

12289 - PHOTOMETRY

LumCAT:
Luminaire: 12289
Report No:
Ballast type:
Test No:
LampCAT:
Lamp flux(lm): 2500.0
Number of Lamps: 1
Length(mm): 0
Phm Type: C

Voltage(V): 120.15
Current(A): 0.3290
Power (W): 39.14
PF: 0.9906
Width(mm): 0
Height(mm): 0

Photometric Results

Lumens(lm): 2499.51, Efficiency(%): 99.98% , Luminous Efficacy(lm/W): 63.86
Central intensity(cd): 766.055, Maximum intensity(cd): 775.298
Angle of maximum intensity: C=270.0 γ =5.0
Beam Angle(50%Imax): [C0/180]Total=111.2
[C90/270]Total=110.5
Field angle(10%Imax): [C0/180]Total=190.6
[C90/270]Total=188.9
Maximum s/h(1/2): C0_180=1.20 C90_270=1.23
Maximum s/h(1/4): C0_180=1.34 C90_270=1.35
Up flux rate of lamp(%): 7.12%
Down flux rate of lamp(%): 92.86%
Up flux rate of LUM(%): 7.12%
Down flux rate of LUM(%): 92.88%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 66.512%

Equipment: GMS-3000
Temperature(°C): 25

Date:
Humidity(%): 59%

12289 - ZONAL FLUX DISTRIBUTION TABLE

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	766.055	0.000	0	0.00%	0.00%
5.0	763.175	18.282	18.282	0.73%	0.73%
10.0	733.136	53.528	71.809	2.14%	2.87%
15.0	704.615	85.286	157.096	3.41%	6.29%
20.0	680.883	114.184	271.28	4.57%	10.85%
25.0	655.194	140.130	411.41	5.61%	16.46%
30.0	623.327	161.798	573.208	6.47%	22.93%
35.0	584.563	177.870	751.078	7.11%	30.05%
40.0	539.955	187.617	938.695	7.50%	37.56%
45.0	490.662	190.827	1129.522	7.63%	45.19%
50.0	437.534	187.555	1317.078	7.50%	52.69%
55.0	384.663	178.773	1495.851	7.15%	59.85%
60.0	336.220	166.630	1662.481	6.67%	66.51%
65.0	290.814	152.433	1814.914	6.10%	72.61%
70.0	250.170	136.981	1951.895	5.48%	78.09%
75.0	210.530	120.420	2072.314	4.82%	82.91%
80.0	171.688	102.271	2174.585	4.09%	87.00%
85.0	134.261	83.134	2257.719	3.33%	90.33%
90.0	98.663	63.776	2321.495	2.55%	92.88%
95.0	76.243	47.890	2369.386	1.92%	94.79%
100.0	56.088	35.958	2405.343	1.44%	96.23%
105.0	37.735	25.105	2430.448	1.00%	97.24%
110.0	25.972	16.652	2447.1	0.67%	97.90%
115.0	19.511	11.517	2458.617	0.46%	98.36%
120.0	17.375	8.967	2467.584	0.36%	98.72%
125.0	14.595	7.390	2474.973	0.30%	99.02%
130.0	12.999	6.000	2480.973	0.24%	99.26%
135.0	11.197	4.889	2485.862	0.20%	99.45%
140.0	9.575	3.846	2489.708	0.15%	99.61%
145.0	8.880	3.079	2492.787	0.12%	99.73%
150.0	7.980	2.483	2495.27	0.10%	99.83%
155.0	6.461	1.827	2497.098	0.07%	99.90%
160.0	4.376	1.137	2498.234	0.05%	99.95%
165.0	3.784	0.672	2498.907	0.03%	99.98%
170.0	3.011	0.403	2499.31	0.02%	99.99%
175.0	1.518	0.162	2499.472	0.01%	100.00%
180.0	1.533	0.036	2499.508	0.00%	100.00%

12289 - ZONAL FLUX DISTRIBUTION TABLE

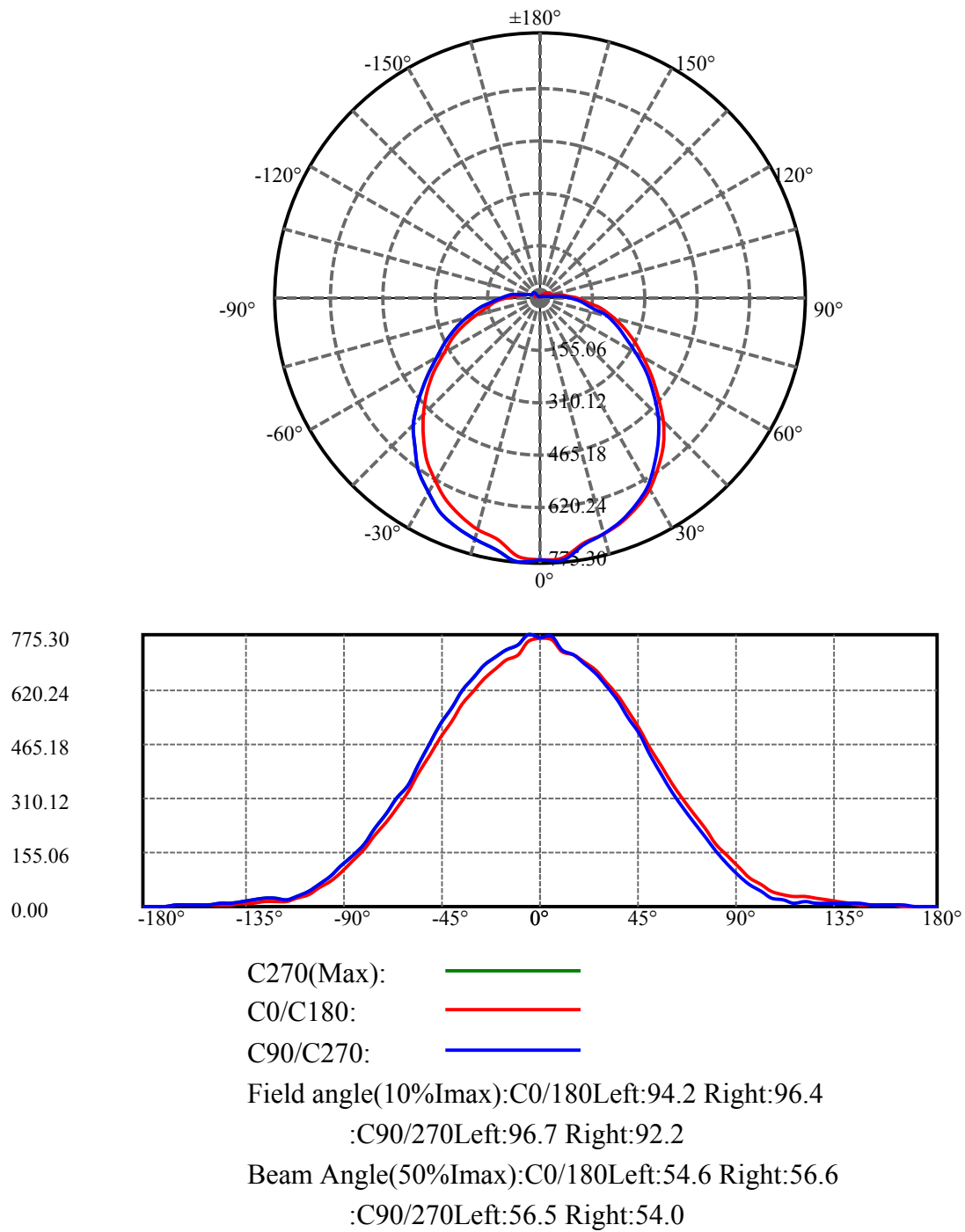
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	573.21	22.93%	22.93%
0-40	938.70	37.55%	37.56%
0-60	1662.48	66.50%	66.51%
0-90	2321.50	92.86%	92.88%
0-120	2467.58	98.70%	98.72%
0-180	2499.51	99.98%	100.00%
60-90	659.01	26.36%	26.37%
90-120	146.09	5.84%	5.84%
90-130	159.48	6.38%	6.38%
90-150	173.77	6.95%	6.95%
90-180	177.98	7.12%	7.12%
0-71.98	1999.61	79.98%	80.00%

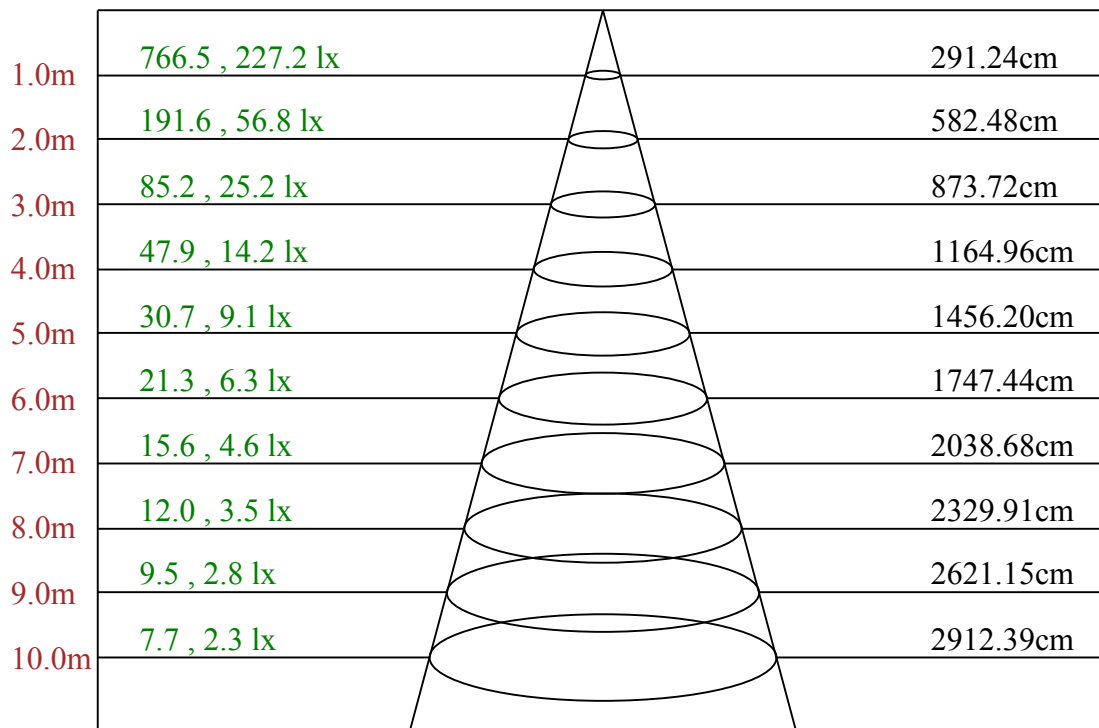
ZONAL LUMEN SUMMARY

0-10	71.81
10-20	199.47
20-30	301.93
30-40	365.49
40-50	378.38
50-60	345.40
60-70	289.41
70-80	222.69
80-90	146.91
90-100	83.85
100-110	41.76
110-120	20.48
120-130	13.39
130-140	8.74
140-150	5.56
150-160	2.96
160-170	1.08
170-180	0.16

12289 - LIGHT DISTRIBUTION CURVE

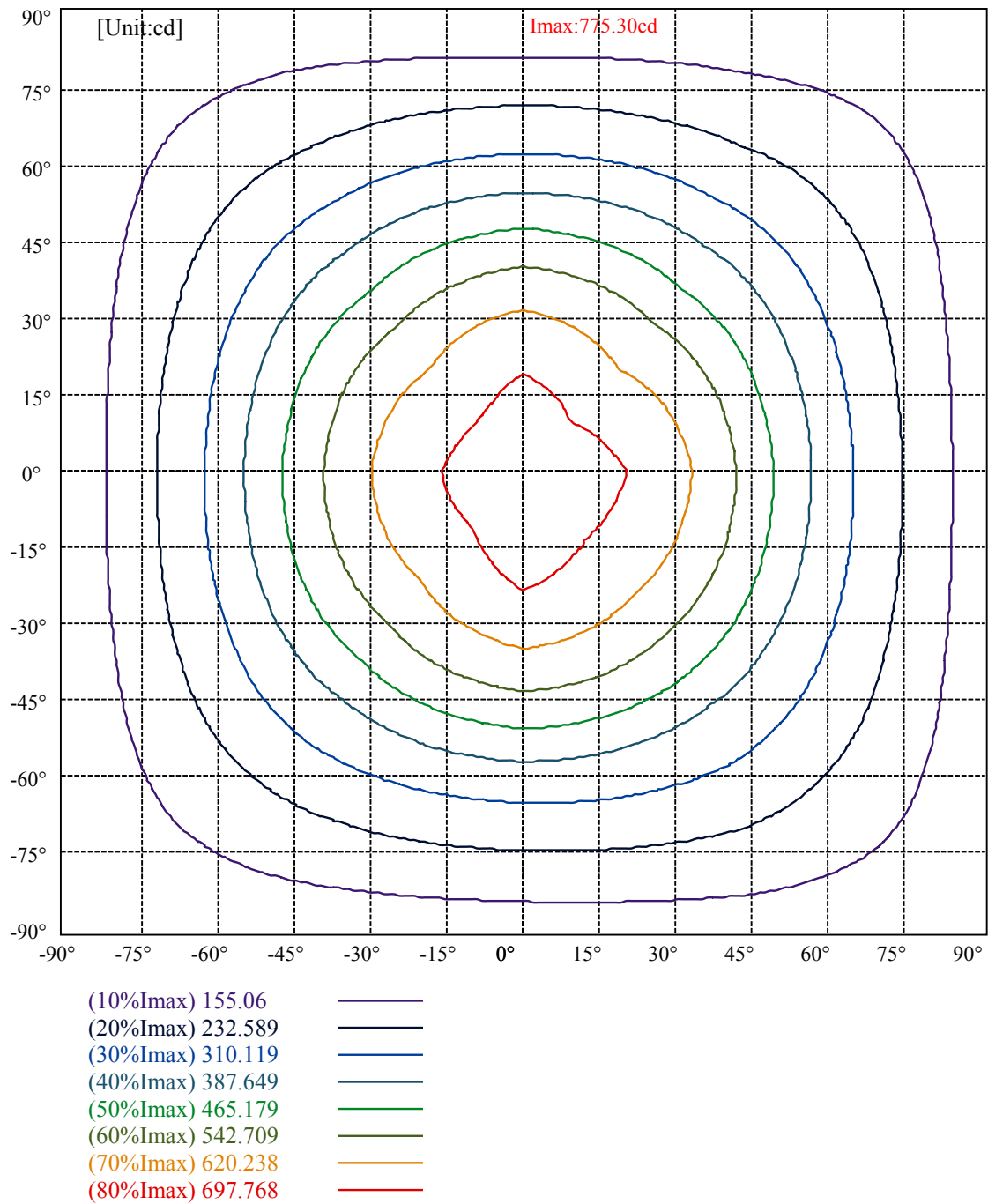


12289 - LUX DISTANCE CURVE



Max , Ave Beam angle of C270 plane 111.04

12289 - ISO-INTENSITY (V-H)

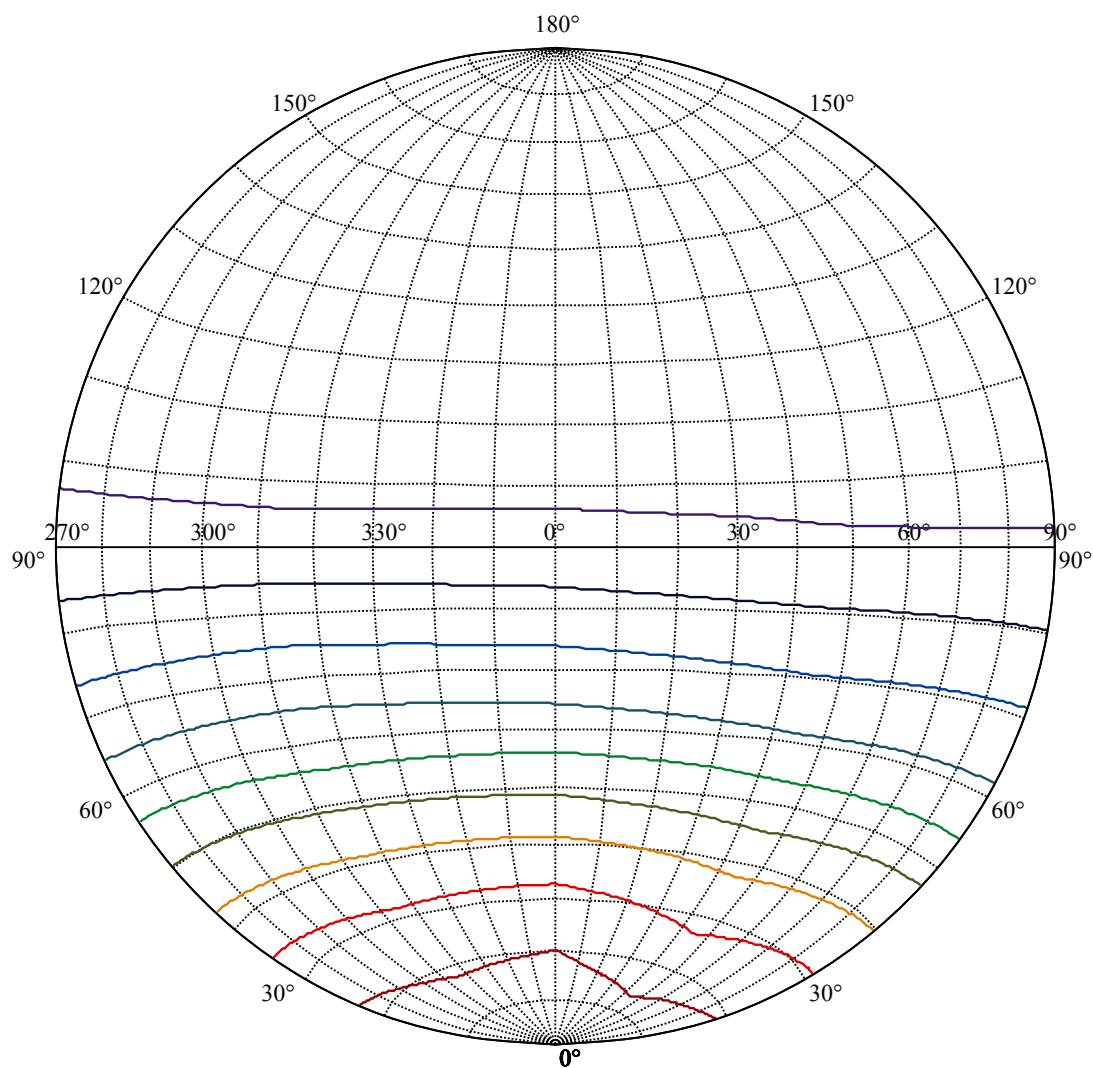


Equipment: GMS-3000
Temperature(°C): 25

Date:
Humidity(%): 59%

Operator: jarvis

12289 - ISO CANDELA DIAGRAM ON CIRCULAR WEB



House

[Unit:cd]

Road

Imax:775.30

(10%Imax) 77.5298
 (20%Imax) 155.06
 (30%Imax) 232.589
 (40%Imax) 310.119
 (50%Imax) 387.649
 (60%Imax) 465.179
 (70%Imax) 542.709
 (80%Imax) 620.238
 (90%Imax) 697.768



12289 - INTENSITY DATA (CD)

C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	766.06	761.09	726.29	715.17	698.49	672.54	642.07	603.56	558.05
45.0	766.06	749.97	712.49	689.84	658.33	631.77	600.47	564.64	522.01
90.0	766.06	769.74	730.41	715.38	692.11	663.48	630.54	586.06	539.72
135.0	766.06	763.36	732.26	676.46	657.92	630.12	596.76	558.26	510.69
180.0	766.06	757.18	718.05	700.96	678.93	650.72	616.33	576.38	531.28
225.0	766.06	759.44	749.35	694.37	664.31	642.48	612.00	574.11	532.72
270.0	766.06	775.30	747.71	729.79	712.29	689.43	655.45	616.33	570.41
315.0	766.06	769.33	748.53	714.96	684.69	661.01	633.01	597.18	554.76
360.0	766.06	761.09	726.29	715.17	698.49	672.54	642.07	603.56	558.05
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	506.78	451.59	398.25	349.45	303.32	263.58	222.81	180.39	144.15
45.0	471.77	414.93	379.10	322.68	277.58	236.40	198.51	162.68	118.41
90.0	488.86	432.85	376.84	325.56	279.85	241.96	199.75	157.74	119.85
135.0	461.47	411.43	366.13	315.68	272.23	232.28	195.01	164.94	128.91
180.0	483.51	432.03	379.31	327.62	281.08	241.96	200.36	162.27	128.08
225.0	485.77	434.91	379.72	342.86	292.20	251.02	211.69	175.03	136.94
270.0	521.19	466.62	405.46	346.98	306.41	263.38	222.81	180.39	146.41
315.0	505.95	455.91	392.49	358.92	313.83	270.79	233.31	190.07	151.35
360.0	506.78	451.59	398.25	349.45	303.32	263.58	222.81	180.39	144.15
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	110.37	82.99	60.54	45.10	34.80	30.07	28.21	24.92	21.00
45.0	86.49	73.31	51.07	33.36	24.09	18.33	14.83	12.36	10.09
90.0	88.96	62.81	41.80	25.74	17.50	11.94	12.36	11.33	11.12
135.0	84.84	76.40	56.01	36.45	24.30	17.50	14.42	9.06	11.12
180.0	97.81	72.28	51.48	34.18	22.03	16.68	15.65	12.15	10.09
225.0	102.96	76.81	60.54	41.19	27.59	19.97	15.24	13.80	10.09
270.0	113.26	85.66	62.19	42.21	29.86	20.39	22.45	21.83	20.39
315.0	104.61	79.69	65.07	43.66	27.59	21.21	15.86	11.33	10.09
360.0	110.37	82.99	60.54	45.10	34.80	30.07	28.21	24.92	21.00
C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	14.62	9.68	7.00	6.18	5.15	4.32	2.06	1.85	1.65
45.0	8.44	9.68	9.88	9.27	8.03	5.35	4.94	4.74	1.44
90.0	10.09	8.86	7.62	6.38	4.94	3.30	2.47	2.27	1.44
135.0	11.12	10.50	10.09	10.09	5.77	3.30	5.97	2.06	1.44
180.0	7.83	6.80	7.00	6.59	5.97	4.94	2.47	1.85	1.65
225.0	9.06	9.47	10.09	9.27	8.24	6.18	5.56	4.94	1.24
270.0	16.06	10.71	9.88	7.21	5.15	4.32	3.09	2.27	1.65
315.0	12.36	10.91	9.47	8.86	8.44	3.30	3.71	4.12	1.65
360.0	14.62	9.68	7.00	6.18	5.15	4.32	2.06	1.85	1.65
C/γ(°)	180.0								
0.0	1.53								
45.0	1.53								
90.0	1.53								
135.0	1.53								
180.0	1.53								
225.0	1.53								
270.0	1.53								
315.0	1.53								
360.0	1.53								