

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: P701417 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-70-2S-CV5-S**

Issue Date: 8/29/2023

Test Information

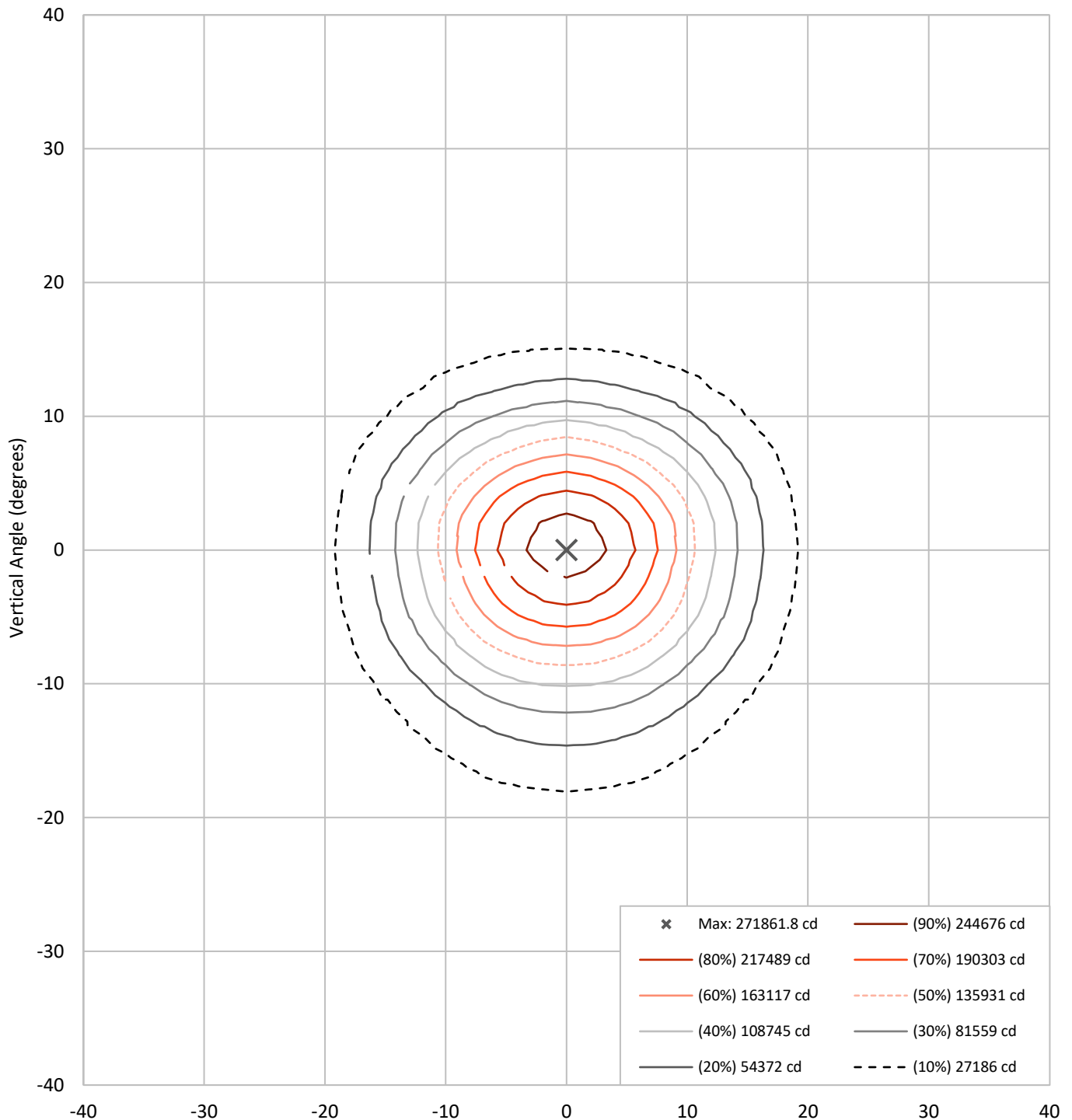
Test Method: LM-79-08
Report Number: P701417 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-9)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-57-70-2S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 2S 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:	36668.6 lumens	Max Intensity:	271861.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	105.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.3°H x 17°V	Field Angle (10%):	38.4°H x 32.9°V
Beam Lumens:	16047 lumens	Field Lumens:	31060.2 lumens
Beam Efficiency:	43.8%	Field Efficiency:	84.7%
Input Watts (W):	346.9		
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





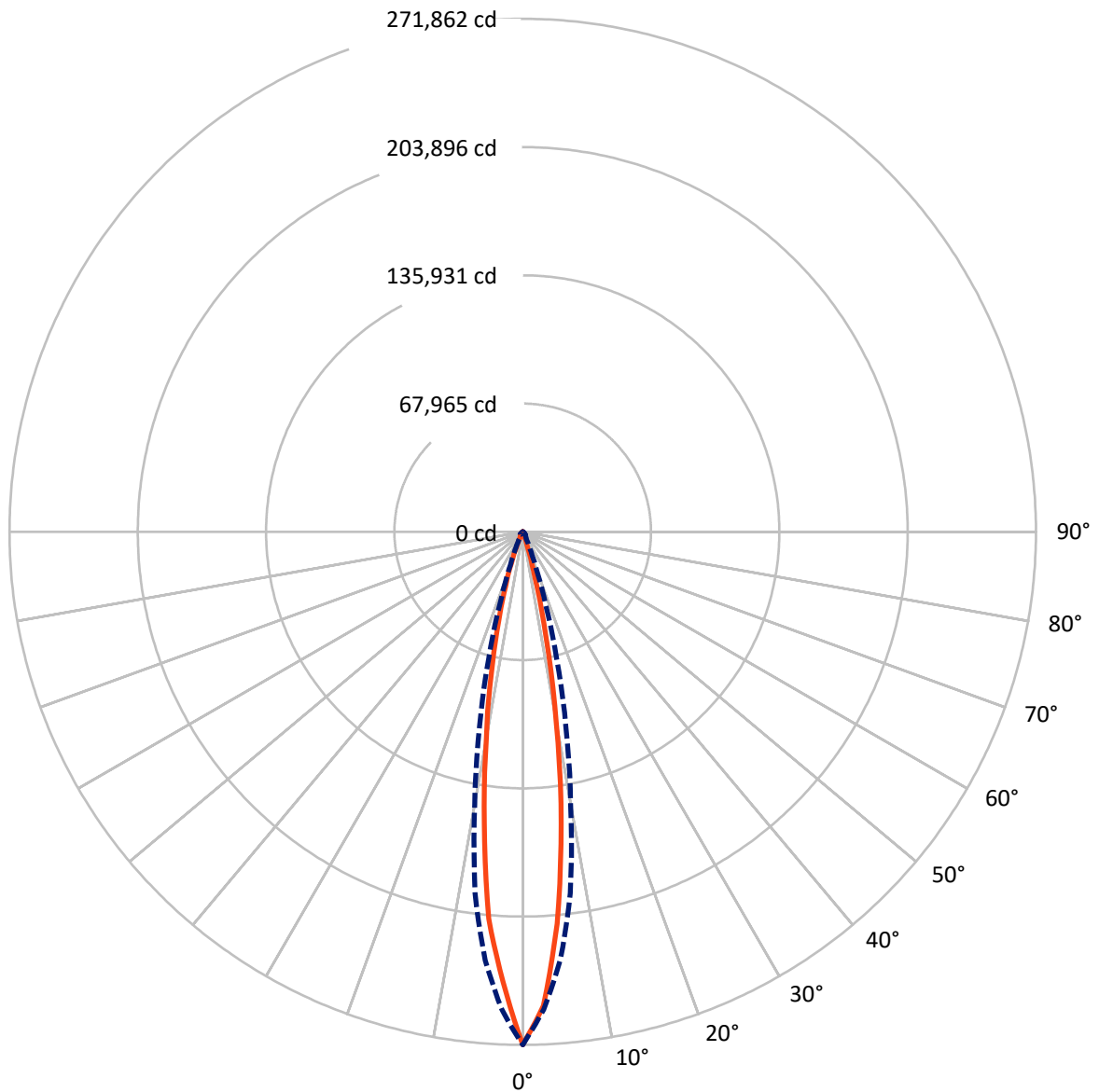
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Lumen Table

90	0.1		0.3		0.4		0.4		0.6		0.4		0.4		0.3		0.1	
80	0.1		0.3		0.4		0.4		0.6		0.4		0.4		0.3		0.1	
70	0.1	0.1	0.1	0.4	0.5	0.3	0.1	0.1	0.1	0.1	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	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.1	0.1		
40		0.2	0.4	0.5	1.0	1.4	1.5	1.8	1.8	1.5	1.4	1.0	0.5	0.4	0.2			
30	0.2	0.3	0.9	2.3	4.6	5.9	10.4	22.0	22.0	10.4	5.9	4.6	2.3	0.9	0.3	0.2		
20		0.7	3.4	11.3	23.5	42.7	295.0	908.6	908.6	295.0	42.7	23.5	11.3	3.4	0.7			
10	0.2	1.3	7.0	27.4	54.9	174.5	1703.2	5062.9	5062.9	1703.2	174.5	54.9	27.4	7.0	1.3	0.2		
0		1.7	8.3	32.0	62.7	182.0	1738.5	5090.2	5090.2	1738.5	182.0	62.7	32.0	8.3	1.7			
-10	0.4	1.8	7.3	23.9	48.4	78.6	480.1	1426.1	1426.1	480.1	78.6	48.4	23.9	7.3	1.8	0.4		
-20		1.7	6.1	14.2	36.0	51.2	77.4	162.3	162.3	77.4	51.2	36.0	14.2	6.1	1.7			
-30	0.3	1.5	5.0	9.8	22.1	42.2	53.7	57.7	57.7	53.7	42.2	22.1	9.8	5.0	1.5	0.3		
-40		1.1	3.7	7.9	13.3	21.6	35.1	45.6	45.6	35.1	21.6	13.3	7.9	3.7	1.1			
-50	0.2	0.5	2.1	5.0	9.0	13.1	16.2	18.1	18.1	16.2	13.1	9.0	5.0	2.1	0.5	0.2		
-60		0.2	0.7	2.1	4.0	6.2	8.4	9.8	9.8	8.4	6.2	4.0	2.1	0.7	0.2			
-70	0.1	0.7	1.8	4.6	7.2	4.6	1.8	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
-80		0.1	0.3	0.4	0.4	0.6	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1			
-90	0.1		0.3		0.4		0.4		0.6		0.4		0.4		0.3		0.1	

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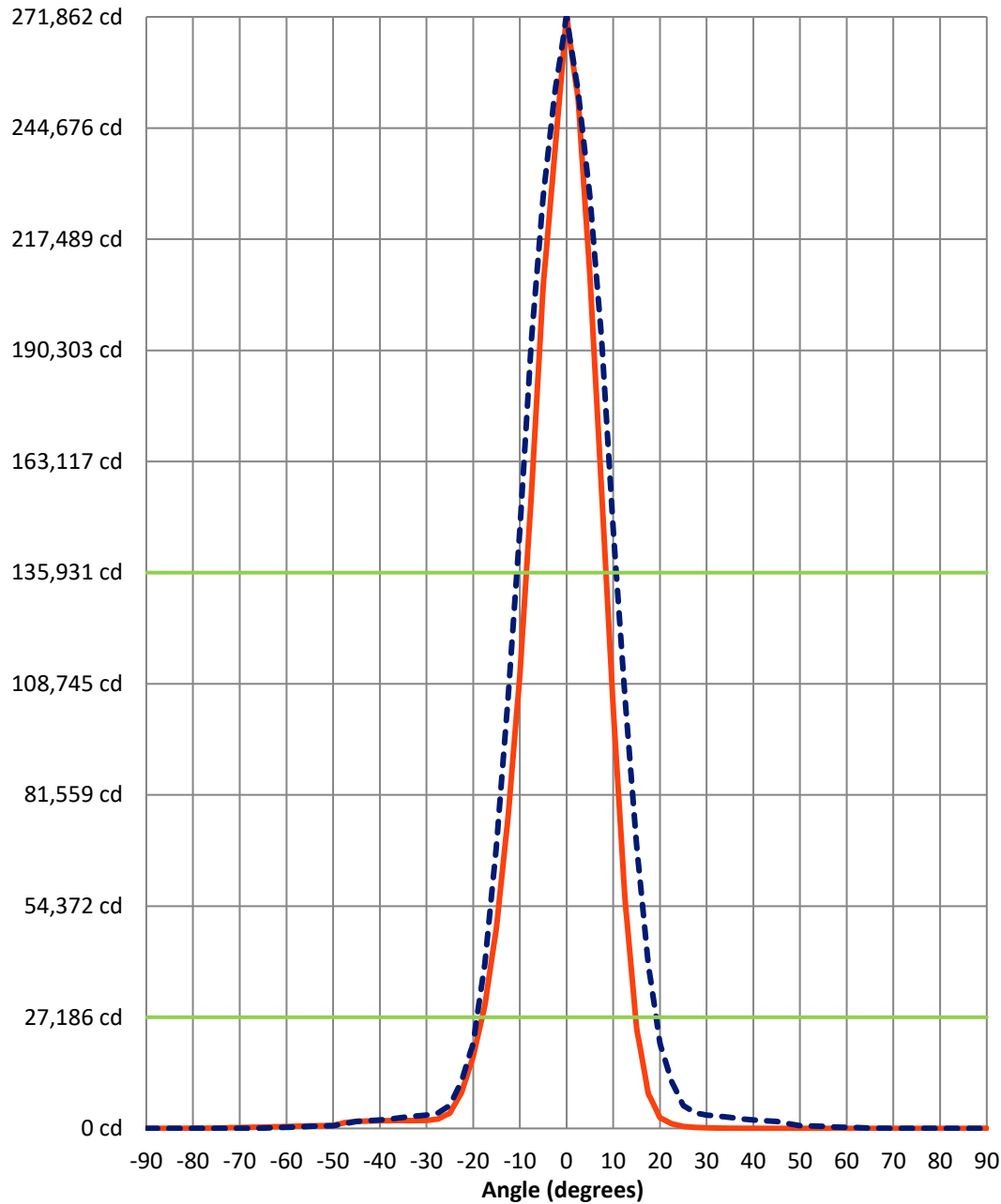
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 21.3°
V Angle: 17°
Lumens: 16047
Efficiency: 43.8%

Field:
H Angle: 38.4°
V Angle: 32.9°
Lumens: 31060.2
Efficiency: 84.7%

Spill:
Lumens: 5608.4
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°	4.5	4.5	4.5	4.8	5.1	5.4	5.7	6.0	6.3	6.5	6.8
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.3	4.1	4.0	3.9
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.3	4.3	4.3
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	4.6	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.5	4.6	4.7	4.6	4.5	4.5	4.5	4.5
70°	4.5	4.5	4.5	4.5	4.7	4.8	4.6	4.5	4.5	4.5	4.6
67.5°	4.5	4.5	4.5	4.6	4.9	4.9	4.6	4.5	4.5	4.7	4.6
65°	4.5	4.5	4.5	4.8	5.0	4.9	4.7	4.5	4.8	4.9	4.8
62.5°	4.5	4.5	4.5	4.9	5.1	5.0	4.7	4.7	5.0	5.1	4.8
60°	4.5	4.5	4.5	5.0	5.3	5.0	4.7	5.0	5.3	5.1	4.9
57.5°	4.5	4.5	4.6	5.1	5.3	5.0	5.0	5.4	5.5	5.2	5.2
55°	4.5	4.5	4.7	5.3	5.3	5.1	5.3	5.7	5.5	5.3	5.7
52.5°	4.5	4.5	4.8	5.4	5.3	5.1	5.6	5.8	5.6	5.8	6.2
50°	4.5	4.5	4.8	5.5	5.4	5.4	5.9	5.9	5.7	6.2	7.1
47.5°	4.5	4.5	4.9	5.6	5.4	5.6	6.1	6.1	6.1	6.6	7.9
45°	4.5	4.5	5.0	5.7	5.4	5.8	6.3	6.2	6.5	7.1	8.5
42.5°	4.5	4.5	5.1	5.7	5.5	6.0	6.4	6.5	6.9	7.5	9.4
40°	4.5	4.5	5.1	5.7	5.6	6.3	6.6	6.8	7.3	7.7	10.3
37.5°	4.5	4.5	5.2	5.7	5.8	6.5	6.8	7.2	7.9	8.5	11.0
35°	4.5	4.5	5.3	5.8	5.9	6.6	7.0	7.5	8.4	9.7	11.4
32.5°	4.5	4.5	5.3	5.8	6.1	6.8	7.2	7.8	9.1	11.0	12.4
30°	4.5	4.5	5.4	5.9	6.2	7.0	7.5	8.2	9.8	12.2	13.5
27.5°	4.5	4.5	5.4	5.9	6.3	7.1	7.8	8.8	10.6	13.4	14.8
25°	4.5	4.5	5.5	6.0	6.4	7.3	8.0	9.3	11.6	14.6	16.4
22.5°	4.5	4.5	5.5	6.1	6.5	7.5	8.3	9.9	12.6	15.8	19.5
20°	4.5	4.5	5.6	6.1	6.6	7.6	8.5	10.5	13.6	17.1	23.0
17.5°	4.5	4.5	5.6	6.2	6.7	7.6	8.8	11.1	14.6	18.4	26.7
15°	4.5	4.5	5.6	6.3	6.7	7.7	9.0	11.6	15.5	19.8	30.6
12.5°	4.5	4.5	5.6	6.4	6.8	7.8	9.2	12.1	16.4	21.2	34.6
10°	4.5	4.5	5.7	6.5	6.8	7.8	9.4	12.5	17.3	23.6	39.3
7.5°	4.5	4.5	5.7	6.6	6.8	7.9	9.6	12.8	18.2	26.2	45.6
5°	4.5	4.5	5.7	6.6	6.8	7.9	9.8	13.1	19.0	28.9	51.8
2.5°	4.5	4.5	5.7	6.7	6.8	7.9	10.0	13.4	19.7	31.5	57.8
0°	4.5	4.5	5.7	6.8	6.8	7.9	10.2	13.6	20.4	33.9	63.3
-2.5°	4.5	4.5	5.7	6.9	7.0	8.1	11.1	16.2	25.7	42.0	73.5
-5°	4.5	4.6	5.8	6.9	7.2	8.4	11.9	18.7	30.7	49.6	83.1
-7.5°	4.5	4.6	5.8	7.0	7.4	8.6	12.7	21.1	35.4	56.8	91.8
-10°	4.5	4.6	5.9	7.0	7.5	8.8	13.4	23.1	39.7	63.3	99.6
-12.5°	4.5	4.6	5.9	7.1	7.7	9.0	13.9	24.9	43.3	69.1	106.3
-15°	4.5	4.7	5.9	7.1	7.9	9.2	14.4	26.2	46.6	74.0	111.8
-17.5°	4.5	4.7	5.9	7.1	8.0	9.4	14.6	27.6	49.5	78.1	116.1
-20°	4.5	4.7	5.9	7.2	8.1	9.5	14.9	28.9	51.7	81.4	119.2



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-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	4.7	5.9	7.2	8.2	9.7	15.3	29.5	53.1	83.7	120.9
-25°	4.5	4.7	5.9	7.2	8.3	9.9	15.3	29.5	53.7	85.0	121.1
-27.5°	4.5	4.7	5.9	7.2	8.4	10.1	15.1	28.7	53.3	85.5	122.2
-30°	4.5	4.8	5.9	7.2	8.4	10.2	14.5	27.2	52.4	84.9	122.0
-32.5°	4.5	4.8	5.9	7.2	8.5	10.2	13.6	26.3	50.6	83.0	120.5
-35°	4.5	4.8	5.9	7.2	8.5	10.2	13.3	25.1	47.8	79.9	117.7
-37.5°	4.5	4.8	5.9	7.1	8.5	10.2	13.2	23.5	43.8	75.5	109.4
-40°	4.5	4.8	5.9	7.1	8.5	10.2	13.1	21.3	38.8	70.0	99.8
-42.5°	4.5	4.8	5.8	7.1	8.4	10.1	12.8	18.6	34.8	61.2	89.2
-45°	4.5	4.8	5.8	7.0	8.4	10.0	12.4	16.6	31.1	51.5	77.8
-47.5°	4.5	4.8	5.8	6.9	8.3	9.9	12.0	16.0	26.6	41.2	66.2
-50°	4.5	4.8	5.7	6.9	8.2	9.8	11.7	15.2	21.0	34.9	54.0
-52.5°	4.5	4.8	5.7	6.8	8.1	9.6	11.5	14.3	18.3	28.2	41.7
-55°	4.5	4.8	5.6	6.7	7.9	9.4	11.2	13.3	16.8	21.3	33.8
-57.5°	4.5	4.8	5.6	6.6	7.8	9.2	10.9	12.9	15.3	18.4	25.7
-60°	4.5	4.8	5.5	6.5	7.6	9.0	10.6	12.4	14.0	16.8	19.4
-62.5°	4.5	4.7	5.5	6.4	7.4	8.7	10.2	11.8	13.3	15.1	17.7
-65°	4.5	4.7	5.4	6.2	7.2	8.4	9.8	11.2	12.5	14.0	15.9
-67.5°	4.5	4.7	5.3	6.1	7.0	8.1	9.4	10.7	11.7	13.0	14.5
-70°	4.5	4.7	5.3	6.0	6.8	7.7	8.9	10.1	11.2	12.0	13.3
-72.5°	4.5	4.7	5.2	5.8	6.5	7.4	8.4	9.6	10.6	11.5	12.2
-75°	4.5	4.6	5.1	5.7	6.3	7.0	7.9	9.0	10.1	11.0	11.7
-77.5°	4.5	4.6	5.0	5.5	6.1	6.6	7.4	8.4	9.4	10.4	11.3
-80°	4.5	4.6	4.9	5.4	5.9	6.3	6.8	7.7	8.7	9.6	10.5
-82.5°	4.5	4.6	4.8	5.3	5.7	6.1	6.5	7.2	7.9	8.7	9.6
-85°	4.5	4.6	4.7	5.1	5.5	5.9	6.3	6.8	7.4	8.0	8.6
-87.5°	4.5	4.5	4.6	5.0	5.3	5.6	6.0	6.4	6.8	7.3	7.7
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.2	4.0	3.7	3.4



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6.8	6.8	6.8	6.8	7.1	7.4	7.6	7.9	8.2	8.4	8.7
87.5°	3.8	3.7	3.5	3.4	3.4	3.4	3.4	3.4	3.1	2.9	2.6
85°	4.2	4.0	3.7	3.6	3.6	3.6	3.5	3.4	3.3	3.1	3.1
82.5°	4.3	4.2	4.2	4.2	4.1	3.9	3.7	3.4	3.4	3.4	3.4
80°	4.5	4.5	4.5	4.5	4.3	4.0	3.7	3.4	3.4	3.4	3.5
77.5°	4.5	4.5	4.5	4.5	4.3	4.1	4.0	4.0	4.0	3.9	3.7
75°	4.5	4.5	4.5	4.5	4.4	4.4	4.5	4.5	4.4	4.3	4.3
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.4	6.7	7.5
70°	4.5	4.5	4.5	4.5	4.5	4.9	6.6	8.7	10.9	12.2	13.7
67.5°	4.5	4.5	4.5	4.7	5.9	7.7	10.2	15.0	20.4	22.0	22.0
65°	4.5	4.5	5.1	6.2	7.7	11.5	16.7	23.1	27.9	27.1	25.2
62.5°	4.5	5.1	6.1	8.1	11.2	16.0	20.8	25.5	30.3	29.0	24.6
60°	5.0	5.7	7.8	11.0	14.4	17.7	22.4	25.3	27.9	28.0	21.6
57.5°	5.5	7.0	10.2	13.4	16.1	18.2	20.2	22.5	23.3	22.7	16.5
55°	6.5	8.8	12.1	15.1	16.9	15.9	16.8	17.4	17.1	15.6	10.9
52.5°	7.9	10.5	13.8	16.2	16.2	14.2	12.7	12.7	11.6	9.5	8.1
50°	9.1	12.1	15.3	16.6	15.4	12.2	9.6	9.3	8.5	7.6	6.8
47.5°	10.4	13.6	16.4	16.9	13.8	11.2	8.8	8.0	7.5	7.4	7.0
45°	11.6	14.5	17.5	15.6	13.0	11.1	9.5	7.9	8.1	8.0	7.7
42.5°	12.6	15.1	16.4	14.6	13.3	12.0	10.8	9.6	9.0	9.2	9.2
40°	13.0	15.5	15.7	15.3	14.1	13.7	13.5	12.5	10.7	11.6	11.8
37.5°	13.2	15.3	16.0	17.3	15.9	16.4	16.8	17.1	15.8	14.9	17.2
35°	13.2	15.6	18.8	20.6	19.7	20.1	22.1	22.9	22.3	22.0	26.2
32.5°	13.4	16.4	22.5	24.6	26.0	26.6	28.3	29.9	31.5	34.1	41.9
30°	15.0	19.9	27.0	29.4	33.8	38.6	37.4	38.2	42.4	57.8	71.0
27.5°	18.3	24.7	31.4	36.4	43.7	54.0	55.6	51.1	64.4	87.9	109.7
25°	22.3	39.8	36.3	44.8	58.7	72.5	78.9	82.0	97.7	129.3	153.9
22.5°	30.7	59.9	58.5	54.1	76.0	94.1	109.9	141.5	185.9	195.9	201.2
20°	45.4	79.9	85.6	90.1	102.0	118.3	145.8	221.4	315.9	350.7	314.6
17.5°	62.8	101.7	115.9	136.6	163.6	168.8	191.5	316.7	479.2	535.9	546.9
15°	82.4	125.1	148.0	188.6	229.6	249.2	315.3	470.8	657.9	750.5	814.7
12.5°	103.5	149.7	181.6	244.8	299.2	330.1	471.0	708.1	887.7	995.9	1165.3
10°	125.2	175.0	216.1	303.9	371.1	411.0	643.0	953.2	1134.2	1257.2	1475.2
7.5°	147.9	199.3	250.3	364.3	444.3	491.4	824.1	1200.5	1374.2	1508.3	1727.8
5°	169.6	221.8	280.8	415.1	505.0	561.0	992.0	1443.1	1607.3	1749.5	1946.1
2.5°	189.6	243.3	310.2	461.7	556.0	613.5	1087.5	1581.8	1755.8	1925.2	2140.5
0°	207.0	263.5	338.2	504.5	604.0	664.0	1165.0	1702.3	1882.1	2066.5	2324.4
-2.5°	209.6	269.6	346.8	500.5	595.1	656.2	1144.7	1683.7	1902.3	2117.5	2386.8
-5°	209.4	274.1	353.2	492.6	583.4	646.1	1104.9	1641.2	1895.0	2108.3	2361.2
-7.5°	207.0	276.8	357.1	481.0	565.4	623.5	1028.3	1536.7	1802.8	1990.8	2233.7
-10°	202.9	275.9	351.7	461.3	539.8	592.9	930.5	1413.3	1705.9	1870.8	2086.7
-12.5°	197.6	272.0	343.3	440.2	514.8	561.6	817.0	1273.5	1606.6	1751.5	1928.2
-15°	191.5	267.0	333.4	418.6	491.3	530.0	689.2	1119.3	1508.6	1659.1	1797.5
-17.5°	185.0	261.2	322.2	397.2	470.3	498.6	551.1	951.2	1369.1	1558.5	1698.7
-20°	178.5	254.7	309.8	376.6	450.4	477.9	512.0	789.4	1166.3	1442.3	1590.7



REPORT NUMBER: P701417 (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°	172.5	247.5	298.1	359.7	428.0	466.6	492.9	631.3	952.2	1312.4	1475.3
-25°	170.1	237.0	288.4	344.0	406.7	456.2	475.2	498.4	757.1	1102.3	1358.5
-27.5°	169.6	228.1	277.7	327.1	385.5	442.7	462.5	479.6	611.4	891.3	1223.3
-30°	167.4	216.1	265.7	310.3	365.1	418.7	452.7	471.6	501.2	717.5	993.9
-32.5°	160.0	203.4	251.6	295.9	344.0	395.7	444.6	467.8	492.1	551.5	783.2
-35°	150.5	191.7	236.5	280.2	322.4	373.3	423.5	464.7	483.0	510.7	607.2
-37.5°	141.6	178.9	221.0	263.4	304.2	350.2	400.9	447.1	479.1	500.6	535.0
-40°	131.4	164.8	205.5	246.1	285.3	327.1	374.2	422.0	465.2	502.1	528.6
-42.5°	120.0	152.3	188.9	228.2	265.0	304.5	346.2	392.5	441.5	492.1	529.6
-45°	107.2	138.5	171.5	207.2	242.9	280.0	319.5	361.0	410.7	462.2	512.3
-47.5°	93.2	123.3	154.6	184.8	218.7	253.7	290.6	331.2	375.1	423.9	475.4
-50°	78.6	106.5	135.7	163.6	193.0	225.6	259.7	298.5	339.5	382.2	428.4
-52.5°	64.2	88.6	115.6	142.4	168.4	196.2	228.2	263.1	300.8	340.3	378.9
-55°	49.2	71.3	94.5	119.8	144.9	169.0	195.7	227.1	259.4	295.2	329.5
-57.5°	37.7	53.9	74.4	96.0	119.6	143.3	167.2	191.0	219.4	249.2	277.3
-60°	28.3	39.5	54.7	73.6	93.1	115.3	138.8	161.2	183.0	203.6	227.8
-62.5°	20.0	28.8	39.0	51.7	68.9	86.6	106.9	128.3	150.3	168.1	184.4
-65°	18.1	20.1	27.0	36.2	45.4	60.9	77.1	93.1	111.8	129.0	145.1
-67.5°	16.2	18.1	19.8	23.0	31.3	40.2	49.2	63.3	77.2	89.6	101.8
-70°	14.7	16.0	17.6	19.2	20.9	24.7	32.4	40.3	48.1	57.2	68.0
-72.5°	13.3	14.6	15.8	16.8	18.3	20.1	22.0	23.9	28.4	34.7	41.2
-75°	12.4	13.3	14.4	15.5	16.4	17.3	18.6	20.2	21.8	23.1	24.3
-77.5°	11.8	12.3	13.1	14.1	14.8	15.3	16.1	17.0	18.1	19.3	20.5
-80°	10.9	11.3	11.7	12.2	12.8	13.2	13.7	14.1	14.7	15.5	16.4
-82.5°	9.9	10.1	10.4	10.7	10.8	11.1	11.4	11.7	12.1	12.5	12.9
-85°	8.8	9.0	9.2	9.3	9.3	9.3	9.3	9.3	9.5	9.7	9.9
-87.5°	7.8	7.9	8.0	8.1	8.1	8.1	8.0	7.9	8.0	8.0	8.1
-90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.1	2.9	2.6



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	9.0	9.0	9.0	9.0	9.0	12.1	15.2	18.4	21.5	26.9	32.2
87.5°	2.3	2.3	2.3	2.3	2.3	2.0	1.7	1.4	1.1	1.1	1.1
85°	3.0	2.9	2.7	2.5	2.3	2.3	2.2	2.2	2.2	2.0	1.7
82.5°	3.4	3.1	2.9	2.6	2.3	2.1	1.8	1.5	1.2	1.2	1.1
80°	3.4	3.2	2.9	2.6	2.3	2.2	2.2	2.1	2.1	2.2	2.2
77.5°	3.6	3.4	3.1	2.8	2.4	2.3	2.3	2.3	2.3	2.1	1.8
75°	4.4	4.3	4.2	3.9	3.5	3.3	3.1	2.8	2.4	2.3	2.2
72.5°	8.0	7.9	7.5	7.1	6.2	5.7	5.5	5.3	5.0	4.9	4.8
70°	14.2	14.0	13.2	11.6	9.4	8.0	7.4	6.7	6.0	5.7	5.6
67.5°	20.0	17.8	15.7	13.4	10.7	8.7	7.7	6.6	5.4	4.8	4.7
65°	22.2	17.8	14.7	12.2	10.2	8.4	6.9	5.6	4.4	3.8	3.9
62.5°	19.9	14.7	11.4	9.3	7.7	6.6	5.4	4.5	3.8	3.4	3.5
60°	15.8	10.7	7.9	6.6	5.5	4.6	4.0	3.5	3.0	2.7	2.8
57.5°	11.4	7.7	5.6	5.2	4.5	3.8	3.2	3.1	3.0	3.0	3.2
55°	7.8	6.4	5.7	5.1	4.5	3.8	3.4	3.4	3.4	3.4	3.4
52.5°	6.5	6.1	5.8	5.3	4.7	4.0	3.4	3.4	3.4	3.4	3.4
50°	6.5	6.2	5.9	5.5	4.9	4.2	3.5	3.5	3.8	4.0	4.0
47.5°	6.6	6.3	6.1	5.7	5.2	4.9	4.5	4.6	5.0	5.2	5.1
45°	6.9	7.0	6.9	6.8	6.4	6.4	6.5	6.6	8.1	8.0	7.0
42.5°	8.5	9.0	9.5	9.8	8.4	11.0	14.9	16.7	14.6	11.8	10.0
40°	12.8	13.4	16.0	17.3	21.3	25.1	21.6	17.5	15.7	17.1	18.1
37.5°	20.3	24.2	29.4	35.5	33.0	26.3	26.4	26.4	25.7	27.9	27.9
35°	34.1	42.7	48.0	46.8	43.3	41.3	43.2	45.1	40.8	44.6	45.7
32.5°	54.8	65.2	66.5	63.0	63.2	66.6	72.8	72.0	73.3	77.8	82.9
30°	79.1	91.4	96.1	89.6	85.0	93.2	96.7	99.8	109.9	123.0	134.7
27.5°	119.1	128.1	136.2	129.4	115.9	126.1	133.2	131.1	158.7	173.5	206.5
25°	169.3	182.0	186.6	189.1	184.6	182.7	200.6	209.7	247.9	288.4	357.1
22.5°	231.1	265.9	275.7	262.9	277.3	287.5	299.6	340.5	416.8	540.9	718.1
20°	309.7	380.6	437.7	428.5	394.5	438.0	487.2	616.0	839.0	1340.3	1750.6
17.5°	558.3	559.6	673.7	719.5	663.4	757.8	999.5	1418.5	2340.1	4031.4	5127.8
15°	942.5	967.8	1020.3	1081.8	1182.7	1429.1	1915.9	3671.7	6315.9	9974.4	13728.5
12.5°	1349.7	1407.0	1496.8	1547.1	1753.1	2412.4	4500.7	8345.4	13926.7	20969.7	32652.8
10°	1699.6	1852.2	1968.0	2125.3	2656.5	4205.3	7808.7	14452.0	25702.7	40897.6	58856.3
7.5°	1947.0	2170.4	2366.2	2661.9	3765.1	6887.2	12930.8	23982.7	40976.2	62434.5	87190.4
5°	2195.9	2478.6	2698.0	3087.8	4473.1	8898.8	16941.3	32912.8	57451.1	86662.6	119771.1
2.5°	2448.7	2766.5	3008.3	3490.6	4926.0	9918.8	18976.0	38242.2	68345.0	103913.7	144109.9
0°	2703.3	3004.2	3258.7	3803.9	5629.5	11523.6	20892.5	40276.2	69360.1	105667.2	146468.2
-2.5°	2691.5	2890.2	3123.3	3545.8	5135.0	10608.1	19418.8	38063.7	65660.8	99337.5	136337.9
-5°	2589.2	2728.8	2913.5	3286.8	4593.9	8842.2	16794.8	32537.2	57993.1	88846.9	120739.2
-7.5°	2430.2	2547.3	2685.4	2993.5	3970.2	7037.7	13585.1	26096.5	46004.6	68357.9	92813.3
-10°	2277.7	2368.0	2466.1	2679.7	3307.3	5158.1	9637.7	17683.0	32024.3	48746.9	67357.8
-12.5°	2137.1	2209.2	2261.2	2351.6	2664.2	3736.1	6929.5	12682.8	20921.6	31280.4	45009.6
-15°	1993.9	2055.0	2081.9	2154.3	2358.9	2889.4	4176.6	7795.8	13078.7	19768.2	26729.6
-17.5°	1840.1	1912.7	1953.2	1999.7	2088.8	2308.6	3018.9	4540.6	7734.6	12225.6	16709.2
-20°	1713.7	1799.1	1833.9	1866.2	1948.3	2077.4	2280.2	2964.5	4131.1	6928.1	9716.2



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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°	1591.5	1668.5	1713.7	1783.2	1889.4	1978.7	2045.2	2208.2	2692.8	3456.0	4818.6
-25°	1480.3	1547.0	1636.3	1769.6	1873.6	1937.4	1950.0	1957.0	2095.1	2246.6	2706.6
-27.5°	1368.4	1462.9	1595.8	1746.2	1869.8	1900.9	1902.6	1900.2	1933.2	1956.2	2070.6
-30°	1268.7	1392.5	1518.0	1678.5	1798.8	1849.4	1870.9	1885.6	1902.6	1923.5	1931.1
-32.5°	1065.6	1318.4	1420.0	1548.6	1700.1	1780.2	1820.4	1854.8	1873.5	1891.8	1906.2
-35°	842.5	1109.2	1351.7	1434.8	1542.3	1678.0	1779.0	1820.1	1854.6	1874.2	1892.4
-37.5°	633.6	862.3	1098.1	1318.9	1428.8	1524.7	1653.8	1754.3	1817.9	1842.9	1864.8
-40°	558.3	617.7	826.0	1028.6	1222.1	1404.8	1512.2	1633.6	1730.7	1779.9	1817.9
-42.5°	555.4	577.3	598.5	740.8	920.5	1096.8	1263.3	1419.3	1563.2	1661.1	1733.6
-45°	554.9	570.4	588.1	609.4	630.8	768.3	922.3	1077.1	1235.1	1383.3	1516.1
-47.5°	518.8	557.5	578.7	595.7	609.9	628.1	648.8	688.0	816.5	946.1	1076.0
-50°	469.3	508.0	543.4	577.2	594.4	606.2	617.6	630.4	646.7	663.0	679.7
-52.5°	413.9	450.6	486.7	519.1	546.9	573.6	599.0	610.7	619.3	627.3	634.1
-55°	362.2	393.7	424.3	452.9	480.7	506.9	530.7	551.0	569.9	587.0	600.4
-57.5°	307.4	337.4	365.8	389.9	412.9	434.8	455.8	475.4	493.1	508.7	521.8
-60°	252.4	277.0	301.9	325.0	346.8	367.5	385.0	401.1	415.8	429.3	441.6
-62.5°	200.6	219.8	240.8	260.2	277.5	294.4	313.0	329.0	342.7	354.6	365.7
-65°	160.0	173.7	188.8	203.4	217.5	233.5	251.1	266.4	279.6	290.7	300.2
-67.5°	115.6	129.0	143.4	156.6	168.9	182.2	198.3	213.5	227.8	239.3	248.6
-70°	77.8	87.3	98.2	110.0	121.9	134.4	148.5	162.3	175.5	186.1	194.9
-72.5°	47.8	54.0	60.2	68.1	76.3	85.9	96.8	107.8	118.8	127.7	135.3
-75°	25.4	27.6	32.3	36.8	41.0	46.3	51.9	57.1	61.9	66.3	70.3
-77.5°	21.7	22.6	23.4	24.2	24.9	27.1	29.7	32.5	35.4	38.4	41.3
-80°	17.3	18.0	18.7	19.3	20.0	21.7	23.5	25.3	27.1	29.1	31.1
-82.5°	13.3	13.7	14.0	14.3	14.5	15.8	17.1	18.4	19.8	21.4	22.9
-85°	10.1	10.2	10.4	10.5	10.7	11.6	12.6	13.6	14.5	16.2	18.0
-87.5°	8.1	8.1	8.0	8.0	8.0	9.3	10.4	11.6	12.7	14.1	15.5
-90°	2.3	2.3	2.3	2.3	2.3	2.0	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°	37.6	43.0	45.8	48.6	45.8	43.0	37.6	32.2	26.9	21.5	18.4
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	1.7	2.0	2.2	2.2
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.5
80°	2.3	2.3	1.7	1.1	1.7	2.3	2.3	2.2	2.2	2.1	2.1
77.5°	1.5	1.1	1.7	2.3	1.7	1.1	1.5	1.8	2.1	2.3	2.3
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.4	2.8
72.5°	4.7	4.5	4.5	4.5	4.5	4.5	4.7	4.8	4.9	5.0	5.3
70°	5.6	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.7	6.0	6.7
67.5°	4.6	4.5	4.0	3.4	4.0	4.5	4.6	4.7	4.8	5.4	6.6
65°	4.2	4.4	4.0	3.4	4.0	4.4	4.2	3.9	3.8	4.4	5.6
62.5°	3.5	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.4	3.8	4.5
60°	3.0	3.3	3.4	3.4	3.4	3.3	3.0	2.8	2.7	3.0	3.5
57.5°	3.3	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.0	3.0	3.1
55°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
52.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
50°	3.8	3.6	3.4	3.4	3.4	3.6	3.8	4.0	4.0	3.8	3.5
47.5°	4.9	4.6	4.5	4.5	4.5	4.6	4.9	5.1	5.2	5.0	4.6
45°	7.0	6.8	6.7	6.8	6.7	6.8	7.0	7.0	8.0	8.1	6.6
42.5°	10.1	10.1	10.1	10.2	10.1	10.1	10.1	10.0	11.8	14.6	16.7
40°	19.0	19.1	18.7	18.1	18.7	19.1	19.0	18.1	17.1	15.7	17.5
37.5°	27.8	28.0	28.0	28.3	28.0	28.0	27.8	27.9	27.9	25.7	26.4
35°	45.1	43.9	41.5	41.9	41.5	43.9	45.1	45.7	44.6	40.8	45.1
32.5°	86.2	85.0	80.2	83.7	80.2	85.0	86.2	82.9	77.8	73.3	72.0
30°	145.1	150.8	153.3	152.7	153.3	150.8	145.1	134.7	123.0	109.9	99.8
27.5°	223.4	236.2	244.1	248.8	244.1	236.2	223.4	206.5	173.5	158.7	131.1
25°	406.4	438.0	455.9	479.6	455.9	438.0	406.4	357.1	288.4	247.9	209.7
22.5°	908.8	1022.9	1095.4	1146.9	1095.4	1022.9	908.8	718.1	540.9	416.8	340.5
20°	2358.0	2348.6	2537.7	2640.0	2537.7	2348.6	2358.0	1750.6	1340.3	839.0	616.0
17.5°	7381.2	8554.2	8851.9	8597.5	8851.9	8554.2	7381.2	5127.8	4031.4	2340.1	1418.5
15°	18973.0	22891.2	24707.0	24681.7	24707.0	22891.2	18973.0	13728.5	9974.4	6315.9	3671.7
12.5°	40912.6	48479.9	53421.0	56410.2	53421.0	48479.9	40912.6	32652.8	20969.7	13926.7	8345.4
10°	74247.0	87210.3	97547.7	102741.1	97547.7	87210.3	74247.0	58856.3	40897.6	25702.7	14452.0
7.5°	110032.5	131007.4	148718.3	15670.1	148718.3	131007.4	110032.5	87190.4	62434.5	40976.2	23982.7
5°	151489.4	184863.8	201439.8	208582.5	201439.8	184863.8	151489.4	119771.1	86662.6	57451.1	32912.8
2.5°	186172.7	219451.5	242619.9	251425.1	242619.9	219451.5	186172.7	144109.9	103913.7	68345.0	38242.2
0°	193115.3	227905.0	253404.0	271861.8	253404.0	227905.0	193115.3	146468.2	105667.2	69360.1	40276.2
-2.5°	178369.6	212362.4	230994.1	238800.4	230994.1	212362.4	178369.6	136337.9	99337.5	65660.8	38063.7
-5°	155063.1	185233.4	202459.1	205918.7	202459.1	185233.4	155063.1	120739.2	88846.9	57993.1	32537.2
-7.5°	118496.1	139381.1	152967.8	155710.4	152967.8	139381.1	118496.1	92813.3	68357.9	46004.6	26096.5
-10°	86175.5	101233.6	109958.9	110903.1	109958.9	101233.6	86175.5	67357.8	48746.9	32024.3	17683.0
-12.5°	57578.3	69377.2	75548.2	76440.2	75548.2	69377.2	57578.3	45009.6	31280.4	20921.6	12682.8
-15°	36081.2	43755.9	48288.2	49270.6	48288.2	43755.9	36081.2	26729.6	19768.2	13078.7	7795.8
-17.5°	22231.5	26113.6	28490.8	30062.3	28490.8	26113.6	22231.5	16709.2	12225.6	7734.6	4540.6
-20°	12999.1	15516.5	16929.2	17571.6	16929.2	15516.5	12999.1	9716.2	6928.1	4131.1	2964.5



REPORT NUMBER: P701417 (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°	6526.2	7768.1	8614.0	8742.3	8614.0	7768.1	6526.2	4818.6	3456.0	2692.8	2208.2
-25°	3165.1	3511.0	3748.3	3762.0	3748.3	3511.0	3165.1	2706.6	2246.6	2095.1	1957.0
-27.5°	2164.2	2236.2	2282.7	2309.7	2282.7	2236.2	2164.2	2070.6	1956.2	1933.2	1900.2
-30°	1939.1	1949.9	1956.4	1947.8	1956.4	1949.9	1939.1	1931.1	1923.5	1902.6	1885.6
-32.5°	1911.1	1916.1	1919.6	1913.8	1919.6	1916.1	1911.1	1906.2	1891.8	1873.5	1854.8
-35°	1908.9	1922.8	1933.7	1930.8	1933.7	1922.8	1908.9	1892.4	1874.2	1854.6	1820.1
-37.5°	1880.8	1893.1	1901.3	1901.4	1901.3	1893.1	1880.8	1864.8	1842.9	1817.9	1754.3
-40°	1839.2	1856.0	1866.4	1866.3	1866.4	1856.0	1839.2	1817.9	1779.9	1730.7	1633.6
-42.5°	1768.2	1791.7	1802.8	1801.8	1802.8	1791.7	1768.2	1733.6	1661.1	1563.2	1419.3
-45°	1615.8	1691.6	1732.2	1736.2	1732.2	1691.6	1615.8	1516.1	1383.3	1235.1	1077.1
-47.5°	1203.9	1320.6	1392.2	1408.2	1392.2	1320.6	1203.9	1076.0	946.1	816.5	688.0
-50°	696.2	711.8	718.4	716.0	718.4	711.8	696.2	679.7	663.0	646.7	630.4
-52.5°	640.6	646.9	651.6	654.9	651.6	646.9	640.6	634.1	627.3	619.3	610.7
-55°	611.3	619.8	625.2	627.8	625.2	619.8	611.3	600.4	587.0	569.9	551.0
-57.5°	532.6	540.9	545.7	547.5	545.7	540.9	532.6	521.8	508.7	493.1	475.4
-60°	451.9	460.1	464.9	467.1	464.9	460.1	451.9	441.6	429.3	415.8	401.1
-62.5°	375.1	382.9	387.5	390.2	387.5	382.9	375.1	365.7	354.6	342.7	329.0
-65°	308.7	316.0	320.0	322.4	320.0	316.0	308.7	300.2	290.7	279.6	266.4
-67.5°	256.9	264.2	269.0	272.6	269.0	264.2	256.9	248.6	239.3	227.8	213.5
-70°	202.9	210.1	212.7	213.8	212.7	210.1	202.9	194.9	186.1	175.5	162.3
-72.5°	142.1	148.1	152.1	155.0	152.1	148.1	142.1	135.3	127.7	118.8	107.8
-75°	73.9	77.1	79.5	81.4	79.5	77.1	73.9	70.3	66.3	61.9	57.1
-77.5°	44.3	47.1	48.6	49.8	48.6	47.1	44.3	41.3	38.4	35.4	32.5
-80°	33.0	34.9	35.6	36.2	35.6	34.9	33.0	31.1	29.1	27.1	25.3
-82.5°	24.4	25.9	26.5	27.1	26.5	25.9	24.4	22.9	21.4	19.8	18.4
-85°	19.7	21.5	22.0	22.6	22.0	21.5	19.7	18.0	16.2	14.5	13.6
-87.5°	16.9	18.2	19.3	20.4	19.3	18.2	16.9	15.5	14.1	12.7	11.6
-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°	15.2	12.1	9.0	9.0	9.0	9.0	9.0	8.7	8.4	8.2	7.9
87.5°	1.7	2.0	2.3	2.3	2.3	2.3	2.3	2.6	2.9	3.1	3.4
85°	2.2	2.3	2.3	2.5	2.7	2.9	3.0	3.1	3.1	3.3	3.4
82.5°	1.8	2.1	2.3	2.6	2.9	3.1	3.4	3.4	3.4	3.4	3.4
80°	2.2	2.2	2.3	2.6	2.9	3.2	3.4	3.5	3.4	3.4	3.4
77.5°	2.3	2.3	2.4	2.8	3.1	3.4	3.6	3.7	3.9	4.0	4.0
75°	3.1	3.3	3.5	3.9	4.2	4.3	4.4	4.3	4.3	4.4	4.5
72.5°	5.5	5.7	6.2	7.1	7.5	7.9	8.0	7.5	6.7	5.4	4.5
70°	7.4	8.0	9.4	11.6	13.2	14.0	14.2	13.7	12.2	10.9	8.7
67.5°	7.7	8.7	10.7	13.4	15.7	17.8	20.0	22.0	22.0	20.4	15.0
65°	6.9	8.4	10.2	12.2	14.7	17.8	22.2	25.2	27.1	27.9	23.1
62.5°	5.4	6.6	7.7	9.3	11.4	14.7	19.9	24.6	29.0	30.3	25.5
60°	4.0	4.6	5.5	6.6	7.9	10.7	15.8	21.6	28.0	27.9	25.3
57.5°	3.2	3.8	4.5	5.2	5.6	7.7	11.4	16.5	22.7	23.3	22.5
55°	3.4	3.8	4.5	5.1	5.7	6.4	7.8	10.9	15.6	17.1	17.4
52.5°	3.4	4.0	4.7	5.3	5.8	6.1	6.5	8.1	9.5	11.6	12.7
50°	3.5	4.2	4.9	5.5	5.9	6.2	6.5	6.8	7.6	8.5	9.3
47.5°	4.5	4.9	5.2	5.7	6.1	6.3	6.6	7.0	7.4	7.5	8.0
45°	6.5	6.4	6.4	6.8	6.9	7.0	6.9	7.7	8.0	8.1	7.9
42.5°	14.9	11.0	8.4	9.8	9.5	9.0	8.5	9.2	9.2	9.0	9.6
40°	21.6	25.1	21.3	17.3	16.0	13.4	12.8	11.8	11.6	10.7	12.5
37.5°	26.4	26.3	33.0	35.5	29.4	24.2	20.3	17.2	14.9	15.8	17.1
35°	43.2	41.3	43.3	46.8	48.0	42.7	34.1	26.2	22.0	22.3	22.9
32.5°	72.8	66.6	63.2	63.0	66.5	65.2	54.8	41.9	34.1	31.5	29.9
30°	96.7	93.2	85.0	89.6	96.1	91.4	79.1	71.0	57.8	42.4	38.2
27.5°	133.2	126.1	115.9	129.4	136.2	128.1	119.1	109.7	87.9	64.4	51.1
25°	200.6	182.7	184.6	189.1	186.6	182.0	169.3	153.9	129.3	97.7	82.0
22.5°	299.6	287.5	277.3	262.9	275.7	265.9	231.1	201.2	195.9	185.9	141.5
20°	487.2	438.0	394.5	428.5	437.7	380.6	309.7	314.6	350.7	315.9	221.4
17.5°	999.5	757.8	663.4	719.5	673.7	559.6	558.3	546.9	535.9	479.2	316.7
15°	1915.9	1429.1	1182.7	1081.8	1020.3	967.8	942.5	814.7	750.5	657.9	470.8
12.5°	4500.7	2412.4	1753.1	1547.1	1496.8	1407.0	1349.7	1165.3	995.9	887.7	708.1
10°	7808.7	4205.3	2656.5	2125.3	1968.0	1852.2	1699.6	1475.2	1257.2	1134.2	953.2
7.5°	12930.8	6887.2	3765.1	2661.9	2366.2	2170.4	1947.0	1727.8	1508.3	1374.2	1200.5
5°	16941.3	8898.8	4473.1	3087.8	2698.0	2478.6	2195.9	1946.1	1749.5	1607.3	1443.1
2.5°	18976.0	9918.8	4926.0	3490.6	3008.3	2766.5	2448.7	2140.5	1925.2	1755.8	1581.8
0°	20892.5	11523.6	5629.5	3803.9	3258.7	3004.2	2703.3	2324.4	2066.5	1882.1	1702.3
-2.5°	19418.8	10608.1	5135.0	3545.8	3123.3	2890.2	2691.5	2386.8	2117.5	1902.3	1683.7
-5°	16794.8	8842.2	4593.9	3286.8	2913.5	2728.8	2589.2	2361.2	2108.3	1895.0	1641.2
-7.5°	13585.1	7037.7	3970.2	2993.5	2685.4	2547.3	2430.2	2233.7	1990.8	1802.8	1536.7
-10°	9637.7	5158.1	3307.3	2679.7	2466.1	2368.0	2277.7	2086.7	1870.8	1705.9	1413.3
-12.5°	6929.5	3736.1	2664.2	2351.6	2261.2	2209.2	2137.1	1928.2	1751.5	1606.6	1273.5
-15°	4176.6	2889.4	2358.9	2154.3	2081.9	2055.0	1993.9	1797.5	1659.1	1508.6	1119.3
-17.5°	3018.9	2308.6	2088.8	1999.7	1953.2	1912.7	1840.1	1698.7	1558.5	1369.1	951.2
-20°	2280.2	2077.4	1948.3	1866.2	1833.9	1799.1	1713.7	1590.7	1442.3	1166.3	789.4



REPORT NUMBER: P701417 (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°	2045.2	1978.7	1889.4	1783.2	1713.7	1668.5	1591.5	1475.3	1312.4	952.2	631.3
-25°	1950.0	1937.4	1873.6	1769.6	1636.3	1547.0	1480.3	1358.5	1102.3	757.1	498.4
-27.5°	1902.6	1900.9	1869.8	1746.2	1595.8	1462.9	1368.4	1223.3	891.3	611.4	479.6
-30°	1870.9	1849.4	1798.8	1678.5	1518.0	1392.5	1268.7	993.9	717.5	501.2	471.6
-32.5°	1820.4	1780.2	1700.1	1548.6	1420.0	1318.4	1065.6	783.2	551.5	492.1	467.8
-35°	1779.0	1678.0	1542.3	1434.8	1351.7	1109.2	842.5	607.2	510.7	483.0	464.7
-37.5°	1653.8	1524.7	1428.8	1318.9	1098.1	862.3	633.6	535.0	500.6	479.1	447.1
-40°	1512.2	1404.8	1222.1	1028.6	826.0	617.7	558.3	528.6	502.1	465.2	422.0
-42.5°	1263.3	1096.8	920.5	740.8	598.5	577.3	555.4	529.6	492.1	441.5	392.5
-45°	922.3	768.3	630.8	609.4	588.1	570.4	554.9	512.3	462.2	410.7	361.0
-47.5°	648.8	628.1	609.9	595.7	578.7	557.5	518.8	475.4	423.9	375.1	331.2
-50°	617.6	606.2	594.4	577.2	543.4	508.0	469.3	428.4	382.2	339.5	298.5
-52.5°	599.0	573.6	546.9	519.1	486.7	450.6	413.9	378.9	340.3	300.8	263.1
-55°	530.7	506.9	480.7	452.9	424.3	393.7	362.2	329.5	295.2	259.4	227.1
-57.5°	455.8	434.8	412.9	389.9	365.8	337.4	307.4	277.3	249.2	219.4	191.0
-60°	385.0	367.5	346.8	325.0	301.9	277.0	252.4	227.8	203.6	183.0	161.2
-62.5°	313.0	294.4	277.5	260.2	240.8	219.8	200.6	184.4	168.1	150.3	128.3
-65°	251.1	233.5	217.5	203.4	188.8	173.7	160.0	145.1	129.0	111.8	93.1
-67.5°	198.3	182.2	168.9	156.6	143.4	129.0	115.6	101.8	89.6	77.2	63.3
-70°	148.5	134.4	121.9	110.0	98.2	87.3	77.8	68.0	57.2	48.1	40.3
-72.5°	96.8	85.9	76.3	68.1	60.2	54.0	47.8	41.2	34.7	28.4	23.9
-75°	51.9	46.3	41.0	36.8	32.3	27.6	25.4	24.3	23.1	21.8	20.2
-77.5°	29.7	27.1	24.9	24.2	23.4	22.6	21.7	20.5	19.3	18.1	17.0
-80°	23.5	21.7	20.0	19.3	18.7	18.0	17.3	16.4	15.5	14.7	14.1
-82.5°	17.1	15.8	14.5	14.3	14.0	13.7	13.3	12.9	12.5	12.1	11.7
-85°	12.6	11.6	10.7	10.5	10.4	10.2	10.1	9.9	9.7	9.5	9.3
-87.5°	10.4	9.3	8.0	8.0	8.0	8.1	8.1	8.1	8.0	8.0	7.9
-90°	1.7	2.0	2.3	2.3	2.3	2.3	2.3	2.6	2.9	3.1	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°	7.6	7.4	7.1	6.8	6.8	6.8	6.8	6.8	6.5	6.3	6.0
87.5°	3.4	3.4	3.4	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.3
85°	3.5	3.6	3.6	3.6	3.7	4.0	4.2	4.3	4.3	4.3	4.4
82.5°	3.7	3.9	4.1	4.2	4.2	4.2	4.3	4.5	4.5	4.5	4.5
80°	3.7	4.0	4.3	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	4.0	4.1	4.3	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	4.4	4.4	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°	6.6	4.9	4.5	4.5	4.5	4.5	4.5	4.6	4.5	4.5	4.5
67.5°	10.2	7.7	5.9	4.7	4.5	4.5	4.5	4.6	4.7	4.5	4.5
65°	16.7	11.5	7.7	6.2	5.1	4.5	4.5	4.8	4.9	4.8	4.5
62.5°	20.8	16.0	11.2	8.1	6.1	5.1	4.5	4.8	5.1	5.0	4.7
60°	22.4	17.7	14.4	11.0	7.8	5.7	5.0	4.9	5.1	5.3	5.0
57.5°	20.2	18.2	16.1	13.4	10.2	7.0	5.5	5.2	5.2	5.5	5.4
55°	16.8	15.9	16.9	15.1	12.1	8.8	6.5	5.7	5.3	5.5	5.7
52.5°	12.7	14.2	16.2	16.2	13.8	10.5	7.9	6.2	5.8	5.6	5.8
50°	9.6	12.2	15.4	16.6	15.3	12.1	9.1	7.1	6.2	5.7	5.9
47.5°	8.8	11.2	13.8	16.9	16.4	13.6	10.4	7.9	6.6	6.1	6.1
45°	9.5	11.1	13.0	15.6	17.5	14.5	11.6	8.5	7.1	6.5	6.2
42.5°	10.8	12.0	13.3	14.6	16.4	15.1	12.6	9.4	7.5	6.9	6.5
40°	13.5	13.7	14.1	15.3	15.7	15.5	13.0	10.3	7.7	7.3	6.8
37.5°	16.8	16.4	15.9	17.3	16.0	15.3	13.2	11.0	8.5	7.9	7.2
35°	22.1	20.1	19.7	20.6	18.8	15.6	13.2	11.4	9.7	8.4	7.5
32.5°	28.3	26.6	26.0	24.6	22.5	16.4	13.4	12.4	11.0	9.1	7.8
30°	37.4	38.6	33.8	29.4	27.0	19.9	15.0	13.5	12.2	9.8	8.2
27.5°	55.6	54.0	43.7	36.4	31.4	24.7	18.3	14.8	13.4	10.6	8.8
25°	78.9	72.5	58.7	44.8	36.3	39.8	22.3	16.4	14.6	11.6	9.3
22.5°	109.9	94.1	76.0	54.1	58.5	59.9	30.7	19.5	15.8	12.6	9.9
20°	145.8	118.3	102.0	90.1	85.6	79.9	45.4	23.0	17.1	13.6	10.5
17.5°	191.5	168.8	163.6	136.6	115.9	101.7	62.8	26.7	18.4	14.6	11.1
15°	315.3	249.2	229.6	188.6	148.0	125.1	82.4	30.6	19.8	15.5	11.6
12.5°	471.0	330.1	299.2	244.8	181.6	149.7	103.5	34.6	21.2	16.4	12.1
10°	643.0	411.0	371.1	303.9	216.1	175.0	125.2	39.3	23.6	17.3	12.5
7.5°	824.1	491.4	444.3	364.3	250.3	199.3	147.9	45.6	26.2	18.2	12.8
5°	992.0	561.0	505.0	415.1	280.8	221.8	169.6	51.8	28.9	19.0	13.1
2.5°	1087.5	613.5	556.0	461.7	310.2	243.3	189.6	57.8	31.5	19.7	13.4
0°	1165.0	664.0	604.0	504.5	338.2	263.5	207.0	63.3	33.9	20.4	13.6
-2.5°	1144.7	656.2	595.1	500.5	346.8	269.6	209.6	73.5	42.0	25.7	16.2
-5°	1104.9	646.1	583.4	492.6	353.2	274.1	209.4	83.1	49.6	30.7	18.7
-7.5°	1028.3	623.5	565.4	481.0	357.1	276.8	207.0	91.8	56.8	35.4	21.1
-10°	930.5	592.9	539.8	461.3	351.7	275.9	202.9	99.6	63.3	39.7	23.1
-12.5°	817.0	561.6	514.8	440.2	343.3	272.0	197.6	106.3	69.1	43.3	24.9
-15°	689.2	530.0	491.3	418.6	333.4	267.0	191.5	111.8	74.0	46.6	26.2
-17.5°	551.1	498.6	470.3	397.2	322.2	261.2	185.0	116.1	78.1	49.5	27.6
-20°	512.0	477.9	450.4	376.6	309.8	254.7	178.5	119.2	81.4	51.7	28.9



REPORT NUMBER: P701417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	492.9	466.6	428.0	359.7	298.1	247.5	172.5	120.9	83.7	53.1	29.5
-25°	475.2	456.2	406.7	344.0	288.4	237.0	170.1	121.1	85.0	53.7	29.5
-27.5°	462.5	442.7	385.5	327.1	277.7	228.1	169.6	122.2	85.5	53.3	28.7
-30°	452.7	418.7	365.1	310.3	265.7	216.1	167.4	122.0	84.9	52.4	27.2
-32.5°	444.6	395.7	344.0	295.9	251.6	203.4	160.0	120.5	83.0	50.6	26.3
-35°	423.5	373.3	322.4	280.2	236.5	191.7	150.5	117.7	79.9	47.8	25.1
-37.5°	400.9	350.2	304.2	263.4	221.0	178.9	141.6	109.4	75.5	43.8	23.5
-40°	374.2	327.1	285.3	246.1	205.5	164.8	131.4	99.8	70.0	38.8	21.3
-42.5°	346.2	304.5	265.0	228.2	188.9	152.3	120.0	89.2	61.2	34.8	18.6
-45°	319.5	280.0	242.9	207.2	171.5	138.5	107.2	77.8	51.5	31.1	16.6
-47.5°	290.6	253.7	218.7	184.8	154.6	123.3	93.2	66.2	41.2	26.6	16.0
-50°	259.7	225.6	193.0	163.6	135.7	106.5	78.6	54.0	34.9	21.0	15.2
-52.5°	228.2	196.2	168.4	142.4	115.6	88.6	64.2	41.7	28.2	18.3	14.3
-55°	195.7	169.0	144.9	119.8	94.5	71.3	49.2	33.8	21.3	16.8	13.3
-57.5°	167.2	143.3	119.6	96.0	74.4	53.9	37.7	25.7	18.4	15.3	12.9
-60°	138.8	115.3	93.1	73.6	54.7	39.5	28.3	19.4	16.8	14.0	12.4
-62.5°	106.9	86.6	68.9	51.7	39.0	28.8	20.0	17.7	15.1	13.3	11.8
-65°	77.1	60.9	45.4	36.2	27.0	20.1	18.1	15.9	14.0	12.5	11.2
-67.5°	49.2	40.2	31.3	23.0	19.8	18.1	16.2	14.5	13.0	11.7	10.7
-70°	32.4	24.7	20.9	19.2	17.6	16.0	14.7	13.3	12.0	11.2	10.1
-72.5°	22.0	20.1	18.3	16.8	15.8	14.6	13.3	12.2	11.5	10.6	9.6
-75°	18.6	17.3	16.4	15.5	14.4	13.3	12.4	11.7	11.0	10.1	9.0
-77.5°	16.1	15.3	14.8	14.1	13.1	12.3	11.8	11.3	10.4	9.4	8.4
-80°	13.7	13.2	12.8	12.2	11.7	11.3	10.9	10.5	9.6	8.7	7.7
-82.5°	11.4	11.1	10.8	10.7	10.4	10.1	9.9	9.6	8.7	7.9	7.2
-85°	9.3	9.3	9.3	9.3	9.2	9.0	8.8	8.6	8.0	7.4	6.8
-87.5°	8.0	8.1	8.1	8.1	8.0	7.9	7.8	7.7	7.3	6.8	6.4
-90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.7	4.0	4.2



REPORT NUMBER: P701417 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.7	5.4	5.1	4.8	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	4.6	4.5	4.5	4.5	4.5	4.5
72.5°	4.6	4.7	4.6	4.5	4.5	4.5	4.5
70°	4.6	4.8	4.7	4.5	4.5	4.5	4.5
67.5°	4.6	4.9	4.9	4.6	4.5	4.5	4.5
65°	4.7	4.9	5.0	4.8	4.5	4.5	4.5
62.5°	4.7	5.0	5.1	4.9	4.5	4.5	4.5
60°	4.7	5.0	5.3	5.0	4.5	4.5	4.5
57.5°	5.0	5.0	5.3	5.1	4.6	4.5	4.5
55°	5.3	5.1	5.3	5.3	4.7	4.5	4.5
52.5°	5.6	5.1	5.3	5.4	4.8	4.5	4.5
50°	5.9	5.4	5.4	5.5	4.8	4.5	4.5
47.5°	6.1	5.6	5.4	5.6	4.9	4.5	4.5
45°	6.3	5.8	5.4	5.7	5.0	4.5	4.5
42.5°	6.4	6.0	5.5	5.7	5.1	4.5	4.5
40°	6.6	6.3	5.6	5.7	5.1	4.5	4.5
37.5°	6.8	6.5	5.8	5.7	5.2	4.5	4.5
35°	7.0	6.6	5.9	5.8	5.3	4.5	4.5
32.5°	7.2	6.8	6.1	5.8	5.3	4.5	4.5
30°	7.5	7.0	6.2	5.9	5.4	4.5	4.5
27.5°	7.8	7.1	6.3	5.9	5.4	4.5	4.5
25°	8.0	7.3	6.4	6.0	5.5	4.5	4.5
22.5°	8.3	7.5	6.5	6.1	5.5	4.5	4.5
20°	8.5	7.6	6.6	6.1	5.6	4.5	4.5
17.5°	8.8	7.6	6.7	6.2	5.6	4.5	4.5
15°	9.0	7.7	6.7	6.3	5.6	4.5	4.5
12.5°	9.2	7.8	6.8	6.4	5.6	4.5	4.5
10°	9.4	7.8	6.8	6.5	5.7	4.5	4.5
7.5°	9.6	7.9	6.8	6.6	5.7	4.5	4.5
5°	9.8	7.9	6.8	6.6	5.7	4.5	4.5
2.5°	10.0	7.9	6.8	6.7	5.7	4.5	4.5
0°	10.2	7.9	6.8	6.8	5.7	4.5	4.5
-2.5°	11.1	8.1	7.0	6.9	5.7	4.5	4.5
-5°	11.9	8.4	7.2	6.9	5.8	4.6	4.5
-7.5°	12.7	8.6	7.4	7.0	5.8	4.6	4.5
-10°	13.4	8.8	7.5	7.0	5.9	4.6	4.5
-12.5°	13.9	9.0	7.7	7.1	5.9	4.6	4.5
-15°	14.4	9.2	7.9	7.1	5.9	4.7	4.5
-17.5°	14.6	9.4	8.0	7.1	5.9	4.7	4.5
-20°	14.9	9.5	8.1	7.2	5.9	4.7	4.5



REPORT NUMBER: P701417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	15.3	9.7	8.2	7.2	5.9	4.7	4.5
-25°	15.3	9.9	8.3	7.2	5.9	4.7	4.5
-27.5°	15.1	10.1	8.4	7.2	5.9	4.7	4.5
-30°	14.5	10.2	8.4	7.2	5.9	4.8	4.5
-32.5°	13.6	10.2	8.5	7.2	5.9	4.8	4.5
-35°	13.3	10.2	8.5	7.2	5.9	4.8	4.5
-37.5°	13.2	10.2	8.5	7.1	5.9	4.8	4.5
-40°	13.1	10.2	8.5	7.1	5.9	4.8	4.5
-42.5°	12.8	10.1	8.4	7.1	5.8	4.8	4.5
-45°	12.4	10.0	8.4	7.0	5.8	4.8	4.5
-47.5°	12.0	9.9	8.3	6.9	5.8	4.8	4.5
-50°	11.7	9.8	8.2	6.9	5.7	4.8	4.5
-52.5°	11.5	9.6	8.1	6.8	5.7	4.8	4.5
-55°	11.2	9.4	7.9	6.7	5.6	4.8	4.5
-57.5°	10.9	9.2	7.8	6.6	5.6	4.8	4.5
-60°	10.6	9.0	7.6	6.5	5.5	4.8	4.5
-62.5°	10.2	8.7	7.4	6.4	5.5	4.7	4.5
-65°	9.8	8.4	7.2	6.2	5.4	4.7	4.5
-67.5°	9.4	8.1	7.0	6.1	5.3	4.7	4.5
-70°	8.9	7.7	6.8	6.0	5.3	4.7	4.5
-72.5°	8.4	7.4	6.5	5.8	5.2	4.7	4.5
-75°	7.9	7.0	6.3	5.7	5.1	4.6	4.5
-77.5°	7.4	6.6	6.1	5.5	5.0	4.6	4.5
-80°	6.8	6.3	5.9	5.4	4.9	4.6	4.5
-82.5°	6.5	6.1	5.7	5.3	4.8	4.6	4.5
-85°	6.3	5.9	5.5	5.1	4.7	4.6	4.5
-87.5°	6.0	5.6	5.3	5.0	4.6	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

