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Address:Jin OU Road,JiangMen Gity,GuangDong,China

SOTEN

LumCAT: G1067
Luminaire: 1-0803-S 36*36°
Report No:
Test No:
LampCAT: LUMILEDS-5050-3090*9
Lamp flux(lm): 3600.0
Number of Lamps: 1
Length(mm): 105
Phm Type: C

Voltage(V): 230.7000
Current(A): 0.1310
Power (W): 28.8300
PF: 0.9510
Ballast type: LC 30/500/54 FLXC SR SNC2
Width(mm): 105
Height(mm): 10

Photometric Results

Lumens(lm): 2846.09
Efficiency(%): 79.06%
Lumens(lm)/Power(W): 98.72
Central intensity(cd): 7167.653
Maximum intensity(cd): 7198.576
Angle of maximum intensity: C=270.0 γ=2.0
Beam Angle(50%Imax): [C0/180]Total=37.8
[C90/270]Total=37.2
Field angle(10%Imax): [C0/180]Total=57.0
[C90/270]Total=56.5
Maximum s/h(1/2): C0_180=0.56 C90_270=0.56
Maximum s/h(1/4): C0_180=0.54 C90_270=0.81
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 79.06%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.939%



Equipment: GMS-1800
Temperature(°C): 25.0
Date: 2022/8/26
Humidity(%): 65.0%
Operator: New
Distance(m): 7.18

SOTEN G1067

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6984.242	.000	.000	.000%	.000%
1.0	6976.704	6.680	6.680	.186%	.186%
2.0	6944.945	19.982	26.662	.555%	.741%
3.0	6890.798	33.091	59.752	.919%	1.660%
4.0	6806.629	45.850	105.602	1.274%	2.933%
5.0	6689.541	58.060	163.662	1.613%	4.546%
6.0	6553.899	69.598	233.260	1.933%	6.479%
7.0	6400.349	80.407	313.666	2.234%	8.713%
8.0	6223.186	90.344	404.011	2.510%	11.223%
9.0	6032.334	99.324	503.335	2.759%	13.982%
10.0	5814.457	107.209	610.544	2.978%	16.960%
11.0	5581.086	113.865	724.409	3.163%	20.122%
12.0	5335.862	119.338	843.747	3.315%	23.437%
13.0	5082.811	123.643	967.390	3.435%	26.872%
14.0	4824.831	126.817	1094.207	3.523%	30.395%
15.0	4566.302	128.926	1223.133	3.581%	33.976%
16.0	4277.335	129.584	1352.717	3.600%	37.575%
17.0	4005.118	128.980	1481.697	3.583%	41.158%
18.0	3735.155	127.620	1609.317	3.545%	44.703%
19.0	3453.113	125.061	1734.378	3.474%	48.177%
20.0	3177.642	121.361	1855.740	3.371%	51.548%
21.0	2899.369	116.691	1972.430	3.241%	54.790%
22.0	2636.686	111.249	2083.680	3.090%	57.880%
23.0	2323.825	104.085	2187.765	2.891%	60.771%
24.0	2069.123	96.046	2283.810	2.668%	63.439%
25.0	1815.927	88.338	2372.148	2.454%	65.893%
26.0	1583.980	80.255	2452.403	2.229%	68.122%
27.0	1329.707	71.284	2523.687	1.980%	70.102%
28.0	1062.531	60.566	2584.253	1.682%	71.785%
29.0	887.633	51.022	2635.275	1.417%	73.202%
30.0	720.602	43.422	2678.697	1.206%	74.408%
31.0	580.080	36.196	2714.893	1.005%	75.414%
32.0	462.454	29.867	2744.761	.830%	76.243%
33.0	352.066	23.996	2768.757	.667%	76.910%
34.0	263.646	18.633	2787.390	.518%	77.428%
35.0	198.525	14.353	2801.743	.399%	77.826%
36.0	136.534	10.668	2812.412	.296%	78.123%
37.0	106.726	7.934	2820.345	.220%	78.343%

SOTEN G1067

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	62.554	5.650	2825.996	.157%	78.500%
39.0	44.851	3.666	2829.662	.102%	78.602%
40.0	33.513	2.733	2832.395	.076%	78.678%
41.0	30.227	2.270	2834.665	.063%	78.741%
42.0	27.193	2.086	2836.751	.058%	78.799%
43.0	13.774	1.518	2838.269	.042%	78.841%
44.0	10.182	.904	2839.173	.025%	78.866%
45.0	8.098	.703	2839.875	.020%	78.885%
46.0	6.893	.586	2840.461	.016%	78.902%
47.0	6.052	.515	2840.976	.014%	78.916%
48.0	5.289	.458	2841.435	.013%	78.929%
49.0	4.619	.407	2841.842	.011%	78.940%
50.0	4.110	.364	2842.206	.010%	78.950%
51.0	3.617	.327	2842.533	.009%	78.959%
52.0	3.195	.292	2842.825	.008%	78.967%
53.0	2.857	.263	2843.088	.007%	78.975%
54.0	2.551	.238	2843.326	.007%	78.981%
55.0	2.268	.215	2843.542	.006%	78.987%
56.0	2.033	.194	2843.736	.005%	78.993%
57.0	1.833	.177	2843.913	.005%	78.998%
58.0	1.652	.161	2844.074	.004%	79.002%
59.0	1.488	.147	2844.220	.004%	79.006%
60.0	1.346	.134	2844.354	.004%	79.010%
61.0	1.234	.123	2844.478	.003%	79.013%
62.0	1.108	.113	2844.590	.003%	79.016%
63.0	1.028	.104	2844.694	.003%	79.019%
64.0	.941	.097	2844.791	.003%	79.022%
65.0	.863	.089	2844.880	.002%	79.024%
66.0	.799	.083	2844.963	.002%	79.027%
67.0	.744	.078	2845.041	.002%	79.029%
68.0	.702	.073	2845.114	.002%	79.031%
69.0	.667	.070	2845.184	.002%	79.033%
70.0	.618	.066	2845.250	.002%	79.035%
71.0	.577	.062	2845.312	.002%	79.036%
72.0	.551	.059	2845.370	.002%	79.038%
73.0	.522	.056	2845.426	.002%	79.040%
74.0	.480	.053	2845.479	.001%	79.041%
75.0	.451	.049	2845.528	.001%	79.042%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	.432	.047	2845.575	.001%	79.044%
77.0	.409	.045	2845.620	.001%	79.045%
78.0	.396	.043	2845.663	.001%	79.046%
79.0	.354	.040	2845.703	.001%	79.047%
80.0	.338	.037	2845.741	.001%	79.048%
81.0	.325	.036	2845.777	.001%	79.049%
82.0	.325	.035	2845.812	.001%	79.050%
83.0	.329	.036	2845.848	.001%	79.051%
84.0	.293	.034	2845.882	.001%	79.052%
85.0	.312	.033	2845.915	.001%	79.053%
86.0	.319	.035	2845.949	.001%	79.054%
87.0	.316	.035	2845.984	.001%	79.055%
88.0	.312	.034	2846.018	.001%	79.056%
89.0	.312	.034	2846.052	.001%	79.057%
90.0	.312	.034	2846.086	.001%	79.058%

Zonal flux distribution table

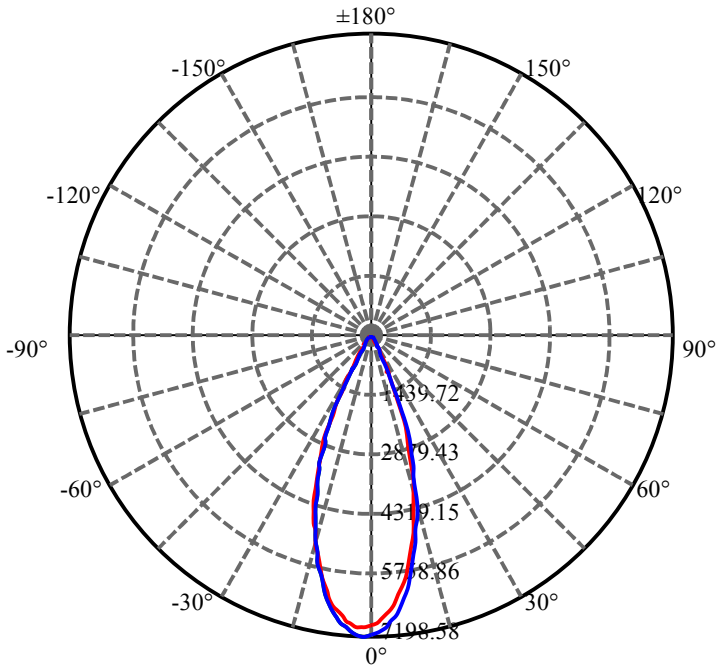
ZONAL LUMEN SUMMARY

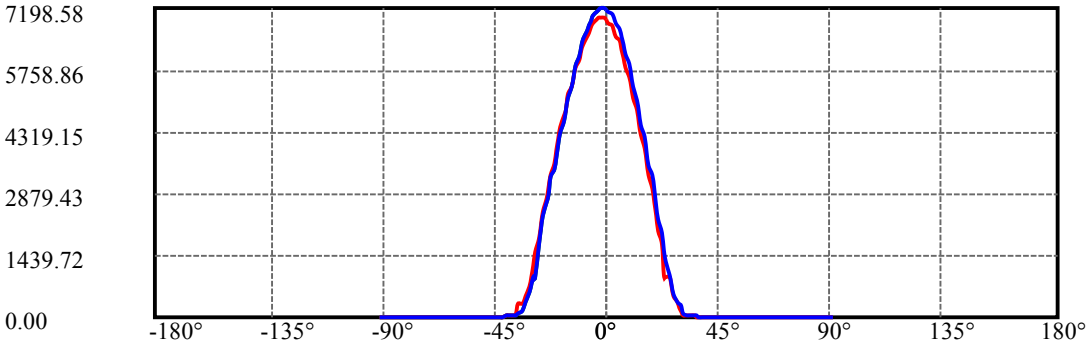
Zone	Lumens	%Lamp	%Fixt
0-30	2678.70	74.41%	94.12%
0-40	2832.40	78.68%	99.52%
0-60	2844.35	79.01%	99.94%
0-90	2846.05	79.06%	100.00%
0-120	2846.05	79.06%	100.00%
0-180	2846.09	79.06%	100.00%
60-90	1.83	0.05%	0.06%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-23.93	2276.87	63.25%	80.00%

ZONAL LUMEN SUMMARY

0-10	610.54
10-20	1245.20
20-30	822.96
30-40	153.70
40-50	9.81
50-60	2.15
60-70	0.90
70-80	0.49
80-90	0.31
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]





C270(Max):

C0/C180:

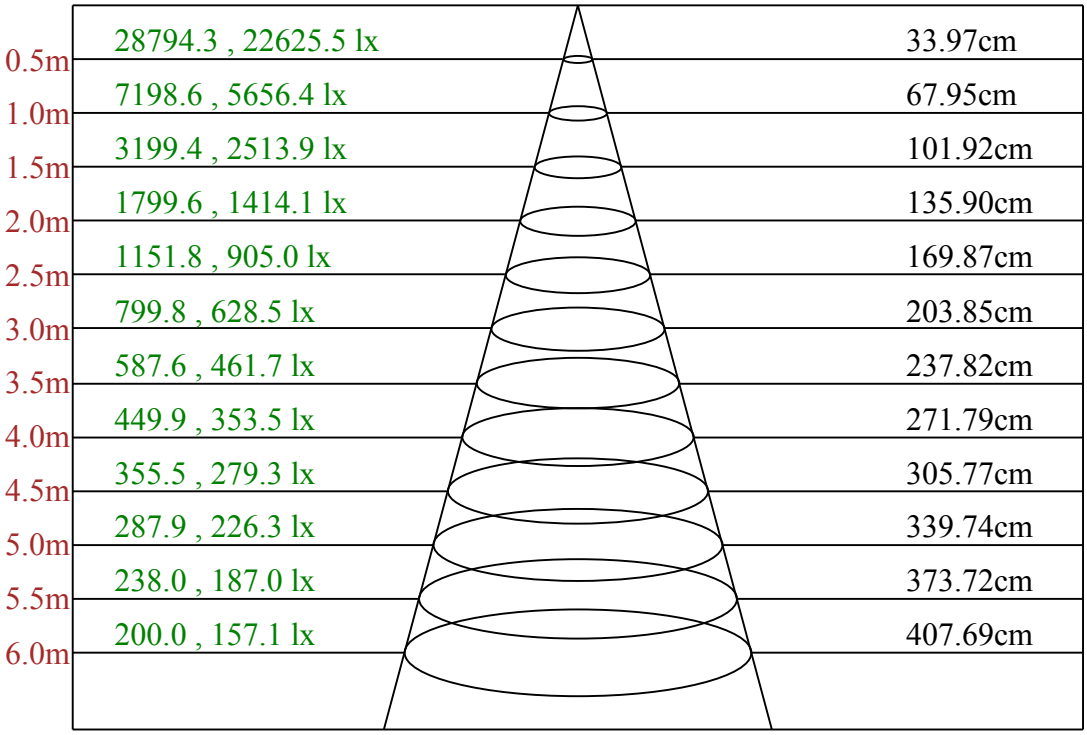
C90/C270:

Equipment: GMS-1800
Temperature(°C): 25.0

Date: 2022/8/26
Humidity(%): 65.0%

Operator: New
Distance(m): 7.18

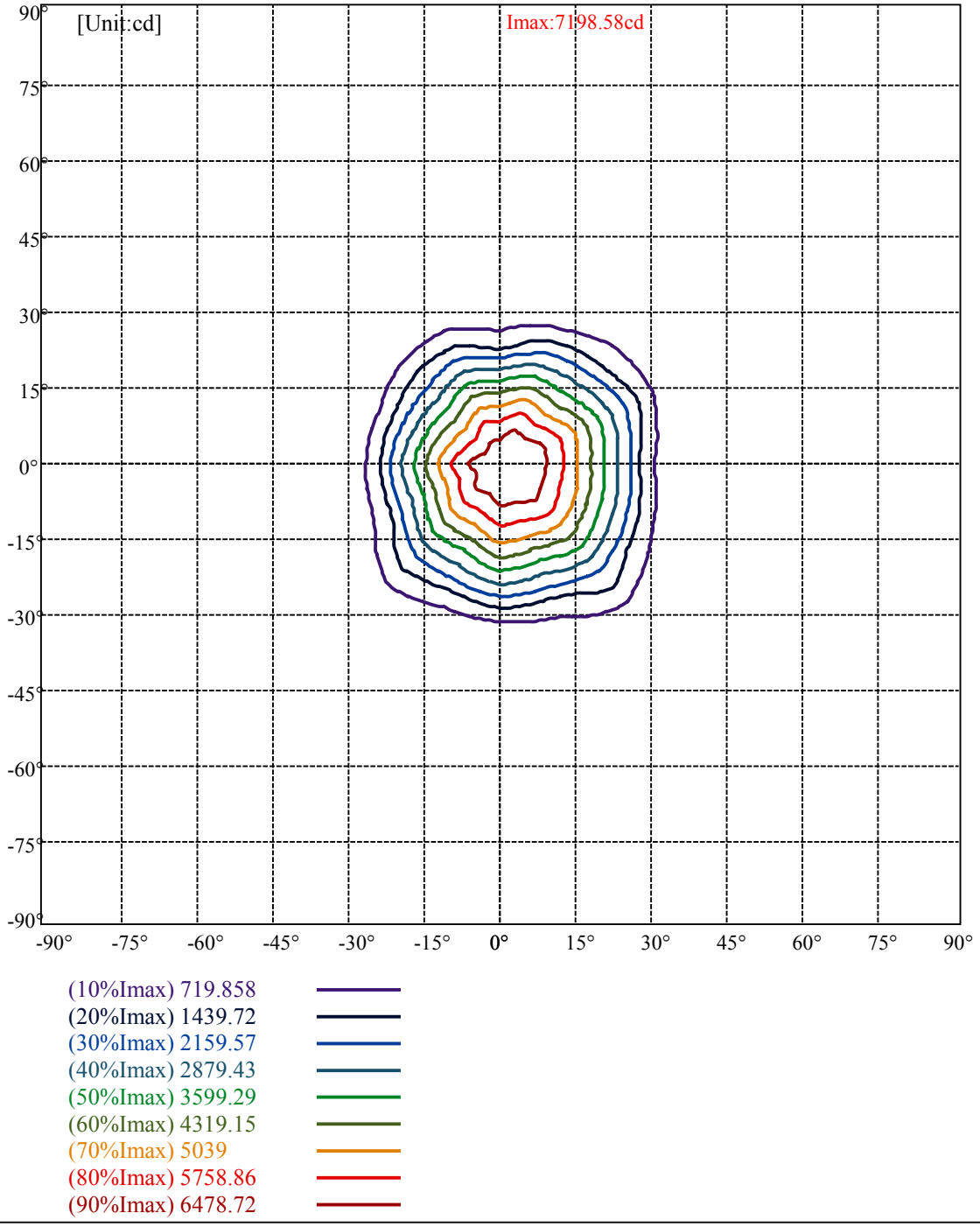
Lux distance Curve



Max , Ave

Beam angle of C270plane37.49

ISO-Intensity(V-H)

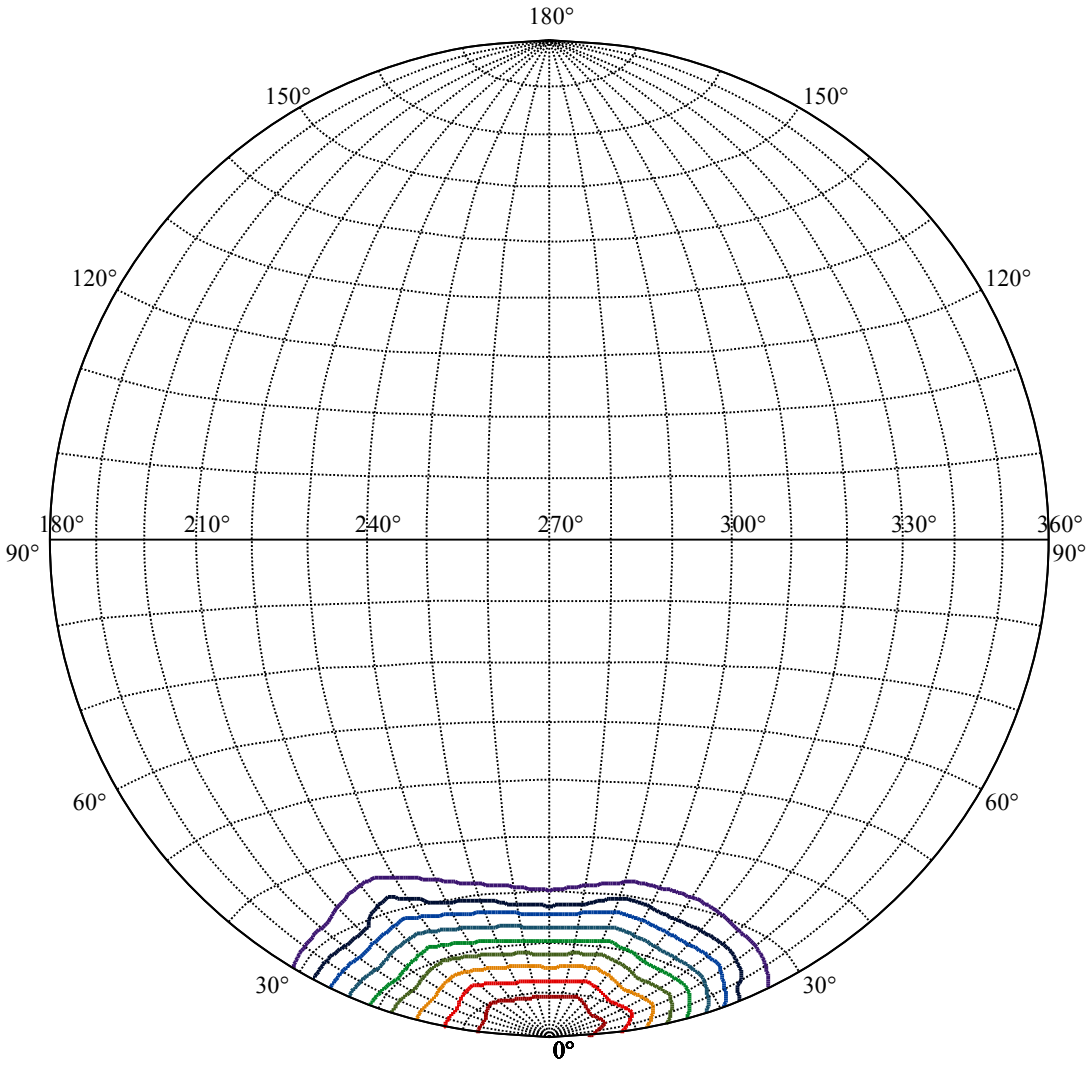


Equipment: GMS-1800
Temperature(°C): 25.0

Date: 2022/8/26
Humidity(%): 65.0%

Operator: New
Distance(m): 7.18

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:7198.58

(10%Imax) 719.858
(20%Imax) 1439.72
(30%Imax) 2159.57
(40%Imax) 2879.43
(50%Imax) 3599.29
(60%Imax) 4319.15
(70%Imax) 5039
(80%Imax) 5758.86
(90%Imax) 6478.72

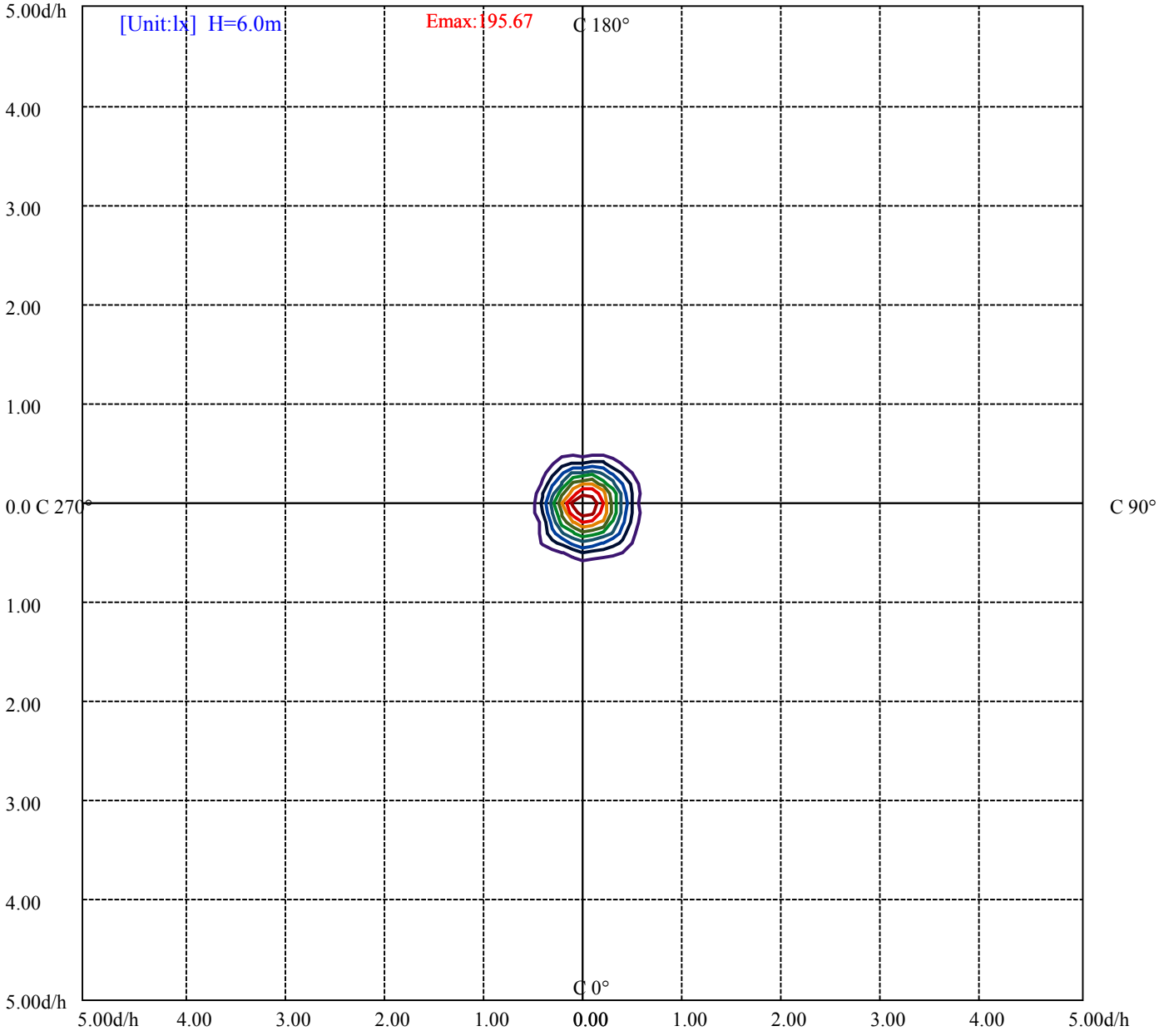
Equipment: GMS-1800
Temperature(°C): 25.0

Date: 2022/8/26
Humidity(%): 65.0%

Operator: New
Distance(m): 7.18

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ISO illuminance diagram



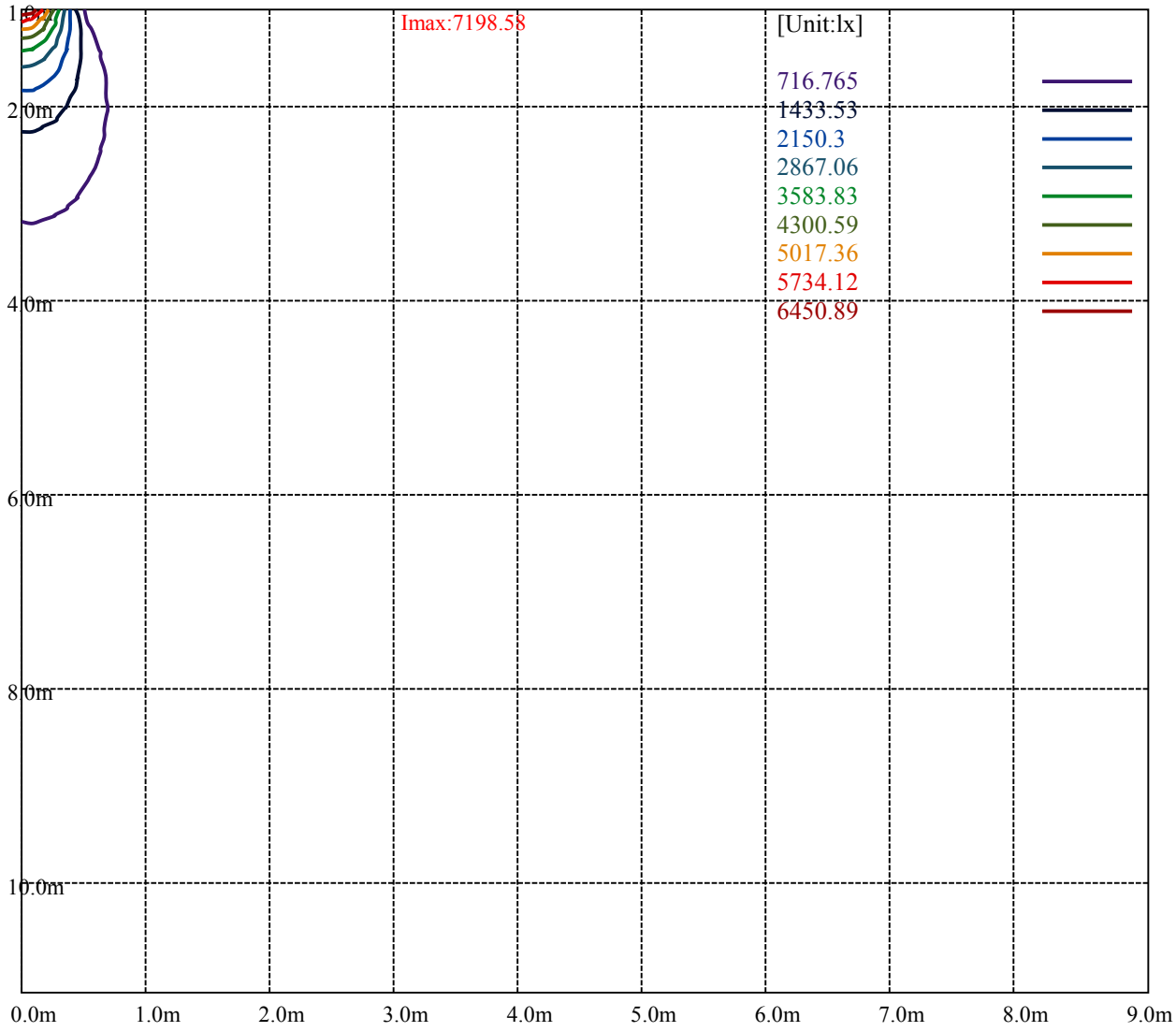
(10%Emax) 19.56653
(20%Emax) 39.13306
(30%Emax) 58.69972
(40%Emax) 78.26611
(50%Emax) 97.83278
(60%Emax) 117.3992
(70%Emax) 136.9658
(80%Emax) 156.5322
(90%Emax) 176.0989

Equipment: GMS-1800
Temperature(°C): 25.0

Date: 2022/8/26
Humidity(%): 65.0%

Operator: New
Distance(m): 7.18

Space ISO Lux diagram



Equipment: GMS-1800
Temperature(°C): 25.0

Date: 2022/8/26
Humidity(%): 65.0%

Operator: New
Distance(m): 7.18

SOTEN G1067

Luminance Limitting Curve(no luminous side)

Luminance Table

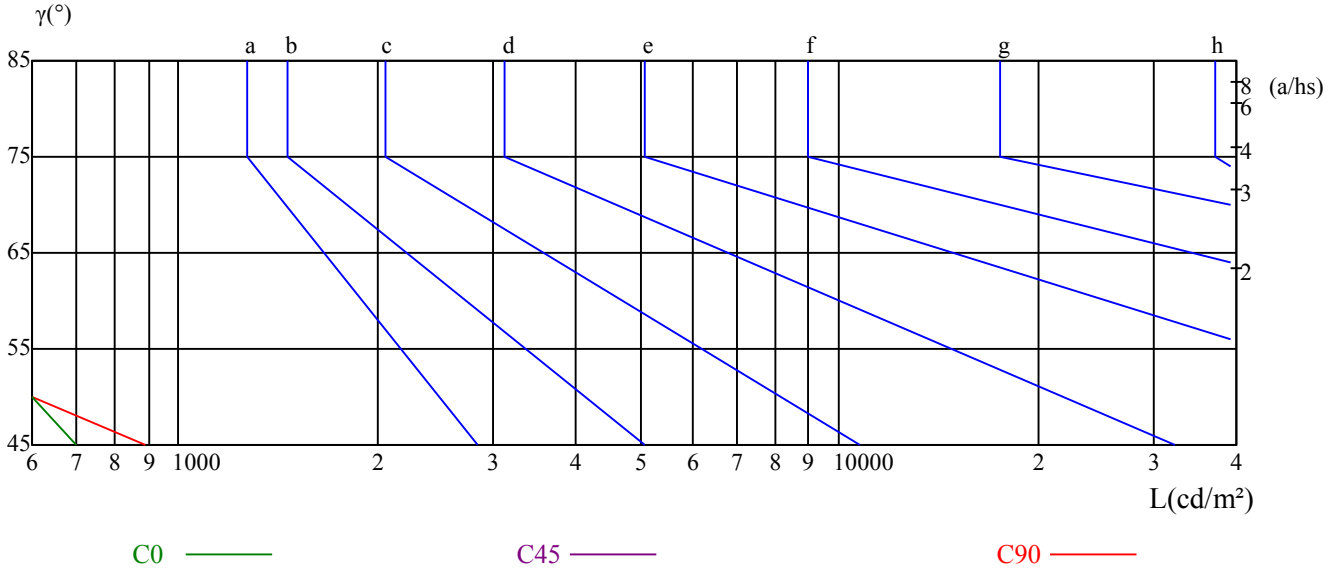
γ	45	50	55	60	65	70	75	80	85
C0	700	418	237	169	129	97	93	105	154
C45	390	238	157	114	94	90	84	92	127
C90	893	542	337	209	147	108	93	105	128

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
232	194	163	163	154	163	322	322	335

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

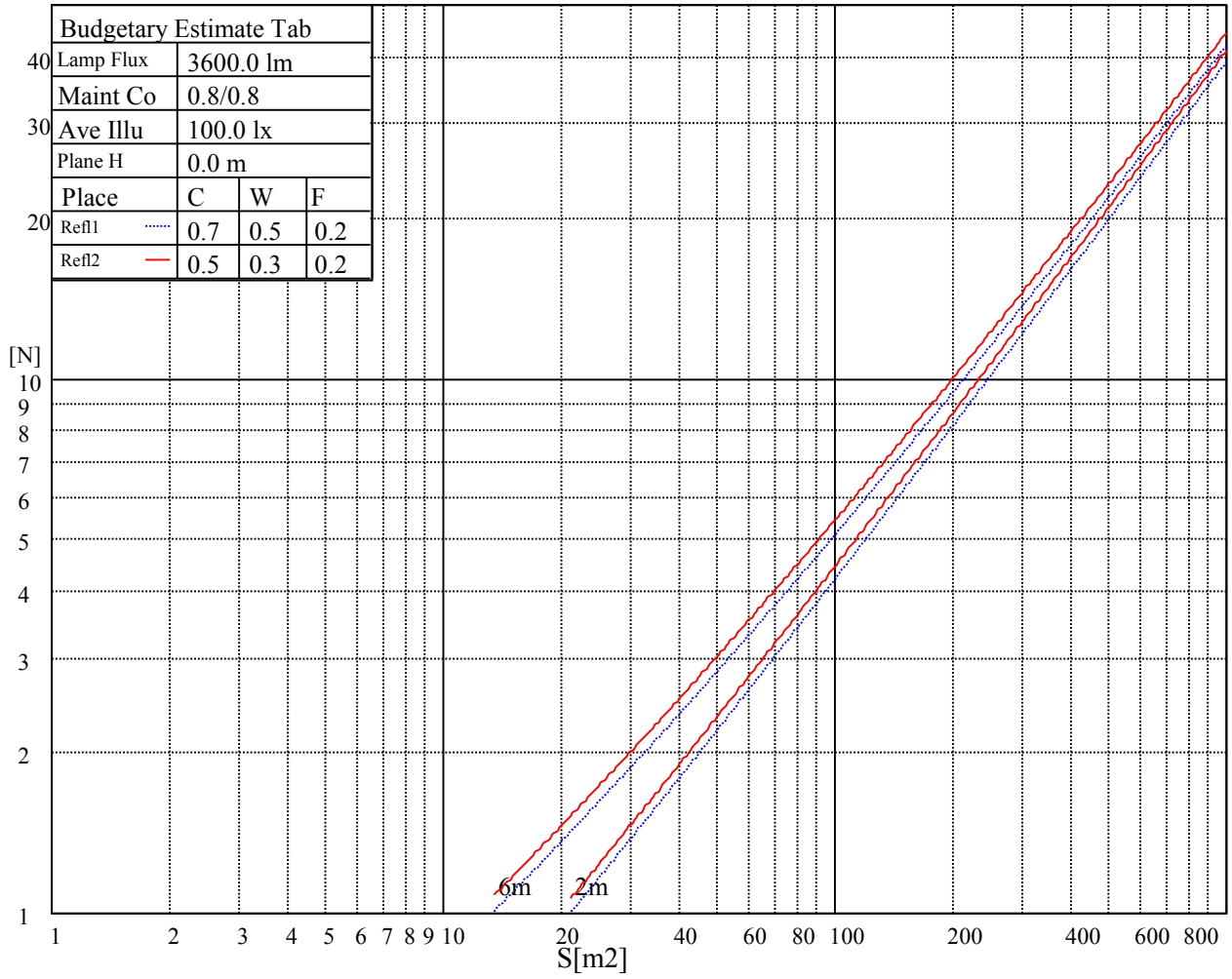
Luminance Limitting Curve



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	-1.9	-1.3	-1.7	-1.1	-0.9	6.8	7.5	7.0	7.6	7.8
	3H	-2.1	-1.5	-1.8	-1.2	-1.0	6.6	7.2	6.9	7.5	7.7
	4H	-2.3	-1.8	-1.9	-1.5	-1.1	6.4	6.9	6.8	7.2	7.5
	6H	-2.3	-1.7	-1.9	-1.4	-1.1	6.4	6.9	6.8	7.2	7.5
	8H	-2.3	-1.7	-1.9	-1.4	-1.1	6.4	6.9	6.8	7.2	7.5
	12H	-2.4	-2.1	-2.0	-1.7	-1.3	6.2	6.6	6.6	7.0	7.4
4H	2H	-2.3	-1.8	-1.9	-1.5	-1.2	6.4	6.9	6.8	7.2	7.5
	3H	-2.5	-2.1	-2.0	-1.7	-1.3	6.2	6.6	6.6	7.0	7.4
	4H	-2.4	-2.1	-2.0	-1.7	-1.3	6.2	6.6	6.6	7.0	7.4
	6H	-2.4	-2.1	-2.0	-1.7	-1.3	6.2	6.6	6.6	7.0	7.4
	8H	-2.7	-2.4	-2.2	-2.0	-1.5	6.0	6.2	6.5	6.7	7.2
	12H	-2.6	-2.4	-2.2	-2.0	-1.5	6.0	6.2	6.5	6.7	7.2
8H	4H	-2.7	-2.5	-2.2	-2.0	-1.5	6.0	6.2	6.5	6.7	7.2
	6H	-2.7	-2.4	-2.2	-2.0	-1.5	6.0	6.2	6.5	6.7	7.2
	8H	-2.6	-2.4	-2.1	-2.0	-1.5	6.0	6.2	6.5	6.7	7.2
	12H	-2.6	-2.4	-2.1	-1.9	-1.4	6.0	6.2	6.5	6.7	7.2
12H	4H	-2.7	-2.5	-2.2	-2.0	-1.5	6.0	6.2	6.5	6.7	7.2
	6H	-2.7	-2.4	-2.2	-2.0	-1.5	6.0	6.2	6.5	6.7	7.2
	8H	-2.6	-2.4	-2.1	-1.9	-1.4	6.0	6.2	6.5	6.7	7.2

Variation with the observer position at spacings:		
S = 1.0H	5.4/-13.2	6.4/-19.1
S = 1.5H	8.2/-13.9	9.2/-20.1
S = 2.0H	10.2/-13.5	11.2/-20.2
Standard tables:	BK0	BK0
Uncorrected UGR	-15.8	-7.2

Budgetary Estimate Table

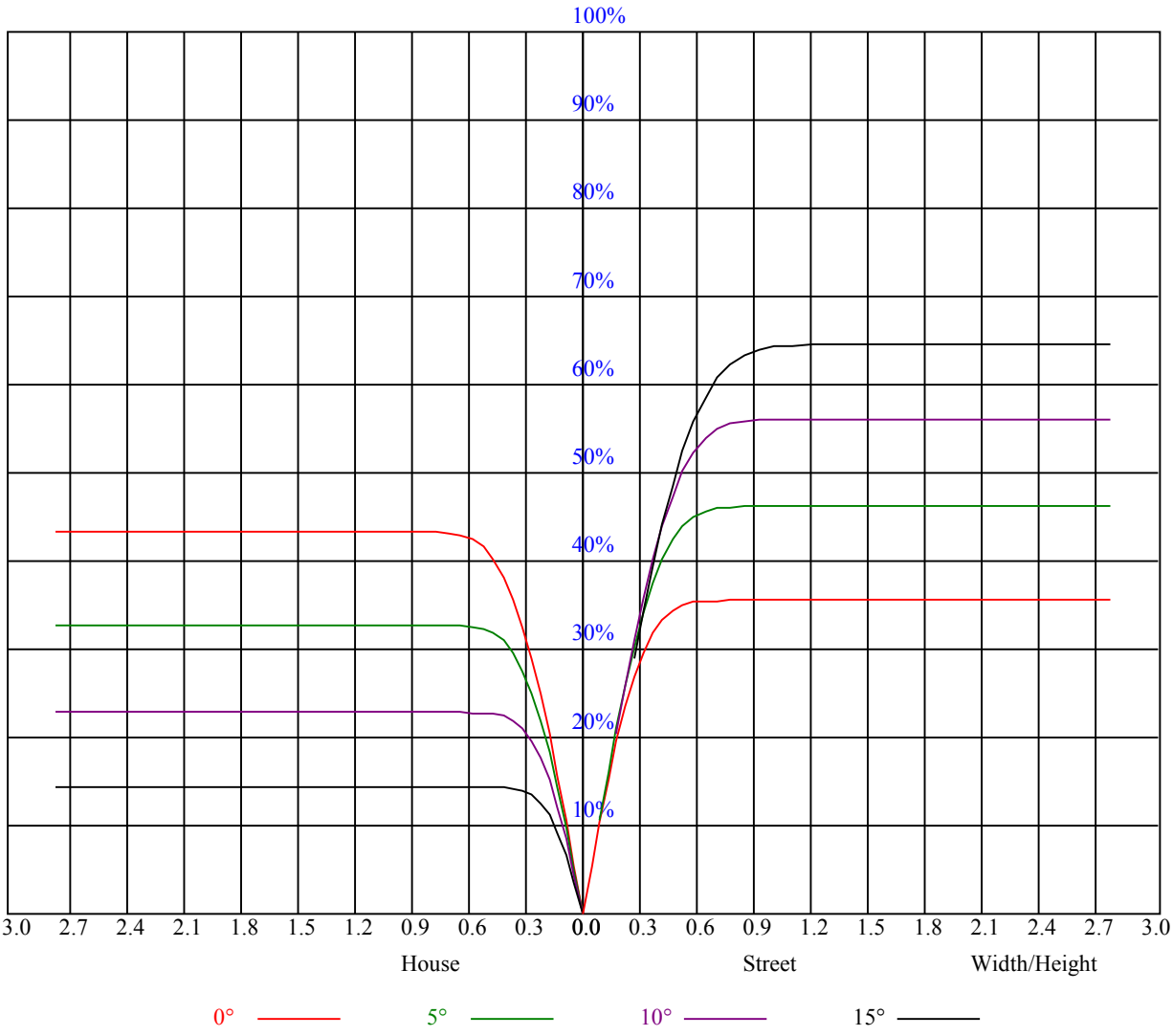


Equipment: GMS-1800 Date: 2022/8/26 Operator: New
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.18

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	0.94	0.94	0.94	0.92	0.92	0.92	0.88	0.88	0.88	0.84	0.84	0.84	0.81	0.81	0.81	0.79
1	0.89	0.87	0.86	0.87	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.78	0.77	0.76
2	0.84	0.81	0.79	0.83	0.80	0.78	0.80	0.78	0.77	0.78	0.76	0.75	0.76	0.75	0.74	0.72
3	0.80	0.77	0.74	0.79	0.76	0.74	0.77	0.74	0.72	0.75	0.73	0.71	0.73	0.72	0.70	0.69
4	0.76	0.73	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.72	0.70	0.68	0.71	0.69	0.67	0.66
5	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.69	0.67	0.65	0.68	0.66	0.64	0.63
6	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.66	0.64	0.62	0.61
7	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.64	0.62	0.60	0.64	0.61	0.59	0.58
8	0.64	0.60	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.62	0.59	0.57	0.61	0.59	0.57	0.56
9	0.62	0.58	0.55	0.61	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.55	0.59	0.57	0.55	0.54
10	0.59	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.58	0.55	0.53	0.57	0.55	0.53	0.52

Coefficient Utilization Curve



Equipment: GMS-1800
Temperature(°C): 25.0

Date: 2022/8/26
Humidity(%): 65.0%

Operator: New
Distance(m): 7.18

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	6915.12	6857.91	6779.06	6680.10	6549.71	6426.54	6213.17	6042.06	5831.79
22.5	6948.62	6888.32	6811.53	6719.27	6600.22	6457.97	6284.29	6084.84	5866.83
45.0	6831.63	6771.33	6606.40	6520.34	6344.08	6064.22	5933.83	5700.88	5452.98
67.5	6932.64	6863.06	6768.23	6651.76	6507.97	6321.91	6161.12	5895.18	5653.98
90.0	7167.65	7111.48	7045.51	6967.17	6858.94	6715.15	6531.67	6328.10	6115.76
112.5	7038.29	6980.05	6896.56	6778.54	6622.90	6430.66	6229.15	6101.33	5875.59
135.0	7043.96	7021.80	6995.52	6936.76	6851.73	6764.63	6596.10	6459.52	6256.98
157.5	6996.03	6983.15	6934.70	6856.36	6751.23	6625.47	6484.77	6326.04	6152.87
180.0	6915.12	6964.59	6983.66	6966.14	6914.60	6838.84	6739.37	6627.02	6510.54
202.5	6948.62	6988.30	6994.49	6967.69	6912.02	6838.33	6742.98	6638.36	6507.45
225.0	6831.63	6908.93	6969.75	7014.59	7031.08	7016.13	6965.11	6870.28	6760.50
247.5	6932.64	6992.42	7048.09	7052.21	7020.25	6947.59	6847.09	6737.31	6621.35
270.0	7167.65	7193.94	7198.58	7153.74	7101.17	7007.37	6907.90	6799.16	6668.25
292.5	7038.29	7083.13	7114.57	7121.27	7097.05	7031.08	6932.64	6819.77	6690.41
315.0	7043.96	7035.72	7011.49	6963.56	6887.29	6775.96	6636.30	6467.77	6277.59
337.5	6996.03	6983.15	6960.99	6903.26	6855.85	6770.81	6656.91	6507.97	6328.10
360.0	6915.12	6857.91	6779.06	6680.10	6549.71	6426.54	6213.17	6042.06	5831.79

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5603.99	5367.43	5102.01	4816.49	4521.69	4229.98	3932.61	3614.62	3306.42
22.5	5722.01	5465.87	5105.10	4944.82	4667.54	4386.15	4104.75	3823.35	3542.98
45.0	5184.99	4910.29	4624.77	4347.49	4077.95	3810.98	3537.83	3253.85	2968.85
67.5	5452.47	5128.29	4903.59	4618.07	4331.00	4036.20	3731.61	3432.69	3139.44
90.0	5884.36	5624.09	5347.85	5057.69	4764.43	4479.94	4182.05	3861.49	3528.04
112.5	5629.24	5361.76	5079.85	4793.30	4506.74	4218.13	3917.15	3604.83	3302.82
135.0	6013.20	5837.97	5596.77	5349.91	5092.73	4822.67	4549.52	4284.62	4027.44
157.5	5956.51	5737.99	5501.94	5251.47	4998.93	4744.85	4478.40	4208.34	3935.70
180.0	6368.81	6200.80	6001.86	5792.10	5573.58	5346.30	5202.51	4849.99	4692.80
202.5	6343.04	6159.57	5960.63	5740.57	5555.54	5312.80	5072.12	4820.10	4547.46
225.0	6629.08	6480.14	6324.49	6155.96	5964.76	5749.33	5508.64	5255.08	4998.93
247.5	6482.71	6318.82	6196.68	5891.57	5659.13	5514.31	5269.51	5021.09	4750.00
270.0	6493.54	6290.99	6063.71	5843.64	5609.14	5358.15	5094.79	4819.06	4542.82
292.5	6550.23	6379.12	6183.79	5966.30	5728.71	5483.91	5229.82	5020.06	4694.34
315.0	6068.35	5844.16	5602.96	5346.30	5083.46	4807.73	4643.32	4252.15	4086.71
337.5	6134.83	5924.04	5701.40	5458.14	5189.62	4895.86	4606.21	4316.05	4017.13
360.0	5603.99	5367.43	5102.01	4816.49	4521.69	4229.98	3932.61	3614.62	3306.42

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3014.20	2695.18	2358.64	2025.70	1707.20	1004.32	952.99	952.99	707.57
22.5	3254.37	2968.85	2701.88	2446.77	2172.07	1884.49	1598.45	1328.91	1077.40
45.0	2692.09	2433.37	2202.99	1978.29	1846.35	1533.51	1410.34	947.27	947.27
67.5	2869.38	2590.04	2298.85	1997.87	1679.88	1369.62	1092.86	860.43	660.46
90.0	3290.45	2988.95	2614.27	2281.33	1987.56	1547.43	1284.07	1002.67	765.60
112.5	3018.84	2759.09	2477.18	2190.11	1886.55	1576.81	1023.49	1023.49	857.23
135.0	3756.87	3487.84	3220.87	2943.08	2672.51	2411.21	2178.26	1971.59	1768.53
157.5	3667.71	3388.88	3225.51	2969.36	2723.53	2485.94	2224.64	1944.27	1659.78
180.0	4428.41	4160.41	3881.07	3595.04	3323.43	3054.92	2772.49	2463.78	2138.06
202.5	4275.85	3992.91	3712.54	3427.54	3153.87	2906.49	2661.68	2403.48	2124.14
225.0	4737.12	4533.03	4222.25	3963.53	3752.74	3500.21	3245.09	2983.80	2723.01
247.5	4478.91	4207.31	3936.22	3666.67	3397.13	3138.41	2881.23	2627.15	2371.52
270.0	4278.43	4007.86	3722.34	3431.66	3265.19	2861.65	2681.78	2373.07	2042.20
292.5	4476.34	4202.15	3878.50	3659.46	3388.88	3115.22	2860.10	2609.63	2372.04
315.0	3816.65	3437.33	3280.14	3012.66	2745.69	2498.82	2260.20	2007.15	1752.04
337.5	3706.87	3396.62	3109.03	2800.84	2484.39	2292.15	1978.29	1555.16	1376.84
360.0	3014.20	2695.18	2358.64	2025.70	1707.20	1004.32	952.99	952.99	707.57

Intensity data(cd)

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	503.58	348.65	219.09	120.39	64.16	45.25	38.76	29.94	25.36
22.5	858.37	741.89	518.22	434.21	318.25	275.47	156.52	46.33	29.02
45.0	748.33	589.96	467.91	363.19	258.88	165.90	92.97	46.75	22.37
67.5	473.38	305.36	305.36	276.50	78.29	46.75	36.64	30.67	22.63
90.0	549.65	357.93	324.95	263.62	78.34	50.46	42.83	34.07	27.57
112.5	666.49	484.97	321.55	197.49	118.90	73.96	45.15	36.08	30.30
135.0	1585.05	1409.82	1297.47	1006.80	881.04	688.81	542.95	432.15	332.16
157.5	1249.54	952.42	908.62	710.61	538.98	398.23	277.79	167.34	97.30
180.0	1816.46	1505.68	1202.64	929.49	694.99	495.54	345.56	293.51	293.51
202.5	1835.01	1558.77	967.83	967.83	923.05	728.28	550.53	405.30	288.10
225.0	2473.05	2237.01	2021.58	1839.65	1676.79	1513.42	1339.22	1145.95	936.70
247.5	2103.01	1817.49	1513.42	967.16	967.16	800.13	614.59	438.95	282.63
270.0	1686.07	957.99	957.99	770.39	561.25	369.79	222.44	132.20	80.30
292.5	2122.08	1862.84	1590.72	1310.87	1051.63	838.27	670.77	521.82	369.27
315.0	1505.17	1014.94	943.92	910.93	749.78	638.20	489.87	397.82	295.93
337.5	1100.08	854.76	640.88	460.49	319.79	270.83	166.47	59.47	43.24
360.0	503.58	348.65	219.09	120.39	64.16	45.25	38.76	29.94	25.36

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	21.08	18.09	15.87	13.50	11.75	10.31	8.86	8.04	6.91
22.5	24.17	18.09	14.95	12.11	10.15	8.76	7.37	6.39	5.57
45.0	12.42	10.15	8.61	7.78	6.24	5.41	5.00	4.43	3.92
67.5	19.12	15.77	13.71	11.85	10.10	8.92	7.73	6.75	5.98
90.0	25.20	19.79	17.47	16.13	13.86	12.37	10.98	9.59	8.56
112.5	22.52	18.91	15.31	13.19	11.34	9.48	8.35	7.73	6.29
135.0	275.47	275.47	82.72	39.43	18.55	10.87	9.07	7.68	6.70
157.5	40.46	30.61	23.09	18.61	15.10	12.73	10.93	9.17	7.94
180.0	69.16	41.33	34.12	26.80	22.99	19.38	16.96	14.74	12.73
202.5	182.19	96.74	49.37	33.04	25.61	20.51	17.11	14.12	12.27
225.0	750.14	591.40	460.49	361.02	271.35	271.35	255.37	67.15	30.82
247.5	168.68	99.62	59.94	40.61	32.73	23.04	19.48	15.82	13.71
270.0	51.69	42.73	30.72	27.83	23.30	18.76	17.52	15.00	13.19
292.5	283.20	283.20	92.25	51.28	31.18	24.58	17.63	14.69	11.80
315.0	202.03	117.20	57.41	24.58	14.48	11.91	9.84	7.99	6.85
337.5	37.00	28.50	24.84	19.84	17.47	15.26	12.88	11.08	9.69
360.0	21.08	18.09	15.87	13.50	11.75	10.31	8.86	8.04	6.91

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	5.98	5.36	4.84	4.23	3.66	3.30	2.89	2.53	2.27
22.5	5.10	4.17	3.71	3.40	2.99	2.73	2.37	2.11	1.91
45.0	3.45	3.04	2.73	2.47	2.16	1.96	1.80	1.60	1.44
67.5	5.46	4.64	4.23	3.87	3.25	2.94	2.63	2.37	2.06
90.0	7.63	6.75	6.03	5.36	4.69	4.28	3.87	3.35	2.94
112.5	5.77	5.15	4.48	3.92	3.45	3.09	2.73	2.42	2.11
135.0	5.67	5.10	4.38	3.81	3.45	3.04	2.63	2.37	2.11
157.5	6.91	5.88	5.10	4.59	3.92	3.50	3.14	2.78	2.42
180.0	11.29	9.84	8.50	7.63	6.75	5.88	5.21	4.64	4.23
202.5	10.41	8.81	7.73	6.70	5.98	5.05	4.43	3.97	3.56
225.0	14.12	10.26	8.61	7.22	6.03	5.26	4.59	4.02	3.50
247.5	11.75	9.95	9.23	7.58	6.55	6.08	5.10	4.48	4.17
270.0	11.75	10.31	9.12	8.14	7.16	6.44	5.82	5.10	4.54
292.5	10.05	8.66	7.42	6.44	5.67	4.95	4.38	3.87	3.40
315.0	5.88	5.21	4.48	3.92	3.50	3.14	2.73	2.42	2.27
337.5	8.35	7.16	6.24	5.36	4.69	4.12	3.56	3.09	2.78
360.0	5.98	5.36	4.84	4.23	3.66	3.30	2.89	2.53	2.27

Intensity data(cd)

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	2.01	1.70	1.55	1.44	1.29	1.03	1.08	0.98	0.88
22.5	1.75	1.55	1.39	1.29	1.19	1.08	0.93	0.88	0.88
45.0	1.29	1.19	1.08	0.98	0.93	0.88	0.77	0.72	0.67
67.5	1.86	1.65	1.49	1.39	1.19	1.03	0.98	0.93	0.82
90.0	2.68	2.42	2.11	1.86	1.70	1.49	1.34	1.24	1.08
112.5	1.91	1.75	1.60	1.39	1.29	1.24	1.08	1.03	0.88
135.0	1.91	1.70	1.49	1.39	1.29	1.19	0.98	0.93	0.93
157.5	2.11	1.96	1.75	1.60	1.39	1.29	1.13	1.03	1.03
180.0	3.76	3.20	2.94	2.58	2.32	2.06	1.86	1.65	1.44
202.5	3.09	2.68	2.37	2.22	1.91	1.70	1.55	1.44	1.24
225.0	3.14	2.78	2.47	2.22	2.01	1.80	1.65	1.44	1.29
247.5	3.50	3.25	2.89	2.58	2.32	2.01	1.86	1.70	1.49
270.0	4.12	3.71	3.25	2.89	2.68	2.42	2.22	2.01	1.70
292.5	3.14	2.83	2.53	2.22	2.01	1.86	1.65	1.49	1.39
315.0	2.06	1.80	1.70	1.55	1.39	1.29	1.24	1.08	0.98
337.5	2.47	2.11	1.91	1.75	1.55	1.44	1.24	1.19	1.03
360.0	2.01	1.70	1.55	1.44	1.29	1.03	1.08	0.98	0.88

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	0.72	0.72	0.72	0.62	0.62	0.62	0.57	0.46	0.46
22.5	0.82	0.72	0.67	0.67	0.62	0.62	0.62	0.52	0.52
45.0	0.67	0.62	0.57	0.57	0.52	0.52	0.52	0.46	0.41
67.5	0.72	0.67	0.67	0.62	0.57	0.57	0.52	0.52	0.52
90.0	1.03	0.98	0.82	0.77	0.67	0.67	0.67	0.52	0.52
112.5	0.88	0.82	0.67	0.67	0.62	0.57	0.62	0.57	0.52
135.0	0.88	0.72	0.72	0.67	0.67	0.62	0.57	0.57	0.52
157.5	0.88	0.82	0.82	0.72	0.67	0.62	0.62	0.57	0.46
180.0	1.34	1.19	1.08	0.98	0.88	0.82	0.77	0.67	0.62
202.5	1.13	1.03	0.98	0.88	0.77	0.77	0.72	0.72	0.62
225.0	1.24	1.13	0.98	0.93	0.88	0.82	0.72	0.72	0.67
247.5	1.39	1.24	1.13	1.03	0.98	0.88	0.77	0.72	0.72
270.0	1.60	1.44	1.34	1.24	1.08	0.98	0.98	0.93	0.77
292.5	1.24	1.13	1.03	0.98	0.98	0.82	0.77	0.77	0.72
315.0	0.93	0.93	0.77	0.72	0.67	0.67	0.62	0.57	0.57
337.5	0.98	0.88	0.82	0.72	0.72	0.67	0.62	0.62	0.62
360.0	0.72	0.72	0.72	0.62	0.62	0.62	0.57	0.46	0.46

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	0.46	0.41	0.36	0.36	0.36	0.31	0.31	0.31	0.31
22.5	0.46	0.52	0.46	0.41	0.36	0.41	0.41	0.36	0.31
45.0	0.41	0.41	0.36	0.36	0.36	0.36	0.31	0.26	0.31
67.5	0.52	0.41	0.36	0.36	0.36	0.36	0.31	0.31	0.36
90.0	0.52	0.46	0.41	0.36	0.41	0.41	0.31	0.31	0.31
112.5	0.41	0.46	0.41	0.36	0.36	0.31	0.36	0.31	0.31
135.0	0.52	0.52	0.46	0.41	0.41	0.41	0.41	0.36	0.31
157.5	0.52	0.46	0.41	0.36	0.41	0.36	0.36	0.31	0.26
180.0	0.62	0.57	0.52	0.52	0.46	0.41	0.41	0.36	0.36
202.5	0.62	0.57	0.52	0.52	0.41	0.46	0.46	0.36	0.31
225.0	0.62	0.57	0.57	0.62	0.52	0.52	0.52	0.46	0.46
247.5	0.67	0.62	0.62	0.57	0.52	0.46	0.46	0.41	0.36
270.0	0.72	0.72	0.67	0.57	0.52	0.52	0.46	0.41	0.36
292.5	0.62	0.62	0.57	0.52	0.57	0.46	0.46	0.41	0.41
315.0	0.57	0.52	0.52	0.46	0.46	0.41	0.41	0.36	0.31
337.5	0.57	0.52	0.46	0.46	0.41	0.36	0.36	0.36	0.36
360.0	0.46	0.41	0.36	0.36	0.36	0.31	0.31	0.31	0.31

Intensity data(cd)

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.31	0.31	0.31	0.26	0.31	0.36	0.36	0.36	0.36
22.5	0.31	0.36	0.36	0.31	0.36	0.36	0.36	0.36	0.31
45.0	0.36	0.36	0.31	0.31	0.31	0.36	0.31	0.31	0.31
67.5	0.26	0.26	0.36	0.31	0.31	0.31	0.31	0.31	0.31
90.0	0.31	0.31	0.36	0.31	0.26	0.31	0.36	0.31	0.31
112.5	0.31	0.36	0.31	0.26	0.31	0.31	0.36	0.31	0.31
135.0	0.31	0.31	0.31	0.31	0.31	0.31	0.26	0.31	0.31
157.5	0.31	0.31	0.26	0.21	0.31	0.31	0.31	0.31	0.31
180.0	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
202.5	0.31	0.26	0.31	0.26	0.31	0.26	0.26	0.26	0.31
225.0	0.41	0.36	0.36	0.31	0.31	0.31	0.26	0.26	0.26
247.5	0.36	0.31	0.31	0.26	0.26	0.26	0.26	0.26	0.26
270.0	0.36	0.36	0.36	0.31	0.36	0.36	0.36	0.31	0.31
292.5	0.36	0.41	0.36	0.36	0.31	0.31	0.36	0.36	0.31
315.0	0.31	0.31	0.31	0.31	0.36	0.31	0.31	0.36	0.36
337.5	0.31	0.31	0.36	0.31	0.31	0.36	0.31	0.31	0.36
360.0	0.31	0.31	0.31	0.26	0.31	0.36	0.36	0.36	0.36

C/γ(°)	90.0
0.0	0.36
22.5	0.36
45.0	0.36
67.5	0.36
90.0	0.31
112.5	0.31
135.0	0.26
157.5	0.26
180.0	0.31
202.5	0.26
225.0	0.26
247.5	0.26
270.0	0.36
292.5	0.31
315.0	0.36
337.5	0.31
360.0	0.36