SOTEN LIGHTING LTD.
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SOTEN

LumCAT: R1013
Luminaire: 1321-E
Report No:
Test No:
LampCAT: CXA1304 3000K Ra95
Lamp flux(lm): 486.0
Number of Lamps: 1
Length(mm): 50
Phm Type: C

Voltage(V): 220.5000
Current(A): 0.0630
Power (W): 7.7600
PF: 0.5510
Ballast type: Philips 6W 150mA
Width(mm): 50
Height(mm): 45

Photometric Results

Lumens(lm): 391.47
Efficiency(%): 80.55%
Lumens(lm)/Power(W): 50.45
Central intensity(cd): 1852.700
Maximum intensity(cd): 1852.700
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=18.6
[C90/270]Total=18.6
Field angle(10%Imax): [C0/180]Total=51.4
[C90/270]Total=51.4
Maximum s/h(1/2): C0_180=0.32 C90_270=0.32
Maximum s/h(1/4): C0_180=0.47 C90_270=0.40
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 80.55%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.457%

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Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1852.699	.000	.000	.000%	.000%
1.0	1831.354	1.763	1.763	.363%	.363%
2.0	1767.318	5.165	6.928	1.063%	1.425%
3.0	1679.661	8.244	15.172	1.696%	3.122%
4.0	1562.679	10.853	26.025	2.233%	5.355%
5.0	1445.928	12.943	38.968	2.663%	8.018%
6.0	1318.597	14.528	53.496	2.989%	11.007%
7.0	1162.125	15.398	68.894	3.168%	14.176%
8.0	1014.377	15.577	84.471	3.205%	17.381%
9.0	952.104	15.937	100.408	3.279%	20.660%
10.0	863.381	16.429	116.838	3.381%	24.041%
11.0	782.917	16.450	133.288	3.385%	27.425%
12.0	714.008	16.364	149.651	3.367%	30.792%
13.0	650.528	16.194	165.845	3.332%	34.124%
14.0	597.350	15.973	181.817	3.287%	37.411%
15.0	548.441	15.730	197.547	3.237%	40.648%
16.0	498.604	15.342	212.890	3.157%	43.804%
17.0	455.217	14.854	227.743	3.056%	46.861%
18.0	412.108	14.300	242.043	2.942%	49.803%
19.0	370.345	13.613	255.656	2.801%	52.604%
20.0	331.645	12.848	268.505	2.644%	55.248%
21.0	295.589	12.044	280.549	2.478%	57.726%
22.0	263.432	11.234	291.783	2.311%	60.038%
23.0	231.414	10.383	302.166	2.136%	62.174%
24.0	218.699	9.841	312.007	2.025%	64.199%
25.0	201.251	9.549	321.556	1.965%	66.164%
26.0	177.957	8.951	330.507	1.842%	68.006%
27.0	162.133	8.320	338.827	1.712%	69.718%
28.0	137.632	7.589	346.417	1.562%	71.279%
29.0	106.960	6.399	352.816	1.317%	72.596%
30.0	72.018	4.832	357.648	.994%	73.590%
31.0	44.640	3.246	360.895	.668%	74.258%
32.0	27.424	2.065	362.959	.425%	74.683%
33.0	18.933	1.366	364.325	.281%	74.964%
34.0	15.406	1.039	365.364	.214%	75.178%
35.0	12.900	.879	366.243	.181%	75.359%
36.0	11.090	.764	367.007	.157%	75.516%
37.0	9.838	.683	367.690	.140%	75.656%

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Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	9.327	.640	368.329	.132%	75.788%
39.0	9.095	.629	368.958	.129%	75.917%
40.0	8.863	.626	369.584	.129%	76.046%
41.0	8.585	.621	370.206	.128%	76.174%
42.0	8.306	.614	370.819	.126%	76.300%
43.0	8.167	.610	371.430	.126%	76.426%
44.0	8.028	.611	372.041	.126%	76.552%
45.0	7.796	.608	372.649	.125%	76.677%
46.0	7.610	.602	373.252	.124%	76.801%
47.0	7.564	.604	373.855	.124%	76.925%
48.0	7.517	.610	374.465	.125%	77.050%
49.0	7.425	.614	375.078	.126%	77.177%
50.0	7.285	.613	375.692	.126%	77.303%
51.0	7.193	.613	376.304	.126%	77.429%
52.0	7.007	.609	376.913	.125%	77.554%
53.0	6.914	.606	377.519	.125%	77.679%
54.0	6.682	.599	378.118	.123%	77.802%
55.0	6.496	.588	378.707	.121%	77.923%
56.0	6.311	.579	379.285	.119%	78.042%
57.0	6.125	.569	379.854	.117%	78.159%
58.0	5.986	.560	380.414	.115%	78.274%
59.0	5.847	.553	380.967	.114%	78.388%
60.0	5.661	.544	381.511	.112%	78.500%
61.0	5.522	.534	382.045	.110%	78.610%
62.0	5.383	.525	382.570	.108%	78.718%
63.0	5.244	.517	383.087	.106%	78.824%
64.0	5.104	.508	383.595	.104%	78.929%
65.0	4.919	.496	384.091	.102%	79.031%
66.0	4.780	.484	384.574	.100%	79.131%
67.0	4.640	.474	385.048	.097%	79.228%
68.0	4.501	.463	385.511	.095%	79.323%
69.0	4.316	.450	385.961	.093%	79.416%
70.0	4.130	.434	386.395	.089%	79.505%
71.0	3.991	.420	386.814	.086%	79.591%
72.0	3.805	.405	387.220	.083%	79.675%
73.0	3.619	.388	387.608	.080%	79.755%
74.0	3.387	.368	387.976	.076%	79.831%
75.0	3.063	.341	388.317	.070%	79.901%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	2.831	.313	388.630	.064%	79.965%
77.0	2.691	.294	388.924	.061%	80.026%
78.0	2.459	.276	389.200	.057%	80.082%
79.0	2.320	.257	389.457	.053%	80.135%
80.0	2.181	.243	389.700	.050%	80.185%
81.0	2.088	.231	389.931	.048%	80.233%
82.0	1.949	.219	390.149	.045%	80.278%
83.0	1.810	.204	390.354	.042%	80.320%
84.0	1.717	.192	390.546	.040%	80.359%
85.0	1.624	.182	390.728	.038%	80.397%
86.0	1.485	.170	390.898	.035%	80.432%
87.0	1.392	.157	391.056	.032%	80.464%
88.0	1.299	.147	391.203	.030%	80.494%
89.0	1.160	.135	391.338	.028%	80.522%
90.0	1.160	.127	391.465	.026%	80.548%

Zonal flux distribution table

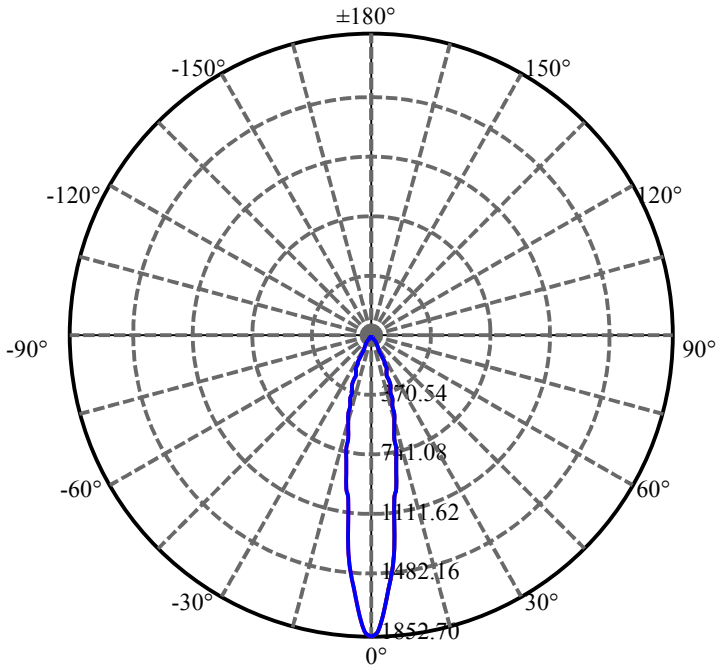
ZONAL LUMEN SUMMARY

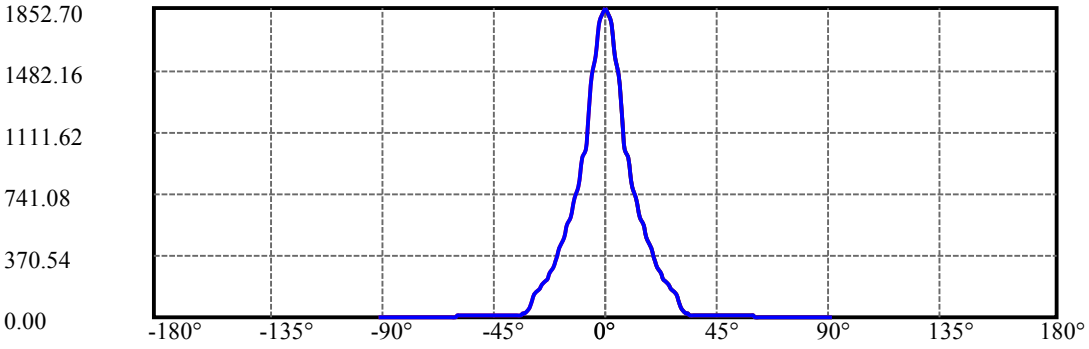
Zone	Lumens	%Lamp	%Fixt
0-30	357.65	73.59%	91.36%
0-40	369.58	76.05%	94.41%
0-60	381.51	78.50%	97.46%
0-90	391.34	80.52%	99.97%
0-120	391.34	80.52%	99.97%
0-180	391.47	80.55%	100.00%
60-90	10.37	2.13%	2.65%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-24.12	313.17	64.44%	80.00%

ZONAL LUMEN SUMMARY

0-10	116.84
10-20	151.67
20-30	89.14
30-40	11.94
40-50	6.11
50-60	5.82
60-70	4.88
70-80	3.30
80-90	1.64
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):

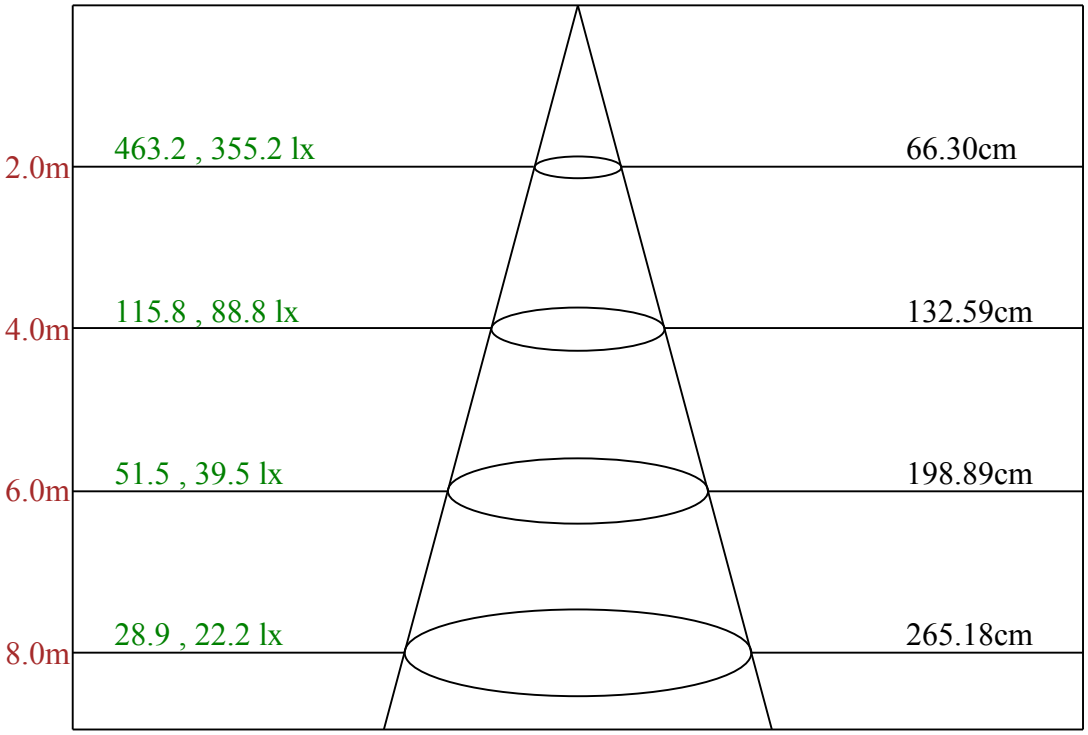
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:25.7 Right:25.7
:C90/270Left:25.7 Right:25.7

Beam Angle(50%Imax):C0/180Left:9.3 Right:9.3
:C90/270Left:9.3 Right:9.3

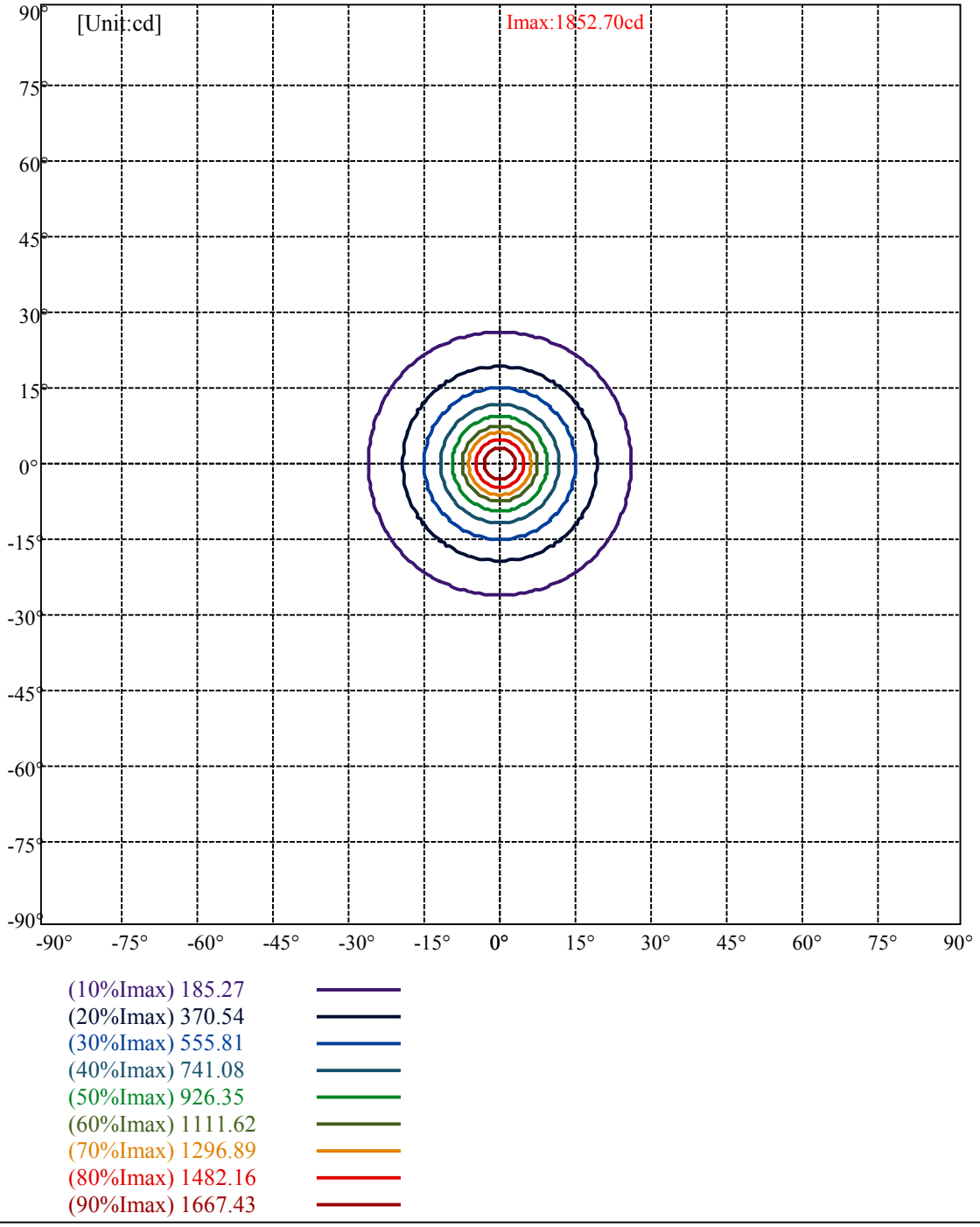
Lux distance Curve



Max , Ave

Beam angle of C0plane18.82

ISO-Intensity(V-H)

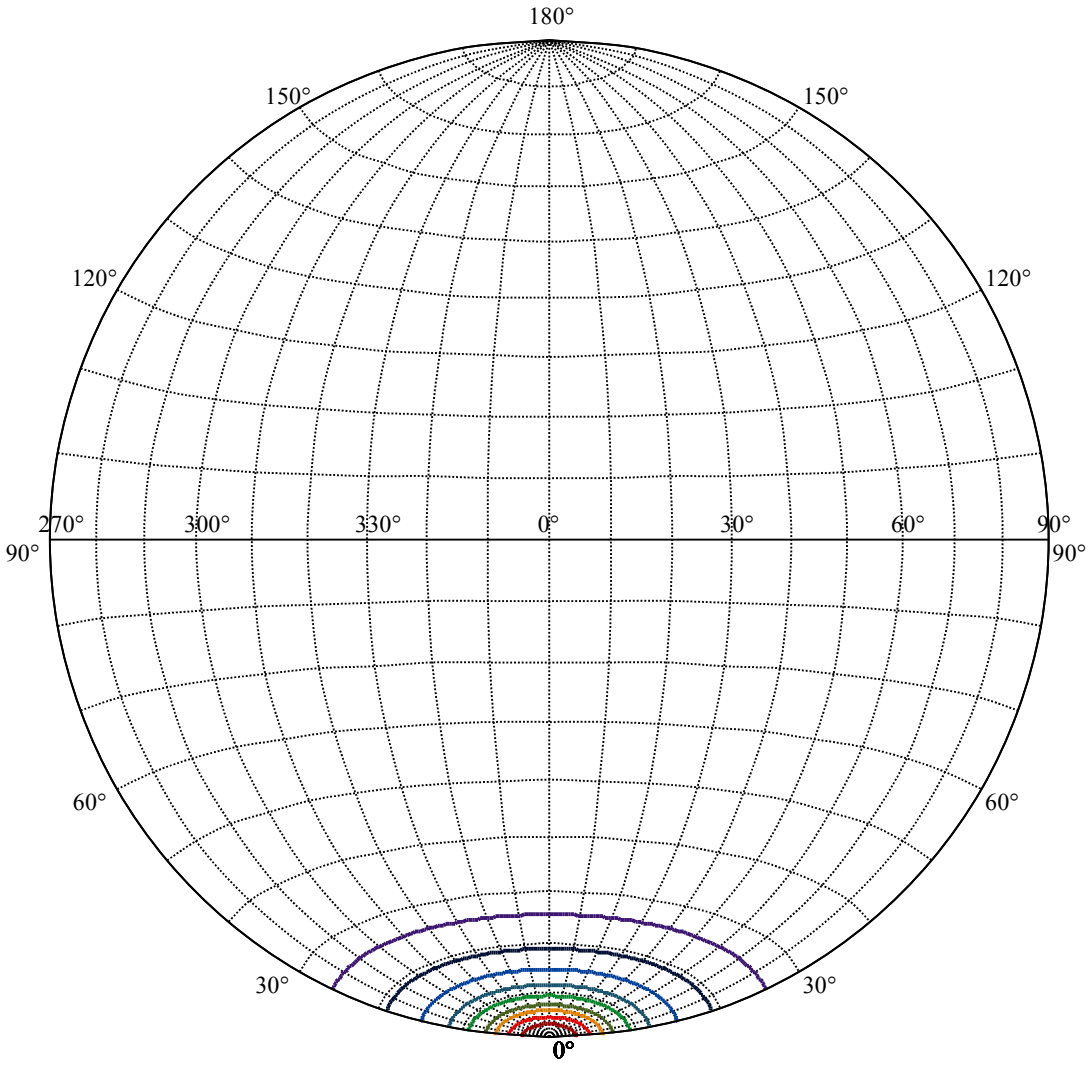


Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2019/8/15
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.81

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:1852.70

(10%Imax) 185.27
(20%Imax) 370.54
(30%Imax) 555.81
(40%Imax) 741.08
(50%Imax) 926.35
(60%Imax) 1111.62
(70%Imax) 1296.89
(80%Imax) 1482.16
(90%Imax) 1667.43

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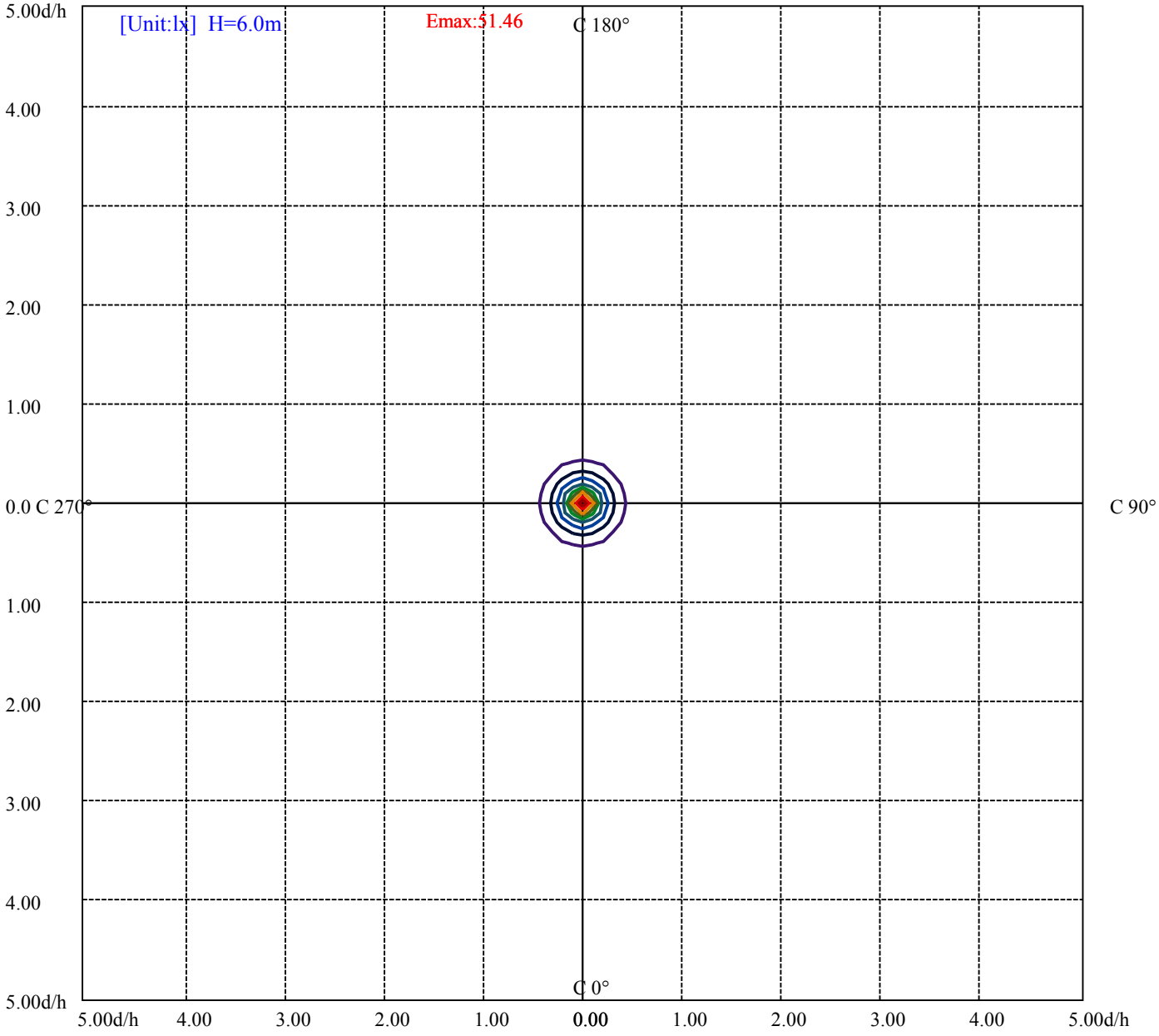
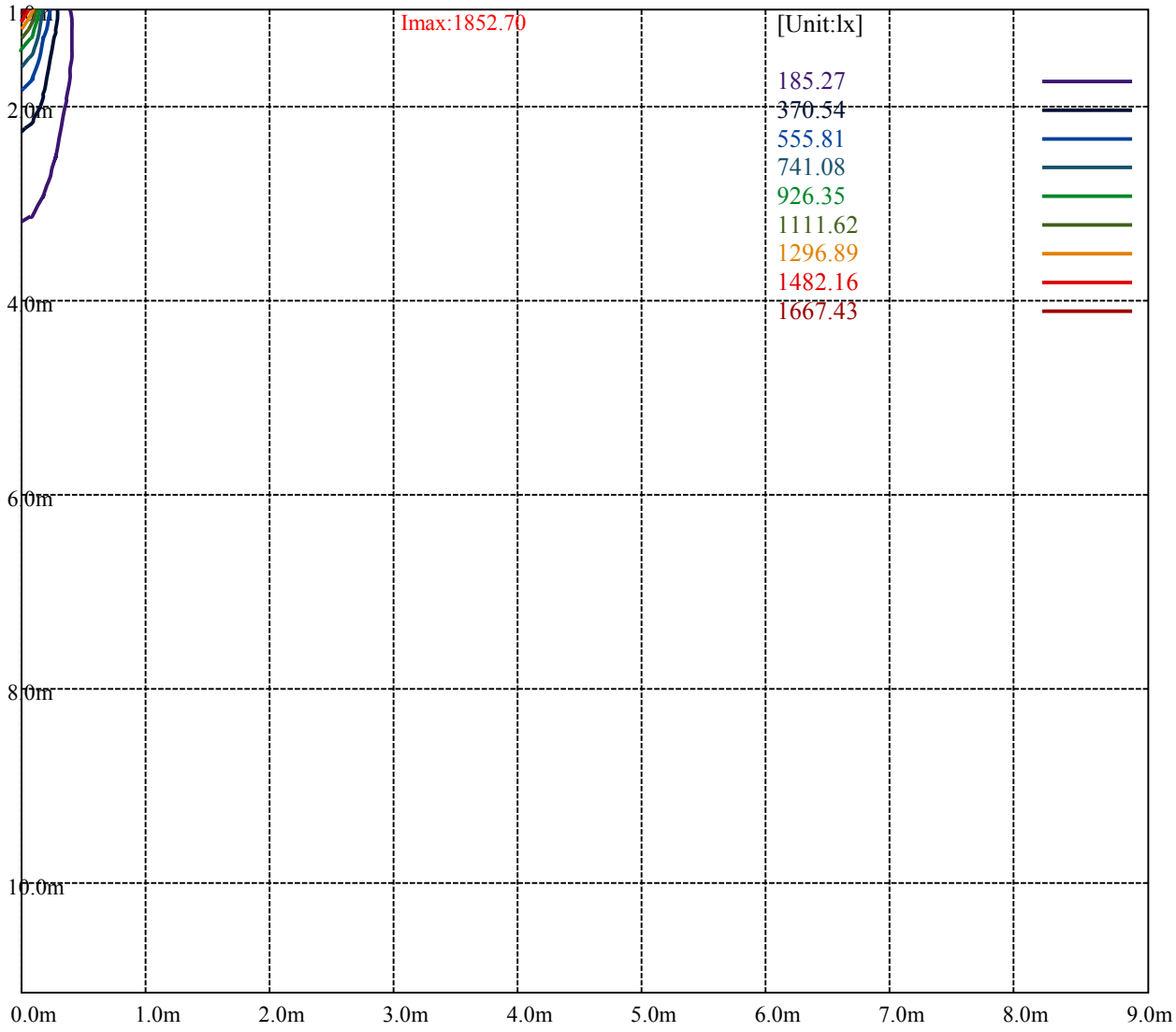
ISO illuminance diagram



(10%Emax) 5.146389
(20%Emax) 10.29275
(30%Emax) 15.43914
(40%Emax) 20.58553
(50%Emax) 25.73189
(60%Emax) 30.87833
(70%Emax) 36.02472
(80%Emax) 41.17111
(90%Emax) 46.3175

Equipment: GMS 1800
Temperature(°C): 25.0
Date: 2019/8/15
Humidity(%): 60.0%
Operator: 01
Distance(m): 6.81

Space ISO Lux diagram



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2019/8/15
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.81

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Luminance Limitting Curve(no luminous side)

Luminance Table

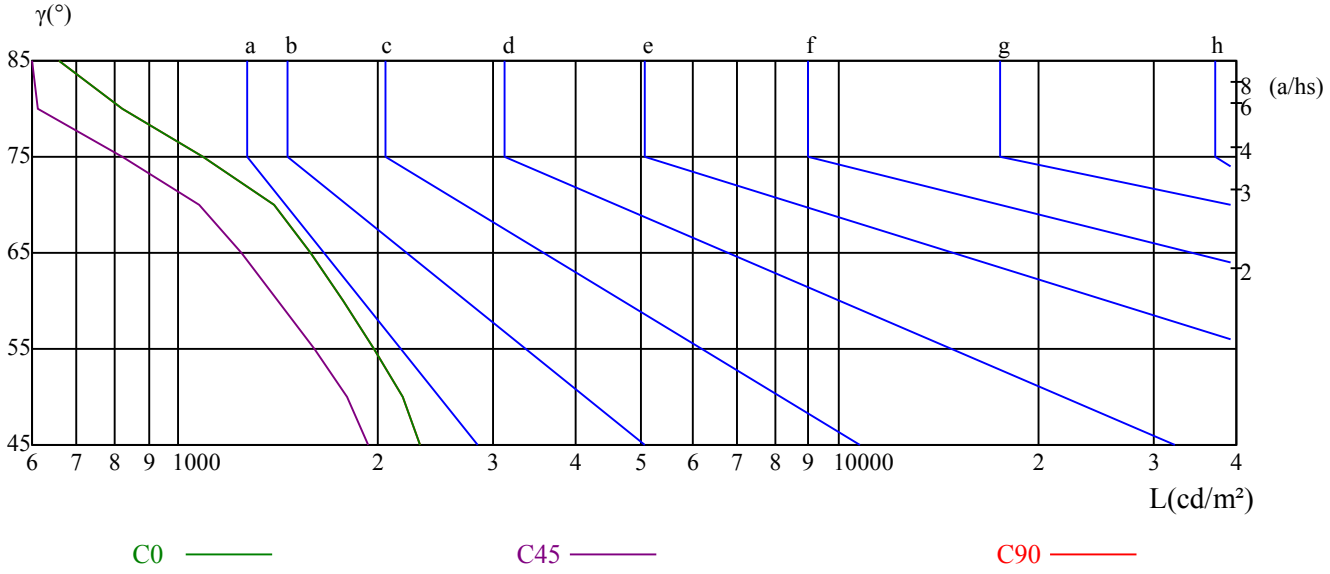
γ	45	50	55	60	65	70	75	80	85
C0	2321	2187	1982	1770	1589	1391	1086	823	660
C45	1940	1801	1608	1413	1248	1074	823	611	479
C90	2321	2187	1982	1770	1589	1391	1086	823	660

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
4656	4656	4656	4733	4733	4733	7454	7454	7454

Glare Table

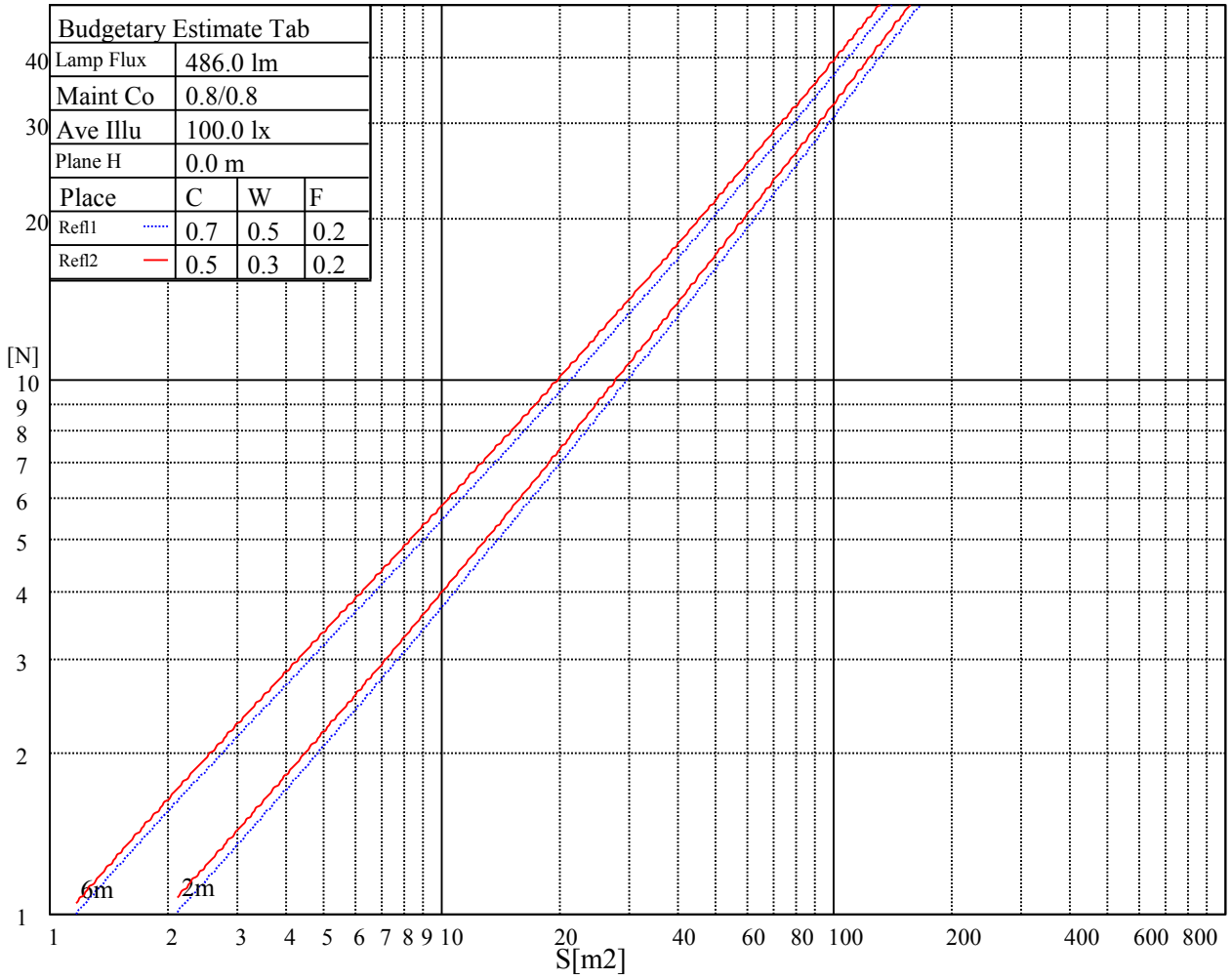
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limitting Curve



Illuminatin 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	1.5	2.2	1.8	2.4	2.6	1.5	2.2	1.8	2.4	2.6
	3H	3.2	3.8	3.5	4.1	4.3	3.2	3.8	3.5	4.1	4.3
	4H	3.7	4.3	4.1	4.5	4.9	3.7	4.3	4.1	4.5	4.9
	6H	4.3	4.8	4.6	5.1	5.4	4.3	4.8	4.6	5.1	5.4
	8H	4.5	5.0	4.8	5.3	5.6	4.5	5.0	4.8	5.3	5.6
	12H	4.5	4.9	4.9	5.3	5.6	4.5	4.9	4.9	5.3	5.6
4H	2H	2.1	2.6	2.4	2.9	3.2	2.1	2.6	2.4	2.9	3.2
	3H	3.8	4.2	4.3	4.6	5.0	3.8	4.2	4.3	4.6	5.0
	4H	4.7	5.1	5.1	5.4	5.8	4.7	5.1	5.1	5.4	5.8
	6H	5.3	5.7	5.7	6.1	6.5	5.3	5.7	5.7	6.1	6.5
	8H	5.4	5.6	5.9	6.1	6.6	5.4	5.6	5.9	6.1	6.6
	12H	5.6	5.9	6.1	6.3	6.8	5.6	5.9	6.1	6.3	6.8
8H	4H	4.8	5.0	5.3	5.5	6.0	4.8	5.0	5.3	5.5	6.0
	6H	5.6	5.8	6.1	6.3	6.8	5.6	5.8	6.1	6.3	6.8
	8H	6.0	6.2	6.5	6.7	7.2	6.0	6.2	6.5	6.7	7.2
	12H	6.3	6.5	6.8	7.0	7.5	6.3	6.5	6.8	7.0	7.5
12H	4H	4.9	5.1	5.4	5.6	6.1	4.9	5.1	5.4	5.6	6.1
	6H	5.7	5.9	6.2	6.4	6.9	5.7	5.9	6.2	6.4	6.9
	8H	6.1	6.3	6.6	6.8	7.3	6.1	6.3	6.6	6.8	7.3
Variation with the observer position at spacings:											
S = 1.0H		0.5/-0.7					0.5/-0.7				
S = 1.5H		0.8/-0.7					0.8/-0.7				
S = 2.0H		1.8/-0.7					1.8/-0.7				
Standard tables:		BK3					BK3				
Uncorrected UGR		-8.2					-8.2				

Budgetary Estimate Table



Equipment: GMS 1800
Temperature(°C): 25.0

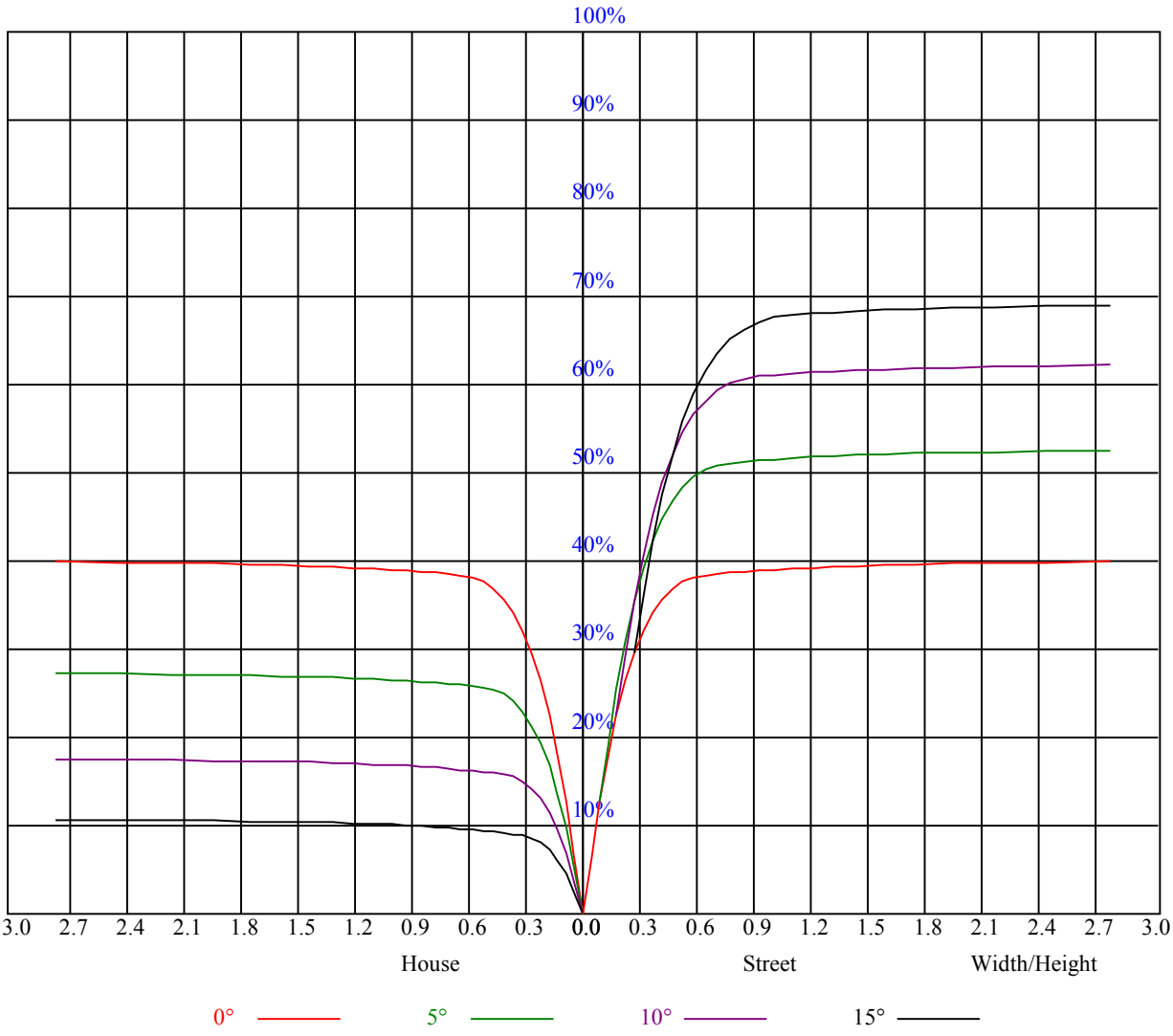
Date: 2019/8/15
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.81

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	0.96	0.96	0.96	0.94	0.94	0.94	0.89	0.89	0.89	0.86	0.86	0.86	0.82	0.82	0.82	0.81
1	0.90	0.88	0.87	0.88	0.87	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.77
2	0.85	0.82	0.80	0.84	0.81	0.79	0.81	0.79	0.77	0.79	0.77	0.76	0.77	0.75	0.74	0.73
3	0.81	0.78	0.75	0.80	0.77	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.74	0.72	0.71	0.70
4	0.77	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.73	0.71	0.69	0.72	0.70	0.68	0.67
5	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.71	0.68	0.66	0.69	0.67	0.65	0.64
6	0.71	0.67	0.64	0.70	0.67	0.64	0.69	0.66	0.64	0.68	0.66	0.63	0.67	0.65	0.63	0.62
7	0.68	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.65	0.63	0.61	0.60
8	0.66	0.62	0.60	0.65	0.62	0.59	0.65	0.62	0.59	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	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.61	0.59	0.57	0.56
10	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.55	0.60	0.57	0.55	0.60	0.57	0.55	0.54

Coefficient Utilization Curve



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2019/8/15
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.81

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	1852.70	1831.35	1767.32	1679.66	1562.68	1445.93	1318.60	1162.13	1014.38
45.0	1852.70	1831.35	1767.32	1679.66	1562.68	1445.93	1318.60	1162.13	1014.38
90.0	1852.70	1831.35	1767.32	1679.66	1562.68	1445.93	1318.60	1162.13	1014.38
135.0	1852.70	1831.35	1767.32	1679.66	1562.68	1445.93	1318.60	1162.13	1014.38
180.0	1852.70	1831.35	1767.32	1679.66	1562.68	1445.93	1318.60	1162.13	1014.38
225.0	1852.70	1831.35	1767.32	1679.66	1562.68	1445.93	1318.60	1162.13	1014.38
270.0	1852.70	1831.35	1767.32	1679.66	1562.68	1445.93	1318.60	1162.13	1014.38
315.0	1852.70	1831.35	1767.32	1679.66	1562.68	1445.93	1318.60	1162.13	1014.38
360.0	1852.70	1831.35	1767.32	1679.66	1562.68	1445.93	1318.60	1162.13	1014.38

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	952.10	863.38	782.92	714.01	650.53	597.35	548.44	498.60	455.22
45.0	952.10	863.38	782.92	714.01	650.53	597.35	548.44	498.60	455.22
90.0	952.10	863.38	782.92	714.01	650.53	597.35	548.44	498.60	455.22
135.0	952.10	863.38	782.92	714.01	650.53	597.35	548.44	498.60	455.22
180.0	952.10	863.38	782.92	714.01	650.53	597.35	548.44	498.60	455.22
225.0	952.10	863.38	782.92	714.01	650.53	597.35	548.44	498.60	455.22
270.0	952.10	863.38	782.92	714.01	650.53	597.35	548.44	498.60	455.22
315.0	952.10	863.38	782.92	714.01	650.53	597.35	548.44	498.60	455.22
360.0	952.10	863.38	782.92	714.01	650.53	597.35	548.44	498.60	455.22

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	412.11	370.35	331.64	295.59	263.43	231.41	218.70	201.25	177.96
45.0	412.11	370.35	331.64	295.59	263.43	231.41	218.70	201.25	177.96
90.0	412.11	370.35	331.64	295.59	263.43	231.41	218.70	201.25	177.96
135.0	412.11	370.35	331.64	295.59	263.43	231.41	218.70	201.25	177.96
180.0	412.11	370.35	331.64	295.59	263.43	231.41	218.70	201.25	177.96
225.0	412.11	370.35	331.64	295.59	263.43	231.41	218.70	201.25	177.96
270.0	412.11	370.35	331.64	295.59	263.43	231.41	218.70	201.25	177.96
315.0	412.11	370.35	331.64	295.59	263.43	231.41	218.70	201.25	177.96
360.0	412.11	370.35	331.64	295.59	263.43	231.41	218.70	201.25	177.96

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	162.13	137.63	106.96	72.02	44.64	27.42	18.93	15.41	12.90
45.0	162.13	137.63	106.96	72.02	44.64	27.42	18.93	15.41	12.90
90.0	162.13	137.63	106.96	72.02	44.64	27.42	18.93	15.41	12.90
135.0	162.13	137.63	106.96	72.02	44.64	27.42	18.93	15.41	12.90
180.0	162.13	137.63	106.96	72.02	44.64	27.42	18.93	15.41	12.90
225.0	162.13	137.63	106.96	72.02	44.64	27.42	18.93	15.41	12.90
270.0	162.13	137.63	106.96	72.02	44.64	27.42	18.93	15.41	12.90
315.0	162.13	137.63	106.96	72.02	44.64	27.42	18.93	15.41	12.90
360.0	162.13	137.63	106.96	72.02	44.64	27.42	18.93	15.41	12.90

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	11.09	9.84	9.33	9.10	8.86	8.58	8.31	8.17	8.03
45.0	11.09	9.84	9.33	9.10	8.86	8.58	8.31	8.17	8.03
90.0	11.09	9.84	9.33	9.10	8.86	8.58	8.31	8.17	8.03
135.0	11.09	9.84	9.33	9.10	8.86	8.58	8.31	8.17	8.03
180.0	11.09	9.84	9.33	9.10	8.86	8.58	8.31	8.17	8.03
225.0	11.09	9.84	9.33	9.10	8.86	8.58	8.31	8.17	8.03
270.0	11.09	9.84	9.33	9.10	8.86	8.58	8.31	8.17	8.03
315.0	11.09	9.84	9.33	9.10	8.86	8.58	8.31	8.17	8.03
360.0	11.09	9.84	9.33	9.10	8.86	8.58	8.31	8.17	8.03

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	7.80	7.61	7.56	7.52	7.42	7.29	7.19	7.01	6.91
45.0	7.80	7.61	7.56	7.52	7.42	7.29	7.19	7.01	6.91
90.0	7.80	7.61	7.56	7.52	7.42	7.29	7.19	7.01	6.91
135.0	7.80	7.61	7.56	7.52	7.42	7.29	7.19	7.01	6.91
180.0	7.80	7.61	7.56	7.52	7.42	7.29	7.19	7.01	6.91
225.0	7.80	7.61	7.56	7.52	7.42	7.29	7.19	7.01	6.91
270.0	7.80	7.61	7.56	7.52	7.42	7.29	7.19	7.01	6.91
315.0	7.80	7.61	7.56	7.52	7.42	7.29	7.19	7.01	6.91
360.0	7.80	7.61	7.56	7.52	7.42	7.29	7.19	7.01	6.91

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	6.68	6.50	6.31	6.13	5.99	5.85	5.66	5.52	5.38
45.0	6.68	6.50	6.31	6.13	5.99	5.85	5.66	5.52	5.38
90.0	6.68	6.50	6.31	6.13	5.99	5.85	5.66	5.52	5.38
135.0	6.68	6.50	6.31	6.13	5.99	5.85	5.66	5.52	5.38
180.0	6.68	6.50	6.31	6.13	5.99	5.85	5.66	5.52	5.38
225.0	6.68	6.50	6.31	6.13	5.99	5.85	5.66	5.52	5.38
270.0	6.68	6.50	6.31	6.13	5.99	5.85	5.66	5.52	5.38
315.0	6.68	6.50	6.31	6.13	5.99	5.85	5.66	5.52	5.38
360.0	6.68	6.50	6.31	6.13	5.99	5.85	5.66	5.52	5.38

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	5.24	5.10	4.92	4.78	4.64	4.50	4.32	4.13	3.99
45.0	5.24	5.10	4.92	4.78	4.64	4.50	4.32	4.13	3.99
90.0	5.24	5.10	4.92	4.78	4.64	4.50	4.32	4.13	3.99
135.0	5.24	5.10	4.92	4.78	4.64	4.50	4.32	4.13	3.99
180.0	5.24	5.10	4.92	4.78	4.64	4.50	4.32	4.13	3.99
225.0	5.24	5.10	4.92	4.78	4.64	4.50	4.32	4.13	3.99
270.0	5.24	5.10	4.92	4.78	4.64	4.50	4.32	4.13	3.99
315.0	5.24	5.10	4.92	4.78	4.64	4.50	4.32	4.13	3.99
360.0	5.24	5.10	4.92	4.78	4.64	4.50	4.32	4.13	3.99

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	3.81	3.62	3.39	3.06	2.83	2.69	2.46	2.32	2.18
45.0	3.81	3.62	3.39	3.06	2.83	2.69	2.46	2.32	2.18
90.0	3.81	3.62	3.39	3.06	2.83	2.69	2.46	2.32	2.18
135.0	3.81	3.62	3.39	3.06	2.83	2.69	2.46	2.32	2.18
180.0	3.81	3.62	3.39	3.06	2.83	2.69	2.46	2.32	2.18
225.0	3.81	3.62	3.39	3.06	2.83	2.69	2.46	2.32	2.18
270.0	3.81	3.62	3.39	3.06	2.83	2.69	2.46	2.32	2.18
315.0	3.81	3.62	3.39	3.06	2.83	2.69	2.46	2.32	2.18
360.0	3.81	3.62	3.39	3.06	2.83	2.69	2.46	2.32	2.18

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.09	1.95	1.81	1.72	1.62	1.48	1.39	1.30	1.16
45.0	2.09	1.95	1.81	1.72	1.62	1.48	1.39	1.30	1.16
90.0	2.09	1.95	1.81	1.72	1.62	1.48	1.39	1.30	1.16
135.0	2.09	1.95	1.81	1.72	1.62	1.48	1.39	1.30	1.16
180.0	2.09	1.95	1.81	1.72	1.62	1.48	1.39	1.30	1.16
225.0	2.09	1.95	1.81	1.72	1.62	1.48	1.39	1.30	1.16
270.0	2.09	1.95	1.81	1.72	1.62	1.48	1.39	1.30	1.16
315.0	2.09	1.95	1.81	1.72	1.62	1.48	1.39	1.30	1.16
360.0	2.09	1.95	1.81	1.72	1.62	1.48	1.39	1.30	1.16

Intensity data(cd)

C/γ(°)	90.0
0.0	1.16
45.0	1.16
90.0	1.16
135.0	1.16
180.0	1.16
225.0	1.16
270.0	1.16
315.0	1.16
360.0	1.16