

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: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-70-2S-CV1-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-13)  
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-CV1-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

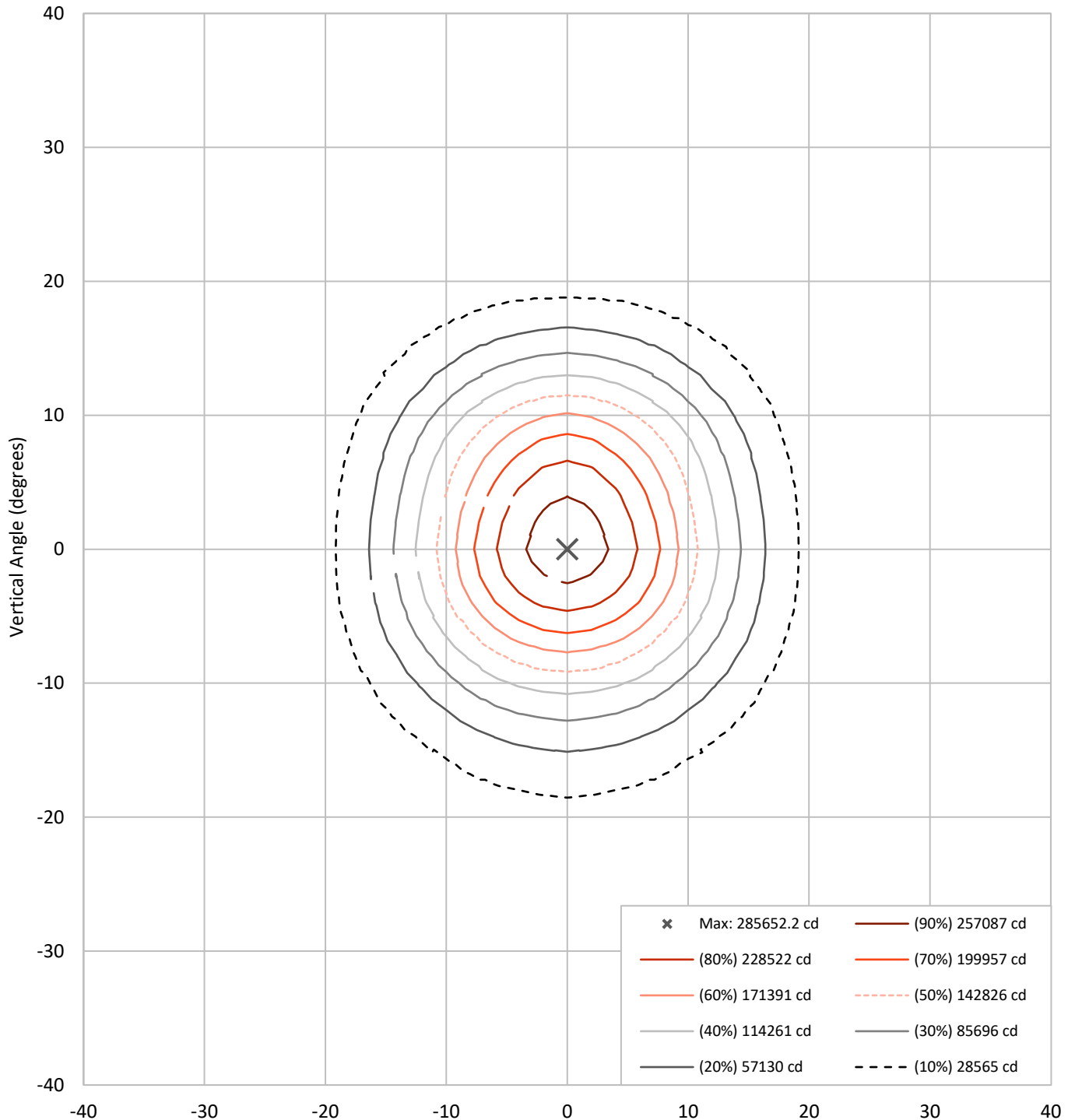
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	46190.2 lumens	Max Intensity:	285652.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	133.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.6°H x 20.7°V	Field Angle (10%):	38.3°H x 37.3°V
Beam Lumens:	21448.7 lumens	Field Lumens:	39048.2 lumens
Beam Efficiency:	46.4%	Field Efficiency:	84.5%

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

REPORT NUMBER: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV1-S

### Iso-Candela Plot





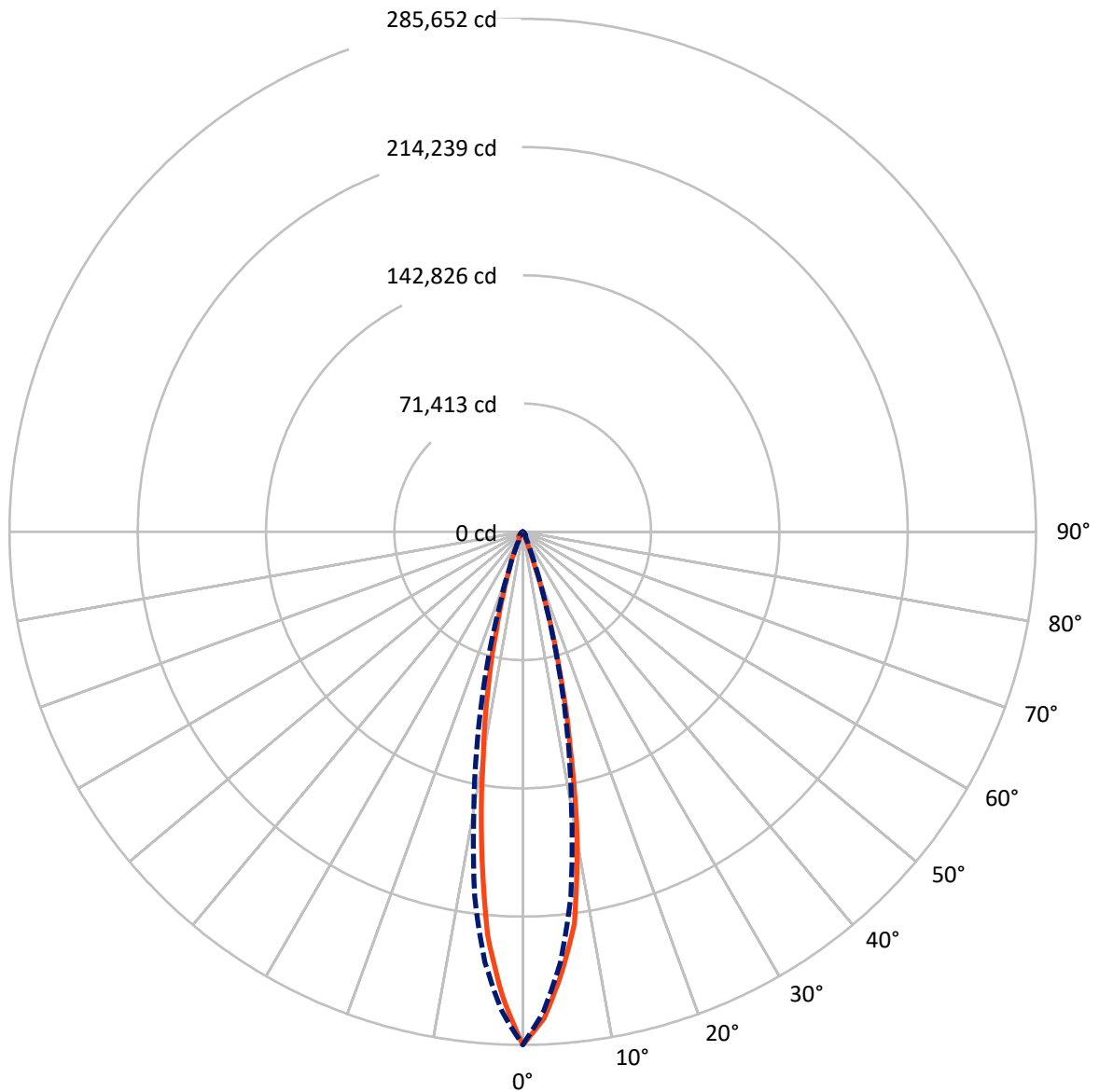
REPORT NUMBER: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV1-S

### Lumen Table

90	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1										
80	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1									
70	0.1	0.0	0.1	0.4	0.4	0.3	0.2	0.1	0.1	0.2	0.3	0.4	0.4	0.1	0.0	0.1				
60		0.1	0.2	0.4	0.3	0.2	0.1	0.2	0.2	0.1	0.2	0.3	0.4	0.2	0.1					
50	0.1	0.1	0.3	0.3	0.4	0.6	1.1	0.7	0.7	1.1	0.6	0.4	0.3	0.3	0.1	0.1				
40		0.2	0.6	1.6	3.1	4.5	6.2	7.4	7.4	6.2	4.5	3.1	1.6	0.6	0.2					
30	0.2	0.3	2.9	9.3	22.1	33.5	58.0	110.0	110.0	58.0	33.5	22.1	9.3	2.9	0.3	0.2				
20		0.9	6.2	24.7	56.6	105.8	691.1	2141.4	2141.4	691.1	105.8	56.6	24.7	6.2	0.9					
10	0.2	1.3	8.0	33.1	67.2	212.0	2031.1	6087.4	6087.4	2031.1	212.0	67.2	33.1	8.0	1.3	0.2				
0		1.7	8.6	33.2	67.1	202.1	1910.3	5536.4	5536.4	1910.3	202.1	67.1	33.2	8.6	1.7					
-10	0.4	2.0	8.2	26.6	56.7	98.3	561.9	1627.2	1627.2	561.9	98.3	56.7	26.6	8.2	2.0	0.4				
-20		2.0	7.8	18.9	50.8	75.8	115.2	222.7	222.7	115.2	75.8	50.8	18.9	7.8	2.0					
-30	0.3	1.8	6.7	14.2	35.4	73.6	95.7	106.9	106.9	95.7	73.6	35.4	14.2	6.7	1.8	0.3				
-40		1.2	5.0	11.7	20.9	35.5	60.7	80.9	80.9	60.7	35.5	20.9	11.7	5.0	1.2					
-50	0.2	0.6	3.0	7.7	14.9	22.6	29.4	33.3	33.3	29.4	22.6	14.9	7.7	3.0	0.6	0.2				
-60		0.3	1.0	3.1	6.6	10.5	14.5	16.8	16.8	14.5	10.5	6.6	3.1	1.0	0.3					
-70	0.1	0.7	2.2	5.2	7.0	5.2	2.2	0.7	0.1							0.1				
-80		0.1	0.7	2.2	5.2	7.0	5.2	2.2	0.7	0.1										
-90	0.1	0.7	2.2	5.2	7.0	5.2	2.2	0.7	0.1											

REPORT NUMBER: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV1-S

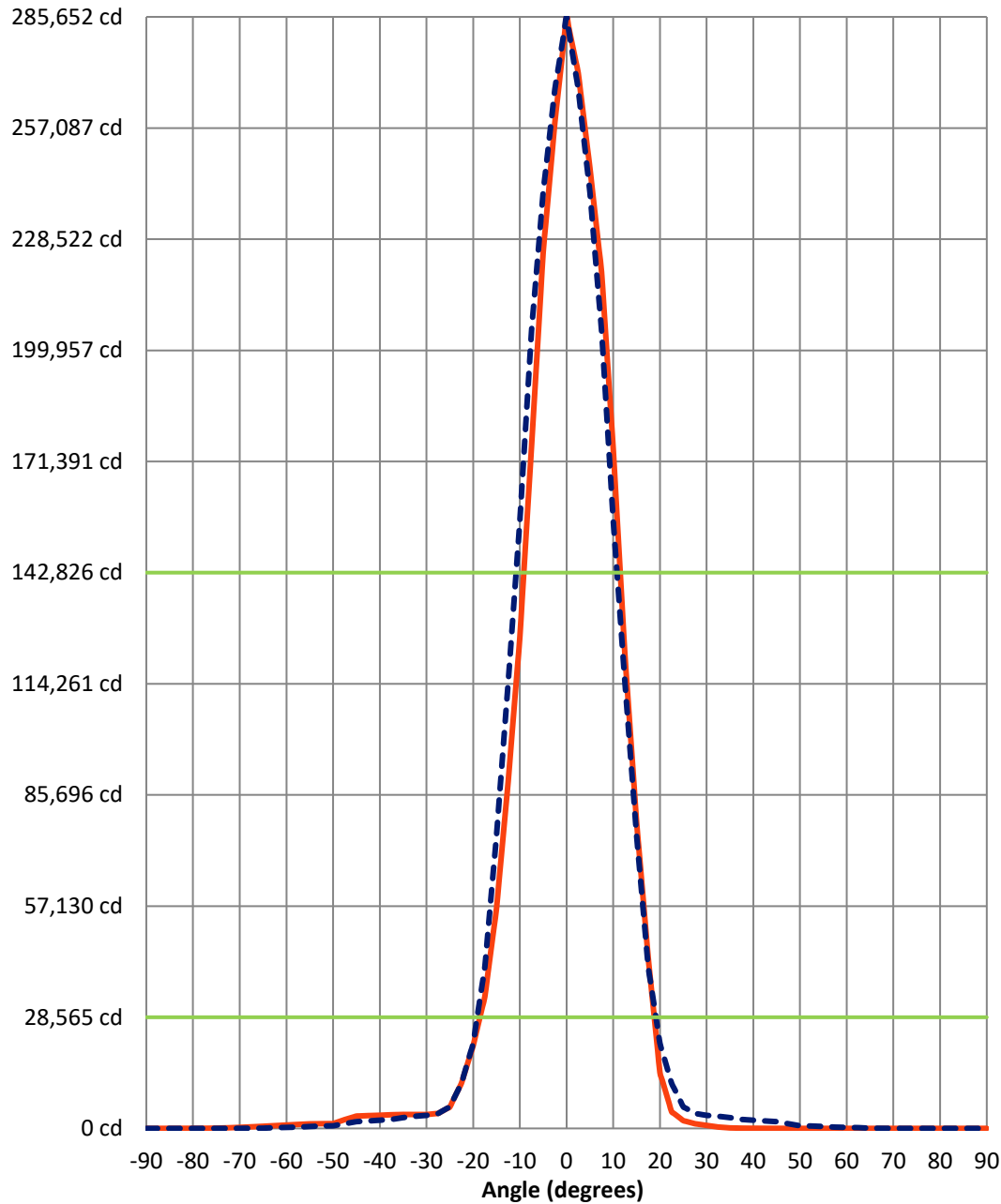
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV1-S

### Luminous Intensity Plot



**Beam:**  
 H Angle: 21.6°  
 V Angle: 20.7°  
 Lumens: 21448.7  
 Efficiency: 46.4%

**Field:**  
 H Angle: 38.3°  
 V Angle: 37.3°  
 Lumens: 39048.2  
 Efficiency: 84.5%

**Spill:**  
 Lumens: 7142  
 Efficiency: 15.5%

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



REPORT NUMBER: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV1-S

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	3.4	4.0	4.5	4.8	5.1	5.4	5.7	6.0	6.3	6.5	6.8
87.5°	3.4	3.4	3.4	3.2	2.9	2.8	2.6	2.5	2.5	2.4	2.3
85°	3.4	3.4	3.4	3.2	3.0	2.9	2.9	2.8	2.7	2.5	2.3
82.5°	3.4	3.5	3.4	3.2	3.1	3.1	3.2	3.1	2.9	2.7	2.6
80°	3.4	3.5	3.4	3.3	3.2	3.3	3.4	3.2	3.1	3.0	3.1
77.5°	3.4	3.5	3.4	3.3	3.3	3.4	3.4	3.3	3.2	3.3	3.4
75°	3.4	3.5	3.4	3.3	3.4	3.5	3.4	3.4	3.4	3.4	3.4
72.5°	3.4	3.6	3.4	3.4	3.5	3.6	3.5	3.4	3.4	3.4	3.4
70°	3.4	3.6	3.4	3.4	3.6	3.6	3.5	3.4	3.4	3.4	3.4
67.5°	3.4	3.6	3.5	3.5	3.7	3.7	3.5	3.4	3.4	3.6	3.5
65°	3.4	3.7	3.5	3.6	3.8	3.8	3.5	3.4	3.6	3.8	3.6
62.5°	3.4	3.7	3.5	3.8	4.0	3.8	3.6	3.6	3.9	3.9	3.7
60°	3.4	3.7	3.5	3.9	4.1	3.9	3.6	3.9	4.2	4.0	3.7
57.5°	3.4	3.7	3.6	4.0	4.1	3.9	3.9	4.2	4.3	4.0	4.1
55°	3.4	3.8	3.7	4.1	4.1	3.9	4.2	4.5	4.3	4.2	4.5
52.5°	3.4	3.8	3.8	4.2	4.2	4.0	4.4	4.6	4.4	4.6	5.0
50°	3.4	3.8	3.9	4.3	4.2	4.2	4.7	4.7	4.5	5.0	6.1
47.5°	3.4	3.9	4.0	4.4	4.2	4.4	5.0	4.7	4.9	5.5	7.2
45°	3.4	3.9	4.0	4.5	4.3	4.7	5.0	4.8	5.3	6.2	8.1
42.5°	3.4	3.9	4.1	4.5	4.3	4.9	5.1	5.0	5.8	6.9	9.4
40°	3.4	4.0	4.2	4.5	4.4	5.1	5.1	5.4	6.3	7.5	10.6
37.5°	3.4	4.0	4.2	4.5	4.6	5.3	5.2	5.8	6.9	8.4	11.8
35°	3.4	4.0	4.3	4.6	4.7	5.4	5.3	6.2	7.5	9.8	12.8
32.5°	3.4	4.1	4.3	4.6	4.9	5.5	5.4	6.7	8.1	11.2	14.1
30°	3.4	4.1	4.4	4.7	5.0	5.5	5.7	7.1	8.7	12.6	15.6
27.5°	3.4	4.2	4.4	4.7	5.2	5.6	6.1	7.6	9.5	14.0	17.2
25°	3.4	4.2	4.4	4.8	5.3	5.7	6.4	8.1	10.7	15.3	19.0
22.5°	3.4	4.2	4.4	4.9	5.4	5.7	6.7	8.5	11.8	16.7	22.1
20°	3.4	4.3	4.5	5.0	5.5	5.8	7.0	8.9	12.9	18.1	25.6
17.5°	3.4	4.3	4.5	5.1	5.6	5.9	7.4	9.3	13.9	19.5	29.3
15°	3.4	4.3	4.5	5.2	5.6	6.0	7.7	9.7	14.9	20.8	33.3
12.5°	3.4	4.4	4.5	5.3	5.6	6.1	7.9	10.0	15.8	22.2	37.5
10°	3.4	4.4	4.5	5.3	5.7	6.3	8.2	10.4	16.4	23.9	41.7
7.5°	3.4	4.4	4.5	5.4	5.7	6.4	8.4	10.6	17.0	25.6	45.9
5°	3.4	4.4	4.5	5.5	5.7	6.5	8.7	10.9	17.5	27.4	49.8
2.5°	3.4	4.5	4.5	5.6	5.7	6.7	8.8	11.1	17.8	29.0	53.4
0°	3.4	4.5	4.5	5.7	5.7	6.8	9.0	11.3	18.1	30.5	56.6
-2.5°	3.4	4.5	4.6	5.8	5.9	7.2	9.9	14.0	23.6	40.2	70.5
-5°	3.4	4.5	4.6	5.8	6.1	7.5	10.7	16.5	28.8	49.4	83.7
-7.5°	3.4	4.6	4.7	5.9	6.3	7.9	11.5	18.9	33.7	58.0	95.8
-10°	3.4	4.6	4.7	5.9	6.4	8.2	12.2	21.0	38.1	65.8	106.8
-12.5°	3.4	4.6	4.8	6.0	6.6	8.5	12.9	22.8	41.8	72.5	116.2
-15°	3.4	4.6	4.8	6.0	6.8	8.7	13.4	24.3	45.5	78.2	123.8
-17.5°	3.4	4.6	4.9	6.0	6.9	8.9	13.8	25.9	49.2	82.9	129.5
-20°	3.4	4.6	4.9	6.1	7.0	9.1	14.2	27.6	51.9	86.6	133.3



REPORT NUMBER: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.4	4.6	5.0	6.1	7.1	9.2	14.7	28.6	53.7	89.3	134.9
-25°	3.4	4.6	5.0	6.1	7.2	9.4	15.0	28.8	54.4	90.8	134.1
-27.5°	3.4	4.7	5.1	6.1	7.3	9.5	14.9	28.3	53.9	91.3	135.2
-30°	3.4	4.6	5.1	6.1	7.3	9.5	14.4	27.0	53.1	90.6	134.9
-32.5°	3.4	4.6	5.1	6.1	7.4	9.5	13.6	26.2	51.6	88.4	133.1
-35°	3.4	4.6	5.2	6.0	7.5	9.4	13.2	25.2	48.8	84.5	129.8
-37.5°	3.4	4.6	5.2	6.0	7.5	9.4	13.1	23.6	44.9	78.9	121.8
-40°	3.4	4.6	5.3	6.0	7.5	9.4	12.8	21.5	39.7	72.9	111.8
-42.5°	3.4	4.6	5.3	6.0	7.5	9.4	12.5	18.7	35.5	64.6	100.3
-45°	3.4	4.6	5.3	5.9	7.5	9.4	12.1	16.6	31.7	55.1	87.6
-47.5°	3.4	4.6	5.4	5.9	7.5	9.3	11.5	15.9	27.0	44.7	75.6
-50°	3.4	4.6	5.4	5.9	7.4	9.2	11.3	15.1	21.4	38.2	62.4
-52.5°	3.4	4.5	5.5	6.0	7.3	9.1	11.2	14.2	18.8	31.2	48.7
-55°	3.4	4.5	5.5	6.0	7.2	8.9	10.9	13.2	17.5	23.6	39.9
-57.5°	3.4	4.5	5.5	6.0	7.1	8.7	10.7	12.9	16.0	20.4	30.5
-60°	3.4	4.4	5.5	6.0	6.9	8.5	10.4	12.5	14.6	18.5	23.1
-62.5°	3.4	4.4	5.5	6.0	6.8	8.3	10.0	12.0	13.9	16.4	20.6
-65°	3.4	4.4	5.4	6.0	6.8	8.0	9.6	11.4	13.3	15.3	18.0
-67.5°	3.4	4.3	5.3	6.0	6.7	7.7	9.2	10.9	12.5	14.4	16.4
-70°	3.4	4.3	5.2	5.9	6.5	7.5	8.8	10.2	11.8	13.5	15.3
-72.5°	3.4	4.3	5.2	5.8	6.4	7.2	8.3	9.6	10.9	12.5	14.1
-75°	3.4	4.2	5.1	5.7	6.2	6.9	7.9	9.0	10.1	11.4	12.8
-77.5°	3.4	4.2	5.0	5.5	6.1	6.6	7.4	8.4	9.4	10.4	11.5
-80°	3.4	4.1	4.9	5.4	5.9	6.3	6.8	7.7	8.7	9.6	10.5
-82.5°	3.4	4.1	4.8	5.3	5.7	6.1	6.5	7.2	7.9	8.7	9.6
-85°	3.4	4.0	4.7	5.1	5.5	5.9	6.3	6.8	7.4	8.0	8.6
-87.5°	3.4	4.0	4.6	5.0	5.3	5.6	6.0	6.4	6.8	7.3	7.7
-90°	3.4	3.4	3.4	3.1	2.9	2.6	2.3	2.3	2.3	2.3	2.3





REPORT NUMBER: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV1-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	8.5	8.7
87.5°	2.1	2.0	1.9	1.8	1.6	1.5	1.3	1.1	1.1	1.1	1.1
85°	2.3	2.3	2.3	2.3	2.0	1.7	1.4	1.1	1.1	1.1	1.1
82.5°	2.6	2.6	2.5	2.3	2.0	1.7	1.4	1.3	1.3	1.3	1.2
80°	3.0	2.9	2.6	2.3	2.2	2.1	2.0	2.1	2.0	1.8	1.6
77.5°	3.2	2.9	2.6	2.4	2.3	2.5	2.7	2.9	2.8	2.7	2.6
75°	3.2	2.9	2.8	2.8	3.0	3.2	3.4	3.4	3.3	3.2	3.2
72.5°	3.3	3.2	3.2	3.4	3.4	3.4	3.4	3.4	4.3	5.6	6.4
70°	3.4	3.4	3.4	3.4	3.4	3.7	5.3	7.5	9.8	11.1	12.2
67.5°	3.4	3.4	3.4	3.5	4.4	6.1	8.6	13.5	18.7	20.0	19.8
65°	3.4	3.4	3.8	4.6	5.6	9.8	15.1	21.2	25.7	25.0	23.4
62.5°	3.4	3.9	4.6	6.3	9.7	14.6	19.5	23.8	28.2	27.4	23.6
60°	3.9	4.4	6.3	9.7	13.4	17.0	21.5	24.4	27.2	27.9	21.3
57.5°	4.4	5.7	8.9	12.4	15.5	18.2	19.9	22.4	23.3	22.7	16.6
55°	5.3	7.6	11.0	14.3	16.6	15.9	16.9	17.7	17.4	16.1	11.8
52.5°	6.9	9.4	12.8	15.5	15.8	14.3	13.4	13.5	12.5	10.6	9.2
50°	8.3	11.2	14.3	15.8	15.1	12.8	10.7	10.3	9.6	8.7	7.9
47.5°	9.8	12.9	15.4	16.2	14.0	11.9	9.8	9.1	8.6	8.9	8.4
45°	11.3	14.2	16.7	15.3	13.4	11.7	10.8	9.0	10.1	10.8	11.2
42.5°	12.7	15.4	16.4	14.6	13.5	13.5	13.3	12.9	13.5	16.3	17.9
40°	13.8	16.5	16.4	16.0	14.8	17.0	19.1	20.7	20.9	24.6	27.4
37.5°	14.7	16.9	17.8	20.1	19.0	23.1	26.6	40.8	41.4	34.2	46.4
35°	15.6	17.7	23.4	29.8	32.4	31.5	51.5	70.1	74.7	67.2	79.7
32.5°	16.6	19.1	31.1	46.1	59.7	60.7	83.5	113.2	128.7	134.0	140.9
30°	18.4	26.1	42.8	66.6	99.4	126.2	137.1	168.9	197.6	255.2	295.4
27.5°	21.6	35.4	62.5	103.2	153.4	204.1	221.5	243.6	318.9	420.9	521.6
25°	25.6	54.9	84.9	151.6	228.5	284.7	306.8	336.6	478.9	675.8	791.7
22.5°	35.9	80.0	118.8	207.4	311.7	363.2	392.1	499.3	716.9	978.5	1095.9
20°	54.2	109.9	160.1	254.0	395.3	441.2	473.6	696.6	1013.3	1261.8	1445.9
17.5°	75.5	140.0	201.1	303.2	431.5	500.6	568.3	914.3	1323.9	1542.5	1759.2
15°	98.8	169.8	236.6	346.9	464.2	536.2	713.9	1160.8	1604.8	1818.0	2034.2
12.5°	123.6	199.2	267.1	385.3	496.6	569.4	846.1	1336.5	1754.8	2035.3	2294.8
10°	148.9	227.9	293.1	418.5	527.9	600.1	969.8	1485.8	1834.4	2083.9	2377.9
7.5°	166.0	246.6	313.4	446.6	557.7	628.3	1081.9	1609.0	1888.4	2108.2	2369.5
5°	179.4	253.7	321.1	466.6	582.2	650.6	1170.2	1706.4	1921.2	2112.0	2325.6
2.5°	190.2	258.5	327.2	482.1	601.7	664.8	1199.5	1736.4	1927.7	2111.8	2304.6
0°	197.9	261.3	331.4	493.2	617.6	676.4	1205.7	1743.0	1922.8	2107.2	2313.1
-2.5°	204.9	269.3	344.4	502.6	618.3	677.7	1199.8	1735.3	1944.5	2158.2	2404.1
-5°	209.2	275.7	355.1	507.4	615.9	676.9	1172.4	1704.3	1942.3	2159.1	2419.1
-7.5°	211.2	280.6	363.0	506.8	607.4	667.7	1100.0	1605.3	1866.0	2070.2	2342.8
-10°	211.9	286.6	368.1	496.1	591.5	652.3	1006.4	1487.9	1781.5	1972.9	2237.3
-12.5°	213.9	293.5	371.5	484.0	575.7	634.8	900.6	1354.4	1690.1	1868.5	2117.0
-15°	213.8	298.8	373.1	471.5	561.1	615.2	785.1	1207.1	1622.0	1848.6	2051.7
-17.5°	211.8	302.5	373.3	459.5	548.4	593.5	666.3	1077.1	1565.7	1840.5	2037.5
-20°	208.1	304.7	372.1	448.8	536.6	584.4	643.6	951.0	1416.0	1811.5	2031.9



REPORT NUMBER: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	202.9	305.3	370.8	443.4	527.4	587.4	638.1	812.9	1218.3	1763.4	1994.1
-25°	200.0	296.3	369.3	437.1	517.5	590.9	632.4	685.5	1022.9	1521.4	1905.3
-27.5°	198.5	286.0	360.9	426.6	504.9	590.0	632.9	677.8	857.6	1245.0	1768.1
-30°	193.8	268.9	349.5	412.9	490.1	573.3	637.0	672.3	722.7	1023.2	1450.1
-32.5°	184.1	251.0	330.7	398.1	470.7	553.9	632.7	672.1	715.2	804.4	1148.8
-35°	173.9	237.0	309.1	379.6	446.8	527.6	604.7	670.7	707.9	754.1	908.1
-37.5°	165.8	221.2	287.1	357.0	423.3	496.0	573.7	646.6	702.3	748.8	807.5
-40°	155.6	203.7	267.0	332.5	397.4	464.6	537.2	610.6	681.0	751.5	805.0
-42.5°	143.3	190.1	246.0	307.6	369.8	434.3	499.2	569.9	652.0	740.9	809.5
-45°	128.7	174.2	224.0	281.1	339.5	401.5	464.3	528.2	614.8	706.1	792.1
-47.5°	112.3	156.0	203.4	252.5	307.7	365.6	426.7	493.5	569.5	656.7	750.4
-50°	94.9	135.4	179.7	225.3	274.6	328.0	384.5	452.1	523.5	599.9	684.5
-52.5°	78.6	112.9	153.9	197.4	242.0	289.9	342.9	403.3	470.3	541.4	612.5
-55°	60.9	91.8	126.0	166.7	209.5	252.6	298.9	352.5	410.7	475.6	539.3
-57.5°	47.2	69.8	99.3	133.3	173.2	214.9	255.9	299.5	350.5	405.7	459.5
-60°	35.7	51.3	73.1	101.8	133.8	171.3	210.7	250.3	291.4	332.5	378.3
-62.5°	25.3	37.3	51.7	70.8	98.1	126.1	158.9	195.4	234.2	269.4	303.2
-65°	22.1	25.7	35.5	48.9	63.0	86.1	111.0	136.6	168.5	200.1	232.3
-67.5°	18.8	22.1	25.3	30.3	42.5	54.6	66.6	88.3	110.5	130.6	152.2
-70°	17.1	18.7	21.3	24.2	26.9	32.0	42.5	52.9	63.0	75.0	92.0
-72.5°	15.5	16.9	18.4	20.0	22.4	24.8	27.2	29.5	35.5	43.8	51.6
-75°	14.0	15.1	16.3	17.6	19.0	20.4	22.1	24.1	26.0	27.9	29.8
-77.5°	12.5	13.4	14.3	15.2	16.2	17.3	18.5	19.8	20.9	22.0	23.1
-80°	11.1	11.8	12.6	13.3	14.0	14.6	15.4	16.1	16.7	17.4	18.1
-82.5°	10.0	10.4	10.9	11.4	11.8	12.2	12.5	12.9	13.6	14.2	14.7
-85°	8.8	9.0	9.2	9.5	10.0	10.4	10.8	11.1	11.4	11.7	12.0
-87.5°	7.8	7.9	8.0	8.1	8.4	8.8	9.2	9.5	9.7	9.8	9.9
-90°	2.0	1.7	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



REPORT NUMBER: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV1-S

**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	9.3	9.6	9.9	10.2	10.2	10.2
87.5°	1.1	1.1	1.0	1.0	1.0	0.8	0.5	0.3	0.0	0.0	0.0
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.5	1.4	1.4	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	2.5	2.3	2.0	1.6	1.2	1.1	1.1	1.1	1.1	1.1	1.1
75°	3.3	3.2	3.1	2.8	2.3	2.2	2.2	2.2	2.1	2.1	2.2
72.5°	6.9	6.8	6.4	5.9	5.1	4.7	4.6	4.4	4.1	3.9	3.8
70°	12.5	12.1	11.4	10.1	8.4	7.2	6.6	5.8	4.9	4.5	4.4
67.5°	18.0	16.2	14.6	12.8	10.5	8.6	7.6	6.6	5.7	5.3	5.1
65°	20.8	16.6	13.8	11.7	10.0	8.4	7.3	6.3	5.3	4.8	4.6
62.5°	19.1	13.9	10.9	9.1	7.7	6.7	5.9	5.1	4.3	3.8	3.9
60°	15.6	10.6	8.2	7.2	6.4	5.8	5.0	4.3	3.8	3.5	3.8
57.5°	11.9	8.5	6.7	6.3	5.7	4.9	4.3	4.2	4.1	4.1	4.3
55°	8.9	7.5	6.8	6.0	5.3	4.8	4.5	4.7	4.7	4.5	4.5
52.5°	7.6	7.0	6.2	5.5	5.4	5.4	5.6	5.4	5.2	5.2	5.4
50°	7.4	6.8	6.3	5.7	5.9	5.9	5.7	5.9	6.3	6.4	6.5
47.5°	8.0	7.6	8.0	6.7	7.0	7.8	7.9	8.0	9.0	9.5	9.6
45°	10.5	12.8	12.8	11.8	11.4	16.5	16.9	14.1	23.0	22.1	15.5
42.5°	19.5	20.7	20.7	26.0	35.1	40.1	53.1	73.9	69.2	53.8	32.5
40°	32.3	30.7	37.4	48.0	58.7	71.3	89.2	124.5	118.5	94.9	104.3
37.5°	55.7	55.7	58.9	73.7	77.8	66.9	95.2	92.0	73.3	103.1	109.1
35°	101.9	112.1	95.1	118.0	121.1	111.4	116.8	129.1	111.7	133.6	143.0
32.5°	183.0	201.9	204.4	210.0	226.8	239.7	236.1	266.2	267.7	296.1	335.1
30°	292.4	331.7	372.3	378.6	399.6	433.7	450.8	511.5	575.8	617.9	695.2
27.5°	514.1	523.8	605.5	669.8	644.2	695.2	822.9	897.0	1019.8	1093.0	1170.8
25°	825.7	852.3	967.4	1086.0	1101.8	1148.4	1333.9	1439.9	1566.5	1640.4	1800.9
22.5°	1221.1	1336.0	1462.7	1618.6	1682.6	1792.1	1972.5	2127.9	2391.7	2718.0	3421.3
20°	1661.6	1834.3	2004.6	2141.6	2273.5	2447.7	2667.2	3416.7	4304.8	6980.6	8826.9
17.5°	2038.5	2321.5	2484.2	2616.8	2782.4	3118.5	3989.7	6198.3	10457.6	16415.1	21868.3
15°	2331.6	2595.8	2857.6	3023.8	3282.6	4026.5	5799.1	11215.9	20041.6	30098.3	42267.9
12.5°	2564.0	2783.4	3003.2	3247.9	3726.0	5175.8	9685.6	18050.8	30885.1	47141.1	68715.5
10°	2689.5	2909.0	3121.2	3469.5	4354.5	6994.4	13314.7	24346.5	44489.8	69878.0	97373.1
7.5°	2688.6	2956.2	3218.6	3643.4	4995.2	9167.6	17589.8	32518.0	56344.0	88173.6	123571.0
5°	2687.2	3011.0	3285.8	3765.3	5395.8	10650.7	20243.4	37043.4	65996.3	101916.1	139818.0
2.5°	2713.2	3069.6	3329.3	3845.5	5581.5	11446.5	21715.3	40617.8	72744.5	109738.1	150239.3
0°	2774.6	3121.8	3354.8	3853.6	5559.3	11610.6	21886.5	41482.6	75341.6	114644.0	156205.2
-2.5°	2876.0	3114.3	3340.4	3821.1	5485.2	11271.9	21486.6	40728.2	72332.2	109184.9	149408.4
-5°	2814.9	3007.4	3207.3	3639.8	5121.4	10084.7	19354.7	36445.1	63438.4	96532.3	130989.3
-7.5°	2658.1	2853.2	3038.4	3411.3	4597.0	8322.2	15832.4	29277.2	50360.8	76134.1	103197.9
-10°	2515.2	2690.1	2864.5	3162.8	3927.9	6104.1	11329.4	20720.0	36769.2	56197.7	76880.1
-12.5°	2405.1	2552.0	2686.4	2886.3	3311.7	4527.2	8242.3	15211.9	24691.2	37060.4	52196.8
-15°	2308.3	2422.5	2521.3	2713.7	3029.9	3664.9	5135.9	9117.5	15024.0	22818.0	31083.0
-17.5°	2218.7	2328.2	2444.9	2591.5	2790.6	3095.4	3940.4	5615.2	9022.8	14114.0	18988.5
-20°	2172.8	2306.9	2407.2	2521.9	2690.9	2925.1	3222.0	4052.8	5457.3	8586.3	11755.6



REPORT NUMBER: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2136.7	2264.5	2379.0	2512.1	2685.6	2870.5	3030.7	3284.5	3947.1	4929.8	6565.9
-25°	2092.7	2218.7	2388.0	2581.7	2730.8	2870.6	2951.9	3004.8	3289.1	3570.0	4196.4
-27.5°	2009.1	2208.8	2457.5	2666.5	2827.0	2913.7	2979.2	3022.1	3192.6	3360.0	3542.3
-30°	1934.4	2240.6	2509.0	2752.2	2891.8	2997.8	3083.2	3160.4	3278.2	3420.1	3486.4
-32.5°	1669.3	2231.9	2530.6	2754.4	2897.9	3022.9	3154.6	3225.9	3329.7	3433.6	3517.3
-35°	1311.2	1882.9	2507.2	2635.4	2777.9	2940.9	3099.0	3200.6	3306.2	3413.2	3511.8
-37.5°	982.2	1409.9	1916.1	2379.2	2570.3	2737.2	2931.3	3087.8	3226.0	3342.7	3455.0
-40°	860.9	977.0	1349.4	1717.2	2107.8	2466.2	2658.1	2867.6	3075.6	3219.7	3347.9
-42.5°	859.6	904.0	942.1	1188.6	1489.1	1797.4	2123.6	2427.7	2766.2	3003.5	3183.5
-45°	865.1	899.7	935.1	970.8	1003.6	1230.4	1468.4	1709.6	2062.9	2413.6	2716.8
-47.5°	823.9	890.6	933.1	967.4	999.8	1031.7	1062.8	1127.8	1353.7	1592.7	1811.2
-50°	758.6	827.4	890.6	954.0	991.2	1022.7	1056.6	1093.7	1129.8	1166.5	1191.0
-52.5°	678.6	746.2	812.0	872.1	926.3	979.6	1032.8	1076.0	1114.6	1152.2	1170.9
-55°	601.9	662.8	722.8	775.7	828.6	881.1	934.0	986.7	1039.0	1090.3	1116.6
-57.5°	516.9	576.1	632.4	677.0	721.9	766.7	814.8	864.2	912.0	955.7	978.7
-60°	426.7	477.4	525.7	568.9	611.0	651.4	692.2	733.5	773.9	809.4	830.3
-62.5°	337.0	376.1	416.4	454.1	489.9	524.4	561.6	597.1	630.7	659.0	678.7
-65°	263.8	293.1	318.8	345.0	371.5	401.8	432.5	461.4	488.6	511.0	527.9
-67.5°	179.1	206.0	229.6	251.8	272.2	292.8	314.8	335.9	355.9	372.5	385.5
-70°	108.3	123.4	136.9	151.9	169.6	187.0	204.4	220.5	235.1	247.1	256.6
-72.5°	58.9	65.3	72.1	82.9	92.8	102.7	112.4	121.4	129.5	136.7	143.0
-75°	31.7	34.4	39.4	43.9	47.8	51.8	55.7	59.2	62.4	65.1	67.3
-77.5°	24.5	25.8	27.0	28.1	29.0	29.9	30.7	31.5	32.3	33.1	33.8
-80°	18.8	19.7	20.6	21.5	22.3	22.9	23.4	23.8	24.1	24.6	25.1
-82.5°	15.1	15.5	15.9	16.4	16.8	17.3	17.7	18.2	18.6	18.8	18.9
-85°	12.4	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.4	13.5	13.5
-87.5°	10.0	10.0	10.0	10.1	10.1	10.4	10.7	11.0	11.3	11.3	11.3
-90°	1.1	0.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.9
87.5°	0.0	0.0	0.5	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.3
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	2.2	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.2
72.5°	3.6	3.4	3.4	3.4	3.4	3.4	3.6	3.8	3.9	4.1	4.4
70°	4.4	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.5	4.9	5.8
67.5°	4.8	4.5	4.0	3.4	4.0	4.5	4.8	5.1	5.3	5.7	6.6
65°	4.5	4.5	4.0	3.4	4.0	4.5	4.5	4.6	4.8	5.3	6.3
62.5°	4.2	4.4	4.0	3.4	4.0	4.4	4.2	3.9	3.8	4.3	5.1
60°	4.1	4.4	4.5	4.5	4.5	4.4	4.1	3.8	3.5	3.8	4.3
57.5°	4.4	4.5	4.5	4.5	4.5	4.5	4.4	4.3	4.1	4.1	4.2
55°	4.5	4.5	5.0	5.7	5.0	4.5	4.5	4.5	4.5	4.7	4.7
52.5°	5.5	5.6	5.7	5.7	5.7	5.6	5.5	5.4	5.2	5.2	5.4
50°	6.6	6.7	6.8	6.8	6.8	6.7	6.6	6.5	6.4	6.3	5.9
47.5°	9.6	9.2	9.0	9.0	9.0	9.2	9.6	9.6	9.5	9.0	8.0
45°	15.7	15.7	15.7	15.8	15.7	15.7	15.7	15.5	22.1	23.0	14.1
42.5°	31.7	28.5	26.0	27.1	26.0	28.5	31.7	32.5	53.8	69.2	73.9
40°	93.1	63.9	37.0	37.3	37.0	63.9	93.1	104.3	94.9	118.5	124.5
37.5°	87.0	70.2	63.3	62.2	63.3	70.2	87.0	109.1	103.1	73.3	92.0
35°	143.5	142.6	136.3	135.7	136.3	142.6	143.5	143.0	133.6	111.7	129.1
32.5°	350.1	364.5	359.8	354.0	359.8	364.5	350.1	335.1	296.1	267.7	266.2
30°	731.9	763.7	757.3	774.8	757.3	763.7	731.9	695.2	617.9	575.8	511.5
27.5°	1213.9	1234.8	1213.2	1206.9	1213.2	1234.8	1213.9	1170.8	1093.0	1019.8	897.0
25°	1910.6	1951.0	1969.6	2007.7	1969.6	1951.0	1910.6	1800.9	1640.4	1566.5	1439.9
22.5°	4295.7	4546.0	4417.4	4302.6	4417.4	4546.0	4295.7	3421.3	2718.0	2391.7	2127.9
20°	12606.6	14833.2	14669.1	14376.1	14669.1	14833.2	12606.6	8826.9	6980.6	4304.8	3416.7
17.5°	30398.2	37238.6	41498.5	43740.2	41498.5	37238.6	30398.2	21868.3	16415.1	10457.6	6198.3
15°	56710.4	68215.9	74971.3	78802.7	74971.3	68215.9	56710.4	42267.9	30098.3	20041.6	11215.9
12.5°	89456.8	107490.0	119453.4	121740.4	119453.4	107490.0	89456.8	68715.5	47141.1	30885.1	18050.8
10°	125514.9	148611.4	167659.7	174606.8	167659.7	148611.4	125514.9	97373.1	69878.0	44489.8	24346.5
7.5°	156309.7	185783.6	211077.0	220073.1	211077.0	185783.6	156309.7	123571.0	88173.6	56344.0	32518.0
5°	178702.5	217800.7	240695.4	246873.0	240695.4	217800.7	178702.5	139818.0	101916.1	65996.3	37043.4
2.5°	196930.3	234044.2	258590.4	271246.2	258590.4	234044.2	196930.3	150239.3	109738.1	72744.5	40617.8
0°	204944.7	240611.3	267084.3	285652.2	267084.3	240611.3	204944.7	156205.2	114644.0	75341.6	41482.6
-2.5°	195095.7	231569.7	250401.2	258539.6	250401.2	231569.7	195095.7	149408.4	109184.9	72332.2	40728.2
-5°	165872.2	200255.4	219182.6	225195.7	219182.6	200255.4	165872.2	130989.3	96532.3	63438.4	36445.1
-7.5°	129387.2	153207.9	169537.7	175228.9	169537.7	153207.9	129387.2	103197.9	76134.1	50360.8	29277.2
-10°	97425.7	114509.3	123260.2	126217.8	123260.2	114509.3	97425.7	76880.1	56197.7	36769.2	20720.0
-12.5°	66897.8	79758.3	85415.0	89131.2	85415.0	79758.3	66897.8	52196.8	37060.4	24691.2	15211.9
-15°	41150.7	49534.8	53988.9	56531.7	53988.9	49534.8	41150.7	31083.0	22818.0	15024.0	9117.5
-17.5°	25001.2	29558.6	32510.4	33847.7	32510.4	29558.6	25001.2	18988.5	14114.0	9022.8	5615.2
-20°	15521.4	18555.7	20279.3	21267.8	20279.3	18555.7	15521.4	11755.6	8586.3	5457.3	4052.8



REPORT NUMBER: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8719.4	10384.4	11318.0	11643.4	11318.0	10384.4	8719.4	6565.9	4929.8	3947.1	3284.5
-25°	4848.8	5272.6	5458.0	5501.6	5458.0	5272.6	4848.8	4196.4	3570.0	3289.1	3004.8
-27.5°	3700.3	3790.6	3847.9	3864.9	3847.9	3790.6	3700.3	3542.3	3360.0	3192.6	3022.1
-30°	3549.4	3558.8	3574.5	3572.0	3574.5	3558.8	3549.4	3486.4	3420.1	3278.2	3160.4
-32.5°	3576.3	3579.8	3583.0	3577.6	3583.0	3579.8	3576.3	3517.3	3433.6	3329.7	3225.9
-35°	3565.6	3575.9	3583.9	3587.8	3583.9	3575.9	3565.6	3511.8	3413.2	3306.2	3200.6
-37.5°	3499.7	3513.8	3520.7	3514.3	3520.7	3513.8	3499.7	3455.0	3342.7	3226.0	3087.8
-40°	3378.7	3388.9	3389.6	3384.2	3389.6	3388.9	3378.7	3347.9	3219.7	3075.6	2867.6
-42.5°	3238.4	3274.1	3291.0	3291.5	3291.0	3274.1	3238.4	3183.5	3003.5	2766.2	2427.7
-45°	2909.0	3058.1	3146.6	3168.2	3146.6	3058.1	2909.0	2716.8	2413.6	2062.9	1709.6
-47.5°	1985.8	2133.9	2230.3	2266.7	2230.3	2133.9	1985.8	1811.2	1592.7	1353.7	1127.8
-50°	1208.8	1226.7	1234.6	1232.9	1234.6	1226.7	1208.8	1191.0	1166.5	1129.8	1093.7
-52.5°	1185.3	1199.5	1208.3	1212.5	1208.3	1199.5	1185.3	1170.9	1152.2	1114.6	1076.0
-55°	1138.2	1156.0	1165.1	1167.3	1165.1	1156.0	1138.2	1116.6	1090.3	1039.0	986.7
-57.5°	998.0	1013.5	1022.4	1025.9	1022.4	1013.5	998.0	978.7	955.7	912.0	864.2
-60°	847.2	860.1	865.8	866.4	865.8	860.1	847.2	830.3	809.4	773.9	733.5
-62.5°	695.1	708.0	712.3	711.5	712.3	708.0	695.1	678.7	659.0	630.7	597.1
-65°	541.9	553.1	555.3	553.1	555.3	553.1	541.9	527.9	511.0	488.6	461.4
-67.5°	396.5	405.2	407.8	407.2	407.8	405.2	396.5	385.5	372.5	355.9	335.9
-70°	264.2	269.8	269.6	266.9	269.6	269.8	264.2	256.6	247.1	235.1	220.5
-72.5°	148.3	152.6	156.0	158.4	156.0	152.6	148.3	143.0	136.7	129.5	121.4
-75°	69.1	70.4	72.1	73.5	72.1	70.4	69.1	67.3	65.1	62.4	59.2
-77.5°	34.4	34.9	35.6	36.2	35.6	34.9	34.4	33.8	33.1	32.3	31.5
-80°	25.5	25.9	26.0	26.0	26.0	25.9	25.5	25.1	24.6	24.1	23.8
-82.5°	19.1	19.1	19.2	19.2	19.2	19.1	19.1	18.9	18.8	18.6	18.2
-85°	13.6	13.6	14.1	14.7	14.1	13.6	13.6	13.5	13.5	13.4	13.4
-87.5°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	9.6	9.3	9.0	9.0	9.0	9.0	9.0	8.7	8.5	8.2	7.9
87.5°	0.5	0.8	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.3	1.3
80°	1.1	1.1	1.1	1.3	1.4	1.4	1.5	1.6	1.8	2.0	2.1
77.5°	1.1	1.1	1.2	1.6	2.0	2.3	2.5	2.6	2.7	2.8	2.9
75°	2.2	2.2	2.3	2.8	3.1	3.2	3.3	3.2	3.2	3.3	3.4
72.5°	4.6	4.7	5.1	5.9	6.4	6.8	6.9	6.4	5.6	4.3	3.4
70°	6.6	7.2	8.4	10.1	11.4	12.1	12.5	12.2	11.1	9.8	7.5
67.5°	7.6	8.6	10.5	12.8	14.6	16.2	18.0	19.8	20.0	18.7	13.5
65°	7.3	8.4	10.0	11.7	13.8	16.6	20.8	23.4	25.0	25.7	21.2
62.5°	5.9	6.7	7.7	9.1	10.9	13.9	19.1	23.6	27.4	28.2	23.8
60°	5.0	5.8	6.4	7.2	8.2	10.6	15.6	21.3	27.9	27.2	24.4
57.5°	4.3	4.9	5.7	6.3	6.7	8.5	11.9	16.6	22.7	23.3	22.4
55°	4.5	4.8	5.3	6.0	6.8	7.5	8.9	11.8	16.1	17.4	17.7
52.5°	5.6	5.4	5.4	5.5	6.2	7.0	7.6	9.2	10.6	12.5	13.5
50°	5.7	5.9	5.9	5.7	6.3	6.8	7.4	7.9	8.7	9.6	10.3
47.5°	7.9	7.8	7.0	6.7	8.0	7.6	8.0	8.4	8.9	8.6	9.1
45°	16.9	16.5	11.4	11.8	12.8	12.8	10.5	11.2	10.8	10.1	9.0
42.5°	53.1	40.1	35.1	26.0	20.7	20.7	19.5	17.9	16.3	13.5	12.9
40°	89.2	71.3	58.7	48.0	37.4	30.7	32.3	27.4	24.6	20.9	20.7
37.5°	95.2	66.9	77.8	73.7	58.9	55.7	55.7	46.4	34.2	41.4	40.8
35°	116.8	111.4	121.1	118.0	95.1	112.1	101.9	79.7	67.2	74.7	70.1
32.5°	236.1	239.7	226.8	210.0	204.4	201.9	183.0	140.9	134.0	128.7	113.2
30°	450.8	433.7	399.6	378.6	372.3	331.7	292.4	295.4	255.2	197.6	168.9
27.5°	822.9	695.2	644.2	669.8	605.5	523.8	514.1	521.6	420.9	318.9	243.6
25°	1333.9	1148.4	1101.8	1086.0	967.4	852.3	825.7	791.7	675.8	478.9	336.6
22.5°	1972.5	1792.1	1682.6	1618.6	1462.7	1336.0	1221.1	1095.9	978.5	716.9	499.3
20°	2667.2	2447.7	2273.5	2141.6	2004.6	1834.3	1661.6	1445.9	1261.8	1013.3	696.6
17.5°	3989.7	3118.5	2782.4	2616.8	2484.2	2321.5	2038.5	1759.2	1542.5	1323.9	914.3
15°	5799.1	4026.5	3282.6	3023.8	2857.6	2595.8	2331.6	2034.2	1818.0	1604.8	1160.8
12.5°	9685.6	5175.8	3726.0	3247.9	3003.2	2783.4	2564.0	2294.8	2035.3	1754.8	1336.5
10°	13314.7	6994.4	4354.5	3469.5	3121.2	2909.0	2689.5	2377.9	2083.9	1834.4	1485.8
7.5°	17589.8	9167.6	4995.2	3643.4	3218.6	2956.2	2688.6	2369.5	2108.2	1888.4	1609.0
5°	20243.4	10650.7	5395.8	3765.3	3285.8	3011.0	2687.2	2325.6	2112.0	1921.2	1706.4
2.5°	21715.3	11446.5	5581.5	3845.5	3329.3	3069.6	2713.2	2304.6	2111.8	1927.7	1736.4
0°	<b>21886.5</b>	<b>11610.6</b>	<b>5559.3</b>	<b>3853.6</b>	<b>3354.8</b>	<b>3121.8</b>	<b>2774.6</b>	<b>2313.1</b>	<b>2107.2</b>	<b>1922.8</b>	<b>1743.0</b>
-2.5°	21486.6	11271.9	5485.2	3821.1	3340.4	3114.3	2876.0	2404.1	2158.2	1944.5	1735.3
-5°	19354.7	10084.7	5121.4	3639.8	3207.3	3007.4	2814.9	2419.1	2159.1	1942.3	1704.3
-7.5°	15832.4	8322.2	4597.0	3411.3	3038.4	2853.2	2658.1	2342.8	2070.2	1866.0	1605.3
-10°	11329.4	6104.1	3927.9	3162.8	2864.5	2690.1	2515.2	2237.3	1972.9	1781.5	1487.9
-12.5°	8242.3	4527.2	3311.7	2886.3	2686.4	2552.0	2405.1	2117.0	1868.5	1690.1	1354.4
-15°	5135.9	3664.9	3029.9	2713.7	2521.3	2422.5	2308.3	2051.7	1848.6	1622.0	1207.1
-17.5°	3940.4	3095.4	2790.6	2591.5	2444.9	2328.2	2218.7	2037.5	1840.5	1565.7	1077.1
-20°	3222.0	2925.1	2690.9	2521.9	2407.2	2306.9	2172.8	2031.9	1811.5	1416.0	951.0



REPORT NUMBER: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3030.7	2870.5	2685.6	2512.1	2379.0	2264.5	2136.7	1994.1	1763.4	1218.3	812.9
-25°	2951.9	2870.6	2730.8	2581.7	2388.0	2218.7	2092.7	1905.3	1521.4	1022.9	685.5
-27.5°	2979.2	2913.7	2827.0	2666.5	2457.5	2208.8	2009.1	1768.1	1245.0	857.6	677.8
-30°	3083.2	2997.8	2891.8	2752.2	2509.0	2240.6	1934.4	1450.1	1023.2	722.7	672.3
-32.5°	3154.6	3022.9	2897.9	2754.4	2530.6	2231.9	1669.3	1148.8	804.4	715.2	672.1
-35°	3099.0	2940.9	2777.9	2635.4	2507.2	1882.9	1311.2	908.1	754.1	707.9	670.7
-37.5°	2931.3	2737.2	2570.3	2379.2	1916.1	1409.9	982.2	807.5	748.8	702.3	646.6
-40°	2658.1	2466.2	2107.8	1717.2	1349.4	977.0	860.9	805.0	751.5	681.0	610.6
-42.5°	2123.6	1797.4	1489.1	1188.6	942.1	904.0	859.6	809.5	740.9	652.0	569.9
-45°	1468.4	1230.4	1003.6	970.8	935.1	899.7	865.1	792.1	706.1	614.8	528.2
-47.5°	1062.8	1031.7	999.8	967.4	933.1	890.6	823.9	750.4	656.7	569.5	493.5
-50°	1056.6	1022.7	991.2	954.0	890.6	827.4	758.6	684.5	599.9	523.5	452.1
-52.5°	1032.8	979.6	926.3	872.1	812.0	746.2	678.6	612.5	541.4	470.3	403.3
-55°	934.0	881.1	828.6	775.7	722.8	662.8	601.9	539.3	475.6	410.7	352.5
-57.5°	814.8	766.7	721.9	677.0	632.4	576.1	516.9	459.5	405.7	350.5	299.5
-60°	692.2	651.4	611.0	568.9	525.7	477.4	426.7	378.3	332.5	291.4	250.3
-62.5°	561.6	524.4	489.9	454.1	416.4	376.1	337.0	303.2	269.4	234.2	195.4
-65°	432.5	401.8	371.5	345.0	318.8	293.1	263.8	232.3	200.1	168.5	136.6
-67.5°	314.8	292.8	272.2	251.8	229.6	206.0	179.1	152.2	130.6	110.5	88.3
-70°	204.4	187.0	169.6	151.9	136.9	123.4	108.3	92.0	75.0	63.0	52.9
-72.5°	112.4	102.7	92.8	82.9	72.1	65.3	58.9	51.6	43.8	35.5	29.5
-75°	55.7	51.8	47.8	43.9	39.4	34.4	31.7	29.8	27.9	26.0	24.1
-77.5°	30.7	29.9	29.0	28.1	27.0	25.8	24.5	23.1	22.0	20.9	19.8
-80°	23.4	22.9	22.3	21.5	20.6	19.7	18.8	18.1	17.4	16.7	16.1
-82.5°	17.7	17.3	16.8	16.4	15.9	15.5	15.1	14.7	14.2	13.6	12.9
-85°	13.3	13.1	13.0	12.8	12.7	12.5	12.4	12.0	11.7	11.4	11.1
-87.5°	10.7	10.4	10.1	10.1	10.0	10.0	10.0	9.9	9.8	9.7	9.5
-90°	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.1	1.1	1.1	1.1





REPORT NUMBER: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV1-S

**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°	1.3	1.5	1.6	1.8	1.9	2.0	2.1	2.3	2.4	2.5	2.5
85°	1.4	1.7	2.0	2.3	2.3	2.3	2.3	2.3	2.5	2.7	2.8
82.5°	1.4	1.7	2.0	2.3	2.5	2.6	2.6	2.6	2.7	2.9	3.1
80°	2.0	2.1	2.2	2.3	2.6	2.9	3.0	3.1	3.0	3.1	3.2
77.5°	2.7	2.5	2.3	2.4	2.6	2.9	3.2	3.4	3.3	3.2	3.3
75°	3.4	3.2	3.0	2.8	2.8	2.9	3.2	3.4	3.4	3.4	3.4
72.5°	3.4	3.4	3.4	3.4	3.2	3.2	3.3	3.4	3.4	3.4	3.4
70°	5.3	3.7	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
67.5°	8.6	6.1	4.4	3.5	3.4	3.4	3.4	3.5	3.6	3.4	3.4
65°	15.1	9.8	5.6	4.6	3.8	3.4	3.4	3.6	3.8	3.6	3.4
62.5°	19.5	14.6	9.7	6.3	4.6	3.9	3.4	3.7	3.9	3.9	3.6
60°	21.5	17.0	13.4	9.7	6.3	4.4	3.9	3.7	4.0	4.2	3.9
57.5°	19.9	18.2	15.5	12.4	8.9	5.7	4.4	4.1	4.0	4.3	4.2
55°	16.9	15.9	16.6	14.3	11.0	7.6	5.3	4.5	4.2	4.3	4.5
52.5°	13.4	14.3	15.8	15.5	12.8	9.4	6.9	5.0	4.6	4.4	4.6
50°	10.7	12.8	15.1	15.8	14.3	11.2	8.3	6.1	5.0	4.5	4.7
47.5°	9.8	11.9	14.0	16.2	15.4	12.9	9.8	7.2	5.5	4.9	4.7
45°	10.8	11.7	13.4	15.3	16.7	14.2	11.3	8.1	6.2	5.3	4.8
42.5°	13.3	13.5	13.5	14.6	16.4	15.4	12.7	9.4	6.9	5.8	5.0
40°	19.1	17.0	14.8	16.0	16.4	16.5	13.8	10.6	7.5	6.3	5.4
37.5°	26.6	23.1	19.0	20.1	17.8	16.9	14.7	11.8	8.4	6.9	5.8
35°	51.5	31.5	32.4	29.8	23.4	17.7	15.6	12.8	9.8	7.5	6.2
32.5°	83.5	60.7	59.7	46.1	31.1	19.1	16.6	14.1	11.2	8.1	6.7
30°	137.1	126.2	99.4	66.6	42.8	26.1	18.4	15.6	12.6	8.7	7.1
27.5°	221.5	204.1	153.4	103.2	62.5	35.4	21.6	17.2	14.0	9.5	7.6
25°	306.8	284.7	228.5	151.6	84.9	54.9	25.6	19.0	15.3	10.7	8.1
22.5°	392.1	363.2	311.7	207.4	118.8	80.0	35.9	22.1	16.7	11.8	8.5
20°	473.6	441.2	395.3	254.0	160.1	109.9	54.2	25.6	18.1	12.9	8.9
17.5°	568.3	500.6	431.5	303.2	201.1	140.0	75.5	29.3	19.5	13.9	9.3
15°	713.9	536.2	464.2	346.9	236.6	169.8	98.8	33.3	20.8	14.9	9.7
12.5°	846.1	569.4	496.6	385.3	267.1	199.2	123.6	37.5	22.2	15.8	10.0
10°	969.8	600.1	527.9	418.5	293.1	227.9	148.9	41.7	23.9	16.4	10.4
7.5°	1081.9	628.3	557.7	446.6	313.4	246.6	166.0	45.9	25.6	17.0	10.6
5°	1170.2	650.6	582.2	466.6	321.1	253.7	179.4	49.8	27.4	17.5	10.9
2.5°	1199.5	664.8	601.7	482.1	327.2	258.5	190.2	53.4	29.0	17.8	11.1
0°	1205.7	676.4	617.6	493.2	331.4	261.3	197.9	56.6	30.5	18.1	11.3
-2.5°	1199.8	677.7	618.3	502.6	344.4	269.3	204.9	70.5	40.2	23.6	14.0
-5°	1172.4	676.9	615.9	507.4	355.1	275.7	209.2	83.7	49.4	28.8	16.5
-7.5°	1100.0	667.7	607.4	506.8	363.0	280.6	211.2	95.8	58.0	33.7	18.9
-10°	1006.4	652.3	591.5	496.1	368.1	286.6	211.9	106.8	65.8	38.1	21.0
-12.5°	900.6	634.8	575.7	484.0	371.5	293.5	213.9	116.2	72.5	41.8	22.8
-15°	785.1	615.2	561.1	471.5	373.1	298.8	213.8	123.8	78.2	45.5	24.3
-17.5°	666.3	593.5	548.4	459.5	373.3	302.5	211.8	129.5	82.9	49.2	25.9
-20°	643.6	584.4	536.6	448.8	372.1	304.7	208.1	133.3	86.6	51.9	27.6



REPORT NUMBER: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	638.1	587.4	527.4	443.4	370.8	305.3	202.9	134.9	89.3	53.7	28.6
-25°	632.4	590.9	517.5	437.1	369.3	296.3	200.0	134.1	90.8	54.4	28.8
-27.5°	632.9	590.0	504.9	426.6	360.9	286.0	198.5	135.2	91.3	53.9	28.3
-30°	637.0	573.3	490.1	412.9	349.5	268.9	193.8	134.9	90.6	53.1	27.0
-32.5°	632.7	553.9	470.7	398.1	330.7	251.0	184.1	133.1	88.4	51.6	26.2
-35°	604.7	527.6	446.8	379.6	309.1	237.0	173.9	129.8	84.5	48.8	25.2
-37.5°	573.7	496.0	423.3	357.0	287.1	221.2	165.8	121.8	78.9	44.9	23.6
-40°	537.2	464.6	397.4	332.5	267.0	203.7	155.6	111.8	72.9	39.7	21.5
-42.5°	499.2	434.3	369.8	307.6	246.0	190.1	143.3	100.3	64.6	35.5	18.7
-45°	464.3	401.5	339.5	281.1	224.0	174.2	128.7	87.6	55.1	31.7	16.6
-47.5°	426.7	365.6	307.7	252.5	203.4	156.0	112.3	75.6	44.7	27.0	15.9
-50°	384.5	328.0	274.6	225.3	179.7	135.4	94.9	62.4	38.2	21.4	15.1
-52.5°	342.9	289.9	242.0	197.4	153.9	112.9	78.6	48.7	31.2	18.8	14.2
-55°	298.9	252.6	209.5	166.7	126.0	91.8	60.9	39.9	23.6	17.5	13.2
-57.5°	255.9	214.9	173.2	133.3	99.3	69.8	47.2	30.5	20.4	16.0	12.9
-60°	210.7	171.3	133.8	101.8	73.1	51.3	35.7	23.1	18.5	14.6	12.5
-62.5°	158.9	126.1	98.1	70.8	51.7	37.3	25.3	20.6	16.4	13.9	12.0
-65°	111.0	86.1	63.0	48.9	35.5	25.7	22.1	18.0	15.3	13.3	11.4
-67.5°	66.6	54.6	42.5	30.3	25.3	22.1	18.8	16.4	14.4	12.5	10.9
-70°	42.5	32.0	26.9	24.2	21.3	18.7	17.1	15.3	13.5	11.8	10.2
-72.5°	27.2	24.8	22.4	20.0	18.4	16.9	15.5	14.1	12.5	10.9	9.6
-75°	22.1	20.4	19.0	17.6	16.3	15.1	14.0	12.8	11.4	10.1	9.0
-77.5°	18.5	17.3	16.2	15.2	14.3	13.4	12.5	11.5	10.4	9.4	8.4
-80°	15.4	14.6	14.0	13.3	12.6	11.8	11.1	10.5	9.6	8.7	7.7
-82.5°	12.5	12.2	11.8	11.4	10.9	10.4	10.0	9.6	8.7	7.9	7.2
-85°	10.8	10.4	10.0	9.5	9.2	9.0	8.8	8.6	8.0	7.4	6.8
-87.5°	9.2	8.8	8.4	8.1	8.0	7.9	7.8	7.7	7.3	6.8	6.4
-90°	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.3	2.3	2.3	2.3



REPORT NUMBER: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.7	5.4	5.1	4.8	4.5	4.0	3.4
87.5°	2.6	2.8	2.9	3.2	3.4	3.4	3.4
85°	2.9	2.9	3.0	3.2	3.4	3.4	3.4
82.5°	3.2	3.1	3.1	3.2	3.4	3.5	3.4
80°	3.4	3.3	3.2	3.3	3.4	3.5	3.4
77.5°	3.4	3.4	3.3	3.3	3.4	3.5	3.4
75°	3.4	3.5	3.4	3.3	3.4	3.5	3.4
72.5°	3.5	3.6	3.5	3.4	3.4	3.6	3.4
70°	3.5	3.6	3.6	3.4	3.4	3.6	3.4
67.5°	3.5	3.7	3.7	3.5	3.5	3.6	3.4
65°	3.5	3.8	3.8	3.6	3.5	3.7	3.4
62.5°	3.6	3.8	4.0	3.8	3.5	3.7	3.4
60°	3.6	3.9	4.1	3.9	3.5	3.7	3.4
57.5°	3.9	3.9	4.1	4.0	3.6	3.7	3.4
55°	4.2	3.9	4.1	4.1	3.7	3.8	3.4
52.5°	4.4	4.0	4.2	4.2	3.8	3.8	3.4
50°	4.7	4.2	4.2	4.3	3.9	3.8	3.4
47.5°	5.0	4.4	4.2	4.4	4.0	3.9	3.4
45°	5.0	4.7	4.3	4.5	4.0	3.9	3.4
42.5°	5.1	4.9	4.3	4.5	4.1	3.9	3.4
40°	5.1	5.1	4.4	4.5	4.2	4.0	3.4
37.5°	5.2	5.3	4.6	4.5	4.2	4.0	3.4
35°	5.3	5.4	4.7	4.6	4.3	4.0	3.4
32.5°	5.4	5.5	4.9	4.6	4.3	4.1	3.4
30°	5.7	5.5	5.0	4.7	4.4	4.1	3.4
27.5°	6.1	5.6	5.2	4.7	4.4	4.2	3.4
25°	6.4	5.7	5.3	4.8	4.4	4.2	3.4
22.5°	6.7	5.7	5.4	4.9	4.4	4.2	3.4
20°	7.0	5.8	5.5	5.0	4.5	4.3	3.4
17.5°	7.4	5.9	5.6	5.1	4.5	4.3	3.4
15°	7.7	6.0	5.6	5.2	4.5	4.3	3.4
12.5°	7.9	6.1	5.6	5.3	4.5	4.4	3.4
10°	8.2	6.3	5.7	5.3	4.5	4.4	3.4
7.5°	8.4	6.4	5.7	5.4	4.5	4.4	3.4
5°	8.7	6.5	5.7	5.5	4.5	4.4	3.4
2.5°	8.8	6.7	5.7	5.6	4.5	4.5	3.4
0°	9.0	6.8	5.7	5.7	4.5	4.5	3.4
-2.5°	9.9	7.2	5.9	5.8	4.6	4.5	3.4
-5°	10.7	7.5	6.1	5.8	4.6	4.5	3.4
-7.5°	11.5	7.9	6.3	5.9	4.7	4.6	3.4
-10°	12.2	8.2	6.4	5.9	4.7	4.6	3.4
-12.5°	12.9	8.5	6.6	6.0	4.8	4.6	3.4
-15°	13.4	8.7	6.8	6.0	4.8	4.6	3.4
-17.5°	13.8	8.9	6.9	6.0	4.9	4.6	3.4
-20°	14.2	9.1	7.0	6.1	4.9	4.6	3.4



REPORT NUMBER: P701415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.7	9.2	7.1	6.1	5.0	4.6	3.4
-25°	15.0	9.4	7.2	6.1	5.0	4.6	3.4
-27.5°	14.9	9.5	7.3	6.1	5.1	4.7	3.4
-30°	14.4	9.5	7.3	6.1	5.1	4.6	3.4
-32.5°	13.6	9.5	7.4	6.1	5.1	4.6	3.4
-35°	13.2	9.4	7.5	6.0	5.2	4.6	3.4
-37.5°	13.1	9.4	7.5	6.0	5.2	4.6	3.4
-40°	12.8	9.4	7.5	6.0	5.3	4.6	3.4
-42.5°	12.5	9.4	7.5	6.0	5.3	4.6	3.4
-45°	12.1	9.4	7.5	5.9	5.3	4.6	3.4
-47.5°	11.5	9.3	7.5	5.9	5.4	4.6	3.4
-50°	11.3	9.2	7.4	5.9	5.4	4.6	3.4
-52.5°	11.2	9.1	7.3	6.0	5.5	4.5	3.4
-55°	10.9	8.9	7.2	6.0	5.5	4.5	3.4
-57.5°	10.7	8.7	7.1	6.0	5.5	4.5	3.4
-60°	10.4	8.5	6.9	6.0	5.5	4.4	3.4
-62.5°	10.0	8.3	6.8	6.0	5.5	4.4	3.4
-65°	9.6	8.0	6.8	6.0	5.4	4.4	3.4
-67.5°	9.2	7.7	6.7	6.0	5.3	4.3	3.4
-70°	8.8	7.5	6.5	5.9	5.2	4.3	3.4
-72.5°	8.3	7.2	6.4	5.8	5.2	4.3	3.4
-75°	7.9	6.9	6.2	5.7	5.1	4.2	3.4
-77.5°	7.4	6.6	6.1	5.5	5.0	4.2	3.4
-80°	6.8	6.3	5.9	5.4	4.9	4.1	3.4
-82.5°	6.5	6.1	5.7	5.3	4.8	4.1	3.4
-85°	6.3	5.9	5.5	5.1	4.7	4.0	3.4
-87.5°	6.0	5.6	5.3	5.0	4.6	4.0	3.4
-90°	2.3	2.6	2.9	3.1	3.4	3.4	3.4

(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

