

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: P701589 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-80-3S-CV5-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701589 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0640L-57-80-3S-CV5-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

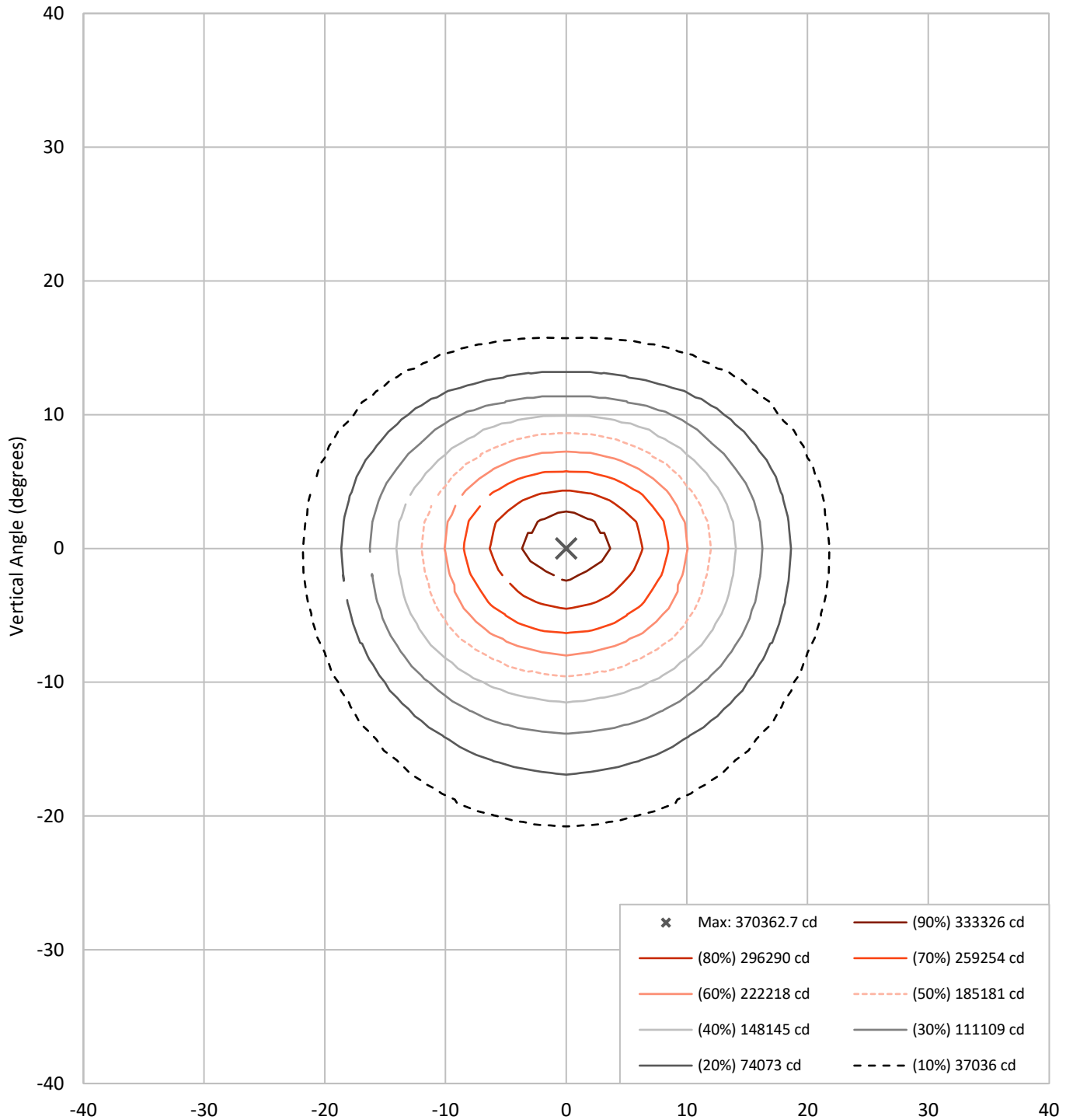
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	61915.5 lumens	Max Intensity:	370362.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	94.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	26486 lumens	Field Lumens:	52912.9 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%

Input Watts (W): 658  
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

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### Iso-Candela Plot





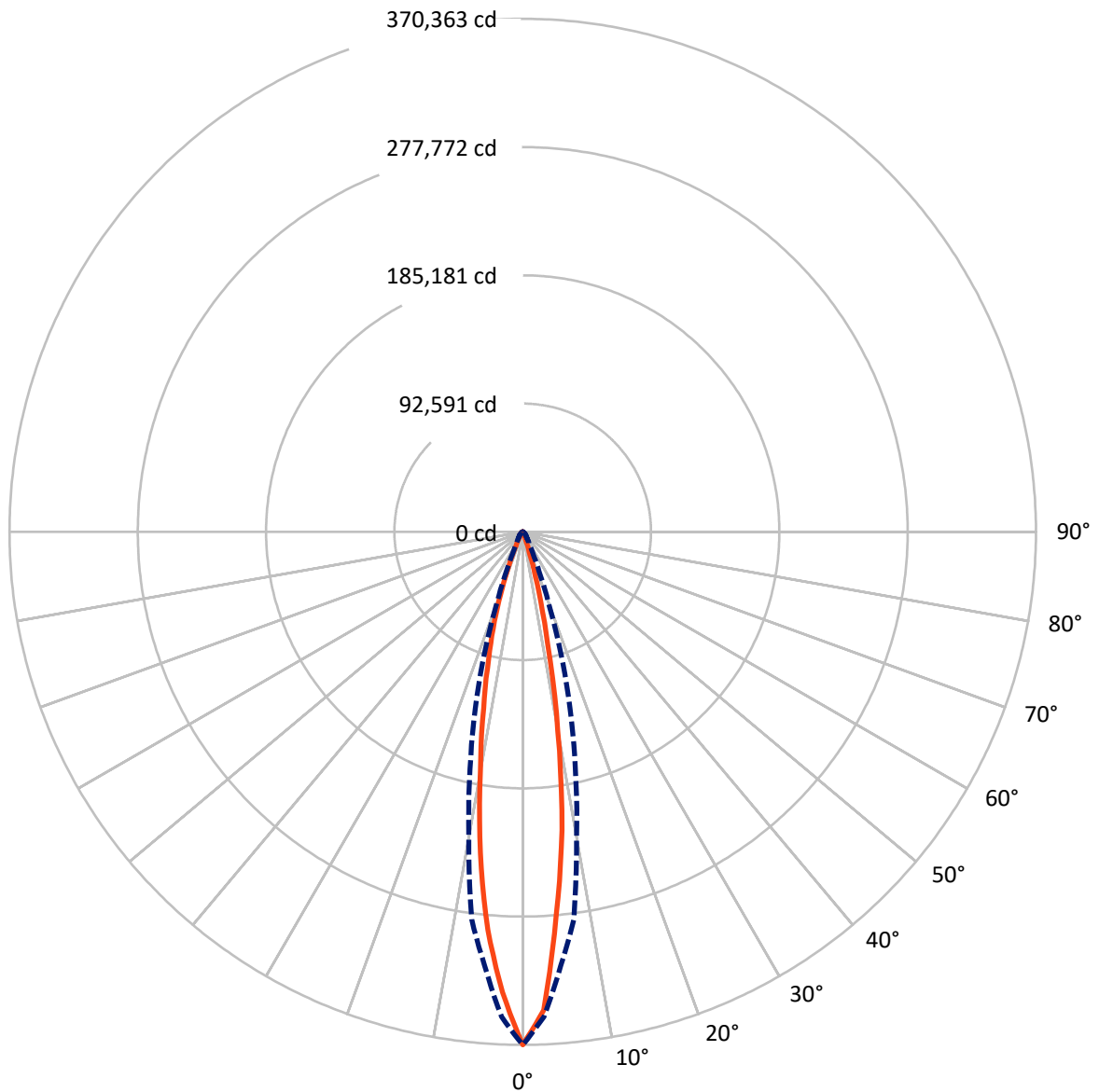
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### Lumen Table

90	0.2		0.5		0.7		0.8		0.9		0.8		0.7		0.5		0.2	
80	0.2		0.1		0.2		0.7		0.8		0.5		0.3		0.3		0.3	
70	0.2		0.1		0.4		0.6		0.4		0.3		0.2		0.2		0.2	
60	0.2		0.1		0.4		0.3		0.5		0.5		0.5		0.5		0.5	
50	0.2		0.2		0.6		0.9		1.7		2.4		3.0		4.0		4.0	
40	0.2		0.2		0.6		0.9		1.7		2.4		3.0		4.0		4.0	
30	0.3		0.5		1.7		4.3		8.2		12.4		28.1		56.6		56.6	
20	0.3		1.2		6.4		20.3		44.6		119.6		663.2		1517.7		1517.7	
10	0.4		2.2		13.4		48.1		112.3		493.8		3097.3		7229.8		7229.8	
0	0.4		3.0		15.9		56.4		125.9		526.3		3303.5		7446.5		7446.5	
-10	0.6		3.2		13.7		42.8		89.4		226.9		1199.4		2699.3		2699.3	
-20	0.6		3.1		11.1		26.8		63.2		107.0		232.3		467.1		467.1	
-30	0.5		2.8		8.9		18.7		40.9		73.8		100.3		117.0		117.0	
-40	0.5		2.0		6.6		14.2		25.4		41.4		63.4		79.8		79.8	
-50	0.3		0.9		3.9		9.0		16.1		23.7		30.0		33.8		33.8	
-60	0.3		0.3		1.3		3.9		7.3		11.2		15.0		17.3		17.3	
-70	0.2		0.9		3.0		8.0		12.3		8.0		3.0		0.9		0.2	
-80	0.2		0.9		3.0		8.0		12.3		8.0		3.0		0.9		0.2	
-90	0.2		0.9		3.0		8.0		12.3		8.0		3.0		0.9		0.2	

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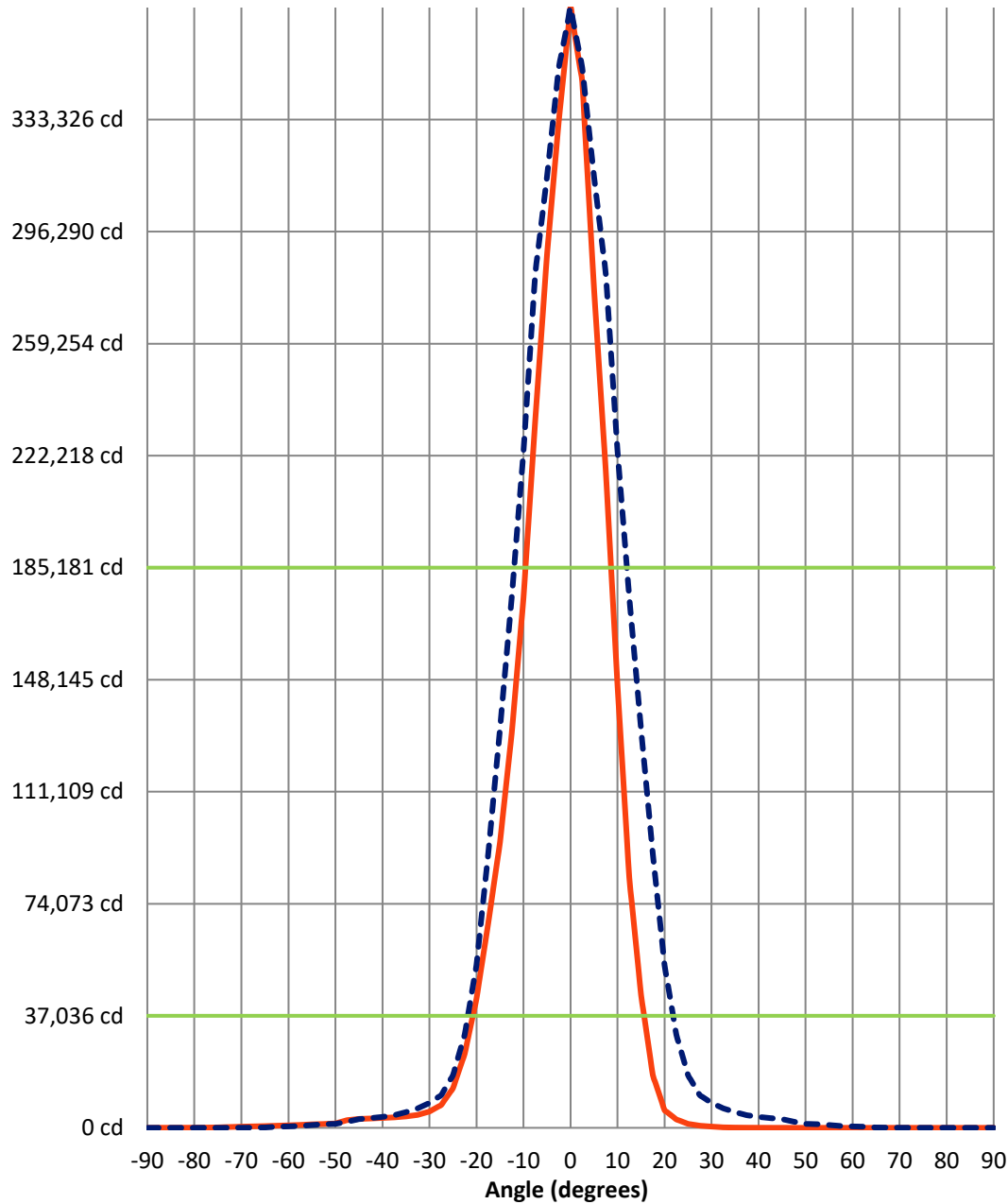
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 24°  
V Angle: 18.2°  
Lumens: 26486  
Efficiency: 42.8%

**Field:**  
H Angle: 43.7°  
V Angle: 36.4°  
Lumens: 52912.9  
Efficiency: 85.5%

**Spill:**  
Lumens: 9002.6  
Efficiency: 14.5%

— 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°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
85°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
82.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
75°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
72.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
70°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	8.4
67.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.9	7.8	7.8	8.5	9.2
65°	7.8	7.8	7.8	7.8	7.8	7.9	7.9	7.8	8.4	9.2	9.6
62.5°	7.8	7.8	7.8	7.8	7.8	8.0	8.0	8.2	9.1	9.7	9.1
60°	7.8	7.8	7.8	7.8	7.8	8.2	8.2	8.7	9.7	9.4	8.6
57.5°	7.8	7.8	7.8	7.8	8.0	8.4	8.6	9.2	9.7	9.2	8.5
55°	7.8	7.8	7.9	7.8	8.2	8.6	8.9	9.7	9.6	9.1	8.6
52.5°	7.8	7.8	7.9	7.8	8.4	8.8	9.3	9.8	9.6	9.2	8.7
50°	7.8	7.8	7.9	7.8	8.6	9.1	9.6	9.9	9.7	9.3	10.6
47.5°	7.8	7.8	8.0	7.8	8.9	9.3	9.8	10.1	9.8	9.4	12.2
45°	7.8	7.8	8.0	8.0	9.1	9.4	10.0	10.2	10.0	10.4	13.4
42.5°	7.8	7.8	8.1	8.2	9.3	9.6	10.2	10.4	10.2	11.0	14.7
40°	7.8	7.8	8.2	8.4	9.5	9.7	10.4	10.7	10.7	11.4	16.0
37.5°	7.8	7.8	8.3	8.7	9.6	9.8	10.6	11.0	11.5	12.6	17.1
35°	7.8	7.8	8.3	8.9	9.7	9.9	10.9	11.4	12.3	14.7	17.8
32.5°	7.8	7.8	8.4	9.0	9.7	10.1	11.2	11.8	13.2	16.8	19.5
30°	7.8	7.8	8.5	9.2	9.8	10.3	11.5	12.3	14.2	19.0	21.7
27.5°	7.8	7.8	8.6	9.3	9.8	10.5	11.8	13.0	15.4	21.2	24.2
25°	7.8	7.8	8.7	9.4	9.8	10.8	12.2	13.8	17.3	23.4	27.3
22.5°	7.8	7.8	8.8	9.5	9.8	11.0	12.5	14.6	19.1	25.7	32.8
20°	7.8	7.8	9.0	9.6	9.8	11.1	12.9	15.3	20.8	28.2	39.0
17.5°	7.8	7.8	9.1	9.7	9.8	11.3	13.1	16.1	22.6	30.8	45.6
15°	7.8	7.8	9.2	9.7	9.8	11.4	13.3	16.9	24.3	33.5	52.6
12.5°	7.8	7.8	9.3	9.8	9.8	11.5	13.4	18.0	26.2	36.3	59.7
10°	7.8	7.8	9.4	9.8	9.8	11.6	13.5	19.1	28.3	40.9	68.4
7.5°	7.8	7.8	9.5	9.8	9.8	11.6	13.6	20.3	30.2	45.9	80.5
5°	7.8	7.8	9.6	9.8	9.8	11.7	13.7	21.4	32.0	51.0	92.7
2.5°	7.8	7.8	9.7	9.8	9.8	11.7	13.7	22.5	33.7	55.9	104.4
0°	7.8	7.8	9.8	9.8	9.8	11.7	13.7	23.5	35.2	60.6	115.4
-2.5°	7.8	7.8	9.8	9.8	10.0	12.1	15.5	28.0	44.7	74.5	132.1
-5°	7.8	7.8	9.8	9.8	10.1	12.5	17.3	32.3	53.7	87.8	147.6
-7.5°	7.8	7.8	9.8	9.8	10.3	12.9	18.9	36.3	62.2	100.1	161.8
-10°	7.8	7.8	9.7	9.8	10.4	13.2	20.3	39.7	69.8	111.4	174.4
-12.5°	7.8	7.8	9.7	9.8	10.6	13.5	21.6	42.6	76.3	121.5	186.0
-15°	7.8	7.8	9.7	9.8	10.7	13.7	22.5	44.9	82.3	130.8	196.0
-17.5°	7.8	7.8	9.6	9.8	10.7	13.9	23.2	47.4	87.9	138.7	204.0
-20°	7.8	7.8	9.6	9.8	10.8	14.0	23.9	49.7	92.1	145.2	209.9



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-3S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.8	7.8	9.5	9.8	10.8	14.0	24.6	51.0	94.8	150.2	213.6
-25°	7.8	7.8	9.4	9.8	10.8	14.1	24.7	51.1	95.8	153.6	215.1
-27.5°	7.8	7.8	9.3	9.8	10.8	14.2	24.2	50.0	95.2	155.2	218.0
-30°	7.8	7.8	9.3	9.8	10.7	14.2	22.9	47.5	93.6	154.1	219.1
-32.5°	7.8	7.8	9.2	9.8	10.7	14.1	20.9	45.7	90.6	150.6	218.1
-35°	7.8	7.8	9.1	9.8	10.7	13.9	20.1	43.4	85.7	144.7	215.0
-37.5°	7.8	7.8	9.0	9.8	10.6	13.7	19.8	39.9	78.8	136.3	200.5
-40°	7.8	7.8	8.9	9.8	10.5	13.6	19.3	35.3	70.0	126.5	182.8
-42.5°	7.8	7.8	8.7	9.8	10.5	13.4	18.6	29.6	62.3	111.1	163.2
-45°	7.8	7.8	8.6	9.8	10.5	13.1	17.8	25.2	54.3	93.9	142.2
-47.5°	7.8	7.8	8.5	9.8	10.5	12.8	16.8	24.0	44.8	75.5	121.4
-50°	7.8	7.8	8.4	9.7	10.4	12.4	16.1	22.5	33.1	62.4	99.3
-52.5°	7.8	7.8	8.2	9.5	10.3	11.9	15.5	20.8	27.9	48.5	76.7
-55°	7.8	7.8	8.1	9.3	10.2	11.6	14.7	19.0	25.3	34.1	60.5
-57.5°	7.8	7.8	7.9	9.1	10.0	11.3	13.8	17.9	22.7	28.5	43.7
-60°	7.8	7.8	7.8	8.9	9.8	10.9	12.9	16.5	20.2	25.5	30.9
-62.5°	7.8	7.8	7.8	8.8	9.6	10.5	12.2	15.1	18.6	22.3	27.4
-65°	7.8	7.8	7.8	8.6	9.4	10.0	11.5	13.8	16.9	20.1	23.8
-67.5°	7.8	7.8	7.8	8.4	9.3	9.7	10.8	12.8	15.1	18.2	21.2
-70°	7.8	7.8	7.8	8.2	9.1	9.6	9.9	11.8	14.0	16.2	19.0
-72.5°	7.8	7.8	7.8	8.2	8.9	9.5	9.8	10.8	12.8	14.9	16.9
-75°	7.8	7.8	7.8	8.1	8.8	9.4	9.8	10.4	11.6	13.5	15.4
-77.5°	7.8	7.8	7.8	8.1	8.6	9.3	9.8	10.2	11.0	12.3	13.9
-80°	7.8	7.8	7.8	8.0	8.5	9.1	9.8	10.0	10.5	11.3	12.4
-82.5°	7.8	7.8	7.8	8.0	8.3	8.8	9.3	9.6	9.8	10.2	10.8
-85°	7.8	7.8	7.8	7.9	8.1	8.4	8.8	9.0	9.2	9.3	9.5
-87.5°	7.8	7.8	7.8	7.9	8.0	8.1	8.3	8.4	8.5	8.6	8.6
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8





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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-3S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	8.3	8.8	9.3
87.5°	7.5	7.3	7.1	7.0	6.8	6.5	6.2	5.9	5.9	5.9	5.9
85°	7.8	7.8	7.8	7.8	7.3	6.9	6.4	5.9	5.9	5.9	5.9
82.5°	7.8	7.8	7.8	7.8	7.4	6.9	6.5	6.2	6.2	6.2	6.1
80°	7.8	7.8	7.8	7.8	7.6	7.4	7.4	7.5	7.3	6.9	6.5
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.5	7.0	6.5
75°	7.8	7.8	7.9	7.9	7.8	7.8	7.8	7.8	7.6	7.5	7.5
72.5°	8.1	8.4	8.3	8.0	7.8	7.8	7.8	7.8	9.2	11.2	12.7
70°	8.9	9.0	8.4	8.0	7.8	8.3	10.7	14.0	17.5	20.0	23.2
67.5°	9.5	8.6	8.0	8.0	9.4	12.0	15.8	24.2	33.5	37.1	38.2
65°	8.8	8.0	8.3	9.6	11.5	18.5	27.6	38.5	46.4	45.8	43.5
62.5°	8.0	8.1	9.1	12.3	18.5	27.2	35.6	43.2	50.7	48.6	41.7
60°	7.9	8.3	12.0	18.4	25.0	31.3	39.2	43.5	46.9	46.7	36.9
57.5°	8.1	10.6	16.9	23.2	28.5	33.4	35.8	38.8	40.0	40.1	30.0
55°	9.4	14.5	20.7	26.1	30.1	29.3	30.3	30.6	30.8	28.8	20.4
52.5°	12.4	17.9	23.0	27.7	28.6	25.7	22.5	22.6	21.2	17.8	14.7
50°	15.0	19.9	24.9	28.0	26.7	21.4	16.6	16.5	15.0	13.0	11.2
47.5°	16.8	21.7	26.5	28.2	23.8	19.4	15.3	13.4	11.9	11.5	10.3
45°	18.4	23.2	28.2	26.4	22.4	19.2	15.8	11.7	12.2	12.2	12.6
42.5°	20.0	24.2	27.0	25.2	22.9	20.5	17.4	15.1	14.1	15.5	16.1
40°	20.6	24.8	26.1	26.5	24.3	23.0	22.6	20.9	18.1	20.6	21.4
37.5°	20.9	24.8	27.2	30.4	27.5	28.3	29.4	29.9	28.2	27.5	31.0
35°	20.9	25.4	32.8	36.6	34.2	35.9	39.3	40.9	40.9	40.2	46.1
32.5°	21.4	26.8	40.5	43.8	46.3	48.4	50.7	54.3	57.7	61.5	71.1
30°	24.2	34.1	49.4	51.9	61.2	70.8	68.1	69.9	77.6	102.0	123.4
27.5°	30.1	43.9	57.1	65.0	80.0	100.1	106.4	94.0	116.4	154.4	190.6
25°	37.1	71.0	65.4	81.1	108.9	139.1	156.0	154.1	176.0	224.0	267.0
22.5°	52.1	106.6	103.2	98.6	142.5	186.9	215.8	265.9	336.4	336.1	351.7
20°	78.3	140.5	150.9	163.9	192.2	241.8	283.1	415.8	562.7	612.6	558.2
17.5°	108.9	177.8	205.2	249.4	312.3	344.3	367.9	595.0	843.2	941.7	972.6
15°	142.9	218.1	263.2	344.9	445.3	502.2	602.4	861.8	1155.2	1322.0	1446.1
12.5°	179.2	260.4	324.0	448.2	587.9	663.1	885.3	1260.7	1553.0	1754.2	2069.6
10°	216.6	304.2	386.5	556.6	737.1	826.0	1188.2	1671.6	1976.9	2209.9	2641.3
7.5°	257.8	347.7	448.7	667.2	889.5	989.5	1501.0	2085.6	2390.1	2649.6	3137.2
5°	298.0	389.5	504.4	761.3	1011.7	1127.4	1783.0	2491.9	2791.5	3073.2	3585.0
2.5°	335.0	429.6	557.9	848.0	1108.6	1223.9	1918.9	2698.7	3025.3	3374.9	3923.3
0°	367.7	467.5	608.3	927.1	1197.0	1316.3	2026.3	2877.2	3215.5	3612.6	4170.0
-2.5°	374.6	482.5	626.2	925.9	1185.2	1314.0	2036.7	2885.0	3281.0	3700.7	4246.3
-5°	376.5	494.6	640.1	916.7	1165.5	1306.4	2015.7	2855.9	3291.8	3679.2	4170.5
-7.5°	373.8	503.2	649.6	898.5	1127.3	1263.0	1896.9	2678.9	3119.7	3457.2	3919.2
-10°	367.1	502.0	639.0	857.7	1066.1	1197.2	1734.2	2474.7	2940.5	3231.0	3633.5
-12.5°	355.3	492.6	622.1	813.8	1004.2	1129.9	1544.7	2248.5	2758.9	3007.0	3332.6
-15°	342.2	481.5	602.2	768.6	943.8	1062.3	1329.7	2004.4	2585.8	2838.5	3080.5
-17.5°	328.5	468.9	579.6	723.2	886.6	995.2	1097.4	1745.1	2367.0	2666.8	2900.5
-20°	315.0	455.1	554.4	679.2	832.8	943.1	1027.1	1482.4	2059.4	2476.4	2711.2



REPORT NUMBER: P701589 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	302.5	440.4	530.6	645.1	785.4	901.7	986.8	1225.3	1734.9	2269.4	2523.2
-25°	297.9	419.2	511.2	615.2	740.1	859.9	947.6	1007.2	1428.3	1957.5	2344.0
-27.5°	298.1	401.6	492.5	583.0	694.8	815.3	902.9	964.4	1195.3	1650.8	2142.0
-30°	295.5	380.3	472.0	551.8	655.1	764.1	856.5	941.5	1014.5	1379.2	1812.8
-32.5°	284.3	357.9	447.3	527.3	615.2	714.6	818.6	909.5	988.8	1107.4	1500.2
-35°	269.2	339.4	420.4	501.1	574.7	670.6	772.8	872.2	956.4	1030.0	1209.2
-37.5°	255.5	318.4	392.6	472.1	544.5	626.7	723.5	823.2	913.6	1001.1	1082.0
-40°	239.8	294.9	366.2	441.0	513.1	585.0	672.5	766.5	861.8	962.7	1060.2
-42.5°	221.7	275.5	338.0	408.4	476.9	547.3	619.1	707.4	803.4	910.1	1011.7
-45°	198.0	254.0	308.4	371.9	436.7	505.0	574.2	645.6	738.2	836.6	943.1
-47.5°	172.2	229.1	282.0	332.9	393.9	457.6	524.9	594.9	668.1	757.8	853.3
-50°	145.3	198.2	251.9	297.9	349.0	407.8	469.6	539.2	608.9	679.3	760.6
-52.5°	119.0	165.2	215.5	263.2	307.4	356.6	413.9	476.9	543.5	611.1	674.0
-55°	91.2	133.2	176.6	223.2	267.9	309.7	356.0	412.5	472.1	534.8	592.4
-57.5°	68.8	100.4	139.1	179.7	222.9	265.3	305.8	346.7	398.2	453.5	502.8
-60°	49.5	72.5	102.0	137.8	174.7	214.8	255.4	293.6	331.2	367.5	411.7
-62.5°	32.5	50.4	71.3	96.3	129.1	162.8	198.8	235.6	272.2	303.7	332.8
-65°	28.5	32.6	46.7	65.5	84.2	114.5	145.1	174.4	206.5	235.4	263.4
-67.5°	24.3	28.1	31.9	38.4	55.3	74.1	93.9	120.7	146.2	167.0	187.7
-70°	21.6	23.8	26.9	30.2	33.7	41.4	58.0	75.3	92.3	108.3	126.0
-72.5°	19.0	21.1	23.1	25.0	28.1	31.7	35.4	39.3	48.8	61.6	73.9
-75°	16.9	18.3	20.1	21.8	23.7	25.9	28.3	31.4	34.5	37.2	39.6
-77.5°	15.0	16.0	17.2	18.6	20.1	21.7	23.5	25.4	27.4	29.4	31.6
-80°	13.1	13.7	14.5	15.4	16.6	17.9	19.1	20.4	21.5	22.9	24.5
-82.5°	11.3	11.7	12.2	12.6	13.4	14.2	15.2	16.3	16.6	17.0	17.5
-85°	9.6	9.8	10.1	10.4	10.7	11.2	11.7	12.2	12.3	12.4	12.4
-87.5°	8.7	8.8	8.9	8.9	9.0	9.1	9.2	9.2	9.4	9.6	9.7
-90°	7.3	6.9	6.4	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	9.8	10.3	10.7	11.2	11.7	16.1	20.5	24.9	29.3	36.6	44.0
87.5°	5.9	5.4	4.9	4.4	3.9	3.4	3.0	2.5	2.0	2.0	2.0
85°	5.9	5.4	4.9	4.4	3.9	3.8	3.8	3.8	3.8	3.4	2.9
82.5°	5.9	5.4	4.9	4.4	3.9	3.9	3.9	3.9	3.9	3.4	3.0
80°	6.0	5.6	5.4	5.2	5.2	5.0	4.7	4.3	3.9	3.9	3.8
77.5°	6.2	6.2	6.2	6.1	6.0	5.5	5.0	4.5	4.0	3.9	3.9
75°	7.6	7.8	8.0	7.7	7.1	6.6	6.3	5.9	5.6	5.3	4.9
72.5°	13.7	13.7	13.1	12.6	11.4	10.9	11.0	10.8	10.5	10.3	10.2
70°	25.1	25.5	24.5	22.1	18.7	16.4	15.3	14.0	12.3	11.6	11.6
67.5°	35.7	32.7	29.5	26.2	22.0	18.4	16.3	14.3	12.5	11.5	11.0
65°	39.1	32.0	26.7	22.5	19.3	16.6	14.4	12.2	10.1	8.7	8.3
62.5°	34.0	25.3	20.2	17.1	14.8	13.3	11.2	9.2	7.5	6.6	6.8
60°	27.6	18.7	13.9	12.2	10.8	9.8	8.6	7.5	6.5	5.9	6.0
57.5°	20.7	13.6	9.8	9.5	9.0	8.2	7.5	6.9	6.4	5.9	5.9
55°	14.3	11.3	9.8	9.3	8.7	8.2	7.6	7.0	6.5	5.9	5.9
52.5°	11.2	10.3	9.9	9.5	8.9	8.3	7.7	7.2	6.6	6.0	5.9
50°	10.2	9.9	10.0	9.6	9.1	8.5	7.9	7.5	7.4	7.2	7.2
47.5°	10.5	10.8	10.6	9.9	9.5	9.5	9.6	9.6	9.7	9.3	9.2
45°	12.0	12.0	11.9	11.8	11.3	12.4	13.1	13.2	15.3	14.5	12.2
42.5°	14.9	15.6	16.4	17.5	16.1	20.6	27.7	32.5	27.8	21.9	18.5
40°	22.6	23.1	28.1	30.7	36.4	42.9	39.0	32.6	29.0	31.0	32.1
37.5°	35.6	41.6	49.8	58.8	56.6	46.9	48.0	47.9	46.2	50.2	50.5
35°	58.1	72.8	79.7	81.9	77.8	74.8	77.5	80.2	74.2	83.7	86.7
32.5°	95.0	112.9	116.9	112.7	113.2	119.7	124.6	133.6	142.5	156.7	173.7
30°	140.1	159.4	168.6	160.1	161.9	177.5	187.6	207.9	240.2	277.3	323.5
27.5°	207.6	221.9	238.4	240.7	232.9	255.7	291.5	312.8	400.0	457.7	561.7
25°	296.6	318.8	333.3	357.8	370.9	398.5	467.0	532.9	666.8	797.3	1018.6
22.5°	413.5	484.8	511.0	507.3	584.4	658.6	716.9	901.5	1165.3	1551.5	1986.3
20°	567.8	714.4	839.0	879.4	906.9	1102.5	1303.9	1876.8	2533.6	3629.8	4482.0
17.5°	1023.5	1071.7	1345.3	1568.0	1674.0	2088.5	3028.2	4470.4	6949.3	10341.2	12426.6
15°	1708.7	1846.4	2120.7	2591.9	3174.9	4273.7	5842.2	10440.3	16798.0	23745.6	30360.2
12.5°	2465.4	2752.6	3255.2	3949.1	4874.8	8009.8	13072.0	21722.9	33492.9	45530.0	60882.0
10°	3167.6	3745.1	4570.1	5741.2	8118.0	13473.9	21994.8	36699.8	57548.3	79287.5	101005.6
7.5°	3740.4	4566.7	5773.1	7527.4	11787.2	20385.9	34360.2	56026.1	82757.2	110725.7	140172.2
5°	4318.9	5364.9	6818.0	8940.5	14191.6	25726.0	44313.4	73974.7	108471.4	143712.5	180821.7
2.5°	4820.4	6044.1	7726.3	10206.1	15808.5	28616.3	50317.8	86841.6	127344.3	169516.1	216780.4
0°	5191.0	6436.9	8224.6	10804.5	17401.8	30866.3	53832.7	90645.0	131840.6	175378.3	223684.6
-2.5°	5139.4	6266.1	7886.6	10446.8	16848.2	30460.4	51637.2	87513.6	127832.1	168644.7	211727.4
-5°	4904.6	5884.5	7336.5	9628.1	14936.4	26428.2	46338.6	79402.5	116893.4	154189.4	192522.5
-7.5°	4546.7	5394.5	6667.2	8635.8	12731.8	21780.9	38327.4	64191.7	96423.8	128299.3	157869.7
-10°	4177.0	4867.6	5899.1	7454.7	10376.5	16699.4	28400.4	47736.0	74540.9	100791.3	123451.9
-12.5°	3829.5	4343.8	5077.4	6160.5	7961.3	12501.5	21336.5	35443.5	53348.4	73530.8	93152.6
-15°	3505.4	3885.7	4412.5	5286.0	6727.3	9420.3	14216.7	23617.7	36211.9	50299.6	63863.5
-17.5°	3208.3	3521.8	3932.9	4547.9	5441.0	7106.3	10466.3	15841.1	23445.0	33465.7	42832.5
-20°	2941.9	3226.0	3533.5	3994.2	4680.0	5660.2	7314.4	10651.1	15038.9	21355.0	27549.6



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2733.5	2956.5	3195.5	3547.9	4119.7	4814.7	5637.0	7004.0	9419.1	12658.8	16327.8
-25°	2542.9	2708.1	2956.0	3335.4	3727.0	4190.7	4689.2	5237.5	6309.1	7351.1	9272.0
-27.5°	2361.8	2536.0	2794.3	3136.6	3493.9	3710.4	4029.3	4368.0	4880.6	5333.0	6098.2
-30°	2210.6	2393.6	2612.9	2901.7	3202.6	3406.5	3572.5	3817.5	4101.7	4385.5	4714.7
-32.5°	1926.7	2275.7	2427.7	2648.0	2918.8	3133.4	3280.3	3462.3	3614.2	3790.6	3969.4
-35°	1616.0	2001.0	2315.4	2457.8	2645.1	2883.7	3092.6	3238.7	3356.4	3465.2	3567.7
-37.5°	1264.5	1664.8	2008.1	2297.1	2468.5	2628.3	2849.8	3046.5	3188.0	3262.9	3329.6
-40°	1130.7	1246.3	1609.0	1940.4	2198.4	2448.8	2621.3	2814.1	2977.7	3081.1	3158.5
-42.5°	1107.8	1167.2	1214.1	1465.3	1778.3	2046.5	2274.9	2499.8	2699.7	2848.0	2967.7
-45°	1046.0	1116.6	1182.5	1228.9	1277.1	1514.2	1769.2	2017.5	2243.2	2445.1	2621.5
-47.5°	946.1	1030.5	1100.8	1168.2	1220.5	1261.9	1309.7	1388.8	1600.1	1807.5	2004.5
-50°	837.6	913.9	990.3	1062.8	1119.6	1169.6	1215.6	1254.9	1294.6	1336.1	1375.5
-52.5°	730.2	798.5	866.4	930.0	990.6	1047.7	1100.7	1139.7	1173.1	1202.5	1224.7
-55°	645.8	696.5	746.0	800.0	853.8	904.2	950.3	992.5	1030.8	1065.1	1091.5
-57.5°	552.5	602.3	649.6	690.0	729.3	767.3	806.4	843.8	876.9	905.6	928.8
-60°	455.1	497.6	539.7	579.5	617.4	653.1	685.1	714.7	741.3	764.2	781.3
-62.5°	361.1	394.6	432.5	467.1	497.5	526.7	559.7	589.4	615.9	637.8	654.1
-65°	289.9	314.0	341.3	368.1	394.3	422.7	451.5	477.0	499.5	517.9	532.4
-67.5°	211.2	234.9	261.5	285.5	307.7	331.7	359.2	384.5	407.6	426.2	441.4
-70°	142.4	159.2	180.1	202.5	224.3	247.1	272.3	296.5	319.7	337.4	351.8
-72.5°	85.5	96.5	107.7	122.3	137.7	156.4	177.5	198.8	219.8	235.0	246.9
-75°	41.8	46.2	55.4	63.9	71.7	81.7	92.4	102.5	111.9	118.8	124.5
-77.5°	33.9	36.0	38.1	40.2	42.1	46.5	51.8	57.2	62.8	67.2	71.4
-80°	26.1	27.4	28.8	30.3	31.9	35.3	38.9	42.6	46.2	49.0	51.6
-82.5°	18.2	18.9	19.5	20.2	20.7	23.2	25.7	28.1	30.4	32.6	34.8
-85°	12.3	12.5	12.7	12.8	13.0	15.4	17.9	20.5	23.0	25.1	27.2
-87.5°	9.8	9.9	9.9	10.0	10.0	12.1	14.1	16.1	18.0	19.9	21.8
-90°	5.9	5.4	4.9	4.4	3.9	3.4	3.0	2.5	2.0	1.5	1.0



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	51.3	58.7	53.8	48.9	53.8	58.7	51.3	44.0	36.6	29.3	24.9
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5
85°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	2.9	3.4	3.8	3.8
82.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.4	3.9	3.9
80°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.9	3.9	4.3
77.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.5
75°	4.4	3.9	4.9	5.9	4.9	3.9	4.4	4.9	5.3	5.6	5.9
72.5°	10.0	9.7	9.8	9.8	9.8	9.7	10.0	10.2	10.3	10.5	10.8
70°	11.6	11.6	11.7	11.7	11.7	11.6	11.6	11.6	11.6	12.3	14.0
67.5°	10.5	9.9	9.8	9.8	9.8	9.9	10.5	11.0	11.5	12.5	14.3
65°	8.0	7.9	7.8	7.8	7.8	7.9	8.0	8.3	8.7	10.1	12.2
62.5°	7.2	7.7	7.8	7.8	7.8	7.7	7.2	6.8	6.6	7.5	9.2
60°	6.0	6.0	5.9	5.9	5.9	6.0	6.0	6.0	5.9	6.5	7.5
57.5°	5.9	5.9	6.7	7.8	6.7	5.9	5.9	5.9	5.9	6.4	6.9
55°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.5	7.0
52.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.0	6.6	7.2
50°	7.5	7.7	7.8	7.8	7.8	7.7	7.5	7.2	7.2	7.4	7.5
47.5°	9.4	9.6	9.1	7.8	9.1	9.6	9.4	9.2	9.3	9.7	9.6
45°	12.2	11.9	11.6	11.7	11.6	11.9	12.2	12.2	14.5	15.3	13.2
42.5°	19.1	19.3	19.4	19.6	19.4	19.3	19.1	18.5	21.9	27.8	32.5
40°	33.8	34.6	34.8	35.2	34.8	34.6	33.8	32.1	31.0	29.0	32.6
37.5°	51.1	52.0	52.3	52.8	52.3	52.0	51.1	50.5	50.2	46.2	47.9
35°	86.3	86.1	83.1	84.1	83.1	86.1	86.3	86.7	83.7	74.2	80.2
32.5°	185.4	186.8	177.2	162.3	177.2	186.8	185.4	173.7	156.7	142.5	133.6
30°	358.3	388.9	409.7	410.7	409.7	388.9	358.3	323.5	277.3	240.2	207.9
27.5°	631.2	678.9	699.2	710.0	699.2	678.9	631.2	561.7	457.7	400.0	312.8
25°	1192.5	1301.9	1361.0	1316.3	1361.0	1301.9	1192.5	1018.6	797.3	666.8	532.9
22.5°	2399.6	2608.8	2787.0	2797.0	2787.0	2608.8	2399.6	1986.3	1551.5	1165.3	901.5
20°	5666.9	5619.3	6070.1	5844.3	6070.1	5619.3	5666.9	4482.0	3629.8	2533.6	1876.8
17.5°	16073.7	17851.7	18834.4	17489.8	18834.4	17851.7	16073.7	12426.6	10341.2	6949.3	4470.4
15°	36952.9	41388.3	44389.4	44006.2	44389.4	41388.3	36952.9	30360.2	23745.6	16798.0	10440.3
12.5°	69481.0	76769.6	82982.3	82721.6	82982.3	76769.6	69481.0	60882.0	45530.0	33492.9	21722.9
10°	120354.7	133062.0	144904.5	146138.3	144904.5	133062.0	120354.7	101005.6	79287.5	57548.3	36699.8
7.5°	167225.3	195840.6	212897.8	217274.1	212897.8	195840.6	167225.3	140172.2	110725.7	82757.2	56026.1
5°	225915.3	259053.2	276980.2	277458.6	276980.2	259053.2	225915.3	180821.7	143712.5	108471.4	73974.7
2.5°	269362.4	306689.8	328701.7	345732.9	328701.7	306689.8	269362.4	216780.4	169516.1	127344.3	86841.6
0°	282283.9	314474.3	350392.8	370362.7	350392.8	314474.3	282283.9	223684.6	175378.3	131840.6	90645.0
-2.5°	264969.7	298672.7	316503.0	332746.5	316503.0	298672.7	264969.7	211727.4	168644.7	127832.1	87513.6
-5°	232077.4	267774.3	284905.6	288562.3	284905.6	267774.3	232077.4	192522.5	154189.4	116893.4	79402.5
-7.5°	184664.4	209789.1	227132.7	233934.5	227132.7	209789.1	184664.4	157869.7	128299.3	96423.8	64191.7
-10°	144525.1	160749.0	169428.2	175199.3	169428.2	160749.0	144525.1	123451.9	100791.3	74540.9	47736.0
-12.5°	108967.8	120695.9	127502.6	130465.5	127502.6	120695.9	108967.8	93152.6	73530.8	53348.4	35443.5
-15°	77562.6	86842.9	91452.0	94386.7	91452.0	86842.9	77562.6	63863.5	50299.6	36211.9	23617.7
-17.5°	53140.6	60602.7	64855.9	67621.9	64855.9	60602.7	53140.6	42832.5	33465.7	23445.0	15841.1
-20°	34000.8	38443.9	41716.6	42670.3	41716.6	38443.9	34000.8	27549.6	21355.0	15038.9	10651.1



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19865.6	22481.6	24129.7	24503.7	24129.7	22481.6	19865.6	16327.8	12658.8	9419.1	7004.0
-25°	10801.4	11941.2	12805.8	13098.8	12805.8	11941.2	10801.4	9272.0	7351.1	6309.1	5237.5
-27.5°	6633.1	7073.8	7393.2	7557.7	7393.2	7073.8	6633.1	6098.2	5333.0	4880.6	4368.0
-30°	4989.1	5190.1	5310.1	5390.5	5310.1	5190.1	4989.1	4714.7	4385.5	4101.7	3817.5
-32.5°	4096.3	4186.3	4240.5	4277.6	4240.5	4186.3	4096.3	3969.4	3790.6	3614.2	3462.3
-35°	3648.7	3707.2	3747.3	3767.1	3747.3	3707.2	3648.7	3567.7	3465.2	3356.4	3238.7
-37.5°	3379.1	3416.0	3442.7	3458.1	3442.7	3416.0	3379.1	3329.6	3262.9	3188.0	3046.5
-40°	3195.4	3221.2	3242.6	3266.4	3242.6	3221.2	3195.4	3158.5	3081.1	2977.7	2814.1
-42.5°	3027.7	3066.0	3085.3	3090.3	3085.3	3066.0	3027.7	2967.7	2848.0	2699.7	2499.8
-45°	2756.6	2863.1	2928.6	2949.5	2928.6	2863.1	2756.6	2621.5	2445.1	2243.2	2017.5
-47.5°	2185.6	2345.0	2465.3	2538.8	2465.3	2345.0	2185.6	2004.5	1807.5	1600.1	1388.8
-50°	1412.3	1446.0	1459.2	1451.3	1459.2	1446.0	1412.3	1375.5	1336.1	1294.6	1254.9
-52.5°	1242.2	1255.7	1267.0	1275.3	1267.0	1255.7	1242.2	1224.7	1202.5	1173.1	1139.7
-55°	1112.1	1127.4	1141.8	1154.0	1141.8	1127.4	1112.1	1091.5	1065.1	1030.8	992.5
-57.5°	948.3	963.7	969.5	968.2	969.5	963.7	948.3	928.8	905.6	876.9	843.8
-60°	795.4	806.4	814.5	819.5	814.5	806.4	795.4	781.3	764.2	741.3	714.7
-62.5°	666.9	676.5	687.2	696.3	687.2	676.5	666.9	654.1	637.8	615.9	589.4
-65°	544.7	554.8	562.9	569.2	562.9	554.8	544.7	532.4	517.9	499.5	477.0
-67.5°	455.0	466.9	475.9	483.1	475.9	466.9	455.0	441.4	426.2	407.6	384.5
-70°	365.0	376.9	384.1	389.2	384.1	376.9	365.0	351.8	337.4	319.7	296.5
-72.5°	257.2	265.8	269.9	271.9	269.9	265.8	257.2	246.9	235.0	219.8	198.8
-75°	129.4	133.5	137.5	140.8	137.5	133.5	129.4	124.5	118.8	111.9	102.5
-77.5°	75.6	79.6	82.0	84.1	82.0	79.6	75.6	71.4	67.2	62.8	57.2
-80°	54.1	56.4	58.5	60.6	58.5	56.4	54.1	51.6	49.0	46.2	42.6
-82.5°	36.9	39.0	40.1	41.1	40.1	39.0	36.9	34.8	32.6	30.4	28.1
-85°	29.2	31.2	32.3	33.3	32.3	31.2	29.2	27.2	25.1	23.0	20.5
-87.5°	23.7	25.5	26.4	27.4	26.4	25.5	23.7	21.8	19.9	18.0	16.1
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.5



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	20.5	16.1	11.7	11.2	10.7	10.3	9.8	9.3	8.8	8.3	7.8
87.5°	3.0	3.4	3.9	4.4	4.9	5.4	5.9	5.9	5.9	5.9	5.9
85°	3.8	3.8	3.9	4.4	4.9	5.4	5.9	5.9	5.9	5.9	5.9
82.5°	3.9	3.9	3.9	4.4	4.9	5.4	5.9	6.1	6.2	6.2	6.2
80°	4.7	5.0	5.2	5.2	5.4	5.6	6.0	6.5	6.9	7.3	7.5
77.5°	5.0	5.5	6.0	6.1	6.2	6.2	6.2	6.5	7.0	7.5	7.8
75°	6.3	6.6	7.1	7.7	8.0	7.8	7.6	7.5	7.5	7.6	7.8
72.5°	11.0	10.9	11.4	12.6	13.1	13.7	13.7	12.7	11.2	9.2	7.8
70°	15.3	16.4	18.7	22.1	24.5	25.5	25.1	23.2	20.0	17.5	14.0
67.5°	16.3	18.4	22.0	26.2	29.5	32.7	35.7	38.2	37.1	33.5	24.2
65°	14.4	16.6	19.3	22.5	26.7	32.0	39.1	43.5	45.8	46.4	38.5
62.5°	11.2	13.3	14.8	17.1	20.2	25.3	34.0	41.7	48.6	50.7	43.2
60°	8.6	9.8	10.8	12.2	13.9	18.7	27.6	36.9	46.7	46.9	43.5
57.5°	7.5	8.2	9.0	9.5	9.8	13.6	20.7	30.0	40.1	40.0	38.8
55°	7.6	8.2	8.7	9.3	9.8	11.3	14.3	20.4	28.8	30.8	30.6
52.5°	7.7	8.3	8.9	9.5	9.9	10.3	11.2	14.7	17.8	21.2	22.6
50°	7.9	8.5	9.1	9.6	10.0	9.9	10.2	11.2	13.0	15.0	16.5
47.5°	9.6	9.5	9.5	9.9	10.6	10.8	10.5	10.3	11.5	11.9	13.4
45°	13.1	12.4	11.3	11.8	11.9	12.0	12.0	12.6	12.2	12.2	11.7
42.5°	27.7	20.6	16.1	17.5	16.4	15.6	14.9	16.1	15.5	14.1	15.1
40°	39.0	42.9	36.4	30.7	28.1	23.1	22.6	21.4	20.6	18.1	20.9
37.5°	48.0	46.9	56.6	58.8	49.8	41.6	35.6	31.0	27.5	28.2	29.9
35°	77.5	74.8	77.8	81.9	79.7	72.8	58.1	46.1	40.2	40.9	40.9
32.5°	124.6	119.7	113.2	112.7	116.9	112.9	95.0	71.1	61.5	57.7	54.3
30°	187.6	177.5	161.9	160.1	168.6	159.4	140.1	123.4	102.0	77.6	69.9
27.5°	291.5	255.7	232.9	240.7	238.4	221.9	207.6	190.6	154.4	116.4	94.0
25°	467.0	398.5	370.9	357.8	333.3	318.8	296.6	267.0	224.0	176.0	154.1
22.5°	716.9	658.6	584.4	507.3	511.0	484.8	413.5	351.7	336.1	336.4	265.9
20°	1303.9	1102.5	906.9	879.4	839.0	714.4	567.8	558.2	612.6	562.7	415.8
17.5°	3028.2	2088.5	1674.0	1568.0	1345.3	1071.7	1023.5	972.6	941.7	843.2	595.0
15°	5842.2	4273.7	3174.9	2591.9	2120.7	1846.4	1708.7	1446.1	1322.0	1155.2	861.8
12.5°	13072.0	8009.8	4874.8	3949.1	3255.2	2752.6	2465.4	2069.6	1754.2	1553.0	1260.7
10°	21994.8	13473.9	8118.0	5741.2	4570.1	3745.1	3167.6	2641.3	2209.9	1976.9	1671.6
7.5°	34360.2	20385.9	11787.2	7527.4	5773.1	4566.7	3740.4	3137.2	2649.6	2390.1	2085.6
5°	44313.4	25726.0	14191.6	8940.5	6818.0	5364.9	4318.9	3585.0	3073.2	2791.5	2491.9
2.5°	50317.8	28616.3	15808.5	10206.1	7726.3	6044.1	4820.4	3923.3	3374.9	3025.3	2698.7
0°	53832.7	30866.3	17401.8	10804.5	8224.6	6436.9	5191.0	4170.0	3612.6	3215.5	2877.2
-2.5°	51637.2	30460.4	16848.2	10446.8	7886.6	6266.1	5139.4	4246.3	3700.7	3281.0	2885.0
-5°	46338.6	26428.2	14936.4	9628.1	7336.5	5884.5	4904.6	4170.5	3679.2	3291.8	2855.9
-7.5°	38327.4	21780.9	12731.8	8635.8	6667.2	5394.5	4546.7	3919.2	3457.2	3119.7	2678.9
-10°	28400.4	16699.4	10376.5	7454.7	5899.1	4867.6	4177.0	3633.5	3231.0	2940.5	2474.7
-12.5°	21336.5	12501.5	7961.3	6160.5	5077.4	4343.8	3829.5	3332.6	3007.0	2758.9	2248.5
-15°	14216.7	9420.3	6727.3	5286.0	4412.5	3885.7	3505.4	3080.5	2838.5	2585.8	2004.4
-17.5°	10466.3	7106.3	5441.0	4547.9	3932.9	3521.8	3208.3	2900.5	2666.8	2367.0	1745.1
-20°	7314.4	5660.2	4680.0	3994.2	3533.5	3226.0	2941.9	2711.2	2476.4	2059.4	1482.4





REPORT NUMBER: P701589 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-3S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5637.0	4814.7	4119.7	3547.9	3195.5	2956.5	2733.5	2523.2	2269.4	1734.9	1225.3
-25°	4689.2	4190.7	3727.0	3335.4	2956.0	2708.1	2542.9	2344.0	1957.5	1428.3	1007.2
-27.5°	4029.3	3710.4	3493.9	3136.6	2794.3	2536.0	2361.8	2142.0	1650.8	1195.3	964.4
-30°	3572.5	3406.5	3202.6	2901.7	2612.9	2393.6	2210.6	1812.8	1379.2	1014.5	941.5
-32.5°	3280.3	3133.4	2918.8	2648.0	2427.7	2275.7	1926.7	1500.2	1107.4	988.8	909.5
-35°	3092.6	2883.7	2645.1	2457.8	2315.4	2001.0	1616.0	1209.2	1030.0	956.4	872.2
-37.5°	2849.8	2628.3	2468.5	2297.1	2008.1	1664.8	1264.5	1082.0	1001.1	913.6	823.2
-40°	2621.3	2448.8	2198.4	1940.4	1609.0	1246.3	1130.7	1060.2	962.7	861.8	766.5
-42.5°	2274.9	2046.5	1778.3	1465.3	1214.1	1167.2	1107.8	1011.7	910.1	803.4	707.4
-45°	1769.2	1514.2	1277.1	1228.9	1182.5	1116.6	1046.0	943.1	836.6	738.2	645.6
-47.5°	1309.7	1261.9	1220.5	1168.2	1100.8	1030.5	946.1	853.3	757.8	668.1	594.9
-50°	1215.6	1169.6	1119.6	1062.8	990.3	913.9	837.6	760.6	679.3	608.9	539.2
-52.5°	1100.7	1047.7	990.6	930.0	866.4	798.5	730.2	674.0	611.1	543.5	476.9
-55°	950.3	904.2	853.8	800.0	746.0	696.5	645.8	592.4	534.8	472.1	412.5
-57.5°	806.4	767.3	729.3	690.0	649.6	602.3	552.5	502.8	453.5	398.2	346.7
-60°	685.1	653.1	617.4	579.5	539.7	497.6	455.1	411.7	367.5	331.2	293.6
-62.5°	559.7	526.7	497.5	467.1	432.5	394.6	361.1	332.8	303.7	272.2	235.6
-65°	451.5	422.7	394.3	368.1	341.3	314.0	289.9	263.4	235.4	206.5	174.4
-67.5°	359.2	331.7	307.7	285.5	261.5	234.9	211.2	187.7	167.0	146.2	120.7
-70°	272.3	247.1	224.3	202.5	180.1	159.2	142.4	126.0	108.3	92.3	75.3
-72.5°	177.5	156.4	137.7	122.3	107.7	96.5	85.5	73.9	61.6	48.8	39.3
-75°	92.4	81.7	71.7	63.9	55.4	46.2	41.8	39.6	37.2	34.5	31.4
-77.5°	51.8	46.5	42.1	40.2	38.1	36.0	33.9	31.6	29.4	27.4	25.4
-80°	38.9	35.3	31.9	30.3	28.8	27.4	26.1	24.5	22.9	21.5	20.4
-82.5°	25.7	23.2	20.7	20.2	19.5	18.9	18.2	17.5	17.0	16.6	16.3
-85°	17.9	15.4	13.0	12.8	12.7	12.5	12.3	12.4	12.4	12.3	12.2
-87.5°	14.1	12.1	10.0	10.0	9.9	9.9	9.8	9.7	9.6	9.4	9.2
-90°	3.0	3.4	3.9	4.4	4.9	5.4	5.9	5.9	5.9	5.9	5.9





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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
87.5°	6.2	6.5	6.8	7.0	7.1	7.3	7.5	7.8	7.8	7.8	7.8
85°	6.4	6.9	7.3	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
82.5°	6.5	6.9	7.4	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	7.4	7.4	7.6	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
75°	7.8	7.8	7.8	7.9	7.9	7.8	7.8	7.8	7.8	7.8	7.8
72.5°	7.8	7.8	7.8	8.0	8.3	8.4	8.1	7.8	7.8	7.8	7.8
70°	10.7	8.3	7.8	8.0	8.4	9.0	8.9	8.4	7.8	7.8	7.8
67.5°	15.8	12.0	9.4	8.0	8.0	8.6	9.5	9.2	8.5	7.8	7.8
65°	27.6	18.5	11.5	9.6	8.3	8.0	8.8	9.6	9.2	8.4	7.8
62.5°	35.6	27.2	18.5	12.3	9.1	8.1	8.0	9.1	9.7	9.1	8.2
60°	39.2	31.3	25.0	18.4	12.0	8.3	7.9	8.6	9.4	9.7	8.7
57.5°	35.8	33.4	28.5	23.2	16.9	10.6	8.1	8.5	9.2	9.7	9.2
55°	30.3	29.3	30.1	26.1	20.7	14.5	9.4	8.6	9.1	9.6	9.7
52.5°	22.5	25.7	28.6	27.7	23.0	17.9	12.4	8.7	9.2	9.6	9.8
50°	16.6	21.4	26.7	28.0	24.9	19.9	15.0	10.6	9.3	9.7	9.9
47.5°	15.3	19.4	23.8	28.2	26.5	21.7	16.8	12.2	9.4	9.8	10.1
45°	15.8	19.2	22.4	26.4	28.2	23.2	18.4	13.4	10.4	10.0	10.2
42.5°	17.4	20.5	22.9	25.2	27.0	24.2	20.0	14.7	11.0	10.2	10.4
40°	22.6	23.0	24.3	26.5	26.1	24.8	20.6	16.0	11.4	10.7	10.7
37.5°	29.4	28.3	27.5	30.4	27.2	24.8	20.9	17.1	12.6	11.5	11.0
35°	39.3	35.9	34.2	36.6	32.8	25.4	20.9	17.8	14.7	12.3	11.4
32.5°	50.7	48.4	46.3	43.8	40.5	26.8	21.4	19.5	16.8	13.2	11.8
30°	68.1	70.8	61.2	51.9	49.4	34.1	24.2	21.7	19.0	14.2	12.3
27.5°	106.4	100.1	80.0	65.0	57.1	43.9	30.1	24.2	21.2	15.4	13.0
25°	156.0	139.1	108.9	81.1	65.4	71.0	37.1	27.3	23.4	17.3	13.8
22.5°	215.8	186.9	142.5	98.6	103.2	106.6	52.1	32.8	25.7	19.1	14.6
20°	283.1	241.8	192.2	163.9	150.9	140.5	78.3	39.0	28.2	20.8	15.3
17.5°	367.9	344.3	312.3	249.4	205.2	177.8	108.9	45.6	30.8	22.6	16.1
15°	602.4	502.2	445.3	344.9	263.2	218.1	142.9	52.6	33.5	24.3	16.9
12.5°	885.3	663.1	587.9	448.2	324.0	260.4	179.2	59.7	36.3	26.2	18.0
10°	1188.2	826.0	737.1	556.6	386.5	304.2	216.6	68.4	40.9	28.3	19.1
7.5°	1501.0	989.5	889.5	667.2	448.7	347.7	257.8	80.5	45.9	30.2	20.3
5°	1783.0	1127.4	1011.7	761.3	504.4	389.5	298.0	92.7	51.0	32.0	21.4
2.5°	1918.9	1223.9	1108.6	848.0	557.9	429.6	335.0	104.4	55.9	33.7	22.5
0°	2026.3	1316.3	1197.0	927.1	608.3	467.5	367.7	115.4	60.6	35.2	23.5
-2.5°	2036.7	1314.0	1185.2	925.9	626.2	482.5	374.6	132.1	74.5	44.7	28.0
-5°	2015.7	1306.4	1165.5	916.7	640.1	494.6	376.5	147.6	87.8	53.7	32.3
-7.5°	1896.9	1263.0	1127.3	898.5	649.6	503.2	373.8	161.8	100.1	62.2	36.3
-10°	1734.2	1197.2	1066.1	857.7	639.0	502.0	367.1	174.4	111.4	69.8	39.7
-12.5°	1544.7	1129.9	1004.2	813.8	622.1	492.6	355.3	186.0	121.5	76.3	42.6
-15°	1329.7	1062.3	943.8	768.6	602.2	481.5	342.2	196.0	130.8	82.3	44.9
-17.5°	1097.4	995.2	886.6	723.2	579.6	468.9	328.5	204.0	138.7	87.9	47.4
-20°	1027.1	943.1	832.8	679.2	554.4	455.1	315.0	209.9	145.2	92.1	49.7



REPORT NUMBER: P701589 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-3S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	986.8	901.7	785.4	645.1	530.6	440.4	302.5	213.6	150.2	94.8	51.0
-25°	947.6	859.9	740.1	615.2	511.2	419.2	297.9	215.1	153.6	95.8	51.1
-27.5°	902.9	815.3	694.8	583.0	492.5	401.6	298.1	218.0	155.2	95.2	50.0
-30°	856.5	764.1	655.1	551.8	472.0	380.3	295.5	219.1	154.1	93.6	47.5
-32.5°	818.6	714.6	615.2	527.3	447.3	357.9	284.3	218.1	150.6	90.6	45.7
-35°	772.8	670.6	574.7	501.1	420.4	339.4	269.2	215.0	144.7	85.7	43.4
-37.5°	723.5	626.7	544.5	472.1	392.6	318.4	255.5	200.5	136.3	78.8	39.9
-40°	672.5	585.0	513.1	441.0	366.2	294.9	239.8	182.8	126.5	70.0	35.3
-42.5°	619.1	547.3	476.9	408.4	338.0	275.5	221.7	163.2	111.1	62.3	29.6
-45°	574.2	505.0	436.7	371.9	308.4	254.0	198.0	142.2	93.9	54.3	25.2
-47.5°	524.9	457.6	393.9	332.9	282.0	229.1	172.2	121.4	75.5	44.8	24.0
-50°	469.6	407.8	349.0	297.9	251.9	198.2	145.3	99.3	62.4	33.1	22.5
-52.5°	413.9	356.6	307.4	263.2	215.5	165.2	119.0	76.7	48.5	27.9	20.8
-55°	356.0	309.7	267.9	223.2	176.6	133.2	91.2	60.5	34.1	25.3	19.0
-57.5°	305.8	265.3	222.9	179.7	139.1	100.4	68.8	43.7	28.5	22.7	17.9
-60°	255.4	214.8	174.7	137.8	102.0	72.5	49.5	30.9	25.5	20.2	16.5
-62.5°	198.8	162.8	129.1	96.3	71.3	50.4	32.5	27.4	22.3	18.6	15.1
-65°	145.1	114.5	84.2	65.5	46.7	32.6	28.5	23.8	20.1	16.9	13.8
-67.5°	93.9	74.1	55.3	38.4	31.9	28.1	24.3	21.2	18.2	15.1	12.8
-70°	58.0	41.4	33.7	30.2	26.9	23.8	21.6	19.0	16.2	14.0	11.8
-72.5°	35.4	31.7	28.1	25.0	23.1	21.1	19.0	16.9	14.9	12.8	10.8
-75°	28.3	25.9	23.7	21.8	20.1	18.3	16.9	15.4	13.5	11.6	10.4
-77.5°	23.5	21.7	20.1	18.6	17.2	16.0	15.0	13.9	12.3	11.0	10.2
-80°	19.1	17.9	16.6	15.4	14.5	13.7	13.1	12.4	11.3	10.5	10.0
-82.5°	15.2	14.2	13.4	12.6	12.2	11.7	11.3	10.8	10.2	9.8	9.6
-85°	11.7	11.2	10.7	10.4	10.1	9.8	9.6	9.5	9.3	9.2	9.0
-87.5°	9.2	9.1	9.0	8.9	8.9	8.8	8.7	8.6	8.6	8.5	8.4
-90°	5.9	5.9	5.9	5.9	6.4	6.9	7.3	7.8	7.8	7.8	7.8



REPORT NUMBER: P701589 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-3S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
85°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
82.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
75°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
72.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
70°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
67.5°	7.9	7.8	7.8	7.8	7.8	7.8	7.8
65°	7.9	7.9	7.8	7.8	7.8	7.8	7.8
62.5°	8.0	8.0	7.8	7.8	7.8	7.8	7.8
60°	8.2	8.2	7.8	7.8	7.8	7.8	7.8
57.5°	8.6	8.4	8.0	7.8	7.8	7.8	7.8
55°	8.9	8.6	8.2	7.8	7.9	7.8	7.8
52.5°	9.3	8.8	8.4	7.8	7.9	7.8	7.8
50°	9.6	9.1	8.6	7.8	7.9	7.8	7.8
47.5°	9.8	9.3	8.9	7.8	8.0	7.8	7.8
45°	10.0	9.4	9.1	8.0	8.0	7.8	7.8
42.5°	10.2	9.6	9.3	8.2	8.1	7.8	7.8
40°	10.4	9.7	9.5	8.4	8.2	7.8	7.8
37.5°	10.6	9.8	9.6	8.7	8.3	7.8	7.8
35°	10.9	9.9	9.7	8.9	8.3	7.8	7.8
32.5°	11.2	10.1	9.7	9.0	8.4	7.8	7.8
30°	11.5	10.3	9.8	9.2	8.5	7.8	7.8
27.5°	11.8	10.5	9.8	9.3	8.6	7.8	7.8
25°	12.2	10.8	9.8	9.4	8.7	7.8	7.8
22.5°	12.5	11.0	9.8	9.5	8.8	7.8	7.8
20°	12.9	11.1	9.8	9.6	9.0	7.8	7.8
17.5°	13.1	11.3	9.8	9.7	9.1	7.8	7.8
15°	13.3	11.4	9.8	9.7	9.2	7.8	7.8
12.5°	13.4	11.5	9.8	9.8	9.3	7.8	7.8
10°	13.5	11.6	9.8	9.8	9.4	7.8	7.8
7.5°	13.6	11.6	9.8	9.8	9.5	7.8	7.8
5°	13.7	11.7	9.8	9.8	9.6	7.8	7.8
2.5°	13.7	11.7	9.8	9.8	9.7	7.8	7.8
0°	13.7	11.7	9.8	9.8	9.7	7.8	7.8
-2.5°	15.5	12.1	10.0	9.8	9.8	7.8	7.8
-5°	17.3	12.5	10.1	9.8	9.8	7.8	7.8
-7.5°	18.9	12.9	10.3	9.8	9.8	7.8	7.8
-10°	20.3	13.2	10.4	9.8	9.7	7.8	7.8
-12.5°	21.6	13.5	10.6	9.8	9.7	7.8	7.8
-15°	22.5	13.7	10.7	9.8	9.7	7.8	7.8
-17.5°	23.2	13.9	10.7	9.8	9.6	7.8	7.8
-20°	23.9	14.0	10.8	9.8	9.6	7.8	7.8



REPORT NUMBER: P701589 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-3S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	24.6	14.0	10.8	9.8	9.5	7.8	7.8
-25°	24.7	14.1	10.8	9.8	9.4	7.8	7.8
-27.5°	24.2	14.2	10.8	9.8	9.3	7.8	7.8
-30°	22.9	14.2	10.7	9.8	9.3	7.8	7.8
-32.5°	20.9	14.1	10.7	9.8	9.2	7.8	7.8
-35°	20.1	13.9	10.7	9.8	9.1	7.8	7.8
-37.5°	19.8	13.7	10.6	9.8	9.0	7.8	7.8
-40°	19.3	13.6	10.5	9.8	8.9	7.8	7.8
-42.5°	18.6	13.4	10.5	9.8	8.7	7.8	7.8
-45°	17.8	13.1	10.5	9.8	8.6	7.8	7.8
-47.5°	16.8	12.8	10.5	9.8	8.5	7.8	7.8
-50°	16.1	12.4	10.4	9.7	8.4	7.8	7.8
-52.5°	15.5	11.9	10.3	9.5	8.2	7.8	7.8
-55°	14.7	11.6	10.2	9.3	8.1	7.8	7.8
-57.5°	13.8	11.3	10.0	9.1	7.9	7.8	7.8
-60°	12.9	10.9	9.8	8.9	7.8	7.8	7.8
-62.5°	12.2	10.5	9.6	8.8	7.8	7.8	7.8
-65°	11.5	10.0	9.4	8.6	7.8	7.8	7.8
-67.5°	10.8	9.7	9.3	8.4	7.8	7.8	7.8
-70°	9.9	9.6	9.1	8.2	7.8	7.8	7.8
-72.5°	9.8	9.5	8.9	8.2	7.8	7.8	7.8
-75°	9.8	9.4	8.8	8.1	7.8	7.8	7.8
-77.5°	9.8	9.3	8.6	8.1	7.8	7.8	7.8
-80°	9.8	9.1	8.5	8.0	7.8	7.8	7.8
-82.5°	9.3	8.8	8.3	8.0	7.8	7.8	7.8
-85°	8.8	8.4	8.1	7.9	7.8	7.8	7.8
-87.5°	8.3	8.1	8.0	7.9	7.8	7.8	7.8
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8

(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

