1082.859	.076%	97.332%
46.0	11.890	0.987	1083.846	.068%	97.421%
47.0	10.913	0.907	1084.753	.063%	97.502%
48.0	10.259	0.856	1085.609	.059%	97.579%
49.0	9.766	0.822	1086.432	.057%	97.653%
50.0	9.316	0.796	1087.227	.055%	97.725%
51.0	8.930	0.772	1087.999	.053%	97.794%
52.0	8.550	0.750	1088.749	.052%	97.862%
53.0	8.220	0.729	1089.479	.050%	97.927%
54.0	7.931	0.712	1090.191	.049%	97.991%
55.0	7.720	0.699	1090.889	.048%	98.054%
56.0	7.566	0.691	1091.58	.048%	98.116%
57.0	7.383	0.683	1092.263	.047%	98.177%
58.0	7.284	0.678	1092.942	.047%	98.238%
59.0	7.193	0.677	1093.618	.047%	98.299%
60.0	7.137	0.677	1094.295	.047%	98.360%
61.0	7.123	0.680	1094.976	.047%	98.421%
62.0	7.088	0.685	1095.661	.047%	98.483%
63.0	7.010	0.686	1096.346	.047%	98.544%
64.0	6.961	0.686	1097.032	.047%	98.606%
65.0	6.905	0.686	1097.718	.047%	98.668%
66.0	6.820	0.685	1098.403	.047%	98.729%
67.0	6.736	0.682	1099.085	.047%	98.791%
68.0	6.623	0.677	1099.761	.047%	98.851%
69.0	6.497	0.669	1100.431	.046%	98.912%
70.0	6.314	0.658	1101.089	.045%	98.971%
71.0	6.159	0.645	1101.733	.045%	99.029%
72.0	5.955	0.630	1102.363	.044%	99.085%
73.0	5.808	0.615	1102.978	.042%	99.141%
74.0	5.688	0.604	1103.583	.042%	99.195%
75.0	5.604	0.597	1104.179	.041%	99.248%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	5.548	0.592	1104.771	.041%	99.302%
77.0	5.470	0.587	1105.359	.041%	99.354%
78.0	5.414	0.583	1105.941	.040%	99.407%
79.0	5.337	0.578	1106.519	.040%	99.459%
80.0	5.288	0.573	1107.092	.040%	99.510%
81.0	5.252	0.570	1107.662	.039%	99.561%
82.0	5.280	0.571	1108.233	.039%	99.613%
83.0	5.379	0.579	1108.812	.040%	99.665%
84.0	5.400	0.587	1109.4	.041%	99.718%
85.0	5.393	0.589	1109.989	.041%	99.771%
86.0	4.908	0.563	1110.552	.039%	99.821%
87.0	4.556	0.518	1111.07	.036%	99.868%
88.0	4.472	0.495	1111.564	.034%	99.912%
89.0	4.451	0.489	1112.053	.034%	99.956%
90.0	4.437	0.487	1112.541	.034%	100.000%

Zonal flux distribution table

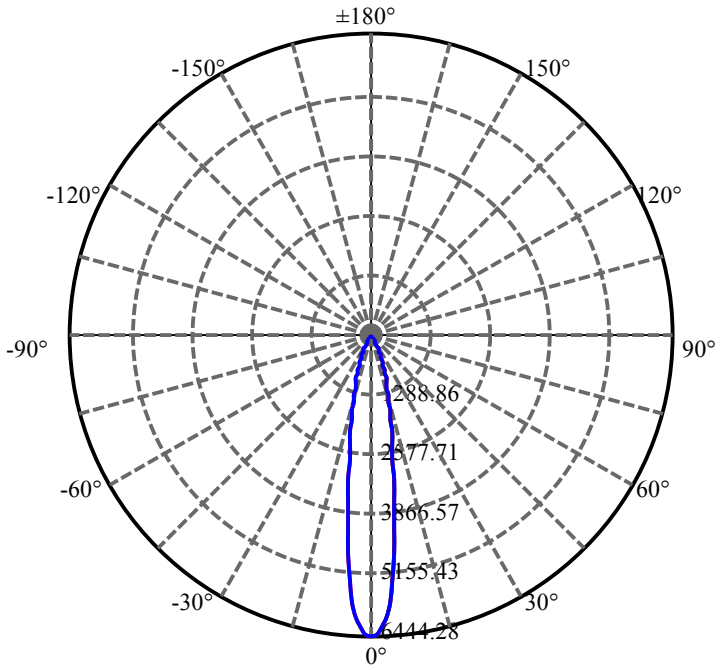
ZONAL LUMEN SUMMARY

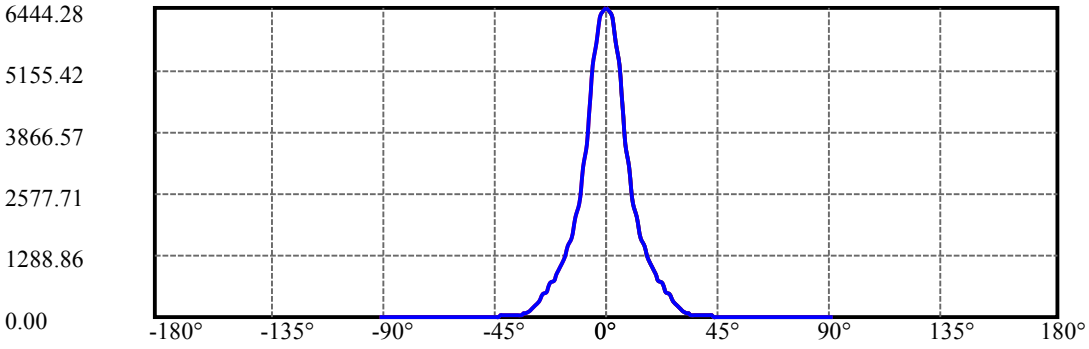
Zone	Lumens	%Lamp	%Fixt
0-30	1039.94	71.82%	93.47%
0-40	1075.55	74.28%	96.68%
0-60	1094.30	75.58%	98.36%
0-90	1112.05	76.80%	99.96%
0-120	1112.05	76.80%	99.96%
0-180	1112.54	76.84%	100.00%
60-90	18.43	1.27%	1.66%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-22.00	890.03	61.47%	80.00%

ZONAL LUMEN SUMMARY

0-10	410.35
10-20	418.41
20-30	211.18
30-40	35.62
40-50	11.67
50-60	7.07
60-70	6.79
70-80	6.00
80-90	4.96
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):

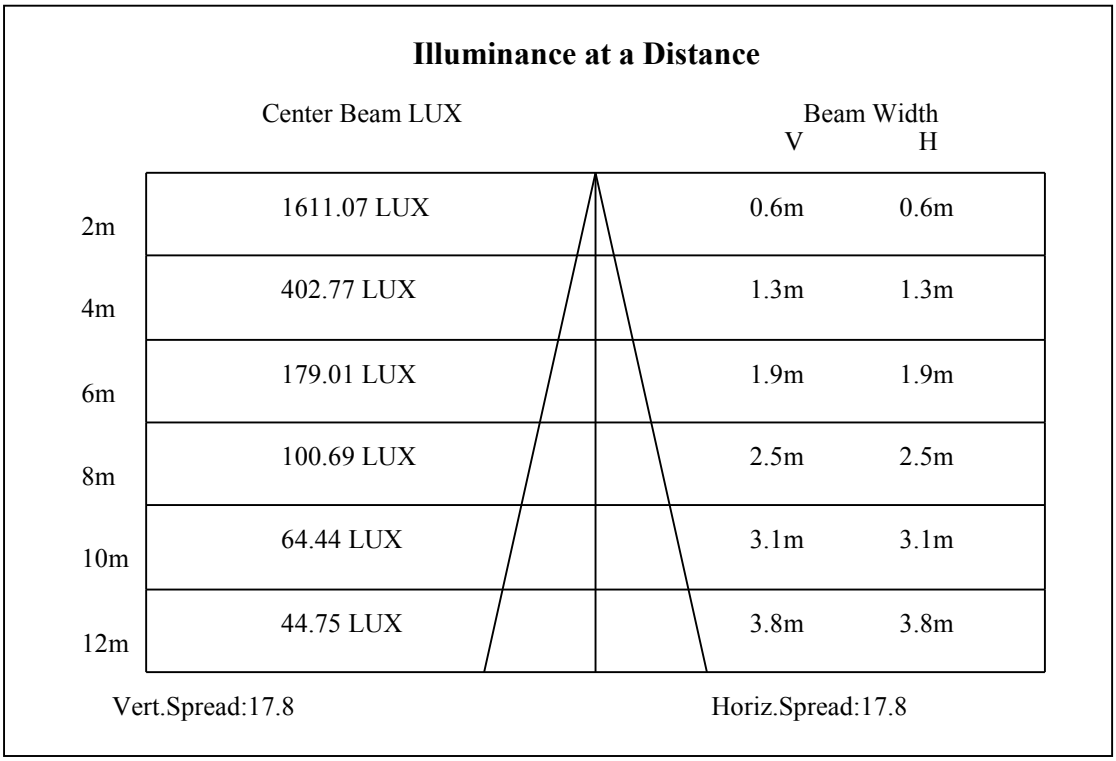
C0/C180:

C90/C270:

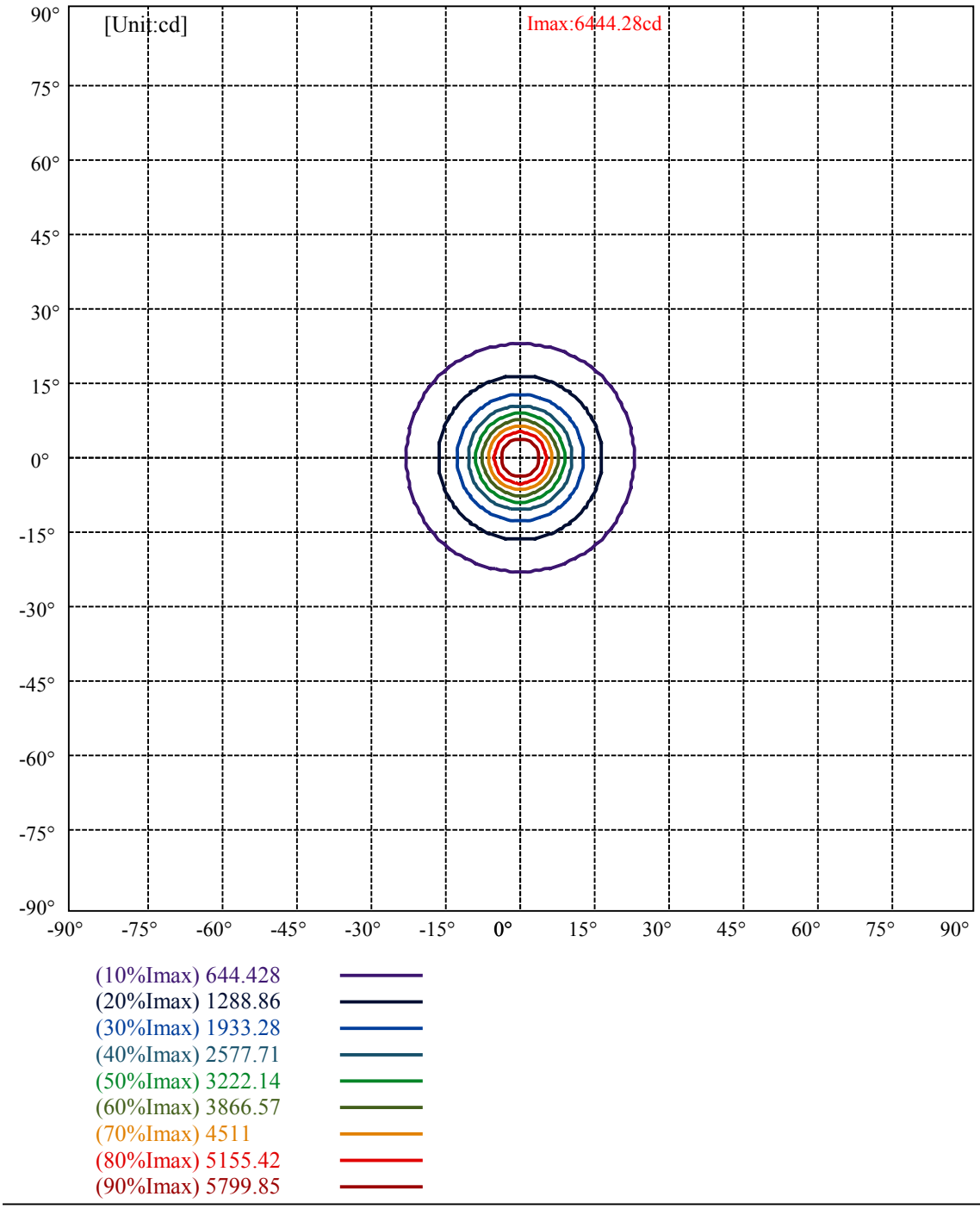
Field angle(10%Imax):C0/180Left:22.7 Right:22.7
:C90/270Left:22.7 Right:22.7

Beam Angle(50%Imax):C0/180Left:8.8 Right:8.8
:C90/270Left:8.8 Right:8.8

Lux distance Curve



ISO-Intensity(V-H)

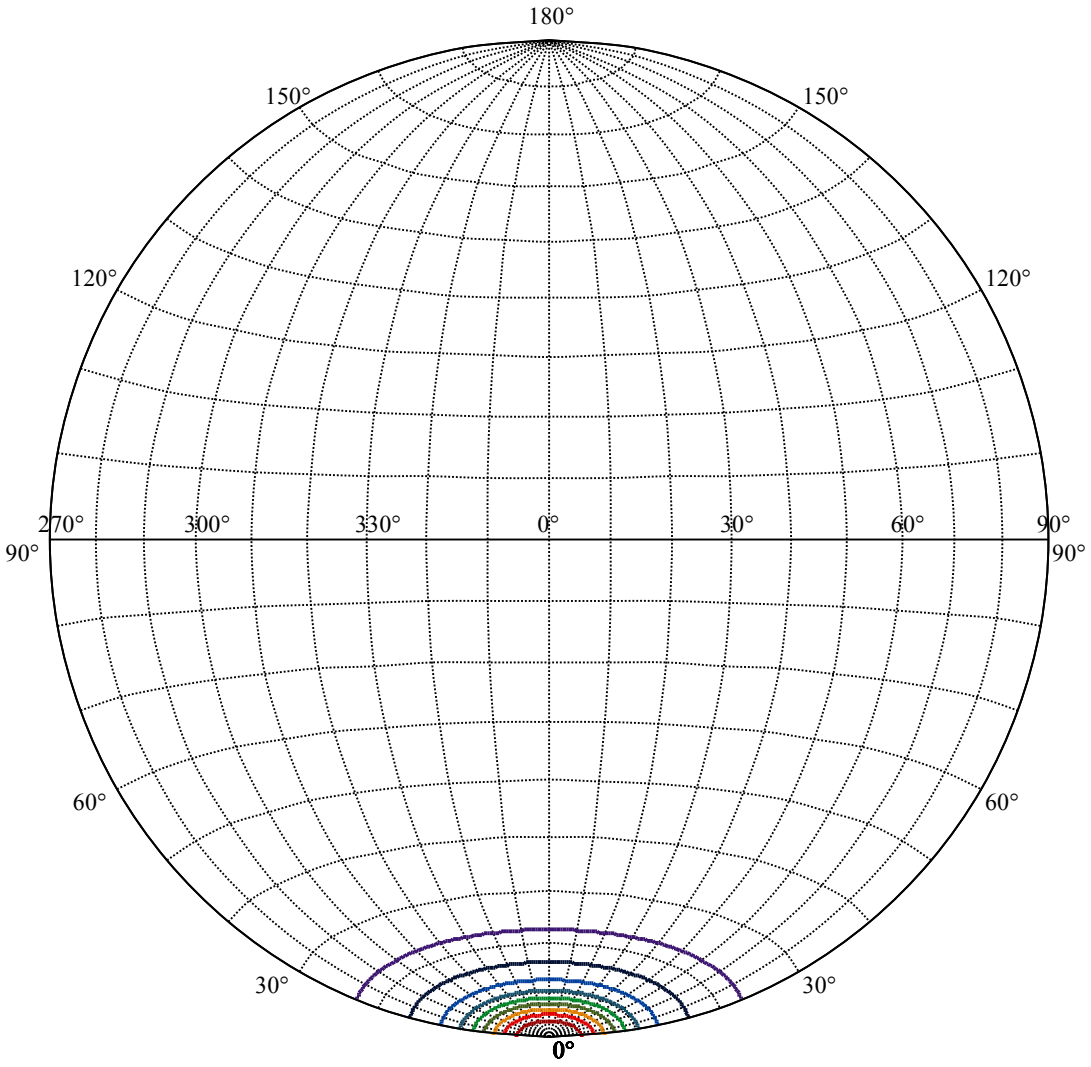


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/3/27
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

ISO candela diagram on circular web



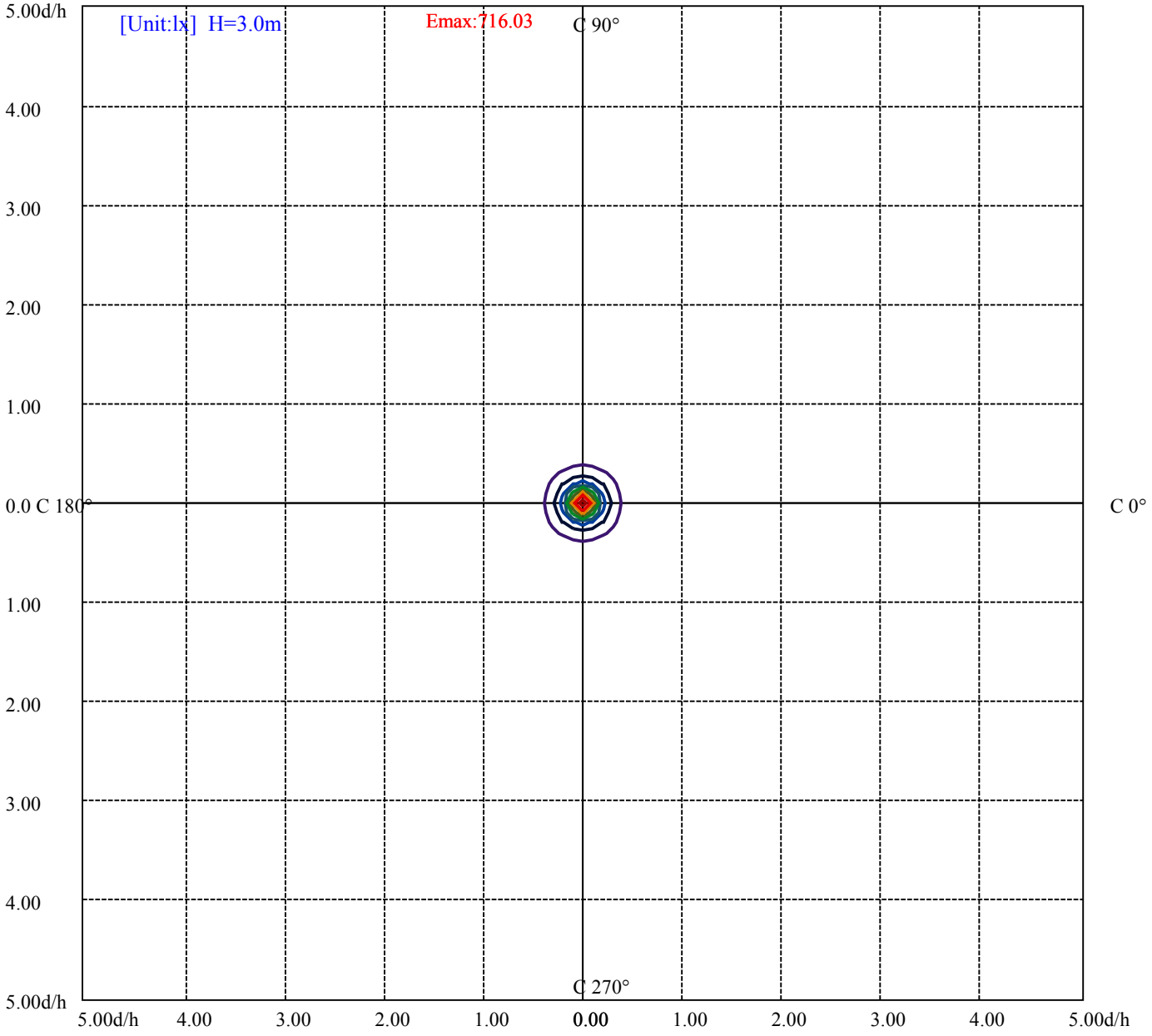
House [Unit:cd] Road

Imax:6444.28

(10%Imax) 644.428
(20%Imax) 1288.86
(30%Imax) 1933.28
(40%Imax) 2577.71
(50%Imax) 3222.14
(60%Imax) 3866.57
(70%Imax) 4511
(80%Imax) 5155.42
(90%Imax) 5799.85

Equipment: GMS1980 Date: 2020/3/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

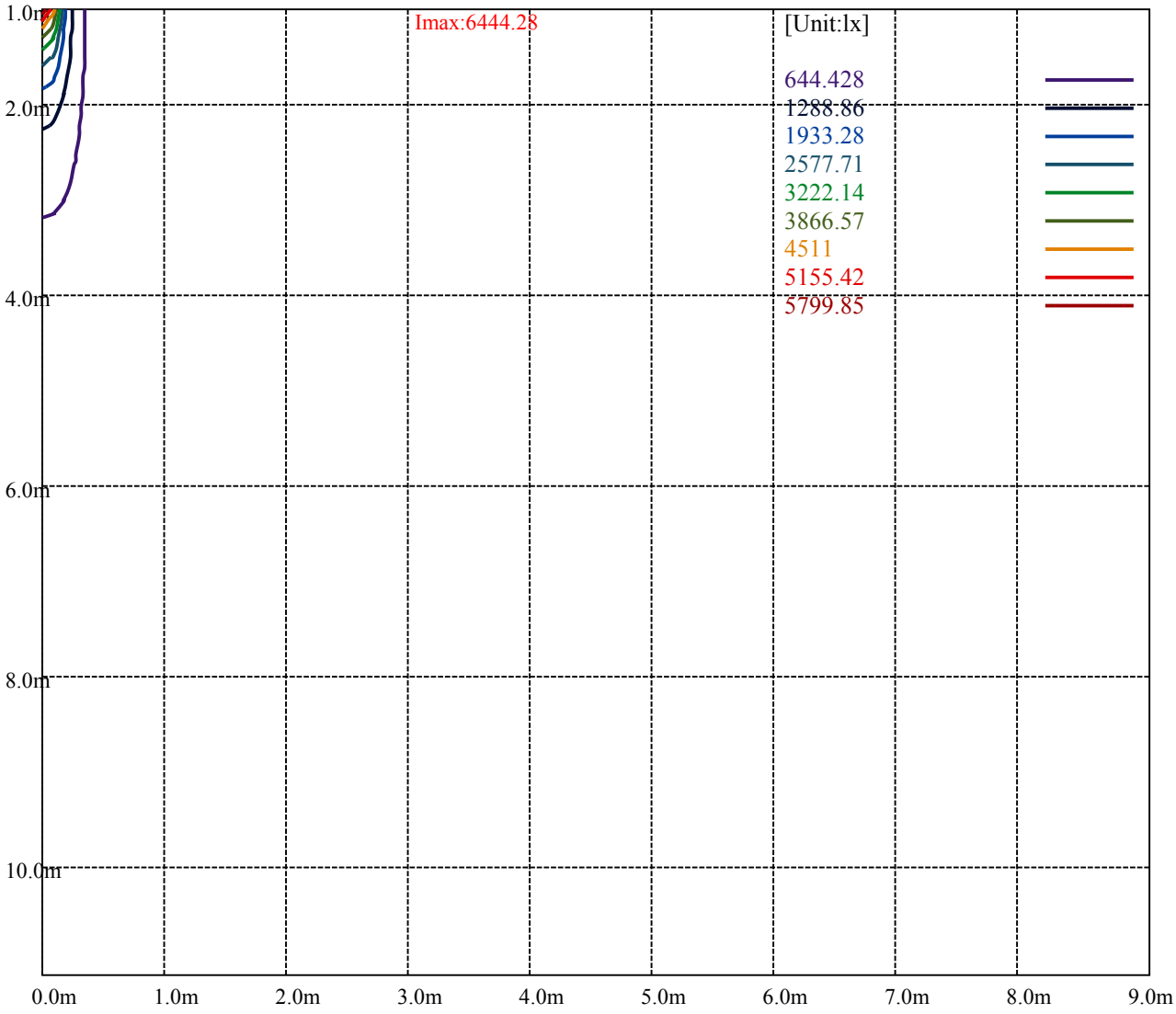
ISO illuminance diagram



(10%Emax) 71.60311
(20%Emax) 143.2067
(30%Emax) 214.8089
(40%Emax) 286.4122
(50%Emax) 358.0155
(60%Emax) 429.6189
(70%Emax) 501.2211
(80%Emax) 572.8245
(90%Emax) 644.4278

Equipment: GMS1980
Temperature(°C): 25.0
Date: 2020/3/27
Humidity(%): 65.0%
Operator: NT07
Distance(m): 7.50

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2020/3/27
Humidity(%): 65.0%

Operator: NT07
Distance(m): 7.50

Luminance Limitting Curve(no luminous side)

Luminance Table

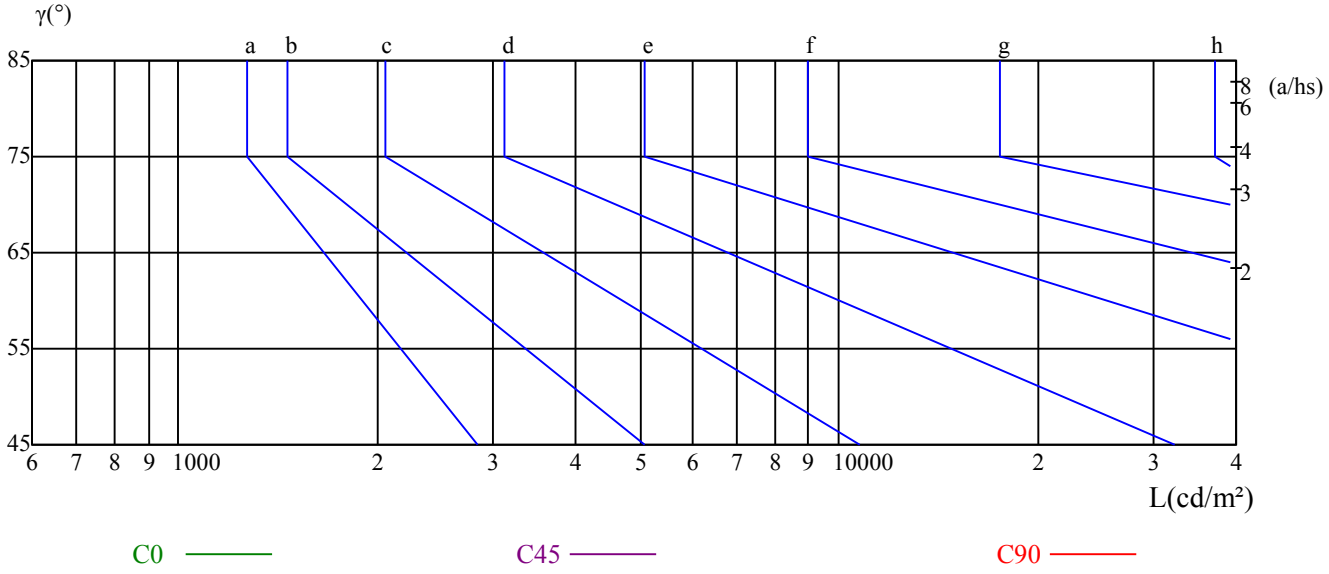
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

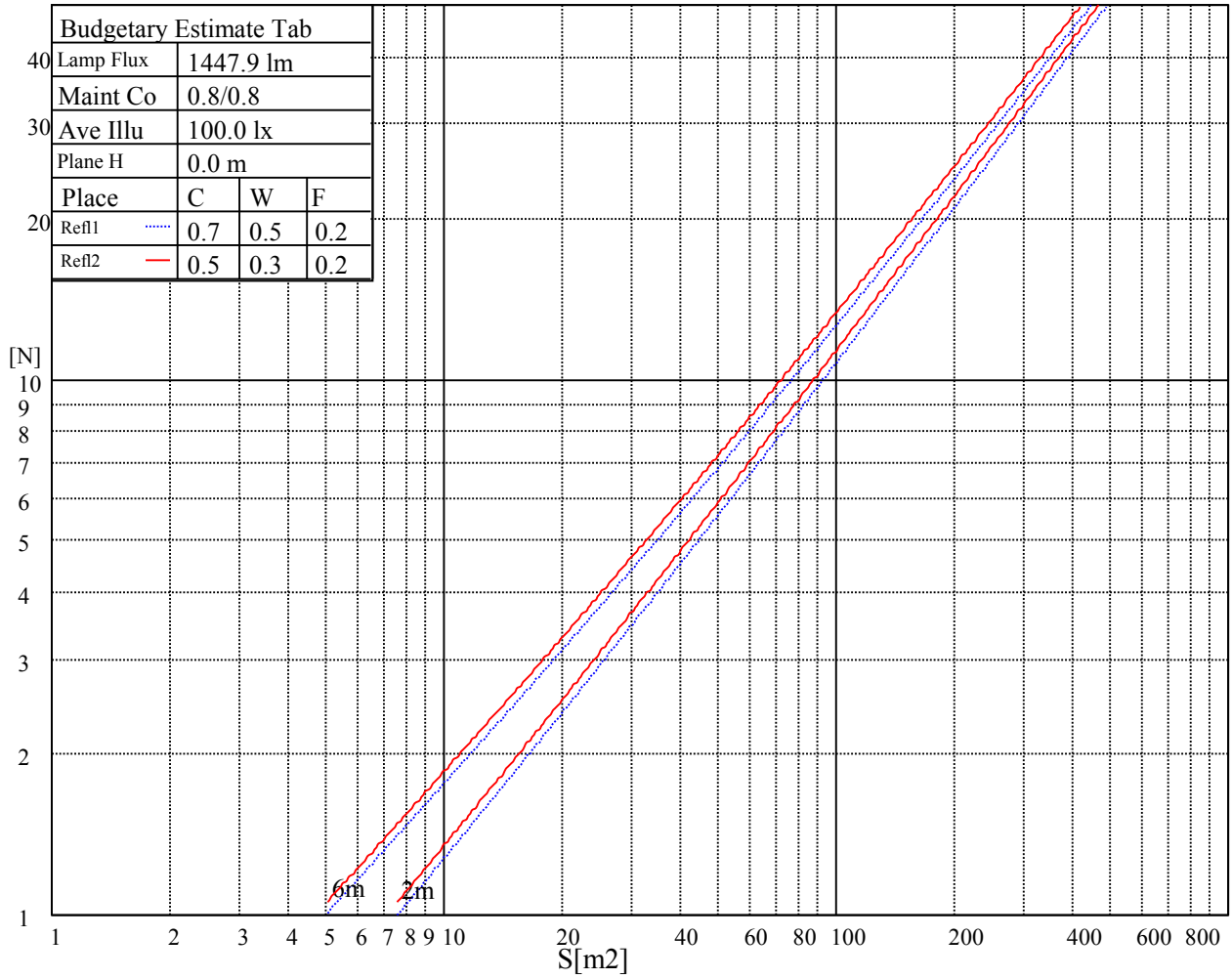
Luminance Limitting Curve



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 X Y	Viewed crosswise					Viewed endwise				
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
2H 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
2H 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
2H 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
2H 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
2H 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
4H 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 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
4H 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
4H 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
4H 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
8H 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 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
8H 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
12H 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
12H 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

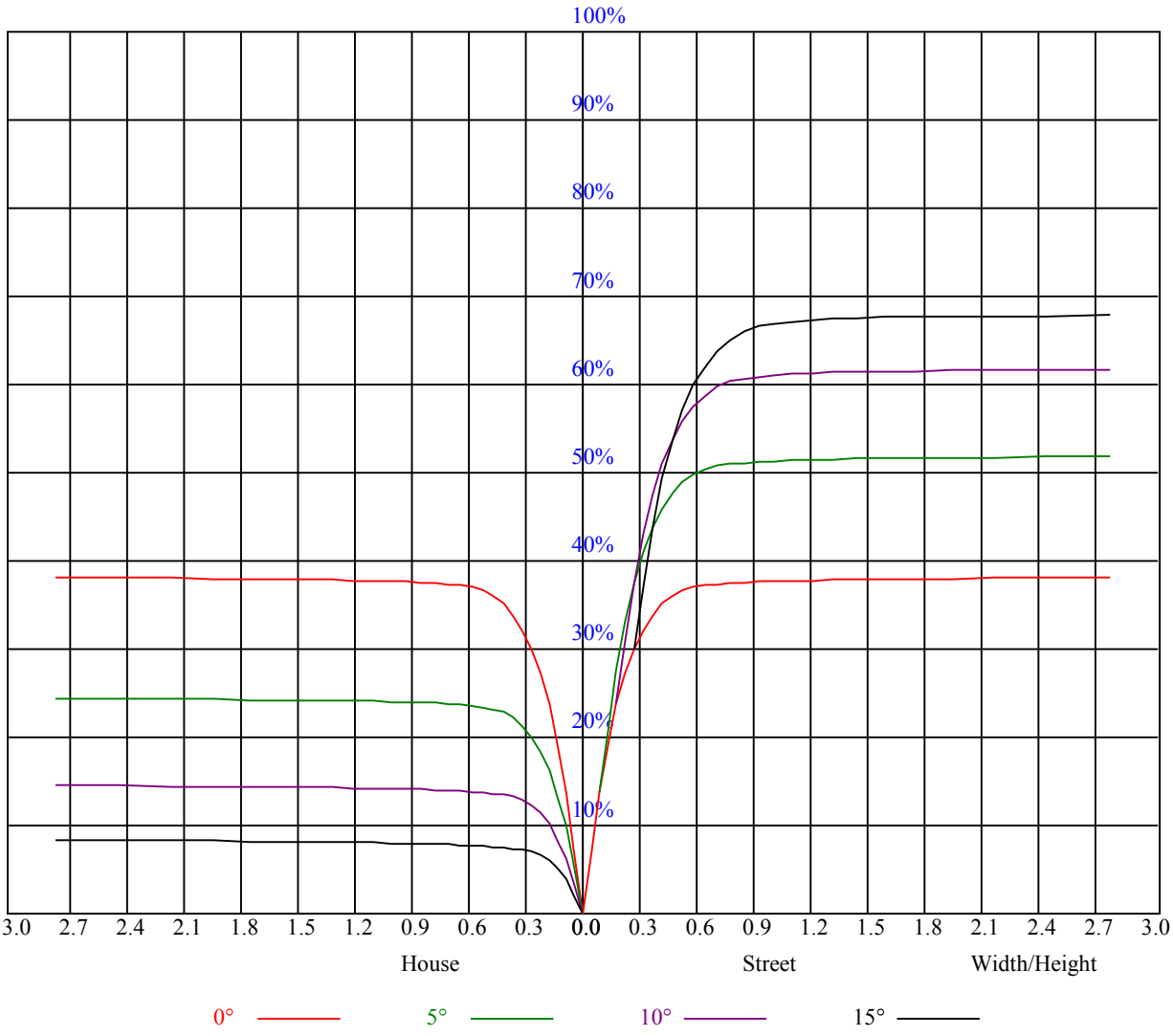


Equipment: GMS1980 Date: 2020/3/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.50

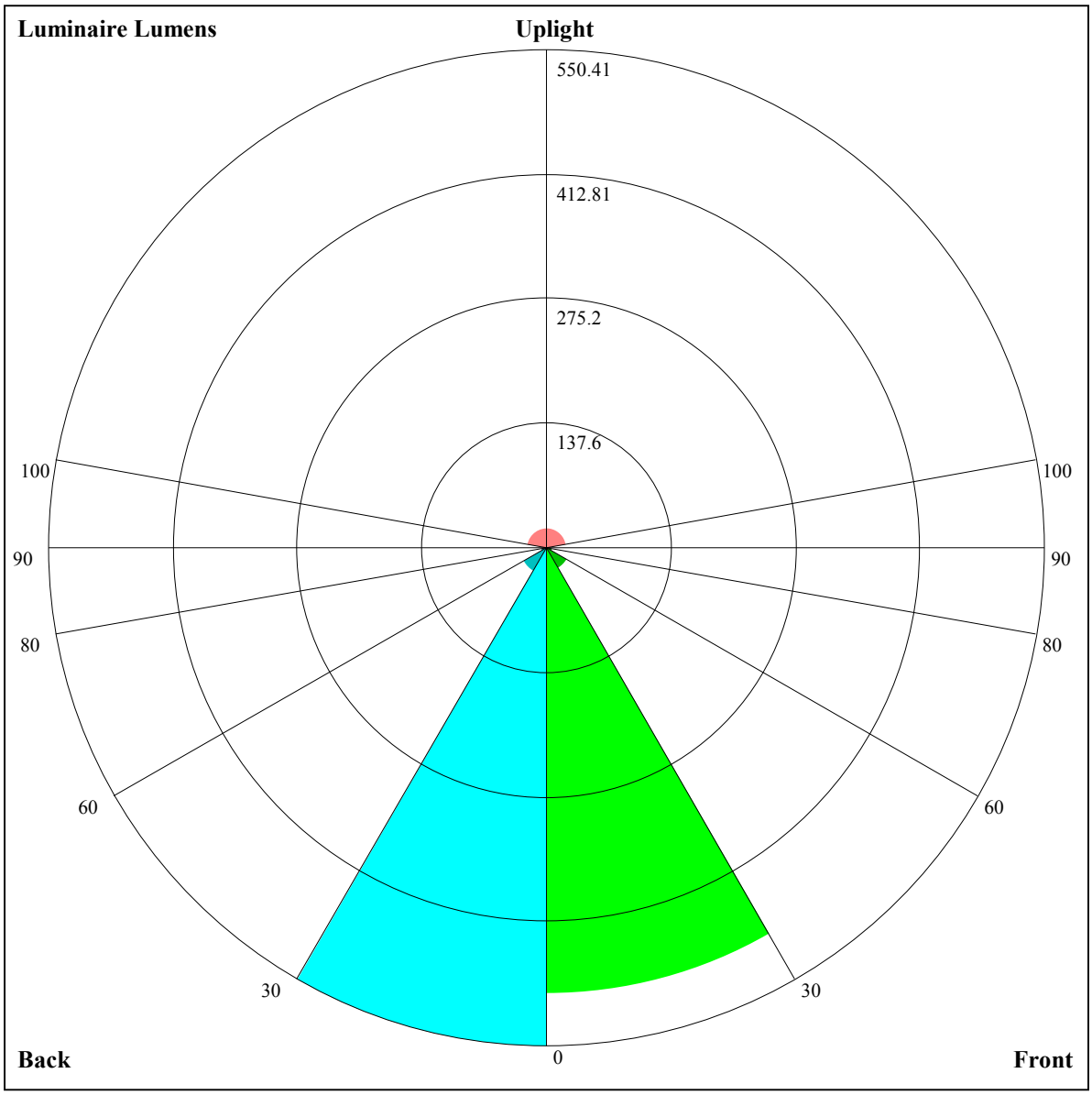
Utilization factor table for indoor luminaire

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	0.91	0.91	0.91	0.89	0.89	0.89	0.85	0.85	0.85	0.82	0.82	0.82	0.78	0.78	0.78	0.77
1	0.86	0.85	0.83	0.85	0.83	0.82	0.82	0.81	0.79	0.79	0.78	0.77	0.76	0.76	0.75	0.74
2	0.82	0.80	0.78	0.81	0.79	0.77	0.78	0.77	0.75	0.76	0.75	0.73	0.74	0.73	0.72	0.71
3	0.78	0.75	0.73	0.77	0.75	0.73	0.75	0.73	0.71	0.74	0.72	0.70	0.72	0.71	0.69	0.68
4	0.75	0.72	0.70	0.74	0.71	0.69	0.73	0.70	0.68	0.71	0.69	0.68	0.70	0.68	0.67	0.66
5	0.72	0.69	0.67	0.72	0.69	0.66	0.70	0.68	0.66	0.69	0.67	0.65	0.68	0.66	0.65	0.64
6	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.66	0.64	0.67	0.65	0.63	0.66	0.64	0.63	0.62
7	0.68	0.64	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.65	0.63	0.61	0.65	0.63	0.61	0.60
8	0.65	0.62	0.60	0.65	0.62	0.60	0.64	0.62	0.60	0.64	0.61	0.59	0.63	0.61	0.59	0.58
9	0.64	0.60	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.62	0.59	0.58	0.61	0.59	0.58	0.57
10	0.62	0.59	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.60	0.58	0.56	0.60	0.58	0.56	0.55

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2020/3/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 65.0%	Distance(m): 7.50



Luminaire Lumens:
FL=492.45,FM=25.47,FH=6.35,FVH=2.84
BL=550.41,BM=29.98,BH=6.51,BVH=2.85
UL=4.84,UH=23.04

BUG Rating:B2-U2-G0

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	6456.38	6366.94	6175.69	5882.06	5407.31	4891.50	4268.81	3655.69	3171.94
45.0	6458.06	6359.06	6138.00	5766.19	5324.06	4745.25	4129.31	3581.44	3048.75
90.0	6427.13	6329.81	6100.31	5717.25	5268.38	4691.81	4078.13	3550.50	3036.38
135.0	6435.56	6444.56	6364.69	6204.94	5925.94	5486.63	4950.56	4413.94	3815.44
180.0	6456.38	6466.50	6415.88	6280.88	6053.63	5713.88	5136.19	4602.94	4052.81
225.0	6458.06	6477.19	6429.38	6330.94	6148.13	5807.25	5338.69	4843.13	4251.94
270.0	6427.13	6455.81	6404.63	6282.00	6098.06	5706.00	5233.50	4757.06	4186.13
315.0	6435.56	6368.63	6168.38	5885.44	5492.25	5015.25	4368.38	3846.94	3364.88
360.0	6456.38	6366.94	6175.69	5882.06	5407.31	4891.50	4268.81	3655.69	3171.94

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2710.13	2338.31	2084.06	1864.69	1633.50	1475.44	1336.50	1212.19	1074.38
45.0	2651.63	2297.25	2013.19	1801.13	1623.94	1432.13	1298.25	1180.13	1047.94
90.0	2653.31	2308.50	2035.13	1829.25	1651.50	1455.75	1321.31	1110.38	1069.59
135.0	3286.69	2867.06	2467.69	2188.13	1927.13	1707.75	1540.69	1411.88	1235.25
180.0	3459.38	2944.13	2561.63	2222.44	1953.56	1748.81	1555.88	1407.38	1260.56
225.0	3663.00	3188.25	2724.19	2391.75	2095.88	1854.00	1669.50	1505.25	1329.75
270.0	3623.06	3161.25	2716.31	2397.38	2108.25	1863.56	1675.69	1492.31	1334.81
315.0	2883.38	2483.44	2201.06	1938.94	1718.44	1553.63	1392.75	1266.19	1121.40
360.0	2710.13	2338.31	2084.06	1864.69	1633.50	1475.44	1336.50	1212.19	1074.38

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	973.13	884.25	785.25	710.44	635.63	552.38	470.25	399.94	324.00
45.0	948.38	855.00	768.38	680.06	605.25	520.88	452.81	375.75	300.38
90.0	953.44	860.40	779.34	683.38	606.88	531.56	442.80	375.92	311.46
135.0	1117.13	1019.81	888.19	803.25	738.00	637.31	556.31	486.56	404.44
180.0	1113.58	1021.56	926.21	819.06	745.48	675.90	587.36	516.15	446.46
225.0	1109.87	1096.48	972.17	881.83	800.66	729.96	638.72	567.79	488.76
270.0	1212.19	1103.63	977.63	885.38	804.38	725.63	641.81	565.88	481.50
315.0	1019.31	924.30	837.45	744.75	671.57	598.44	506.36	435.83	367.26
360.0	973.13	884.25	785.25	710.44	635.63	552.38	470.25	399.94	324.00

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	284.63	203.91	145.63	107.94	80.72	60.58	53.27	47.76	42.47
45.0	284.63	181.52	135.39	99.39	71.44	58.67	49.78	45.34	40.28
90.0	244.46	186.58	136.35	99.22	72.96	56.14	49.22	43.76	39.54
135.0	336.38	288.56	201.54	156.32	110.08	80.72	61.93	52.71	46.35
180.0	363.15	300.66	241.43	178.59	141.08	100.29	68.18	56.31	48.37
225.0	419.29	341.55	278.21	215.16	164.93	124.88	87.41	65.14	54.00
270.0	408.38	331.31	290.81	205.03	153.39	109.13	78.30	59.46	50.12
315.0	293.06	224.33	175.44	128.53	94.89	67.33	54.84	48.77	43.54
360.0	284.63	203.91	145.63	107.94	80.72	60.58	53.27	47.76	42.47

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	38.87	36.00	32.96	29.42	26.04	22.33	18.56	15.64	13.16
45.0	37.24	34.71	31.56	27.96	24.64	20.93	17.66	14.85	13.22
90.0	35.44	32.74	29.36	25.71	22.61	19.69	17.04	14.57	12.77
135.0	42.02	38.53	35.27	31.61	28.74	25.26	21.66	18.79	15.75
180.0	42.81	39.88	36.84	33.53	30.99	28.29	24.53	20.64	17.55
225.0	48.15	43.93	39.88	36.56	33.41	30.32	26.16	23.29	20.19
270.0	45.73	41.68	37.46	33.98	30.49	26.55	22.73	19.58	16.48
315.0	39.04	35.78	32.57	28.41	25.37	22.33	18.90	15.92	13.78
360.0	38.87	36.00	32.96	29.42	26.04	22.33	18.56	15.64	13.16

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	11.76	10.58	9.90	9.45	9.00	8.55	8.16	7.82	7.54
45.0	11.98	11.08	10.63	10.01	9.62	9.17	8.72	8.38	8.21
90.0	11.59	10.86	10.13	9.79	9.39	8.94	8.49	8.16	7.93
135.0	13.73	12.21	11.19	10.52	10.07	9.56	9.23	8.83	8.44
180.0	14.29	12.21	10.97	10.18	9.68	9.28	8.94	8.55	8.16
225.0	17.16	14.74	13.11	11.98	11.25	10.80	10.41	9.90	9.34
270.0	14.34	12.66	11.31	10.63	9.96	9.45	9.11	8.72	8.33
315.0	12.04	10.80	10.07	9.51	9.17	8.78	8.38	8.04	7.82
360.0	11.76	10.58	9.90	9.45	9.00	8.55	8.16	7.82	7.54

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	7.37	7.20	7.09	6.92	6.81	6.81	6.75	6.75	6.69
45.0	7.93	7.76	7.65	7.48	7.43	7.37	7.31	7.26	7.20
90.0	7.76	7.54	7.43	7.26	7.14	7.09	7.09	7.14	7.20
135.0	8.16	7.99	7.82	7.59	7.48	7.37	7.31	7.31	7.26
180.0	7.76	7.59	7.43	7.26	7.20	7.09	7.03	6.98	6.92
225.0	8.89	8.55	8.33	8.10	7.99	7.76	7.59	7.54	7.48
270.0	7.99	7.82	7.59	7.43	7.31	7.20	7.09	7.09	7.09
315.0	7.59	7.31	7.20	7.03	6.92	6.86	6.92	6.92	6.86
360.0	7.37	7.20	7.09	6.92	6.81	6.81	6.75	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	6.64	6.58	6.58	6.53	6.47	6.30	6.19	5.96	5.79
45.0	7.09	7.03	6.98	6.81	6.69	6.58	6.41	6.19	6.02
90.0	7.09	7.03	6.92	6.86	6.75	6.69	6.47	6.24	6.13
135.0	7.20	7.09	7.03	6.98	6.86	6.69	6.58	6.47	6.24
180.0	6.92	6.86	6.81	6.75	6.64	6.53	6.41	6.30	6.13
225.0	7.43	7.43	7.31	7.20	7.14	6.98	6.92	6.69	6.58
270.0	6.98	6.92	6.92	6.81	6.75	6.75	6.69	6.53	6.41
315.0	6.75	6.75	6.69	6.64	6.58	6.47	6.30	6.13	5.96
360.0	6.64	6.58	6.58	6.53	6.47	6.30	6.19	5.96	5.79

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.63	5.51	5.40	5.34	5.29	5.18	5.12	5.06	4.95
45.0	5.79	5.68	5.57	5.51	5.46	5.34	5.23	5.12	5.06
90.0	5.96	5.91	5.85	5.79	5.79	5.85	5.85	5.79	5.96
135.0	6.02	5.85	5.68	5.57	5.46	5.40	5.34	5.23	5.12
180.0	5.91	5.74	5.57	5.40	5.29	5.23	5.18	5.12	5.01
225.0	6.36	6.08	5.91	5.74	5.63	5.51	5.46	5.34	5.29
270.0	6.24	6.08	6.02	6.08	6.08	5.91	5.91	5.85	5.79
315.0	5.74	5.63	5.51	5.40	5.40	5.34	5.23	5.18	5.12
360.0	5.63	5.51	5.40	5.34	5.29	5.18	5.12	5.06	4.95

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.89	4.84	4.84	4.73	4.61	4.50	4.44	4.39	4.39
45.0	4.95	4.89	4.84	4.73	4.67	4.50	4.44	4.39	4.39
90.0	6.30	6.92	7.82	8.33	8.27	4.56	4.50	4.44	4.50
135.0	5.06	4.95	4.89	4.78	4.73	4.61	4.56	4.50	4.44
180.0	4.95	4.84	4.78	4.73	4.61	4.56	4.50	4.44	4.39
225.0	5.18	5.06	4.95	4.84	4.78	4.73	4.61	4.50	4.44
270.0	5.68	5.74	5.96	6.19	6.69	7.14	4.84	4.67	4.61
315.0	5.01	5.01	4.95	4.89	4.78	4.67	4.56	4.44	4.44
360.0	4.89	4.84	4.84	4.73	4.61	4.50	4.44	4.39	4.39

Intensity data(cd)

C/γ(°)	90.0
0.0	4.39
45.0	4.39
90.0	4.44
135.0	4.44
180.0	4.39
225.0	4.44
270.0	4.50
315.0	4.50
360.0	4.39