

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: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-80-3S-CV2-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0320L-40-80-3S-CV2-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

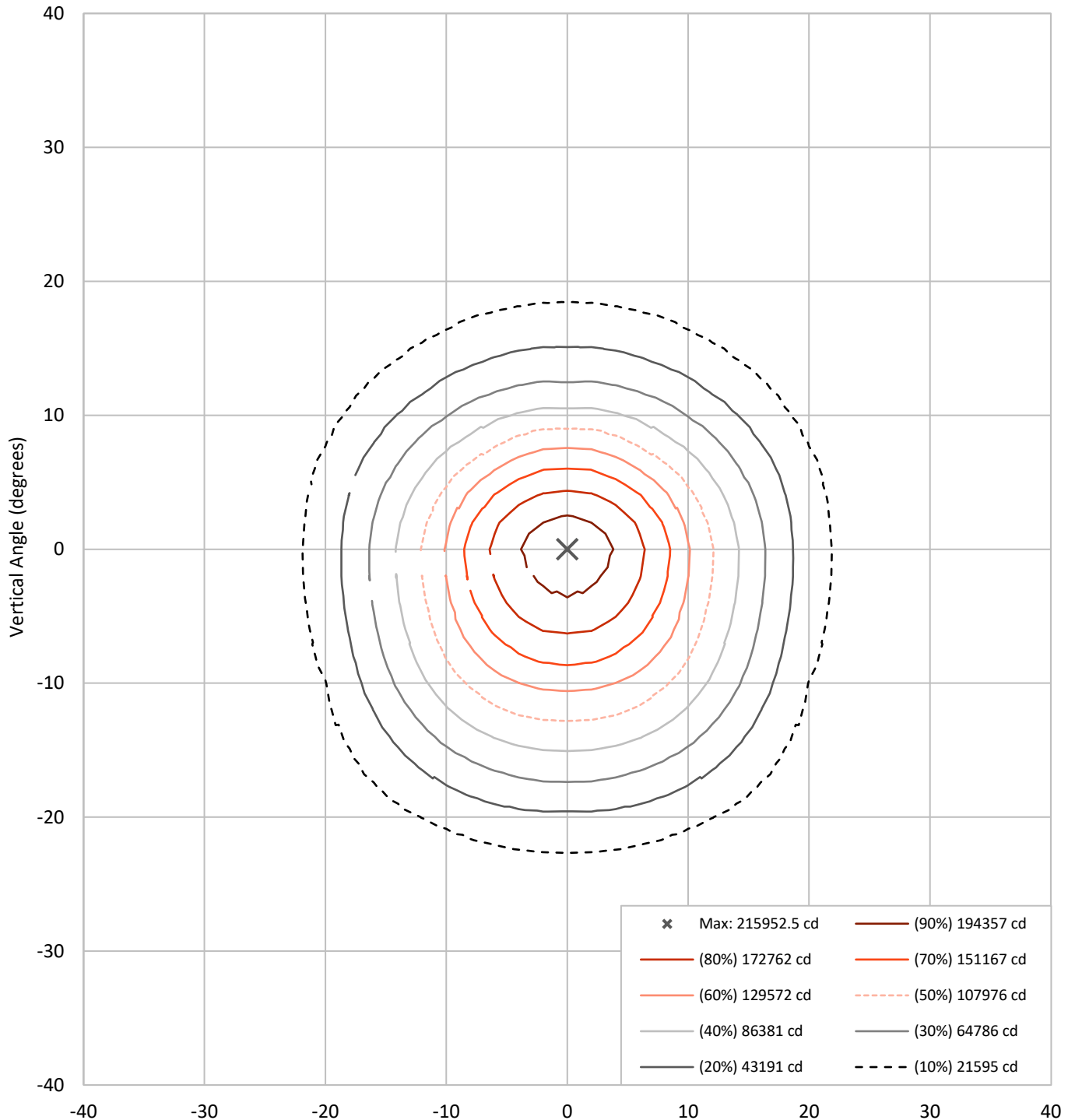
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	42626.4 lumens	Max Intensity:	215952.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	123.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.2°H x 21.8°V	Field Angle (10%):	43.8°H x 40.9°V
Beam Lumens:	19314.6 lumens	Field Lumens:	36551.4 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%

Input Watts (W): 344.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV2-S

### Iso-Candela Plot





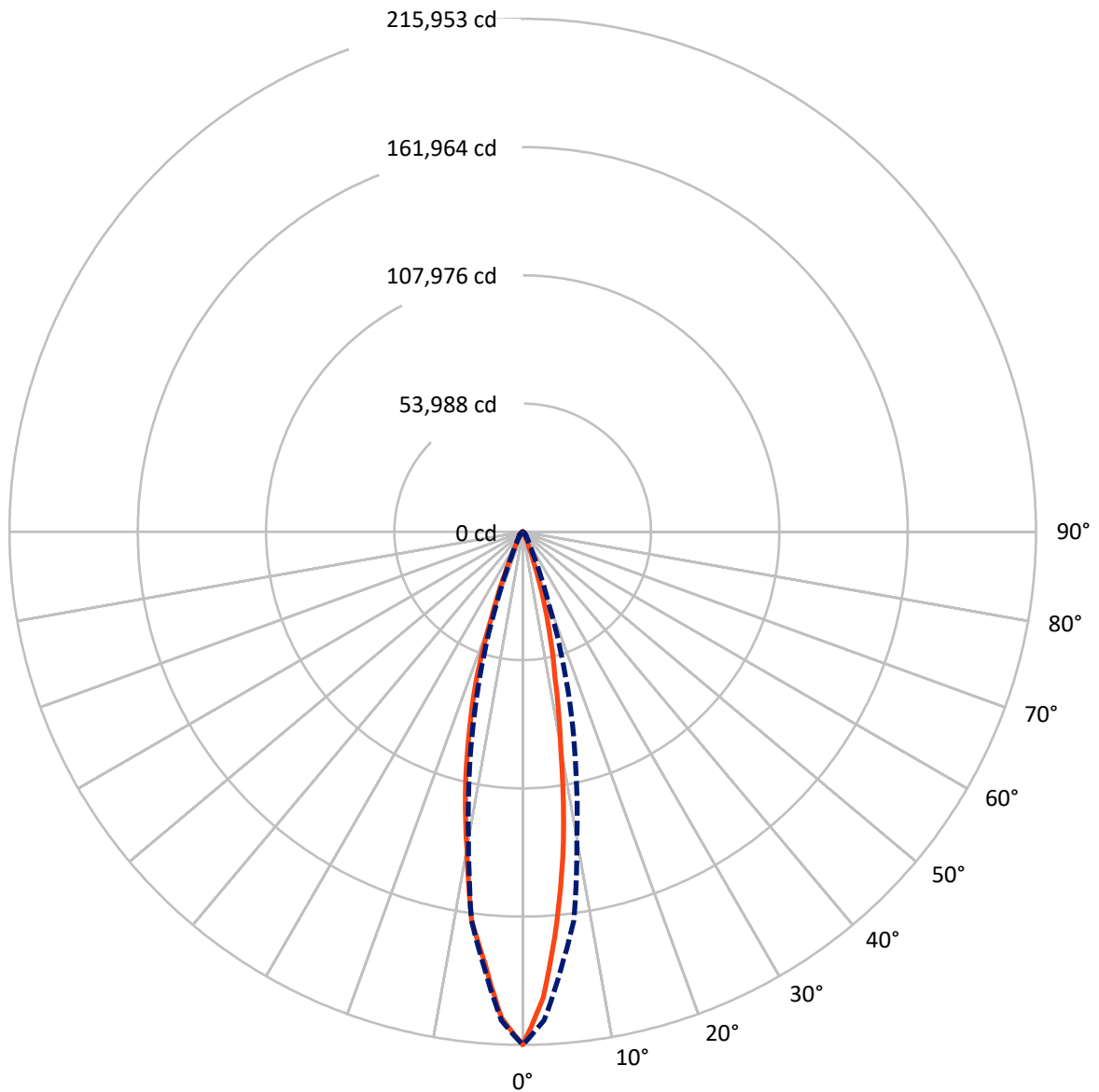
REPORT NUMBER: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV2-S

### Lumen Table

90	0.1		0.3		0.4		0.4		0.3		0.4		0.4		0.3		0.1	
80	0.1		0.3		0.4		0.4		0.3		0.4		0.4		0.3		0.1	
70	0.1	0.1	0.1	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.1	0.1	0.1		
60		0.1	0.2	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.2	0.1			
50	0.1	0.1	0.3	0.3	0.4	0.5	0.7	0.8	0.8	0.7	0.5	0.4	0.3	0.3	0.1	0.1		
40		0.1	0.5	1.2	2.3	3.6	4.5	5.5	5.5	4.5	3.6	2.3	1.2	0.5	0.1			
30	0.2	0.3	1.8	5.6	14.8	25.5	58.6	122.4	122.4	58.6	25.5	14.8	5.6	1.8	0.3	0.2		
20		0.6	4.2	15.1	37.3	102.3	537.9	1263.0	1263.0	537.9	102.3	37.3	15.1	4.2	0.6			
10	0.2	1.1	7.4	28.3	68.4	308.1	1856.7	4247.5	4247.5	1856.7	308.1	68.4	28.3	7.4	1.1	0.2		
0		1.9	9.8	34.2	78.4	332.5	2142.7	4828.6	4828.6	2142.7	332.5	78.4	34.2	9.8	1.9			
-10	0.4	2.2	10.0	32.5	72.0	193.8	1095.6	2398.8	2398.8	1095.6	193.8	72.0	32.5	10.0	2.2	0.4		
-20		2.1	8.3	21.3	49.6	87.4	200.9	409.3	409.3	200.9	87.4	49.6	21.3	8.3	2.1			
-30	0.3	1.8	6.0	13.0	28.8	51.4	71.2	86.1	86.1	71.2	51.4	28.8	13.0	6.0	1.8	0.3		
-40		1.2	4.2	9.1	16.5	28.4	46.1	60.0	60.0	46.1	28.4	16.5	9.1	4.2	1.2			
-50	0.2	0.6	2.6	6.0	10.8	16.2	21.1	24.3	24.3	21.1	16.2	10.8	6.0	2.6	0.6	0.2		
-60		0.2	1.0	3.1	6.1	9.7	13.4	15.6	15.6	13.4	9.7	6.1	3.1	1.0	0.2			
-70	0.1	0.6	2.1	5.9	8.4	5.9	2.1	0.6	0.1									
-80		0.1	0.6	2.1	5.9	8.4	5.9	2.1										
-90	0.1		0.6		2.1		5.9		8.4		5.9		2.1		0.6		0.1	

REPORT NUMBER: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV2-S

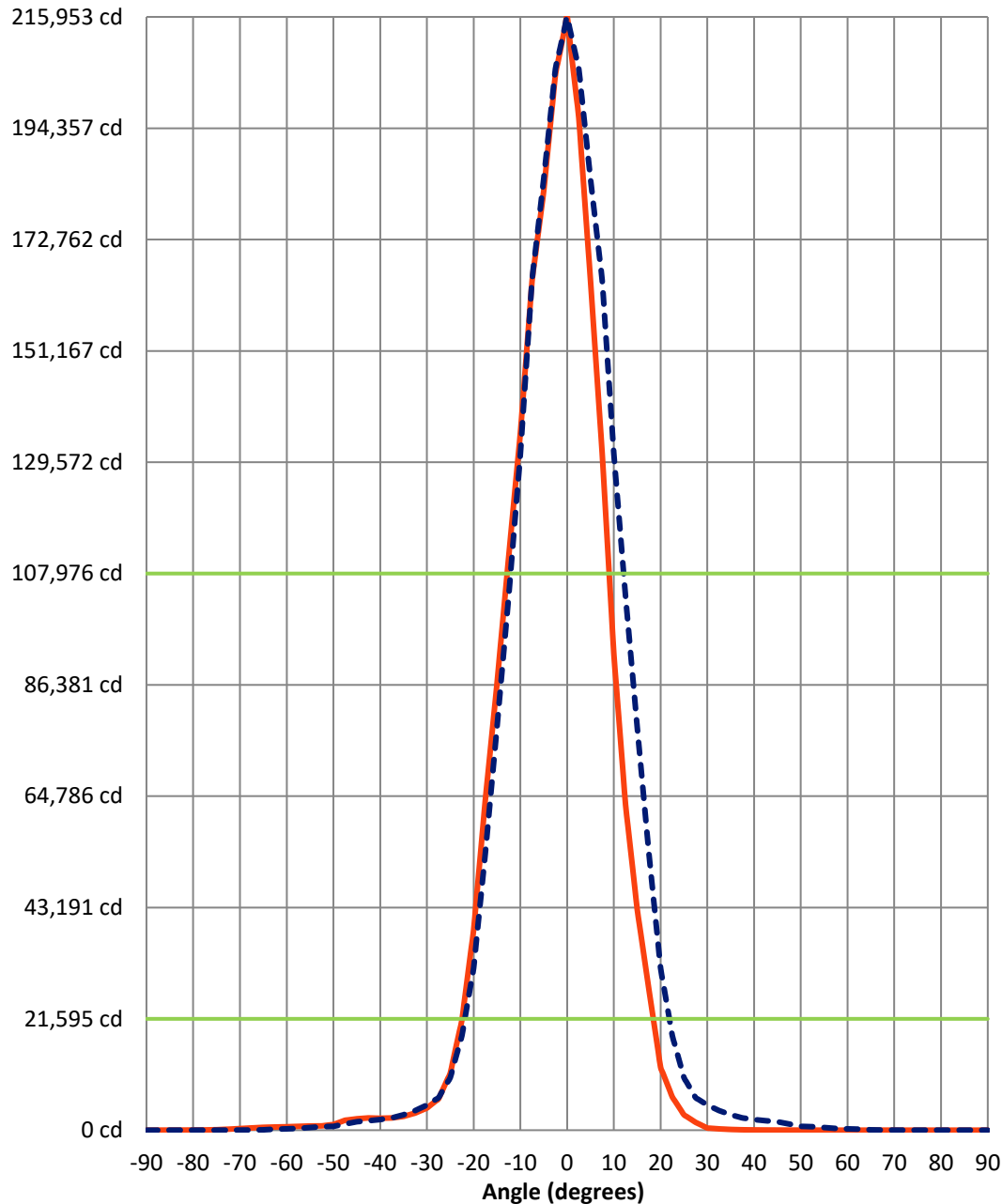
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV2-S

### Luminous Intensity Plot



**Beam:**  
 H Angle: 24.2°  
 V Angle: 21.8°  
 Lumens: 19314.6  
 Efficiency: 45.3%

**Field:**  
 H Angle: 43.8°  
 V Angle: 40.9°  
 Lumens: 36551.4  
 Efficiency: 85.7%

**Spill:**  
 Lumens: 6075.1  
 Efficiency: 14.3%

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



REPORT NUMBER: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV2-S

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.9	6.2	6.4	6.7
87.5°	5.6	5.6	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.6	5.6
85°	5.6	5.6	5.8	5.8	5.8	5.7	5.6	5.6	5.6	5.6	5.6
82.5°	5.6	5.7	5.9	5.9	5.9	5.8	5.6	5.6	5.6	5.6	5.6
80°	5.6	5.7	6.0	6.0	6.0	5.9	5.7	5.8	5.8	5.8	5.6
77.5°	5.6	5.7	6.1	6.1	6.1	6.0	5.9	6.0	6.0	5.9	5.7
75°	5.6	5.7	6.1	6.3	6.2	6.1	6.2	6.3	6.2	6.0	5.7
72.5°	5.6	5.8	6.2	6.4	6.3	6.3	6.5	6.5	6.2	6.0	5.7
70°	5.6	5.8	6.3	6.5	6.4	6.5	6.7	6.5	6.3	6.0	5.7
67.5°	5.6	5.8	6.4	6.5	6.5	6.6	6.7	6.6	6.3	6.0	5.8
65°	5.6	5.8	6.4	6.6	6.6	6.7	6.7	6.6	6.3	6.1	5.9
62.5°	5.6	5.8	6.5	6.6	6.6	6.7	6.7	6.6	6.4	6.2	6.3
60°	5.6	5.8	6.6	6.6	6.7	6.7	6.7	6.7	6.4	6.4	6.6
57.5°	5.6	5.8	6.5	6.6	6.7	6.7	6.7	6.7	6.5	6.6	6.7
55°	5.6	5.9	6.5	6.7	6.7	6.7	6.7	6.7	6.6	6.7	6.7
52.5°	5.6	5.9	6.5	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
50°	5.6	5.9	6.5	6.7	6.7	6.7	6.7	6.8	6.7	6.7	7.2
47.5°	5.6	5.9	6.5	6.7	6.7	6.7	6.7	6.8	6.7	6.7	7.7
45°	5.6	5.9	6.5	6.7	6.7	6.7	6.8	6.9	6.8	7.0	8.1
42.5°	5.6	5.9	6.5	6.7	6.7	6.7	6.9	7.0	6.8	7.3	8.5
40°	5.6	5.9	6.5	6.7	6.7	6.7	7.0	7.1	7.0	7.6	8.8
37.5°	5.6	5.9	6.5	6.7	6.7	6.7	7.2	7.2	7.3	8.0	9.0
35°	5.6	5.9	6.5	6.7	6.7	6.8	7.3	7.2	7.6	8.4	9.0
32.5°	5.6	5.8	6.5	6.7	6.7	6.9	7.4	7.3	7.9	8.9	9.8
30°	5.6	5.8	6.6	6.7	6.7	7.0	7.5	7.4	8.2	9.5	10.8
27.5°	5.6	5.8	6.6	6.7	6.7	7.1	7.6	7.6	8.5	10.2	12.0
25°	5.6	5.8	6.6	6.7	6.7	7.3	7.6	7.9	9.0	11.0	13.5
22.5°	5.6	5.8	6.6	6.7	6.7	7.4	7.7	8.1	9.6	12.1	16.5
20°	5.6	5.8	6.6	6.7	6.7	7.5	7.8	8.3	10.1	13.3	19.4
17.5°	5.6	5.8	6.6	6.7	6.7	7.5	7.9	8.5	10.6	14.6	22.1
15°	5.6	5.7	6.6	6.7	6.7	7.6	8.0	8.7	11.2	15.9	24.7
12.5°	5.6	5.7	6.7	6.7	6.7	7.7	8.1	9.0	12.1	17.3	27.2
10°	5.6	5.7	6.7	6.7	6.7	7.7	8.3	9.2	13.4	20.0	31.5
7.5°	5.6	5.7	6.7	6.7	6.7	7.8	8.4	9.4	14.8	22.8	40.4
5°	5.6	5.6	6.7	6.7	6.7	7.8	8.6	9.6	16.2	25.7	49.7
2.5°	5.6	5.6	6.7	6.7	6.7	7.8	8.7	9.8	17.6	28.5	58.9
0°	5.6	5.6	6.7	6.7	6.7	7.8	8.9	10.0	18.9	31.1	67.8
-2.5°	5.6	5.6	6.7	6.7	6.7	7.8	9.8	13.3	25.1	41.3	82.4
-5°	5.6	5.6	6.7	6.7	6.7	7.8	10.6	16.5	31.0	51.1	96.1
-7.5°	5.6	5.6	6.7	6.7	6.7	7.8	11.4	19.5	36.5	60.3	108.5
-10°	5.6	5.6	6.7	6.7	6.7	7.7	12.0	22.1	41.5	68.7	119.4
-12.5°	5.6	5.6	6.6	6.7	6.7	7.7	12.5	24.4	45.8	76.0	127.0
-15°	5.6	5.6	6.6	6.7	6.7	7.6	12.9	26.1	49.7	81.9	132.4
-17.5°	5.6	5.6	6.6	6.7	6.7	7.5	13.0	27.8	53.2	86.8	136.2
-20°	5.6	5.6	6.6	6.7	6.7	7.5	13.2	29.2	55.7	90.8	138.4



REPORT NUMBER: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.6	5.6	6.5	6.7	6.7	7.4	13.6	29.9	57.3	93.6	138.9
-25°	5.6	5.6	6.5	6.7	6.7	7.5	13.6	29.9	57.7	95.3	137.7
-27.5°	5.6	5.6	6.5	6.7	6.7	7.7	13.2	29.2	57.0	95.8	139.0
-30°	5.6	5.6	6.4	6.7	6.7	7.7	12.5	27.6	55.8	94.8	138.9
-32.5°	5.6	5.6	6.4	6.7	6.8	7.7	11.2	26.4	53.9	92.2	137.3
-35°	5.6	5.6	6.3	6.7	6.9	7.6	10.8	25.0	50.8	88.0	134.2
-37.5°	5.6	5.6	6.2	6.7	7.0	7.6	10.7	22.9	46.5	82.1	124.2
-40°	5.6	5.6	6.2	6.7	7.0	7.7	10.4	20.1	41.0	75.7	112.8
-42.5°	5.6	5.6	6.1	6.7	7.1	7.7	10.1	16.7	36.2	66.7	100.7
-45°	5.6	5.6	6.1	6.7	7.1	7.8	9.5	14.1	31.5	56.6	88.0
-47.5°	5.6	5.6	6.0	6.8	7.1	7.8	8.9	13.2	25.9	45.8	75.8
-50°	5.6	5.6	5.9	6.7	7.2	7.8	8.8	12.2	19.2	38.2	62.7
-52.5°	5.6	5.6	5.8	6.6	7.2	7.8	8.7	11.0	16.1	30.0	49.3
-55°	5.6	5.6	5.8	6.5	7.2	7.8	8.7	9.8	14.3	21.3	39.3
-57.5°	5.6	5.6	5.7	6.4	7.1	7.7	8.6	9.7	12.4	17.5	28.7
-60°	5.6	5.6	5.6	6.3	7.1	7.7	8.5	9.5	10.7	15.0	20.2
-62.5°	5.6	5.6	5.6	6.2	7.0	7.6	8.3	9.2	10.3	12.3	17.1
-65°	5.6	5.6	5.6	6.1	6.8	7.5	8.1	8.9	9.8	11.2	13.7
-67.5°	5.6	5.6	5.6	6.0	6.6	7.3	7.9	8.6	9.3	10.4	11.9
-70°	5.6	5.6	5.6	5.9	6.5	7.1	7.7	8.3	8.8	9.6	10.8
-72.5°	5.6	5.6	5.6	5.8	6.3	6.9	7.5	7.9	8.4	9.0	9.7
-75°	5.6	5.6	5.6	5.8	6.1	6.7	7.2	7.6	7.8	8.3	8.9
-77.5°	5.6	5.6	5.6	5.8	6.1	6.5	7.0	7.2	7.5	7.7	8.0
-80°	5.6	5.6	5.6	5.7	6.0	6.3	6.7	6.9	7.1	7.3	7.5
-82.5°	5.6	5.6	5.6	5.7	5.9	6.1	6.4	6.6	6.7	6.9	7.0
-85°	5.6	5.6	5.6	5.7	5.8	6.0	6.2	6.4	6.5	6.6	6.7
-87.5°	5.6	5.6	5.6	5.6	5.7	5.8	5.9	6.1	6.3	6.5	6.7
-90°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6





REPORT NUMBER: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6.4	6.2	5.9	5.6	5.6	5.6	5.6	5.6	5.3	5.0	4.7
87.5°	5.3	5.0	4.7	4.4	4.4	4.4	4.4	4.4	4.1	3.9	3.6
85°	5.3	5.0	4.8	4.6	4.6	4.6	4.5	4.4	4.1	3.9	3.6
82.5°	5.4	5.3	5.3	5.3	5.2	5.0	4.7	4.4	4.2	3.9	3.6
80°	5.6	5.6	5.6	5.6	5.4	5.1	4.8	4.5	4.2	3.9	3.6
77.5°	5.6	5.6	5.6	5.6	5.4	5.1	4.8	4.5	4.2	3.9	3.6
75°	5.6	5.6	5.6	5.6	5.4	5.1	4.8	4.8	4.7	4.6	4.5
72.5°	5.6	5.6	5.6	5.6	5.5	5.4	5.4	5.5	5.7	5.8	5.7
70°	5.6	5.6	5.7	5.7	5.6	5.7	6.2	6.8	7.3	7.8	9.3
67.5°	5.7	5.9	6.0	5.9	6.0	6.6	7.3	10.2	13.9	15.5	16.4
65°	6.1	6.3	6.3	6.4	6.7	8.8	12.0	16.3	21.0	22.1	21.9
62.5°	6.6	6.5	6.6	7.2	8.9	11.9	16.4	21.3	26.5	25.5	22.1
60°	6.7	6.7	7.4	9.1	11.3	15.3	20.5	22.9	24.6	24.6	20.2
57.5°	6.7	7.3	8.8	11.1	14.5	17.8	19.0	20.4	21.5	22.2	17.4
55°	7.0	8.2	10.2	13.3	16.0	15.6	16.2	17.1	17.9	16.8	12.5
52.5°	7.7	9.1	11.8	14.6	15.2	14.0	13.1	13.8	13.2	11.4	9.5
50°	8.4	10.3	13.0	14.8	14.5	12.6	10.8	11.1	10.6	9.3	8.1
47.5°	9.1	11.3	14.0	15.2	13.6	12.3	10.8	10.4	9.9	10.3	9.7
45°	9.8	12.1	15.0	14.6	13.7	13.2	12.5	11.0	12.7	13.4	13.2
42.5°	10.3	12.6	14.9	14.4	15.2	15.6	15.3	15.9	17.0	18.5	19.1
40°	10.6	13.0	15.5	17.1	17.5	19.1	21.1	22.8	23.4	25.6	27.1
37.5°	10.8	14.2	17.7	22.0	21.5	24.6	28.1	34.1	35.9	33.7	37.9
35°	10.7	16.1	23.8	29.7	30.5	31.9	40.9	50.0	55.6	50.0	55.1
32.5°	11.9	18.6	31.5	39.9	45.8	47.3	56.2	75.0	84.6	85.9	86.4
30°	14.7	25.8	41.1	52.0	65.5	76.4	85.0	106.6	121.9	160.2	191.0
27.5°	18.3	34.4	52.6	70.1	90.4	110.7	131.0	148.0	197.9	269.7	349.8
25°	21.8	47.0	65.4	92.5	123.4	152.9	180.3	203.5	300.8	448.0	546.4
22.5°	28.6	61.8	83.8	117.4	159.6	198.5	232.3	293.7	429.8	647.6	753.5
20°	39.8	77.6	106.4	147.4	200.2	245.6	285.2	387.9	586.5	790.7	922.1
17.5°	52.0	94.0	131.0	185.1	252.7	302.9	343.5	479.5	738.4	933.6	1067.4
15°	64.9	110.9	155.4	226.1	310.2	372.4	454.9	622.0	872.6	1073.9	1238.0
12.5°	78.1	128.0	179.2	269.4	371.3	442.7	590.7	833.1	1056.7	1232.2	1477.9
10°	91.3	145.0	202.2	313.7	434.5	512.9	740.1	1041.7	1257.8	1438.3	1720.9
7.5°	117.1	169.0	227.0	357.8	498.3	582.5	896.6	1244.8	1446.1	1629.8	1927.5
5°	144.8	199.9	265.5	412.7	561.4	645.2	1042.2	1438.3	1622.7	1807.7	2102.9
2.5°	171.8	229.6	302.6	465.9	620.7	696.2	1129.2	1545.8	1737.3	1945.9	2252.1
0°	196.8	257.9	338.0	514.8	674.9	743.8	1199.7	1636.6	1833.4	2061.4	2382.7
-2.5°	217.0	285.6	371.2	542.5	693.7	770.9	1214.1	1670.0	1883.1	2127.3	2445.4
-5°	233.8	311.4	401.8	565.5	708.3	794.7	1211.2	1681.9	1924.8	2177.2	2502.6
-7.5°	247.0	334.8	429.5	582.0	715.9	806.1	1207.6	1697.8	1970.5	2211.2	2548.8
-10°	254.3	344.4	435.4	579.8	714.1	808.6	1181.2	1688.2	2007.8	2235.9	2563.3
-12.5°	246.7	341.4	433.9	572.4	709.0	808.2	1123.8	1651.6	2037.5	2252.8	2535.9
-15°	237.7	336.3	427.9	560.0	701.3	804.8	1032.4	1586.6	2022.6	2191.2	2455.5
-17.5°	228.0	329.4	417.2	542.6	691.1	798.5	898.4	1421.9	1869.7	2085.8	2368.6
-20°	217.9	320.4	401.3	520.0	676.6	767.8	835.3	1213.6	1651.3	1955.9	2216.5



REPORT NUMBER: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	207.9	309.6	384.3	499.2	624.4	717.0	788.7	1001.1	1425.0	1795.1	1989.5
-25°	202.6	293.8	370.2	460.9	568.7	664.9	734.7	810.2	1188.6	1544.2	1788.9
-27.5°	200.1	279.5	349.1	422.6	515.9	609.8	676.3	747.6	955.5	1291.5	1584.9
-30°	195.5	260.0	327.2	388.2	471.1	552.3	617.6	691.1	774.8	1046.1	1317.1
-32.5°	184.5	240.2	304.3	362.9	429.1	500.2	572.5	644.4	716.0	814.8	1063.1
-35°	171.7	223.6	281.3	337.0	389.6	457.9	530.1	600.9	661.7	724.8	862.3
-37.5°	161.4	205.7	258.7	311.4	361.0	419.4	486.0	554.7	616.8	673.8	752.2
-40°	150.0	186.6	237.3	287.1	333.8	384.0	443.4	505.4	569.5	636.1	697.3
-42.5°	137.5	172.8	215.0	263.2	307.0	353.2	400.7	458.1	521.1	591.4	654.9
-45°	123.3	158.1	192.8	237.1	279.2	321.6	366.1	411.6	473.4	536.6	603.0
-47.5°	108.2	142.2	175.6	210.9	251.0	289.8	330.5	376.9	425.6	483.2	542.0
-50°	92.7	124.9	157.3	189.3	223.6	258.7	294.7	341.6	387.8	433.0	483.4
-52.5°	77.1	106.8	137.7	168.5	199.0	230.6	265.0	306.3	349.9	392.2	434.1
-55°	60.7	88.3	117.2	146.4	175.5	204.3	237.7	274.3	312.1	352.4	391.3
-57.5°	46.7	68.8	95.5	123.3	150.8	178.8	211.6	243.2	277.5	313.1	348.0
-60°	34.0	51.0	72.4	98.2	125.0	152.5	184.8	216.2	245.5	274.0	306.8
-62.5°	22.4	35.7	51.8	71.2	95.6	123.2	152.2	183.1	216.3	242.3	267.9
-65°	18.4	22.7	33.8	48.9	65.0	88.5	114.9	143.5	172.3	198.2	225.5
-67.5°	14.2	18.3	22.2	28.0	41.9	57.4	74.0	97.6	122.7	144.4	166.5
-70°	12.4	14.3	17.5	20.9	24.2	30.6	44.2	58.8	73.1	87.1	105.1
-72.5°	11.0	12.6	14.3	16.2	19.0	22.0	25.1	28.4	36.6	47.3	57.3
-75°	9.8	10.8	12.3	13.8	15.3	16.7	18.4	21.1	23.7	26.2	28.5
-77.5°	8.7	9.6	10.5	11.6	12.5	13.7	14.9	16.1	17.3	18.7	20.1
-80°	7.8	8.3	9.0	9.8	10.3	10.8	11.5	12.3	13.0	13.7	14.5
-82.5°	7.2	7.5	7.9	8.3	8.3	8.3	8.2	8.5	8.9	9.4	9.9
-85°	6.7	6.7	6.8	7.0	7.1	7.2	7.2	7.2	7.1	7.0	7.0
-87.5°	6.6	6.4	6.3	6.2	6.3	6.3	6.3	6.4	6.1	5.9	5.6
-90°	5.3	5.0	4.7	4.4	4.4	4.4	4.4	4.4	4.1	3.9	3.6



REPORT NUMBER: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.4	4.4	4.4	4.4	4.4	4.7	5.0	5.3	5.6	6.4	7.3
87.5°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	1.1	1.1
85°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	1.1	1.1
82.5°	3.3	3.2	3.1	3.0	3.0	2.8	2.6	2.3	2.1	1.9	1.6
80°	3.3	3.3	3.3	3.3	3.3	3.1	2.8	2.5	2.2	1.9	1.7
77.5°	3.5	3.5	3.5	3.4	3.3	3.1	2.8	2.5	2.2	2.0	1.7
75°	4.4	4.3	4.1	3.8	3.4	3.1	2.8	2.5	2.3	2.2	2.2
72.5°	5.5	5.2	5.0	5.2	5.1	5.0	4.9	4.5	4.1	4.0	4.2
70°	10.2	10.6	10.7	10.2	9.1	8.2	7.4	6.6	5.6	5.4	5.4
67.5°	16.2	15.4	14.5	13.2	11.3	9.7	8.6	7.7	6.8	6.5	6.5
65°	20.2	16.7	14.4	12.5	11.0	9.6	8.6	7.5	6.5	5.9	5.8
62.5°	18.5	14.5	12.0	10.5	9.4	8.6	7.2	6.1	5.3	4.8	5.0
60°	15.9	11.6	9.0	7.8	6.7	5.7	5.1	4.8	4.5	4.4	4.5
57.5°	12.6	8.8	6.6	6.2	5.6	4.8	4.5	4.6	4.6	4.4	4.4
55°	9.2	7.6	6.7	6.4	6.1	5.8	5.5	5.4	5.3	5.2	5.3
52.5°	7.5	7.5	7.6	7.5	7.2	6.9	6.6	6.6	6.7	6.9	7.2
50°	8.3	8.5	8.7	8.6	8.4	8.1	7.7	8.1	8.6	9.0	9.4
47.5°	9.6	10.0	10.6	9.9	10.0	10.6	10.2	10.3	12.0	13.0	13.7
45°	12.2	14.2	14.7	15.1	15.3	16.4	16.9	17.3	20.5	21.9	22.0
42.5°	19.5	21.3	22.9	24.3	24.1	27.7	32.6	35.3	35.2	34.6	35.2
40°	29.5	31.5	36.0	39.5	44.8	49.5	49.8	45.2	45.7	51.0	51.4
37.5°	44.3	50.5	59.5	69.5	72.1	69.1	70.9	74.2	77.7	82.6	88.2
35°	70.6	91.3	95.5	103.1	108.1	103.1	105.1	113.9	114.0	129.7	138.4
32.5°	125.3	157.1	166.8	159.9	173.2	181.3	156.5	187.7	193.6	209.8	229.6
30°	204.3	270.4	290.9	281.3	317.4	328.8	306.9	369.6	406.5	405.8	498.7
27.5°	388.2	421.2	459.6	518.2	525.7	545.3	668.9	764.5	885.9	1000.7	1149.6
25°	593.9	612.6	722.6	795.1	830.8	961.5	1144.7	1294.1	1551.7	1792.1	2292.4
22.5°	783.4	853.4	987.6	1103.5	1233.8	1444.2	1696.9	1974.1	2658.5	3500.5	4557.0
20°	969.3	1061.5	1221.7	1430.3	1638.3	1924.5	2260.4	3138.9	4484.6	6524.2	8728.5
17.5°	1179.2	1267.8	1486.2	1780.8	2097.3	2526.3	3556.6	5235.1	8092.9	12082.9	15932.2
15°	1451.7	1604.1	1845.9	2281.1	2886.8	3897.8	5577.4	9717.6	15423.1	21628.0	28280.3
12.5°	1770.5	2021.8	2415.4	2977.8	3849.9	6238.3	10459.5	17107.7	25633.7	34348.3	45281.8
10°	2079.1	2499.5	3101.8	3987.9	5723.0	9487.3	15776.1	25370.9	38434.6	51908.7	63983.6
7.5°	2350.1	2906.5	3716.8	4958.8	7713.4	13153.8	22200.7	35570.8	51853.9	68504.3	84741.2
5°	2626.9	3288.5	4232.8	5685.9	8927.2	15807.8	27420.1	44908.5	64581.6	84748.3	105940.5
2.5°	2854.1	3609.1	4663.6	6288.7	9644.5	17234.1	30656.9	51412.2	74142.8	97230.7	123600.7
0°	2990.9	3808.1	4876.6	6307.5	10207.8	18357.7	31456.3	53714.3	78179.4	103563.9	131163.2
-2.5°	2995.1	3766.7	4772.7	6247.6	10087.3	18050.5	31512.2	53657.0	77962.2	102409.9	129646.0
-5°	2985.8	3672.2	4617.1	6033.1	9365.7	16448.1	29094.6	50180.5	74120.3	97256.9	122064.3
-7.5°	2971.5	3547.4	4396.0	5689.9	8442.1	14513.9	26310.2	45612.7	68199.8	89750.4	111957.3
-10°	2955.0	3418.2	4192.5	5395.5	7605.6	12213.3	21164.7	38743.6	59463.8	79350.3	97560.5
-12.5°	2940.8	3365.1	4028.5	4989.9	6588.6	10234.4	17868.5	31662.2	48441.5	65233.5	81364.8
-15°	2886.5	3294.8	3894.8	4688.7	5984.8	8534.5	13339.0	22873.6	36651.7	49916.4	62721.8
-17.5°	2775.4	3194.8	3572.3	4190.3	5125.2	6787.9	9935.7	15681.0	24527.7	34896.6	43930.6
-20°	2557.7	2845.1	3158.2	3683.2	4402.7	5278.0	6713.6	9987.3	14193.7	20957.2	25693.8



REPORT NUMBER: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2234.4	2476.2	2739.6	3089.3	3595.3	4213.1	4979.1	6189.4	8384.3	10991.1	13872.3
-25°	1939.4	2113.2	2357.4	2657.8	2928.6	3331.7	3868.5	4338.0	5286.1	6053.0	7637.6
-27.5°	1715.9	1860.4	2081.5	2314.6	2514.4	2730.4	3103.9	3435.8	3897.1	4299.8	4944.0
-30°	1554.3	1702.3	1880.0	2056.7	2246.5	2429.6	2596.8	2848.4	3125.1	3387.8	3728.6
-32.5°	1354.8	1588.3	1717.0	1866.4	2035.2	2195.4	2322.9	2482.0	2634.3	2808.3	2995.2
-35°	1146.3	1401.5	1599.0	1713.8	1839.2	1992.1	2122.8	2231.6	2332.6	2440.6	2539.3
-37.5°	900.9	1182.8	1407.8	1577.6	1692.2	1798.9	1939.0	2043.7	2110.4	2200.0	2267.5
-40°	774.3	887.2	1142.9	1373.7	1521.3	1689.5	1819.9	1930.6	2052.8	2148.2	2203.2
-42.5°	712.5	778.0	846.0	1034.6	1265.6	1467.5	1635.6	1817.8	1981.3	2111.3	2232.2
-45°	664.8	711.3	759.8	822.3	887.0	1076.0	1283.2	1496.3	1687.1	1865.4	2018.4
-47.5°	601.2	655.6	699.9	739.4	779.2	837.2	899.3	985.7	1169.1	1355.0	1532.3
-50°	535.7	585.8	634.6	680.5	717.7	747.0	770.4	808.6	863.8	918.8	972.8
-52.5°	474.0	520.5	564.7	609.2	652.7	691.4	725.6	752.6	774.8	793.7	806.5
-55°	429.8	466.4	500.9	543.3	585.1	624.0	660.0	693.1	723.3	750.8	769.7
-57.5°	383.9	419.8	455.4	491.1	525.7	559.2	592.8	625.5	656.3	684.2	703.0
-60°	338.5	369.1	404.5	441.3	475.8	508.0	539.3	568.7	596.1	619.6	634.7
-62.5°	295.6	324.5	355.1	388.2	423.1	457.2	488.5	518.2	546.4	569.2	583.8
-65°	252.2	276.6	302.7	330.1	358.4	387.4	417.2	447.6	478.1	502.7	518.8
-67.5°	189.5	213.9	239.5	266.3	290.4	312.6	334.0	356.2	378.6	397.2	411.8
-70°	123.3	141.5	159.4	177.7	197.7	218.0	237.4	255.6	272.5	286.0	296.9
-72.5°	66.6	75.4	85.3	99.3	112.7	126.2	139.5	152.1	163.8	172.6	179.5
-75°	30.8	34.9	42.4	49.4	55.8	62.3	68.7	74.5	79.8	83.5	86.4
-77.5°	21.9	23.7	25.5	27.3	29.1	31.6	34.2	36.8	39.4	41.8	44.2
-80°	15.4	16.4	17.4	18.4	19.3	20.7	22.2	23.7	25.2	26.8	28.2
-82.5°	10.3	11.0	11.6	12.3	12.9	13.7	14.5	15.3	16.1	17.3	18.6
-85°	7.0	7.3	7.6	7.9	8.3	8.9	9.6	10.2	10.9	11.8	12.7
-87.5°	5.4	5.4	5.4	5.5	5.5	6.0	6.6	7.2	7.7	8.6	9.4
-90°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.6



REPORT NUMBER: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	8.1	8.9	9.5	10.0	9.5	8.9	8.1	7.3	6.4	5.6	5.3
87.5°	1.1	1.1	0.5	0.0	0.5	1.1	1.1	1.1	1.1	1.1	1.4
85°	1.1	1.1	0.6	0.0	0.6	1.1	1.1	1.1	1.1	1.1	1.4
82.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.6	1.9	2.1	2.3
80°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.5
77.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.2	2.5
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.5
72.5°	4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.2	4.0	4.1	4.5
70°	5.5	5.6	5.6	5.6	5.6	5.6	5.5	5.4	5.4	5.6	6.6
67.5°	6.6	6.7	6.7	6.7	6.7	6.7	6.6	6.5	6.5	6.8	7.7
65°	5.7	5.6	5.6	5.6	5.6	5.6	5.7	5.8	5.9	6.5	7.5
62.5°	5.2	5.5	5.6	5.6	5.6	5.5	5.2	5.0	4.8	5.3	6.1
60°	4.5	4.5	4.4	4.4	4.4	4.5	4.5	4.5	4.4	4.5	4.8
57.5°	4.4	4.4	4.9	5.6	4.9	4.4	4.4	4.4	4.4	4.6	4.6
55°	5.4	5.5	6.0	6.7	6.0	5.5	5.4	5.3	5.2	5.3	5.4
52.5°	7.5	7.7	7.8	7.8	7.8	7.7	7.5	7.2	6.9	6.7	6.6
50°	9.6	9.8	10.0	10.0	10.0	9.8	9.6	9.4	9.0	8.6	8.1
47.5°	14.2	14.3	14.4	14.5	14.4	14.3	14.2	13.7	13.0	12.0	10.3
45°	22.7	23.0	23.1	23.3	23.1	23.0	22.7	22.0	21.9	20.5	17.3
42.5°	36.6	37.2	37.2	36.7	37.2	37.2	36.6	35.2	34.6	35.2	35.3
40°	52.2	52.2	51.7	51.1	51.7	52.2	52.2	51.4	51.0	45.7	45.2
37.5°	90.9	87.6	81.7	78.9	81.7	87.6	90.9	88.2	82.6	77.7	74.2
35°	140.6	142.8	143.3	142.3	143.3	142.8	140.6	138.4	129.7	114.0	113.9
32.5°	235.2	246.4	250.0	256.8	250.0	246.4	235.2	229.6	209.8	193.6	187.7
30°	484.1	480.7	438.5	420.3	438.5	480.7	484.1	498.7	405.8	406.5	369.6
27.5°	1304.1	1454.2	1525.8	1519.9	1525.8	1454.2	1304.1	1149.6	1000.7	885.9	764.5
25°	2685.7	2927.0	3087.0	2982.0	3087.0	2927.0	2685.7	2292.4	1792.1	1551.7	1294.1
22.5°	5541.0	6067.0	6353.7	6456.5	6353.7	6067.0	5541.0	4557.0	3500.5	2658.5	1974.1
20°	11104.1	12097.3	12822.6	12217.0	12822.6	12097.3	11104.1	8728.5	6524.2	4484.6	3138.9
17.5°	20614.7	23704.2	26437.2	27291.3	26437.2	23704.2	20614.7	15932.2	12082.9	8092.9	5235.1
15°	34693.6	39911.1	43012.3	42831.6	43012.3	39911.1	34693.6	28280.3	21628.0	15423.1	9717.6
12.5°	53380.2	59818.8	64114.8	63159.5	64114.8	59818.8	53380.2	45281.8	34348.3	25633.7	17107.7
10°	75833.4	85585.8	92671.8	92345.4	92671.8	85585.8	75833.4	63983.6	51908.7	38434.6	25370.9
7.5°	99112.4	115122.4	129018.4	131356.7	129018.4	115122.4	99112.4	84741.2	68504.3	51853.9	35570.8
5°	129132.6	150234.4	164034.4	164823.2	164034.4	150234.4	129132.6	105940.5	84748.3	64581.6	44908.5
2.5°	153484.0	177691.3	189337.4	196393.5	189337.4	177691.3	153484.0	123600.7	97230.7	74142.8	51412.2
0°	164892.7	184571.8	205864.2	215952.5	205864.2	184571.8	164892.7	131163.2	103563.9	78179.4	53714.3
-2.5°	160212.2	181299.8	194075.4	204767.4	194075.4	181299.8	160212.2	129646.0	102409.9	77962.2	53657.0
-5°	149597.1	170491.5	181209.2	182209.1	181209.2	170491.5	149597.1	122064.3	97256.9	74120.3	50180.5
-7.5°	132267.8	149985.1	161237.6	164738.7	161237.6	149985.1	132267.8	111957.3	89750.4	68199.8	45612.7
-10°	113851.2	126592.9	133865.1	135259.3	133865.1	126592.9	113851.2	97560.5	79350.3	59463.8	38743.6
-12.5°	94704.4	105135.9	110153.9	111250.1	110153.9	105135.9	94704.4	81364.8	65233.5	48441.5	31662.2
-15°	73494.5	81344.0	85862.1	86648.3	85862.1	81344.0	73494.5	62721.8	49916.4	36651.7	22873.6
-17.5°	52459.0	58837.3	63414.1	64022.3	63414.1	58837.3	52459.0	43930.6	34896.6	24527.7	15681.0
-20°	32225.4	36565.3	39242.8	38850.1	39242.8	36565.3	32225.4	25693.8	20957.2	14193.7	9987.3



REPORT NUMBER: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	17349.7	19689.1	20820.6	21405.2	20820.6	19689.1	17349.7	13872.3	10991.1	8384.3	6189.4
-25°	9171.0	10161.8	10670.1	11068.4	10670.1	10161.8	9171.0	7637.6	6053.0	5286.1	4338.0
-27.5°	5456.8	5797.5	5986.7	6090.7	5986.7	5797.5	5456.8	4944.0	4299.8	3897.1	3435.8
-30°	4000.4	4163.7	4249.9	4292.8	4249.9	4163.7	4000.4	3728.6	3387.8	3125.1	2848.4
-32.5°	3145.2	3242.1	3301.7	3323.3	3301.7	3242.1	3145.2	2995.2	2808.3	2634.3	2482.0
-35°	2609.1	2641.5	2653.1	2674.0	2653.1	2641.5	2609.1	2539.3	2440.6	2332.6	2231.6
-37.5°	2318.9	2349.1	2363.8	2376.0	2363.8	2349.1	2318.9	2267.5	2200.0	2110.4	2043.7
-40°	2228.6	2260.6	2293.4	2317.1	2293.4	2260.6	2228.6	2203.2	2148.2	2052.8	1930.6
-42.5°	2285.0	2337.3	2373.2	2378.2	2373.2	2337.3	2285.0	2232.2	2111.3	1981.3	1817.8
-45°	2105.3	2164.9	2197.3	2208.1	2197.3	2164.9	2105.3	2018.4	1865.4	1687.1	1496.3
-47.5°	1689.4	1825.5	1906.8	1924.6	1906.8	1825.5	1689.4	1532.3	1355.0	1169.1	985.7
-50°	1025.3	1073.8	1100.5	1104.1	1100.5	1073.8	1025.3	972.8	918.8	863.8	808.6
-52.5°	816.7	825.3	830.7	833.9	830.7	825.3	816.7	806.5	793.7	774.8	752.6
-55°	786.3	800.8	809.0	812.8	809.0	800.8	786.3	769.7	750.8	723.3	693.1
-57.5°	719.7	734.4	741.0	742.7	741.0	734.4	719.7	703.0	684.2	656.3	625.5
-60°	648.5	661.0	664.9	664.9	664.9	661.0	648.5	634.7	619.6	596.1	568.7
-62.5°	597.8	610.9	617.2	620.4	617.2	610.9	597.8	583.8	569.2	546.4	518.2
-65°	532.8	544.8	549.8	551.5	549.8	544.8	532.8	518.8	502.7	478.1	447.6
-67.5°	424.8	436.1	439.3	439.2	439.3	436.1	424.8	411.8	397.2	378.6	356.2
-70°	306.2	313.7	314.9	313.5	314.9	313.7	306.2	296.9	286.0	272.5	255.6
-72.5°	185.1	189.4	191.1	191.2	191.1	189.4	185.1	179.5	172.6	163.8	152.1
-75°	88.6	90.2	91.5	92.3	91.5	90.2	88.6	86.4	83.5	79.8	74.5
-77.5°	46.4	48.5	49.3	50.0	49.3	48.5	46.4	44.2	41.8	39.4	36.8
-80°	29.6	30.9	31.1	31.1	31.1	30.9	29.6	28.2	26.8	25.2	23.7
-82.5°	19.8	21.0	21.1	21.1	21.1	21.0	19.8	18.6	17.3	16.1	15.3
-85°	13.6	14.5	15.0	15.6	15.0	14.5	13.6	12.7	11.8	10.9	10.2
-87.5°	10.3	11.1	11.1	11.1	11.1	11.1	10.3	9.4	8.6	7.7	7.2
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.4



REPORT NUMBER: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5.0	4.7	4.4	4.4	4.4	4.4	4.4	4.7	5.0	5.3	5.6
87.5°	1.7	1.9	2.2	2.5	2.8	3.0	3.3	3.6	3.9	4.1	4.4
85°	1.7	1.9	2.2	2.5	2.8	3.0	3.3	3.6	3.9	4.1	4.4
82.5°	2.6	2.8	3.0	3.0	3.1	3.2	3.3	3.6	3.9	4.2	4.4
80°	2.8	3.1	3.3	3.3	3.3	3.3	3.3	3.6	3.9	4.2	4.5
77.5°	2.8	3.1	3.3	3.4	3.5	3.5	3.5	3.6	3.9	4.2	4.5
75°	2.8	3.1	3.4	3.8	4.1	4.3	4.4	4.5	4.6	4.7	4.8
72.5°	4.9	5.0	5.1	5.2	5.0	5.2	5.5	5.7	5.8	5.7	5.5
70°	7.4	8.2	9.1	10.2	10.7	10.6	10.2	9.3	7.8	7.3	6.8
67.5°	8.6	9.7	11.3	13.2	14.5	15.4	16.2	16.4	15.5	13.9	10.2
65°	8.6	9.6	11.0	12.5	14.4	16.7	20.2	21.9	22.1	21.0	16.3
62.5°	7.2	8.6	9.4	10.5	12.0	14.5	18.5	22.1	25.5	26.5	21.3
60°	5.1	5.7	6.7	7.8	9.0	11.6	15.9	20.2	24.6	24.6	22.9
57.5°	4.5	4.8	5.6	6.2	6.6	8.8	12.6	17.4	22.2	21.5	20.4
55°	5.5	5.8	6.1	6.4	6.7	7.6	9.2	12.5	16.8	17.9	17.1
52.5°	6.6	6.9	7.2	7.5	7.6	7.5	7.5	9.5	11.4	13.2	13.8
50°	7.7	8.1	8.4	8.6	8.7	8.5	8.3	8.1	9.3	10.6	11.1
47.5°	10.2	10.6	10.0	9.9	10.6	10.0	9.6	9.7	10.3	9.9	10.4
45°	16.9	16.4	15.3	15.1	14.7	14.2	12.2	13.2	13.4	12.7	11.0
42.5°	32.6	27.7	24.1	24.3	22.9	21.3	19.5	19.1	18.5	17.0	15.9
40°	49.8	49.5	44.8	39.5	36.0	31.5	29.5	27.1	25.6	23.4	22.8
37.5°	70.9	69.1	72.1	69.5	59.5	50.5	44.3	37.9	33.7	35.9	34.1
35°	105.1	103.1	108.1	103.1	95.5	91.3	70.6	55.1	50.0	55.6	50.0
32.5°	156.5	181.3	173.2	159.9	166.8	157.1	125.3	86.4	85.9	84.6	75.0
30°	306.9	328.8	317.4	281.3	290.9	270.4	204.3	191.0	160.2	121.9	106.6
27.5°	668.9	545.3	525.7	518.2	459.6	421.2	388.2	349.8	269.7	197.9	148.0
25°	1144.7	961.5	830.8	795.1	722.6	612.6	593.9	546.4	448.0	300.8	203.5
22.5°	1696.9	1444.2	1233.8	1103.5	987.6	853.4	783.4	753.5	647.6	429.8	293.7
20°	2260.4	1924.5	1638.3	1430.3	1221.7	1061.5	969.3	922.1	790.7	586.5	387.9
17.5°	3556.6	2526.3	2097.3	1780.8	1486.2	1267.8	1179.2	1067.4	933.6	738.4	479.5
15°	5577.4	3897.8	2886.8	2281.1	1845.9	1604.1	1451.7	1238.0	1073.9	872.6	622.0
12.5°	10459.5	6238.3	3849.9	2977.8	2415.4	2021.8	1770.5	1477.9	1232.2	1056.7	833.1
10°	15776.1	9487.3	5723.0	3987.9	3101.8	2499.5	2079.1	1720.9	1438.3	1257.8	1041.7
7.5°	22200.7	13153.8	7713.4	4958.8	3716.8	2906.5	2350.1	1927.5	1629.8	1446.1	1244.8
5°	27420.1	15807.8	8927.2	5685.9	4232.8	3288.5	2626.9	2102.9	1807.7	1622.7	1438.3
2.5°	30656.9	17234.1	9644.5	6288.7	4663.6	3609.1	2854.1	2252.1	1945.9	1737.3	1545.8
0°	31456.3	18357.7	10207.8	6307.5	4876.6	3808.1	2990.9	2382.7	2061.4	1833.4	1636.6
-2.5°	31512.2	18050.5	10087.3	6247.6	4772.7	3766.7	2995.1	2445.4	2127.3	1883.1	1670.0
-5°	29094.6	16448.1	9365.7	6033.1	4617.1	3672.2	2985.8	2502.6	2177.2	1924.8	1681.9
-7.5°	26310.2	14513.9	8442.1	5689.9	4396.0	3547.4	2971.5	2548.8	2211.2	1970.5	1697.8
-10°	21164.7	12213.3	7605.6	5395.5	4192.5	3418.2	2955.0	2563.3	2235.9	2007.8	1688.2
-12.5°	17868.5	10234.4	6588.6	4989.9	4028.5	3365.1	2940.8	2535.9	2252.8	2037.5	1651.6
-15°	13339.0	8534.5	5984.8	4688.7	3894.8	3294.8	2886.5	2455.5	2191.2	2022.6	1586.6
-17.5°	9935.7	6787.9	5125.2	4190.3	3572.3	3194.8	2775.4	2368.6	2085.8	1869.7	1421.9
-20°	6713.6	5278.0	4402.7	3683.2	3158.2	2845.1	2557.7	2216.5	1955.9	1651.3	1213.6



REPORT NUMBER: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4979.1	4213.1	3595.3	3089.3	2739.6	2476.2	2234.4	1989.5	1795.1	1425.0	1001.1
-25°	3868.5	3331.7	2928.6	2657.8	2357.4	2113.2	1939.4	1788.9	1544.2	1188.6	810.2
-27.5°	3103.9	2730.4	2514.4	2314.6	2081.5	1860.4	1715.9	1584.9	1291.5	955.5	747.6
-30°	2596.8	2429.6	2246.5	2056.7	1880.0	1702.3	1554.3	1317.1	1046.1	774.8	691.1
-32.5°	2322.9	2195.4	2035.2	1866.4	1717.0	1588.3	1354.8	1063.1	814.8	716.0	644.4
-35°	2122.8	1992.1	1839.2	1713.8	1599.0	1401.5	1146.3	862.3	724.8	661.7	600.9
-37.5°	1939.0	1798.9	1692.2	1577.6	1407.8	1182.8	900.9	752.2	673.8	616.8	554.7
-40°	1819.9	1689.5	1521.3	1373.7	1142.9	887.2	774.3	697.3	636.1	569.5	505.4
-42.5°	1635.6	1467.5	1265.6	1034.6	846.0	778.0	712.5	654.9	591.4	521.1	458.1
-45°	1283.2	1076.0	887.0	822.3	759.8	711.3	664.8	603.0	536.6	473.4	411.6
-47.5°	899.3	837.2	779.2	739.4	699.9	655.6	601.2	542.0	483.2	425.6	376.9
-50°	770.4	747.0	717.7	680.5	634.6	585.8	535.7	483.4	433.0	387.8	341.6
-52.5°	725.6	691.4	652.7	609.2	564.7	520.5	474.0	434.1	392.2	349.9	306.3
-55°	660.0	624.0	585.1	543.3	500.9	466.4	429.8	391.3	352.4	312.1	274.3
-57.5°	592.8	559.2	525.7	491.1	455.4	419.8	383.9	348.0	313.1	277.5	243.2
-60°	539.3	508.0	475.8	441.3	404.5	369.1	338.5	306.8	274.0	245.5	216.2
-62.5°	488.5	457.2	423.1	388.2	355.1	324.5	295.6	267.9	242.3	216.3	183.1
-65°	417.2	387.4	358.4	330.1	302.7	276.6	252.2	225.5	198.2	172.3	143.5
-67.5°	334.0	312.6	290.4	266.3	239.5	213.9	189.5	166.5	144.4	122.7	97.6
-70°	237.4	218.0	197.7	177.7	159.4	141.5	123.3	105.1	87.1	73.1	58.8
-72.5°	139.5	126.2	112.7	99.3	85.3	75.4	66.6	57.3	47.3	36.6	28.4
-75°	68.7	62.3	55.8	49.4	42.4	34.9	30.8	28.5	26.2	23.7	21.1
-77.5°	34.2	31.6	29.1	27.3	25.5	23.7	21.9	20.1	18.7	17.3	16.1
-80°	22.2	20.7	19.3	18.4	17.4	16.4	15.4	14.5	13.7	13.0	12.3
-82.5°	14.5	13.7	12.9	12.3	11.6	11.0	10.3	9.9	9.4	8.9	8.5
-85°	9.6	8.9	8.3	7.9	7.6	7.3	7.0	7.0	7.0	7.1	7.2
-87.5°	6.6	6.0	5.5	5.5	5.4	5.4	5.4	5.6	5.9	6.1	6.4
-90°	1.7	1.9	2.2	2.5	2.8	3.0	3.3	3.6	3.9	4.1	4.4





REPORT NUMBER: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	5.6	5.6	5.6	5.6	5.9	6.2	6.4	6.7	6.4	6.2	5.9
87.5°	4.4	4.4	4.4	4.4	4.7	5.0	5.3	5.6	5.6	5.6	5.6
85°	4.5	4.6	4.6	4.6	4.8	5.0	5.3	5.6	5.6	5.6	5.6
82.5°	4.7	5.0	5.2	5.3	5.3	5.3	5.4	5.6	5.6	5.6	5.6
80°	4.8	5.1	5.4	5.6	5.6	5.6	5.6	5.6	5.8	5.8	5.8
77.5°	4.8	5.1	5.4	5.6	5.6	5.6	5.6	5.7	5.9	6.0	6.0
75°	4.8	5.1	5.4	5.6	5.6	5.6	5.6	5.7	6.0	6.2	6.3
72.5°	5.4	5.4	5.5	5.6	5.6	5.6	5.6	5.7	6.0	6.2	6.5
70°	6.2	5.7	5.6	5.7	5.7	5.6	5.6	5.7	6.0	6.3	6.5
67.5°	7.3	6.6	6.0	5.9	6.0	5.9	5.7	5.8	6.0	6.3	6.6
65°	12.0	8.8	6.7	6.4	6.3	6.3	6.1	5.9	6.1	6.3	6.6
62.5°	16.4	11.9	8.9	7.2	6.6	6.5	6.6	6.3	6.2	6.4	6.6
60°	20.5	15.3	11.3	9.1	7.4	6.7	6.7	6.6	6.4	6.4	6.7
57.5°	19.0	17.8	14.5	11.1	8.8	7.3	6.7	6.7	6.6	6.5	6.7
55°	16.2	15.6	16.0	13.3	10.2	8.2	7.0	6.7	6.7	6.6	6.7
52.5°	13.1	14.0	15.2	14.6	11.8	9.1	7.7	6.7	6.7	6.7	6.7
50°	10.8	12.6	14.5	14.8	13.0	10.3	8.4	7.2	6.7	6.7	6.8
47.5°	10.8	12.3	13.6	15.2	14.0	11.3	9.1	7.7	6.7	6.7	6.8
45°	12.5	13.2	13.7	14.6	15.0	12.1	9.8	8.1	7.0	6.8	6.9
42.5°	15.3	15.6	15.2	14.4	14.9	12.6	10.3	8.5	7.3	6.8	7.0
40°	21.1	19.1	17.5	17.1	15.5	13.0	10.6	8.8	7.6	7.0	7.1
37.5°	28.1	24.6	21.5	22.0	17.7	14.2	10.8	9.0	8.0	7.3	7.2
35°	40.9	31.9	30.5	29.7	23.8	16.1	10.7	9.0	8.4	7.6	7.2
32.5°	56.2	47.3	45.8	39.9	31.5	18.6	11.9	9.8	8.9	7.9	7.3
30°	85.0	76.4	65.5	52.0	41.1	25.8	14.7	10.8	9.5	8.2	7.4
27.5°	131.0	110.7	90.4	70.1	52.6	34.4	18.3	12.0	10.2	8.5	7.6
25°	180.3	152.9	123.4	92.5	65.4	47.0	21.8	13.5	11.0	9.0	7.9
22.5°	232.3	198.5	159.6	117.4	83.8	61.8	28.6	16.5	12.1	9.6	8.1
20°	285.2	245.6	200.2	147.4	106.4	77.6	39.8	19.4	13.3	10.1	8.3
17.5°	343.5	302.9	252.7	185.1	131.0	94.0	52.0	22.1	14.6	10.6	8.5
15°	454.9	372.4	310.2	226.1	155.4	110.9	64.9	24.7	15.9	11.2	8.7
12.5°	590.7	442.7	371.3	269.4	179.2	128.0	78.1	27.2	17.3	12.1	9.0
10°	740.1	512.9	434.5	313.7	202.2	145.0	91.3	31.5	20.0	13.4	9.2
7.5°	896.6	582.5	498.3	357.8	227.0	169.0	117.1	40.4	22.8	14.8	9.4
5°	1042.2	645.2	561.4	412.7	265.5	199.9	144.8	49.7	25.7	16.2	9.6
2.5°	1129.2	696.2	620.7	465.9	302.6	229.6	171.8	58.9	28.5	17.6	9.8
0°	1199.7	743.8	674.9	514.8	338.0	257.9	196.8	67.8	31.1	18.9	10.0
-2.5°	1214.1	770.9	693.7	542.5	371.2	285.6	217.0	82.4	41.3	25.1	13.3
-5°	1211.2	794.7	708.3	565.5	401.8	311.4	233.8	96.1	51.1	31.0	16.5
-7.5°	1207.6	806.1	715.9	582.0	429.5	334.8	247.0	108.5	60.3	36.5	19.5
-10°	1181.2	808.6	714.1	579.8	435.4	344.4	254.3	119.4	68.7	41.5	22.1
-12.5°	1123.8	808.2	709.0	572.4	433.9	341.4	246.7	127.0	76.0	45.8	24.4
-15°	1032.4	804.8	701.3	560.0	427.9	336.3	237.7	132.4	81.9	49.7	26.1
-17.5°	898.4	798.5	691.1	542.6	417.2	329.4	228.0	136.2	86.8	53.2	27.8
-20°	835.3	767.8	676.6	520.0	401.3	320.4	217.9	138.4	90.8	55.7	29.2



REPORT NUMBER: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	788.7	717.0	624.4	499.2	384.3	309.6	207.9	138.9	93.6	57.3	29.9
-25°	734.7	664.9	568.7	460.9	370.2	293.8	202.6	137.7	95.3	57.7	29.9
-27.5°	676.3	609.8	515.9	422.6	349.1	279.5	200.1	139.0	95.8	57.0	29.2
-30°	617.6	552.3	471.1	388.2	327.2	260.0	195.5	138.9	94.8	55.8	27.6
-32.5°	572.5	500.2	429.1	362.9	304.3	240.2	184.5	137.3	92.2	53.9	26.4
-35°	530.1	457.9	389.6	337.0	281.3	223.6	171.7	134.2	88.0	50.8	25.0
-37.5°	486.0	419.4	361.0	311.4	258.7	205.7	161.4	124.2	82.1	46.5	22.9
-40°	443.4	384.0	333.8	287.1	237.3	186.6	150.0	112.8	75.7	41.0	20.1
-42.5°	400.7	353.2	307.0	263.2	215.0	172.8	137.5	100.7	66.7	36.2	16.7
-45°	366.1	321.6	279.2	237.1	192.8	158.1	123.3	88.0	56.6	31.5	14.1
-47.5°	330.5	289.8	251.0	210.9	175.6	142.2	108.2	75.8	45.8	25.9	13.2
-50°	294.7	258.7	223.6	189.3	157.3	124.9	92.7	62.7	38.2	19.2	12.2
-52.5°	265.0	230.6	199.0	168.5	137.7	106.8	77.1	49.3	30.0	16.1	11.0
-55°	237.7	204.3	175.5	146.4	117.2	88.3	60.7	39.3	21.3	14.3	9.8
-57.5°	211.6	178.8	150.8	123.3	95.5	68.8	46.7	28.7	17.5	12.4	9.7
-60°	184.8	152.5	125.0	98.2	72.4	51.0	34.0	20.2	15.0	10.7	9.5
-62.5°	152.2	123.2	95.6	71.2	51.8	35.7	22.4	17.1	12.3	10.3	9.2
-65°	114.9	88.5	65.0	48.9	33.8	22.7	18.4	13.7	11.2	9.8	8.9
-67.5°	74.0	57.4	41.9	28.0	22.2	18.3	14.2	11.9	10.4	9.3	8.6
-70°	44.2	30.6	24.2	20.9	17.5	14.3	12.4	10.8	9.6	8.8	8.3
-72.5°	25.1	22.0	19.0	16.2	14.3	12.6	11.0	9.7	9.0	8.4	7.9
-75°	18.4	16.7	15.3	13.8	12.3	10.8	9.8	8.9	8.3	7.8	7.6
-77.5°	14.9	13.7	12.5	11.6	10.5	9.6	8.7	8.0	7.7	7.5	7.2
-80°	11.5	10.8	10.3	9.8	9.0	8.3	7.8	7.5	7.3	7.1	6.9
-82.5°	8.2	8.3	8.3	8.3	7.9	7.5	7.2	7.0	6.9	6.7	6.6
-85°	7.2	7.2	7.1	7.0	6.8	6.7	6.7	6.7	6.6	6.5	6.4
-87.5°	6.3	6.3	6.3	6.2	6.3	6.4	6.6	6.7	6.5	6.3	6.1
-90°	4.4	4.4	4.4	4.4	4.7	5.0	5.3	5.6	5.6	5.6	5.6



REPORT NUMBER: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.6	5.6	5.6	5.6	5.6	5.6	5.6
87.5°	5.6	5.7	5.7	5.7	5.7	5.6	5.6
85°	5.6	5.7	5.8	5.8	5.8	5.6	5.6
82.5°	5.6	5.8	5.9	5.9	5.9	5.7	5.6
80°	5.7	5.9	6.0	6.0	6.0	5.7	5.6
77.5°	5.9	6.0	6.1	6.1	6.1	5.7	5.6
75°	6.2	6.1	6.2	6.3	6.1	5.7	5.6
72.5°	6.5	6.3	6.3	6.4	6.2	5.8	5.6
70°	6.7	6.5	6.4	6.5	6.3	5.8	5.6
67.5°	6.7	6.6	6.5	6.5	6.4	5.8	5.6
65°	6.7	6.7	6.6	6.6	6.4	5.8	5.6
62.5°	6.7	6.7	6.6	6.6	6.5	5.8	5.6
60°	6.7	6.7	6.7	6.6	6.6	5.8	5.6
57.5°	6.7	6.7	6.7	6.6	6.5	5.8	5.6
55°	6.7	6.7	6.7	6.7	6.5	5.9	5.6
52.5°	6.7	6.7	6.7	6.7	6.5	5.9	5.6
50°	6.7	6.7	6.7	6.7	6.5	5.9	5.6
47.5°	6.7	6.7	6.7	6.7	6.5	5.9	5.6
45°	6.8	6.7	6.7	6.7	6.5	5.9	5.6
42.5°	6.9	6.7	6.7	6.7	6.5	5.9	5.6
40°	7.0	6.7	6.7	6.7	6.5	5.9	5.6
37.5°	7.2	6.7	6.7	6.7	6.5	5.9	5.6
35°	7.3	6.8	6.7	6.7	6.5	5.9	5.6
32.5°	7.4	6.9	6.7	6.7	6.5	5.8	5.6
30°	7.5	7.0	6.7	6.7	6.6	5.8	5.6
27.5°	7.6	7.1	6.7	6.7	6.6	5.8	5.6
25°	7.6	7.3	6.7	6.7	6.6	5.8	5.6
22.5°	7.7	7.4	6.7	6.7	6.6	5.8	5.6
20°	7.8	7.5	6.7	6.7	6.6	5.8	5.6
17.5°	7.9	7.5	6.7	6.7	6.6	5.8	5.6
15°	8.0	7.6	6.7	6.7	6.6	5.7	5.6
12.5°	8.1	7.7	6.7	6.7	6.7	5.7	5.6
10°	8.3	7.7	6.7	6.7	6.7	5.7	5.6
7.5°	8.4	7.8	6.7	6.7	6.7	5.7	5.6
5°	8.6	7.8	6.7	6.7	6.7	5.6	5.6
2.5°	8.7	7.8	6.7	6.7	6.7	5.6	5.6
0°	8.9	7.8	6.7	6.7	6.7	5.6	5.6
-2.5°	9.8	7.8	6.7	6.7	6.7	5.6	5.6
-5°	10.6	7.8	6.7	6.7	6.7	5.6	5.6
-7.5°	11.4	7.8	6.7	6.7	6.7	5.6	5.6
-10°	12.0	7.7	6.7	6.7	6.7	5.6	5.6
-12.5°	12.5	7.7	6.7	6.7	6.6	5.6	5.6
-15°	12.9	7.6	6.7	6.7	6.6	5.6	5.6
-17.5°	13.0	7.5	6.7	6.7	6.6	5.6	5.6
-20°	13.2	7.5	6.7	6.7	6.6	5.6	5.6



REPORT NUMBER: P701348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	13.6	7.4	6.7	6.7	6.5	5.6	5.6
-25°	13.6	7.5	6.7	6.7	6.5	5.6	5.6
-27.5°	13.2	7.7	6.7	6.7	6.5	5.6	5.6
-30°	12.5	7.7	6.7	6.7	6.4	5.6	5.6
-32.5°	11.2	7.7	6.8	6.7	6.4	5.6	5.6
-35°	10.8	7.6	6.9	6.7	6.3	5.6	5.6
-37.5°	10.7	7.6	7.0	6.7	6.2	5.6	5.6
-40°	10.4	7.7	7.0	6.7	6.2	5.6	5.6
-42.5°	10.1	7.7	7.1	6.7	6.1	5.6	5.6
-45°	9.5	7.8	7.1	6.7	6.1	5.6	5.6
-47.5°	8.9	7.8	7.1	6.8	6.0	5.6	5.6
-50°	8.8	7.8	7.2	6.7	5.9	5.6	5.6
-52.5°	8.7	7.8	7.2	6.6	5.8	5.6	5.6
-55°	8.7	7.8	7.2	6.5	5.8	5.6	5.6
-57.5°	8.6	7.7	7.1	6.4	5.7	5.6	5.6
-60°	8.5	7.7	7.1	6.3	5.6	5.6	5.6
-62.5°	8.3	7.6	7.0	6.2	5.6	5.6	5.6
-65°	8.1	7.5	6.8	6.1	5.6	5.6	5.6
-67.5°	7.9	7.3	6.6	6.0	5.6	5.6	5.6
-70°	7.7	7.1	6.5	5.9	5.6	5.6	5.6
-72.5°	7.5	6.9	6.3	5.8	5.6	5.6	5.6
-75°	7.2	6.7	6.1	5.8	5.6	5.6	5.6
-77.5°	7.0	6.5	6.1	5.8	5.6	5.6	5.6
-80°	6.7	6.3	6.0	5.7	5.6	5.6	5.6
-82.5°	6.4	6.1	5.9	5.7	5.6	5.6	5.6
-85°	6.2	6.0	5.8	5.7	5.6	5.6	5.6
-87.5°	5.9	5.8	5.7	5.6	5.6	5.6	5.6
-90°	5.6	5.6	5.6	5.6	5.6	5.6	5.6

(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

