

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: EPHESUS

Report Number: P701628 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-80-1S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701628 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-40-80-1S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

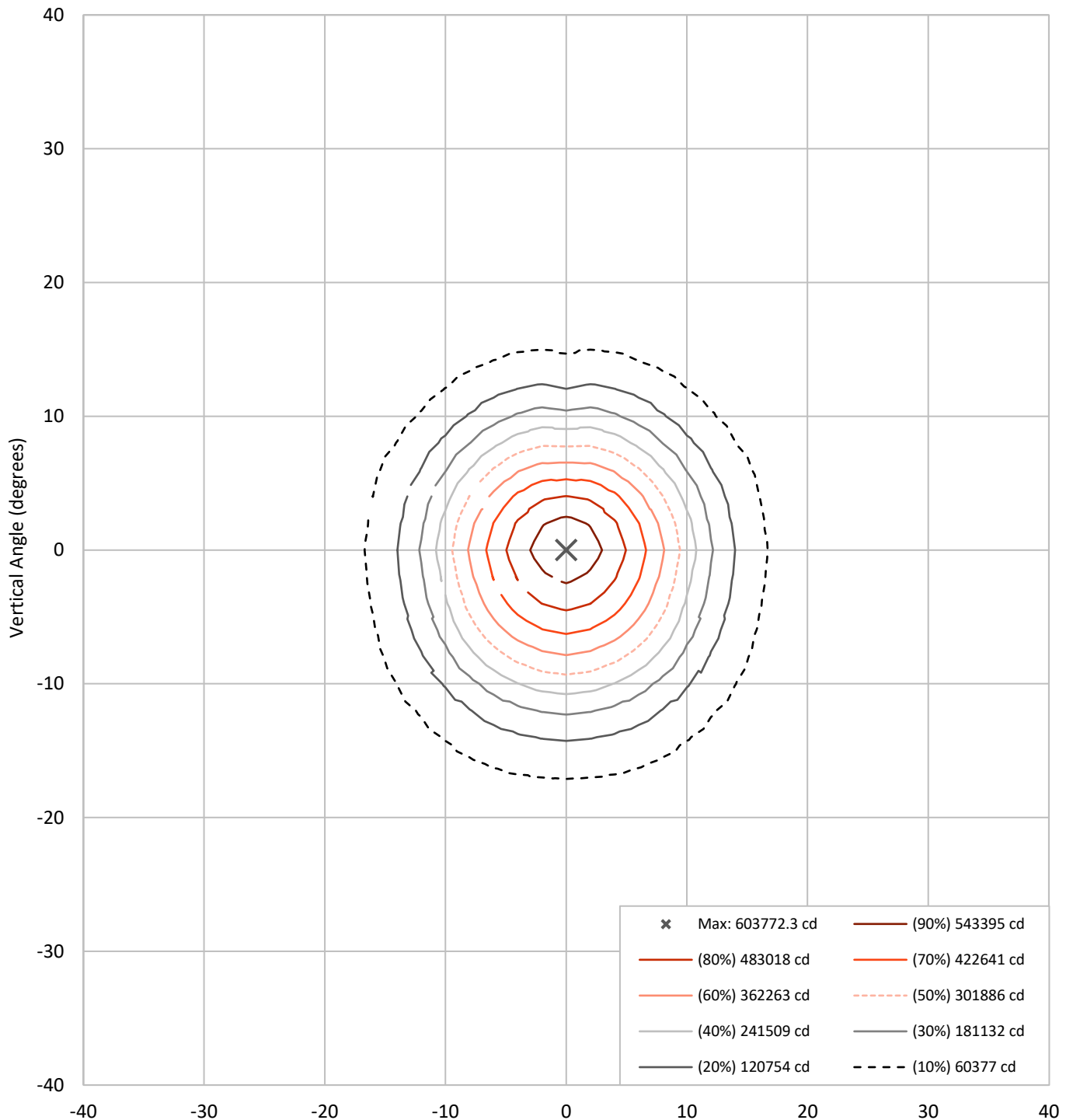
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	69609.7 lumens	Max Intensity:	603772.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	96.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 17.1°V	Field Angle (10%):	33.2°H x 31.5°V
Beam Lumens:	32063.9 lumens	Field Lumens:	58938.3 lumens
Beam Efficiency:	46.1%	Field Efficiency:	84.7%

Input Watts (W): 724.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





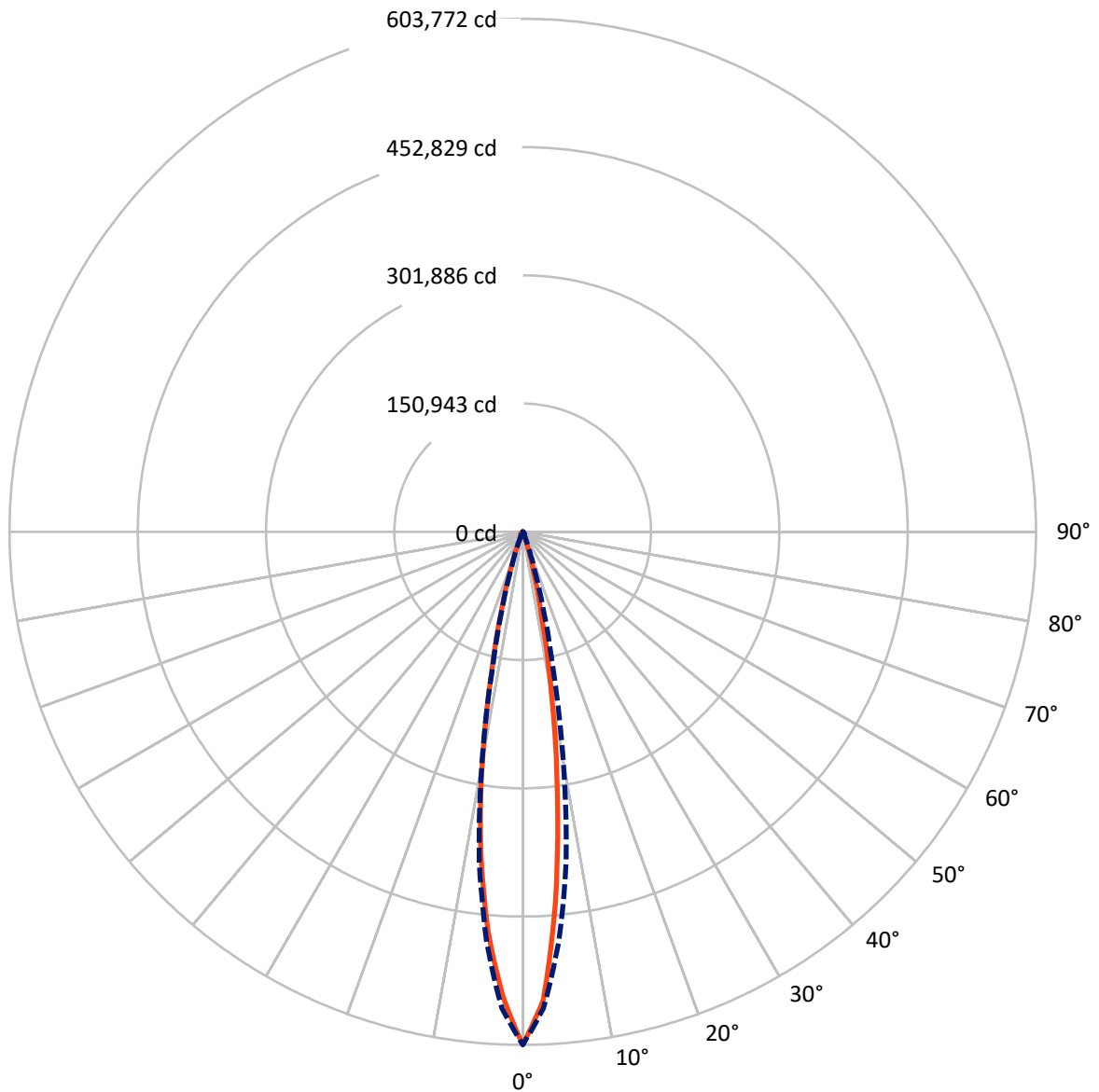
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Lumen Table

90	0.2	0.4	0.5	0.5	0.6	0.5	0.5	0.4	0.2								
80	0.2	0.4	0.5	0.5	0.6	0.5	0.5	0.4	0.2								
70	0.2	0.1	0.2	0.5	0.6	0.4	0.3	0.2	0.2	0.3	0.4	0.6	0.5	0.2	0.1	0.2	
60		0.1	0.3	0.6	0.4	0.3	0.2	0.3	0.3	0.2	0.3	0.4	0.6	0.3	0.1		
50	0.2	0.2	0.4	0.4	0.6	0.8	1.0	1.2	1.2	1.0	0.8	0.6	0.4	0.4	0.2	0.2	
40		0.2	0.8	1.5	3.4	5.3	5.6	6.4	6.4	5.6	5.3	3.4	1.5	0.8	0.2		
30	0.2	0.4	2.4	8.5	22.5	27.4	36.1	67.4	67.4	36.1	27.4	22.5	8.5	2.4	0.4	0.2	
20		0.8	5.4	22.0	47.9	67.3	459.7	1848.5	1848.5	459.7	67.3	47.9	22.0	5.4	0.8		
10	0.3	1.6	9.2	42.4	72.3	167.6	2401.8	10365.1	10365.1	2401.8	167.6	72.3	42.4	9.2	1.6	0.3	
0		2.6	12.2	50.0	83.6	166.4	2605.7	11093.5	11093.5	2605.7	166.4	83.6	50.0	12.2	2.6		
-10	0.5	3.0	12.6	46.9	89.0	104.5	755.8	2861.9	2861.9	755.8	104.5	89.0	46.9	12.6	3.0	0.5	
-20		2.8	10.9	26.0	67.9	84.2	102.6	189.8	189.8	102.6	84.2	67.9	26.0	10.9	2.8		
-30	0.4	2.4	8.2	15.2	37.8	71.7	85.7	88.9	88.9	85.7	71.7	37.8	15.2	8.2	2.4	0.4	
-40		1.5	5.7	12.0	19.3	35.1	64.1	88.5	88.5	64.1	35.1	19.3	12.0	5.7	1.5		
-50	0.3	0.7	3.2	8.1	14.8	21.1	26.2	29.3	29.3	26.2	21.1	14.8	8.1	3.2	0.7	0.3	
-60		0.3	1.1	3.7	7.9	12.8	18.0	21.2	21.2	18.0	12.8	7.9	3.7	1.1	0.3		
-70																	
-80	0.2	0.9	2.9	7.0	10.3	7.0	2.9	0.9	0.2								
-90																	

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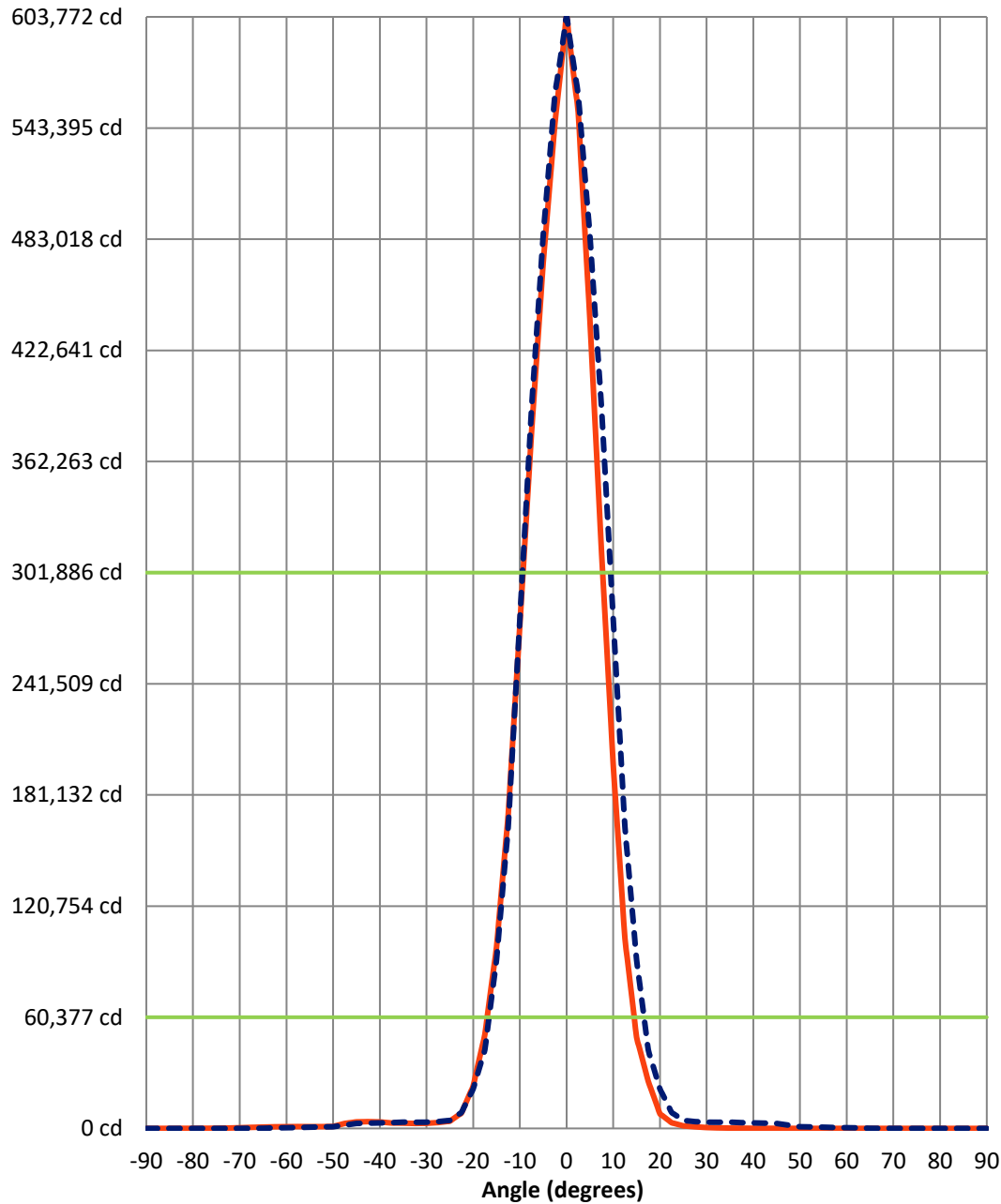
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 18.9°
 V Angle: 17.1°
 Lumens: 32063.9
 Efficiency: 46.1%

Field:
 H Angle: 33.2°
 V Angle: 31.5°
 Lumens: 58938.3
 Efficiency: 84.7%

Spill:
 Lumens: 10671.5
 Efficiency: 15.3%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.8	8.2	8.5	8.9
87.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.0	6.7	6.3	5.9
85°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.0	6.7	6.3	5.9
82.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.0	6.7	6.5	6.3
80°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.1	6.9	6.9	6.9
77.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.2	7.2	7.3	7.4
75°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.3	7.4	7.4	7.4
72.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
70°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.5
67.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.6	7.6
65°	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.4	7.7	7.9	7.7
62.5°	7.4	7.4	7.4	7.4	7.4	7.6	7.6	7.7	8.1	8.1	7.8
60°	7.4	7.4	7.4	7.4	7.4	7.7	7.7	8.1	8.5	8.2	7.9
57.5°	7.4	7.4	7.4	7.4	7.5	7.8	8.0	8.5	8.6	8.3	7.9
55°	7.4	7.4	7.4	7.4	7.7	8.0	8.3	8.9	8.7	8.3	8.0
52.5°	7.4	7.4	7.4	7.4	7.9	8.2	8.5	8.9	8.7	8.4	8.1
50°	7.4	7.4	7.4	7.4	8.0	8.3	8.7	8.9	8.8	8.5	9.1
47.5°	7.4	7.4	7.4	7.4	8.2	8.5	8.9	8.9	8.9	8.6	10.0
45°	7.4	7.4	7.4	7.6	8.4	8.6	8.9	8.9	9.0	9.2	10.8
42.5°	7.4	7.4	7.4	7.7	8.6	8.7	8.9	9.0	9.0	9.7	11.7
40°	7.4	7.4	7.4	7.8	8.7	8.8	8.9	9.1	9.3	10.1	12.5
37.5°	7.4	7.4	7.4	8.0	8.8	8.9	8.9	9.2	9.7	10.8	13.2
35°	7.4	7.4	7.4	8.1	8.8	8.9	8.9	9.4	10.1	11.8	13.6
32.5°	7.4	7.4	7.4	8.2	8.9	8.9	8.9	9.6	10.5	13.1	15.3
30°	7.4	7.4	7.4	8.3	8.9	8.9	9.1	9.9	10.9	14.5	17.3
27.5°	7.4	7.4	7.4	8.4	8.9	8.9	9.3	10.2	11.6	16.1	19.5
25°	7.4	7.4	7.4	8.5	8.9	8.9	9.4	10.5	12.8	17.9	22.1
22.5°	7.4	7.4	7.4	8.6	8.9	8.9	9.6	10.8	14.1	19.9	26.0
20°	7.4	7.4	7.4	8.6	8.9	9.0	9.8	11.1	15.4	22.0	29.7
17.5°	7.4	7.4	7.4	8.7	8.9	9.2	10.1	11.3	16.7	24.2	33.3
15°	7.4	7.4	7.4	8.7	8.9	9.3	10.4	11.7	18.1	26.4	36.7
12.5°	7.4	7.4	7.4	8.8	8.9	9.5	10.7	12.2	19.4	28.6	39.9
10°	7.4	7.4	7.4	8.8	8.9	9.7	11.0	12.8	20.8	31.3	44.6
7.5°	7.4	7.4	7.4	8.9	8.9	9.9	11.2	13.3	22.1	34.0	53.0
5°	7.4	7.4	7.4	8.9	8.9	10.0	11.5	13.8	23.3	36.7	61.7
2.5°	7.4	7.4	7.4	8.9	8.9	10.2	11.7	14.3	24.3	39.2	70.3
0°	7.4	7.4	7.4	8.9	8.9	10.4	11.9	14.8	25.2	41.5	78.6
-2.5°	7.4	7.4	7.5	8.9	9.0	10.6	12.7	17.8	31.8	53.9	99.6
-5°	7.4	7.4	7.5	8.9	9.2	10.7	13.4	20.7	38.1	65.7	119.3
-7.5°	7.4	7.4	7.6	8.9	9.3	10.8	14.1	23.3	43.9	76.6	137.3
-10°	7.4	7.4	7.7	8.8	9.4	10.9	14.7	25.7	49.1	86.4	153.1
-12.5°	7.4	7.4	7.7	8.8	9.5	11.0	15.2	27.6	53.4	95.0	165.4
-15°	7.4	7.4	7.8	8.8	9.6	11.1	15.5	29.0	58.1	104.0	175.1
-17.5°	7.4	7.4	7.8	8.8	9.6	11.2	15.8	31.2	63.5	111.5	182.4
-20°	7.4	7.4	7.9	8.8	9.7	11.2	16.3	33.7	67.6	117.3	187.2



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.4	7.4	7.9	8.8	9.7	11.3	17.3	35.3	70.2	121.3	189.4
-25°	7.4	7.4	7.9	8.7	9.7	11.6	17.8	35.9	71.3	123.4	188.8
-27.5°	7.4	7.4	7.9	8.7	9.7	11.9	18.0	35.3	70.7	124.0	190.4
-30°	7.4	7.4	7.9	8.8	9.6	12.1	17.6	33.7	69.6	123.1	189.7
-32.5°	7.4	7.4	8.0	8.8	9.7	12.3	16.7	32.8	67.7	119.9	186.3
-35°	7.4	7.4	7.9	8.8	9.7	12.3	16.5	31.8	64.1	114.4	180.2
-37.5°	7.4	7.4	7.9	8.8	9.7	12.3	16.5	30.0	58.7	106.3	164.2
-40°	7.4	7.4	7.9	8.9	9.7	12.3	16.4	27.4	51.6	98.0	147.1
-42.5°	7.4	7.4	7.9	8.9	9.7	12.2	16.1	24.0	46.3	85.2	128.7
-45°	7.4	7.4	7.8	9.0	9.7	12.0	15.7	21.4	41.4	71.0	109.7
-47.5°	7.4	7.4	7.8	9.0	9.7	11.8	15.1	20.7	35.4	56.2	92.9
-50°	7.4	7.4	7.7	8.9	9.7	11.5	14.7	19.8	27.9	47.6	75.3
-52.5°	7.4	7.4	7.7	8.8	9.7	11.2	14.2	18.6	24.3	38.5	57.7
-55°	7.4	7.4	7.6	8.6	9.7	11.0	13.7	17.3	22.4	29.1	47.1
-57.5°	7.4	7.4	7.5	8.5	9.6	10.8	13.1	16.5	20.5	25.2	36.0
-60°	7.4	7.4	7.4	8.4	9.4	10.6	12.4	15.5	18.6	23.0	27.4
-62.5°	7.4	7.4	7.4	8.2	9.2	10.3	12.0	14.4	17.4	20.6	24.8
-65°	7.4	7.4	7.4	8.1	9.0	10.0	11.5	13.5	16.2	19.0	22.1
-67.5°	7.4	7.4	7.4	7.9	8.8	9.7	10.9	12.8	15.0	17.6	20.2
-70°	7.4	7.4	7.4	7.7	8.6	9.5	10.4	12.0	13.9	16.2	18.6
-72.5°	7.4	7.4	7.4	7.7	8.4	9.2	10.0	11.1	12.9	14.8	17.0
-75°	7.4	7.4	7.4	7.7	8.1	8.9	9.6	10.6	11.8	13.5	15.3
-77.5°	7.4	7.4	7.4	7.6	8.0	8.6	9.3	10.1	11.1	12.2	13.6
-80°	7.4	7.4	7.4	7.6	7.9	8.3	8.9	9.6	10.4	11.3	12.3
-82.5°	7.4	7.4	7.4	7.5	7.8	8.1	8.5	9.1	9.7	10.4	11.1
-85°	7.4	7.4	7.4	7.5	7.7	7.9	8.2	8.7	9.2	9.7	10.2
-87.5°	7.4	7.4	7.4	7.4	7.5	7.6	7.8	8.2	8.7	9.1	9.5
-90°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.0	6.7	6.3	5.9



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
87.5°	5.9	5.9	5.9	5.9	5.5	5.2	4.8	4.4	4.4	4.4	4.4
85°	5.9	5.9	5.9	5.9	5.5	5.2	4.8	4.4	4.4	4.4	4.4
82.5°	6.3	6.3	6.1	5.9	5.6	5.2	4.8	4.6	4.6	4.6	4.6
80°	6.9	6.7	6.3	6.0	5.7	5.6	5.6	5.6	5.5	5.2	4.8
77.5°	7.1	6.7	6.4	6.0	5.9	6.1	6.1	6.0	5.6	5.3	4.9
75°	7.1	6.8	6.6	6.6	6.7	6.6	6.4	6.0	5.8	5.6	5.6
72.5°	7.2	7.1	7.1	7.4	7.2	6.8	6.5	6.1	6.4	7.2	7.8
70°	7.3	7.4	7.4	7.4	7.3	7.0	7.4	8.4	9.6	11.2	13.8
67.5°	7.4	7.4	7.4	7.4	7.4	7.9	9.0	14.5	21.0	23.8	24.9
65°	7.4	7.4	7.4	7.4	7.4	11.5	17.6	25.2	33.1	34.5	33.6
62.5°	7.4	7.4	7.4	8.5	11.9	17.5	24.6	32.7	42.0	42.3	37.0
60°	7.5	7.4	8.9	12.2	16.3	21.7	29.8	36.4	43.2	46.3	35.4
57.5°	7.6	8.6	11.6	15.6	19.9	24.1	28.8	35.2	38.5	39.0	28.7
55°	8.2	10.5	14.2	18.6	22.0	21.8	25.4	28.2	29.3	27.8	19.8
52.5°	9.8	12.4	16.6	20.8	22.2	20.5	19.8	21.6	20.8	17.9	14.6
50°	11.1	14.5	18.9	22.4	22.1	18.9	16.0	16.9	16.1	14.1	11.9
47.5°	12.6	16.4	21.6	23.9	21.2	19.0	16.3	15.5	14.7	15.1	13.4
45°	14.0	18.3	24.0	23.5	21.8	20.9	18.9	16.2	18.8	19.3	18.8
42.5°	15.1	19.9	23.9	23.5	24.7	24.2	22.4	23.6	25.0	26.2	26.8
40°	16.2	21.1	24.3	27.9	28.5	28.3	30.7	32.8	33.0	35.2	36.9
37.5°	16.9	22.3	27.3	35.6	32.9	35.5	40.3	44.6	47.0	45.2	50.5
35°	17.3	24.3	37.0	45.7	43.2	45.4	53.0	61.4	69.7	64.9	74.2
32.5°	18.7	27.0	49.4	57.1	65.5	66.0	67.3	90.6	108.3	116.3	120.7
30°	22.0	38.3	63.2	70.5	96.8	102.3	101.4	130.2	163.0	241.0	300.8
27.5°	26.6	52.2	75.9	98.0	135.4	145.0	158.8	192.0	292.5	440.9	608.9
25°	31.1	70.1	89.8	135.3	176.9	196.7	220.5	270.5	473.8	806.5	928.3
22.5°	40.7	90.2	112.3	177.7	222.8	249.9	293.0	415.2	696.0	1207.2	1240.0
20°	56.2	108.9	145.3	217.9	272.9	302.7	365.4	565.3	943.0	1315.5	1460.4
17.5°	72.5	129.7	181.3	258.5	327.1	369.4	446.6	708.0	1135.4	1455.6	1626.5
15°	89.3	152.0	214.5	303.3	386.3	453.1	607.2	900.9	1268.9	1621.2	1866.9
12.5°	106.1	175.3	245.0	351.0	449.8	536.7	801.4	1219.6	1560.4	1843.7	2168.2
10°	122.5	199.1	272.9	400.4	516.1	619.4	1015.1	1562.9	1898.8	2148.7	2433.1
7.5°	162.4	235.7	303.8	449.7	583.4	700.3	1238.3	1918.5	2206.2	2409.8	2624.0
5°	207.4	284.6	363.4	523.2	656.6	777.6	1455.5	2271.8	2488.5	2636.2	2769.4
2.5°	251.9	331.7	421.5	596.3	729.7	848.8	1638.9	2501.9	2687.6	2828.0	2934.3
0°	293.7	376.8	477.6	664.5	798.0	915.2	1796.3	2696.6	2864.2	3005.1	3132.7
-2.5°	317.1	413.3	519.6	690.5	805.8	919.3	1673.7	2630.2	2880.4	3068.3	3258.7
-5°	335.4	446.9	558.6	712.4	811.2	919.7	1530.1	2515.6	2899.6	3133.3	3365.9
-7.5°	348.5	476.9	594.1	730.3	817.9	923.3	1522.3	2556.2	3015.4	3227.1	3455.4
-10°	354.1	488.1	601.3	734.0	825.8	927.3	1503.4	2537.4	3126.9	3324.8	3529.7
-12.5°	343.1	482.7	599.3	732.8	832.4	927.0	1426.4	2452.5	3238.2	3431.8	3566.2
-15°	330.3	474.8	592.2	726.6	838.0	922.2	1283.6	2297.5	3258.4	3382.5	3515.0
-17.5°	316.6	464.7	579.5	715.2	842.9	913.1	1057.8	1906.2	2922.5	3220.5	3431.2
-20°	302.8	452.3	560.9	698.5	843.5	882.4	956.2	1529.9	2386.3	2987.4	3265.1



REPORT NUMBER: P701628 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	289.5	437.9	539.8	676.0	787.7	836.4	890.3	1180.8	1826.7	2687.5	2971.6
-25°	283.5	415.8	520.5	629.0	730.5	788.2	819.2	898.7	1366.7	2121.4	2646.0
-27.5°	281.3	396.7	491.5	583.6	681.1	736.0	760.2	818.8	1072.6	1575.7	2284.4
-30°	275.6	367.6	461.0	542.5	632.1	685.3	705.1	756.7	843.5	1208.1	1722.0
-32.5°	259.1	337.4	427.2	507.3	585.2	646.5	673.0	719.9	782.4	893.7	1262.5
-35°	238.5	311.7	392.1	470.8	542.5	609.3	655.8	689.8	732.3	788.5	969.5
-37.5°	220.2	284.9	356.7	432.8	501.8	570.5	636.5	667.5	700.9	743.7	819.6
-40°	200.2	256.9	324.8	394.2	461.7	528.6	592.7	648.5	675.0	719.3	771.4
-42.5°	178.7	233.0	293.1	355.5	420.0	483.2	546.5	605.9	663.2	698.2	739.9
-45°	157.0	207.4	261.3	319.6	377.2	436.4	495.7	556.8	627.5	688.7	719.2
-47.5°	134.0	180.6	231.3	283.0	336.2	389.7	443.7	509.5	580.1	646.4	710.5
-50°	111.0	153.9	200.5	249.1	296.6	344.6	393.7	462.5	530.7	595.2	656.6
-52.5°	90.5	125.9	170.0	216.1	259.6	302.3	352.8	415.5	480.6	544.3	602.6
-55°	69.0	101.3	138.0	181.3	224.7	263.5	312.4	369.6	428.5	489.8	547.0
-57.5°	53.2	76.9	108.4	144.0	185.5	228.6	275.7	323.5	377.1	432.7	483.3
-60°	40.4	56.7	80.1	110.1	142.6	185.2	236.4	283.7	328.8	373.1	420.5
-62.5°	29.0	42.0	57.5	77.5	105.5	138.6	181.8	230.4	282.7	321.2	358.5
-65°	26.1	30.0	40.6	54.9	69.7	96.9	129.5	165.9	209.9	249.0	289.0
-67.5°	23.0	26.7	30.2	35.8	48.9	63.4	78.7	107.7	139.7	166.8	195.0
-70°	21.0	23.4	26.6	29.9	33.2	39.7	52.6	66.0	79.2	94.4	117.2
-72.5°	18.9	20.9	23.3	25.9	28.9	32.2	35.8	39.6	47.3	57.2	66.5
-75°	16.8	18.3	20.1	22.1	24.4	27.0	29.8	32.9	35.6	38.0	40.5
-77.5°	14.7	15.8	17.0	18.3	19.8	21.7	23.7	26.0	28.0	29.9	31.7
-80°	12.8	13.3	14.1	15.0	16.2	17.4	18.5	19.7	20.7	22.0	23.5
-82.5°	11.3	11.5	11.7	12.1	12.9	13.7	14.5	15.5	16.1	16.8	17.4
-85°	10.0	9.7	9.6	9.6	10.2	10.9	11.5	12.2	12.5	12.7	13.0
-87.5°	9.4	9.3	9.1	8.9	9.1	9.4	9.7	10.0	10.0	10.0	10.1
-90°	5.9	5.9	5.9	5.9	5.5	5.2	4.8	4.4	4.4	4.4	4.4



REPORT NUMBER: P701628 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.9	9.3	9.7	10.0	10.4	11.1	11.8	12.6	13.3	18.9	24.4
87.5°	4.4	4.1	3.7	3.4	3.0	2.6	2.3	1.9	1.5	1.5	1.5
85°	4.4	4.1	3.7	3.4	3.0	2.6	2.3	1.9	1.5	1.5	1.5
82.5°	4.4	4.1	3.7	3.4	3.0	2.7	2.3	1.9	1.5	1.5	1.5
80°	4.5	4.1	3.8	3.4	3.0	2.9	2.8	2.8	2.8	2.5	2.2
77.5°	4.6	4.4	4.3	4.0	3.8	3.7	3.5	3.3	3.0	2.7	2.3
75°	5.8	5.8	5.6	5.2	4.6	4.1	3.8	3.4	3.1	3.0	2.9
72.5°	8.1	8.0	7.5	7.3	6.5	6.1	6.0	5.7	5.4	5.4	5.6
70°	15.2	15.5	14.8	13.4	11.4	10.0	9.4	8.5	7.4	7.3	7.8
67.5°	24.0	22.0	20.2	18.2	15.5	13.3	12.1	11.0	10.0	9.8	10.1
65°	30.2	23.9	20.5	18.0	16.1	14.3	12.9	11.5	10.1	9.3	9.1
62.5°	30.2	21.6	17.4	15.4	14.0	12.9	11.0	9.3	7.8	6.8	6.9
60°	26.0	17.7	13.1	11.4	10.0	8.9	8.0	7.1	6.4	5.9	6.0
57.5°	19.8	12.8	8.9	8.7	8.3	7.7	7.3	7.0	6.5	5.9	6.3
55°	13.8	10.7	9.0	9.1	9.3	9.1	8.6	7.9	7.3	6.9	7.1
52.5°	11.0	10.7	11.2	11.4	10.5	9.7	8.8	8.8	8.9	9.2	9.6
50°	11.7	12.2	12.4	11.7	11.2	10.8	10.3	10.8	11.4	12.0	12.5
47.5°	13.6	14.2	14.6	13.2	13.3	14.1	13.6	13.8	16.6	18.7	20.2
45°	17.8	20.0	20.3	20.6	20.3	22.3	23.5	24.6	30.2	32.4	32.3
42.5°	27.4	30.6	32.7	34.9	33.3	39.3	47.8	53.7	52.2	50.2	50.9
40°	41.3	47.4	55.9	60.6	65.7	72.4	74.9	64.9	63.3	71.4	72.2
37.5°	62.8	79.2	97.4	111.3	113.6	110.6	107.1	105.5	107.8	113.1	121.2
35°	103.3	141.8	158.6	167.3	172.7	156.5	150.3	156.2	151.1	166.0	171.2
32.5°	183.1	232.7	247.2	253.8	267.1	250.8	214.4	257.4	241.1	238.7	255.3
30°	290.3	359.5	419.1	423.4	413.9	411.3	432.1	437.8	418.3	418.2	483.4
27.5°	556.1	571.8	677.1	724.7	605.6	614.7	671.5	641.3	711.8	779.9	833.6
25°	880.6	893.7	1077.7	1049.5	923.4	959.3	992.6	986.0	1067.7	1149.6	1242.7
22.5°	1178.9	1232.3	1383.4	1344.4	1288.2	1303.7	1334.3	1394.7	1504.6	1671.0	2104.6
20°	1416.9	1451.5	1524.9	1558.4	1561.6	1592.0	1689.5	1856.3	2198.6	3321.5	4677.0
17.5°	1646.2	1592.5	1680.8	1738.6	1801.0	1912.7	2139.1	2822.4	4473.1	7876.6	11211.8
15°	1979.4	1946.3	1894.3	1973.4	2146.9	2375.1	2903.9	5402.1	11010.1	17391.8	24026.8
12.5°	2342.3	2298.6	2226.9	2293.6	2557.1	2963.6	5449.4	11780.0	20744.6	32185.6	54471.3
10°	2631.7	2612.0	2567.4	2708.9	3052.8	4277.8	8680.7	18641.9	31971.8	58511.7	90954.2
7.5°	2808.7	2799.7	2837.8	3069.7	3538.0	6247.4	14190.7	28060.9	51484.6	88329.2	142790.8
5°	3002.2	2988.2	3049.7	3330.9	3884.9	7510.0	18494.6	36522.2	71405.8	122381.4	201471.5
2.5°	3209.8	3177.8	3241.0	3561.6	4156.6	7790.1	19460.8	39056.3	83231.3	148630.7	254595.5
0°	3419.0	3353.7	3387.8	3708.2	4359.4	8708.3	21463.1	42709.6	91591.1	163817.2	276517.6
-2.5°	3436.0	3325.4	3359.3	3655.5	4279.0	7497.9	18634.6	39343.4	87050.4	152422.8	253226.3
-5°	3464.9	3320.7	3311.1	3570.7	4164.3	6840.5	15809.5	35982.5	76909.9	134130.4	221481.4
-7.5°	3518.7	3348.1	3266.1	3458.0	3982.5	5946.5	12898.1	29954.2	62219.7	109397.7	172697.0
-10°	3606.8	3423.6	3289.4	3373.6	3753.0	4849.8	8534.1	21771.5	47097.5	82479.9	125386.0
-12.5°	3715.6	3630.9	3429.5	3312.9	3521.3	4115.6	6708.0	16266.2	33090.2	52181.5	83481.6
-15°	3766.1	3798.0	3652.5	3420.6	3434.3	3802.0	4691.5	8906.3	20771.3	34642.7	50083.3
-17.5°	3697.5	3848.8	3680.6	3414.5	3306.7	3524.6	3940.6	5485.8	9598.5	18508.2	27564.0
-20°	3497.2	3546.7	3512.3	3352.6	3239.4	3251.3	3457.2	3858.0	4660.3	7577.0	10782.2



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3126.2	3158.1	3149.0	3267.2	3140.4	3083.3	3128.1	3283.6	3532.6	3911.0	4971.7
-25°	2810.0	2796.6	2869.6	3067.3	3098.6	2960.7	2924.7	2936.0	3077.6	3245.4	3478.0
-27.5°	2508.3	2599.6	2760.3	2961.0	3048.2	2955.4	2838.9	2762.7	2830.8	2883.7	2988.1
-30°	2255.9	2491.8	2660.3	2843.0	2974.2	2959.5	2846.0	2808.7	2776.5	2739.1	2765.5
-32.5°	1854.1	2361.7	2535.5	2684.8	2843.8	2908.2	2907.3	2891.5	2906.1	2875.5	2807.4
-35°	1440.9	1988.1	2439.3	2522.4	2625.1	2776.9	2893.3	2911.8	2929.2	2928.5	2912.1
-37.5°	1033.7	1542.3	1999.7	2336.0	2456.8	2568.0	2785.0	2900.9	2938.7	2998.7	3020.8
-40°	847.7	1000.2	1457.6	1869.0	2146.3	2483.3	2708.8	2918.5	3134.2	3260.4	3331.8
-42.5°	792.0	855.4	922.4	1238.8	1634.4	2004.3	2357.8	2757.2	3063.7	3301.8	3539.1
-45°	751.8	792.5	837.1	899.2	961.4	1274.9	1634.9	1996.4	2335.6	2677.5	3005.6
-47.5°	735.9	750.8	781.8	817.3	858.8	913.6	965.5	1046.0	1325.9	1603.2	1900.6
-50°	710.3	747.6	761.0	773.9	807.4	839.6	864.4	898.5	932.3	953.5	981.6
-52.5°	656.4	704.5	745.7	783.4	805.1	823.8	840.3	868.2	894.4	917.1	932.8
-55°	600.6	650.3	697.8	744.2	787.7	829.3	865.4	885.6	905.8	926.1	934.5
-57.5°	535.1	587.5	638.8	687.1	734.5	780.8	821.9	858.9	894.4	927.2	947.8
-60°	466.6	511.3	563.0	616.7	666.2	711.7	757.1	800.1	839.7	873.3	894.5
-62.5°	399.8	442.3	485.0	533.4	587.0	638.7	679.7	721.3	763.2	799.9	826.5
-65°	327.4	363.0	397.1	433.6	472.0	513.5	556.8	599.3	640.9	675.8	702.0
-67.5°	228.6	262.7	294.3	325.5	354.3	383.5	414.6	446.1	477.6	505.2	528.6
-70°	139.4	160.1	178.5	198.4	222.2	246.6	271.1	293.7	314.2	331.2	344.8
-72.5°	75.4	83.4	92.3	107.0	120.6	135.1	150.1	164.0	176.7	188.4	199.0
-75°	43.0	46.6	53.0	58.6	63.7	69.9	76.6	83.1	89.2	95.3	100.8
-77.5°	33.5	35.3	37.1	38.7	40.3	42.6	45.1	47.7	50.3	54.8	59.5
-80°	25.0	26.1	27.3	28.4	29.6	31.1	32.6	34.0	35.4	37.4	39.3
-82.5°	18.2	18.7	19.2	19.7	20.1	21.1	22.2	23.2	24.3	26.3	28.4
-85°	13.2	13.4	13.6	13.8	14.0	14.5	15.0	15.5	16.0	17.9	19.8
-87.5°	10.1	10.2	10.3	10.4	10.4	10.8	11.2	11.6	11.9	13.9	15.7
-90°	4.4	4.1	3.7	3.4	3.0	2.6	2.3	1.9	1.5	1.1	0.8



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	30.0	35.6	40.8	46.0	40.8	35.6	30.0	24.4	18.9	13.3	12.6
87.5°	1.5	1.5	0.7	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.9
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
80°	1.9	1.5	1.5	1.5	1.5	1.5	1.9	2.2	2.5	2.8	2.8
77.5°	1.9	1.5	1.5	1.5	1.5	1.5	1.9	2.3	2.7	3.0	3.3
75°	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.9	3.0	3.1	3.4
72.5°	5.7	5.8	5.9	5.9	5.9	5.8	5.7	5.6	5.4	5.4	5.7
70°	8.3	8.8	9.6	10.4	9.6	8.8	8.3	7.8	7.3	7.4	8.5
67.5°	10.2	10.3	9.0	7.4	9.0	10.3	10.2	10.1	9.8	10.0	11.0
65°	9.0	9.0	8.2	7.4	8.2	9.0	9.0	9.1	9.3	10.1	11.5
62.5°	7.1	7.4	7.4	7.4	7.4	7.4	7.1	6.9	6.8	7.8	9.3
60°	6.0	6.0	5.9	5.9	5.9	6.0	6.0	6.0	5.9	6.4	7.1
57.5°	6.7	7.2	7.4	7.4	7.4	7.2	6.7	6.3	5.9	6.5	7.0
55°	7.3	7.4	8.0	8.9	8.0	7.4	7.3	7.1	6.9	7.3	7.9
52.5°	9.9	10.2	10.4	10.4	10.4	10.2	9.9	9.6	9.2	8.9	8.8
50°	12.8	13.1	13.2	13.3	13.2	13.1	12.8	12.5	12.0	11.4	10.8
47.5°	21.2	21.7	22.5	23.7	22.5	21.7	21.2	20.2	18.7	16.6	13.8
45°	33.8	34.7	36.2	38.6	36.2	34.7	33.8	32.3	32.4	30.2	24.6
42.5°	53.5	55.1	56.7	59.3	56.7	55.1	53.5	50.9	50.2	52.2	53.7
40°	73.9	74.8	75.8	78.6	75.8	74.8	73.9	72.2	71.4	63.3	64.9
37.5°	124.9	119.5	114.0	126.1	114.0	119.5	124.9	121.2	113.1	107.8	105.5
35°	170.3	173.5	178.4	186.9	178.4	173.5	170.3	171.2	166.0	151.1	156.2
32.5°	258.3	272.3	278.7	287.8	278.7	272.3	258.3	255.3	238.7	241.1	257.4
30°	513.9	513.0	471.7	479.1	471.7	513.0	513.9	483.4	418.2	418.3	437.8
27.5°	850.8	861.1	856.6	878.1	856.6	861.1	850.8	833.6	779.9	711.8	641.3
25°	1324.5	1368.8	1360.1	1403.2	1360.1	1368.8	1324.5	1242.7	1149.6	1067.7	986.0
22.5°	2637.5	2841.7	2838.4	3110.4	2838.4	2841.7	2637.5	2104.6	1671.0	1504.6	1394.7
20°	7044.5	8438.2	7863.9	7969.7	7863.9	8438.2	7044.5	4677.0	3321.5	2198.6	1856.3
17.5°	16245.1	20967.3	23018.0	25580.7	23018.0	20967.3	16245.1	11211.8	7876.6	4473.1	2822.4
15°	37084.5	49665.7	55958.9	49535.6	55958.9	49665.7	37084.5	24026.8	17391.8	11010.1	5402.1
12.5°	77644.0	99734.1	115003.6	103285.3	115003.6	99734.1	77644.0	54471.3	32185.6	20744.6	11780.0
10°	134136.7	174826.3	208454.2	197371.2	208454.2	174826.3	134136.7	90954.2	58511.7	31971.8	18641.9
7.5°	206212.8	271945.4	312972.1	312668.1	312972.1	271945.4	206212.8	142790.8	88329.2	51484.6	28060.9
5°	296677.4	380777.8	433017.2	439316.5	433017.2	380777.8	296677.4	201471.5	122381.4	71405.8	36522.2
2.5°	363660.2	454841.4	526171.4	551899.0	526171.4	454841.4	363660.2	254595.5	148630.7	83231.3	39056.3
0°	391008.3	485010.5	561258.4	603772.3	561258.4	485010.5	391008.3	276517.6	163817.2	91591.1	42709.6
-2.5°	369519.7	456340.4	519228.8	545568.4	519228.8	456340.4	369519.7	253226.3	152422.8	87050.4	39343.4
-5°	322640.4	404405.8	452918.4	470146.5	452918.4	404405.8	322640.4	221481.4	134130.4	76909.9	35982.5
-7.5°	252484.1	320929.4	362808.0	377933.9	362808.0	320929.4	252484.1	172697.0	109397.7	62219.7	29954.2
-10°	174846.0	225722.8	262081.6	273359.7	262081.6	225722.8	174846.0	125386.0	82479.9	47097.5	21771.5
-12.5°	112662.7	142848.3	162991.9	170328.8	162991.9	142848.3	112662.7	83481.6	52181.5	33090.2	16266.2
-15°	68538.8	85346.2	95101.8	98389.0	95101.8	85346.2	68538.8	50083.3	34642.7	20771.3	8906.3
-17.5°	37764.6	45876.2	48858.3	50956.6	48858.3	45876.2	37764.6	27564.0	18508.2	9598.5	5485.8
-20°	16918.5	20440.0	22168.1	23054.6	22168.1	20440.0	16918.5	10782.2	7577.0	4660.3	3858.0



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6523.4	7551.7	8014.9	8395.4	8014.9	7551.7	6523.4	4971.7	3911.0	3532.6	3283.6
-25°	3680.2	3822.9	3888.0	3930.7	3888.0	3822.9	3680.2	3478.0	3245.4	3077.6	2936.0
-27.5°	3062.6	3145.0	3201.5	3192.0	3201.5	3145.0	3062.6	2988.1	2883.7	2830.8	2762.7
-30°	2767.5	2792.9	2814.2	2797.5	2814.2	2792.9	2767.5	2765.5	2739.1	2776.5	2808.7
-32.5°	2759.4	2733.3	2718.4	2714.4	2718.4	2733.3	2759.4	2807.4	2875.5	2906.1	2891.5
-35°	2893.5	2881.7	2874.2	2879.0	2874.2	2881.7	2893.5	2912.1	2928.5	2929.2	2911.8
-37.5°	3023.5	3006.2	2979.8	2959.1	2979.8	3006.2	3023.5	3020.8	2998.7	2938.7	2900.9
-40°	3345.6	3407.9	3486.9	3530.2	3486.9	3407.9	3345.6	3331.8	3260.4	3134.2	2918.5
-42.5°	3609.5	3655.0	3675.5	3674.1	3675.5	3655.0	3609.5	3539.1	3301.8	3063.7	2757.2
-45°	3254.5	3436.5	3534.8	3553.9	3534.8	3436.5	3254.5	3005.6	2677.5	2335.6	1996.4
-47.5°	2221.1	2516.7	2690.1	2712.9	2690.1	2516.7	2221.1	1900.6	1603.2	1325.9	1046.0
-50°	1020.1	1059.7	1074.2	1063.5	1074.2	1059.7	1020.1	981.6	953.5	932.3	898.5
-52.5°	947.8	963.1	970.9	973.0	970.9	963.1	947.8	932.8	917.1	894.4	868.2
-55°	942.4	950.8	956.4	961.2	956.4	950.8	942.4	934.5	926.1	905.8	885.6
-57.5°	967.1	984.9	993.4	996.8	993.4	984.9	967.1	947.8	927.2	894.4	858.9
-60°	913.7	931.0	937.4	938.9	937.4	931.0	913.7	894.5	873.3	839.7	800.1
-62.5°	851.5	874.5	883.1	885.5	883.1	874.5	851.5	826.5	799.9	763.2	721.3
-65°	724.9	744.3	745.7	740.2	745.7	744.3	724.9	702.0	675.8	640.9	599.3
-67.5°	549.7	568.1	569.0	563.6	569.0	568.1	549.7	528.6	505.2	477.6	446.1
-70°	355.8	364.3	366.0	364.9	366.0	364.3	355.8	344.8	331.2	314.2	293.7
-72.5°	208.2	216.1	214.6	210.6	214.6	216.1	208.2	199.0	188.4	176.7	164.0
-75°	105.7	110.0	111.7	112.7	111.7	110.0	105.7	100.8	95.3	89.2	83.1
-77.5°	64.3	69.0	70.3	71.2	70.3	69.0	64.3	59.5	54.8	50.3	47.7
-80°	41.1	42.8	43.0	43.0	43.0	42.8	41.1	39.3	37.4	35.4	34.0
-82.5°	30.5	32.5	33.3	34.1	33.3	32.5	30.5	28.4	26.3	24.3	23.2
-85°	21.8	23.7	24.4	25.2	24.4	23.7	21.8	19.8	17.9	16.0	15.5
-87.5°	17.6	19.4	20.1	20.8	20.1	19.4	17.6	15.7	13.9	11.9	11.6
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.1	1.5	1.9



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	11.8	11.1	10.4	10.0	9.7	9.3	8.9	8.9	8.9	8.9	8.9
87.5°	2.3	2.6	3.0	3.4	3.7	4.1	4.4	4.4	4.4	4.4	4.4
85°	2.3	2.6	3.0	3.4	3.7	4.1	4.4	4.4	4.4	4.4	4.4
82.5°	2.3	2.7	3.0	3.4	3.7	4.1	4.4	4.6	4.6	4.6	4.6
80°	2.8	2.9	3.0	3.4	3.8	4.1	4.5	4.8	5.2	5.5	5.6
77.5°	3.5	3.7	3.8	4.0	4.3	4.4	4.6	4.9	5.3	5.6	6.0
75°	3.8	4.1	4.6	5.2	5.6	5.8	5.8	5.6	5.6	5.8	6.0
72.5°	6.0	6.1	6.5	7.3	7.5	8.0	8.1	7.8	7.2	6.4	6.1
70°	9.4	10.0	11.4	13.4	14.8	15.5	15.2	13.8	11.2	9.6	8.4
67.5°	12.1	13.3	15.5	18.2	20.2	22.0	24.0	24.9	23.8	21.0	14.5
65°	12.9	14.3	16.1	18.0	20.5	23.9	30.2	33.6	34.5	33.1	25.2
62.5°	11.0	12.9	14.0	15.4	17.4	21.6	30.2	37.0	42.3	42.0	32.7
60°	8.0	8.9	10.0	11.4	13.1	17.7	26.0	35.4	46.3	43.2	36.4
57.5°	7.3	7.7	8.3	8.7	8.9	12.8	19.8	28.7	39.0	38.5	35.2
55°	8.6	9.1	9.3	9.1	9.0	10.7	13.8	19.8	27.8	29.3	28.2
52.5°	8.8	9.7	10.5	11.4	11.2	10.7	11.0	14.6	17.9	20.8	21.6
50°	10.3	10.8	11.2	11.7	12.4	12.2	11.7	11.9	14.1	16.1	16.9
47.5°	13.6	14.1	13.3	13.2	14.6	14.2	13.6	13.4	15.1	14.7	15.5
45°	23.5	22.3	20.3	20.6	20.3	20.0	17.8	18.8	19.3	18.8	16.2
42.5°	47.8	39.3	33.3	34.9	32.7	30.6	27.4	26.8	26.2	25.0	23.6
40°	74.9	72.4	65.7	60.6	55.9	47.4	41.3	36.9	35.2	33.0	32.8
37.5°	107.1	110.6	113.6	111.3	97.4	79.2	62.8	50.5	45.2	47.0	44.6
35°	150.3	156.5	172.7	167.3	158.6	141.8	103.3	74.2	64.9	69.7	61.4
32.5°	214.4	250.8	267.1	253.8	247.2	232.7	183.1	120.7	116.3	108.3	90.6
30°	432.1	411.3	413.9	423.4	419.1	359.5	290.3	300.8	241.0	163.0	130.2
27.5°	671.5	614.7	605.6	724.7	677.1	571.8	556.1	608.9	440.9	292.5	192.0
25°	992.6	959.3	923.4	1049.5	1077.7	893.7	880.6	928.3	806.5	473.8	270.5
22.5°	1334.3	1303.7	1288.2	1344.4	1383.4	1232.3	1178.9	1240.0	1207.2	696.0	415.2
20°	1689.5	1592.0	1561.6	1558.4	1524.9	1451.5	1416.9	1460.4	1315.5	943.0	565.3
17.5°	2139.1	1912.7	1801.0	1738.6	1680.8	1592.5	1646.2	1626.5	1455.6	1135.4	708.0
15°	2903.9	2375.1	2146.9	1973.4	1894.3	1946.3	1979.4	1866.9	1621.2	1268.9	900.9
12.5°	5449.4	2963.6	2557.1	2293.6	2226.9	2298.6	2342.3	2168.2	1843.7	1560.4	1219.6
10°	8680.7	4277.8	3052.8	2708.9	2567.4	2612.0	2631.7	2433.1	2148.7	1898.8	1562.9
7.5°	14190.7	6247.4	3538.0	3069.7	2837.8	2799.7	2808.7	2624.0	2409.8	2206.2	1918.5
5°	18494.6	7510.0	3884.9	3330.9	3049.7	2988.2	3002.2	2769.4	2636.2	2488.5	2271.8
2.5°	19460.8	7790.1	4156.6	3561.6	3241.0	3177.8	3209.8	2934.3	2828.0	2687.6	2501.9
0°	21463.1	8708.3	4359.4	3708.2	3387.8	3353.7	3419.0	3132.7	3005.1	2864.2	2696.6
-2.5°	18634.6	7497.9	4279.0	3655.5	3359.3	3325.4	3436.0	3258.7	3068.3	2880.4	2630.2
-5°	15809.5	6840.5	4164.3	3570.7	3311.1	3320.7	3464.9	3365.9	3133.3	2899.6	2515.6
-7.5°	12898.1	5946.5	3982.5	3458.0	3266.1	3348.1	3518.7	3455.4	3227.1	3015.4	2556.2
-10°	8534.1	4849.8	3753.0	3373.6	3289.4	3423.6	3606.8	3529.7	3324.8	3126.9	2537.4
-12.5°	6708.0	4115.6	3521.3	3312.9	3429.5	3630.9	3715.6	3566.2	3431.8	3238.2	2452.5
-15°	4691.5	3802.0	3434.3	3420.6	3652.5	3798.0	3766.1	3515.0	3382.5	3258.4	2297.5
-17.5°	3940.6	3524.6	3306.7	3414.5	3680.6	3848.8	3697.5	3431.2	3220.5	2922.5	1906.2
-20°	3457.2	3251.3	3239.4	3352.6	3512.3	3546.7	3497.2	3265.1	2987.4	2386.3	1529.9



REPORT NUMBER: P701628 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3128.1	3083.3	3140.4	3267.2	3149.0	3158.1	3126.2	2971.6	2687.5	1826.7	1180.8
-25°	2924.7	2960.7	3098.6	3067.3	2869.6	2796.6	2810.0	2646.0	2121.4	1366.7	898.7
-27.5°	2838.9	2955.4	3048.2	2961.0	2760.3	2599.6	2508.3	2284.4	1575.7	1072.6	818.8
-30°	2846.0	2959.5	2974.2	2843.0	2660.3	2491.8	2255.9	1722.0	1208.1	843.5	756.7
-32.5°	2907.3	2908.2	2843.8	2684.8	2535.5	2361.7	1854.1	1262.5	893.7	782.4	719.9
-35°	2893.3	2776.9	2625.1	2522.4	2439.3	1988.1	1440.9	969.5	788.5	732.3	689.8
-37.5°	2785.0	2568.0	2456.8	2336.0	1999.7	1542.3	1033.7	819.6	743.7	700.9	667.5
-40°	2708.8	2483.3	2146.3	1869.0	1457.6	1000.2	847.7	771.4	719.3	675.0	648.5
-42.5°	2357.8	2004.3	1634.4	1238.8	922.4	855.4	792.0	739.9	698.2	663.2	605.9
-45°	1634.9	1274.9	961.4	899.2	837.1	792.5	751.8	719.2	688.7	627.5	556.8
-47.5°	965.5	913.6	858.8	817.3	781.8	750.8	735.9	710.5	646.4	580.1	509.5
-50°	864.4	839.6	807.4	773.9	761.0	747.6	710.3	656.6	595.2	530.7	462.5
-52.5°	840.3	823.8	805.1	783.4	745.7	704.5	656.4	602.6	544.3	480.6	415.5
-55°	865.4	829.3	787.7	744.2	697.8	650.3	600.6	547.0	489.8	428.5	369.6
-57.5°	821.9	780.8	734.5	687.1	638.8	587.5	535.1	483.3	432.7	377.1	323.5
-60°	757.1	711.7	666.2	616.7	563.0	511.3	466.6	420.5	373.1	328.8	283.7
-62.5°	679.7	638.7	587.0	533.4	485.0	442.3	399.8	358.5	321.2	282.7	230.4
-65°	556.8	513.5	472.0	433.6	397.1	363.0	327.4	289.0	249.0	209.9	165.9
-67.5°	414.6	383.5	354.3	325.5	294.3	262.7	228.6	195.0	166.8	139.7	107.7
-70°	271.1	246.6	222.2	198.4	178.5	160.1	139.4	117.2	94.4	79.2	66.0
-72.5°	150.1	135.1	120.6	107.0	92.3	83.4	75.4	66.5	57.2	47.3	39.6
-75°	76.6	69.9	63.7	58.6	53.0	46.6	43.0	40.5	38.0	35.6	32.9
-77.5°	45.1	42.6	40.3	38.7	37.1	35.3	33.5	31.7	29.9	28.0	26.0
-80°	32.6	31.1	29.6	28.4	27.3	26.1	25.0	23.5	22.0	20.7	19.7
-82.5°	22.2	21.1	20.1	19.7	19.2	18.7	18.2	17.4	16.8	16.1	15.5
-85°	15.0	14.5	14.0	13.8	13.6	13.4	13.2	13.0	12.7	12.5	12.2
-87.5°	11.2	10.8	10.4	10.4	10.3	10.2	10.1	10.1	10.0	10.0	10.0
-90°	2.3	2.6	3.0	3.4	3.7	4.1	4.4	4.4	4.4	4.4	4.4



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.5	8.2	7.8
87.5°	4.8	5.2	5.5	5.9	5.9	5.9	5.9	5.9	6.3	6.7	7.0
85°	4.8	5.2	5.5	5.9	5.9	5.9	5.9	5.9	6.3	6.7	7.0
82.5°	4.8	5.2	5.6	5.9	6.1	6.3	6.3	6.3	6.5	6.7	7.0
80°	5.6	5.6	5.7	6.0	6.3	6.7	6.9	6.9	6.9	6.9	7.1
77.5°	6.1	6.1	5.9	6.0	6.4	6.7	7.1	7.4	7.3	7.2	7.2
75°	6.4	6.6	6.7	6.6	6.6	6.8	7.1	7.4	7.4	7.4	7.3
72.5°	6.5	6.8	7.2	7.4	7.1	7.1	7.2	7.4	7.4	7.4	7.4
70°	7.4	7.0	7.3	7.4	7.4	7.4	7.3	7.5	7.4	7.4	7.4
67.5°	9.0	7.9	7.4	7.4	7.4	7.4	7.4	7.6	7.6	7.4	7.4
65°	17.6	11.5	7.4	7.4	7.4	7.4	7.4	7.7	7.9	7.7	7.4
62.5°	24.6	17.5	11.9	8.5	7.4	7.4	7.4	7.8	8.1	8.1	7.7
60°	29.8	21.7	16.3	12.2	8.9	7.4	7.5	7.9	8.2	8.5	8.1
57.5°	28.8	24.1	19.9	15.6	11.6	8.6	7.6	7.9	8.3	8.6	8.5
55°	25.4	21.8	22.0	18.6	14.2	10.5	8.2	8.0	8.3	8.7	8.9
52.5°	19.8	20.5	22.2	20.8	16.6	12.4	9.8	8.1	8.4	8.7	8.9
50°	16.0	18.9	22.1	22.4	18.9	14.5	11.1	9.1	8.5	8.8	8.9
47.5°	16.3	19.0	21.2	23.9	21.6	16.4	12.6	10.0	8.6	8.9	8.9
45°	18.9	20.9	21.8	23.5	24.0	18.3	14.0	10.8	9.2	9.0	8.9
42.5°	22.4	24.2	24.7	23.5	23.9	19.9	15.1	11.7	9.7	9.0	9.0
40°	30.7	28.3	28.5	27.9	24.3	21.1	16.2	12.5	10.1	9.3	9.1
37.5°	40.3	35.5	32.9	35.6	27.3	22.3	16.9	13.2	10.8	9.7	9.2
35°	53.0	45.4	43.2	45.7	37.0	24.3	17.3	13.6	11.8	10.1	9.4
32.5°	67.3	66.0	65.5	57.1	49.4	27.0	18.7	15.3	13.1	10.5	9.6
30°	101.4	102.3	96.8	70.5	63.2	38.3	22.0	17.3	14.5	10.9	9.9
27.5°	158.8	145.0	135.4	98.0	75.9	52.2	26.6	19.5	16.1	11.6	10.2
25°	220.5	196.7	176.9	135.3	89.8	70.1	31.1	22.1	17.9	12.8	10.5
22.5°	293.0	249.9	222.8	177.7	112.3	90.2	40.7	26.0	19.9	14.1	10.8
20°	365.4	302.7	272.9	217.9	145.3	108.9	56.2	29.7	22.0	15.4	11.1
17.5°	446.6	369.4	327.1	258.5	181.3	129.7	72.5	33.3	24.2	16.7	11.3
15°	607.2	453.1	386.3	303.3	214.5	152.0	89.3	36.7	26.4	18.1	11.7
12.5°	801.4	536.7	449.8	351.0	245.0	175.3	106.1	39.9	28.6	19.4	12.2
10°	1015.1	619.4	516.1	400.4	272.9	199.1	122.5	44.6	31.3	20.8	12.8
7.5°	1238.3	700.3	583.4	449.7	303.8	235.7	162.4	53.0	34.0	22.1	13.3
5°	1455.5	777.6	656.6	523.2	363.4	284.6	207.4	61.7	36.7	23.3	13.8
2.5°	1638.9	848.8	729.7	596.3	421.5	331.7	251.9	70.3	39.2	24.3	14.3
0°	1796.3	915.2	798.0	664.5	477.6	376.8	293.7	78.6	41.5	25.2	14.8
-2.5°	1673.7	919.3	805.8	690.5	519.6	413.3	317.1	99.6	53.9	31.8	17.8
-5°	1530.1	919.7	811.2	712.4	558.6	446.9	335.4	119.3	65.7	38.1	20.7
-7.5°	1522.3	923.3	817.9	730.3	594.1	476.9	348.5	137.3	76.6	43.9	23.3
-10°	1503.4	927.3	825.8	734.0	601.3	488.1	354.1	153.1	86.4	49.1	25.7
-12.5°	1426.4	927.0	832.4	732.8	599.3	482.7	343.1	165.4	95.0	53.4	27.6
-15°	1283.6	922.2	838.0	726.6	592.2	474.8	330.3	175.1	104.0	58.1	29.0
-17.5°	1057.8	913.1	842.9	715.2	579.5	464.7	316.6	182.4	111.5	63.5	31.2
-20°	956.2	882.4	843.5	698.5	560.9	452.3	302.8	187.2	117.3	67.6	33.7



REPORT NUMBER: P701628 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	890.3	836.4	787.7	676.0	539.8	437.9	289.5	189.4	121.3	70.2	35.3
-25°	819.2	788.2	730.5	629.0	520.5	415.8	283.5	188.8	123.4	71.3	35.9
-27.5°	760.2	736.0	681.1	583.6	491.5	396.7	281.3	190.4	124.0	70.7	35.3
-30°	705.1	685.3	632.1	542.5	461.0	367.6	275.6	189.7	123.1	69.6	33.7
-32.5°	673.0	646.5	585.2	507.3	427.2	337.4	259.1	186.3	119.9	67.7	32.8
-35°	655.8	609.3	542.5	470.8	392.1	311.7	238.5	180.2	114.4	64.1	31.8
-37.5°	636.5	570.5	501.8	432.8	356.7	284.9	220.2	164.2	106.3	58.7	30.0
-40°	592.7	528.6	461.7	394.2	324.8	256.9	200.2	147.1	98.0	51.6	27.4
-42.5°	546.5	483.2	420.0	355.5	293.1	233.0	178.7	128.7	85.2	46.3	24.0
-45°	495.7	436.4	377.2	319.6	261.3	207.4	157.0	109.7	71.0	41.4	21.4
-47.5°	443.7	389.7	336.2	283.0	231.3	180.6	134.0	92.9	56.2	35.4	20.7
-50°	393.7	344.6	296.6	249.1	200.5	153.9	111.0	75.3	47.6	27.9	19.8
-52.5°	352.8	302.3	259.6	216.1	170.0	125.9	90.5	57.7	38.5	24.3	18.6
-55°	312.4	263.5	224.7	181.3	138.0	101.3	69.0	47.1	29.1	22.4	17.3
-57.5°	275.7	228.6	185.5	144.0	108.4	76.9	53.2	36.0	25.2	20.5	16.5
-60°	236.4	185.2	142.6	110.1	80.1	56.7	40.4	27.4	23.0	18.6	15.5
-62.5°	181.8	138.6	105.5	77.5	57.5	42.0	29.0	24.8	20.6	17.4	14.4
-65°	129.5	96.9	69.7	54.9	40.6	30.0	26.1	22.1	19.0	16.2	13.5
-67.5°	78.7	63.4	48.9	35.8	30.2	26.7	23.0	20.2	17.6	15.0	12.8
-70°	52.6	39.7	33.2	29.9	26.6	23.4	21.0	18.6	16.2	13.9	12.0
-72.5°	35.8	32.2	28.9	25.9	23.3	20.9	18.9	17.0	14.8	12.9	11.1
-75°	29.8	27.0	24.4	22.1	20.1	18.3	16.8	15.3	13.5	11.8	10.6
-77.5°	23.7	21.7	19.8	18.3	17.0	15.8	14.7	13.6	12.2	11.1	10.1
-80°	18.5	17.4	16.2	15.0	14.1	13.3	12.8	12.3	11.3	10.4	9.6
-82.5°	14.5	13.7	12.9	12.1	11.7	11.5	11.3	11.1	10.4	9.7	9.1
-85°	11.5	10.9	10.2	9.6	9.6	9.7	10.0	10.2	9.7	9.2	8.7
-87.5°	9.7	9.4	9.1	8.9	9.1	9.3	9.4	9.5	9.1	8.7	8.2
-90°	4.8	5.2	5.5	5.9	5.9	5.9	5.9	5.9	6.3	6.7	7.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
87.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
85°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
82.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
80°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
77.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
75°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
72.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
70°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
67.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
65°	7.5	7.5	7.4	7.4	7.4	7.4	7.4
62.5°	7.6	7.6	7.4	7.4	7.4	7.4	7.4
60°	7.7	7.7	7.4	7.4	7.4	7.4	7.4
57.5°	8.0	7.8	7.5	7.4	7.4	7.4	7.4
55°	8.3	8.0	7.7	7.4	7.4	7.4	7.4
52.5°	8.5	8.2	7.9	7.4	7.4	7.4	7.4
50°	8.7	8.3	8.0	7.4	7.4	7.4	7.4
47.5°	8.9	8.5	8.2	7.4	7.4	7.4	7.4
45°	8.9	8.6	8.4	7.6	7.4	7.4	7.4
42.5°	8.9	8.7	8.6	7.7	7.4	7.4	7.4
40°	8.9	8.8	8.7	7.8	7.4	7.4	7.4
37.5°	8.9	8.9	8.8	8.0	7.4	7.4	7.4
35°	8.9	8.9	8.8	8.1	7.4	7.4	7.4
32.5°	8.9	8.9	8.9	8.2	7.4	7.4	7.4
30°	9.1	8.9	8.9	8.3	7.4	7.4	7.4
27.5°	9.3	8.9	8.9	8.4	7.4	7.4	7.4
25°	9.4	8.9	8.9	8.5	7.4	7.4	7.4
22.5°	9.6	8.9	8.9	8.6	7.4	7.4	7.4
20°	9.8	9.0	8.9	8.6	7.4	7.4	7.4
17.5°	10.1	9.2	8.9	8.7	7.4	7.4	7.4
15°	10.4	9.3	8.9	8.7	7.4	7.4	7.4
12.5°	10.7	9.5	8.9	8.8	7.4	7.4	7.4
10°	11.0	9.7	8.9	8.8	7.4	7.4	7.4
7.5°	11.2	9.9	8.9	8.9	7.4	7.4	7.4
5°	11.5	10.0	8.9	8.9	7.4	7.4	7.4
2.5°	11.7	10.2	8.9	8.9	7.4	7.4	7.4
0°	11.9	10.4	8.9	8.9	7.4	7.4	7.4
-2.5°	12.7	10.6	9.0	8.9	7.5	7.4	7.4
-5°	13.4	10.7	9.2	8.9	7.5	7.4	7.4
-7.5°	14.1	10.8	9.3	8.9	7.6	7.4	7.4
-10°	14.7	10.9	9.4	8.8	7.7	7.4	7.4
-12.5°	15.2	11.0	9.5	8.8	7.7	7.4	7.4
-15°	15.5	11.1	9.6	8.8	7.8	7.4	7.4
-17.5°	15.8	11.2	9.6	8.8	7.8	7.4	7.4
-20°	16.3	11.2	9.7	8.8	7.9	7.4	7.4



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.3	11.3	9.7	8.8	7.9	7.4	7.4
-25°	17.8	11.6	9.7	8.7	7.9	7.4	7.4
-27.5°	18.0	11.9	9.7	8.7	7.9	7.4	7.4
-30°	17.6	12.1	9.6	8.8	7.9	7.4	7.4
-32.5°	16.7	12.3	9.7	8.8	8.0	7.4	7.4
-35°	16.5	12.3	9.7	8.8	7.9	7.4	7.4
-37.5°	16.5	12.3	9.7	8.8	7.9	7.4	7.4
-40°	16.4	12.3	9.7	8.9	7.9	7.4	7.4
-42.5°	16.1	12.2	9.7	8.9	7.9	7.4	7.4
-45°	15.7	12.0	9.7	9.0	7.8	7.4	7.4
-47.5°	15.1	11.8	9.7	9.0	7.8	7.4	7.4
-50°	14.7	11.5	9.7	8.9	7.7	7.4	7.4
-52.5°	14.2	11.2	9.7	8.8	7.7	7.4	7.4
-55°	13.7	11.0	9.7	8.6	7.6	7.4	7.4
-57.5°	13.1	10.8	9.6	8.5	7.5	7.4	7.4
-60°	12.4	10.6	9.4	8.4	7.4	7.4	7.4
-62.5°	12.0	10.3	9.2	8.2	7.4	7.4	7.4
-65°	11.5	10.0	9.0	8.1	7.4	7.4	7.4
-67.5°	10.9	9.7	8.8	7.9	7.4	7.4	7.4
-70°	10.4	9.5	8.6	7.7	7.4	7.4	7.4
-72.5°	10.0	9.2	8.4	7.7	7.4	7.4	7.4
-75°	9.6	8.9	8.1	7.7	7.4	7.4	7.4
-77.5°	9.3	8.6	8.0	7.6	7.4	7.4	7.4
-80°	8.9	8.3	7.9	7.6	7.4	7.4	7.4
-82.5°	8.5	8.1	7.8	7.5	7.4	7.4	7.4
-85°	8.2	7.9	7.7	7.5	7.4	7.4	7.4
-87.5°	7.8	7.6	7.5	7.4	7.4	7.4	7.4
-90°	7.4	7.4	7.4	7.4	7.4	7.4	7.4

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

