

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: P701560 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-70-2S-CV2-S**

Issue Date: 8/29/2023

**Test Information**

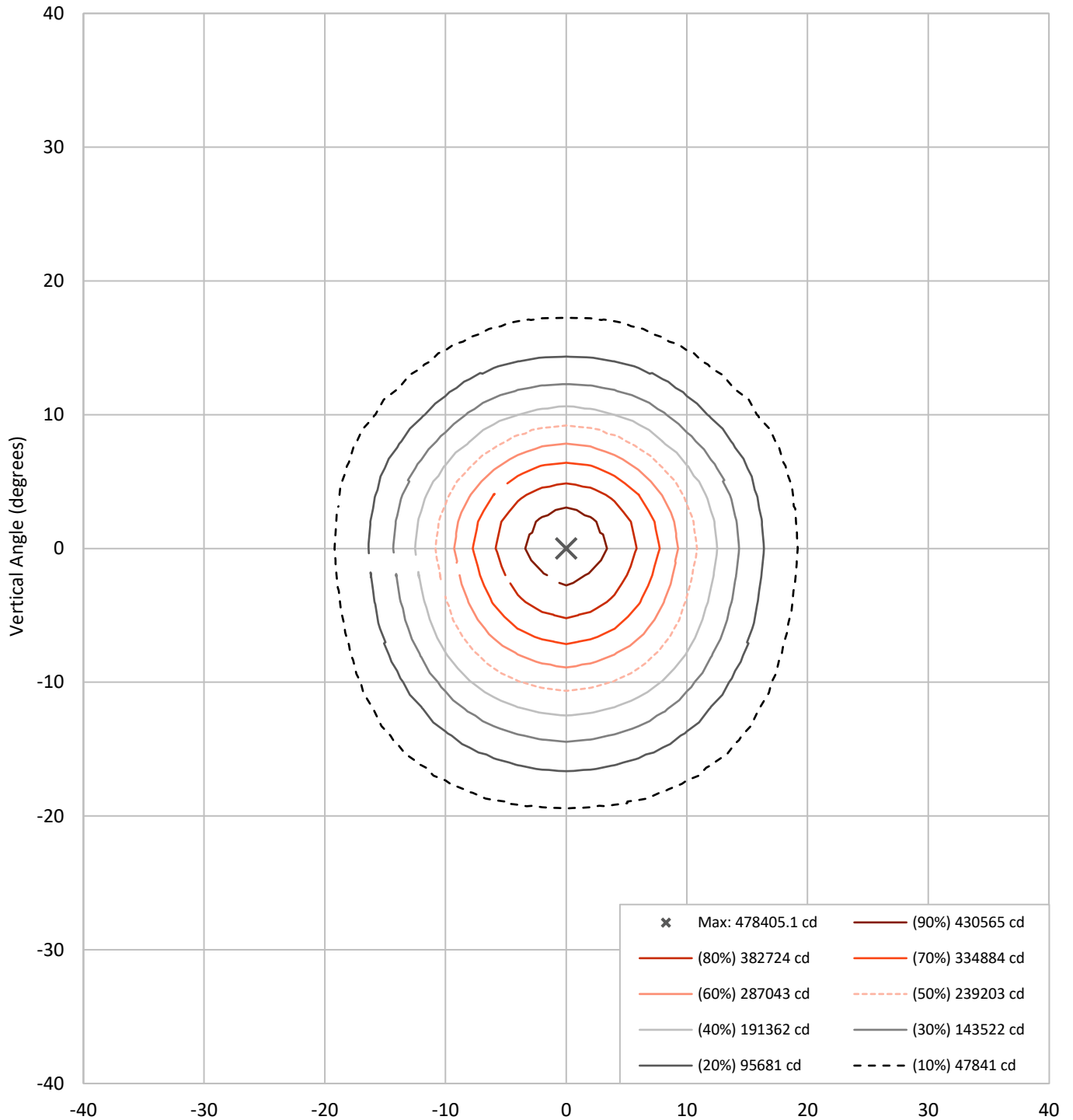
Test Method: LM-79-08  
Report Number: P701560 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0640L-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:	74058.1 lumens	Max Intensity:	478405.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	111.2 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:	34236.4 lumens	Field Lumens:	63867 lumens
Beam Efficiency:	46.2%	Field Efficiency:	86.2%
Input Watts (W):	666.2		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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### Iso-Candela Plot





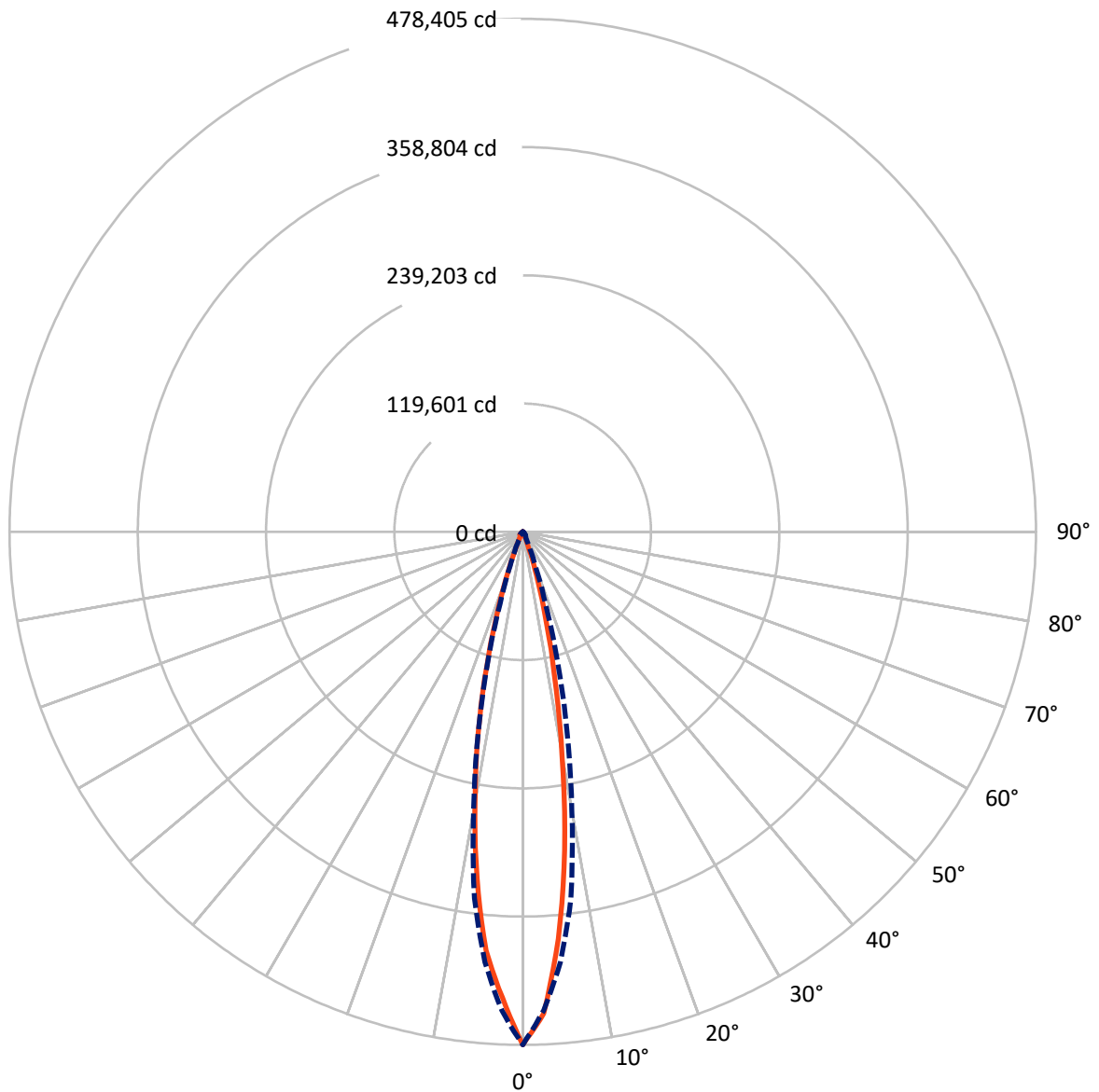
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### Lumen Table

90	0.2		0.4		0.7		0.6		0.7		0.6		0.7		0.4		0.2	
80	0.2		0.1	0.2	0.7	0.8	0.5	0.3	0.3	0.3	0.3	0.5	0.8	0.7	0.2	0.1	0.2	
70	0.2		0.1	0.4	0.7	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.7	0.4	0.1	0.2	
60	0.2		0.2	0.5	0.6	0.7	1.0	1.3	1.5	1.5	1.3	1.0	0.7	0.6	0.5	0.2	0.2	
50	0.2		0.3	1.0	2.0	4.3	6.9	8.4	9.7	9.7	8.4	6.9	4.3	2.0	1.0	0.3	0.2	
40	0.3		0.5	3.0	10.4	27.5	40.4	70.7	155.6	155.6	70.7	40.4	27.5	10.4	3.0	0.5	0.3	
30	0.3		1.0	6.9	26.8	62.9	123.2	765.4	2388.2	2388.2	765.4	123.2	62.9	26.8	6.9	1.0	0.3	
20	0.4		1.9	11.9	49.5	102.8	331.4	3128.0	9317.0	9317.0	3128.0	331.4	102.8	49.5	11.9	1.9	0.4	
10	0.4		3.2	15.5	58.1	115.2	332.6	3315.0	9713.7	9713.7	3315.0	332.6	115.2	58.1	15.5	3.2	0.4	
0	0.6		3.7	15.8	53.7	113.8	190.2	1220.5	3522.5	3522.5	1220.5	190.2	113.8	53.7	15.8	3.7	0.6	
-10	0.6		3.4	13.4	32.1	80.9	119.0	185.8	363.8	363.8	185.8	119.0	80.9	32.1	13.4	3.4	0.6	
-20	0.5		2.8	9.8	20.0	44.8	85.6	110.9	121.9	121.9	110.9	85.6	44.8	20.0	9.8	2.8	0.5	
-30	0.5		1.9	6.7	14.8	25.3	41.9	72.7	98.2	98.2	72.7	41.9	25.3	14.8	6.7	1.9	0.5	
-40	0.3		0.9	4.0	9.6	17.6	26.3	33.7	37.8	37.8	33.7	26.3	17.6	9.6	4.0	0.9	0.3	
-50	0.3		0.4	1.4	4.5	9.3	15.2	21.3	25.0	25.0	21.3	15.2	9.3	4.5	1.4	0.4	0.3	
-60	0.3		0.4	1.4	4.5	9.3	15.2	21.3	25.0	25.0	21.3	15.2	9.3	4.5	1.4	0.4	0.3	
-70	0.3		0.4	1.4	4.5	9.3	15.2	21.3	25.0	25.0	21.3	15.2	9.3	4.5	1.4	0.4	0.3	
-80	0.2		1.1		3.4		8.6		12.5		8.6		3.4		1.1		0.2	
-90	0.2		1.1		3.4		8.6		12.5		8.6		3.4		1.1		0.2	

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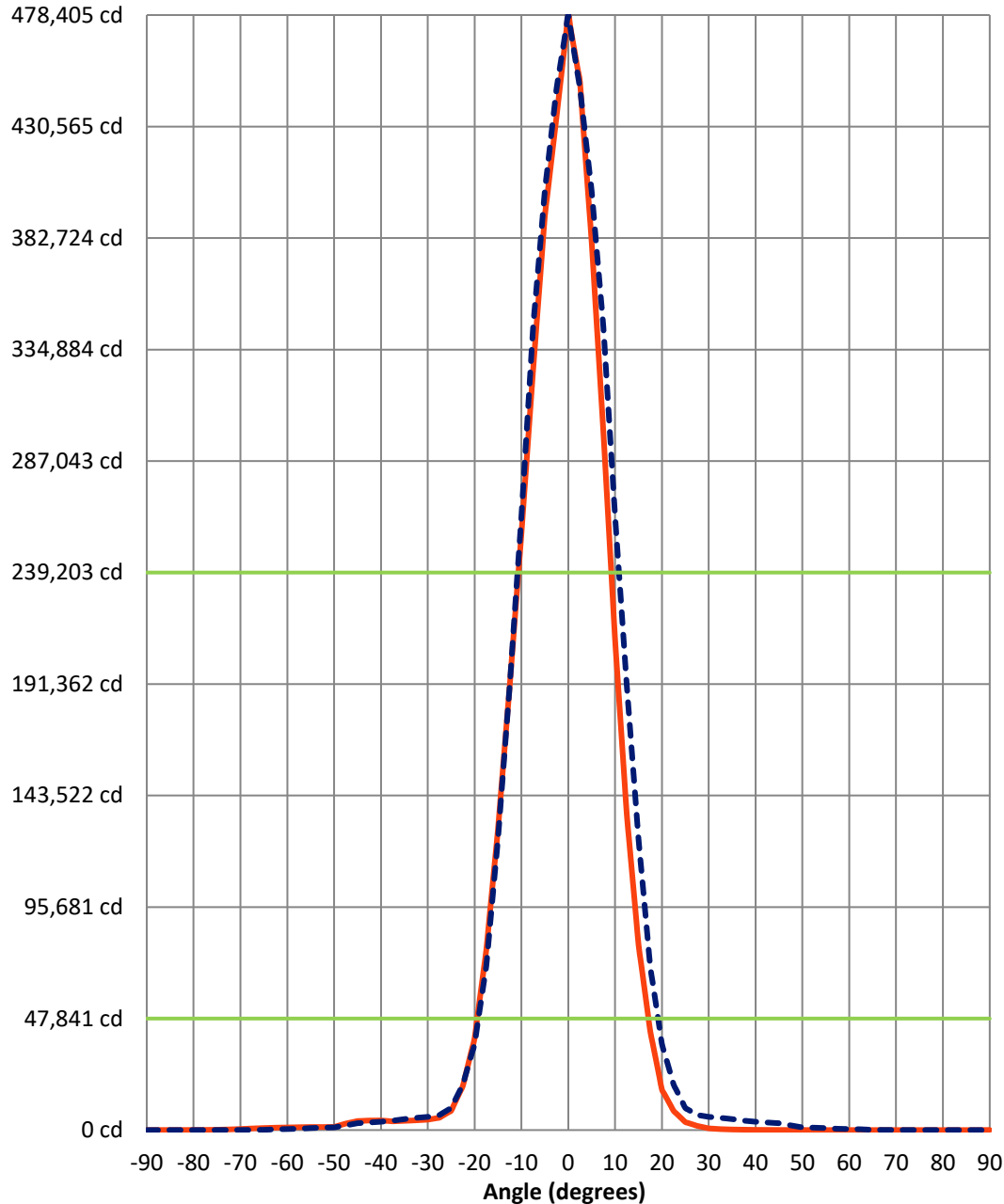
### Luminous Intensity Polar Plot



— 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: 34236.4  
Efficiency: 46.2%

**Field:**  
H Angle: 38.4°  
V Angle: 36.6°  
Lumens: 63867  
Efficiency: 86.2%

**Spill:**  
Lumens: 10191.2  
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°	7.7	7.7	7.7	8.2	8.7	9.2	9.7	9.7	9.7	9.7	9.7
87.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.4	7.1	6.8	6.6
85°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.5	7.4	7.4	7.4
82.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
80°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
77.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
75°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
72.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
70°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.8
67.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.8	7.7	7.7	8.0	7.9
65°	7.7	7.7	7.7	7.7	7.7	7.8	7.8	7.7	8.1	8.3	8.1
62.5°	7.7	7.7	7.7	7.7	7.7	7.9	7.9	8.1	8.6	8.7	8.2
60°	7.7	7.7	7.7	7.7	7.7	8.1	8.1	8.6	9.1	8.8	8.3
57.5°	7.7	7.7	7.7	7.7	7.9	8.3	8.5	9.1	9.3	8.8	8.4
55°	7.7	7.7	7.8	7.7	8.1	8.5	8.8	9.6	9.4	9.0	8.5
52.5°	7.7	7.7	7.8	7.7	8.3	8.7	9.2	9.7	9.5	9.1	8.6
50°	7.7	7.7	7.8	7.7	8.5	9.0	9.5	9.7	9.6	9.2	10.2
47.5°	7.7	7.7	7.9	7.7	8.8	9.2	9.7	9.7	9.7	9.3	11.6
45°	7.7	7.7	7.9	7.9	9.0	9.3	9.7	9.7	9.8	10.2	12.7
42.5°	7.7	7.7	8.0	8.1	9.2	9.5	9.7	9.8	9.9	10.8	14.2
40°	7.7	7.7	8.1	8.3	9.4	9.6	9.7	9.9	10.2	11.3	15.7
37.5°	7.7	7.7	8.2	8.6	9.5	9.7	9.7	10.1	11.0	12.5	16.9
35°	7.7	7.7	8.2	8.8	9.6	9.7	9.7	10.3	11.9	14.5	17.6
32.5°	7.7	7.7	8.3	8.9	9.6	9.7	9.8	10.6	12.9	16.6	19.2
30°	7.7	7.7	8.4	9.1	9.7	9.7	10.0	11.0	13.9	18.7	21.2
27.5°	7.7	7.7	8.5	9.2	9.7	9.7	10.2	11.8	15.3	20.9	23.5
25°	7.7	7.7	8.6	9.3	9.7	9.7	10.4	12.7	17.1	23.0	26.1
22.5°	7.7	7.7	8.7	9.4	9.7	9.7	10.6	13.5	18.8	25.0	31.1
20°	7.7	7.7	8.9	9.5	9.7	9.9	10.9	14.4	20.6	27.2	35.9
17.5°	7.7	7.7	9.0	9.6	9.7	10.0	11.2	15.3	22.3	29.5	40.3
15°	7.7	7.7	9.1	9.6	9.7	10.2	11.6	16.1	24.0	31.9	44.5
12.5°	7.7	7.7	9.2	9.7	9.7	10.5	12.0	16.8	25.6	34.3	48.3
10°	7.7	7.7	9.3	9.7	9.7	10.7	12.3	17.5	27.3	38.1	54.2
7.5°	7.7	7.7	9.4	9.7	9.7	10.9	12.6	18.0	28.8	42.1	65.1
5°	7.7	7.7	9.5	9.7	9.7	11.2	12.9	18.5	30.3	46.3	76.4
2.5°	7.7	7.7	9.6	9.7	9.7	11.4	13.2	19.0	31.6	50.2	87.7
0°	7.7	7.7	9.7	9.7	9.7	11.6	13.5	19.3	32.8	54.0	98.4
-2.5°	7.7	7.7	9.7	9.8	9.9	12.0	15.0	23.8	42.5	70.5	127.1
-5°	7.7	7.8	9.7	9.9	10.0	12.4	16.5	28.1	51.7	86.4	154.2
-7.5°	7.7	7.8	9.7	10.1	10.2	12.7	17.9	32.1	60.3	101.1	178.9
-10°	7.7	7.9	9.6	10.2	10.4	13.1	19.1	35.6	67.9	114.5	200.7
-12.5°	7.7	7.9	9.6	10.3	10.5	13.3	20.2	38.6	74.4	126.0	213.7
-15°	7.7	8.0	9.6	10.4	10.7	13.6	21.0	40.9	80.2	135.1	221.4
-17.5°	7.7	8.0	9.6	10.4	10.9	13.7	21.6	43.6	85.6	142.5	226.6
-20°	7.7	8.0	9.5	10.5	11.0	13.8	22.3	46.0	89.6	148.2	229.2



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 CATALOG NUMBER: EPH-LS-08-0640L-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°	7.7	8.1	9.5	10.5	11.2	13.8	23.0	47.3	92.0	152.1	229.0
-25°	7.7	8.1	9.5	10.6	11.3	14.0	23.4	47.2	92.9	154.0	226.1
-27.5°	7.7	8.1	9.5	10.6	11.5	14.2	23.2	45.7	92.0	154.1	227.2
-30°	7.7	8.1	9.4	10.6	11.6	14.3	22.4	42.7	90.2	152.7	226.0
-32.5°	7.7	8.2	9.4	10.5	11.8	14.3	21.1	41.2	86.7	149.0	222.2
-35°	7.7	8.2	9.4	10.4	12.0	14.2	20.6	39.6	81.0	142.8	215.6
-37.5°	7.7	8.2	9.4	10.4	12.1	14.1	20.4	37.2	73.1	134.3	199.1
-40°	7.7	8.2	9.4	10.2	12.2	14.3	20.0	33.9	62.9	123.3	180.8
-42.5°	7.7	8.2	9.4	10.1	12.2	14.3	19.4	29.7	55.8	106.3	160.8
-45°	7.7	8.2	9.4	10.0	12.0	14.3	18.7	26.4	49.9	87.9	139.4
-47.5°	7.7	8.2	9.4	9.9	11.8	14.1	17.7	25.3	42.9	68.8	117.9
-50°	7.7	8.2	9.4	9.8	11.6	13.9	17.3	23.9	34.1	58.7	95.5
-52.5°	7.7	8.2	9.4	9.9	11.3	13.6	16.8	22.3	29.7	47.7	73.3
-55°	7.7	8.2	9.4	9.9	11.0	13.2	16.2	20.6	27.2	35.9	59.7
-57.5°	7.7	8.2	9.4	9.9	10.7	12.8	15.4	19.5	24.7	30.9	45.2
-60°	7.7	8.1	9.4	9.8	10.4	12.3	14.6	18.2	22.3	27.9	33.8
-62.5°	7.7	8.1	9.3	9.8	10.3	11.8	13.9	16.9	20.8	24.9	30.4
-65°	7.7	8.1	9.2	9.8	10.2	11.2	13.2	15.6	19.2	22.8	26.9
-67.5°	7.7	8.1	9.1	9.8	10.1	10.8	12.4	14.8	17.5	21.0	24.4
-70°	7.7	8.0	9.0	9.7	10.0	10.6	11.5	13.8	16.5	19.1	22.3
-72.5°	7.7	8.0	8.8	9.5	9.9	10.3	11.1	12.9	15.4	17.8	20.3
-75°	7.7	7.9	8.7	9.4	9.7	10.1	10.7	12.2	14.3	16.6	18.9
-77.5°	7.7	7.9	8.5	9.2	9.6	9.8	10.2	11.6	13.4	15.3	17.5
-80°	7.7	7.9	8.4	9.0	9.4	9.6	9.8	11.0	12.5	14.2	16.0
-82.5°	7.7	7.8	8.2	8.8	9.2	9.5	9.7	10.5	11.6	13.0	14.5
-85°	7.7	7.8	8.0	8.6	9.0	9.4	9.7	10.3	11.0	11.9	12.9
-87.5°	7.7	7.7	7.9	8.4	8.9	9.3	9.7	10.0	10.3	10.8	11.3
-90°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.2	6.8	6.3	5.8





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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°	9.7	9.7	9.7	9.7	10.2	10.7	11.1	11.6	12.1	12.6	13.0
87.5°	6.5	6.3	6.1	5.8	5.8	5.8	5.8	5.8	5.3	4.9	4.4
85°	7.1	6.8	6.3	5.8	5.8	5.8	5.8	5.8	5.3	4.9	4.4
82.5°	7.3	6.8	6.3	5.8	5.8	5.8	5.8	5.8	5.4	4.9	4.4
80°	7.3	6.8	6.4	5.9	5.8	5.8	5.8	5.8	5.4	5.0	4.8
77.5°	7.3	6.9	6.4	5.9	5.9	6.2	6.5	6.8	6.7	6.5	6.3
75°	7.4	6.9	6.7	6.7	7.0	7.4	7.7	7.7	7.4	6.9	6.5
72.5°	7.5	7.3	7.4	7.7	7.7	7.7	7.7	7.7	8.7	9.9	10.9
70°	7.6	7.7	7.7	7.7	7.7	8.2	10.2	12.9	15.6	17.7	20.3
67.5°	7.7	7.7	7.7	7.9	9.3	11.5	14.6	22.3	31.1	33.8	33.8
65°	7.7	7.7	8.2	9.5	11.4	17.4	25.7	36.1	43.9	42.7	39.9
62.5°	7.7	8.0	9.0	11.9	17.3	25.1	33.2	40.7	48.1	46.9	40.8
60°	7.8	8.2	11.4	16.9	22.8	29.0	36.7	41.6	46.5	47.8	37.7
57.5°	8.0	10.0	15.4	21.1	26.5	31.0	33.9	38.2	41.0	41.5	31.1
55°	9.0	13.0	18.8	24.5	28.3	27.1	29.2	31.8	32.9	30.4	22.0
52.5°	11.5	15.9	21.8	26.5	27.0	24.9	24.3	25.5	23.6	20.1	17.4
50°	13.6	18.7	24.4	27.0	26.4	23.7	20.2	19.7	19.0	17.6	16.0
47.5°	15.8	21.3	26.2	28.0	26.0	23.5	19.5	18.9	19.0	20.1	19.1
45°	17.8	22.9	27.9	28.2	26.8	24.8	23.0	21.0	24.8	26.1	25.9
42.5°	19.7	23.9	28.3	28.8	29.4	29.0	28.4	30.5	32.8	34.8	35.5
40°	20.4	24.6	29.8	33.5	33.6	35.1	39.1	42.7	42.9	45.5	47.0
37.5°	20.6	26.9	34.1	42.5	40.0	44.7	51.4	61.4	62.8	57.0	65.1
35°	20.6	30.3	45.5	55.4	54.0	57.3	73.1	87.9	94.5	85.0	98.1
32.5°	22.6	34.7	60.2	70.7	80.5	84.2	99.5	128.7	145.0	151.1	162.0
30°	27.5	48.2	77.1	88.5	116.0	134.3	147.1	181.9	211.8	302.3	369.5
27.5°	33.6	64.8	94.0	120.1	160.7	192.2	219.7	255.5	365.2	530.0	701.4
25°	39.4	87.0	112.4	161.2	216.1	258.7	296.4	347.3	576.9	914.9	1059.2
22.5°	51.2	112.6	141.7	207.3	276.6	327.1	381.9	519.4	829.6	1337.5	1396.9
20°	70.7	137.2	181.8	259.0	343.7	395.7	468.3	700.1	1115.7	1503.7	1664.6
17.5°	91.5	164.1	225.8	320.1	422.8	481.6	566.6	874.1	1362.2	1707.6	1923.3
15°	113.2	192.8	268.1	387.1	506.5	587.6	763.2	1113.1	1556.8	1946.5	2261.0
12.5°	135.3	222.5	308.4	458.0	594.1	692.3	1001.5	1477.7	1883.0	2247.9	2674.9
10°	157.1	252.7	346.5	530.9	684.1	795.1	1263.9	1848.1	2246.1	2602.9	3040.8
7.5°	200.7	293.3	386.8	603.7	774.6	895.3	1538.2	2216.3	2579.2	2914.1	3343.7
5°	248.3	343.3	448.7	690.4	865.2	987.6	1788.1	2572.3	2886.3	3188.3	3608.0
2.5°	294.7	390.9	508.6	773.5	951.9	1067.6	1916.0	2767.7	3081.6	3398.5	3836.1
0°	337.8	436.2	565.6	849.3	1032.7	1142.7	2009.4	2932.1	3244.8	3574.8	4036.2
-2.5°	373.7	482.3	625.7	885.3	1055.1	1161.9	1978.7	2930.5	3305.7	3672.3	4149.6
-5°	403.6	525.3	681.2	915.0	1073.1	1177.6	1917.9	2884.2	3355.9	3750.3	4235.2
-7.5°	427.1	565.0	731.1	938.2	1084.2	1185.4	1891.2	2903.5	3445.7	3818.8	4291.1
-10°	439.9	580.8	734.8	937.3	1086.2	1187.2	1832.2	2863.7	3520.1	3879.7	4314.8
-12.5°	422.8	574.2	725.2	927.6	1086.8	1186.5	1718.5	2758.5	3581.1	3937.8	4293.2
-15°	403.8	564.3	709.7	908.6	1087.0	1183.7	1544.8	2583.4	3546.5	3833.9	4203.3
-17.5°	383.9	551.1	687.8	879.7	1087.4	1179.0	1297.9	2207.6	3200.5	3614.1	4058.1
-20°	364.1	534.4	659.4	840.5	1081.7	1147.4	1202.6	1826.0	2696.0	3334.6	3783.3



REPORT NUMBER: P701560 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-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°	345.1	514.4	630.5	803.0	997.8	1092.9	1145.4	1456.6	2176.6	2994.9	3372.7
-25°	334.8	484.8	605.5	745.6	910.3	1036.2	1081.4	1145.9	1717.8	2457.9	2998.0
-27.5°	329.6	459.1	571.9	688.6	829.3	968.2	1017.1	1073.2	1364.3	1932.4	2604.4
-30°	321.0	426.2	536.4	636.5	762.2	881.1	952.4	1016.7	1095.7	1522.5	2054.1
-32.5°	301.6	392.0	498.0	595.5	699.8	805.1	905.5	975.6	1040.1	1155.7	1576.2
-35°	279.0	363.1	458.0	553.0	641.1	743.8	848.2	939.9	992.1	1045.9	1231.3
-37.5°	260.2	332.5	417.2	508.9	593.7	686.8	788.1	885.1	957.2	1006.3	1076.6
-40°	240.0	300.3	380.3	463.9	546.9	630.9	724.1	818.4	908.3	983.5	1040.2
-42.5°	218.2	276.2	343.5	418.4	497.9	576.9	658.2	747.9	842.5	940.5	1014.0
-45°	194.3	250.8	306.9	376.9	447.3	520.9	596.5	675.8	771.5	865.4	958.5
-47.5°	168.7	223.5	277.6	334.9	399.8	465.4	533.1	613.7	698.0	786.6	874.0
-50°	142.0	193.2	247.4	299.7	354.9	413.0	473.2	552.6	633.0	709.7	788.1
-52.5°	116.4	161.0	213.0	265.8	314.7	365.8	423.6	493.3	568.4	642.6	712.5
-55°	89.9	131.2	175.9	226.8	277.1	322.8	377.2	439.1	502.5	572.9	640.7
-57.5°	69.4	100.9	140.1	183.6	232.4	282.5	334.3	386.5	444.3	504.0	562.4
-60°	51.7	74.7	104.7	142.2	182.7	231.7	288.3	340.0	389.1	437.9	491.2
-62.5°	35.8	53.9	75.1	101.2	136.4	176.6	225.2	278.7	335.8	379.1	421.7
-65°	32.0	37.0	51.7	71.1	90.7	124.1	162.6	204.8	253.2	297.4	343.5
-67.5°	28.0	32.4	37.2	44.8	62.3	80.7	100.4	134.7	171.4	203.1	236.0
-70°	25.3	28.0	31.9	36.2	40.6	48.1	64.2	81.4	98.4	116.9	143.3
-72.5°	22.9	25.4	27.8	30.2	33.9	37.6	41.2	44.7	54.5	67.9	80.2
-75°	20.7	22.7	24.9	27.1	29.1	31.2	33.7	36.9	39.9	43.0	46.4
-77.5°	18.7	20.1	21.8	23.8	25.3	26.6	28.1	30.0	31.9	33.8	35.6
-80°	16.8	17.4	18.3	19.6	20.9	22.1	23.2	24.0	25.1	26.5	28.1
-82.5°	15.0	15.4	15.9	16.3	17.1	17.9	18.9	19.9	20.6	21.3	22.0
-85°	13.2	13.5	13.8	14.1	14.4	14.9	15.4	15.9	16.2	16.6	16.9
-87.5°	11.5	11.6	11.7	11.9	12.2	12.5	12.7	12.9	13.1	13.3	13.4
-90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.3	4.9	4.4

REPORT NUMBER: P701560 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0640L-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°	13.5	13.5	13.5	13.5	13.5	16.4	19.3	22.2	25.1	29.4	33.8
87.5°	3.9	3.8	3.8	3.7	3.7	3.3	2.8	2.4	1.9	1.4	1.0
85°	3.9	3.9	3.9	3.9	3.9	3.4	2.9	2.4	1.9	1.9	1.9
82.5°	3.9	3.9	3.9	3.9	3.9	3.4	2.9	2.4	1.9	1.9	1.9
80°	4.5	4.5	4.4	4.2	3.9	3.5	3.0	2.5	1.9	1.9	1.9
77.5°	5.9	5.4	5.0	4.5	4.0	3.7	3.6	3.6	3.6	3.3	2.9
75°	6.0	5.8	6.0	5.7	5.0	4.7	4.6	4.3	4.0	3.8	3.8
72.5°	11.6	11.7	10.9	10.3	9.3	8.7	8.5	7.9	7.1	6.7	6.5
70°	21.2	20.8	20.0	18.3	15.7	13.5	12.2	11.0	9.7	9.2	9.3
67.5°	30.8	27.6	25.1	22.0	18.2	15.4	14.0	12.3	10.5	9.7	9.7
65°	35.7	29.1	24.8	21.5	19.1	16.3	13.8	11.5	9.4	8.4	8.7
62.5°	33.8	25.2	19.9	16.8	14.6	13.1	11.1	9.6	8.3	7.8	7.8
60°	28.0	18.7	14.1	12.6	11.2	9.8	9.2	8.3	7.3	6.5	6.7
57.5°	21.8	15.0	11.5	11.0	10.4	9.9	9.1	8.2	7.5	7.1	7.4
55°	16.2	13.4	11.7	11.8	11.5	10.6	9.6	9.4	9.2	9.0	9.2
52.5°	14.2	14.1	14.6	14.4	13.1	12.1	11.5	11.5	11.7	12.0	12.5
50°	16.2	16.7	16.4	15.1	14.8	14.4	13.5	14.3	15.4	15.9	16.3
47.5°	19.3	19.6	19.8	18.5	18.8	20.2	20.5	21.1	23.3	24.9	26.4
45°	24.8	26.8	27.4	28.2	28.7	31.6	33.1	33.8	39.9	42.7	43.1
42.5°	35.6	38.9	41.6	45.8	45.2	52.5	61.8	66.8	66.4	64.5	64.4
40°	52.2	57.9	70.7	77.5	84.9	93.2	94.1	83.8	83.9	94.4	93.8
37.5°	80.5	100.3	118.4	134.2	138.2	133.4	135.2	143.0	152.4	153.2	157.8
35°	135.8	175.8	185.1	197.3	210.8	198.1	196.5	209.1	204.8	226.5	242.1
32.5°	234.8	291.6	308.8	323.6	361.1	339.4	279.5	366.7	347.2	371.5	408.4
30°	373.5	485.1	560.3	582.8	592.2	594.7	651.1	701.1	740.6	793.4	868.2
27.5°	707.2	781.3	906.2	976.3	888.1	924.5	1069.1	1095.4	1244.4	1406.3	1539.3
25°	1075.5	1158.6	1380.9	1408.8	1335.1	1470.5	1610.4	1639.4	1902.2	2093.0	2549.7
22.5°	1408.4	1547.7	1785.5	1853.1	1914.4	2075.3	2237.8	2431.7	3023.8	3758.1	5090.5
20°	1690.2	1845.6	2078.1	2265.8	2419.1	2624.3	2813.7	3475.5	4750.9	7540.4	10574.6
17.5°	2031.2	2127.5	2414.9	2665.9	2906.1	3200.2	4037.2	5708.7	9400.9	15479.0	21239.7
15°	2490.8	2682.2	2860.5	3132.2	3580.8	4436.3	6283.0	11727.9	19452.2	30053.9	43185.5
12.5°	3020.6	3284.7	3532.0	3762.5	4406.0	6423.8	12316.4	21758.5	34743.2	51773.7	77545.4
10°	3493.9	3897.3	4200.9	4603.0	5849.5	9773.5	18869.9	32218.5	55035.2	85126.6	118758.8
7.5°	3822.3	4301.8	4711.2	5309.0	7341.7	13989.3	26582.0	47369.6	79802.8	120349.0	165717.9
5°	4134.9	4675.5	5077.4	5812.8	8328.3	16917.9	32427.4	59998.6	104044.7	157620.8	215869.9
2.5°	4430.2	5005.5	5400.7	6264.1	8951.2	18252.7	34875.8	67849.7	119725.3	183186.3	252366.2
0°	4704.0	5248.4	5661.5	6476.0	9477.6	19534.2	36958.7	70381.1	125022.9	190713.5	263476.5
-2.5°	4652.9	5057.5	5514.9	6331.4	8976.8	18160.0	34531.3	67407.8	118803.4	181728.0	248657.6
-5°	4635.1	4963.2	5376.1	6116.2	8358.3	15691.6	30669.0	60694.7	108612.8	165320.4	227659.4
-7.5°	4648.8	4909.3	5232.1	5844.2	7611.4	13267.0	26665.4	52614.8	92193.9	140206.7	196501.2
-10°	4677.9	4879.5	5206.7	5745.1	6982.2	10604.0	20180.2	40537.4	72487.9	110675.9	154541.0
-12.5°	4728.4	4999.9	5328.4	5694.2	6349.8	8446.2	15871.1	31468.0	53595.3	80424.1	113801.5
-15°	4711.1	5061.1	5432.1	5658.1	6015.1	7181.9	10294.6	20778.0	37083.4	54876.8	75076.4
-17.5°	4584.2	5003.3	5166.3	5341.7	5558.8	6133.6	7871.0	12531.4	21816.5	33507.7	44872.2
-20°	4289.6	4501.7	4705.6	4914.8	5155.3	5472.5	6012.9	7828.4	10547.2	17181.4	22727.5



REPORT NUMBER: P701560 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-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°	3736.7	3940.8	4117.5	4456.8	4699.6	4932.6	5230.2	5623.1	6668.8	8311.5	11041.5
-25°	3262.3	3388.1	3636.7	4032.9	4293.8	4433.3	4620.0	4769.0	5127.5	5509.0	6451.9
-27.5°	2883.3	3071.7	3378.0	3725.1	3975.2	4087.4	4185.5	4273.2	4498.3	4654.2	4922.0
-30°	2583.4	2888.6	3175.6	3493.1	3723.1	3856.5	3898.3	4024.7	4171.5	4282.9	4391.3
-32.5°	2153.1	2690.0	2951.1	3214.0	3473.8	3638.1	3750.7	3850.3	3988.0	4073.5	4116.2
-35°	1689.8	2239.5	2753.5	2929.9	3118.7	3354.7	3546.8	3648.1	3738.7	3821.2	3873.2
-37.5°	1275.2	1725.5	2204.1	2634.4	2836.6	3013.1	3292.5	3461.7	3543.8	3666.7	3736.6
-40°	1105.9	1233.7	1642.0	2045.0	2407.7	2809.8	3081.5	3342.3	3600.1	3758.0	3860.6
-42.5°	1068.0	1120.2	1168.6	1451.1	1813.7	2178.0	2578.6	3020.8	3390.7	3669.3	3928.1
-45°	1037.4	1077.1	1116.0	1160.3	1202.8	1481.5	1794.6	2124.3	2549.9	2961.9	3317.7
-47.5°	958.3	1033.4	1077.4	1110.6	1145.3	1183.9	1219.4	1294.2	1580.4	1884.7	2173.7
-50°	868.4	943.0	1009.7	1071.4	1116.0	1145.9	1168.2	1197.5	1231.7	1262.1	1290.0
-52.5°	780.0	852.2	920.0	987.1	1050.0	1107.9	1161.4	1195.1	1221.1	1243.8	1258.0
-55°	705.6	767.9	828.7	895.0	959.6	1021.2	1079.4	1131.6	1180.7	1226.6	1252.9
-57.5°	624.2	685.5	746.3	807.6	866.6	923.2	979.3	1034.0	1085.8	1133.2	1161.9
-60°	543.7	595.2	655.7	718.6	777.4	832.2	888.0	940.9	990.1	1031.7	1057.4
-62.5°	468.1	516.2	566.4	622.3	682.9	741.9	791.6	841.7	891.8	934.9	964.3
-65°	388.0	428.3	469.0	512.8	559.1	607.4	657.1	706.0	753.7	792.6	820.6
-67.5°	274.5	314.5	353.4	392.4	427.9	463.6	501.7	540.1	578.3	609.7	634.4
-70°	169.2	194.3	217.8	243.1	272.8	303.9	335.6	365.2	392.7	413.0	428.0
-72.5°	91.3	101.4	113.5	132.4	150.0	168.6	187.8	206.2	223.5	236.3	245.9
-75°	50.0	54.5	62.4	69.8	76.7	84.9	93.3	101.2	108.5	115.8	122.4
-77.5°	37.9	40.2	42.2	44.0	45.6	48.5	51.8	55.2	58.5	62.8	67.4
-80°	29.5	30.7	31.9	33.0	34.2	36.2	38.3	40.4	42.4	44.5	46.4
-82.5°	22.8	23.4	23.9	24.4	24.8	26.1	27.5	28.8	30.1	32.2	34.3
-85°	17.2	17.6	18.0	18.3	18.6	19.6	20.6	21.7	22.8	24.3	25.9
-87.5°	13.5	13.9	14.3	14.8	15.2	15.9	16.6	17.1	17.7	19.1	20.5
-90°	3.9	3.4	2.9	2.4	1.9	1.9	1.9	1.9	1.9	1.4	1.0

REPORT NUMBER: P701560 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-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°	38.1	42.5	45.4	48.3	45.4	42.5	38.1	33.8	29.4	25.1	22.2
87.5°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.4	1.9	2.4
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.5
77.5°	2.4	1.9	1.9	1.9	1.9	1.9	2.4	2.9	3.3	3.6	3.6
75°	3.8	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	4.0	4.3
72.5°	6.2	5.8	5.8	5.8	5.8	5.8	6.2	6.5	6.7	7.1	7.9
70°	9.5	9.6	9.7	9.7	9.7	9.6	9.5	9.3	9.2	9.7	11.0
67.5°	9.7	9.7	8.8	7.7	8.8	9.7	9.7	9.7	9.7	10.5	12.3
65°	9.1	9.6	8.8	7.7	8.8	9.6	9.1	8.7	8.4	9.4	11.5
62.5°	7.8	7.8	7.7	7.7	7.7	7.8	7.8	7.8	7.8	8.3	9.6
60°	7.1	7.6	7.7	7.7	7.7	7.6	7.1	6.7	6.5	7.3	8.3
57.5°	7.6	7.7	8.5	9.7	8.5	7.7	7.6	7.4	7.1	7.5	8.2
55°	9.4	9.6	9.7	9.7	9.7	9.6	9.4	9.2	9.0	9.2	9.4
52.5°	12.9	13.2	13.4	13.5	13.4	13.2	12.9	12.5	12.0	11.7	11.5
50°	16.8	17.1	16.6	15.4	16.6	17.1	16.8	16.3	15.9	15.4	14.3
47.5°	27.7	28.4	28.1	27.0	28.1	28.4	27.7	26.4	24.9	23.3	21.1
45°	44.2	44.2	44.1	44.4	44.1	44.2	44.2	43.1	42.7	39.9	33.8
42.5°	66.1	66.8	67.0	67.6	67.0	66.8	66.1	64.4	64.5	66.4	66.8
40°	95.6	96.1	94.9	92.7	94.9	96.1	95.6	93.8	94.4	83.9	83.8
37.5°	165.9	169.6	168.6	166.0	168.6	169.6	165.9	157.8	153.2	152.4	143.0
35°	247.7	245.4	238.9	239.4	238.9	245.4	247.7	242.1	226.5	204.8	209.1
32.5°	386.9	400.7	405.0	407.3	405.0	400.7	386.9	408.4	371.5	347.2	366.7
30°	920.9	893.1	769.5	731.6	769.5	893.1	920.9	868.2	793.4	740.6	701.1
27.5°	1635.9	1724.1	1804.8	1812.5	1804.8	1724.1	1635.9	1539.3	1406.3	1244.4	1095.4
25°	3021.2	3318.0	3443.1	3426.2	3443.1	3318.0	3021.2	2549.7	2093.0	1902.2	1639.4
22.5°	6665.9	7678.8	8206.6	8224.8	8206.6	7678.8	6665.9	5090.5	3758.1	3023.8	2431.7
20°	14544.8	16989.4	17606.7	17422.5	17606.7	16989.4	14544.8	10574.6	7540.4	4750.9	3475.5
17.5°	29989.9	37221.6	42158.7	42498.5	42158.7	37221.6	29989.9	21239.7	15479.0	9400.9	5708.7
15°	58369.5	71662.7	78556.3	79727.4	78556.3	71662.7	58369.5	43185.5	30053.9	19452.2	11727.9
12.5°	101967.0	122200.3	133458.0	135384.5	133458.0	122200.3	101967.0	77545.4	51773.7	34743.2	21758.5
10°	155532.0	183752.5	202102.0	210384.7	202102.0	183752.5	155532.0	118758.8	85126.6	55035.2	32218.5
7.5°	210493.8	254953.0	291261.2	299493.2	291261.2	254953.0	210493.8	165717.9	120349.0	79802.8	47369.6
5°	278488.9	338101.8	372969.2	381021.6	372969.2	338101.8	278488.9	215869.9	157620.8	104044.7	59998.6
2.5°	328911.1	393005.1	429550.0	449632.7	429550.0	393005.1	328911.1	252366.2	183186.3	119725.3	67849.7
0°	344559.0	402879.8	446814.5	478405.1	446814.5	402879.8	344559.0	263476.5	190713.5	125022.9	70381.1
-2.5°	323379.2	385217.7	417097.0	434857.4	417097.0	385217.7	323379.2	248657.6	181728.0	118803.4	67407.8
-5°	289684.6	346528.0	381294.6	392012.5	381294.6	346528.0	289684.6	227659.4	165320.4	108612.8	60694.7
-7.5°	245539.9	287051.1	313088.0	326216.7	313088.0	287051.1	245539.9	196501.2	140206.7	92193.9	52614.8
-10°	197757.3	229262.3	248683.1	255946.6	248683.1	229262.3	197757.3	154541.0	110675.9	72487.9	40537.4
-12.5°	144844.7	169937.8	184857.9	190614.0	184857.9	169937.8	144844.7	113801.5	80424.1	53595.3	31468.0
-15°	95604.2	113692.7	125169.3	129176.8	125169.3	113692.7	95604.2	75076.4	54876.8	37083.4	20778.0
-17.5°	57945.5	67930.4	75359.6	77233.5	75359.6	67930.4	57945.5	44872.2	33507.7	21816.5	12531.4
-20°	30663.8	35157.0	37666.3	39363.8	37666.3	35157.0	30663.8	22727.5	17181.4	10547.2	7828.4

REPORT NUMBER: P701560 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-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°	14537.0	16983.9	18111.7	18972.5	18111.7	16983.9	14537.0	11041.5	8311.5	6668.8	5623.1
-25°	7275.2	7781.3	8001.7	8309.8	8001.7	7781.3	7275.2	6451.9	5509.0	5127.5	4769.0
-27.5°	5103.0	5221.7	5268.5	5306.3	5268.5	5221.7	5103.0	4922.0	4654.2	4498.3	4273.2
-30°	4447.0	4466.5	4463.6	4460.8	4463.6	4466.5	4447.0	4391.3	4282.9	4171.5	4024.7
-32.5°	4162.4	4183.2	4181.7	4179.0	4181.7	4183.2	4162.4	4116.2	4073.5	3988.0	3850.3
-35°	3906.6	3933.7	3947.1	3953.2	3947.1	3933.7	3906.6	3873.2	3821.2	3738.7	3648.1
-37.5°	3775.6	3781.4	3766.0	3748.6	3766.0	3781.4	3775.6	3736.6	3666.7	3543.8	3461.7
-40°	3911.0	4002.7	4094.8	4123.0	4094.8	4002.7	3911.0	3860.6	3758.0	3600.1	3342.3
-42.5°	4013.3	4072.2	4098.8	4090.2	4098.8	4072.2	4013.3	3928.1	3669.3	3390.7	3020.8
-45°	3552.8	3735.5	3843.7	3870.2	3843.7	3735.5	3552.8	3317.7	2961.9	2549.9	2124.3
-47.5°	2416.1	2620.8	2749.6	2791.2	2749.6	2620.8	2416.1	2173.7	1884.7	1580.4	1294.2
-50°	1317.0	1342.8	1351.3	1343.5	1351.3	1342.8	1317.0	1290.0	1262.1	1231.7	1197.5
-52.5°	1271.9	1287.2	1297.0	1302.9	1297.0	1287.2	1271.9	1258.0	1243.8	1221.1	1195.1
-55°	1275.4	1295.0	1305.8	1310.6	1305.8	1295.0	1275.4	1252.9	1226.6	1180.7	1131.6
-57.5°	1187.2	1209.3	1219.9	1223.8	1219.9	1209.3	1187.2	1161.9	1133.2	1085.8	1034.0
-60°	1080.6	1101.6	1109.7	1111.8	1109.7	1101.6	1080.6	1057.4	1031.7	990.1	940.9
-62.5°	991.6	1016.3	1026.9	1030.8	1026.9	1016.3	991.6	964.3	934.9	891.8	841.7
-65°	845.2	866.4	873.5	874.4	873.5	866.4	845.2	820.6	792.6	753.7	706.0
-67.5°	656.5	675.5	682.3	683.3	682.3	675.5	656.5	634.4	609.7	578.3	540.1
-70°	440.1	449.2	453.1	453.6	453.1	449.2	440.1	428.0	413.0	392.7	365.2
-72.5°	253.4	258.9	260.7	260.6	260.7	258.9	253.4	245.9	236.3	223.5	206.2
-75°	128.3	133.5	134.8	135.1	134.8	133.5	128.3	122.4	115.8	108.5	101.2
-77.5°	72.0	76.5	77.1	77.2	77.1	76.5	72.0	67.4	62.8	58.5	55.2
-80°	48.3	50.0	50.2	50.2	50.2	50.0	48.3	46.4	44.5	42.4	40.4
-82.5°	36.4	38.5	38.6	38.6	38.6	38.5	36.4	34.3	32.2	30.1	28.8
-85°	27.4	28.9	29.9	30.9	29.9	28.9	27.4	25.9	24.3	22.8	21.7
-87.5°	21.9	23.3	24.2	25.1	24.2	23.3	21.9	20.5	19.1	17.7	17.1
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.4	1.9	1.9



REPORT NUMBER: P701560 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0640L-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°	19.3	16.4	13.5	13.5	13.5	13.5	13.5	13.0	12.6	12.1	11.6
87.5°	2.8	3.3	3.7	3.7	3.8	3.8	3.9	4.4	4.9	5.3	5.8
85°	2.9	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.3	5.8
82.5°	2.9	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.4	5.8
80°	3.0	3.5	3.9	4.2	4.4	4.5	4.5	4.8	5.0	5.4	5.8
77.5°	3.6	3.7	4.0	4.5	5.0	5.4	5.9	6.3	6.5	6.7	6.8
75°	4.6	4.7	5.0	5.7	6.0	5.8	6.0	6.5	6.9	7.4	7.7
72.5°	8.5	8.7	9.3	10.3	10.9	11.7	11.6	10.9	9.9	8.7	7.7
70°	12.2	13.5	15.7	18.3	20.0	20.8	21.2	20.3	17.7	15.6	12.9
67.5°	14.0	15.4	18.2	22.0	25.1	27.6	30.8	33.8	33.8	31.1	22.3
65°	13.8	16.3	19.1	21.5	24.8	29.1	35.7	39.9	42.7	43.9	36.1
62.5°	11.1	13.1	14.6	16.8	19.9	25.2	33.8	40.8	46.9	48.1	40.7
60°	9.2	9.8	11.2	12.6	14.1	18.7	28.0	37.7	47.8	46.5	41.6
57.5°	9.1	9.9	10.4	11.0	11.5	15.0	21.8	31.1	41.5	41.0	38.2
55°	9.6	10.6	11.5	11.8	11.7	13.4	16.2	22.0	30.4	32.9	31.8
52.5°	11.5	12.1	13.1	14.4	14.6	14.1	14.2	17.4	20.1	23.6	25.5
50°	13.5	14.4	14.8	15.1	16.4	16.7	16.2	16.0	17.6	19.0	19.7
47.5°	20.5	20.2	18.8	18.5	19.8	19.6	19.3	19.1	20.1	19.0	18.9
45°	33.1	31.6	28.7	28.2	27.4	26.8	24.8	25.9	26.1	24.8	21.0
42.5°	61.8	52.5	45.2	45.8	41.6	38.9	35.6	35.5	34.8	32.8	30.5
40°	94.1	93.2	84.9	77.5	70.7	57.9	52.2	47.0	45.5	42.9	42.7
37.5°	135.2	133.4	138.2	134.2	118.4	100.3	80.5	65.1	57.0	62.8	61.4
35°	196.5	198.1	210.8	197.3	185.1	175.8	135.8	98.1	85.0	94.5	87.9
32.5°	279.5	339.4	361.1	323.6	308.8	291.6	234.8	162.0	151.1	145.0	128.7
30°	651.1	594.7	592.2	582.8	560.3	485.1	373.5	369.5	302.3	211.8	181.9
27.5°	1069.1	924.5	888.1	976.3	906.2	781.3	707.2	701.4	530.0	365.2	255.5
25°	1610.4	1470.5	1335.1	1408.8	1380.9	1158.6	1075.5	1059.2	914.9	576.9	347.3
22.5°	2237.8	2075.3	1914.4	1853.1	1785.5	1547.7	1408.4	1396.9	1337.5	829.6	519.4
20°	2813.7	2624.3	2419.1	2265.8	2078.1	1845.6	1690.2	1664.6	1503.7	1115.7	700.1
17.5°	4037.2	3200.2	2906.1	2665.9	2414.9	2127.5	2031.2	1923.3	1707.6	1362.2	874.1
15°	6283.0	4436.3	3580.8	3132.2	2860.5	2682.2	2490.8	2261.0	1946.5	1556.8	1113.1
12.5°	12316.4	6423.8	4406.0	3762.5	3532.0	3284.7	3020.6	2674.9	2247.9	1883.0	1477.7
10°	18869.9	9773.5	5849.5	4603.0	4200.9	3897.3	3493.9	3040.8	2602.9	2246.1	1848.1
7.5°	26582.0	13989.3	7341.7	5309.0	4711.2	4301.8	3822.3	3343.7	2914.1	2579.2	2216.3
5°	32427.4	16917.9	8328.3	5812.8	5077.4	4675.5	4134.9	3608.0	3188.3	2886.3	2572.3
2.5°	34875.8	18252.7	8951.2	6264.1	5400.7	5005.5	4430.2	3836.1	3398.5	3081.6	2767.7
0°	36958.7	19534.2	9477.6	6476.0	5661.5	5248.4	4704.0	4036.2	3574.8	3244.8	2932.1
-2.5°	34531.3	18160.0	8976.8	6331.4	5514.9	5057.5	4652.9	4149.6	3672.3	3305.7	2930.5
-5°	30669.0	15691.6	8358.3	6116.2	5376.1	4963.2	4635.1	4235.2	3750.3	3355.9	2884.2
-7.5°	26665.4	13267.0	7611.4	5844.2	5232.1	4909.3	4648.8	4291.1	3818.8	3445.7	2903.5
-10°	20180.2	10604.0	6982.2	5745.1	5206.7	4879.5	4677.9	4314.8	3879.7	3520.1	2863.7
-12.5°	15871.1	8446.2	6349.8	5694.2	5328.4	4999.9	4728.4	4293.2	3937.8	3581.1	2758.5
-15°	10294.6	7181.9	6015.1	5658.1	5432.1	5061.1	4711.1	4203.3	3833.9	3546.5	2583.4
-17.5°	7871.0	6133.6	5558.8	5341.7	5166.3	5003.3	4584.2	4058.1	3614.1	3200.5	2207.6
-20°	6012.9	5472.5	5155.3	4914.8	4705.6	4501.7	4289.6	3783.3	3334.6	2696.0	1826.0



REPORT NUMBER: P701560 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-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°	5230.2	4932.6	4699.6	4456.8	4117.5	3940.8	3736.7	3372.7	2994.9	2176.6	1456.6
-25°	4620.0	4433.3	4293.8	4032.9	3636.7	3388.1	3262.3	2998.0	2457.9	1717.8	1145.9
-27.5°	4185.5	4087.4	3975.2	3725.1	3378.0	3071.7	2883.3	2604.4	1932.4	1364.3	1073.2
-30°	3898.3	3856.5	3723.1	3493.1	3175.6	2888.6	2583.4	2054.1	1522.5	1095.7	1016.7
-32.5°	3750.7	3638.1	3473.8	3214.0	2951.1	2690.0	2153.1	1576.2	1155.7	1040.1	975.6
-35°	3546.8	3354.7	3118.7	2929.9	2753.5	2239.5	1689.8	1231.3	1045.9	992.1	939.9
-37.5°	3292.5	3013.1	2836.6	2634.4	2204.1	1725.5	1275.2	1076.6	1006.3	957.2	885.1
-40°	3081.5	2809.8	2407.7	2045.0	1642.0	1233.7	1105.9	1040.2	983.5	908.3	818.4
-42.5°	2578.6	2178.0	1813.7	1451.1	1168.6	1120.2	1068.0	1014.0	940.5	842.5	747.9
-45°	1794.6	1481.5	1202.8	1160.3	1116.0	1077.1	1037.4	958.5	865.4	771.5	675.8
-47.5°	1219.4	1183.9	1145.3	1110.6	1077.4	1033.4	958.3	874.0	786.6	698.0	613.7
-50°	1168.2	1145.9	1116.0	1071.4	1009.7	943.0	868.4	788.1	709.7	633.0	552.6
-52.5°	1161.4	1107.9	1050.0	987.1	920.0	852.2	780.0	712.5	642.6	568.4	493.3
-55°	1079.4	1021.2	959.6	895.0	828.7	767.9	705.6	640.7	572.9	502.5	439.1
-57.5°	979.3	923.2	866.6	807.6	746.3	685.5	624.2	562.4	504.0	444.3	386.5
-60°	888.0	832.2	777.4	718.6	655.7	595.2	543.7	491.2	437.9	389.1	340.0
-62.5°	791.6	741.9	682.9	622.3	566.4	516.2	468.1	421.7	379.1	335.8	278.7
-65°	657.1	607.4	559.1	512.8	469.0	428.3	388.0	343.5	297.4	253.2	204.8
-67.5°	501.7	463.6	427.9	392.4	353.4	314.5	274.5	236.0	203.1	171.4	134.7
-70°	335.6	303.9	272.8	243.1	217.8	194.3	169.2	143.3	116.9	98.4	81.4
-72.5°	187.8	168.6	150.0	132.4	113.5	101.4	91.3	80.2	67.9	54.5	44.7
-75°	93.3	84.9	76.7	69.8	62.4	54.5	50.0	46.4	43.0	39.9	36.9
-77.5°	51.8	48.5	45.6	44.0	42.2	40.2	37.9	35.6	33.8	31.9	30.0
-80°	38.3	36.2	34.2	33.0	31.9	30.7	29.5	28.1	26.5	25.1	24.0
-82.5°	27.5	26.1	24.8	24.4	23.9	23.4	22.8	22.0	21.3	20.6	19.9
-85°	20.6	19.6	18.6	18.3	18.0	17.6	17.2	16.9	16.6	16.2	15.9
-87.5°	16.6	15.9	15.2	14.8	14.3	13.9	13.5	13.4	13.3	13.1	12.9
-90°	1.9	1.9	1.9	2.4	2.9	3.4	3.9	4.4	4.9	5.3	5.8





REPORT NUMBER: P701560 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-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°	11.1	10.7	10.2	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
87.5°	5.8	5.8	5.8	5.8	6.1	6.3	6.5	6.6	6.8	7.1	7.4
85°	5.8	5.8	5.8	5.8	6.3	6.8	7.1	7.4	7.4	7.4	7.5
82.5°	5.8	5.8	5.8	5.8	6.3	6.8	7.3	7.7	7.7	7.7	7.7
80°	5.8	5.8	5.8	5.9	6.4	6.8	7.3	7.7	7.7	7.7	7.7
77.5°	6.5	6.2	5.9	5.9	6.4	6.9	7.3	7.7	7.7	7.7	7.7
75°	7.7	7.4	7.0	6.7	6.7	6.9	7.4	7.7	7.7	7.7	7.7
72.5°	7.7	7.7	7.7	7.7	7.4	7.3	7.5	7.7	7.7	7.7	7.7
70°	10.2	8.2	7.7	7.7	7.7	7.7	7.6	7.8	7.7	7.7	7.7
67.5°	14.6	11.5	9.3	7.9	7.7	7.7	7.7	7.9	8.0	7.7	7.7
65°	25.7	17.4	11.4	9.5	8.2	7.7	7.7	8.1	8.3	8.1	7.7
62.5°	33.2	25.1	17.3	11.9	9.0	8.0	7.7	8.2	8.7	8.6	8.1
60°	36.7	29.0	22.8	16.9	11.4	8.2	7.8	8.3	8.8	9.1	8.6
57.5°	33.9	31.0	26.5	21.1	15.4	10.0	8.0	8.4	8.8	9.3	9.1
55°	29.2	27.1	28.3	24.5	18.8	13.0	9.0	8.5	9.0	9.4	9.6
52.5°	24.3	24.9	27.0	26.5	21.8	15.9	11.5	8.6	9.1	9.5	9.7
50°	20.2	23.7	26.4	27.0	24.4	18.7	13.6	10.2	9.2	9.6	9.7
47.5°	19.5	23.5	26.0	28.0	26.2	21.3	15.8	11.6	9.3	9.7	9.7
45°	23.0	24.8	26.8	28.2	27.9	22.9	17.8	12.7	10.2	9.8	9.7
42.5°	28.4	29.0	29.4	28.8	28.3	23.9	19.7	14.2	10.8	9.9	9.8
40°	39.1	35.1	33.6	33.5	29.8	24.6	20.4	15.7	11.3	10.2	9.9
37.5°	51.4	44.7	40.0	42.5	34.1	26.9	20.6	16.9	12.5	11.0	10.1
35°	73.1	57.3	54.0	55.4	45.5	30.3	20.6	17.6	14.5	11.9	10.3
32.5°	99.5	84.2	80.5	70.7	60.2	34.7	22.6	19.2	16.6	12.9	10.6
30°	147.1	134.3	116.0	88.5	77.1	48.2	27.5	21.2	18.7	13.9	11.0
27.5°	219.7	192.2	160.7	120.1	94.0	64.8	33.6	23.5	20.9	15.3	11.8
25°	296.4	258.7	216.1	161.2	112.4	87.0	39.4	26.1	23.0	17.1	12.7
22.5°	381.9	327.1	276.6	207.3	141.7	112.6	51.2	31.1	25.0	18.8	13.5
20°	468.3	395.7	343.7	259.0	181.8	137.2	70.7	35.9	27.2	20.6	14.4
17.5°	566.6	481.6	422.8	320.1	225.8	164.1	91.5	40.3	29.5	22.3	15.3
15°	763.2	587.6	506.5	387.1	268.1	192.8	113.2	44.5	31.9	24.0	16.1
12.5°	1001.5	692.3	594.1	458.0	308.4	222.5	135.3	48.3	34.3	25.6	16.8
10°	1263.9	795.1	684.1	530.9	346.5	252.7	157.1	54.2	38.1	27.3	17.5
7.5°	1538.2	895.3	774.6	603.7	386.8	293.3	200.7	65.1	42.1	28.8	18.0
5°	1788.1	987.6	865.2	690.4	448.7	343.3	248.3	76.4	46.3	30.3	18.5
2.5°	1916.0	1067.6	951.9	773.5	508.6	390.9	294.7	87.7	50.2	31.6	19.0
0°	2009.4	1142.7	1032.7	849.3	565.6	436.2	337.8	98.4	54.0	32.8	19.3
-2.5°	1978.7	1161.9	1055.1	885.3	625.7	482.3	373.7	127.1	70.5	42.5	23.8
-5°	1917.9	1177.6	1073.1	915.0	681.2	525.3	403.6	154.2	86.4	51.7	28.1
-7.5°	1891.2	1185.4	1084.2	938.2	731.1	565.0	427.1	178.9	101.1	60.3	32.1
-10°	1832.2	1187.2	1086.2	937.3	734.8	580.8	439.9	200.7	114.5	67.9	35.6
-12.5°	1718.5	1186.5	1086.8	927.6	725.2	574.2	422.8	213.7	126.0	74.4	38.6
-15°	1544.8	1183.7	1087.0	908.6	709.7	564.3	403.8	221.4	135.1	80.2	40.9
-17.5°	1297.9	1179.0	1087.4	879.7	687.8	551.1	383.9	226.6	142.5	85.6	43.6
-20°	1202.6	1147.4	1081.7	840.5	659.4	534.4	364.1	229.2	148.2	89.6	46.0



REPORT NUMBER: P701560 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-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°	1145.4	1092.9	997.8	803.0	630.5	514.4	345.1	229.0	152.1	92.0	47.3
-25°	1081.4	1036.2	910.3	745.6	605.5	484.8	334.8	226.1	154.0	92.9	47.2
-27.5°	1017.1	968.2	829.3	688.6	571.9	459.1	329.6	227.2	154.1	92.0	45.7
-30°	952.4	881.1	762.2	636.5	536.4	426.2	321.0	226.0	152.7	90.2	42.7
-32.5°	905.5	805.1	699.8	595.5	498.0	392.0	301.6	222.2	149.0	86.7	41.2
-35°	848.2	743.8	641.1	553.0	458.0	363.1	279.0	215.6	142.8	81.0	39.6
-37.5°	788.1	686.8	593.7	508.9	417.2	332.5	260.2	199.1	134.3	73.1	37.2
-40°	724.1	630.9	546.9	463.9	380.3	300.3	240.0	180.8	123.3	62.9	33.9
-42.5°	658.2	576.9	497.9	418.4	343.5	276.2	218.2	160.8	106.3	55.8	29.7
-45°	596.5	520.9	447.3	376.9	306.9	250.8	194.3	139.4	87.9	49.9	26.4
-47.5°	533.1	465.4	399.8	334.9	277.6	223.5	168.7	117.9	68.8	42.9	25.3
-50°	473.2	413.0	354.9	299.7	247.4	193.2	142.0	95.5	58.7	34.1	23.9
-52.5°	423.6	365.8	314.7	265.8	213.0	161.0	116.4	73.3	47.7	29.7	22.3
-55°	377.2	322.8	277.1	226.8	175.9	131.2	89.9	59.7	35.9	27.2	20.6
-57.5°	334.3	282.5	232.4	183.6	140.1	100.9	69.4	45.2	30.9	24.7	19.5
-60°	288.3	231.7	182.7	142.2	104.7	74.7	51.7	33.8	27.9	22.3	18.2
-62.5°	225.2	176.6	136.4	101.2	75.1	53.9	35.8	30.4	24.9	20.8	16.9
-65°	162.6	124.1	90.7	71.1	51.7	37.0	32.0	26.9	22.8	19.2	15.6
-67.5°	100.4	80.7	62.3	44.8	37.2	32.4	28.0	24.4	21.0	17.5	14.8
-70°	64.2	48.1	40.6	36.2	31.9	28.0	25.3	22.3	19.1	16.5	13.8
-72.5°	41.2	37.6	33.9	30.2	27.8	25.4	22.9	20.3	17.8	15.4	12.9
-75°	33.7	31.2	29.1	27.1	24.9	22.7	20.7	18.9	16.6	14.3	12.2
-77.5°	28.1	26.6	25.3	23.8	21.8	20.1	18.7	17.5	15.3	13.4	11.6
-80°	23.2	22.1	20.9	19.6	18.3	17.4	16.8	16.0	14.2	12.5	11.0
-82.5°	18.9	17.9	17.1	16.3	15.9	15.4	15.0	14.5	13.0	11.6	10.5
-85°	15.4	14.9	14.4	14.1	13.8	13.5	13.2	12.9	11.9	11.0	10.3
-87.5°	12.7	12.5	12.2	11.9	11.7	11.6	11.5	11.3	10.8	10.3	10.0
-90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.3	6.8	7.2



REPORT NUMBER: P701560 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.7	9.2	8.7	8.2	7.7	7.7	7.7
87.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
85°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
82.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
80°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
77.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
75°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
72.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
70°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
67.5°	7.8	7.7	7.7	7.7	7.7	7.7	7.7
65°	7.8	7.8	7.7	7.7	7.7	7.7	7.7
62.5°	7.9	7.9	7.7	7.7	7.7	7.7	7.7
60°	8.1	8.1	7.7	7.7	7.7	7.7	7.7
57.5°	8.5	8.3	7.9	7.7	7.7	7.7	7.7
55°	8.8	8.5	8.1	7.7	7.8	7.7	7.7
52.5°	9.2	8.7	8.3	7.7	7.8	7.7	7.7
50°	9.5	9.0	8.5	7.7	7.8	7.7	7.7
47.5°	9.7	9.2	8.8	7.7	7.9	7.7	7.7
45°	9.7	9.3	9.0	7.9	7.9	7.7	7.7
42.5°	9.7	9.5	9.2	8.1	8.0	7.7	7.7
40°	9.7	9.6	9.4	8.3	8.1	7.7	7.7
37.5°	9.7	9.7	9.5	8.6	8.2	7.7	7.7
35°	9.7	9.7	9.6	8.8	8.2	7.7	7.7
32.5°	9.8	9.7	9.6	8.9	8.3	7.7	7.7
30°	10.0	9.7	9.7	9.1	8.4	7.7	7.7
27.5°	10.2	9.7	9.7	9.2	8.5	7.7	7.7
25°	10.4	9.7	9.7	9.3	8.6	7.7	7.7
22.5°	10.6	9.7	9.7	9.4	8.7	7.7	7.7
20°	10.9	9.9	9.7	9.5	8.9	7.7	7.7
17.5°	11.2	10.0	9.7	9.6	9.0	7.7	7.7
15°	11.6	10.2	9.7	9.6	9.1	7.7	7.7
12.5°	12.0	10.5	9.7	9.7	9.2	7.7	7.7
10°	12.3	10.7	9.7	9.7	9.3	7.7	7.7
7.5°	12.6	10.9	9.7	9.7	9.4	7.7	7.7
5°	12.9	11.2	9.7	9.7	9.5	7.7	7.7
2.5°	13.2	11.4	9.7	9.7	9.6	7.7	7.7
0°	13.5	11.6	9.7	9.7	9.7	7.7	7.7
-2.5°	15.0	12.0	9.9	9.8	9.7	7.7	7.7
-5°	16.5	12.4	10.0	9.9	9.7	7.8	7.7
-7.5°	17.9	12.7	10.2	10.1	9.7	7.8	7.7
-10°	19.1	13.1	10.4	10.2	9.6	7.9	7.7
-12.5°	20.2	13.3	10.5	10.3	9.6	7.9	7.7
-15°	21.0	13.6	10.7	10.4	9.6	8.0	7.7
-17.5°	21.6	13.7	10.9	10.4	9.6	8.0	7.7
-20°	22.3	13.8	11.0	10.5	9.5	8.0	7.7



REPORT NUMBER: P701560 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	23.0	13.8	11.2	10.5	9.5	8.1	7.7
-25°	23.4	14.0	11.3	10.6	9.5	8.1	7.7
-27.5°	23.2	14.2	11.5	10.6	9.5	8.1	7.7
-30°	22.4	14.3	11.6	10.6	9.4	8.1	7.7
-32.5°	21.1	14.3	11.8	10.5	9.4	8.2	7.7
-35°	20.6	14.2	12.0	10.4	9.4	8.2	7.7
-37.5°	20.4	14.1	12.1	10.4	9.4	8.2	7.7
-40°	20.0	14.3	12.2	10.2	9.4	8.2	7.7
-42.5°	19.4	14.3	12.2	10.1	9.4	8.2	7.7
-45°	18.7	14.3	12.0	10.0	9.4	8.2	7.7
-47.5°	17.7	14.1	11.8	9.9	9.4	8.2	7.7
-50°	17.3	13.9	11.6	9.8	9.4	8.2	7.7
-52.5°	16.8	13.6	11.3	9.9	9.4	8.2	7.7
-55°	16.2	13.2	11.0	9.9	9.4	8.2	7.7
-57.5°	15.4	12.8	10.7	9.9	9.4	8.2	7.7
-60°	14.6	12.3	10.4	9.8	9.4	8.1	7.7
-62.5°	13.9	11.8	10.3	9.8	9.3	8.1	7.7
-65°	13.2	11.2	10.2	9.8	9.2	8.1	7.7
-67.5°	12.4	10.8	10.1	9.8	9.1	8.1	7.7
-70°	11.5	10.6	10.0	9.7	9.0	8.0	7.7
-72.5°	11.1	10.3	9.9	9.5	8.8	8.0	7.7
-75°	10.7	10.1	9.7	9.4	8.7	7.9	7.7
-77.5°	10.2	9.8	9.6	9.2	8.5	7.9	7.7
-80°	9.8	9.6	9.4	9.0	8.4	7.9	7.7
-82.5°	9.7	9.5	9.2	8.8	8.2	7.8	7.7
-85°	9.7	9.4	9.0	8.6	8.0	7.8	7.7
-87.5°	9.7	9.3	8.9	8.4	7.9	7.7	7.7
-90°	7.7	7.7	7.7	7.7	7.7	7.7	7.7

(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

