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SOTEN

LumCAT: G1067
Luminaire: 1-0804-S 55*55°
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): 28.8700
PF: 0.9510
Ballast type: LC 30/500/54 FLXC SR SNC2
Width(mm): 105
Height(mm): 10

Photometric Results

Lumens(lm): 3052.33
Efficiency(%): 85.45%
Lumens(lm)/Power(W): 105.73
Central intensity(cd): 4117.116
Maximum intensity(cd): 4147.524
Angle of maximum intensity: C=270.0 γ=8.0
Beam Angle(50%Imax): [C0/180]Total=52.6
[C90/270]Total=53.3
Field angle(10%Imax): [C0/180]Total=67.9
[C90/270]Total=67.3
Maximum s/h(1/2): C0_180=0.82 C90_270=0.84
Maximum s/h(1/4): C0_180=0.71 C90_270=1.20
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.45%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.950%



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	4075.435	.000	.000	.000%	.000%
1.0	4078.302	3.901	3.901	.109%	.109%
2.0	4081.749	11.712	15.613	.328%	.437%
3.0	4084.776	19.532	35.145	.547%	.984%
4.0	4085.452	27.348	62.494	.766%	1.750%
5.0	4082.715	35.139	97.633	.984%	2.733%
6.0	4074.919	42.871	140.503	1.200%	3.933%
7.0	4063.098	50.513	191.016	1.414%	5.348%
8.0	4052.629	58.083	249.098	1.626%	6.974%
9.0	4037.104	65.563	314.661	1.835%	8.809%
10.0	4018.453	72.900	387.561	2.041%	10.850%
11.0	3995.777	80.079	467.640	2.242%	13.092%
12.0	3964.016	87.012	554.652	2.436%	15.528%
13.0	3924.944	93.622	648.274	2.621%	18.149%
14.0	3879.719	99.899	748.173	2.797%	20.945%
15.0	3822.963	105.746	853.919	2.960%	23.906%
16.0	3752.903	111.008	964.926	3.108%	27.014%
17.0	3671.409	115.617	1080.543	3.237%	30.250%
18.0	3579.768	119.556	1200.099	3.347%	33.597%
19.0	3476.821	122.770	1322.869	3.437%	37.034%
20.0	3360.441	125.141	1448.010	3.503%	40.538%
21.0	3237.909	126.702	1574.711	3.547%	44.085%
22.0	3106.456	127.493	1702.204	3.569%	47.654%
23.0	2948.910	127.058	1829.262	3.557%	51.211%
24.0	2788.433	125.439	1954.701	3.512%	54.723%
25.0	2613.107	122.819	2077.520	3.438%	58.161%
26.0	2417.005	118.736	2196.257	3.324%	61.485%
27.0	2194.116	112.812	2309.069	3.158%	64.644%
28.0	1996.242	106.091	2415.160	2.970%	67.614%
29.0	1763.674	98.370	2513.530	2.754%	70.368%
30.0	1557.486	89.671	2603.200	2.510%	72.878%
31.0	1321.168	80.109	2683.309	2.243%	75.121%
32.0	1134.761	70.359	2753.668	1.970%	77.090%
33.0	940.424	61.136	2814.804	1.712%	78.802%
34.0	751.438	51.201	2866.005	1.433%	80.235%
35.0	622.866	42.681	2908.686	1.195%	81.430%
36.0	499.036	35.722	2944.407	1.000%	82.430%
37.0	379.107	28.640	2973.048	.802%	83.232%

SOTEN G1067

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	273.873	21.796	2994.843	.610%	83.842%
39.0	198.976	16.140	3010.983	.452%	84.294%
40.0	137.355	11.730	3022.713	.328%	84.622%
41.0	101.440	8.503	3031.216	.238%	84.860%
42.0	54.721	5.674	3036.890	.159%	85.019%
43.0	39.791	3.501	3040.391	.098%	85.117%
44.0	27.905	2.555	3042.946	.072%	85.189%
45.0	25.982	2.071	3045.017	.058%	85.247%
46.0	12.988	1.524	3046.541	.043%	85.289%
47.0	8.465	.853	3047.394	.024%	85.313%
48.0	5.856	.579	3047.973	.016%	85.330%
49.0	4.529	.426	3048.399	.012%	85.342%
50.0	3.952	.354	3048.753	.010%	85.351%
51.0	3.427	.312	3049.065	.009%	85.360%
52.0	3.067	.279	3049.344	.008%	85.368%
53.0	2.693	.251	3049.594	.007%	85.375%
54.0	2.406	.225	3049.819	.006%	85.381%
55.0	2.171	.204	3050.023	.006%	85.387%
56.0	1.939	.186	3050.209	.005%	85.392%
57.0	1.743	.168	3050.377	.005%	85.397%
58.0	1.572	.153	3050.531	.004%	85.401%
59.0	1.417	.140	3050.670	.004%	85.405%
60.0	1.263	.127	3050.797	.004%	85.409%
61.0	1.156	.115	3050.913	.003%	85.412%
62.0	1.047	.106	3051.019	.003%	85.415%
63.0	.934	.096	3051.115	.003%	85.418%
64.0	.844	.087	3051.202	.002%	85.420%
65.0	.760	.079	3051.282	.002%	85.422%
66.0	.689	.072	3051.354	.002%	85.424%
67.0	.635	.067	3051.421	.002%	85.426%
68.0	.573	.061	3051.482	.002%	85.428%
69.0	.512	.055	3051.537	.002%	85.429%
70.0	.483	.051	3051.588	.001%	85.431%
71.0	.464	.049	3051.637	.001%	85.432%
72.0	.409	.045	3051.683	.001%	85.433%
73.0	.393	.042	3051.725	.001%	85.435%
74.0	.377	.040	3051.765	.001%	85.436%
75.0	.348	.038	3051.803	.001%	85.437%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	.341	.037	3051.840	.001%	85.438%
77.0	.338	.036	3051.876	.001%	85.439%
78.0	.332	.036	3051.912	.001%	85.440%
79.0	.325	.035	3051.948	.001%	85.441%
80.0	.309	.034	3051.982	.001%	85.442%
81.0	.309	.033	3052.015	.001%	85.443%
82.0	.309	.034	3052.049	.001%	85.444%
83.0	.309	.034	3052.082	.001%	85.445%
84.0	.312	.034	3052.116	.001%	85.446%
85.0	.335	.035	3052.152	.001%	85.447%
86.0	.325	.036	3052.188	.001%	85.448%
87.0	.325	.036	3052.223	.001%	85.449%
88.0	.338	.036	3052.260	.001%	85.450%
89.0	.332	.037	3052.296	.001%	85.451%
90.0	.338	.037	3052.333	.001%	85.452%

Zonal flux distribution table

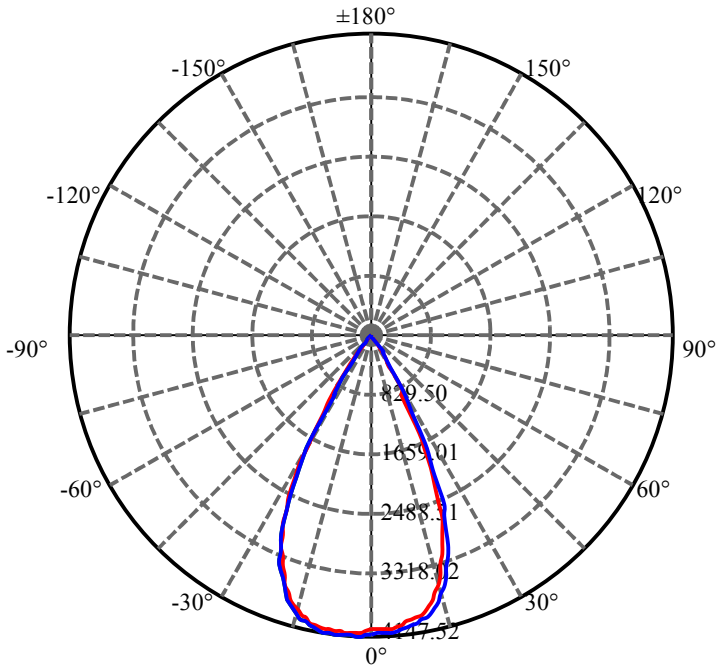
ZONAL LUMEN SUMMARY

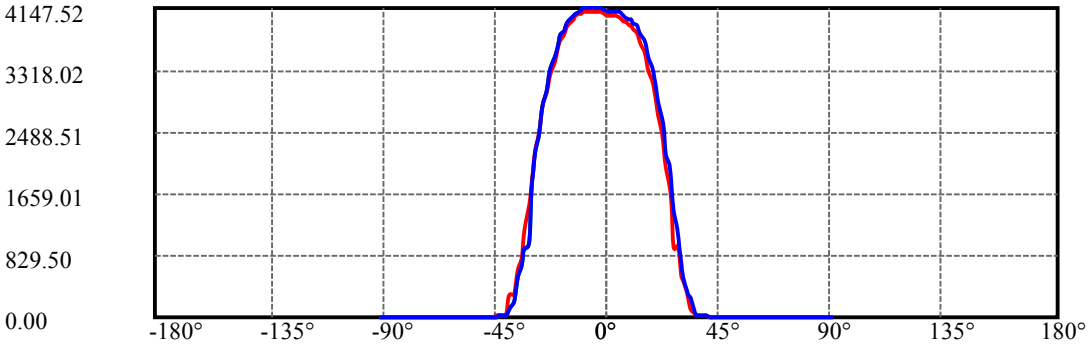
Zone	Lumens	%Lamp	%Fixt
0-30	2603.20	72.31%	85.29%
0-40	3022.71	83.96%	99.03%
0-60	3050.80	84.74%	99.95%
0-90	3052.30	84.79%	100.00%
0-120	3052.30	84.79%	100.00%
0-180	3052.33	84.79%	100.00%
60-90	1.63	0.05%	0.05%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.27	2441.87	67.83%	80.00%

ZONAL LUMEN SUMMARY

0-10	387.56
10-20	1060.45
20-30	1155.19
30-40	419.51
40-50	26.04
50-60	2.04
60-70	0.79
70-80	0.39
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:

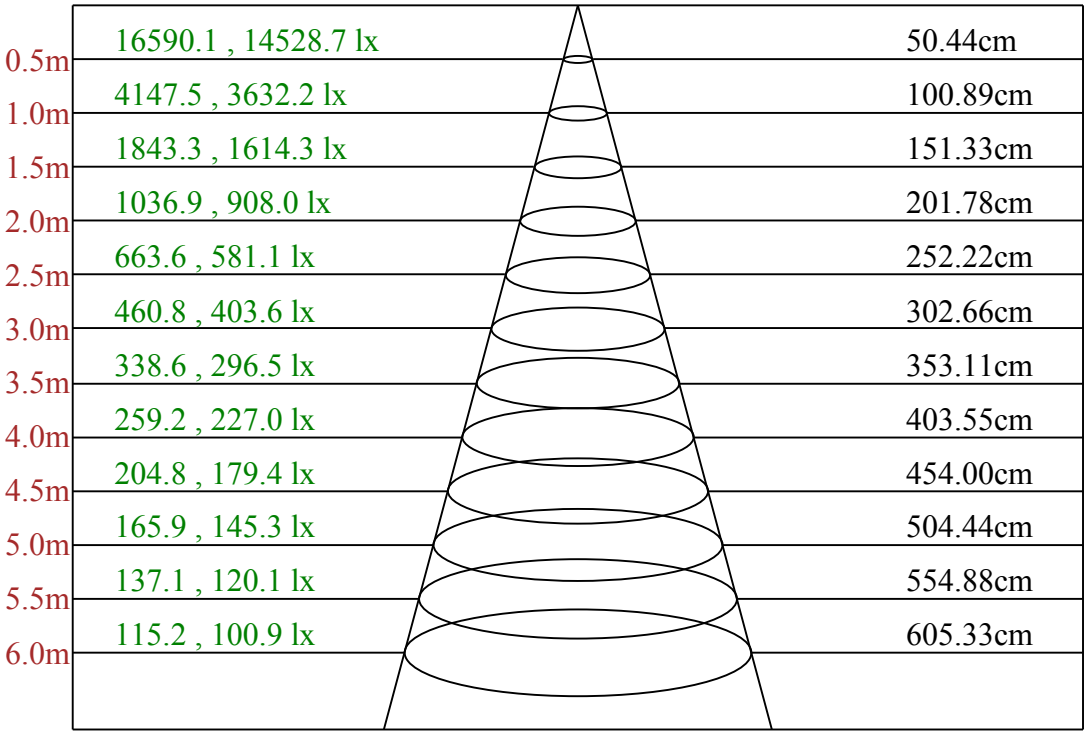
Equipment: GMS-1800
Temperature(°C): 25.0

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

Operator: New
Distance(m): 7.18

SOTEN G1067

Lux distance Curve



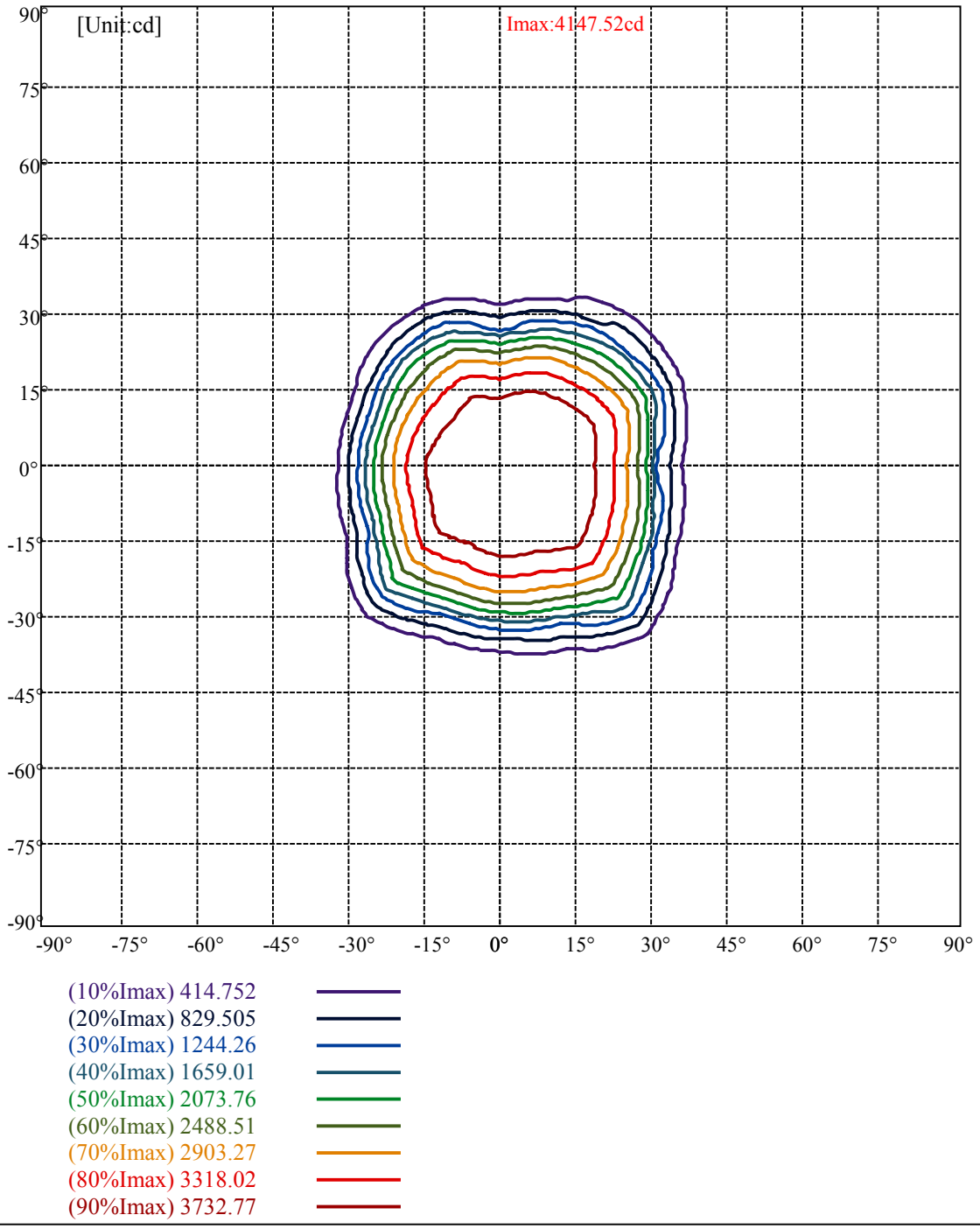
Max , Ave

Beam angle of C270plane53.47

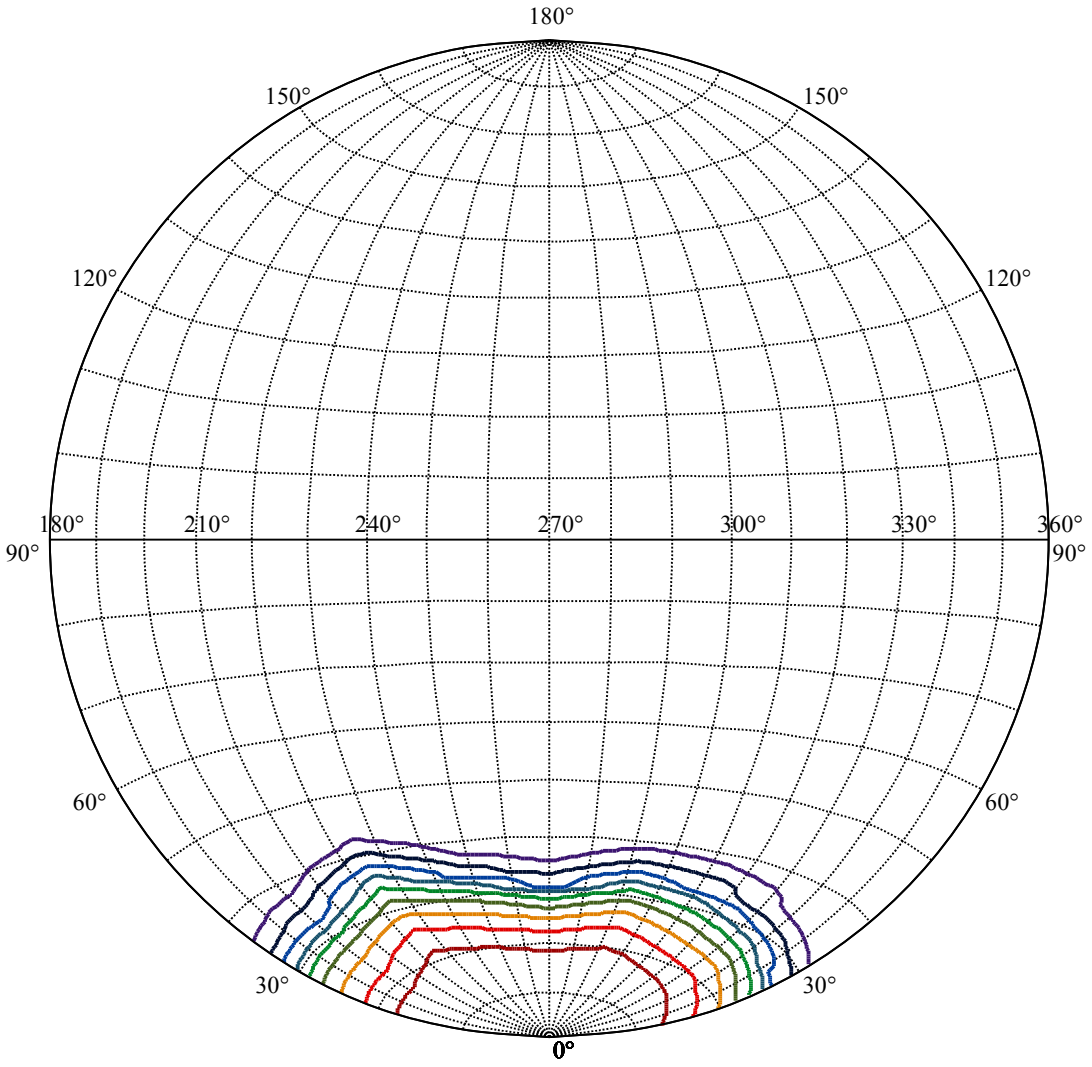
Equipment: GMS-1800
Temperature(°C): 25.0

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

Operator: New
Distance(m): 7.18


[Unit:cd]
Imax:4147.52cd
90°
75°
60°
45°
30°
15°
0°
-15°
-30°
-45°
-60°
-75°
-90°
-90° -75° -60° -45° -30° -15° 0° 15° 30° 45° 60° 75° 90°
(10%Imax) 414.752
(20%Imax) 829.505
(30%Imax) 1244.26
(40%Imax) 1659.01
(50%Imax) 2073.76
(60%Imax) 2488.51
(70%Imax) 2903.27
(80%Imax) 3318.02
(90%Imax) 3732.77

ISO candela diagram on circular web



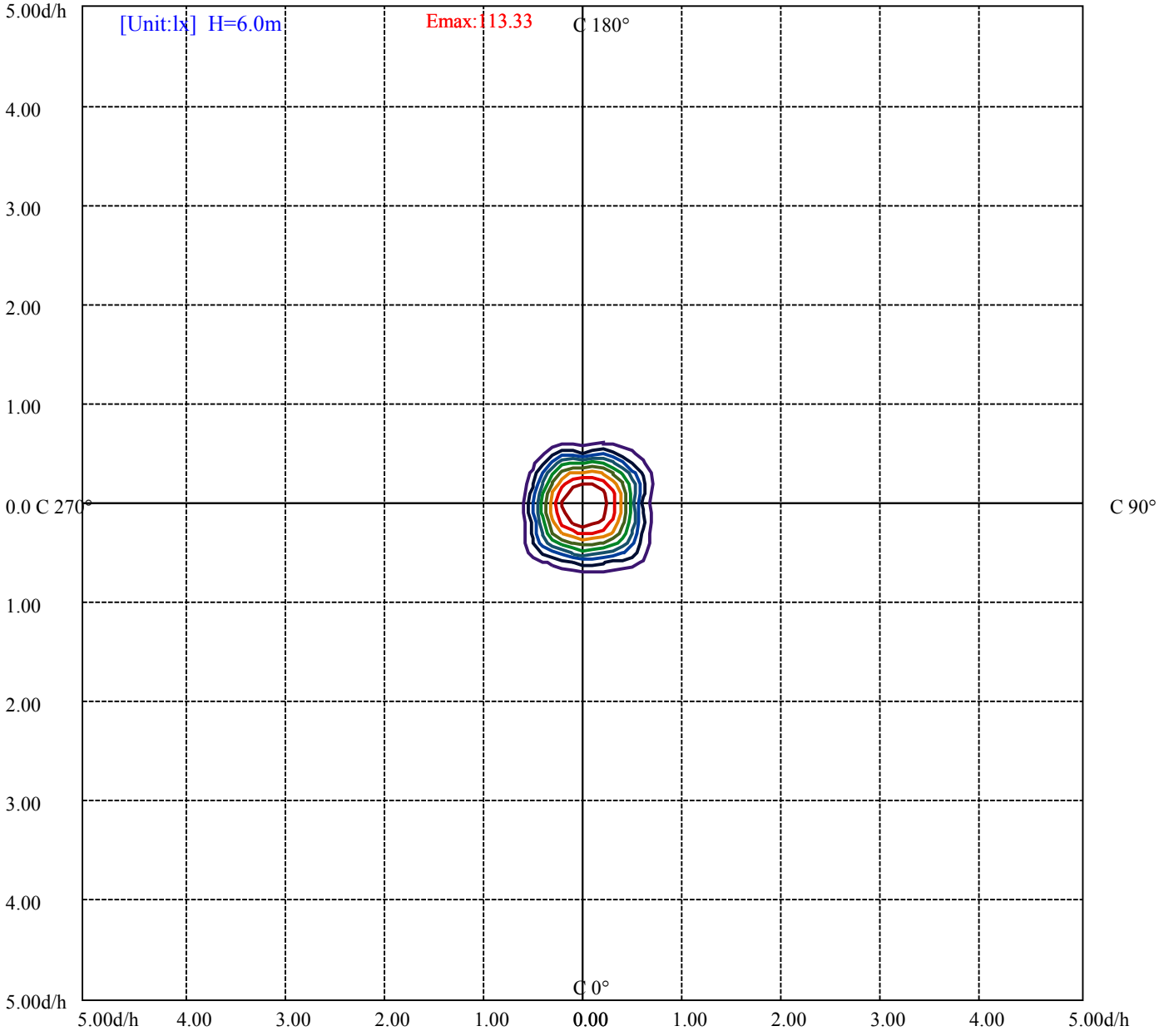
House [Unit:cd] Road

Imax:4147.52

(10%Imax) 414.752
(20%Imax) 829.505
(30%Imax) 1244.26
(40%Imax) 1659.01
(50%Imax) 2073.76
(60%Imax) 2488.51
(70%Imax) 2903.27
(80%Imax) 3318.02
(90%Imax) 3732.77

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ISO illuminance diagram



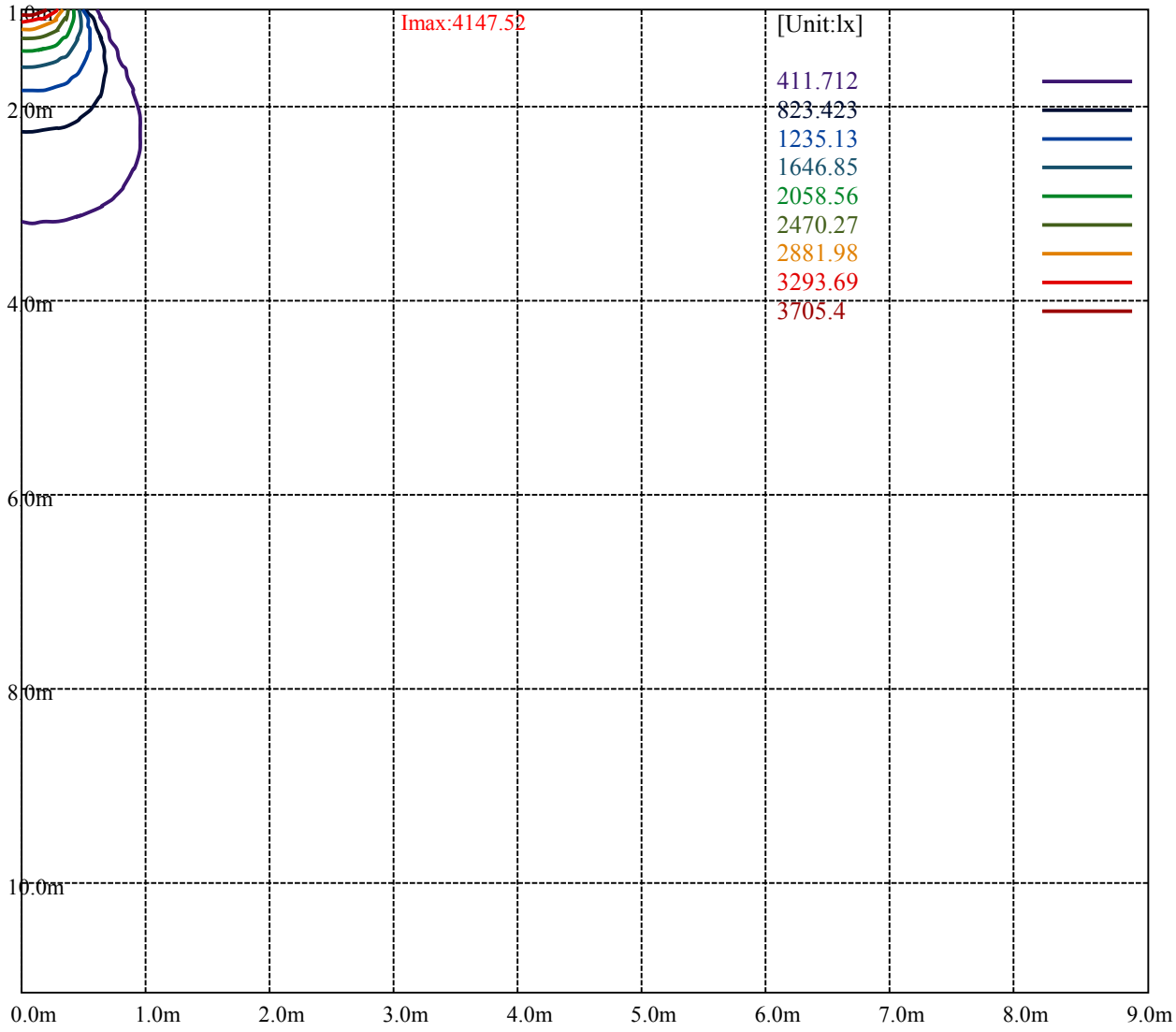
(10%Emax) 11.33336
(20%Emax) 22.66672
(30%Emax) 34
(40%Emax) 45.33333
(50%Emax) 56.66667
(60%Emax) 68.00027
(70%Emax) 79.33361
(80%Emax) 90.66695
(90%Emax) 102.0003

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

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Luminance Limitting Curve(no luminous side)

Luminance Table

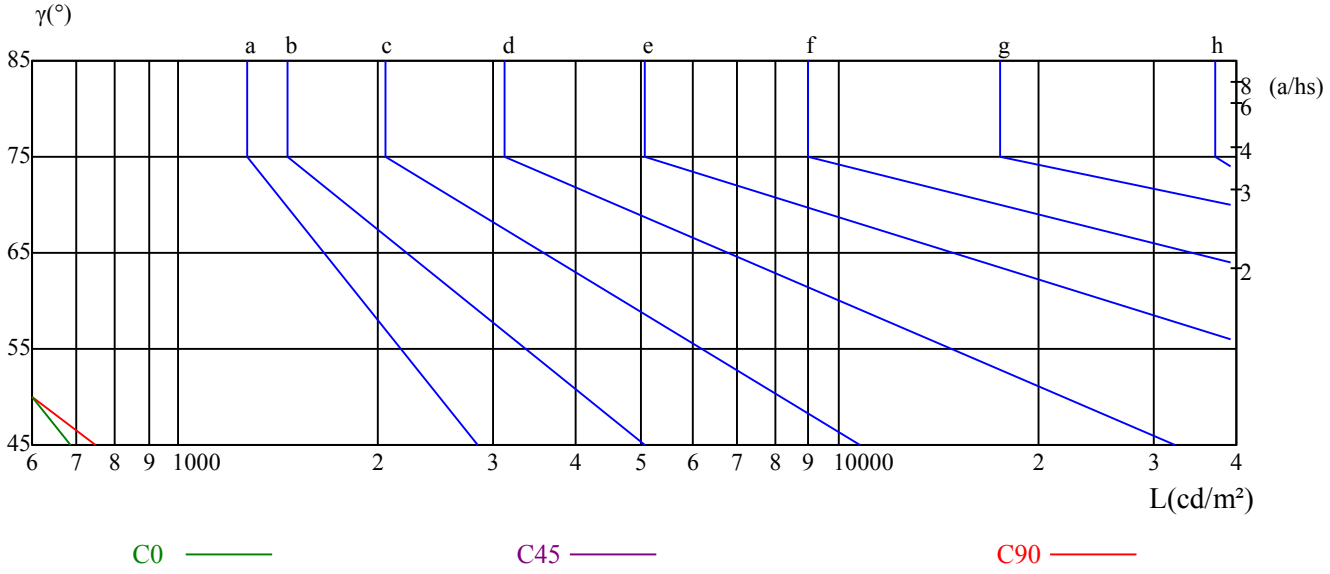
γ	45	50	55	60	65	70	75	80	85
C0	688	418	273	169	110	87	80	87	180
C45	350	232	157	114	77	70	84	107	148
C90	748	431	258	152	101	97	93	105	180

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
171	166	155	144	108	117	402	349	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

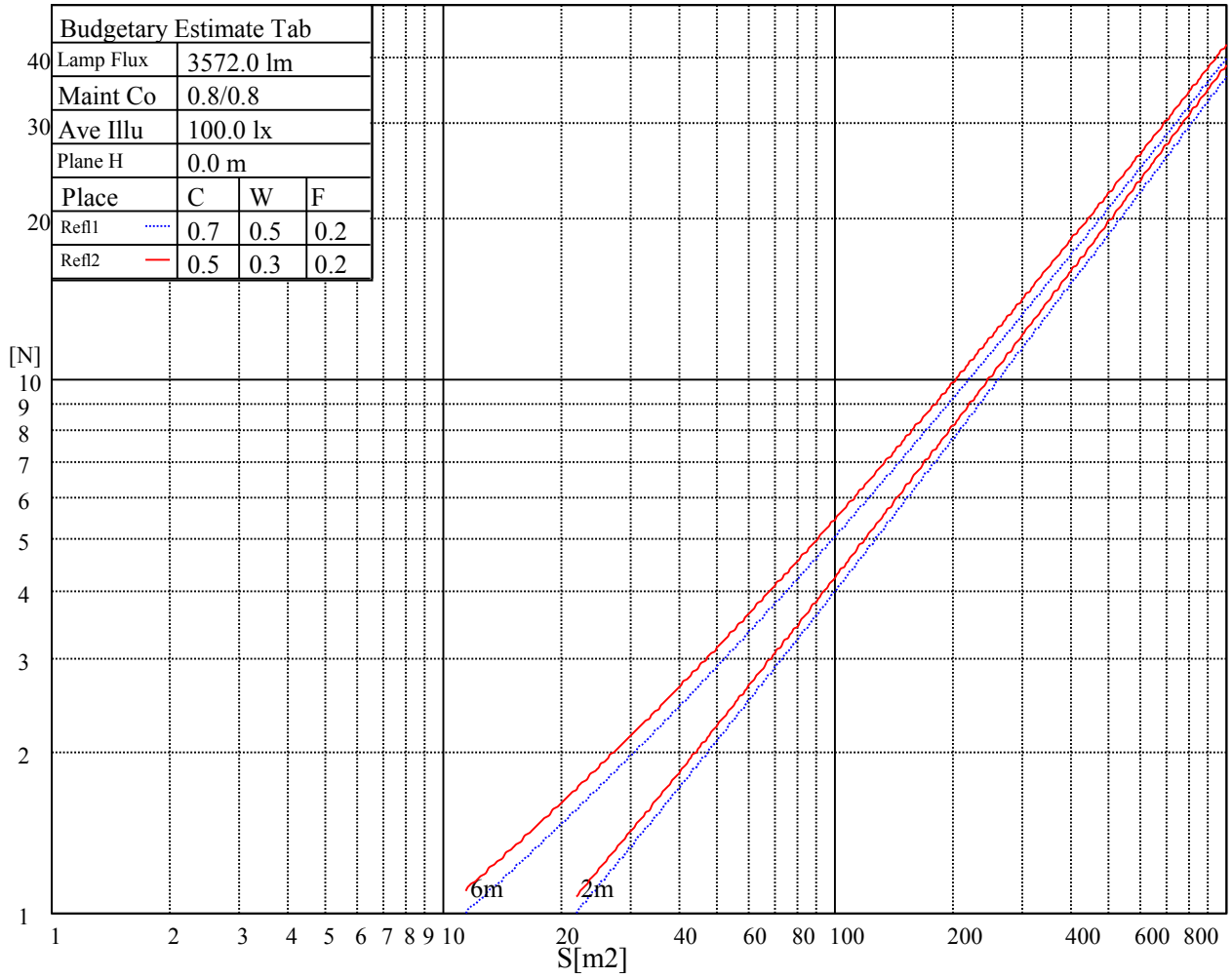
Luminance Limitting Curve



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	7.7	8.4	7.9	8.6	8.8	13.3	14.0	13.5	14.2	14.4
	3H	7.5	8.2	7.8	8.4	8.7	13.1	13.8	13.4	14.0	14.3
	4H	7.3	7.9	7.7	8.2	8.5	12.9	13.5	13.3	13.8	14.1
	6H	7.3	7.9	7.7	8.2	8.5	12.9	13.5	13.3	13.8	14.1
	8H	7.3	7.9	7.7	8.2	8.5	12.9	13.5	13.3	13.8	14.1
	12H	7.1	7.5	7.5	7.9	8.3	12.7	13.1	13.1	13.5	13.9
4H	2H	7.3	7.9	7.7	8.2	8.5	12.9	13.5	13.3	13.8	14.1
	3H	7.1	7.5	7.5	7.9	8.3	12.7	13.1	13.1	13.5	13.9
	4H	7.1	7.5	7.5	7.9	8.3	12.7	13.1	13.1	13.5	13.9
	6H	7.1	7.5	7.5	7.9	8.3	12.7	13.1	13.1	13.5	13.9
	8H	6.9	7.1	7.4	7.6	8.1	12.5	12.7	13.0	13.2	13.7
	12H	6.9	7.1	7.4	7.6	8.1	12.5	12.7	13.0	13.2	13.7
8H	4H	6.9	7.1	7.4	7.6	8.1	12.5	12.7	13.0	13.2	13.7
	6H	6.9	7.1	7.4	7.6	8.1	12.5	12.7	13.0	13.2	13.7
	8H	6.9	7.1	7.4	7.6	8.1	12.5	12.7	13.0	13.2	13.7
	12H	6.9	7.1	7.4	7.6	8.1	12.5	12.7	13.0	13.2	13.7
12H	4H	6.9	7.1	7.4	7.6	8.1	12.5	12.7	13.0	13.2	13.7
	6H	6.9	7.1	7.4	7.6	8.1	12.5	12.7	13.0	13.2	13.7
	8H	6.9	7.1	7.4	7.6	8.1	12.5	12.7	13.0	13.2	13.7

Variation with the observer position at spacings:		
S = 1.0H	4.9/-23.4	5.9/-26.9
S = 1.5H	7.6/-24.3	8.7/-27.9
S = 2.0H	9.6/-24.3	10.7/-28.5
Standard tables:	BK0	BK0
Uncorrected UGR	-6.0	-0.4

Budgetary Estimate Table

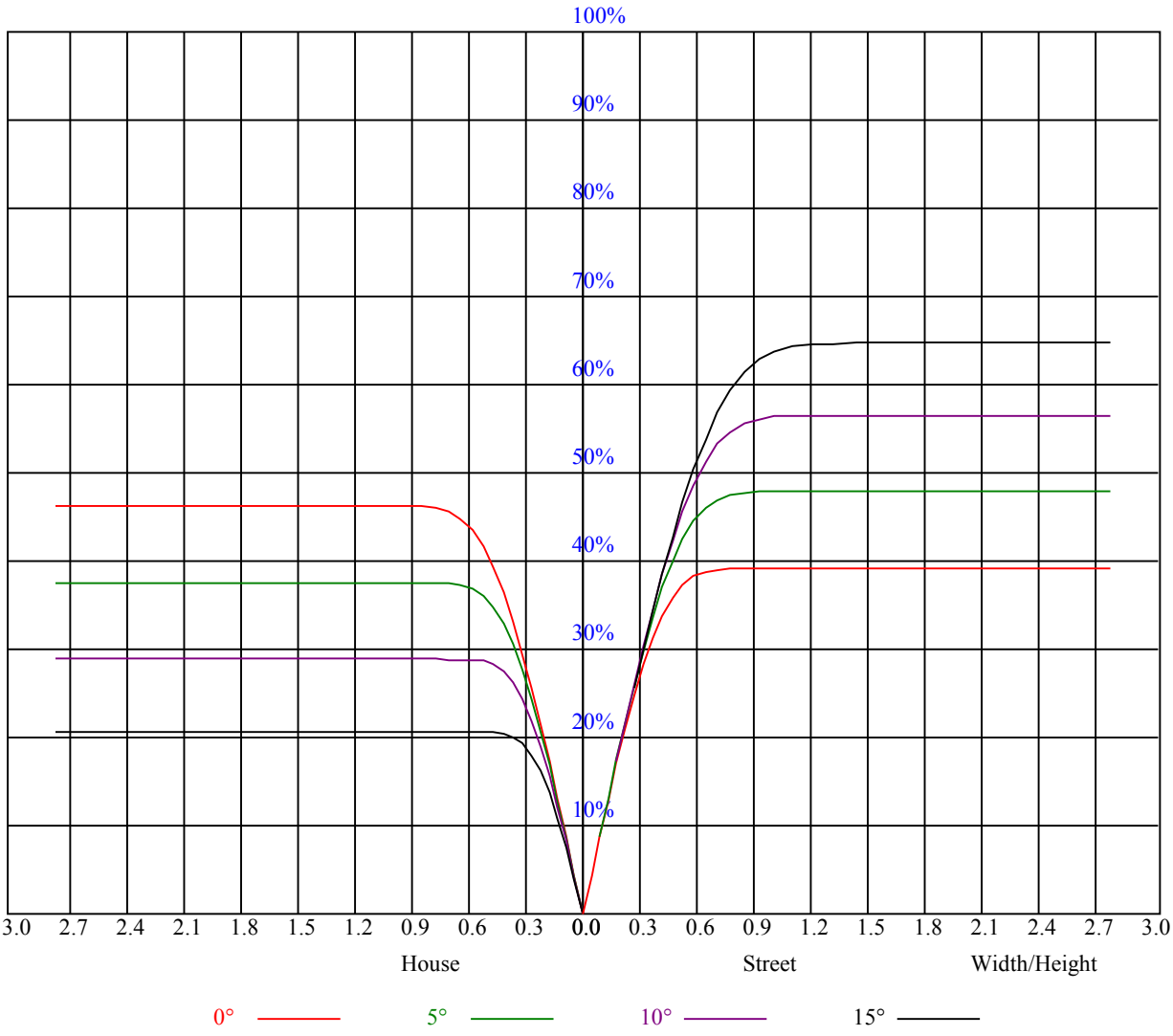


Equipment: GMS-1800 Date: 2022/8/26 Operator: New
Temperature(°C): 25.0 Humidity(%): 65.0% Distance(m): 7.18

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	1.02	1.02	1.02	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.85
1	0.95	0.93	0.92	0.93	0.92	0.90	0.90	0.89	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.89	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.81	0.83	0.81	0.79	0.80	0.79	0.78	0.76
3	0.84	0.80	0.77	0.83	0.79	0.77	0.81	0.78	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.72
4	0.79	0.75	0.72	0.78	0.75	0.71	0.77	0.73	0.71	0.75	0.72	0.70	0.73	0.71	0.69	0.68
5	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
6	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.61
7	0.67	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.57
8	0.64	0.59	0.56	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.54
9	0.61	0.56	0.53	0.60	0.56	0.53	0.60	0.56	0.53	0.59	0.55	0.53	0.58	0.55	0.53	0.51
10	0.58	0.53	0.50	0.58	0.53	0.50	0.57	0.53	0.50	0.56	0.53	0.50	0.56	0.52	0.50	0.49

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	4052.18	4047.03	4044.96	4043.42	4041.87	4031.56	4003.73	3975.90	3960.44
22.5	4063.52	4051.66	4039.81	4032.59	4028.99	4027.44	4025.89	4003.73	3987.24
45.0	4044.96	4038.26	4028.99	4021.77	4010.95	3996.52	3975.39	3953.23	3929.00
67.5	4063.52	4054.76	4047.03	4039.81	4029.50	4005.79	3982.60	3956.32	3937.25
90.0	4117.12	4105.78	4106.29	4103.72	4100.63	4092.89	4064.55	4044.45	4024.35
112.5	4099.08	4101.66	4105.26	4108.87	4104.23	4085.68	4067.64	4045.48	4022.29
135.0	4080.01	4088.26	4098.05	4103.72	4107.32	4111.45	4105.78	4092.89	4074.86
157.5	4083.10	4097.53	4101.66	4105.78	4103.72	4100.63	4096.50	4090.32	4082.59
180.0	4052.18	4069.19	4086.19	4094.44	4102.69	4105.78	4103.72	4095.47	4093.92
202.5	4063.52	4084.13	4094.44	4106.81	4112.99	4118.15	4116.09	4111.96	4114.54
225.0	4044.96	4057.33	4073.31	4092.38	4103.72	4118.66	4124.33	4124.85	4122.79
247.5	4063.52	4082.07	4098.56	4112.48	4118.15	4118.15	4121.24	4122.79	4131.55
270.0	4117.12	4128.46	4138.25	4141.34	4138.76	4138.25	4139.79	4143.92	4147.52
292.5	4099.08	4094.96	4100.11	4104.23	4107.32	4108.35	4105.26	4103.20	4106.29
315.0	4080.01	4079.49	4083.10	4086.19	4091.35	4094.44	4091.86	4088.26	4071.25
337.5	4083.10	4072.28	4061.97	4058.88	4065.06	4069.70	4074.34	4056.82	4036.20
360.0	4052.18	4047.03	4044.96	4043.42	4041.87	4031.56	4003.73	3975.90	3960.44

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3922.82	3907.36	3871.28	3816.13	3739.86	3650.18	3542.47	3425.48	3296.12
22.5	3960.44	3922.30	3888.80	3855.30	3816.13	3762.02	3690.90	3601.22	3501.75
45.0	3898.60	3865.10	3823.87	3775.94	3723.88	3656.37	3580.61	3495.57	3387.34
67.5	3917.15	3887.26	3853.76	3802.22	3755.32	3670.80	3608.95	3506.91	3370.33
90.0	4003.73	3982.60	3947.04	3905.30	3849.63	3782.12	3697.60	3598.13	3483.20
112.5	4006.31	3981.06	3945.50	3899.63	3845.00	3780.57	3700.69	3601.74	3492.48
135.0	4059.91	4030.53	4018.16	3994.97	3964.05	3934.16	3893.96	3843.45	3780.06
157.5	4070.22	4053.72	4025.89	3987.24	3941.37	3890.87	3831.08	3759.44	3677.50
180.0	4092.89	4082.07	4066.09	4047.54	3994.46	3970.23	3923.85	3869.22	3799.13
202.5	4104.23	4090.83	4074.34	4041.36	4006.31	3983.63	3932.61	3881.07	3813.04
225.0	4120.21	4114.54	4111.45	4105.26	4100.63	4089.29	4069.19	4038.26	3999.09
247.5	4131.55	4132.58	4119.18	4099.08	4071.76	4051.15	4025.38	3990.85	3950.65
270.0	4137.73	4122.27	4098.05	4072.28	4047.54	4020.74	3975.90	3915.60	3846.03
292.5	4110.42	4111.45	4114.02	4100.11	4073.82	4043.93	4014.04	3971.78	3927.46
315.0	4049.09	4026.41	4011.46	3983.12	3967.14	3938.28	3901.17	3850.67	3778.51
337.5	4008.37	3985.18	3963.53	3938.80	3902.20	3851.18	3779.03	3697.08	3639.87
360.0	3922.82	3907.36	3871.28	3816.13	3739.86	3650.18	3542.47	3425.48	3296.12

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3171.39	3033.27	2883.30	2699.82	2482.33	2240.10	1999.42	1753.07	1499.50
22.5	3389.92	3264.68	3138.41	3009.56	2874.02	2721.98	2542.11	2331.84	2100.43
45.0	3261.59	3125.52	2980.19	2832.27	2738.47	2501.40	2395.23	2214.33	2024.67
67.5	3276.02	3147.69	2995.65	2818.36	2616.84	2397.81	2161.25	1898.92	1626.80
90.0	3354.87	3219.32	3059.56	2878.66	2671.99	2536.45	2189.08	2028.80	1740.18
112.5	3372.91	3249.73	3105.43	2941.53	2828.67	2548.30	2418.42	2179.80	1925.20
135.0	3711.51	3627.51	3535.25	3424.96	3300.24	3169.85	3023.48	2874.53	2729.20
157.5	3582.15	3471.86	3347.65	3249.22	3106.97	2972.97	2857.53	2694.67	2512.22
180.0	3716.15	3627.51	3513.09	3395.58	3274.47	3151.81	3008.02	2848.25	2680.24
202.5	3740.37	3661.52	3560.51	3453.82	3339.41	3224.48	3109.55	2974.00	2826.60
225.0	3954.77	3913.03	3841.39	3792.43	3723.88	3628.54	3552.26	3447.12	3332.71
247.5	3890.35	3817.68	3741.40	3645.54	3534.22	3414.65	3291.99	3153.36	2999.77
270.0	3799.64	3667.19	3553.81	3479.59	3350.75	3211.08	3047.70	2871.96	2670.44
292.5	3876.95	3839.84	3728.52	3642.97	3579.06	3464.65	3338.38	3212.62	3073.99
315.0	3692.44	3595.55	3487.84	3372.39	3249.22	3117.28	2984.31	2841.55	2685.39
337.5	3485.26	3367.24	3295.09	3169.85	3032.76	2881.23	2696.21	2484.91	2244.74
360.0	3171.39	3033.27	2883.30	2699.82	2482.33	2240.10	1999.42	1753.07	1499.50

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	945.16	945.16	858.26	579.08	481.06	329.12	198.01	103.02	51.28
22.5	1912.83	1634.53	1406.73	1220.16	1010.40	813.01	629.54	467.71	321.34
45.0	1822.64	1602.58	1232.53	944.74	861.72	672.57	516.46	377.36	250.63
67.5	1357.77	1117.60	901.66	693.44	494.51	322.37	291.96	291.96	77.46
90.0	1451.05	1190.79	957.83	735.19	528.52	348.14	288.36	262.59	67.36
112.5	1658.24	1394.36	949.33	949.33	740.96	543.16	366.28	227.70	137.30
135.0	2580.25	2426.67	2254.02	2146.30	1886.55	1765.95	1540.73	1198.52	1052.66
157.5	2309.16	2074.66	1832.95	1595.36	1228.93	1004.73	921.19	720.45	533.73
180.0	2481.30	2247.32	2000.96	1761.31	1512.90	1263.46	1071.22	809.92	648.09
202.5	2663.74	2477.18	2258.66	2037.56	1802.03	1576.81	1226.86	963.40	963.40
225.0	3200.77	3054.92	2903.40	2754.97	2617.36	2467.90	2300.92	2123.63	1944.27
247.5	2826.60	2715.80	2512.22	2294.22	2057.14	1786.05	1509.81	968.76	968.76
270.0	2457.59	2216.91	1954.07	1667.00	1022.31	937.58	893.36	686.54	529.09
292.5	2919.37	2749.30	2560.67	2355.03	2141.15	1903.56	1646.90	1384.57	1134.09
315.0	2512.74	2323.59	2112.29	1905.62	1694.83	1575.78	996.08	956.80	956.80
337.5	2006.63	1768.53	1523.21	1280.46	1058.33	846.00	649.12	480.08	329.59
360.0	945.16	945.16	858.26	579.08	481.06	329.12	198.01	103.02	51.28

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	33.65	24.69	19.12	15.56	12.99	10.82	9.17	7.83	6.70
22.5	295.06	152.29	39.27	22.16	15.15	11.24	8.86	7.37	6.49
45.0	148.22	76.48	34.43	12.88	7.01	4.74	4.38	3.87	3.45
67.5	38.09	24.48	17.94	14.07	11.75	9.90	8.35	7.16	6.08
90.0	36.13	25.77	19.53	15.87	13.71	11.24	9.59	8.56	7.32
112.5	87.72	39.53	25.72	19.74	14.33	11.91	9.79	7.99	6.60
135.0	835.17	649.64	490.38	352.26	261.04	261.04	60.20	25.61	8.97
157.5	385.35	251.14	137.14	90.14	28.14	22.42	16.70	13.76	11.54
180.0	476.47	313.09	313.09	261.04	51.38	28.55	22.01	17.83	15.00
202.5	761.68	577.69	419.57	283.72	171.36	87.10	39.12	23.09	17.21
225.0	1750.49	1543.31	1305.72	1068.13	934.64	653.76	493.99	409.99	292.48
247.5	764.15	566.61	383.49	234.55	133.54	73.24	35.20	24.64	15.31
270.0	348.35	210.48	121.48	66.02	33.76	23.40	17.63	14.33	12.06
292.5	922.27	736.74	556.35	384.22	288.87	288.87	78.90	36.44	19.58
315.0	772.19	599.34	442.51	308.61	194.87	105.76	46.23	15.46	7.11
337.5	329.59	274.44	56.23	34.63	25.15	19.07	15.41	12.73	10.57
360.0	33.65	24.69	19.12	15.56	12.99	10.82	9.17	7.83	6.70

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	5.88	5.05	4.74	4.02	3.71	3.30	2.99	2.68	2.32
22.5	5.46	4.69	3.97	3.50	3.14	2.83	2.53	2.27	2.01
45.0	3.09	2.83	2.53	2.27	2.06	1.91	1.70	1.55	1.34
67.5	5.15	4.48	3.87	3.45	3.04	2.63	2.42	2.16	1.91
90.0	6.39	5.67	4.90	4.33	3.92	3.40	2.99	2.68	2.32
112.5	5.51	4.74	4.12	3.56	3.04	2.78	2.47	2.11	1.91
135.0	4.59	4.07	3.71	3.14	2.83	2.68	2.42	2.22	2.01
157.5	9.38	7.94	6.60	5.46	4.59	3.81	3.25	2.89	2.47
180.0	12.63	10.72	9.17	7.68	6.60	6.03	4.90	4.54	4.02
202.5	13.66	11.13	9.02	7.37	6.13	5.46	4.33	3.97	3.40
225.0	292.48	104.06	47.42	17.94	6.29	4.54	3.92	3.45	3.09
247.5	13.04	10.82	8.50	7.78	6.80	5.88	5.10	4.43	3.87
270.0	10.26	9.02	7.94	6.96	6.18	5.46	4.90	4.38	3.87
292.5	13.55	10.15	8.30	6.85	5.82	5.10	4.38	3.81	3.40
315.0	5.72	4.79	4.12	3.66	3.30	3.09	2.68	2.47	2.22
337.5	8.92	7.63	6.55	5.72	5.00	4.33	3.87	3.45	2.94
360.0	5.88	5.05	4.74	4.02	3.71	3.30	2.99	2.68	2.32

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	2.11	1.96	1.70	1.49	1.34	1.24	1.08	0.98	0.82
22.5	1.91	1.70	1.55	1.39	1.29	1.13	1.03	0.93	0.88
45.0	1.29	1.19	1.08	0.98	0.88	0.82	0.77	0.72	0.67
67.5	1.75	1.55	1.39	1.24	1.13	1.03	0.88	0.77	0.77
90.0	2.11	1.86	1.65	1.44	1.29	1.13	0.98	0.93	0.77
112.5	1.70	1.55	1.39	1.24	1.19	1.03	0.93	0.88	0.67
135.0	1.80	1.65	1.55	1.39	1.19	1.13	1.08	0.98	0.82
157.5	2.11	1.96	1.75	1.55	1.34	1.24	1.08	1.03	0.98
180.0	3.45	3.09	2.78	2.47	2.16	1.91	1.75	1.55	1.34
202.5	2.89	2.63	2.32	2.06	1.80	1.65	1.49	1.34	1.29
225.0	2.78	2.47	2.22	2.06	1.86	1.70	1.55	1.39	1.24
247.5	3.45	3.04	2.63	2.37	2.16	1.86	1.65	1.49	1.34
270.0	3.45	3.14	2.83	2.63	2.22	2.11	1.80	1.60	1.55
292.5	3.04	2.73	2.42	2.16	2.06	1.80	1.65	1.55	1.39
315.0	2.01	1.86	1.65	1.55	1.44	1.29	1.13	1.08	1.03
337.5	2.63	2.37	2.11	1.86	1.80	1.60	1.34	1.29	1.19
360.0	2.11	1.96	1.70	1.49	1.34	1.24	1.08	0.98	0.82

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	0.77	0.67	0.62	0.52	0.52	0.46	0.46	0.41	0.36
22.5	0.82	0.72	0.62	0.57	0.57	0.52	0.46	0.41	0.41
45.0	0.62	0.57	0.46	0.46	0.46	0.41	0.36	0.36	0.31
67.5	0.67	0.62	0.52	0.52	0.52	0.41	0.41	0.41	0.41
90.0	0.67	0.62	0.57	0.57	0.52	0.41	0.46	0.46	0.41
112.5	0.67	0.62	0.57	0.52	0.46	0.41	0.41	0.46	0.36
135.0	0.77	0.77	0.67	0.57	0.57	0.52	0.46	0.46	0.41
157.5	0.82	0.67	0.67	0.62	0.52	0.46	0.41	0.41	0.41
180.0	1.19	1.03	0.93	0.77	0.72	0.67	0.57	0.52	0.46
202.5	1.03	0.98	0.88	0.77	0.72	0.62	0.52	0.46	0.46
225.0	1.19	1.08	0.93	0.88	0.82	0.77	0.62	0.57	0.57
247.5	1.13	1.13	0.98	0.88	0.77	0.67	0.62	0.52	0.67
270.0	1.39	1.13	1.03	0.98	0.82	0.72	0.62	0.62	0.57
292.5	1.24	1.19	1.08	0.98	0.82	0.82	0.72	0.62	0.57
315.0	0.93	0.82	0.82	0.72	0.62	0.67	0.57	0.52	0.52
337.5	1.03	0.88	0.82	0.72	0.72	0.62	0.52	0.52	0.52
360.0	0.77	0.67	0.62	0.52	0.52	0.46	0.46	0.41	0.36

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

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	0.36	0.36	0.31	0.31	0.31	0.31
22.5	0.36	0.31	0.36	0.31	0.36	0.36	0.36	0.36	0.31
45.0	0.31	0.31	0.31	0.41	0.36	0.36	0.36	0.36	0.41
67.5	0.36	0.41	0.36	0.36	0.41	0.41	0.36	0.41	0.41
90.0	0.31	0.31	0.36	0.31	0.36	0.36	0.41	0.36	0.31
112.5	0.36	0.36	0.26	0.31	0.31	0.31	0.36	0.36	0.36
135.0	0.26	0.26	0.31	0.26	0.31	0.26	0.26	0.26	0.26
157.5	0.21	0.26	0.31	0.31	0.31	0.26	0.31	0.31	0.31
180.0	0.31	0.26	0.26	0.26	0.31	0.26	0.26	0.26	0.21
202.5	0.31	0.26	0.26	0.26	0.26	0.31	0.26	0.31	0.31
225.0	0.26	0.26	0.31	0.31	0.26	0.26	0.26	0.31	0.26
247.5	0.26	0.31	0.26	0.21	0.31	0.31	0.26	0.31	0.31
270.0	0.31	0.36	0.36	0.31	0.41	0.36	0.41	0.41	0.41
292.5	0.41	0.36	0.31	0.36	0.36	0.36	0.36	0.36	0.41
315.0	0.31	0.36	0.31	0.36	0.36	0.36	0.31	0.36	0.36
337.5	0.31	0.26	0.31	0.31	0.31	0.36	0.36	0.36	0.36
360.0	0.31	0.31	0.31	0.36	0.36	0.31	0.31	0.31	0.31

C/γ(°)	90.0
0.0	0.36
22.5	0.41
45.0	0.36
67.5	0.36
90.0	0.36
112.5	0.31
135.0	0.31
157.5	0.26
180.0	0.31
202.5	0.26
225.0	0.31
247.5	0.26
270.0	0.36
292.5	0.41
315.0	0.36
337.5	0.41
360.0	0.36