

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: P701445 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-80-3S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701445 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-57-80-3S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

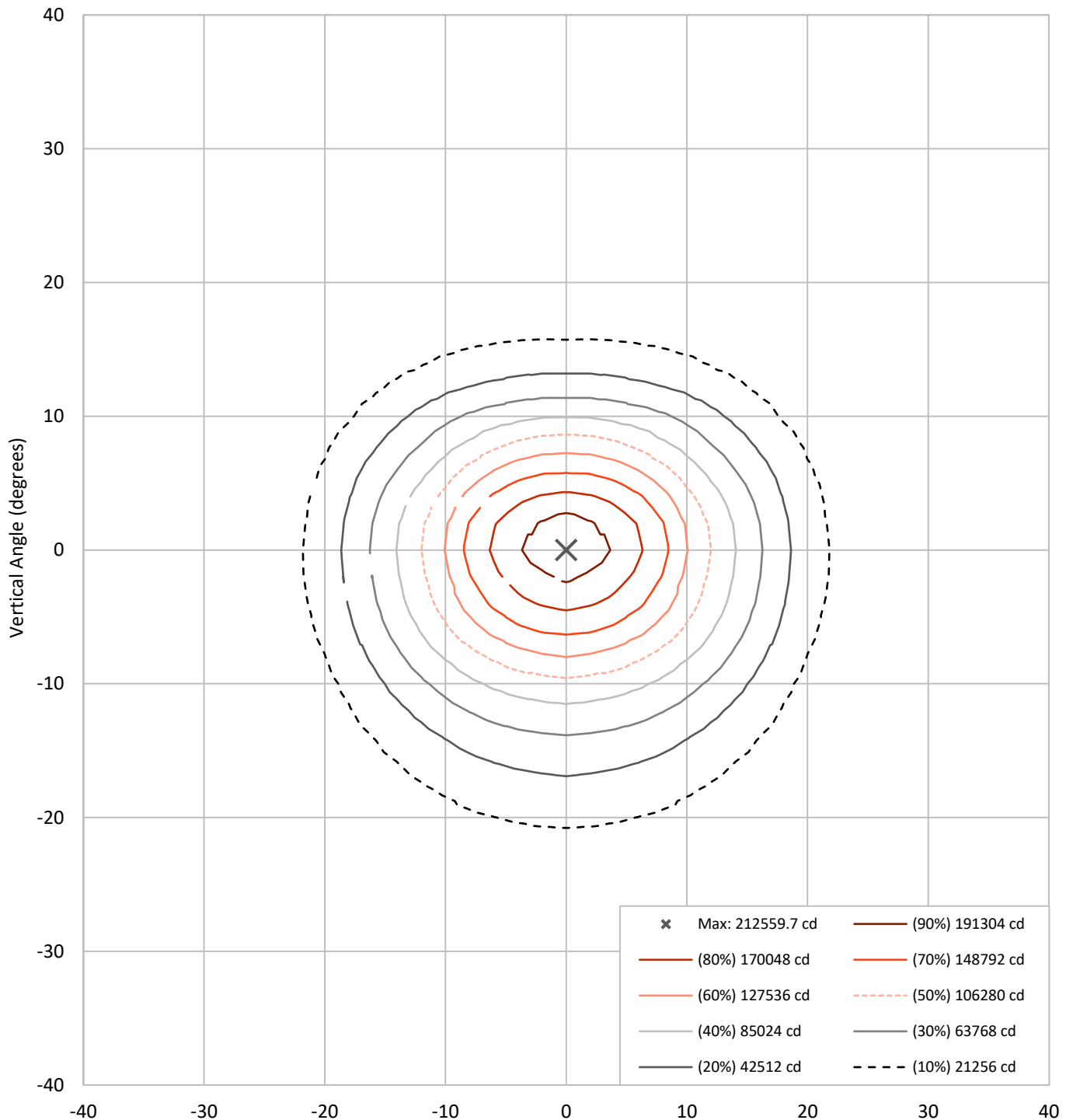
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	35534.7 lumens	Max Intensity:	212559.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	103.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	15200.9 lumens	Field Lumens:	30367.9 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%

Input Watts (W): 344.2
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





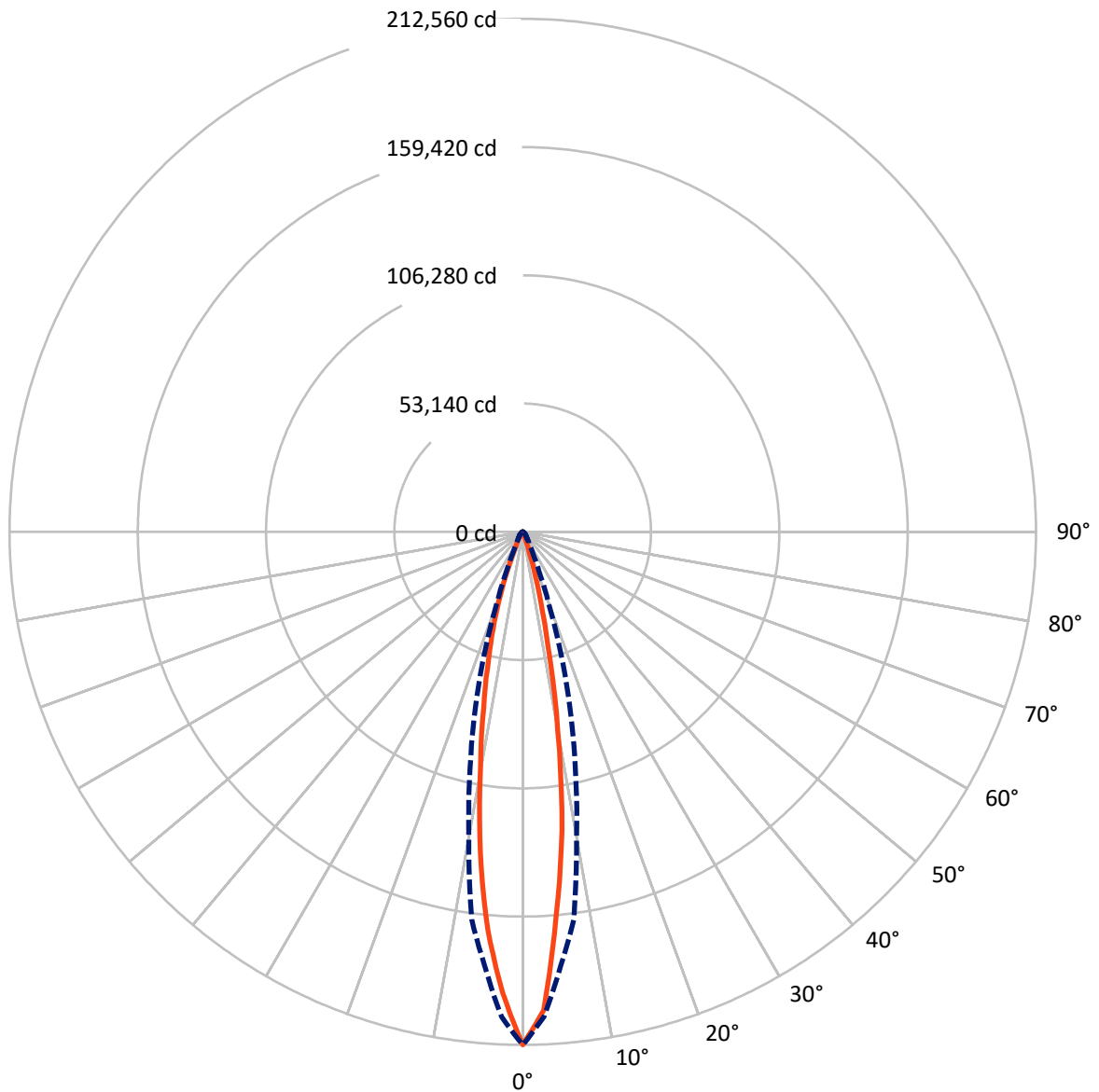
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Lumen Table

90	0.1		0.3		0.4		0.5		0.5		0.5		0.4		0.3		0.1	
80	0.1		0.3		0.4		0.5		0.5		0.5		0.4		0.3		0.1	
70	0.1	0.1	0.1	0.4	0.5	0.3	0.2	0.1	0.1	0.2	0.3	0.5	0.4	0.1	0.1	0.1		
60		0.1	0.2	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.2	0.1			
50	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1		
40		0.1	0.4	0.5	1.0	1.4	1.7	2.3	2.3	1.7	1.4	1.0	0.5	0.4	0.1			
30	0.2	0.3	1.0	2.5	4.7	7.1	16.1	32.5	32.5	16.1	7.1	4.7	2.5	1.0	0.3	0.2		
20		0.7	3.7	11.7	25.6	68.6	380.6	871.0	871.0	380.6	68.6	25.6	11.7	3.7	0.7			
10	0.2	1.3	7.7	27.6	64.4	283.4	1777.6	4149.4	4149.4	1777.6	283.4	64.4	27.6	7.7	1.3	0.2		
0		1.7	9.1	32.3	72.3	302.1	1896.0	4273.7	4273.7	1896.0	302.1	72.3	32.3	9.1	1.7			
-10	0.4	1.8	7.9	24.5	51.3	130.2	688.4	1549.2	1549.2	688.4	130.2	51.3	24.5	7.9	1.8	0.4		
-20		1.8	6.4	15.4	36.3	61.4	133.3	268.1	268.1	133.3	61.4	36.3	15.4	6.4	1.8			
-30	0.3	1.6	5.1	10.7	23.5	42.3	57.6	67.1	67.1	57.6	42.3	23.5	10.7	5.1	1.6	0.3		
-40		1.1	3.8	8.2	14.6	23.8	36.4	45.8	45.8	36.4	23.8	14.6	8.2	3.8	1.1			
-50	0.2	0.5	2.3	5.2	9.2	13.6	17.2	19.4	19.4	17.2	13.6	9.2	5.2	2.3	0.5	0.2		
-60		0.2	0.8	2.2	4.2	6.4	8.6	9.9	9.9	8.6	6.4	4.2	2.2	0.8	0.2			
-70	0.1	0.5	1.7	4.6	7.1	4.6	1.7	0.5	0.1	0.1	0.5	1.7	4.6	7.1	4.6	1.7	0.5	0.1
-80		0.1	0.5	1.7	4.6	7.1	4.6	1.7	0.5	0.1	0.1	0.5	1.7	4.6	7.1	4.6	1.7	0.5
-90	0.1		0.5		1.7		4.6		7.1		4.6		1.7		0.5		0.1	

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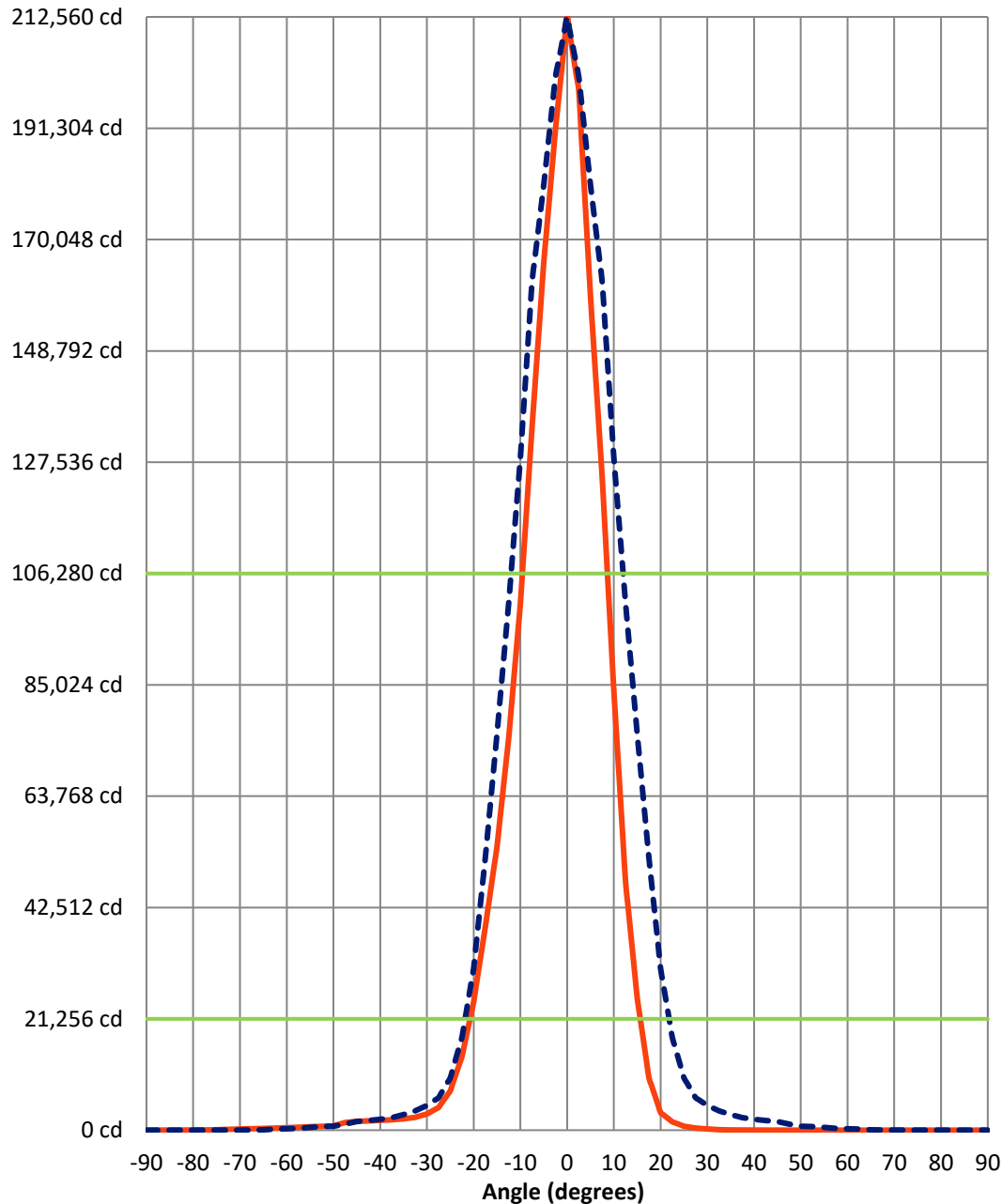
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24°
 V Angle: 18.2°
 Lumens: 15200.9
 Efficiency: 42.8%

Field:
 H Angle: 43.7°
 V Angle: 36.4°
 Lumens: 30367.9
 Efficiency: 85.5%

Spill:
 Lumens: 5166.8
 Efficiency: 14.5%

— 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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.9
67.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.9	5.3
65°	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.5	4.9	5.3	5.5
62.5°	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.7	5.2	5.6	5.2
60°	4.5	4.5	4.5	4.5	4.5	4.7	4.7	5.0	5.5	5.4	4.9
57.5°	4.5	4.5	4.5	4.5	4.6	4.8	4.9	5.3	5.5	5.3	4.9
55°	4.5	4.5	4.5	4.5	4.7	4.9	5.1	5.6	5.5	5.2	5.0
52.5°	4.5	4.5	4.5	4.5	4.8	5.1	5.3	5.6	5.5	5.2	5.0
50°	4.5	4.5	4.6	4.5	5.0	5.2	5.5	5.7	5.5	5.3	6.1
47.5°	4.5	4.5	4.6	4.5	5.1	5.3	5.6	5.7	5.6	5.4	7.0
45°	4.5	4.5	4.6	4.6	5.2	5.4	5.7	5.8	5.7	5.9	7.7
42.5°	4.5	4.5	4.7	4.7	5.4	5.5	5.8	6.0	5.9	6.3	8.4
40°	4.5	4.5	4.7	4.9	5.4	5.5	5.9	6.1	6.1	6.5	9.2
37.5°	4.5	4.5	4.8	5.0	5.5	5.6	6.1	6.3	6.6	7.2	9.8
35°	4.5	4.5	4.8	5.1	5.5	5.7	6.2	6.5	7.1	8.4	10.2
32.5°	4.5	4.5	4.8	5.2	5.6	5.8	6.4	6.8	7.6	9.6	11.2
30°	4.5	4.5	4.9	5.3	5.6	5.9	6.6	7.1	8.1	10.9	12.4
27.5°	4.5	4.5	5.0	5.3	5.6	6.0	6.8	7.5	8.9	12.2	13.9
25°	4.5	4.5	5.0	5.4	5.6	6.2	7.0	7.9	9.9	13.4	15.6
22.5°	4.5	4.5	5.1	5.5	5.6	6.3	7.2	8.4	10.9	14.7	18.8
20°	4.5	4.5	5.1	5.5	5.6	6.4	7.4	8.8	12.0	16.2	22.4
17.5°	4.5	4.5	5.2	5.5	5.6	6.4	7.6	9.2	13.0	17.7	26.2
15°	4.5	4.5	5.3	5.6	5.6	6.5	7.6	9.7	13.9	19.2	30.2
12.5°	4.5	4.5	5.3	5.6	5.6	6.6	7.7	10.3	15.0	20.8	34.3
10°	4.5	4.5	5.4	5.6	5.6	6.6	7.8	11.0	16.2	23.5	39.2
7.5°	4.5	4.5	5.4	5.6	5.6	6.7	7.8	11.7	17.3	26.4	46.2
5°	4.5	4.5	5.5	5.6	5.6	6.7	7.9	12.3	18.4	29.3	53.2
2.5°	4.5	4.5	5.5	5.6	5.6	6.7	7.9	12.9	19.3	32.1	59.9
0°	4.5	4.5	5.6	5.6	5.6	6.7	7.9	13.5	20.2	34.8	66.2
-2.5°	4.5	4.5	5.6	5.6	5.7	6.9	8.9	16.1	25.6	42.8	75.8
-5°	4.5	4.5	5.6	5.6	5.8	7.2	9.9	18.6	30.8	50.4	84.7
-7.5°	4.5	4.5	5.6	5.6	5.9	7.4	10.8	20.8	35.7	57.5	92.9
-10°	4.5	4.5	5.6	5.6	6.0	7.6	11.7	22.8	40.0	64.0	100.1
-12.5°	4.5	4.5	5.5	5.6	6.0	7.8	12.4	24.5	43.8	69.8	106.8
-15°	4.5	4.5	5.5	5.6	6.1	7.9	12.9	25.7	47.2	75.0	112.5
-17.5°	4.5	4.5	5.5	5.6	6.1	8.0	13.3	27.2	50.4	79.6	117.1
-20°	4.5	4.5	5.5	5.6	6.2	8.0	13.7	28.5	52.8	83.3	120.5



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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.5	4.5	5.4	5.6	6.2	8.1	14.1	29.3	54.4	86.2	122.6
-25°	4.5	4.5	5.4	5.6	6.2	8.1	14.2	29.3	55.0	88.2	123.4
-27.5°	4.5	4.5	5.4	5.6	6.2	8.2	13.9	28.7	54.6	89.1	125.1
-30°	4.5	4.5	5.3	5.6	6.1	8.2	13.2	27.3	53.7	88.4	125.7
-32.5°	4.5	4.5	5.3	5.6	6.1	8.1	12.0	26.2	52.0	86.4	125.1
-35°	4.5	4.5	5.2	5.6	6.1	8.0	11.5	24.9	49.2	83.0	123.3
-37.5°	4.5	4.5	5.1	5.6	6.1	7.8	11.4	22.9	45.3	78.2	115.1
-40°	4.5	4.5	5.1	5.6	6.0	7.8	11.1	20.3	40.2	72.6	104.9
-42.5°	4.5	4.5	5.0	5.6	6.0	7.7	10.7	17.0	35.8	63.8	93.7
-45°	4.5	4.5	5.0	5.6	6.0	7.5	10.2	14.5	31.2	53.9	81.6
-47.5°	4.5	4.5	4.9	5.6	6.0	7.3	9.6	13.8	25.7	43.4	69.7
-50°	4.5	4.5	4.8	5.5	5.9	7.1	9.2	12.9	19.0	35.8	57.0
-52.5°	4.5	4.5	4.7	5.4	5.9	6.8	8.9	11.9	16.0	27.9	44.0
-55°	4.5	4.5	4.7	5.3	5.8	6.6	8.4	10.9	14.5	19.6	34.8
-57.5°	4.5	4.5	4.6	5.2	5.7	6.5	7.9	10.2	13.0	16.4	25.1
-60°	4.5	4.5	4.5	5.1	5.6	6.3	7.4	9.5	11.6	14.6	17.7
-62.5°	4.5	4.5	4.5	5.0	5.5	6.0	7.0	8.7	10.6	12.8	15.7
-65°	4.5	4.5	4.5	4.9	5.4	5.7	6.6	7.9	9.7	11.6	13.7
-67.5°	4.5	4.5	4.5	4.8	5.3	5.6	6.2	7.4	8.7	10.4	12.2
-70°	4.5	4.5	4.5	4.7	5.2	5.5	5.7	6.8	8.0	9.3	10.9
-72.5°	4.5	4.5	4.5	4.7	5.1	5.4	5.6	6.2	7.4	8.5	9.7
-75°	4.5	4.5	4.5	4.7	5.0	5.4	5.6	6.0	6.7	7.8	8.9
-77.5°	4.5	4.5	4.5	4.7	5.0	5.3	5.6	5.8	6.3	7.1	8.0
-80°	4.5	4.5	4.5	4.6	4.9	5.2	5.6	5.7	6.0	6.5	7.1
-82.5°	4.5	4.5	4.5	4.6	4.8	5.0	5.3	5.5	5.6	5.8	6.2
-85°	4.5	4.5	4.5	4.6	4.7	4.9	5.1	5.2	5.3	5.3	5.4
-87.5°	4.5	4.5	4.5	4.5	4.6	4.7	4.8	4.8	4.9	4.9	5.0
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5



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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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.8	5.1	5.3
87.5°	4.4	4.2	4.1	4.0	3.9	3.8	3.6	3.4	3.4	3.4	3.4
85°	4.5	4.5	4.5	4.5	4.2	4.0	3.7	3.4	3.4	3.4	3.4
82.5°	4.5	4.5	4.5	4.5	4.3	4.0	3.7	3.6	3.6	3.6	3.5
80°	4.5	4.5	4.5	4.5	4.4	4.3	4.3	4.3	4.2	4.0	3.7
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.3	4.0	3.7
75°	4.5	4.5	4.6	4.5	4.5	4.5	4.5	4.5	4.4	4.3	4.3
72.5°	4.7	4.8	4.8	4.6	4.5	4.5	4.5	4.5	5.3	6.4	7.3
70°	5.1	5.2	4.8	4.6	4.5	4.8	6.1	8.0	10.0	11.5	13.3
67.5°	5.5	4.9	4.6	4.6	5.4	6.9	9.0	13.8	19.2	21.3	21.9
65°	5.0	4.6	4.8	5.5	6.6	10.6	15.8	22.1	26.6	26.3	24.9
62.5°	4.6	4.7	5.2	7.0	10.6	15.6	20.4	24.8	29.1	27.9	24.0
60°	4.6	4.8	6.9	10.6	14.4	18.0	22.5	24.9	26.9	26.8	21.2
57.5°	4.6	6.1	9.7	13.3	16.4	19.1	20.5	22.3	23.0	23.0	17.2
55°	5.4	8.3	11.9	15.0	17.2	16.8	17.3	17.6	17.7	16.5	11.7
52.5°	7.1	10.3	13.2	15.9	16.4	14.7	12.9	13.0	12.1	10.2	8.4
50°	8.6	11.4	14.3	16.0	15.3	12.3	9.5	9.5	8.6	7.4	6.4
47.5°	9.7	12.5	15.2	16.2	13.6	11.1	8.8	7.7	6.8	6.6	5.9
45°	10.6	13.3	16.2	15.1	12.9	11.0	9.1	6.7	7.0	7.0	7.2
42.5°	11.5	13.9	15.5	14.5	13.2	11.8	10.0	8.7	8.1	8.9	9.2
40°	11.8	14.2	15.0	15.2	14.0	13.2	13.0	12.0	10.4	11.8	12.3
37.5°	12.0	14.2	15.6	17.5	15.8	16.2	16.9	17.2	16.2	15.8	17.8
35°	11.9	14.6	18.8	21.0	19.6	20.6	22.6	23.5	23.5	23.1	26.5
32.5°	12.2	15.4	23.3	25.2	26.6	27.8	29.1	31.2	33.1	35.3	40.8
30°	13.8	19.5	28.4	29.8	35.1	40.7	39.1	40.2	44.6	58.6	70.8
27.5°	17.2	25.2	32.8	37.3	45.9	57.5	61.1	54.0	66.8	88.6	109.4
25°	21.3	40.8	37.6	46.5	62.5	79.9	89.6	88.5	101.0	128.6	153.3
22.5°	29.9	61.2	59.2	56.6	81.8	107.3	123.9	152.6	193.0	192.9	201.9
20°	44.9	80.6	86.6	94.1	110.4	138.8	162.5	238.6	322.9	351.6	320.4
17.5°	62.5	102.1	117.8	143.1	179.3	197.7	211.2	341.4	484.0	540.5	558.2
15°	82.0	125.2	151.1	198.0	255.6	288.2	345.7	494.6	663.0	758.8	829.9
12.5°	102.9	149.5	186.0	257.3	337.5	380.6	508.1	723.5	891.3	1006.8	1187.8
10°	124.3	174.6	221.9	319.5	423.1	474.0	681.9	959.3	1134.6	1268.3	1515.9
7.5°	148.0	199.6	257.6	382.9	510.5	567.9	861.5	1196.9	1371.7	1520.7	1800.5
5°	171.0	223.6	289.5	436.9	580.6	647.0	1023.3	1430.1	1602.1	1763.8	2057.5
2.5°	192.3	246.5	320.2	486.7	636.2	702.5	1101.3	1548.8	1736.3	1936.9	2251.7
0°	211.0	268.3	349.1	532.1	687.0	755.5	1163.0	1651.3	1845.5	2073.3	2393.3
-2.5°	215.0	276.9	359.4	531.4	680.2	754.2	1168.9	1655.8	1883.0	2124.0	2437.1
-5°	216.1	283.8	367.3	526.1	668.9	749.8	1156.9	1639.1	1889.2	2111.6	2393.6
-7.5°	214.6	288.8	372.8	515.7	647.0	724.9	1088.7	1537.5	1790.5	1984.2	2249.4
-10°	210.7	288.1	366.7	492.2	611.9	687.1	995.3	1420.3	1687.6	1854.4	2085.4
-12.5°	204.0	282.7	357.0	467.1	576.3	648.5	886.6	1290.5	1583.4	1725.8	1912.7
-15°	196.4	276.3	345.6	441.1	541.6	609.7	763.1	1150.4	1484.1	1629.1	1767.9
-17.5°	188.6	269.1	332.6	415.0	508.8	571.1	629.8	1001.6	1358.5	1530.5	1664.7
-20°	180.8	261.2	318.1	389.8	477.9	541.3	589.4	850.8	1182.0	1421.3	1556.0



REPORT NUMBER: P701445 (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°	173.6	252.7	304.5	370.2	450.8	517.5	566.3	703.2	995.8	1302.5	1448.1
-25°	171.0	240.6	293.3	353.0	424.7	493.5	543.8	578.1	819.8	1123.4	1345.3
-27.5°	171.1	230.5	282.6	334.6	398.8	467.9	518.1	553.5	686.0	947.5	1229.3
-30°	169.6	218.2	270.9	316.7	376.0	438.5	491.6	540.3	582.3	791.6	1040.4
-32.5°	163.2	205.4	256.7	302.6	353.1	410.2	469.9	522.0	567.5	635.6	861.0
-35°	154.5	194.8	241.3	287.6	329.8	384.9	443.6	500.6	548.9	591.2	694.0
-37.5°	146.6	182.7	225.4	271.0	312.5	359.7	415.3	472.4	524.3	574.5	621.0
-40°	137.6	169.3	210.2	253.1	294.5	335.7	385.9	439.9	494.6	552.5	608.5
-42.5°	127.2	158.1	194.0	234.4	273.7	314.1	355.3	406.0	461.1	522.3	580.6
-45°	113.6	145.8	177.0	213.4	250.6	289.9	329.6	370.5	423.6	480.1	541.2
-47.5°	98.8	131.5	161.8	191.1	226.1	262.7	301.3	341.4	383.4	434.9	489.7
-50°	83.4	113.8	144.5	171.0	200.3	234.1	269.6	309.5	349.5	389.9	436.5
-52.5°	68.3	94.8	123.6	151.1	176.4	204.7	237.6	273.7	312.0	350.7	386.8
-55°	52.3	76.4	101.3	128.1	153.8	177.7	204.3	236.7	271.0	306.9	340.0
-57.5°	39.5	57.6	79.8	103.1	127.9	152.3	175.5	199.0	228.5	260.3	288.6
-60°	28.4	41.6	58.5	79.1	100.3	123.3	146.6	168.5	190.1	210.9	236.2
-62.5°	18.6	28.9	40.9	55.3	74.1	93.4	114.1	135.2	156.2	174.3	191.0
-65°	16.3	18.7	26.8	37.6	48.3	65.7	83.3	100.1	118.5	135.1	151.2
-67.5°	14.0	16.1	18.3	22.0	31.7	42.6	53.9	69.3	83.9	95.9	107.8
-70°	12.4	13.7	15.5	17.4	19.4	23.8	33.3	43.2	53.0	62.2	72.3
-72.5°	10.9	12.1	13.2	14.4	16.1	18.2	20.3	22.5	28.0	35.4	42.4
-75°	9.7	10.5	11.5	12.5	13.6	14.8	16.2	18.0	19.8	21.4	22.8
-77.5°	8.6	9.2	9.9	10.7	11.5	12.4	13.5	14.5	15.7	16.9	18.1
-80°	7.5	7.9	8.3	8.8	9.5	10.3	11.0	11.7	12.3	13.1	14.0
-82.5°	6.5	6.7	7.0	7.3	7.7	8.2	8.8	9.4	9.5	9.8	10.1
-85°	5.5	5.6	5.8	5.9	6.2	6.4	6.7	7.0	7.1	7.1	7.1
-87.5°	5.0	5.0	5.1	5.1	5.2	5.2	5.2	5.3	5.4	5.5	5.5
-90°	4.2	4.0	3.7	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.6	5.9	6.1	6.4	6.7	9.2	11.7	14.3	16.8	21.0	25.2
87.5°	3.4	3.1	2.8	2.5	2.2	1.9	1.7	1.4	1.1	1.1	1.1
85°	3.4	3.1	2.8	2.5	2.2	2.2	2.1	2.1	2.1	1.9	1.6
82.5°	3.4	3.1	2.8	2.5	2.2	2.2	2.2	2.2	2.2	1.9	1.7
80°	3.4	3.2	3.1	3.0	3.0	2.8	2.7	2.5	2.2	2.2	2.2
77.5°	3.6	3.6	3.6	3.5	3.4	3.2	2.9	2.5	2.2	2.2	2.2
75°	4.4	4.5	4.6	4.5	4.1	3.8	3.6	3.4	3.2	3.0	2.8
72.5°	7.9	7.9	7.6	7.3	6.6	6.3	6.3	6.2	6.0	5.9	5.8
70°	14.4	14.7	14.1	12.7	10.7	9.4	8.8	8.0	7.1	6.7	6.6
67.5°	20.5	18.8	16.9	15.0	12.6	10.5	9.3	8.2	7.1	6.6	6.3
65°	22.4	18.3	15.3	12.9	11.1	9.5	8.2	7.0	5.8	5.0	4.8
62.5°	19.5	14.6	11.6	9.8	8.5	7.7	6.4	5.3	4.3	3.8	3.9
60°	15.9	10.8	8.0	7.0	6.2	5.6	4.9	4.3	3.7	3.4	3.5
57.5°	11.9	7.8	5.6	5.5	5.2	4.7	4.3	4.0	3.7	3.4	3.4
55°	8.2	6.5	5.6	5.3	5.0	4.7	4.4	4.1	3.7	3.4	3.4
52.5°	6.4	5.9	5.6	5.4	5.1	4.8	4.5	4.1	3.8	3.5	3.4
50°	5.8	5.7	5.7	5.5	5.2	4.9	4.5	4.3	4.3	4.1	4.2
47.5°	6.0	6.2	6.1	5.6	5.4	5.5	5.5	5.5	5.5	5.4	5.3
45°	6.9	6.9	6.8	6.7	6.5	7.1	7.5	7.6	8.8	8.3	7.0
42.5°	8.6	9.0	9.4	10.0	9.2	11.9	15.9	18.6	15.9	12.6	10.6
40°	13.0	13.3	16.1	17.6	20.9	24.6	22.4	18.7	16.7	17.8	18.5
37.5°	20.4	23.9	28.6	33.8	32.5	27.0	27.6	27.5	26.5	28.8	29.0
35°	33.4	41.8	45.8	47.0	44.7	42.9	44.5	46.0	42.6	48.0	49.8
32.5°	54.5	64.8	67.1	64.7	65.0	68.7	71.5	76.7	81.8	90.0	99.7
30°	80.4	91.5	96.7	91.9	92.9	101.9	107.6	119.3	137.9	159.1	185.7
27.5°	119.1	127.3	136.8	138.1	133.7	146.7	167.2	179.5	229.5	262.7	322.4
25°	170.2	183.0	191.3	205.3	212.8	228.7	268.0	305.8	382.7	457.6	584.6
22.5°	237.3	278.2	293.3	291.1	335.4	378.0	411.4	517.4	668.8	890.5	1140.0
20°	325.9	410.1	481.5	504.7	520.5	632.8	748.3	1077.1	1454.1	2083.2	2572.3
17.5°	587.4	615.1	772.1	899.9	960.8	1198.6	1737.9	2565.7	3988.3	5935.0	7131.9
15°	980.7	1059.7	1217.1	1487.5	1822.2	2452.7	3353.0	5991.9	9640.7	13628.2	17424.4
12.5°	1414.9	1579.8	1868.2	2266.5	2797.7	4597.0	7502.3	12467.2	19222.3	26130.7	34941.6
10°	1818.0	2149.4	2622.9	3295.0	4659.1	7732.9	12623.3	21062.8	33028.3	45504.9	57969.4
7.5°	2146.7	2621.0	3313.3	4320.2	6764.9	11699.9	19720.1	32154.7	47496.2	63548.0	80448.1
5°	2478.7	3079.1	3913.0	5131.2	8144.8	14764.7	25432.5	42455.8	62254.3	82479.9	103777.7
2.5°	2766.5	3468.9	4434.3	5857.5	9072.8	16423.5	28878.6	49840.5	73085.9	97289.2	124415.3
0°	2979.2	3694.3	4720.3	6200.9	9987.3	17714.9	30895.8	52023.3	75666.3	100653.7	128377.7
-2.5°	2949.6	3596.3	4526.3	5995.7	9669.5	17481.9	29635.8	50226.0	73365.8	96789.1	121515.2
-5°	2814.9	3377.3	4210.6	5525.8	8572.3	15167.8	26594.8	45570.9	67087.8	88492.8	110493.1
-7.5°	2609.5	3096.1	3826.4	4956.3	7307.1	12500.6	21997.0	36841.1	55339.9	73633.9	90605.1
-10°	2397.3	2793.6	3385.6	4278.4	5955.3	9584.2	16299.7	27396.8	42780.8	57846.4	70851.9
-12.5°	2197.9	2493.0	2914.0	3535.6	4569.2	7174.9	12245.5	20341.8	30617.8	42201.0	53462.5
-15°	2011.8	2230.1	2532.4	3033.8	3861.0	5406.5	8159.3	13554.7	20782.8	28868.1	36652.8
-17.5°	1841.3	2021.2	2257.1	2610.1	3122.7	4078.5	6006.8	9091.6	13455.6	19206.7	24582.6
-20°	1688.4	1851.4	2027.9	2292.4	2686.0	3248.5	4197.9	6112.9	8631.2	12256.1	15811.3



REPORT NUMBER: P701445 (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°
-22.5°	1568.8	1696.8	1833.9	2036.2	2364.4	2763.3	3235.2	4019.7	5405.8	7265.2	9370.9
-25°	1459.4	1554.2	1696.5	1914.2	2139.0	2405.1	2691.2	3005.9	3620.9	4218.9	5321.4
-27.5°	1355.5	1455.5	1603.7	1800.2	2005.2	2129.5	2312.5	2506.9	2801.1	3060.7	3499.9
-30°	1268.7	1373.7	1499.6	1665.4	1838.0	1955.1	2050.3	2191.0	2354.1	2516.9	2705.9
-32.5°	1105.7	1306.1	1393.3	1519.7	1675.2	1798.3	1882.6	1987.1	2074.3	2175.5	2278.2
-35°	927.4	1148.4	1328.9	1410.6	1518.1	1655.1	1774.9	1858.8	1926.3	1988.8	2047.6
-37.5°	725.7	955.4	1152.5	1318.4	1416.8	1508.5	1635.6	1748.5	1829.7	1872.7	1910.9
-40°	648.9	715.3	923.4	1113.7	1261.8	1405.4	1504.4	1615.1	1709.0	1768.3	1812.7
-42.5°	635.8	669.9	696.8	840.9	1020.6	1174.5	1305.6	1434.7	1549.4	1634.5	1703.2
-45°	600.3	640.8	678.7	705.3	732.9	869.0	1015.4	1157.9	1287.4	1403.2	1504.5
-47.5°	542.9	591.4	631.8	670.4	700.5	724.2	751.7	797.1	918.4	1037.4	1150.4
-50°	480.7	524.5	568.3	609.9	642.6	671.2	697.6	720.2	743.0	766.8	789.4
-52.5°	419.1	458.2	497.2	533.7	568.5	601.3	631.8	654.1	673.3	690.1	702.9
-55°	370.6	399.7	428.1	459.1	490.0	518.9	545.3	569.6	591.6	611.3	626.4
-57.5°	317.1	345.7	372.9	396.0	418.6	440.3	462.8	484.3	503.3	519.7	533.0
-60°	261.2	285.6	309.8	332.6	354.3	374.8	393.2	410.2	425.5	438.6	448.4
-62.5°	207.2	226.5	248.2	268.1	285.5	302.2	321.2	338.3	353.5	366.1	375.4
-65°	166.3	180.2	195.8	211.2	226.3	242.6	259.1	273.8	286.7	297.2	305.5
-67.5°	121.2	134.8	150.0	163.8	176.5	190.3	206.1	220.7	233.9	244.6	253.3
-70°	81.8	91.4	103.4	116.3	128.7	141.8	156.3	170.2	183.5	193.6	201.9
-72.5°	49.1	55.4	61.8	70.2	79.0	89.8	101.9	114.0	126.1	134.8	141.7
-75°	24.0	26.6	31.8	36.7	41.1	46.9	53.0	58.8	64.2	68.2	71.4
-77.5°	19.4	20.7	21.9	23.0	24.1	26.7	29.7	32.9	36.1	38.6	41.0
-80°	15.0	15.7	16.5	17.4	18.3	20.2	22.3	24.5	26.6	28.2	29.7
-82.5°	10.5	10.9	11.2	11.6	11.9	13.3	14.8	16.1	17.5	18.8	20.0
-85°	7.1	7.2	7.3	7.4	7.5	8.9	10.3	11.8	13.2	14.4	15.6
-87.5°	5.6	5.6	5.7	5.7	5.7	6.9	8.1	9.2	10.3	11.5	12.5
-90°	3.4	3.1	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.6



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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°	29.5	33.7	30.9	28.1	30.9	33.7	29.5	25.2	21.0	16.8	14.3
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
85°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.6	1.9	2.1	2.1
82.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5
75°	2.5	2.2	2.8	3.4	2.8	2.2	2.5	2.8	3.0	3.2	3.4
72.5°	5.7	5.5	5.6	5.6	5.6	5.5	5.7	5.8	5.9	6.0	6.2
70°	6.6	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.7	7.1	8.0
67.5°	6.0	5.7	5.6	5.6	5.6	5.7	6.0	6.3	6.6	7.1	8.2
65°	4.6	4.5	4.5	4.5	4.5	4.5	4.6	4.8	5.0	5.8	7.0
62.5°	4.2	4.4	4.5	4.5	4.5	4.4	4.2	3.9	3.8	4.3	5.3
60°	3.5	3.5	3.4	3.4	3.4	3.5	3.5	3.5	3.4	3.7	4.3
57.5°	3.4	3.4	3.8	4.5	3.8	3.4	3.4	3.4	3.4	3.7	4.0
55°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.7	4.1
52.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.8	4.1
50°	4.3	4.4	4.5	4.5	4.5	4.4	4.3	4.2	4.1	4.3	4.3
47.5°	5.4	5.5	5.2	4.5	5.2	5.5	5.4	5.3	5.4	5.5	5.5
45°	7.0	6.8	6.7	6.7	6.7	6.8	7.0	7.0	8.3	8.8	7.6
42.5°	10.9	11.0	11.1	11.2	11.1	11.0	10.9	10.6	12.6	15.9	18.6
40°	19.4	19.9	20.0	20.2	20.0	19.9	19.4	18.5	17.8	16.7	18.7
37.5°	29.4	29.9	30.0	30.3	30.0	29.9	29.4	29.0	28.8	26.5	27.5
35°	49.6	49.4	47.7	48.3	47.7	49.4	49.6	49.8	48.0	42.6	46.0
32.5°	106.4	107.2	101.7	93.2	101.7	107.2	106.4	99.7	90.0	81.8	76.7
30°	205.7	223.2	235.1	235.7	235.1	223.2	205.7	185.7	159.1	137.9	119.3
27.5°	362.2	389.6	401.3	407.5	401.3	389.6	362.2	322.4	262.7	229.5	179.5
25°	684.5	747.2	781.1	755.5	781.1	747.2	684.5	584.6	457.6	382.7	305.8
22.5°	1377.2	1497.2	1599.6	1605.2	1599.6	1497.2	1377.2	1140.0	890.5	668.8	517.4
20°	3252.4	3225.1	3483.8	3354.2	3483.8	3225.1	3252.4	2572.3	2083.2	1454.1	1077.1
17.5°	9225.1	10245.5	10809.5	10037.8	10809.5	10245.5	9225.1	7131.9	5935.0	3988.3	2565.7
15°	21208.1	23753.7	25476.2	25256.2	25476.2	23753.7	21208.1	17424.4	13628.2	9640.7	5991.9
12.5°	39876.7	44059.9	47625.4	47475.9	47625.4	44059.9	39876.7	34941.6	26130.7	19222.3	12467.2
10°	69074.3	76367.3	83164.0	83872.2	83164.0	76367.3	69074.3	57969.4	45504.9	33028.3	21062.8
7.5°	95974.5	112397.5	122187.0	124698.6	122187.0	112397.5	95974.5	80448.1	63548.0	47496.2	32154.7
5°	129658.1	148676.6	158965.3	159239.9	158965.3	148676.6	129658.1	103777.7	82479.9	62254.3	42455.8
2.5°	154593.3	176016.3	188649.5	198424.1	188649.5	176016.3	154593.3	124415.3	97289.2	73085.9	49840.5
0°	162009.2	180484.1	201098.5	212559.7	201098.5	180484.1	162009.2	128377.7	100653.7	75666.3	52023.3
-2.5°	152072.3	171415.1	181648.4	190970.9	181648.4	171415.1	152072.3	121515.2	96789.1	73365.8	50226.0
-5°	133194.6	153681.9	163513.9	165612.6	163513.9	153681.9	133194.6	110493.1	88492.8	67087.8	45570.9
-7.5°	105983.1	120402.8	130356.7	134260.4	130356.7	120402.8	105983.1	90605.1	73633.9	55339.9	36841.1
-10°	82946.3	92257.6	97238.7	100550.9	97238.7	92257.6	82946.3	70851.9	57846.4	42780.8	27396.8
-12.5°	62539.1	69270.1	73176.7	74877.2	73176.7	69270.1	62539.1	53462.5	42201.0	30617.8	20341.8
-15°	44515.0	49841.1	52486.4	54170.7	52486.4	49841.1	44515.0	36652.8	28868.1	20782.8	13554.7
-17.5°	30498.7	34781.3	37222.2	38809.8	37222.2	34781.3	30498.7	24582.6	19206.7	13455.6	9091.6
-20°	19513.8	22063.8	23942.1	24489.5	23942.1	22063.8	19513.8	15811.3	12256.1	8631.2	6112.9



REPORT NUMBER: P701445 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	11401.3	12902.7	13848.7	14063.3	13848.7	12902.7	11401.3	9370.9	7265.2	5405.8	4019.7
-25°	6199.1	6853.3	7349.6	7517.7	7349.6	6853.3	6199.1	5321.4	4218.9	3620.9	3005.9
-27.5°	3806.9	4059.8	4243.1	4337.5	4243.1	4059.8	3806.9	3499.9	3060.7	2801.1	2506.9
-30°	2863.4	2978.8	3047.6	3093.7	3047.6	2978.8	2863.4	2705.9	2516.9	2354.1	2191.0
-32.5°	2351.0	2402.6	2433.7	2455.0	2433.7	2402.6	2351.0	2278.2	2175.5	2074.3	1987.1
-35°	2094.1	2127.6	2150.6	2162.0	2150.6	2127.6	2094.1	2047.6	1988.8	1926.3	1858.8
-37.5°	1939.4	1960.5	1975.8	1984.7	1975.8	1960.5	1939.4	1910.9	1872.7	1829.7	1748.5
-40°	1833.9	1848.7	1861.0	1874.7	1861.0	1848.7	1833.9	1812.7	1768.3	1709.0	1615.1
-42.5°	1737.7	1759.7	1770.7	1773.6	1770.7	1759.7	1737.7	1703.2	1634.5	1549.4	1434.7
-45°	1582.1	1643.2	1680.7	1692.8	1680.7	1643.2	1582.1	1504.5	1403.2	1287.4	1157.9
-47.5°	1254.4	1345.9	1414.9	1457.1	1414.9	1345.9	1254.4	1150.4	1037.4	918.4	797.1
-50°	810.5	829.8	837.5	832.9	837.5	829.8	810.5	789.4	766.8	743.0	720.2
-52.5°	712.9	720.7	727.2	731.9	727.2	720.7	712.9	702.9	690.1	673.3	654.1
-55°	638.3	647.0	655.3	662.3	655.3	647.0	638.3	626.4	611.3	591.6	569.6
-57.5°	544.2	553.1	556.4	555.7	556.4	553.1	544.2	533.0	519.7	503.3	484.3
-60°	456.5	462.8	467.5	470.3	467.5	462.8	456.5	448.4	438.6	425.5	410.2
-62.5°	382.8	388.3	394.4	399.6	394.4	388.3	382.8	375.4	366.1	353.5	338.3
-65°	312.6	318.4	323.0	326.7	323.0	318.4	312.6	305.5	297.2	286.7	273.8
-67.5°	261.1	267.9	273.1	277.3	273.1	267.9	261.1	253.3	244.6	233.9	220.7
-70°	209.5	216.3	220.5	223.4	220.5	216.3	209.5	201.9	193.6	183.5	170.2
-72.5°	147.6	152.6	154.9	156.0	154.9	152.6	147.6	141.7	134.8	126.1	114.0
-75°	74.2	76.7	78.9	80.8	78.9	76.7	74.2	71.4	68.2	64.2	58.8
-77.5°	43.4	45.6	47.1	48.3	47.1	45.6	43.4	41.0	38.6	36.1	32.9
-80°	31.1	32.4	33.6	34.8	33.6	32.4	31.1	29.7	28.2	26.6	24.5
-82.5°	21.2	22.4	23.0	23.6	23.0	22.4	21.2	20.0	18.8	17.5	16.1
-85°	16.8	18.0	18.5	19.1	18.5	18.0	16.8	15.6	14.4	13.2	11.8
-87.5°	13.6	14.7	15.2	15.7	15.2	14.7	13.6	12.5	11.5	10.3	9.2
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.4



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	11.7	9.2	6.7	6.4	6.1	5.9	5.6	5.3	5.1	4.8	4.5
87.5°	1.7	1.9	2.2	2.5	2.8	3.1	3.4	3.4	3.4	3.4	3.4
85°	2.1	2.2	2.2	2.5	2.8	3.1	3.4	3.4	3.4	3.4	3.4
82.5°	2.2	2.2	2.2	2.5	2.8	3.1	3.4	3.5	3.6	3.6	3.6
80°	2.7	2.8	3.0	3.0	3.1	3.2	3.4	3.7	4.0	4.2	4.3
77.5°	2.9	3.2	3.4	3.5	3.6	3.6	3.6	3.7	4.0	4.3	4.5
75°	3.6	3.8	4.1	4.5	4.6	4.5	4.4	4.3	4.3	4.4	4.5
72.5°	6.3	6.3	6.6	7.3	7.6	7.9	7.9	7.3	6.4	5.3	4.5
70°	8.8	9.4	10.7	12.7	14.1	14.7	14.4	13.3	11.5	10.0	8.0
67.5°	9.3	10.5	12.6	15.0	16.9	18.8	20.5	21.9	21.3	19.2	13.8
65°	8.2	9.5	11.1	12.9	15.3	18.3	22.4	24.9	26.3	26.6	22.1
62.5°	6.4	7.7	8.5	9.8	11.6	14.6	19.5	24.0	27.9	29.1	24.8
60°	4.9	5.6	6.2	7.0	8.0	10.8	15.9	21.2	26.8	26.9	24.9
57.5°	4.3	4.7	5.2	5.5	5.6	7.8	11.9	17.2	23.0	23.0	22.3
55°	4.4	4.7	5.0	5.3	5.6	6.5	8.2	11.7	16.5	17.7	17.6
52.5°	4.5	4.8	5.1	5.4	5.6	5.9	6.4	8.4	10.2	12.1	13.0
50°	4.5	4.9	5.2	5.5	5.7	5.7	5.8	6.4	7.4	8.6	9.5
47.5°	5.5	5.5	5.4	5.6	6.1	6.2	6.0	5.9	6.6	6.8	7.7
45°	7.5	7.1	6.5	6.7	6.8	6.9	6.9	7.2	7.0	7.0	6.7
42.5°	15.9	11.9	9.2	10.0	9.4	9.0	8.6	9.2	8.9	8.1	8.7
40°	22.4	24.6	20.9	17.6	16.1	13.3	13.0	12.3	11.8	10.4	12.0
37.5°	27.6	27.0	32.5	33.8	28.6	23.9	20.4	17.8	15.8	16.2	17.2
35°	44.5	42.9	44.7	47.0	45.8	41.8	33.4	26.5	23.1	23.5	23.5
32.5°	71.5	68.7	65.0	64.7	67.1	64.8	54.5	40.8	35.3	33.1	31.2
30°	107.6	101.9	92.9	91.9	96.7	91.5	80.4	70.8	58.6	44.6	40.2
27.5°	167.2	146.7	133.7	138.1	136.8	127.3	119.1	109.4	88.6	66.8	54.0
25°	268.0	228.7	212.8	205.3	191.3	183.0	170.2	153.3	128.6	101.0	88.5
22.5°	411.4	378.0	335.4	291.1	293.3	278.2	237.3	201.9	192.9	193.0	152.6
20°	748.3	632.8	520.5	504.7	481.5	410.1	325.9	320.4	351.6	322.9	238.6
17.5°	1737.9	1198.6	960.8	899.9	772.1	615.1	587.4	558.2	540.5	484.0	341.4
15°	3353.0	2452.7	1822.2	1487.5	1217.1	1059.7	980.7	829.9	758.8	663.0	494.6
12.5°	7502.3	4597.0	2797.7	2266.5	1868.2	1579.8	1414.9	1187.8	1006.8	891.3	723.5
10°	12623.3	7732.9	4659.1	3295.0	2622.9	2149.4	1818.0	1515.9	1268.3	1134.6	959.3
7.5°	19720.1	11699.9	6764.9	4320.2	3313.3	2621.0	2146.7	1800.5	1520.7	1371.7	1196.9
5°	25432.5	14764.7	8144.8	5131.2	3913.0	3079.1	2478.7	2057.5	1763.8	1602.1	1430.1
2.5°	28878.6	16423.5	9072.8	5857.5	4434.3	3468.9	2766.5	2251.7	1936.9	1736.3	1548.8
0°	30895.8	17714.9	9987.3	6200.9	4720.3	3694.3	2979.2	2393.3	2073.3	1845.5	1651.3
-2.5°	29635.8	17481.9	9669.5	5995.7	4526.3	3596.3	2949.6	2437.1	2124.0	1883.0	1655.8
-5°	26594.8	15167.8	8572.3	5525.8	4210.6	3377.3	2814.9	2393.6	2111.6	1889.2	1639.1
-7.5°	21997.0	12500.6	7307.1	4956.3	3826.4	3096.1	2609.5	2249.4	1984.2	1790.5	1537.5
-10°	16299.7	9584.2	5955.3	4278.4	3385.6	2793.6	2397.3	2085.4	1854.4	1687.6	1420.3
-12.5°	12245.5	7174.9	4569.2	3535.6	2914.0	2493.0	2197.9	1912.7	1725.8	1583.4	1290.5
-15°	8159.3	5406.5	3861.0	3033.8	2532.4	2230.1	2011.8	1767.9	1629.1	1484.1	1150.4
-17.5°	6006.8	4078.5	3122.7	2610.1	2257.1	2021.2	1841.3	1664.7	1530.5	1358.5	1001.6
-20°	4197.9	3248.5	2686.0	2292.4	2027.9	1851.4	1688.4	1556.0	1421.3	1182.0	850.8



REPORT NUMBER: P701445 (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°	3235.2	2763.3	2364.4	2036.2	1833.9	1696.8	1568.8	1448.1	1302.5	995.8	703.2
-25°	2691.2	2405.1	2139.0	1914.2	1696.5	1554.2	1459.4	1345.3	1123.4	819.8	578.1
-27.5°	2312.5	2129.5	2005.2	1800.2	1603.7	1455.5	1355.5	1229.3	947.5	686.0	553.5
-30°	2050.3	1955.1	1838.0	1665.4	1499.6	1373.7	1268.7	1040.4	791.6	582.3	540.3
-32.5°	1882.6	1798.3	1675.2	1519.7	1393.3	1306.1	1105.7	861.0	635.6	567.5	522.0
-35°	1774.9	1655.1	1518.1	1410.6	1328.9	1148.4	927.4	694.0	591.2	548.9	500.6
-37.5°	1635.6	1508.5	1416.8	1318.4	1152.5	955.4	725.7	621.0	574.5	524.3	472.4
-40°	1504.4	1405.4	1261.8	1113.7	923.4	715.3	648.9	608.5	552.5	494.6	439.9
-42.5°	1305.6	1174.5	1020.6	840.9	696.8	669.9	635.8	580.6	522.3	461.1	406.0
-45°	1015.4	869.0	732.9	705.3	678.7	640.8	600.3	541.2	480.1	423.6	370.5
-47.5°	751.7	724.2	700.5	670.4	631.8	591.4	542.9	489.7	434.9	383.4	341.4
-50°	697.6	671.2	642.6	609.9	568.3	524.5	480.7	436.5	389.9	349.5	309.5
-52.5°	631.8	601.3	568.5	533.7	497.2	458.2	419.1	386.8	350.7	312.0	273.7
-55°	545.3	518.9	490.0	459.1	428.1	399.7	370.6	340.0	306.9	271.0	236.7
-57.5°	462.8	440.3	418.6	396.0	372.9	345.7	317.1	288.6	260.3	228.5	199.0
-60°	393.2	374.8	354.3	332.6	309.8	285.6	261.2	236.2	210.9	190.1	168.5
-62.5°	321.2	302.2	285.5	268.1	248.2	226.5	207.2	191.0	174.3	156.2	135.2
-65°	259.1	242.6	226.3	211.2	195.8	180.2	166.3	151.2	135.1	118.5	100.1
-67.5°	206.1	190.3	176.5	163.8	150.0	134.8	121.2	107.8	95.9	83.9	69.3
-70°	156.3	141.8	128.7	116.3	103.4	91.4	81.8	72.3	62.2	53.0	43.2
-72.5°	101.9	89.8	79.0	70.2	61.8	55.4	49.1	42.4	35.4	28.0	22.5
-75°	53.0	46.9	41.1	36.7	31.8	26.6	24.0	22.8	21.4	19.8	18.0
-77.5°	29.7	26.7	24.1	23.0	21.9	20.7	19.4	18.1	16.9	15.7	14.5
-80°	22.3	20.2	18.3	17.4	16.5	15.7	15.0	14.0	13.1	12.3	11.7
-82.5°	14.8	13.3	11.9	11.6	11.2	10.9	10.5	10.1	9.8	9.5	9.4
-85°	10.3	8.9	7.5	7.4	7.3	7.2	7.1	7.1	7.1	7.1	7.0
-87.5°	8.1	6.9	5.7	5.7	5.7	5.6	5.6	5.5	5.5	5.4	5.3
-90°	1.7	1.9	2.2	2.5	2.8	3.1	3.4	3.4	3.4	3.4	3.4



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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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	3.6	3.8	3.9	4.0	4.1	4.2	4.4	4.5	4.5	4.5	4.5
85°	3.7	4.0	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	3.7	4.0	4.3	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	4.3	4.3	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	4.5	4.5	4.5	4.6	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.6	4.8	4.8	4.7	4.5	4.5	4.5	4.5
70°	6.1	4.8	4.5	4.6	4.8	5.2	5.1	4.9	4.5	4.5	4.5
67.5°	9.0	6.9	5.4	4.6	4.6	4.9	5.5	5.3	4.9	4.5	4.5
65°	15.8	10.6	6.6	5.5	4.8	4.6	5.0	5.5	5.3	4.9	4.5
62.5°	20.4	15.6	10.6	7.0	5.2	4.7	4.6	5.2	5.6	5.2	4.7
60°	22.5	18.0	14.4	10.6	6.9	4.8	4.6	4.9	5.4	5.5	5.0
57.5°	20.5	19.1	16.4	13.3	9.7	6.1	4.6	4.9	5.3	5.5	5.3
55°	17.3	16.8	17.2	15.0	11.9	8.3	5.4	5.0	5.2	5.5	5.6
52.5°	12.9	14.7	16.4	15.9	13.2	10.3	7.1	5.0	5.2	5.5	5.6
50°	9.5	12.3	15.3	16.0	14.3	11.4	8.6	6.1	5.3	5.5	5.7
47.5°	8.8	11.1	13.6	16.2	15.2	12.5	9.7	7.0	5.4	5.6	5.7
45°	9.1	11.0	12.9	15.1	16.2	13.3	10.6	7.7	5.9	5.7	5.8
42.5°	10.0	11.8	13.2	14.5	15.5	13.9	11.5	8.4	6.3	5.9	6.0
40°	13.0	13.2	14.0	15.2	15.0	14.2	11.8	9.2	6.5	6.1	6.1
37.5°	16.9	16.2	15.8	17.5	15.6	14.2	12.0	9.8	7.2	6.6	6.3
35°	22.6	20.6	19.6	21.0	18.8	14.6	11.9	10.2	8.4	7.1	6.5
32.5°	29.1	27.8	26.6	25.2	23.3	15.4	12.2	11.2	9.6	7.6	6.8
30°	39.1	40.7	35.1	29.8	28.4	19.5	13.8	12.4	10.9	8.1	7.1
27.5°	61.1	57.5	45.9	37.3	32.8	25.2	17.2	13.9	12.2	8.9	7.5
25°	89.6	79.9	62.5	46.5	37.6	40.8	21.3	15.6	13.4	9.9	7.9
22.5°	123.9	107.3	81.8	56.6	59.2	61.2	29.9	18.8	14.7	10.9	8.4
20°	162.5	138.8	110.4	94.1	86.6	80.6	44.9	22.4	16.2	12.0	8.8
17.5°	211.2	197.7	179.3	143.1	117.8	102.1	62.5	26.2	17.7	13.0	9.2
15°	345.7	288.2	255.6	198.0	151.1	125.2	82.0	30.2	19.2	13.9	9.7
12.5°	508.1	380.6	337.5	257.3	186.0	149.5	102.9	34.3	20.8	15.0	10.3
10°	681.9	474.0	423.1	319.5	221.9	174.6	124.3	39.2	23.5	16.2	11.0
7.5°	861.5	567.9	510.5	382.9	257.6	199.6	148.0	46.2	26.4	17.3	11.7
5°	1023.3	647.0	580.6	436.9	289.5	223.6	171.0	53.2	29.3	18.4	12.3
2.5°	1101.3	702.5	636.2	486.7	320.2	246.5	192.3	59.9	32.1	19.3	12.9
0°	1163.0	755.5	687.0	532.1	349.1	268.3	211.0	66.2	34.8	20.2	13.5
-2.5°	1168.9	754.2	680.2	531.4	359.4	276.9	215.0	75.8	42.8	25.6	16.1
-5°	1156.9	749.8	668.9	526.1	367.3	283.8	216.1	84.7	50.4	30.8	18.6
-7.5°	1088.7	724.9	647.0	515.7	372.8	288.8	214.6	92.9	57.5	35.7	20.8
-10°	995.3	687.1	611.9	492.2	366.7	288.1	210.7	100.1	64.0	40.0	22.8
-12.5°	886.6	648.5	576.3	467.1	357.0	282.7	204.0	106.8	69.8	43.8	24.5
-15°	763.1	609.7	541.6	441.1	345.6	276.3	196.4	112.5	75.0	47.2	25.7
-17.5°	629.8	571.1	508.8	415.0	332.6	269.1	188.6	117.1	79.6	50.4	27.2
-20°	589.4	541.3	477.9	389.8	318.1	261.2	180.8	120.5	83.3	52.8	28.5



REPORT NUMBER: P701445 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	566.3	517.5	450.8	370.2	304.5	252.7	173.6	122.6	86.2	54.4	29.3
-25°	543.8	493.5	424.7	353.0	293.3	240.6	171.0	123.4	88.2	55.0	29.3
-27.5°	518.1	467.9	398.8	334.6	282.6	230.5	171.1	125.1	89.1	54.6	28.7
-30°	491.6	438.5	376.0	316.7	270.9	218.2	169.6	125.7	88.4	53.7	27.3
-32.5°	469.9	410.2	353.1	302.6	256.7	205.4	163.2	125.1	86.4	52.0	26.2
-35°	443.6	384.9	329.8	287.6	241.3	194.8	154.5	123.3	83.0	49.2	24.9
-37.5°	415.3	359.7	312.5	271.0	225.4	182.7	146.6	115.1	78.2	45.3	22.9
-40°	385.9	335.7	294.5	253.1	210.2	169.3	137.6	104.9	72.6	40.2	20.3
-42.5°	355.3	314.1	273.7	234.4	194.0	158.1	127.2	93.7	63.8	35.8	17.0
-45°	329.6	289.9	250.6	213.4	177.0	145.8	113.6	81.6	53.9	31.2	14.5
-47.5°	301.3	262.7	226.1	191.1	161.8	131.5	98.8	69.7	43.4	25.7	13.8
-50°	269.6	234.1	200.3	171.0	144.5	113.8	83.4	57.0	35.8	19.0	12.9
-52.5°	237.6	204.7	176.4	151.1	123.6	94.8	68.3	44.0	27.9	16.0	11.9
-55°	204.3	177.7	153.8	128.1	101.3	76.4	52.3	34.8	19.6	14.5	10.9
-57.5°	175.5	152.3	127.9	103.1	79.8	57.6	39.5	25.1	16.4	13.0	10.2
-60°	146.6	123.3	100.3	79.1	58.5	41.6	28.4	17.7	14.6	11.6	9.5
-62.5°	114.1	93.4	74.1	55.3	40.9	28.9	18.6	15.7	12.8	10.6	8.7
-65°	83.3	65.7	48.3	37.6	26.8	18.7	16.3	13.7	11.6	9.7	7.9
-67.5°	53.9	42.6	31.7	22.0	18.3	16.1	14.0	12.2	10.4	8.7	7.4
-70°	33.3	23.8	19.4	17.4	15.5	13.7	12.4	10.9	9.3	8.0	6.8
-72.5°	20.3	18.2	16.1	14.4	13.2	12.1	10.9	9.7	8.5	7.4	6.2
-75°	16.2	14.8	13.6	12.5	11.5	10.5	9.7	8.9	7.8	6.7	6.0
-77.5°	13.5	12.4	11.5	10.7	9.9	9.2	8.6	8.0	7.1	6.3	5.8
-80°	11.0	10.3	9.5	8.8	8.3	7.9	7.5	7.1	6.5	6.0	5.7
-82.5°	8.8	8.2	7.7	7.3	7.0	6.7	6.5	6.2	5.8	5.6	5.5
-85°	6.7	6.4	6.2	5.9	5.8	5.6	5.5	5.4	5.3	5.3	5.2
-87.5°	5.2	5.2	5.2	5.1	5.1	5.0	5.0	5.0	4.9	4.9	4.8
-90°	3.4	3.4	3.4	3.4	3.7	4.0	4.2	4.5	4.5	4.5	4.5



REPORT NUMBER: P701445 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
67.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
65°	4.6	4.5	4.5	4.5	4.5	4.5	4.5
62.5°	4.6	4.6	4.5	4.5	4.5	4.5	4.5
60°	4.7	4.7	4.5	4.5	4.5	4.5	4.5
57.5°	4.9	4.8	4.6	4.5	4.5	4.5	4.5
55°	5.1	4.9	4.7	4.5	4.5	4.5	4.5
52.5°	5.3	5.1	4.8	4.5	4.5	4.5	4.5
50°	5.5	5.2	5.0	4.5	4.6	4.5	4.5
47.5°	5.6	5.3	5.1	4.5	4.6	4.5	4.5
45°	5.7	5.4	5.2	4.6	4.6	4.5	4.5
42.5°	5.8	5.5	5.4	4.7	4.7	4.5	4.5
40°	5.9	5.5	5.4	4.9	4.7	4.5	4.5
37.5°	6.1	5.6	5.5	5.0	4.8	4.5	4.5
35°	6.2	5.7	5.5	5.1	4.8	4.5	4.5
32.5°	6.4	5.8	5.6	5.2	4.8	4.5	4.5
30°	6.6	5.9	5.6	5.3	4.9	4.5	4.5
27.5°	6.8	6.0	5.6	5.3	5.0	4.5	4.5
25°	7.0	6.2	5.6	5.4	5.0	4.5	4.5
22.5°	7.2	6.3	5.6	5.5	5.1	4.5	4.5
20°	7.4	6.4	5.6	5.5	5.1	4.5	4.5
17.5°	7.6	6.4	5.6	5.5	5.2	4.5	4.5
15°	7.6	6.5	5.6	5.6	5.3	4.5	4.5
12.5°	7.7	6.6	5.6	5.6	5.3	4.5	4.5
10°	7.8	6.6	5.6	5.6	5.4	4.5	4.5
7.5°	7.8	6.7	5.6	5.6	5.4	4.5	4.5
5°	7.9	6.7	5.6	5.6	5.5	4.5	4.5
2.5°	7.9	6.7	5.6	5.6	5.5	4.5	4.5
0°	7.9	6.7	5.6	5.6	5.6	4.5	4.5
-2.5°	8.9	6.9	5.7	5.6	5.6	4.5	4.5
-5°	9.9	7.2	5.8	5.6	5.6	4.5	4.5
-7.5°	10.8	7.4	5.9	5.6	5.6	4.5	4.5
-10°	11.7	7.6	6.0	5.6	5.6	4.5	4.5
-12.5°	12.4	7.8	6.0	5.6	5.5	4.5	4.5
-15°	12.9	7.9	6.1	5.6	5.5	4.5	4.5
-17.5°	13.3	8.0	6.1	5.6	5.5	4.5	4.5
-20°	13.7	8.0	6.2	5.6	5.5	4.5	4.5



REPORT NUMBER: P701445 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.1	8.1	6.2	5.6	5.4	4.5	4.5
-25°	14.2	8.1	6.2	5.6	5.4	4.5	4.5
-27.5°	13.9	8.2	6.2	5.6	5.4	4.5	4.5
-30°	13.2	8.2	6.1	5.6	5.3	4.5	4.5
-32.5°	12.0	8.1	6.1	5.6	5.3	4.5	4.5
-35°	11.5	8.0	6.1	5.6	5.2	4.5	4.5
-37.5°	11.4	7.8	6.1	5.6	5.1	4.5	4.5
-40°	11.1	7.8	6.0	5.6	5.1	4.5	4.5
-42.5°	10.7	7.7	6.0	5.6	5.0	4.5	4.5
-45°	10.2	7.5	6.0	5.6	5.0	4.5	4.5
-47.5°	9.6	7.3	6.0	5.6	4.9	4.5	4.5
-50°	9.2	7.1	5.9	5.5	4.8	4.5	4.5
-52.5°	8.9	6.8	5.9	5.4	4.7	4.5	4.5
-55°	8.4	6.6	5.8	5.3	4.7	4.5	4.5
-57.5°	7.9	6.5	5.7	5.2	4.6	4.5	4.5
-60°	7.4	6.3	5.6	5.1	4.5	4.5	4.5
-62.5°	7.0	6.0	5.5	5.0	4.5	4.5	4.5
-65°	6.6	5.7	5.4	4.9	4.5	4.5	4.5
-67.5°	6.2	5.6	5.3	4.8	4.5	4.5	4.5
-70°	5.7	5.5	5.2	4.7	4.5	4.5	4.5
-72.5°	5.6	5.4	5.1	4.7	4.5	4.5	4.5
-75°	5.6	5.4	5.0	4.7	4.5	4.5	4.5
-77.5°	5.6	5.3	5.0	4.7	4.5	4.5	4.5
-80°	5.6	5.2	4.9	4.6	4.5	4.5	4.5
-82.5°	5.3	5.0	4.8	4.6	4.5	4.5	4.5
-85°	5.1	4.9	4.7	4.6	4.5	4.5	4.5
-87.5°	4.8	4.7	4.6	4.5	4.5	4.5	4.5
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5

(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

