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LumCAT: LL6RR-30K

Luminaire:

Report No:

Voltage(V): 120.03

Test No:

Current(A): 0.1437

LampCAT:

Power (W): 16.9730

Lamp flux(lm): 1205.0

PF: 0.9838

Number of Lamps: 1

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

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### Photometric Results

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Lumens(lm): 1205.02

Efficiency(%): 100.00%

Lumens(lm)/Power(W): 71.00

Central intensity(cd): 479.508

Maximum intensity(cd): 479.508

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=105.0

[C90/270]Total=104.8

Field angle(10%Imax): [C0/180]Total=154.7

[C90/270]Total=154.9

Maximum s/h(1/2): C0\_180=1.26 C90\_270=1.22

Maximum s/h(1/4): C0\_180=1.80 C90\_270=1.33

Up flux rate of lamp(%): 0.18%

Down flux rate of lamp(%): 99.82%

Up flux rate of LUM(%): 0.18%

Down flux rate of LUM(%): 99.82%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 81.992%

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

Date:  
Humidity(%): 58%

Operator: Zac

## Zonal flux distribution table

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$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	464.931	.000	.000	.000%	.000%
5.0	462.402	11.086	11.086	.920%	.920%
10.0	455.168	32.824	43.910	2.724%	3.644%
15.0	443.379	53.301	97.212	4.423%	8.067%
20.0	427.238	71.751	168.963	5.954%	14.022%
25.0	405.917	87.383	256.345	7.252%	21.273%
30.0	380.775	99.557	355.902	8.262%	29.535%
35.0	352.111	107.923	463.825	8.956%	38.491%
40.0	320.565	112.231	576.056	9.314%	47.805%
45.0	286.761	112.451	688.507	9.332%	57.137%
50.0	250.850	108.632	797.139	9.015%	66.152%
55.0	213.551	100.976	898.115	8.380%	74.531%
60.0	175.423	89.910	988.026	7.461%	81.992%
65.0	136.915	75.930	1063.956	6.301%	88.294%
70.0	98.705	59.661	1123.616	4.951%	93.245%
75.0	62.740	42.199	1165.815	3.502%	96.747%
80.0	29.466	24.672	1190.487	2.047%	98.794%
85.0	7.723	10.105	1200.592	.839%	99.633%
90.0	.340	2.208	1202.800	.183%	99.816%
95.0	.136	.130	1202.931	.011%	99.827%
100.0	.123	.070	1203.001	.006%	99.832%
105.0	.163	.076	1203.077	.006%	99.839%
110.0	.218	.100	1203.177	.008%	99.847%
115.0	.258	.121	1203.297	.010%	99.857%
120.0	.313	.139	1203.436	.012%	99.869%
125.0	.367	.157	1203.594	.013%	99.882%
130.0	.395	.166	1203.759	.014%	99.895%
135.0	.462	.173	1203.932	.014%	99.910%
140.0	.462	.171	1204.104	.014%	99.924%
145.0	.612	.179	1204.283	.015%	99.939%
150.0	.598	.178	1204.461	.015%	99.954%
155.0	.639	.157	1204.618	.013%	99.967%
160.0	.734	.144	1204.762	.012%	99.979%
165.0	.666	.115	1204.877	.010%	99.988%
170.0	.680	.080	1204.957	.007%	99.995%
175.0	.734	.051	1205.008	.004%	99.999%
180.0	.598	.016	1205.024	.001%	100.000%

Equipment: GMS-3000  
Temperature( $^{\circ}\text{C}$ ): 25

Date:  
Humidity(%): 58%

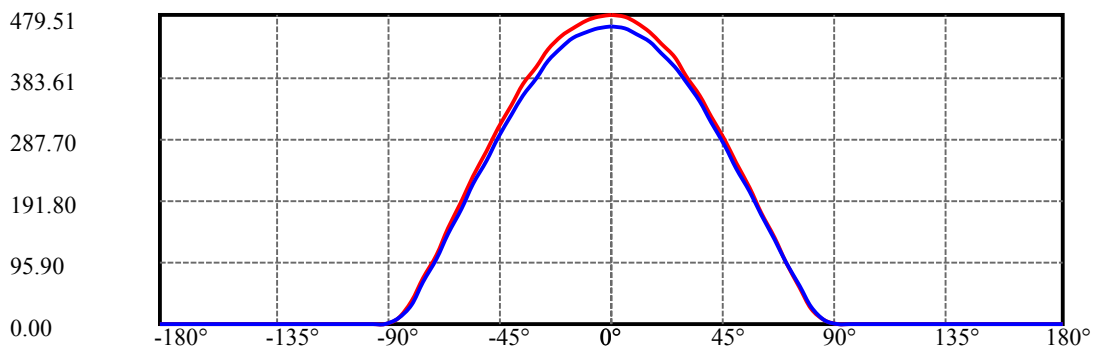
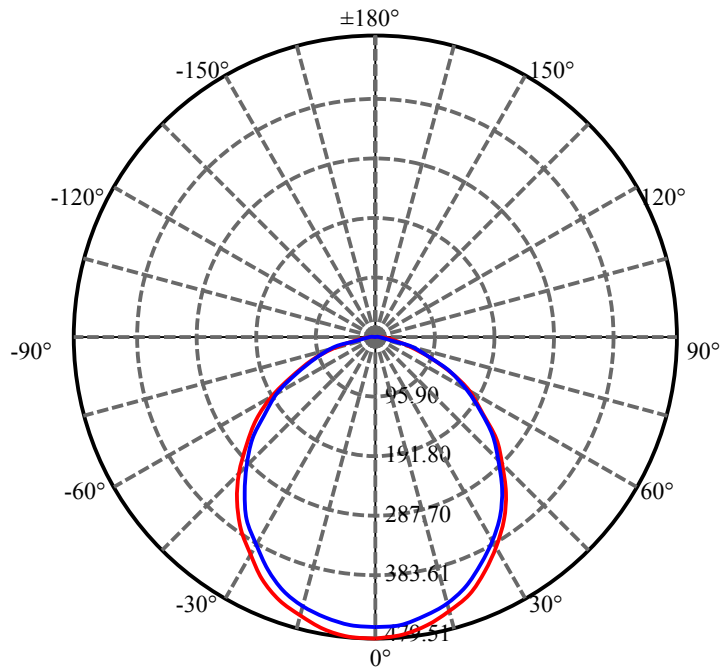
Operator: Zac

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	355.90	29.53%	29.53%
0-40	576.06	47.80%	47.80%
0-60	988.03	81.99%	81.99%
0-90	1202.80	99.82%	99.82%
0-120	1203.44	99.87%	99.87%
0-180	1205.02	100.00%	100.00%
60-90	304.69	25.28%	25.28%
90-120	2.84	0.24%	0.24%
90-130	3.17	0.26%	0.26%
90-150	3.87	0.32%	0.32%
90-180	4.42	0.37%	0.37%
0-58.66	964.02	80.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	43.91
10-20	125.05
20-30	186.94
30-40	220.15
40-50	221.08
50-60	190.89
60-70	135.59
70-80	66.87
80-90	12.31
90-100	0.20
100-110	0.18
110-120	0.26
120-130	0.32
130-140	0.34
140-150	0.36
150-160	0.30
160-170	0.20
170-180	0.05

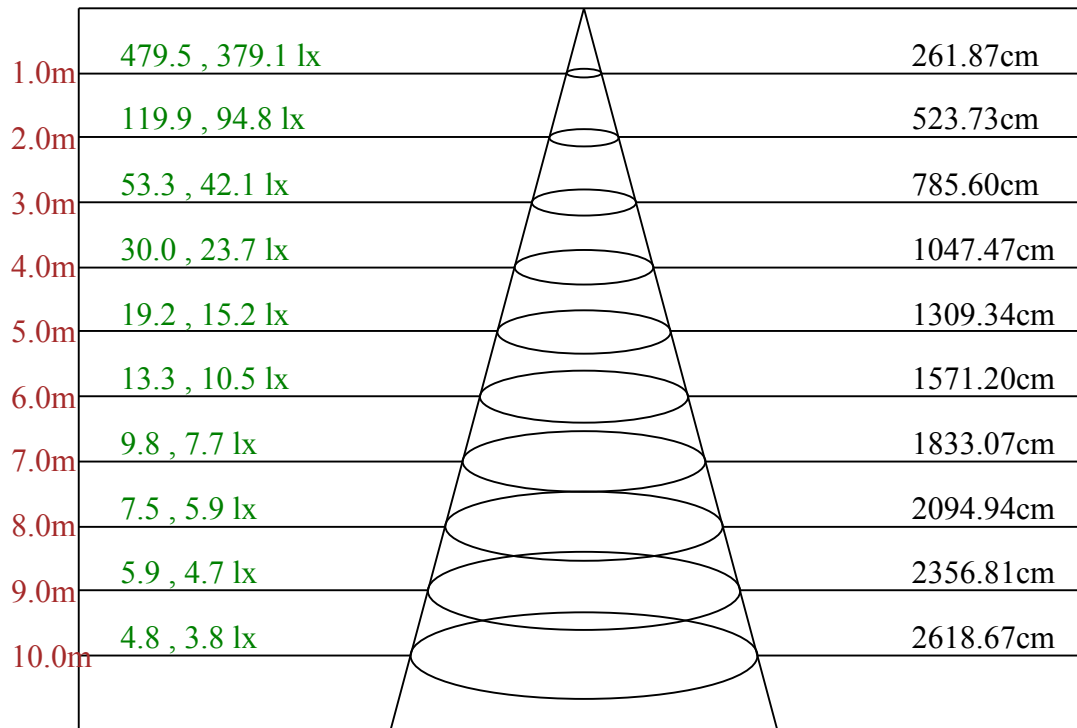


C0/C180: —

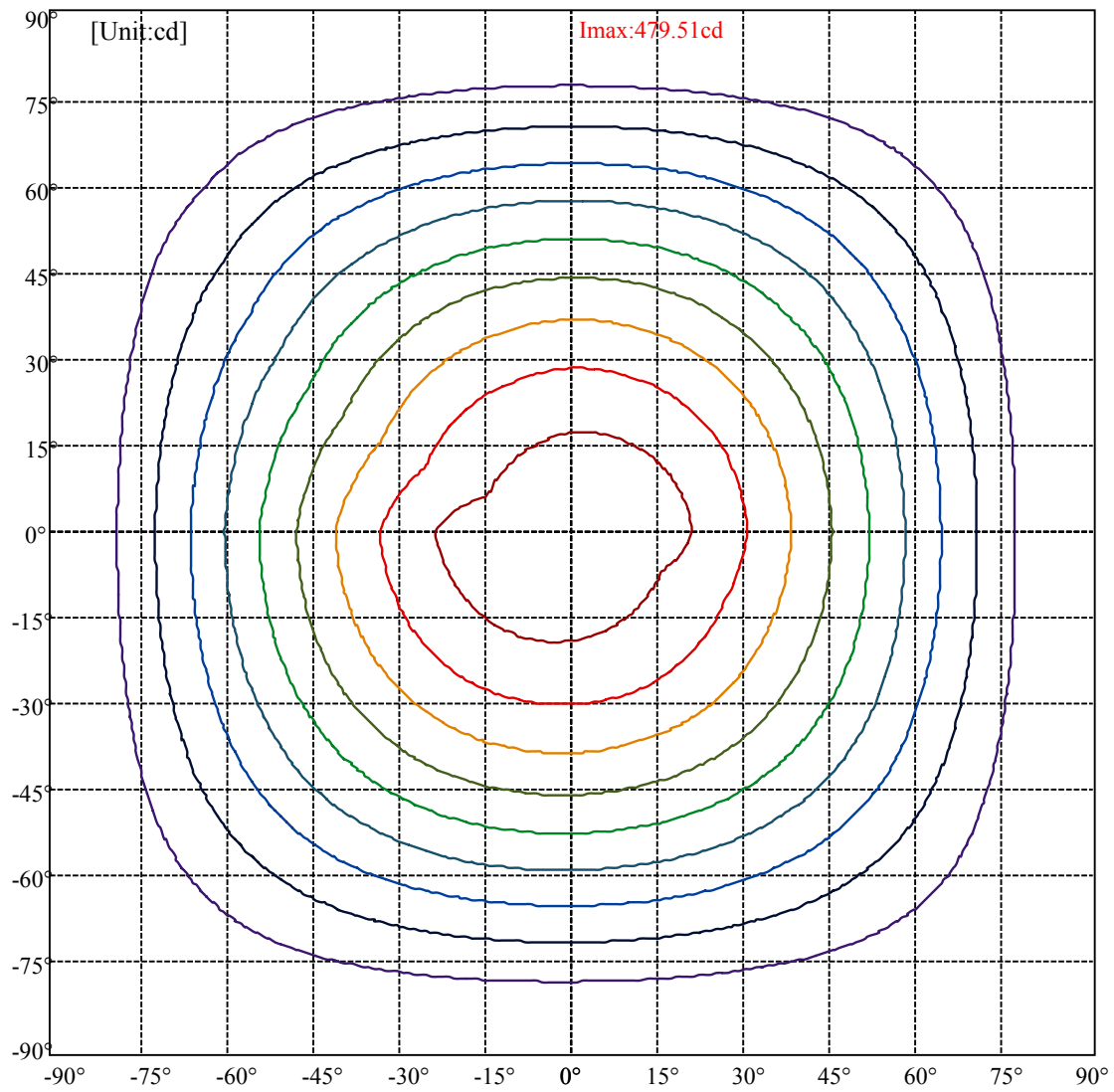
C90/C270: —

Field angle(10%Imax):C0/180Left:78.2 Right:76.4  
 :C90/270Left:77.8 Right:77.1

Beam Angle(50%Imax):C0/180Left:53.7 Right:51.3  
 :C90/270Left:53.2 Right:51.6



Max , Ave      Beam angle of C0plane105.19



(10%Imax) 47.9203	—
(20%Imax) 95.8407	—
(30%Imax) 143.761	—
(40%Imax) 191.681	—
(50%Imax) 239.602	—
(60%Imax) 287.522	—
(70%Imax) 335.442	—
(80%Imax) 383.363	—
(90%Imax) 431.283	—

## Intensity data(cd)

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C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	479.51	475.16	466.45	453.62	435.13	412.72	385.09	354.85	321.78
22.5	472.55	469.07	460.58	448.18	430.77	407.28	381.61	350.71	318.73
45.0	468.20	464.71	456.23	443.61	426.64	404.23	377.69	348.54	315.25
67.5	464.28	461.67	453.40	440.35	424.03	401.84	375.30	345.92	314.81
90.0	461.67	458.62	450.57	438.17	421.42	399.23	373.99	345.49	313.29
112.5	459.71	456.23	447.09	434.69	418.59	396.40	370.73	342.01	311.33
135.0	457.32	452.97	446.66	433.82	417.07	395.75	370.07	341.14	308.94
157.5	456.23	452.75	444.92	433.17	415.98	394.44	370.07	340.70	309.16
180.0	479.51	477.99	471.24	459.71	445.35	424.90	399.66	372.25	339.83
202.5	472.55	471.46	464.93	454.27	439.04	419.03	394.44	365.94	334.18
225.0	468.20	466.67	460.36	450.14	434.26	413.80	389.65	362.24	329.83
247.5	464.28	462.54	456.66	445.79	430.99	410.54	385.52	356.80	327.21
270.0	461.67	460.15	453.84	442.96	427.51	407.06	381.61	354.85	323.95
292.5	459.71	457.75	452.10	440.56	424.25	404.45	380.95	352.23	320.69
315.0	457.32	455.58	448.61	437.95	422.72	402.27	378.12	350.49	320.69
337.5	456.23	455.14	449.05	437.08	422.07	400.75	377.91	349.62	319.38
360.0	479.51	475.16	466.45	453.62	435.13	412.72	385.09	354.85	321.78
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	286.97	249.76	210.60	172.09	133.80	94.86	57.44	24.59	6.31
22.5	283.27	247.15	209.08	170.57	132.50	93.99	58.52	25.46	6.31
45.0	281.74	244.76	208.64	170.79	132.28	94.42	59.40	26.54	6.96
67.5	281.09	244.32	206.68	171.00	132.71	95.08	59.18	26.54	7.18
90.0	278.26	242.37	206.68	169.48	132.06	94.42	60.05	27.41	7.18
112.5	277.83	242.15	205.60	169.26	131.84	93.55	59.18	27.85	7.40
135.0	277.39	242.15	204.94	167.96	131.84	94.64	59.40	26.98	7.40
157.5	275.87	241.28	205.16	167.96	130.10	94.86	59.18	26.54	7.18
180.0	305.02	267.38	230.18	189.50	148.81	108.35	71.14	35.25	9.14
202.5	299.80	264.34	225.61	185.80	145.55	106.82	68.75	34.16	8.92
225.0	296.76	260.64	222.13	182.75	143.81	104.43	67.23	33.72	8.70
247.5	292.84	256.72	219.96	181.23	140.98	102.25	66.57	31.76	8.70
270.0	290.23	254.11	217.35	178.62	139.24	101.60	64.83	31.11	8.05
292.5	287.40	253.03	215.39	176.66	139.24	100.08	63.96	30.89	8.27
315.0	287.84	251.72	214.30	176.88	137.94	100.08	64.62	31.33	8.05
337.5	285.88	251.72	214.52	176.23	137.94	99.86	64.40	31.33	7.83
360.0	286.97	249.76	210.60	172.09	133.80	94.86	57.44	24.59	6.31
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22
22.5	0.00	0.22	0.22	0.22	0.22	0.44	0.44	0.22	0.22
45.0	0.22	0.22	0.00	0.22	0.22	0.44	0.44	0.87	0.44
67.5	0.44	0.22	0.44	0.44	0.44	0.65	0.65	0.44	0.65
90.0	0.44	0.22	0.22	0.22	0.44	0.44	0.65	0.87	0.65
112.5	0.22	0.22	0.22	0.44	0.44	0.44	0.87	0.65	0.87
135.0	0.65	0.65	0.44	0.44	0.65	0.65	0.65	0.87	0.65
157.5	0.44	0.44	0.22	0.44	0.65	0.65	0.65	0.87	0.65
180.0	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22
247.5	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22
270.0	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.22
292.5	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.44
315.0	0.44	0.00	0.00	0.22	0.22	0.22	0.22	0.22	0.44
337.5	0.22	0.00	0.22	0.00	0.22	0.22	0.44	0.44	0.44
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22

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**Intensity data(cd)**

<b>C/γ(°)</b>	<b>135.0</b>	<b>140.0</b>	<b>145.0</b>	<b>150.0</b>	<b>155.0</b>	<b>160.0</b>	<b>165.0</b>	<b>170.0</b>	<b>175.0</b>
<b>0.0</b>	<b>0.22</b>	<b>0.00</b>	<b>0.22</b>	<b>0.00</b>	<b>0.44</b>	<b>0.22</b>	<b>0.22</b>	<b>0.22</b>	<b>0.00</b>
<b>22.5</b>	<b>0.22</b>	<b>0.44</b>	<b>0.44</b>	<b>0.65</b>	<b>0.65</b>	<b>0.65</b>	<b>0.65</b>	<b>0.65</b>	<b>0.65</b>
<b>45.0</b>	<b>0.87</b>	<b>0.65</b>	<b>1.09</b>	<b>0.87</b>	<b>0.87</b>	<b>0.65</b>	<b>0.65</b>	<b>0.65</b>	<b>0.87</b>
<b>67.5</b>	<b>0.65</b>	<b>0.65</b>	<b>0.44</b>	<b>0.65</b>	<b>0.44</b>	<b>0.87</b>	<b>0.65</b>	<b>0.65</b>	<b>0.87</b>
<b>90.0</b>	<b>0.44</b>	<b>0.65</b>	<b>0.87</b>	<b>0.65</b>	<b>0.65</b>	<b>0.87</b>	<b>0.87</b>	<b>0.65</b>	<b>0.65</b>
<b>112.5</b>	<b>0.65</b>	<b>0.65</b>	<b>0.65</b>	<b>0.87</b>	<b>0.87</b>	<b>1.09</b>	<b>0.65</b>	<b>1.09</b>	<b>1.09</b>
<b>135.0</b>	<b>0.87</b>	<b>0.87</b>	<b>0.87</b>	<b>0.87</b>	<b>0.87</b>	<b>0.87</b>	<b>1.09</b>	<b>0.87</b>	<b>1.09</b>
<b>157.5</b>	<b>0.87</b>	<b>0.87</b>	<b>0.87</b>	<b>0.87</b>	<b>1.09</b>	<b>1.09</b>	<b>0.87</b>	<b>0.87</b>	<b>1.09</b>
<b>180.0</b>	<b>0.00</b>	<b>0.00</b>	<b>0.22</b>	<b>0.22</b>	<b>0.22</b>	<b>0.44</b>	<b>0.44</b>	<b>0.44</b>	<b>0.44</b>
<b>202.5</b>	<b>0.00</b>	<b>0.22</b>	<b>0.44</b>	<b>0.44</b>	<b>0.44</b>	<b>0.44</b>	<b>0.44</b>	<b>0.44</b>	<b>0.65</b>
<b>225.0</b>	<b>0.44</b>	<b>0.00</b>	<b>0.65</b>	<b>0.44</b>	<b>0.44</b>	<b>0.87</b>	<b>0.65</b>	<b>0.65</b>	<b>0.87</b>
<b>247.5</b>	<b>0.44</b>	<b>0.44</b>	<b>0.22</b>	<b>0.44</b>	<b>0.65</b>	<b>0.65</b>	<b>0.87</b>	<b>0.44</b>	<b>0.65</b>
<b>270.0</b>	<b>0.44</b>	<b>0.65</b>	<b>0.65</b>	<b>0.65</b>	<b>0.65</b>	<b>0.87</b>	<b>0.65</b>	<b>0.65</b>	<b>0.65</b>
<b>292.5</b>	<b>0.22</b>	<b>0.44</b>	<b>0.65</b>	<b>0.65</b>	<b>0.65</b>	<b>0.87</b>	<b>0.65</b>	<b>0.65</b>	<b>0.65</b>
<b>315.0</b>	<b>0.44</b>	<b>0.44</b>	<b>0.87</b>	<b>0.65</b>	<b>0.87</b>	<b>0.65</b>	<b>0.65</b>	<b>1.09</b>	<b>0.65</b>
<b>337.5</b>	<b>0.65</b>	<b>0.44</b>	<b>0.65</b>	<b>0.65</b>	<b>0.44</b>	<b>0.65</b>	<b>0.65</b>	<b>0.87</b>	<b>0.87</b>
<b>360.0</b>	<b>0.22</b>	<b>0.00</b>	<b>0.22</b>	<b>0.00</b>	<b>0.44</b>	<b>0.22</b>	<b>0.22</b>	<b>0.22</b>	<b>0.00</b>
<b>C/γ(°)</b>	<b>180.0</b>								
<b>0.0</b>	<b>0.00</b>								
<b>22.5</b>	<b>0.44</b>								
<b>45.0</b>	<b>0.65</b>								
<b>67.5</b>	<b>0.65</b>								
<b>90.0</b>	<b>0.87</b>								
<b>112.5</b>	<b>0.87</b>								
<b>135.0</b>	<b>0.65</b>								
<b>157.5</b>	<b>0.65</b>								
<b>180.0</b>	<b>0.00</b>								
<b>202.5</b>	<b>0.44</b>								
<b>225.0</b>	<b>0.65</b>								
<b>247.5</b>	<b>0.65</b>								
<b>270.0</b>	<b>0.87</b>								
<b>292.5</b>	<b>0.87</b>								
<b>315.0</b>	<b>0.65</b>								
<b>337.5</b>	<b>0.65</b>								
<b>360.0</b>	<b>0.00</b>								