

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: P701416 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-70-2S-CV2-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701416 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-11)  
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-CV2-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

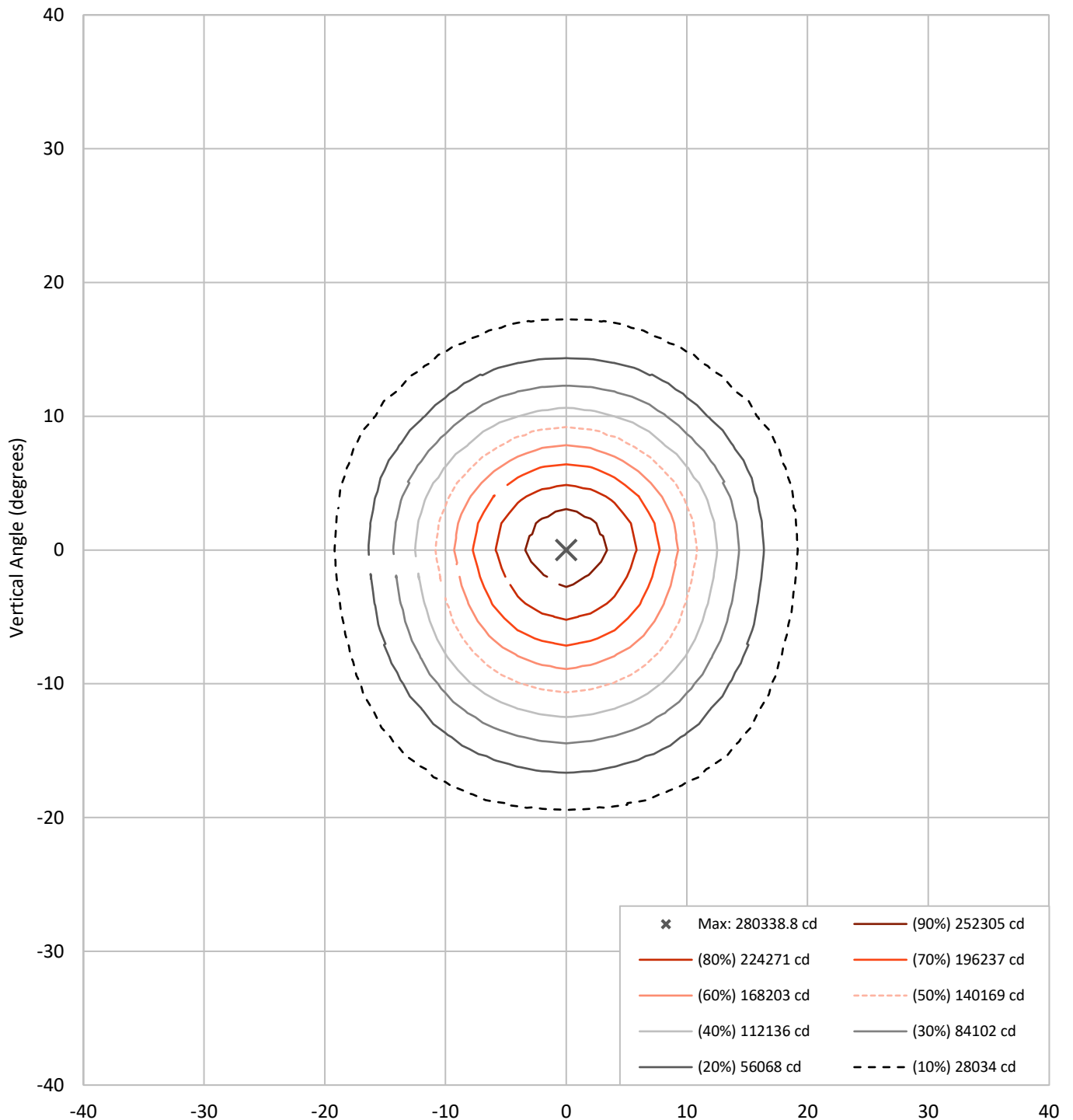
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	43397 lumens	Max Intensity:	280338.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	125.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.7°H x 19.8°V	Field Angle (10%):	38.4°H x 36.6°V
Beam Lumens:	20062.1 lumens	Field Lumens:	37425.2 lumens
Beam Efficiency:	46.2%	Field Efficiency:	86.2%

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





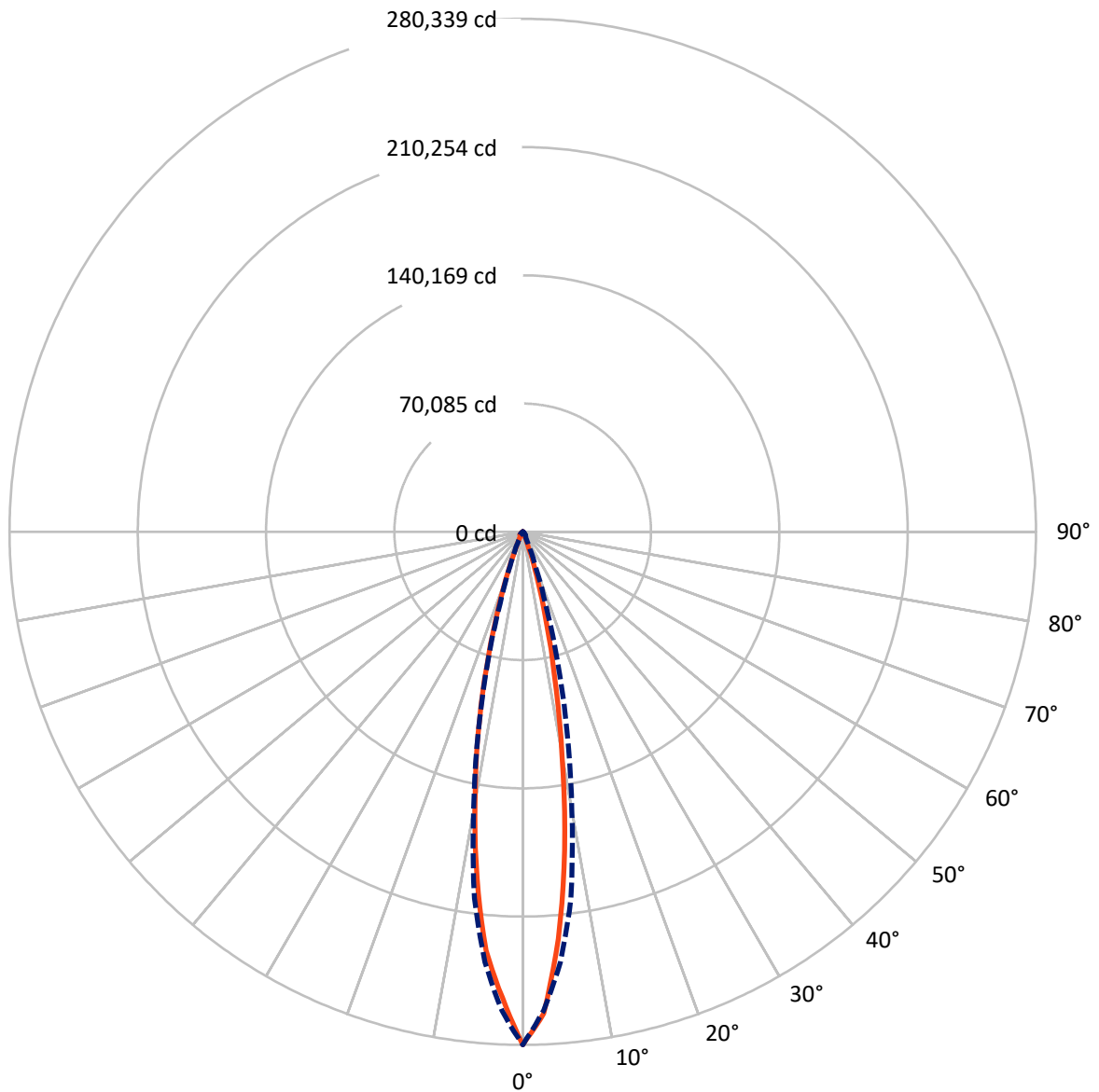
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### Lumen Table

90	0.1	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.1									
80	0.1	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.1								
70	0.1	0.1	0.1	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.4	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	0.6	0.8	0.9	0.9	0.8	0.6	0.4	0.3	0.3	0.1	0.1			
40		0.1	0.6	1.2	2.5	4.0	4.9	5.7	5.7	4.9	4.0	2.5	1.2	0.6	0.1				
30	0.1	0.3	1.8	6.1	16.1	23.7	41.4	91.2	91.2	41.4	23.7	16.1	6.1	1.8	0.3	0.1			
20		0.6	4.1	15.7	36.9	72.2	448.5	1399.4	1399.4	448.5	72.2	36.9	15.7	4.1	0.6				
10	0.2	1.1	7.0	29.0	60.3	194.2	1832.9	5459.6	5459.6	1832.9	194.2	60.3	29.0	7.0	1.1	0.2			
0		1.9	9.1	34.1	67.5	194.9	1942.6	5692.1	5692.1	1942.6	194.9	67.5	34.1	9.1	1.9				
-10	0.4	2.1	9.2	31.5	66.7	111.5	715.2	2064.1	2064.1	715.2	111.5	66.7	31.5	9.2	2.1	0.4			
-20		2.0	7.8	18.8	47.4	69.8	108.9	213.2	213.2	108.9	69.8	47.4	18.8	7.8	2.0				
-30	0.3	1.7	5.7	11.7	26.2	50.2	65.0	71.4	71.4	65.0	50.2	26.2	11.7	5.7	1.7	0.3			
-40		1.1	3.9	8.7	14.8	24.5	42.6	57.6	57.6	42.6	24.5	14.8	8.7	3.9	1.1				
-50	0.2	0.5	2.3	5.6	10.3	15.4	19.7	22.2	22.2	19.7	15.4	10.3	5.6	2.3	0.5	0.2			
-60		0.2	0.8	2.7	5.5	8.9	12.5	14.7	14.7	12.5	8.9	5.5	2.7	0.8	0.2				
-70	0.1	0.7	2.0	5.1	7.3	5.1	2.0	0.7	0.1							0.1			
-80		0.1	0.7	2.0	5.1	7.3	5.1	2.0	0.7	0.1									
-90	0.1	0.7	2.0	5.1	7.3	5.1	2.0	0.7	0.1										

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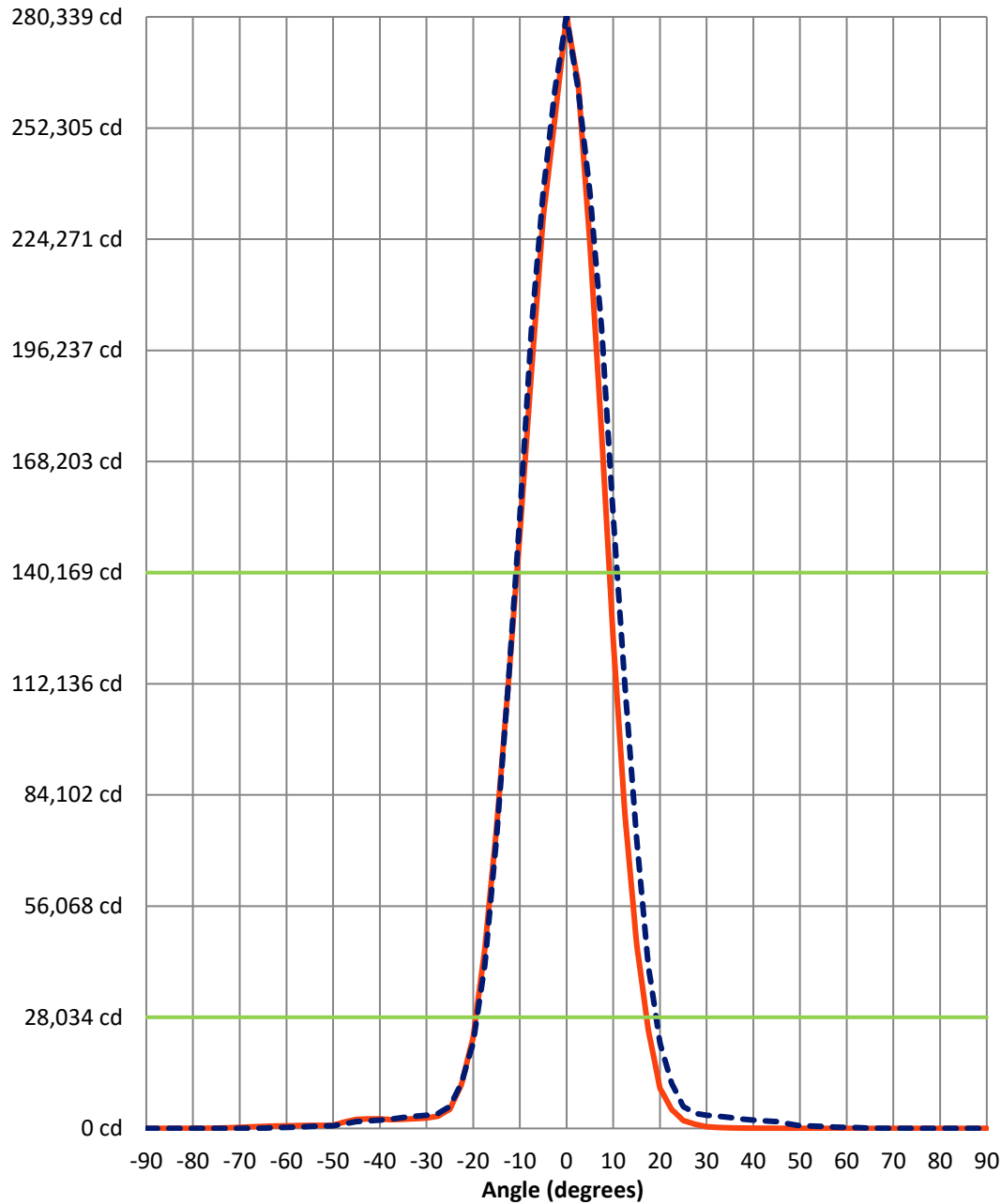
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 21.7°  
 V Angle: 19.8°  
 Lumens: 20062.1  
 Efficiency: 46.2%

**Field:**  
 H Angle: 38.4°  
 V Angle: 36.6°  
 Lumens: 37425.2  
 Efficiency: 86.2%

**Spill:**  
 Lumens: 5971.9  
 Efficiency: 13.8%

— 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	5.7	5.7	5.7	5.7
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	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.6
67.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.7	4.6
65°	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.5	4.8	4.9	4.8
62.5°	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.7	5.0	5.1	4.8
60°	4.5	4.5	4.5	4.5	4.5	4.7	4.7	5.0	5.3	5.1	4.9
57.5°	4.5	4.5	4.5	4.5	4.6	4.9	5.0	5.4	5.5	5.2	4.9
55°	4.5	4.5	4.5	4.5	4.7	5.0	5.2	5.7	5.5	5.3	5.0
52.5°	4.5	4.5	4.6	4.5	4.9	5.1	5.4	5.7	5.6	5.3	5.1
50°	4.5	4.5	4.6	4.5	5.0	5.3	5.6	5.7	5.6	5.4	6.0
47.5°	4.5	4.5	4.6	4.5	5.1	5.4	5.7	5.7	5.7	5.5	6.8
45°	4.5	4.5	4.6	4.6	5.3	5.5	5.7	5.7	5.7	6.0	7.4
42.5°	4.5	4.5	4.7	4.7	5.4	5.6	5.7	5.7	5.8	6.4	8.3
40°	4.5	4.5	4.7	4.9	5.5	5.6	5.7	5.8	6.0	6.6	9.2
37.5°	4.5	4.5	4.8	5.0	5.6	5.7	5.7	5.9	6.5	7.3	9.9
35°	4.5	4.5	4.8	5.1	5.6	5.7	5.7	6.1	7.0	8.5	10.3
32.5°	4.5	4.5	4.9	5.2	5.7	5.7	5.7	6.2	7.5	9.7	11.3
30°	4.5	4.5	4.9	5.3	5.7	5.7	5.8	6.5	8.2	11.0	12.4
27.5°	4.5	4.5	5.0	5.4	5.7	5.7	6.0	6.9	9.0	12.3	13.7
25°	4.5	4.5	5.1	5.5	5.7	5.7	6.1	7.4	10.0	13.4	15.3
22.5°	4.5	4.5	5.1	5.5	5.7	5.7	6.2	7.9	11.0	14.6	18.2
20°	4.5	4.5	5.2	5.6	5.7	5.8	6.4	8.4	12.1	15.9	21.0
17.5°	4.5	4.5	5.3	5.6	5.7	5.9	6.6	9.0	13.1	17.3	23.6
15°	4.5	4.5	5.3	5.7	5.7	6.0	6.8	9.4	14.0	18.7	26.1
12.5°	4.5	4.5	5.4	5.7	5.7	6.1	7.0	9.9	15.0	20.1	28.3
10°	4.5	4.5	5.5	5.7	5.7	6.3	7.2	10.2	16.0	22.3	31.8
7.5°	4.5	4.5	5.5	5.7	5.7	6.4	7.4	10.6	16.9	24.7	38.2
5°	4.5	4.5	5.6	5.7	5.7	6.5	7.6	10.9	17.7	27.1	44.8
2.5°	4.5	4.5	5.6	5.7	5.7	6.7	7.7	11.1	18.5	29.5	51.4
0°	4.5	4.5	5.7	5.7	5.7	6.8	7.9	11.3	19.2	31.7	57.7
-2.5°	4.5	4.5	5.7	5.8	5.8	7.0	8.8	13.9	24.9	41.4	74.5
-5°	4.5	4.6	5.7	5.8	5.9	7.3	9.7	16.5	30.3	50.7	90.4
-7.5°	4.5	4.6	5.7	5.9	6.0	7.5	10.5	18.8	35.3	59.3	104.9
-10°	4.5	4.6	5.7	6.0	6.1	7.6	11.2	20.9	39.8	67.1	117.6
-12.5°	4.5	4.6	5.7	6.0	6.2	7.8	11.8	22.6	43.6	73.9	125.2
-15°	4.5	4.7	5.6	6.1	6.3	7.9	12.3	24.0	47.0	79.2	129.7
-17.5°	4.5	4.7	5.6	6.1	6.4	8.0	12.7	25.5	50.2	83.5	132.8
-20°	4.5	4.7	5.6	6.2	6.5	8.1	13.0	27.0	52.5	86.8	134.3



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV2-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	5.6	6.2	6.5	8.1	13.5	27.7	53.9	89.1	134.2
-25°	4.5	4.7	5.6	6.2	6.6	8.2	13.7	27.7	54.4	90.2	132.5
-27.5°	4.5	4.7	5.6	6.2	6.7	8.3	13.6	26.8	53.9	90.3	133.1
-30°	4.5	4.8	5.5	6.2	6.8	8.4	13.1	25.1	52.8	89.5	132.4
-32.5°	4.5	4.8	5.5	6.2	6.9	8.4	12.4	24.1	50.8	87.3	130.2
-35°	4.5	4.8	5.5	6.1	7.0	8.3	12.0	23.2	47.5	83.7	126.4
-37.5°	4.5	4.8	5.5	6.1	7.1	8.3	11.9	21.8	42.9	78.7	116.7
-40°	4.5	4.8	5.5	6.0	7.2	8.3	11.7	19.8	36.9	72.3	105.9
-42.5°	4.5	4.8	5.5	5.9	7.1	8.4	11.4	17.4	32.7	62.4	94.2
-45°	4.5	4.8	5.5	5.9	7.0	8.4	10.9	15.5	29.3	51.5	81.7
-47.5°	4.5	4.8	5.5	5.8	6.9	8.3	10.4	14.8	25.1	40.4	69.1
-50°	4.5	4.8	5.5	5.8	6.8	8.1	10.1	14.0	20.0	34.4	56.0
-52.5°	4.5	4.8	5.5	5.8	6.6	7.9	9.8	13.0	17.4	27.9	43.0
-55°	4.5	4.8	5.5	5.8	6.5	7.7	9.5	12.0	15.9	21.0	35.0
-57.5°	4.5	4.8	5.5	5.8	6.3	7.5	9.0	11.4	14.4	18.1	26.5
-60°	4.5	4.8	5.5	5.8	6.1	7.2	8.5	10.7	13.0	16.4	19.8
-62.5°	4.5	4.7	5.5	5.8	6.1	6.9	8.1	9.9	12.1	14.6	17.8
-65°	4.5	4.7	5.4	5.8	6.0	6.6	7.7	9.1	11.2	13.4	15.7
-67.5°	4.5	4.7	5.3	5.7	5.9	6.4	7.2	8.6	10.2	12.3	14.3
-70°	4.5	4.7	5.3	5.7	5.9	6.2	6.8	8.1	9.6	11.2	13.0
-72.5°	4.5	4.7	5.2	5.6	5.8	6.1	6.5	7.6	9.0	10.4	11.9
-75°	4.5	4.6	5.1	5.5	5.7	5.9	6.3	7.2	8.4	9.7	11.1
-77.5°	4.5	4.6	5.0	5.4	5.6	5.8	6.0	6.8	7.9	9.0	10.2
-80°	4.5	4.6	4.9	5.3	5.5	5.7	5.7	6.5	7.3	8.3	9.4
-82.5°	4.5	4.6	4.8	5.1	5.4	5.6	5.7	6.2	6.8	7.6	8.5
-85°	4.5	4.6	4.7	5.0	5.3	5.5	5.7	6.0	6.4	6.9	7.5
-87.5°	4.5	4.5	4.6	4.9	5.2	5.5	5.7	5.9	6.1	6.3	6.6
-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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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	5.7	5.7	5.7	5.7	6.0	6.3	6.5	6.8	7.1	7.4	7.6
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	3.4	3.4	3.4	3.4	3.4	3.1	2.9	2.6
82.5°	4.2	4.0	3.7	3.4	3.4	3.4	3.4	3.4	3.2	2.9	2.6
80°	4.3	4.0	3.7	3.4	3.4	3.4	3.4	3.4	3.2	3.0	2.8
77.5°	4.3	4.0	3.7	3.5	3.4	3.6	3.8	4.0	3.9	3.8	3.7
75°	4.3	4.0	3.9	3.9	4.1	4.3	4.5	4.5	4.3	4.1	3.8
72.5°	4.4	4.3	4.3	4.5	4.5	4.5	4.5	4.5	5.1	5.8	6.4
70°	4.5	4.5	4.5	4.5	4.5	4.8	6.0	7.5	9.1	10.4	11.9
67.5°	4.5	4.5	4.5	4.6	5.4	6.8	8.6	13.0	18.2	19.8	19.8
65°	4.5	4.5	4.8	5.5	6.7	10.2	15.1	21.2	25.7	25.0	23.4
62.5°	4.5	4.7	5.3	6.9	10.1	14.7	19.5	23.8	28.2	27.4	23.9
60°	4.6	4.8	6.7	9.9	13.4	17.0	21.5	24.4	27.2	28.0	22.1
57.5°	4.7	5.8	9.0	12.4	15.5	18.2	19.9	22.4	24.0	24.3	18.2
55°	5.3	7.6	11.0	14.3	16.6	15.9	17.1	18.6	19.3	17.8	12.9
52.5°	6.7	9.3	12.8	15.5	15.8	14.6	14.2	14.9	13.8	11.7	10.2
50°	8.0	11.0	14.3	15.8	15.5	13.9	11.8	11.5	11.1	10.3	9.3
47.5°	9.2	12.5	15.4	16.4	15.2	13.8	11.4	11.1	11.1	11.8	11.2
45°	10.5	13.4	16.4	16.5	15.7	14.6	13.5	12.3	14.5	15.3	15.2
42.5°	11.5	14.0	16.6	16.9	17.3	17.0	16.6	17.9	19.2	20.4	20.8
40°	11.9	14.4	17.5	19.7	19.7	20.6	22.9	25.0	25.1	26.7	27.6
37.5°	12.1	15.8	20.0	25.0	23.4	26.2	30.1	36.0	36.8	33.5	38.2
35°	12.1	17.8	26.7	32.5	31.6	33.6	42.9	51.5	55.4	49.8	57.5
32.5°	13.3	20.3	35.3	41.4	47.2	49.4	58.3	75.4	85.0	88.6	95.0
30°	16.1	28.3	45.2	51.8	68.0	78.7	86.2	106.6	124.1	177.2	216.5
27.5°	19.7	37.9	55.0	70.4	94.2	112.6	128.7	149.7	214.0	310.6	411.0
25°	23.1	51.0	65.8	94.4	126.7	151.6	173.7	203.5	338.1	536.1	620.6
22.5°	30.0	66.0	83.0	121.5	162.1	191.7	223.8	304.3	486.2	783.7	818.6
20°	41.4	80.4	106.5	151.8	201.5	231.9	274.4	410.2	653.8	881.1	975.4
17.5°	53.6	96.2	132.3	187.6	247.8	282.2	332.0	512.2	798.2	1000.6	1127.0
15°	66.4	113.0	157.1	226.8	296.8	344.3	447.2	652.3	912.2	1140.6	1324.9
12.5°	79.3	130.4	180.7	268.4	348.2	405.7	586.8	865.9	1103.4	1317.2	1567.5
10°	92.0	148.1	203.1	311.1	400.9	465.9	740.6	1083.0	1316.2	1525.3	1781.9
7.5°	117.6	171.9	226.6	353.8	453.9	524.6	901.4	1298.7	1511.4	1707.7	1959.4
5°	145.5	201.2	262.9	404.6	507.0	578.7	1047.8	1507.4	1691.3	1868.3	2114.2
2.5°	172.7	229.1	298.0	453.3	557.8	625.6	1122.8	1621.8	1805.8	1991.5	2247.8
0°	197.9	255.6	331.4	497.7	605.1	669.6	1177.5	1718.1	1901.4	2094.8	2365.1
-2.5°	218.9	282.6	366.7	518.8	618.2	680.8	1159.5	1717.2	1937.0	2151.9	2431.6
-5°	236.5	307.9	399.2	536.2	628.8	690.0	1123.9	1690.1	1966.5	2197.6	2481.8
-7.5°	250.2	331.1	428.5	549.8	635.3	694.6	1108.2	1701.4	2019.1	2237.7	2514.6
-10°	257.8	340.4	430.6	549.2	636.5	695.7	1073.6	1678.1	2062.7	2273.4	2528.4
-12.5°	247.7	336.5	425.0	543.6	636.9	695.3	1007.0	1616.4	2098.5	2307.5	2515.8
-15°	236.6	330.7	415.9	532.4	636.9	693.6	905.2	1513.8	2078.2	2246.6	2463.0
-17.5°	224.9	322.9	403.1	515.5	637.2	690.8	760.5	1293.6	1875.4	2117.8	2378.0
-20°	213.3	313.2	386.4	492.6	633.9	672.3	704.7	1070.0	1579.8	1954.0	2216.9



REPORT NUMBER: P701416 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	202.3	301.4	369.5	470.6	584.7	640.4	671.2	853.5	1275.4	1754.9	1976.3
-25°	196.2	284.1	354.8	437.0	533.4	607.2	633.7	671.5	1006.6	1440.3	1756.8
-27.5°	193.1	269.0	335.1	403.5	485.9	567.4	596.0	628.9	799.5	1132.3	1526.2
-30°	188.1	249.8	314.3	373.0	446.6	516.3	558.1	595.7	642.1	892.1	1203.6
-32.5°	176.7	229.7	291.8	349.0	410.1	471.7	530.6	571.6	609.5	677.2	923.6
-35°	163.5	212.8	268.4	324.1	375.7	435.8	497.0	550.8	581.3	612.9	721.5
-37.5°	152.5	194.9	244.5	298.3	347.9	402.5	461.8	518.6	560.9	589.7	630.9
-40°	140.6	176.0	222.9	271.9	320.5	369.7	424.3	479.5	532.2	576.3	609.5
-42.5°	127.9	161.8	201.3	245.2	291.8	338.1	385.7	438.2	493.7	551.1	594.2
-45°	113.9	147.0	179.9	220.9	262.2	305.3	349.6	396.0	452.1	507.1	561.6
-47.5°	98.9	130.9	162.7	196.3	234.3	272.7	312.4	359.6	409.0	460.9	512.2
-50°	83.3	113.2	145.0	175.6	208.0	242.0	277.3	323.9	371.0	415.9	461.8
-52.5°	68.2	94.4	124.8	155.7	184.5	214.4	248.2	289.1	333.1	376.6	417.5
-55°	52.7	76.9	103.1	132.9	162.4	189.2	221.0	257.3	294.5	335.8	375.4
-57.5°	40.6	59.1	82.1	107.6	136.2	165.5	195.9	226.5	260.4	295.4	329.6
-60°	30.3	43.8	61.3	83.4	107.1	135.8	168.9	199.3	228.0	256.6	287.8
-62.5°	21.0	31.6	44.0	59.3	80.0	103.5	132.0	163.3	196.8	222.2	247.1
-65°	18.7	21.7	30.3	41.6	53.1	72.7	95.3	120.0	148.4	174.3	201.3
-67.5°	16.4	19.0	21.8	26.3	36.5	47.3	58.8	78.9	100.5	119.0	138.3
-70°	14.8	16.4	18.7	21.2	23.8	28.1	37.6	47.6	57.6	68.5	84.0
-72.5°	13.4	14.8	16.3	17.7	19.9	22.0	24.2	26.2	31.9	39.8	47.0
-75°	12.1	13.3	14.6	15.9	17.1	18.3	19.8	21.6	23.4	25.2	27.2
-77.5°	11.0	11.8	12.7	13.9	14.8	15.6	16.5	17.6	18.7	19.8	20.9
-80°	9.8	10.2	10.7	11.5	12.3	13.0	13.6	14.1	14.7	15.5	16.4
-82.5°	8.8	9.0	9.3	9.6	10.0	10.5	11.1	11.7	12.1	12.5	12.9
-85°	7.7	7.9	8.1	8.2	8.5	8.7	9.0	9.3	9.5	9.7	9.9
-87.5°	6.7	6.8	6.9	7.0	7.1	7.3	7.5	7.6	7.7	7.8	7.8
-90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.1	2.9	2.6



REPORT NUMBER: P701416 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	7.9	7.9	7.9	7.9	7.9	9.6	11.3	13.0	14.7	17.2	19.8
87.5°	2.3	2.3	2.2	2.2	2.2	1.9	1.7	1.4	1.1	0.8	0.6
85°	2.3	2.3	2.3	2.3	2.3	2.0	1.7	1.4	1.1	1.1	1.1
82.5°	2.3	2.3	2.3	2.3	2.3	2.0	1.7	1.4	1.1	1.1	1.1
80°	2.6	2.6	2.6	2.5	2.3	2.0	1.7	1.4	1.1	1.1	1.1
77.5°	3.5	3.2	2.9	2.6	2.4	2.2	2.1	2.1	2.1	1.9	1.7
75°	3.5	3.4	3.5	3.4	3.0	2.8	2.7	2.5	2.3	2.3	2.2
72.5°	6.8	6.8	6.4	6.0	5.4	5.1	5.0	4.6	4.2	3.9	3.8
70°	12.4	12.2	11.7	10.7	9.2	7.9	7.2	6.4	5.7	5.4	5.5
67.5°	18.0	16.2	14.7	12.9	10.7	9.0	8.2	7.2	6.2	5.7	5.7
65°	20.9	17.0	14.5	12.6	11.2	9.6	8.1	6.7	5.5	4.9	5.1
62.5°	19.8	14.7	11.7	9.9	8.5	7.7	6.5	5.6	4.9	4.5	4.6
60°	16.4	11.0	8.3	7.4	6.6	5.8	5.4	4.9	4.3	3.8	3.9
57.5°	12.7	8.8	6.7	6.4	6.1	5.8	5.3	4.8	4.4	4.1	4.3
55°	9.5	7.8	6.8	6.9	6.8	6.2	5.6	5.5	5.4	5.3	5.4
52.5°	8.3	8.3	8.6	8.4	7.7	7.1	6.7	6.7	6.8	7.0	7.3
50°	9.5	9.8	9.6	8.8	8.7	8.4	7.9	8.4	9.0	9.3	9.5
47.5°	11.3	11.5	11.6	10.8	11.0	11.8	12.0	12.4	13.6	14.6	15.5
45°	14.5	15.7	16.1	16.5	16.8	18.5	19.4	19.9	23.4	25.0	25.2
42.5°	20.9	22.9	24.4	26.9	26.5	30.8	36.2	39.2	38.9	37.8	37.8
40°	30.6	34.0	41.4	45.4	49.7	54.7	55.2	49.1	49.2	55.3	55.0
37.5°	47.2	58.8	69.3	78.7	81.0	78.2	79.2	83.8	89.3	89.8	92.5
35°	79.6	103.0	108.4	115.6	123.5	116.0	115.1	122.5	120.0	132.7	141.8
32.5°	137.5	170.8	180.9	189.6	211.6	198.9	163.8	214.9	203.4	217.7	239.3
30°	218.8	284.3	328.3	341.5	347.0	348.5	381.5	410.8	434.0	464.9	508.7
27.5°	414.4	457.8	531.0	572.1	520.4	541.7	626.5	641.9	729.2	824.1	902.0
25°	630.2	678.9	809.2	825.5	782.3	861.7	943.7	960.7	1114.7	1226.5	1494.1
22.5°	825.3	906.9	1046.3	1085.8	1121.8	1216.1	1311.3	1424.9	1771.9	2202.2	2983.0
20°	990.4	1081.5	1217.7	1327.7	1417.5	1537.8	1648.8	2036.6	2784.0	4418.6	6196.6
17.5°	1190.2	1246.7	1415.1	1562.2	1702.9	1875.3	2365.7	3345.2	5508.8	9070.5	12446.2
15°	1459.5	1571.8	1676.2	1835.4	2098.3	2599.6	3681.8	6872.4	11398.7	17611.2	25306.2
12.5°	1770.1	1924.8	2069.7	2204.8	2581.9	3764.3	7217.2	12750.2	20359.1	30338.7	45440.6
10°	2047.4	2283.8	2461.7	2697.3	3427.7	5727.1	11057.5	18879.6	32249.9	49883.0	69591.0
7.5°	2239.8	2520.8	2760.7	3111.0	4302.1	8197.5	15576.7	27757.9	46763.3	70522.9	97108.5
5°	2423.0	2739.8	2975.3	3406.2	4880.2	9913.6	19002.0	35158.3	60968.8	92363.6	126496.8
2.5°	2596.0	2933.2	3164.8	3670.6	5245.3	10695.8	20436.7	39759.0	70157.4	107344.7	147883.2
0°	2756.5	3075.5	3317.5	3794.9	5553.7	11446.8	21657.3	41242.4	73261.7	111755.5	154393.6
-2.5°	2726.5	2963.6	3231.6	3710.1	5260.3	10641.5	20234.8	39500.1	69617.2	106490.1	145710.0
-5°	2716.1	2908.3	3150.3	3584.0	4897.8	9195.1	17971.6	35566.2	63645.6	96875.5	133405.3
-7.5°	2724.1	2876.7	3065.9	3424.6	4460.2	7774.2	15625.5	30831.6	54024.4	82159.2	115147.0
-10°	2741.2	2859.3	3051.1	3366.6	4091.5	6213.8	11825.3	23754.4	42476.9	64854.6	90558.9
-12.5°	2770.8	2929.8	3122.3	3336.7	3720.9	4949.4	9300.3	18439.8	31406.1	47127.4	66686.1
-15°	2760.6	2965.7	3183.1	3315.5	3524.7	4208.5	6032.5	12175.6	21730.4	32157.1	43993.8
-17.5°	2686.3	2931.9	3027.4	3130.1	3257.4	3594.2	4612.3	7343.2	12784.2	19635.1	26294.5
-20°	2513.7	2637.9	2757.4	2880.0	3020.9	3206.8	3523.5	4587.3	6180.5	10068.0	13318.0



REPORT NUMBER: P701416 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2189.6	2309.2	2412.7	2611.6	2753.9	2890.4	3064.8	3295.1	3907.8	4870.4	6470.2
-25°	1911.7	1985.4	2131.0	2363.2	2516.1	2597.8	2707.2	2794.6	3004.6	3228.2	3780.8
-27.5°	1689.6	1800.0	1979.5	2182.9	2329.4	2395.2	2452.7	2504.0	2635.9	2727.3	2884.2
-30°	1513.8	1692.7	1860.9	2047.0	2181.7	2259.9	2284.4	2358.4	2444.4	2509.7	2573.3
-32.5°	1261.7	1576.3	1729.3	1883.4	2035.6	2131.9	2197.9	2256.2	2336.9	2387.0	2412.0
-35°	990.2	1312.3	1613.5	1716.9	1827.6	1965.8	2078.4	2137.8	2190.9	2239.2	2269.7
-37.5°	747.2	1011.1	1291.5	1543.7	1662.2	1765.7	1929.4	2028.5	2076.6	2148.6	2189.6
-40°	648.1	722.9	962.2	1198.4	1410.9	1646.5	1805.8	1958.5	2109.6	2202.1	2262.2
-42.5°	625.9	656.4	684.8	850.3	1062.8	1276.3	1511.0	1770.2	1986.9	2150.1	2301.8
-45°	607.9	631.2	654.0	679.9	704.8	868.1	1051.6	1244.8	1494.2	1735.6	1944.1
-47.5°	561.6	605.5	631.3	650.8	671.1	693.7	714.5	758.4	926.0	1104.4	1273.7
-50°	508.9	552.6	591.6	627.8	653.9	671.5	684.6	701.7	721.8	739.6	755.9
-52.5°	457.0	499.3	539.1	578.4	615.3	649.2	680.5	700.3	715.5	728.9	737.2
-55°	413.5	450.0	485.5	524.4	562.3	598.4	632.4	663.1	691.8	718.7	734.1
-57.5°	365.8	401.7	437.4	473.3	507.8	541.0	573.8	605.9	636.3	664.0	680.9
-60°	318.6	348.8	384.3	421.1	455.6	487.7	520.4	551.4	580.1	604.6	619.6
-62.5°	274.3	302.5	331.9	364.7	400.1	434.7	463.8	493.2	522.5	547.8	565.0
-65°	227.4	251.0	274.9	300.5	327.6	355.9	385.0	413.7	441.6	464.4	480.8
-67.5°	160.9	184.3	207.1	229.9	250.7	271.7	294.0	316.5	338.9	357.3	371.7
-70°	99.1	113.8	127.6	142.5	159.9	178.1	196.6	214.0	230.1	242.0	250.8
-72.5°	53.5	59.4	66.5	77.6	87.9	98.8	110.1	120.8	131.0	138.5	144.1
-75°	29.3	31.9	36.5	40.9	45.0	49.8	54.7	59.3	63.6	67.9	71.8
-77.5°	22.2	23.5	24.7	25.8	26.7	28.4	30.4	32.3	34.3	36.8	39.5
-80°	17.3	18.0	18.7	19.3	20.0	21.2	22.4	23.6	24.8	26.1	27.2
-82.5°	13.3	13.7	14.0	14.3	14.5	15.3	16.1	16.9	17.6	18.8	20.1
-85°	10.1	10.3	10.5	10.7	10.9	11.5	12.1	12.7	13.4	14.3	15.2
-87.5°	7.9	8.1	8.4	8.6	8.9	9.3	9.7	10.0	10.4	11.2	12.0
-90°	2.3	2.0	1.7	1.4	1.1	1.1	1.1	1.1	1.1	0.8	0.6



REPORT NUMBER: P701416 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	22.3	24.9	26.6	28.3	26.6	24.9	22.3	19.8	17.2	14.7	13.0
87.5°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.4
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
77.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.1	2.1
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.3	2.5
72.5°	3.6	3.4	3.4	3.4	3.4	3.4	3.6	3.8	3.9	4.2	4.6
70°	5.6	5.6	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.7	6.4
67.5°	5.7	5.7	5.2	4.5	5.2	5.7	5.7	5.7	5.7	6.2	7.2
65°	5.3	5.6	5.2	4.5	5.2	5.6	5.3	5.1	4.9	5.5	6.7
62.5°	4.6	4.6	4.5	4.5	4.5	4.6	4.6	4.6	4.5	4.9	5.6
60°	4.1	4.4	4.5	4.5	4.5	4.4	4.1	3.9	3.8	4.3	4.9
57.5°	4.4	4.5	5.0	5.7	5.0	4.5	4.4	4.3	4.1	4.4	4.8
55°	5.5	5.6	5.7	5.7	5.7	5.6	5.5	5.4	5.3	5.4	5.5
52.5°	7.6	7.8	7.9	7.9	7.9	7.8	7.6	7.3	7.0	6.8	6.7
50°	9.8	10.0	9.7	9.0	9.7	10.0	9.8	9.5	9.3	9.0	8.4
47.5°	16.2	16.6	16.5	15.8	16.5	16.6	16.2	15.5	14.6	13.6	12.4
45°	25.9	25.9	25.8	26.0	25.8	25.9	25.9	25.2	25.0	23.4	19.9
42.5°	38.8	39.1	39.3	39.6	39.3	39.1	38.8	37.8	37.8	38.9	39.2
40°	56.0	56.3	55.7	54.3	55.7	56.3	56.0	55.0	55.3	49.2	49.1
37.5°	97.2	99.4	98.8	97.3	98.8	99.4	97.2	92.5	89.8	89.3	83.8
35°	145.1	143.8	140.0	140.3	140.0	143.8	145.1	141.8	132.7	120.0	122.5
32.5°	226.7	234.8	237.3	238.7	237.3	234.8	226.7	239.3	217.7	203.4	214.9
30°	539.6	523.3	450.9	428.7	450.9	523.3	539.6	508.7	464.9	434.0	410.8
27.5°	958.6	1010.3	1057.6	1062.1	1057.6	1010.3	958.6	902.0	824.1	729.2	641.9
25°	1770.4	1944.3	2017.6	2007.7	2017.6	1944.3	1770.4	1494.1	1226.5	1114.7	960.7
22.5°	3906.1	4499.7	4809.0	4819.6	4809.0	4499.7	3906.1	2983.0	2202.2	1771.9	1424.9
20°	8523.1	9955.6	10317.3	10209.4	10317.3	9955.6	8523.1	6196.6	4418.6	2784.0	2036.6
17.5°	17573.7	21811.4	24704.4	24903.5	24704.4	21811.4	17573.7	12446.2	9070.5	5508.8	3345.2
15°	34203.7	41993.3	46032.9	46719.2	46032.9	41993.3	34203.7	25306.2	17611.2	11398.7	6872.4
12.5°	59751.3	71607.7	78204.6	79333.5	78204.6	71607.7	59751.3	45440.6	30338.7	20359.1	12750.2
10°	91139.6	107676.4	118429.0	123282.6	118429.0	107676.4	91139.6	69591.0	49883.0	32249.9	18879.6
7.5°	123346.5	149399.0	170675.1	175499.0	170675.1	149399.0	123346.5	97108.5	70522.9	46763.3	27757.9
5°	163190.7	198123.0	218554.8	223273.4	218554.8	198123.0	163190.7	126496.8	92363.6	60968.8	35158.3
2.5°	192737.5	230295.6	251710.4	263478.6	251710.4	230295.6	192737.5	147883.2	107344.7	70157.4	39759.0
0°	201906.9	236082.1	261827.2	280338.8	261827.2	236082.1	201906.9	154393.6	111755.5	73261.7	41242.4
-2.5°	189495.8	225732.3	244413.1	254820.5	244413.1	225732.3	189495.8	145710.0	106490.1	69617.2	39500.1
-5°	169751.2	203060.7	223433.4	229713.9	223433.4	203060.7	169751.2	133405.3	96875.5	63645.6	35566.2
-7.5°	143883.0	168208.0	183465.3	191158.5	183465.3	168208.0	143883.0	115147.0	82159.2	54024.4	30831.6
-10°	115883.1	134344.6	145724.9	149981.2	145724.9	134344.6	115883.1	90558.9	64854.6	42476.9	23754.4
-12.5°	84877.0	99581.3	108324.2	111697.2	108324.2	99581.3	84877.0	66686.1	47127.4	31406.1	18439.8
-15°	56022.8	66622.4	73347.5	75695.8	73347.5	66622.4	56022.8	43993.8	32157.1	21730.4	12175.6
-17.5°	33955.3	39806.3	44159.7	45257.8	44159.7	39806.3	33955.3	26294.5	19635.1	12784.2	7343.2
-20°	17968.6	20601.5	22071.9	23066.6	22071.9	20601.5	17968.6	13318.0	10068.0	6180.5	4587.3



REPORT NUMBER: P701416 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8518.5	9952.4	10613.2	11117.6	10613.2	9952.4	8518.5	6470.2	4870.4	3907.8	3295.1
-25°	4263.2	4559.8	4688.9	4869.4	4688.9	4559.8	4263.2	3780.8	3228.2	3004.6	2794.6
-27.5°	2990.3	3059.9	3087.3	3109.4	3087.3	3059.9	2990.3	2884.2	2727.3	2635.9	2504.0
-30°	2605.9	2617.3	2615.6	2614.0	2615.6	2617.3	2605.9	2573.3	2509.7	2444.4	2358.4
-32.5°	2439.1	2451.3	2450.4	2448.8	2450.4	2451.3	2439.1	2412.0	2387.0	2336.9	2256.2
-35°	2289.3	2305.1	2312.9	2316.5	2312.9	2305.1	2289.3	2269.7	2239.2	2190.9	2137.8
-37.5°	2212.5	2215.9	2206.9	2196.6	2206.9	2215.9	2212.5	2189.6	2148.6	2076.6	2028.5
-40°	2291.8	2345.5	2399.5	2416.0	2399.5	2345.5	2291.8	2262.2	2202.1	2109.6	1958.5
-42.5°	2351.7	2386.3	2401.9	2396.8	2401.9	2386.3	2351.7	2301.8	2150.1	1986.9	1770.2
-45°	2081.9	2188.9	2252.4	2267.9	2252.4	2188.9	2081.9	1944.1	1735.6	1494.2	1244.8
-47.5°	1415.8	1535.7	1611.3	1635.6	1611.3	1535.7	1415.8	1273.7	1104.4	926.0	758.4
-50°	771.7	786.9	791.8	787.2	791.8	786.9	771.7	755.9	739.6	721.8	701.7
-52.5°	745.3	754.2	760.0	763.5	760.0	754.2	745.3	737.2	728.9	715.5	700.3
-55°	747.3	758.8	765.2	768.0	765.2	758.8	747.3	734.1	718.7	691.8	663.1
-57.5°	695.7	708.7	714.9	717.1	714.9	708.7	695.7	680.9	664.0	636.3	605.9
-60°	633.2	645.5	650.3	651.5	650.3	645.5	633.2	619.6	604.6	580.1	551.4
-62.5°	581.0	595.5	601.7	604.0	601.7	595.5	581.0	565.0	547.8	522.5	493.2
-65°	495.3	507.7	511.9	512.4	511.9	507.7	495.3	480.8	464.4	441.6	413.7
-67.5°	384.7	395.8	399.8	400.4	399.8	395.8	384.7	371.7	357.3	338.9	316.5
-70°	257.8	263.2	265.5	265.8	265.5	263.2	257.8	250.8	242.0	230.1	214.0
-72.5°	148.5	151.7	152.8	152.7	152.8	151.7	148.5	144.1	138.5	131.0	120.8
-75°	75.2	78.3	79.0	79.2	79.0	78.3	75.2	71.8	67.9	63.6	59.3
-77.5°	42.2	44.8	45.1	45.2	45.1	44.8	42.2	39.5	36.8	34.3	32.3
-80°	28.3	29.3	29.4	29.4	29.4	29.3	28.3	27.2	26.1	24.8	23.6
-82.5°	21.3	22.5	22.6	22.6	22.6	22.5	21.3	20.1	18.8	17.6	16.9
-85°	16.1	17.0	17.5	18.1	17.5	17.0	16.1	15.2	14.3	13.4	12.7
-87.5°	12.8	13.6	14.2	14.7	14.2	13.6	12.8	12.0	11.2	10.4	10.0
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.1



REPORT NUMBER: P701416 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	11.3	9.6	7.9	7.9	7.9	7.9	7.9	7.6	7.4	7.1	6.8
87.5°	1.7	1.9	2.2	2.2	2.2	2.3	2.3	2.6	2.9	3.1	3.4
85°	1.7	2.0	2.3	2.3	2.3	2.3	2.3	2.6	2.9	3.1	3.4
82.5°	1.7	2.0	2.3	2.3	2.3	2.3	2.3	2.6	2.9	3.2	3.4
80°	1.7	2.0	2.3	2.5	2.6	2.6	2.6	2.8	3.0	3.2	3.4
77.5°	2.1	2.2	2.4	2.6	2.9	3.2	3.5	3.7	3.8	3.9	4.0
75°	2.7	2.8	3.0	3.4	3.5	3.4	3.5	3.8	4.1	4.3	4.5
72.5°	5.0	5.1	5.4	6.0	6.4	6.8	6.8	6.4	5.8	5.1	4.5
70°	7.2	7.9	9.2	10.7	11.7	12.2	12.4	11.9	10.4	9.1	7.5
67.5°	8.2	9.0	10.7	12.9	14.7	16.2	18.0	19.8	19.8	18.2	13.0
65°	8.1	9.6	11.2	12.6	14.5	17.0	20.9	23.4	25.0	25.7	21.2
62.5°	6.5	7.7	8.5	9.9	11.7	14.7	19.8	23.9	27.4	28.2	23.8
60°	5.4	5.8	6.6	7.4	8.3	11.0	16.4	22.1	28.0	27.2	24.4
57.5°	5.3	5.8	6.1	6.4	6.7	8.8	12.7	18.2	24.3	24.0	22.4
55°	5.6	6.2	6.8	6.9	6.8	7.8	9.5	12.9	17.8	19.3	18.6
52.5°	6.7	7.1	7.7	8.4	8.6	8.3	8.3	10.2	11.7	13.8	14.9
50°	7.9	8.4	8.7	8.8	9.6	9.8	9.5	9.3	10.3	11.1	11.5
47.5°	12.0	11.8	11.0	10.8	11.6	11.5	11.3	11.2	11.8	11.1	11.1
45°	19.4	18.5	16.8	16.5	16.1	15.7	14.5	15.2	15.3	14.5	12.3
42.5°	36.2	30.8	26.5	26.9	24.4	22.9	20.9	20.8	20.4	19.2	17.9
40°	55.2	54.7	49.7	45.4	41.4	34.0	30.6	27.6	26.7	25.1	25.0
37.5°	79.2	78.2	81.0	78.7	69.3	58.8	47.2	38.2	33.5	36.8	36.0
35°	115.1	116.0	123.5	115.6	108.4	103.0	79.6	57.5	49.8	55.4	51.5
32.5°	163.8	198.9	211.6	189.6	180.9	170.8	137.5	95.0	88.6	85.0	75.4
30°	381.5	348.5	347.0	341.5	328.3	284.3	218.8	216.5	177.2	124.1	106.6
27.5°	626.5	541.7	520.4	572.1	531.0	457.8	414.4	411.0	310.6	214.0	149.7
25°	943.7	861.7	782.3	825.5	809.2	678.9	630.2	620.6	536.1	338.1	203.5
22.5°	1311.3	1216.1	1121.8	1085.8	1046.3	906.9	825.3	818.6	783.7	486.2	304.3
20°	1648.8	1537.8	1417.5	1327.7	1217.7	1081.5	990.4	975.4	881.1	653.8	410.2
17.5°	2365.7	1875.3	1702.9	1562.2	1415.1	1246.7	1190.2	1127.0	1000.6	798.2	512.2
15°	3681.8	2599.6	2098.3	1835.4	1676.2	1571.8	1459.5	1324.9	1140.6	912.2	652.3
12.5°	7217.2	3764.3	2581.9	2204.8	2069.7	1924.8	1770.1	1567.5	1317.2	1103.4	865.9
10°	11057.5	5727.1	3427.7	2697.3	2461.7	2283.8	2047.4	1781.9	1525.3	1316.2	1083.0
7.5°	15576.7	8197.5	4302.1	3111.0	2760.7	2520.8	2239.8	1959.4	1707.7	1511.4	1298.7
5°	19002.0	9913.6	4880.2	3406.2	2975.3	2739.8	2423.0	2114.2	1868.3	1691.3	1507.4
2.5°	20436.7	10695.8	5245.3	3670.6	3164.8	2933.2	2596.0	2247.8	1991.5	1805.8	1621.8
0°	21657.3	11446.8	5553.7	3794.9	3317.5	3075.5	2756.5	2365.1	2094.8	1901.4	1718.1
-2.5°	20234.8	10641.5	5260.3	3710.1	3231.6	2963.6	2726.5	2431.6	2151.9	1937.0	1717.2
-5°	17971.6	9195.1	4897.8	3584.0	3150.3	2908.3	2716.1	2481.8	2197.6	1966.5	1690.1
-7.5°	15625.5	7774.2	4460.2	3424.6	3065.9	2876.7	2724.1	2514.6	2237.7	2019.1	1701.4
-10°	11825.3	6213.8	4091.5	3366.6	3051.1	2859.3	2741.2	2528.4	2273.4	2062.7	1678.1
-12.5°	9300.3	4949.4	3720.9	3336.7	3122.3	2929.8	2770.8	2515.8	2307.5	2098.5	1616.4
-15°	6032.5	4208.5	3524.7	3315.5	3183.1	2965.7	2760.6	2463.0	2246.6	2078.2	1513.8
-17.5°	4612.3	3594.2	3257.4	3130.1	3027.4	2931.9	2686.3	2378.0	2117.8	1875.4	1293.6
-20°	3523.5	3206.8	3020.9	2880.0	2757.4	2637.9	2513.7	2216.9	1954.0	1579.8	1070.0





REPORT NUMBER: P701416 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3064.8	2890.4	2753.9	2611.6	2412.7	2309.2	2189.6	1976.3	1754.9	1275.4	853.5
-25°	2707.2	2597.8	2516.1	2363.2	2131.0	1985.4	1911.7	1756.8	1440.3	1006.6	671.5
-27.5°	2452.7	2395.2	2329.4	2182.9	1979.5	1800.0	1689.6	1526.2	1132.3	799.5	628.9
-30°	2284.4	2259.9	2181.7	2047.0	1860.9	1692.7	1513.8	1203.6	892.1	642.1	595.7
-32.5°	2197.9	2131.9	2035.6	1883.4	1729.3	1576.3	1261.7	923.6	677.2	609.5	571.6
-35°	2078.4	1965.8	1827.6	1716.9	1613.5	1312.3	990.2	721.5	612.9	581.3	550.8
-37.5°	1929.4	1765.7	1662.2	1543.7	1291.5	1011.1	747.2	630.9	589.7	560.9	518.6
-40°	1805.8	1646.5	1410.9	1198.4	962.2	722.9	648.1	609.5	576.3	532.2	479.5
-42.5°	1511.0	1276.3	1062.8	850.3	684.8	656.4	625.9	594.2	551.1	493.7	438.2
-45°	1051.6	868.1	704.8	679.9	654.0	631.2	607.9	561.6	507.1	452.1	396.0
-47.5°	714.5	693.7	671.1	650.8	631.3	605.5	561.6	512.2	460.9	409.0	359.6
-50°	684.6	671.5	653.9	627.8	591.6	552.6	508.9	461.8	415.9	371.0	323.9
-52.5°	680.5	649.2	615.3	578.4	539.1	499.3	457.0	417.5	376.6	333.1	289.1
-55°	632.4	598.4	562.3	524.4	485.5	450.0	413.5	375.4	335.8	294.5	257.3
-57.5°	573.8	541.0	507.8	473.3	437.4	401.7	365.8	329.6	295.4	260.4	226.5
-60°	520.4	487.7	455.6	421.1	384.3	348.8	318.6	287.8	256.6	228.0	199.3
-62.5°	463.8	434.7	400.1	364.7	331.9	302.5	274.3	247.1	222.2	196.8	163.3
-65°	385.0	355.9	327.6	300.5	274.9	251.0	227.4	201.3	174.3	148.4	120.0
-67.5°	294.0	271.7	250.7	229.9	207.1	184.3	160.9	138.3	119.0	100.5	78.9
-70°	196.6	178.1	159.9	142.5	127.6	113.8	99.1	84.0	68.5	57.6	47.6
-72.5°	110.1	98.8	87.9	77.6	66.5	59.4	53.5	47.0	39.8	31.9	26.2
-75°	54.7	49.8	45.0	40.9	36.5	31.9	29.3	27.2	25.2	23.4	21.6
-77.5°	30.4	28.4	26.7	25.8	24.7	23.5	22.2	20.9	19.8	18.7	17.6
-80°	22.4	21.2	20.0	19.3	18.7	18.0	17.3	16.4	15.5	14.7	14.1
-82.5°	16.1	15.3	14.5	14.3	14.0	13.7	13.3	12.9	12.5	12.1	11.7
-85°	12.1	11.5	10.9	10.7	10.5	10.3	10.1	9.9	9.7	9.5	9.3
-87.5°	9.7	9.3	8.9	8.6	8.4	8.1	7.9	7.8	7.8	7.7	7.6
-90°	1.1	1.1	1.1	1.4	1.7	2.0	2.3	2.6	2.9	3.1	3.4





REPORT NUMBER: P701416 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	6.5	6.3	6.0	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
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°	3.4	3.4	3.4	3.4	3.7	4.0	4.2	4.3	4.3	4.3	4.4
82.5°	3.4	3.4	3.4	3.4	3.7	4.0	4.2	4.5	4.5	4.5	4.5
80°	3.4	3.4	3.4	3.4	3.7	4.0	4.3	4.5	4.5	4.5	4.5
77.5°	3.8	3.6	3.4	3.5	3.7	4.0	4.3	4.5	4.5	4.5	4.5
75°	4.5	4.3	4.1	3.9	3.9	4.0	4.3	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.5	4.3	4.3	4.4	4.5	4.5	4.5	4.5
70°	6.0	4.8	4.5	4.5	4.5	4.5	4.5	4.6	4.5	4.5	4.5
67.5°	8.6	6.8	5.4	4.6	4.5	4.5	4.5	4.6	4.7	4.5	4.5
65°	15.1	10.2	6.7	5.5	4.8	4.5	4.5	4.8	4.9	4.8	4.5
62.5°	19.5	14.7	10.1	6.9	5.3	4.7	4.5	4.8	5.1	5.0	4.7
60°	21.5	17.0	13.4	9.9	6.7	4.8	4.6	4.9	5.1	5.3	5.0
57.5°	19.9	18.2	15.5	12.4	9.0	5.8	4.7	4.9	5.2	5.5	5.4
55°	17.1	15.9	16.6	14.3	11.0	7.6	5.3	5.0	5.3	5.5	5.7
52.5°	14.2	14.6	15.8	15.5	12.8	9.3	6.7	5.1	5.3	5.6	5.7
50°	11.8	13.9	15.5	15.8	14.3	11.0	8.0	6.0	5.4	5.6	5.7
47.5°	11.4	13.8	15.2	16.4	15.4	12.5	9.2	6.8	5.5	5.7	5.7
45°	13.5	14.6	15.7	16.5	16.4	13.4	10.5	7.4	6.0	5.7	5.7
42.5°	16.6	17.0	17.3	16.9	16.6	14.0	11.5	8.3	6.4	5.8	5.7
40°	22.9	20.6	19.7	19.7	17.5	14.4	11.9	9.2	6.6	6.0	5.8
37.5°	30.1	26.2	23.4	25.0	20.0	15.8	12.1	9.9	7.3	6.5	5.9
35°	42.9	33.6	31.6	32.5	26.7	17.8	12.1	10.3	8.5	7.0	6.1
32.5°	58.3	49.4	47.2	41.4	35.3	20.3	13.3	11.3	9.7	7.5	6.2
30°	86.2	78.7	68.0	51.8	45.2	28.3	16.1	12.4	11.0	8.2	6.5
27.5°	128.7	112.6	94.2	70.4	55.0	37.9	19.7	13.7	12.3	9.0	6.9
25°	173.7	151.6	126.7	94.4	65.8	51.0	23.1	15.3	13.4	10.0	7.4
22.5°	223.8	191.7	162.1	121.5	83.0	66.0	30.0	18.2	14.6	11.0	7.9
20°	274.4	231.9	201.5	151.8	106.5	80.4	41.4	21.0	15.9	12.1	8.4
17.5°	332.0	282.2	247.8	187.6	132.3	96.2	53.6	23.6	17.3	13.1	9.0
15°	447.2	344.3	296.8	226.8	157.1	113.0	66.4	26.1	18.7	14.0	9.4
12.5°	586.8	405.7	348.2	268.4	180.7	130.4	79.3	28.3	20.1	15.0	9.9
10°	740.6	465.9	400.9	311.1	203.1	148.1	92.0	31.8	22.3	16.0	10.2
7.5°	901.4	524.6	453.9	353.8	226.6	171.9	117.6	38.2	24.7	16.9	10.6
5°	1047.8	578.7	507.0	404.6	262.9	201.2	145.5	44.8	27.1	17.7	10.9
2.5°	1122.8	625.6	557.8	453.3	298.0	229.1	172.7	51.4	29.5	18.5	11.1
0°	1177.5	669.6	605.1	497.7	331.4	255.6	197.9	57.7	31.7	19.2	11.3
-2.5°	1159.5	680.8	618.2	518.8	366.7	282.6	218.9	74.5	41.4	24.9	13.9
-5°	1123.9	690.0	628.8	536.2	399.2	307.9	236.5	90.4	50.7	30.3	16.5
-7.5°	1108.2	694.6	635.3	549.8	428.5	331.1	250.2	104.9	59.3	35.3	18.8
-10°	1073.6	695.7	636.5	549.2	430.6	340.4	257.8	117.6	67.1	39.8	20.9
-12.5°	1007.0	695.3	636.9	543.6	425.0	336.5	247.7	125.2	73.9	43.6	22.6
-15°	905.2	693.6	636.9	532.4	415.9	330.7	236.6	129.7	79.2	47.0	24.0
-17.5°	760.5	690.8	637.2	515.5	403.1	322.9	224.9	132.8	83.5	50.2	25.5
-20°	704.7	672.3	633.9	492.6	386.4	313.2	213.3	134.3	86.8	52.5	27.0



REPORT NUMBER: P701416 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	671.2	640.4	584.7	470.6	369.5	301.4	202.3	134.2	89.1	53.9	27.7
-25°	633.7	607.2	533.4	437.0	354.8	284.1	196.2	132.5	90.2	54.4	27.7
-27.5°	596.0	567.4	485.9	403.5	335.1	269.0	193.1	133.1	90.3	53.9	26.8
-30°	558.1	516.3	446.6	373.0	314.3	249.8	188.1	132.4	89.5	52.8	25.1
-32.5°	530.6	471.7	410.1	349.0	291.8	229.7	176.7	130.2	87.3	50.8	24.1
-35°	497.0	435.8	375.7	324.1	268.4	212.8	163.5	126.4	83.7	47.5	23.2
-37.5°	461.8	402.5	347.9	298.3	244.5	194.9	152.5	116.7	78.7	42.9	21.8
-40°	424.3	369.7	320.5	271.9	222.9	176.0	140.6	105.9	72.3	36.9	19.8
-42.5°	385.7	338.1	291.8	245.2	201.3	161.8	127.9	94.2	62.4	32.7	17.4
-45°	349.6	305.3	262.2	220.9	179.9	147.0	113.9	81.7	51.5	29.3	15.5
-47.5°	312.4	272.7	234.3	196.3	162.7	130.9	98.9	69.1	40.4	25.1	14.8
-50°	277.3	242.0	208.0	175.6	145.0	113.2	83.3	56.0	34.4	20.0	14.0
-52.5°	248.2	214.4	184.5	155.7	124.8	94.4	68.2	43.0	27.9	17.4	13.0
-55°	221.0	189.2	162.4	132.9	103.1	76.9	52.7	35.0	21.0	15.9	12.0
-57.5°	195.9	165.5	136.2	107.6	82.1	59.1	40.6	26.5	18.1	14.4	11.4
-60°	168.9	135.8	107.1	83.4	61.3	43.8	30.3	19.8	16.4	13.0	10.7
-62.5°	132.0	103.5	80.0	59.3	44.0	31.6	21.0	17.8	14.6	12.1	9.9
-65°	95.3	72.7	53.1	41.6	30.3	21.7	18.7	15.7	13.4	11.2	9.1
-67.5°	58.8	47.3	36.5	26.3	21.8	19.0	16.4	14.3	12.3	10.2	8.6
-70°	37.6	28.1	23.8	21.2	18.7	16.4	14.8	13.0	11.2	9.6	8.1
-72.5°	24.2	22.0	19.9	17.7	16.3	14.8	13.4	11.9	10.4	9.0	7.6
-75°	19.8	18.3	17.1	15.9	14.6	13.3	12.1	11.1	9.7	8.4	7.2
-77.5°	16.5	15.6	14.8	13.9	12.7	11.8	11.0	10.2	9.0	7.9	6.8
-80°	13.6	13.0	12.3	11.5	10.7	10.2	9.8	9.4	8.3	7.3	6.5
-82.5°	11.1	10.5	10.0	9.6	9.3	9.0	8.8	8.5	7.6	6.8	6.2
-85°	9.0	8.7	8.5	8.2	8.1	7.9	7.7	7.5	6.9	6.4	6.0
-87.5°	7.5	7.3	7.1	7.0	6.9	6.8	6.7	6.6	6.3	6.1	5.9
-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: P701416 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV2-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	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
67.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
65°	4.6	4.5	4.5	4.5	4.5	4.5	4.5
62.5°	4.6	4.6	4.5	4.5	4.5	4.5	4.5
60°	4.7	4.7	4.5	4.5	4.5	4.5	4.5
57.5°	5.0	4.9	4.6	4.5	4.5	4.5	4.5
55°	5.2	5.0	4.7	4.5	4.5	4.5	4.5
52.5°	5.4	5.1	4.9	4.5	4.6	4.5	4.5
50°	5.6	5.3	5.0	4.5	4.6	4.5	4.5
47.5°	5.7	5.4	5.1	4.5	4.6	4.5	4.5
45°	5.7	5.5	5.3	4.6	4.6	4.5	4.5
42.5°	5.7	5.6	5.4	4.7	4.7	4.5	4.5
40°	5.7	5.6	5.5	4.9	4.7	4.5	4.5
37.5°	5.7	5.7	5.6	5.0	4.8	4.5	4.5
35°	5.7	5.7	5.6	5.1	4.8	4.5	4.5
32.5°	5.7	5.7	5.7	5.2	4.9	4.5	4.5
30°	5.8	5.7	5.7	5.3	4.9	4.5	4.5
27.5°	6.0	5.7	5.7	5.4	5.0	4.5	4.5
25°	6.1	5.7	5.7	5.5	5.1	4.5	4.5
22.5°	6.2	5.7	5.7	5.5	5.1	4.5	4.5
20°	6.4	5.8	5.7	5.6	5.2	4.5	4.5
17.5°	6.6	5.9	5.7	5.6	5.3	4.5	4.5
15°	6.8	6.0	5.7	5.7	5.3	4.5	4.5
12.5°	7.0	6.1	5.7	5.7	5.4	4.5	4.5
10°	7.2	6.3	5.7	5.7	5.5	4.5	4.5
7.5°	7.4	6.4	5.7	5.7	5.5	4.5	4.5
5°	7.6	6.5	5.7	5.7	5.6	4.5	4.5
2.5°	7.7	6.7	5.7	5.7	5.6	4.5	4.5
0°	7.9	6.8	5.7	5.7	5.7	4.5	4.5
-2.5°	8.8	7.0	5.8	5.8	5.7	4.5	4.5
-5°	9.7	7.3	5.9	5.8	5.7	4.6	4.5
-7.5°	10.5	7.5	6.0	5.9	5.7	4.6	4.5
-10°	11.2	7.6	6.1	6.0	5.7	4.6	4.5
-12.5°	11.8	7.8	6.2	6.0	5.7	4.6	4.5
-15°	12.3	7.9	6.3	6.1	5.6	4.7	4.5
-17.5°	12.7	8.0	6.4	6.1	5.6	4.7	4.5
-20°	13.0	8.1	6.5	6.2	5.6	4.7	4.5



REPORT NUMBER: P701416 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-2S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	13.5	8.1	6.5	6.2	5.6	4.7	4.5
-25°	13.7	8.2	6.6	6.2	5.6	4.7	4.5
-27.5°	13.6	8.3	6.7	6.2	5.6	4.7	4.5
-30°	13.1	8.4	6.8	6.2	5.5	4.8	4.5
-32.5°	12.4	8.4	6.9	6.2	5.5	4.8	4.5
-35°	12.0	8.3	7.0	6.1	5.5	4.8	4.5
-37.5°	11.9	8.3	7.1	6.1	5.5	4.8	4.5
-40°	11.7	8.3	7.2	6.0	5.5	4.8	4.5
-42.5°	11.4	8.4	7.1	5.9	5.5	4.8	4.5
-45°	10.9	8.4	7.0	5.9	5.5	4.8	4.5
-47.5°	10.4	8.3	6.9	5.8	5.5	4.8	4.5
-50°	10.1	8.1	6.8	5.8	5.5	4.8	4.5
-52.5°	9.8	7.9	6.6	5.8	5.5	4.8	4.5
-55°	9.5	7.7	6.5	5.8	5.5	4.8	4.5
-57.5°	9.0	7.5	6.3	5.8	5.5	4.8	4.5
-60°	8.5	7.2	6.1	5.8	5.5	4.8	4.5
-62.5°	8.1	6.9	6.1	5.8	5.5	4.7	4.5
-65°	7.7	6.6	6.0	5.8	5.4	4.7	4.5
-67.5°	7.2	6.4	5.9	5.7	5.3	4.7	4.5
-70°	6.8	6.2	5.9	5.7	5.3	4.7	4.5
-72.5°	6.5	6.1	5.8	5.6	5.2	4.7	4.5
-75°	6.3	5.9	5.7	5.5	5.1	4.6	4.5
-77.5°	6.0	5.8	5.6	5.4	5.0	4.6	4.5
-80°	5.7	5.7	5.5	5.3	4.9	4.6	4.5
-82.5°	5.7	5.6	5.4	5.1	4.8	4.6	4.5
-85°	5.7	5.5	5.3	5.0	4.7	4.6	4.5
-87.5°	5.7	5.5	5.2	4.9	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

