

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: P701454 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-70-4S-HEG-S**

Issue Date: 8/15/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701454 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/15/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0640L-57-70-4S-HEG-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

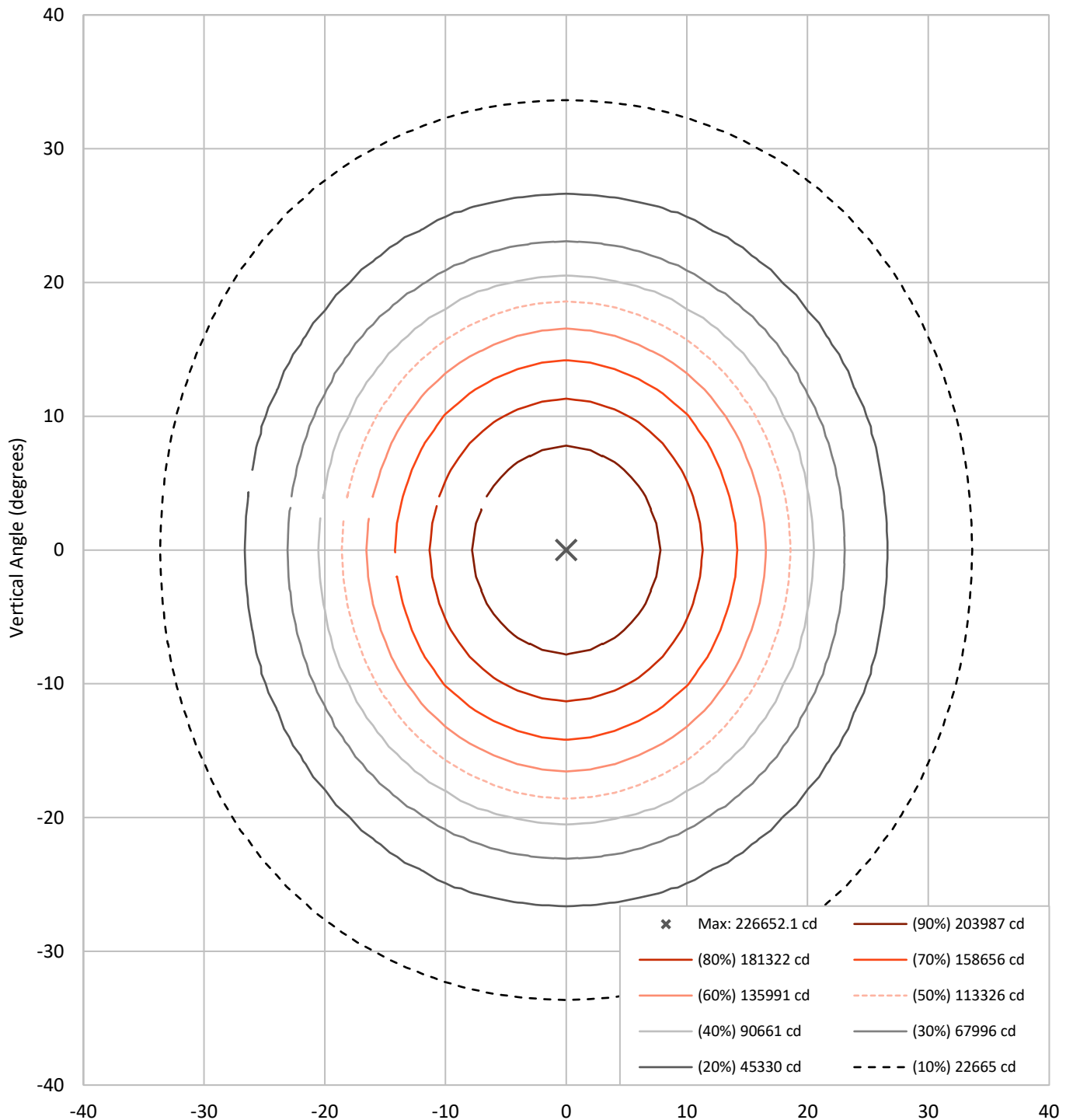
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	104670.1 lumens	Max Intensity:	226652.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	159.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	37.2°H x 37.2°V	Field Angle (10%):	67.2°H x 67.2°V
Beam Lumens:	54490.3 lumens	Field Lumens:	91534.5 lumens
Beam Efficiency:	52.1%	Field Efficiency:	87.5%

Input Watts (W): 658  
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





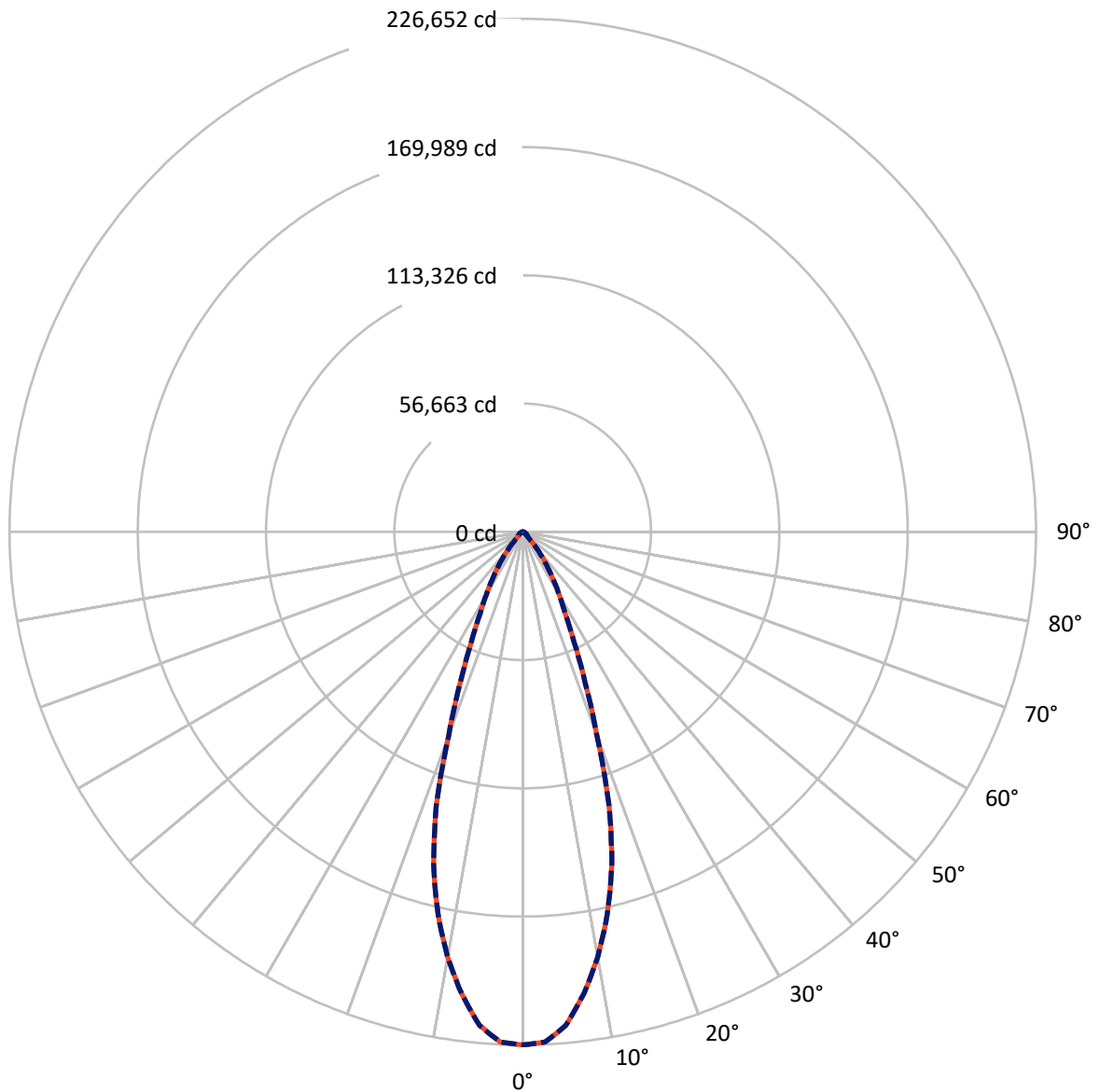
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### Lumen Table

90															90				
80	0.1	0.8		3.1		7.4		9.7		7.4		3.1		0.8		0.1			
70															70				
60	0.4	0.5	1.9	5.2	10.9	17.7	23.6	27.0	27.0	23.6	17.7	10.9	5.2	1.9	0.5	0.4			
50		1.4	6.2	16.8	30.9	43.5	52.7	57.8	57.8	52.7	43.5	30.9	16.8	6.2	1.4				
40	1.0	3.2	13.8	31.4	48.8	67.7	97.2	128.3	128.3	97.2	67.7	48.8	31.4	13.8	3.2	1.0			
30		5.8	21.9	42.2	73.2	196.9	416.6	577.9	577.9	416.6	196.9	73.2	42.2	21.9	5.8				
20	2.2	8.6	27.8	53.0	179.3	560.2	1095.4	1628.9	1628.9	1095.4	560.2	179.3	53.0	27.8	8.6	2.2			
10		10.7	31.6	72.0	356.8	1031.4	2554.4	4193.1	4193.1	2554.4	1031.4	356.8	72.0	31.6	10.7				
0	2.7	11.9	33.6	92.8	480.2	1491.5	4074.6	6137.6	6137.6	4074.6	1491.5	480.2	92.8	33.6	11.9	2.7			
-10		11.9	33.6	92.8	480.2	1491.5	4074.6	6137.6	6137.6	4074.6	1491.5	480.2	92.8	33.6	11.9				
-20	2.2	10.7	31.6	72.0	356.8	1031.4	2554.4	4193.1	4193.1	2554.4	1031.4	356.8	72.0	31.6	10.7	2.2			
-30		8.6	27.8	53.0	179.3	560.2	1095.4	1628.9	1628.9	1095.4	560.2	179.3	53.0	27.8	8.6				
-40	1.0	5.8	21.9	42.2	73.2	196.9	416.6	577.9	577.9	416.6	196.9	73.2	42.2	21.9	5.8	1.0			
-50		3.2	13.8	31.4	48.8	67.7	97.2	128.3	128.3	97.2	67.7	48.8	31.4	13.8	3.2				
-60	0.4	1.4	6.2	16.8	30.9	43.5	52.7	57.8	57.8	52.7	43.5	30.9	16.8	6.2	1.4	0.4			
-70		0.5	1.9	5.2	10.9	17.7	23.6	27.0	27.0	23.6	17.7	10.9	5.2	1.9	0.5				
-80															-80				
-90	0.1	0.8		3.1		7.4		9.7		7.4		3.1		0.8		0.1			
-90	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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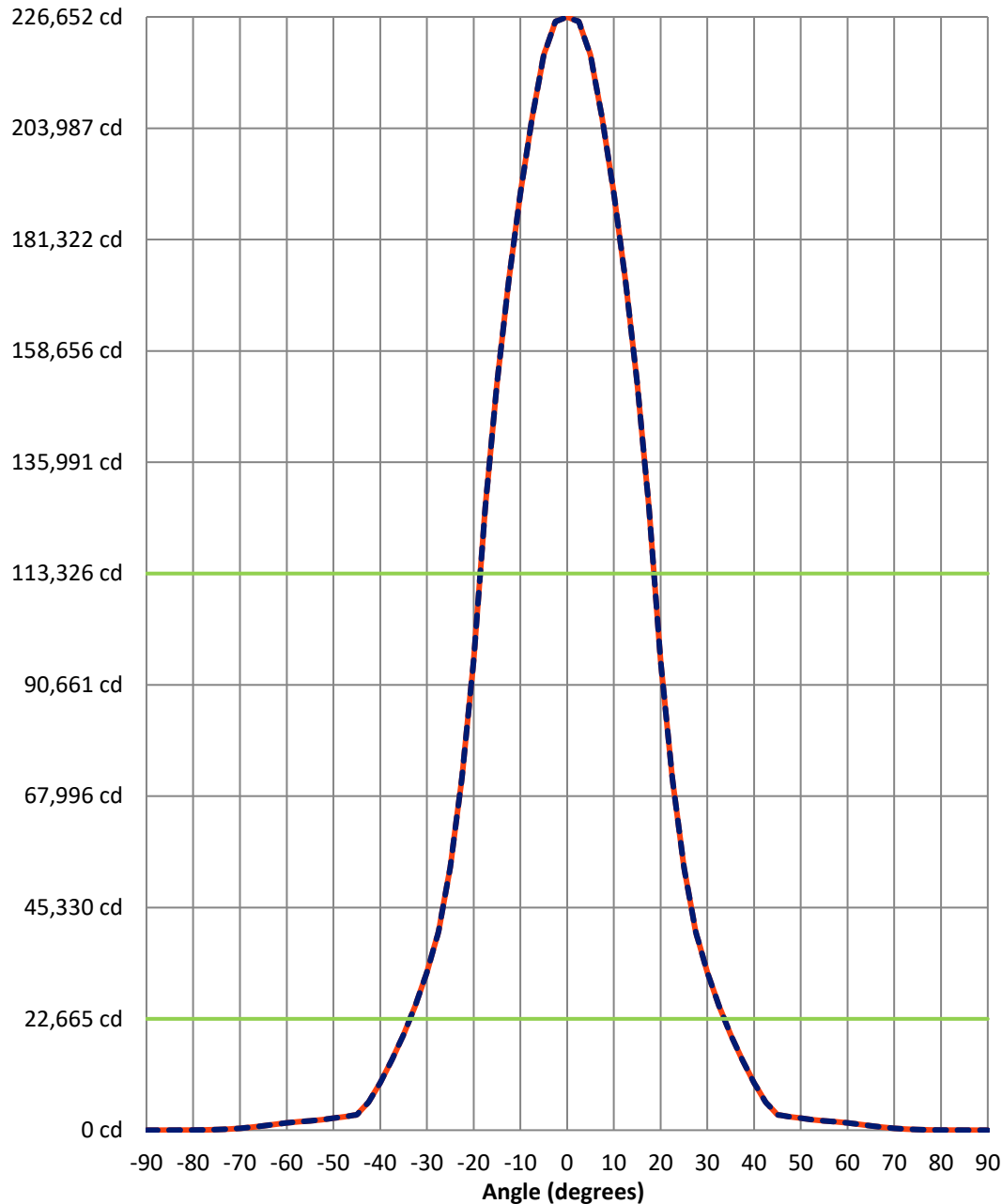
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 37.2°  
V Angle: 37.2°  
Lumens: 54490.3  
Efficiency: 52.1%

**Field:**  
H Angle: 67.2°  
V Angle: 67.2°  
Lumens: 91534.5  
Efficiency: 87.5%

**Spill:**  
Lumens: 13135.5  
Efficiency: 12.5%

- 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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.5	0.7	0.9	1.1	1.3	1.6	1.8	2.0	2.2
85°	0.0	0.5	0.9	1.4	1.8	2.2	2.7	3.1	3.6	4.0	4.4
82.5°	0.0	0.7	1.4	2.0	2.7	3.4	4.0	4.7	5.3	6.0	6.6
80°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.2	7.1	8.0	8.8
77.5°	0.0	1.1	2.2	3.4	4.5	5.6	6.7	7.8	8.9	10.0	11.4
75°	0.0	1.3	2.7	4.0	5.4	6.7	8.0	9.4	10.8	12.9	15.0
72.5°	0.0	1.6	3.1	4.7	6.2	7.8	9.4	11.2	13.6	16.1	18.5
70°	0.0	1.8	3.6	5.3	7.1	8.9	10.8	13.6	16.5	19.3	22.0
67.5°	0.0	2.0	4.0	6.0	8.0	10.0	12.9	16.1	19.3	22.4	25.5
65°	0.0	2.2	4.4	6.6	8.8	11.4	15.0	18.5	22.0	25.5	31.1
62.5°	0.0	2.4	4.8	7.2	9.6	13.1	17.0	20.9	24.7	29.9	41.9
60°	0.0	2.6	5.2	7.8	10.5	14.7	19.0	23.2	27.4	39.4	52.4
57.5°	0.0	2.8	5.6	8.4	11.7	16.3	20.9	25.5	34.5	48.7	72.8
55°	0.0	3.0	6.0	9.0	13.0	17.9	22.8	27.7	42.6	60.7	97.3
52.5°	0.0	3.2	6.3	9.6	14.2	19.4	24.6	34.0	50.4	82.2	121.2
50°	0.0	3.3	6.7	10.1	15.4	20.9	26.4	40.7	61.2	103.1	152.4
47.5°	0.0	3.5	7.1	10.7	16.5	22.4	28.7	47.1	79.2	123.2	183.5
45°	0.0	3.7	7.4	11.5	17.6	23.7	34.0	53.3	96.4	150.0	213.6
42.5°	0.0	3.8	7.7	12.3	18.7	25.1	39.1	64.2	113.0	176.0	259.8
40°	0.0	4.0	8.0	13.1	19.7	26.3	43.9	78.0	130.8	200.7	306.9
37.5°	0.0	4.1	8.3	13.8	20.7	27.5	48.5	91.2	151.7	229.0	351.8
35°	0.0	4.3	8.6	14.5	21.6	30.3	52.9	103.6	171.5	267.1	401.5
32.5°	0.0	4.4	8.8	15.1	22.4	33.7	58.7	115.3	190.2	303.0	459.2
30°	0.0	4.5	9.1	15.7	23.2	36.9	68.1	127.3	207.6	336.7	513.3
27.5°	0.0	4.6	9.3	16.2	23.9	39.8	76.8	141.4	228.1	368.0	563.6
25°	0.0	4.7	9.5	16.7	24.6	42.5	84.8	154.4	253.6	405.1	610.4
22.5°	0.0	4.8	9.7	17.2	25.2	45.0	92.0	166.2	276.8	442.9	661.5
20°	0.0	4.9	9.9	17.6	25.8	47.3	98.6	176.9	297.8	477.1	707.7
17.5°	0.0	5.0	10.0	18.0	26.3	49.2	104.4	186.4	316.4	507.4	748.8
15°	0.0	5.0	10.1	18.3	26.7	51.0	109.5	194.7	332.6	533.9	784.6
12.5°	0.0	5.1	10.2	18.6	27.1	52.4	113.8	201.7	346.5	556.4	815.1
10°	0.0	5.1	10.3	18.8	27.4	53.6	117.4	207.5	357.8	575.0	840.2
7.5°	0.0	5.2	10.4	19.0	27.6	54.6	120.1	212.0	366.7	589.4	859.8
5°	0.0	5.2	10.5	19.1	27.8	55.3	122.1	215.2	373.0	599.8	873.8
2.5°	0.0	5.2	10.5	19.2	27.9	55.7	123.3	217.2	376.8	606.0	882.3
0°	0.0	5.2	10.5	19.2	27.9	55.7	123.3	217.2	376.8	606.0	882.3
-2.5°	0.0	5.2	10.5	19.2	27.9	55.7	123.3	217.2	376.8	606.0	882.3
-5°	0.0	5.2	10.5	19.1	27.8	55.3	122.1	215.2	373.0	599.8	873.8
-7.5°	0.0	5.2	10.4	19.0	27.6	54.6	120.1	212.0	366.7	589.4	859.8
-10°	0.0	5.1	10.3	18.8	27.4	53.6	117.4	207.5	357.8	575.0	840.2
-12.5°	0.0	5.1	10.2	18.6	27.1	52.4	113.8	201.7	346.5	556.4	815.1
-15°	0.0	5.0	10.1	18.3	26.7	51.0	109.5	194.7	332.6	533.9	784.6
-17.5°	0.0	5.0	10.0	18.0	26.3	49.2	104.4	186.4	316.4	507.4	748.8
-20°	0.0	4.9	9.9	17.6	25.8	47.3	98.6	176.9	297.8	477.1	707.7



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	4.8	9.7	17.2	25.2	45.0	92.0	166.2	276.8	442.9	661.5
-25°	0.0	4.7	9.5	16.7	24.6	42.5	84.8	154.4	253.6	405.1	610.4
-27.5°	0.0	4.6	9.3	16.2	23.9	39.8	76.8	141.4	228.1	368.0	563.6
-30°	0.0	4.5	9.1	15.7	23.2	36.9	68.1	127.3	207.6	336.7	513.3
-32.5°	0.0	4.4	8.8	15.1	22.4	33.7	58.7	115.3	190.2	303.0	459.2
-35°	0.0	4.3	8.6	14.5	21.6	30.3	52.9	103.6	171.5	267.1	401.5
-37.5°	0.0	4.1	8.3	13.8	20.7	27.5	48.5	91.2	151.7	229.0	351.8
-40°	0.0	4.0	8.0	13.1	19.7	26.3	43.9	78.0	130.8	200.7	306.9
-42.5°	0.0	3.8	7.7	12.3	18.7	25.1	39.1	64.2	113.0	176.0	259.8
-45°	0.0	3.7	7.4	11.5	17.6	23.7	34.0	53.3	96.4	150.0	213.6
-47.5°	0.0	3.5	7.1	10.7	16.5	22.4	28.7	47.1	79.2	123.2	183.5
-50°	0.0	3.3	6.7	10.1	15.4	20.9	26.4	40.7	61.2	103.1	152.4
-52.5°	0.0	3.2	6.3	9.6	14.2	19.4	24.6	34.0	50.4	82.2	121.2
-55°	0.0	3.0	6.0	9.0	13.0	17.9	22.8	27.7	42.6	60.7	97.3
-57.5°	0.0	2.8	5.6	8.4	11.7	16.3	20.9	25.5	34.5	48.7	72.8
-60°	0.0	2.6	5.2	7.8	10.5	14.7	19.0	23.2	27.4	39.4	52.4
-62.5°	0.0	2.4	4.8	7.2	9.6	13.1	17.0	20.9	24.7	29.9	41.9
-65°	0.0	2.2	4.4	6.6	8.8	11.4	15.0	18.5	22.0	25.5	31.1
-67.5°	0.0	2.0	4.0	6.0	8.0	10.0	12.9	16.1	19.3	22.4	25.5
-70°	0.0	1.8	3.6	5.3	7.1	8.9	10.8	13.6	16.5	19.3	22.0
-72.5°	0.0	1.6	3.1	4.7	6.2	7.8	9.4	11.2	13.6	16.1	18.5
-75°	0.0	1.3	2.7	4.0	5.4	6.7	8.0	9.4	10.8	12.9	15.0
-77.5°	0.0	1.1	2.2	3.4	4.5	5.6	6.7	7.8	8.9	10.0	11.4
-80°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.2	7.1	8.0	8.8
-82.5°	0.0	0.7	1.4	2.0	2.7	3.4	4.0	4.7	5.3	6.0	6.6
-85°	0.0	0.5	0.9	1.4	1.8	2.2	2.7	3.1	3.6	4.0	4.4
-87.5°	0.0	0.2	0.5	0.7	0.9	1.1	1.3	1.6	1.8	2.0	2.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	2.6	2.8	3.0	3.2	3.3	3.5	3.7	3.8	4.0	4.1
85°	4.8	5.2	5.6	6.0	6.3	6.7	7.1	7.4	7.7	8.0	8.3
82.5°	7.2	7.8	8.4	9.0	9.6	10.1	10.7	11.5	12.3	13.1	13.8
80°	9.6	10.5	11.7	13.0	14.2	15.4	16.5	17.6	18.7	19.7	20.7
77.5°	13.1	14.7	16.3	17.9	19.4	20.9	22.4	23.7	25.1	26.3	27.5
75°	17.0	19.0	20.9	22.8	24.6	26.4	28.7	34.0	39.1	43.9	48.5
72.5°	20.9	23.2	25.5	27.7	34.0	40.7	47.1	53.3	64.2	78.0	91.2
70°	24.7	27.4	34.5	42.6	50.4	61.2	79.2	96.4	113.0	130.8	151.7
67.5°	29.9	39.4	48.7	60.7	82.2	103.1	123.2	150.0	176.0	200.7	229.0
65°	41.9	52.4	72.8	97.3	121.2	152.4	183.5	213.6	259.8	306.9	351.8
62.5°	53.7	78.8	106.5	137.2	173.6	209.0	261.2	317.6	371.9	443.9	515.1
60°	78.8	109.5	145.7	186.4	232.0	297.8	361.6	442.9	528.2	610.4	704.6
57.5°	106.5	145.7	190.7	246.6	319.9	396.9	496.2	592.4	700.8	808.1	913.6
55°	137.2	186.4	246.6	327.3	418.3	528.5	641.3	766.3	887.2	1016.4	1140.2
52.5°	173.6	232.0	319.9	418.3	539.3	667.5	805.9	946.4	1090.9	1228.7	1357.0
50°	209.0	297.8	396.9	528.5	667.5	819.1	976.2	1136.0	1287.0	1430.4	1549.7
47.5°	261.2	361.6	496.2	641.3	805.9	976.2	1151.1	1316.3	1474.9	1595.5	1708.2
45°	317.6	442.9	592.4	766.3	946.4	1136.0	1316.3	1489.8	1618.6	1737.3	1830.6
42.5°	371.9	528.2	700.8	887.2	1090.9	1287.0	1474.9	1618.6	1746.4	1849.2	1966.7
40°	443.9	610.4	808.1	1016.4	1228.7	1430.4	1595.5	1737.3	1849.2	1979.3	2118.8
37.5°	515.1	704.6	913.6	1140.2	1357.0	1549.7	1708.2	1830.6	1966.7	2118.8	2324.1
35°	582.8	794.0	1022.3	1255.6	1479.4	1650.3	1793.8	1929.3	2093.3	2305.7	2517.7
32.5°	654.6	878.6	1125.2	1363.1	1570.6	1739.4	1873.7	2042.6	2250.7	2484.0	2690.4
30°	726.8	966.4	1220.8	1464.2	1654.4	1809.6	1967.8	2160.1	2412.9	2638.9	2894.8
27.5°	794.0	1048.9	1307.6	1542.5	1729.1	1875.5	2061.9	2302.8	2554.2	2798.6	3109.4
25°	856.2	1125.2	1388.0	1609.5	1785.7	1951.2	2159.3	2436.0	2682.2	2987.1	4140.0
22.5°	916.2	1195.0	1461.6	1671.0	1837.6	2025.9	2273.3	2548.0	2819.7	3205.2	5316.2
20°	973.4	1255.6	1519.2	1724.4	1884.8	2093.8	2377.1	2648.3	2968.4	4208.8	6795.9
17.5°	1024.2	1309.7	1564.6	1763.0	1938.2	2166.5	2468.5	2738.4	3102.1	5114.2	8321.6
15°	1068.7	1357.0	1604.4	1796.8	1987.2	2241.7	2541.7	2843.2	3569.5	6043.3	9681.4
12.5°	1106.6	1397.2	1638.3	1825.7	2029.1	2306.1	2604.3	2936.7	4205.0	7119.5	11060.0
10°	1137.7	1430.4	1666.2	1849.5	2063.6	2359.3	2656.1	3014.1	4732.0	8013.7	12208.0
7.5°	1162.1	1456.3	1688.1	1868.2	2090.7	2401.0	2696.8	3074.9	5146.5	8718.0	13113.9
5°	1179.5	1474.9	1703.7	1881.6	2110.1	2430.9	2726.0	3118.6	5445.1	9226.1	13768.4
2.5°	1190.0	1486.1	1713.2	1889.6	2121.8	2449.0	2743.6	3145.0	5625.3	9532.9	14164.0
0°	1193.5	1489.8	1716.3	1892.3	2125.7	2455.0	2749.5	3153.8	5685.5	9635.5	14296.4
-2.5°	1190.0	1486.1	1713.2	1889.6	2121.8	2449.0	2743.6	3145.0	5625.3	9532.9	14164.0
-5°	1179.5	1474.9	1703.7	1881.6	2110.1	2430.9	2726.0	3118.6	5445.1	9226.1	13768.4
-7.5°	1162.1	1456.3	1688.1	1868.2	2090.7	2401.0	2696.8	3074.9	5146.5	8718.0	13113.9
-10°	1137.7	1430.4	1666.2	1849.5	2063.6	2359.3	2656.1	3014.1	4732.0	8013.7	12208.0
-12.5°	1106.6	1397.2	1638.3	1825.7	2029.1	2306.1	2604.3	2936.7	4205.0	7119.5	11060.0
-15°	1068.7	1357.0	1604.4	1796.8	1987.2	2241.7	2541.7	2843.2	3569.5	6043.3	9681.4
-17.5°	1024.2	1309.7	1564.6	1763.0	1938.2	2166.5	2468.5	2738.4	3102.1	5114.2	8321.6
-20°	973.4	1255.6	1519.2	1724.4	1884.8	2093.8	2377.1	2648.3	2968.4	4208.8	6795.9



REPORT NUMBER: P701454 (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°	916.2	1195.0	1461.6	1671.0	1837.6	2025.9	2273.3	2548.0	2819.7	3205.2	5316.2
-25°	856.2	1125.2	1388.0	1609.5	1785.7	1951.2	2159.3	2436.0	2682.2	2987.1	4140.0
-27.5°	794.0	1048.9	1307.6	1542.5	1729.1	1875.5	2061.9	2302.8	2554.2	2798.6	3109.4
-30°	726.8	966.4	1220.8	1464.2	1654.4	1809.6	1967.8	2160.1	2412.9	2638.9	2894.8
-32.5°	654.6	878.6	1125.2	1363.1	1570.6	1739.4	1873.7	2042.6	2250.7	2484.0	2690.4
-35°	582.8	794.0	1022.3	1255.6	1479.4	1650.3	1793.8	1929.3	2093.3	2305.7	2517.7
-37.5°	515.1	704.6	913.6	1140.2	1357.0	1549.7	1708.2	1830.6	1966.7	2118.8	2324.1
-40°	443.9	610.4	808.1	1016.4	1228.7	1430.4	1595.5	1737.3	1849.2	1979.3	2118.8
-42.5°	371.9	528.2	700.8	887.2	1090.9	1287.0	1474.9	1618.6	1746.4	1849.2	1966.7
-45°	317.6	442.9	592.4	766.3	946.4	1136.0	1316.3	1489.8	1618.6	1737.3	1830.6
-47.5°	261.2	361.6	496.2	641.3	805.9	976.2	1151.1	1316.3	1474.9	1595.5	1708.2
-50°	209.0	297.8	396.9	528.5	667.5	819.1	976.2	1136.0	1287.0	1430.4	1549.7
-52.5°	173.6	232.0	319.9	418.3	539.3	667.5	805.9	946.4	1090.9	1228.7	1357.0
-55°	137.2	186.4	246.6	327.3	418.3	528.5	641.3	766.3	887.2	1016.4	1140.2
-57.5°	106.5	145.7	190.7	246.6	319.9	396.9	496.2	592.4	700.8	808.1	913.6
-60°	78.8	109.5	145.7	186.4	232.0	297.8	361.6	442.9	528.2	610.4	704.6
-62.5°	53.7	78.8	106.5	137.2	173.6	209.0	261.2	317.6	371.9	443.9	515.1
-65°	41.9	52.4	72.8	97.3	121.2	152.4	183.5	213.6	259.8	306.9	351.8
-67.5°	29.9	39.4	48.7	60.7	82.2	103.1	123.2	150.0	176.0	200.7	229.0
-70°	24.7	27.4	34.5	42.6	50.4	61.2	79.2	96.4	113.0	130.8	151.7
-72.5°	20.9	23.2	25.5	27.7	34.0	40.7	47.1	53.3	64.2	78.0	91.2
-75°	17.0	19.0	20.9	22.8	24.6	26.4	28.7	34.0	39.1	43.9	48.5
-77.5°	13.1	14.7	16.3	17.9	19.4	20.9	22.4	23.7	25.1	26.3	27.5
-80°	9.6	10.5	11.7	13.0	14.2	15.4	16.5	17.6	18.7	19.7	20.7
-82.5°	7.2	7.8	8.4	9.0	9.6	10.1	10.7	11.5	12.3	13.1	13.8
-85°	4.8	5.2	5.6	6.0	6.3	6.7	7.1	7.4	7.7	8.0	8.3
-87.5°	2.4	2.6	2.8	3.0	3.2	3.3	3.5	3.7	3.8	4.0	4.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.0	5.1	5.1
85°	8.6	8.8	9.1	9.3	9.5	9.7	9.9	10.0	10.1	10.2	10.3
82.5°	14.5	15.1	15.7	16.2	16.7	17.2	17.6	18.0	18.3	18.6	18.8
80°	21.6	22.4	23.2	23.9	24.6	25.2	25.8	26.3	26.7	27.1	27.4
77.5°	30.3	33.7	36.9	39.8	42.5	45.0	47.3	49.2	51.0	52.4	53.6
75°	52.9	58.7	68.1	76.8	84.8	92.0	98.6	104.4	109.5	113.8	117.4
72.5°	103.6	115.3	127.3	141.4	154.4	166.2	176.9	186.4	194.7	201.7	207.5
70°	171.5	190.2	207.6	228.1	253.6	276.8	297.8	316.4	332.6	346.5	357.8
67.5°	267.1	303.0	336.7	368.0	405.1	442.9	477.1	507.4	533.9	556.4	575.0
65°	401.5	459.2	513.3	563.6	610.4	661.5	707.7	748.8	784.6	815.1	840.2
62.5°	582.8	654.6	726.8	794.0	856.2	916.2	973.4	1024.2	1068.7	1106.6	1137.7
60°	794.0	878.6	966.4	1048.9	1125.2	1195.0	1255.6	1309.7	1357.0	1397.2	1430.4
57.5°	1022.3	1125.2	1220.8	1307.6	1388.0	1461.6	1519.2	1564.6	1604.4	1638.3	1666.2
55°	1255.6	1363.1	1464.2	1542.5	1609.5	1671.0	1724.4	1763.0	1796.8	1825.7	1849.5
52.5°	1479.4	1570.6	1654.4	1729.1	1785.7	1837.6	1884.8	1938.2	1987.2	2029.1	2063.6
50°	1650.3	1739.4	1809.6	1875.5	1951.2	2025.9	2093.8	2166.5	2241.7	2306.1	2359.3
47.5°	1793.8	1873.7	1967.8	2061.9	2159.3	2273.3	2377.1	2468.5	2541.7	2604.3	2656.1
45°	1929.3	2042.6	2160.1	2302.8	2436.0	2548.0	2648.3	2738.4	2843.2	2936.7	3014.1
42.5°	2093.3	2250.7	2412.9	2554.2	2682.2	2819.7	2968.4	3102.1	3569.5	4205.0	4732.0
40°	2305.7	2484.0	2638.9	2798.6	2987.1	3205.2	4208.8	5114.2	6043.3	7119.5	8013.7
37.5°	2517.7	2690.4	2894.8	3109.4	4140.0	5316.2	6795.9	8321.6	9681.4	11060.0	12208.0
35°	2707.7	2943.4	3342.8	4776.0	6375.3	8344.2	10253.6	12197.5	13926.4	15538.2	16915.3
32.5°	2943.4	3499.7	5097.9	7148.3	9400.4	11847.9	14151.8	16448.6	18512.0	20432.7	22153.1
30°	3342.8	5097.9	7408.3	9990.1	12823.7	15610.4	18338.6	21038.6	23601.3	25924.4	28111.8
27.5°	4776.0	7148.3	9990.1	13152.4	16359.2	19509.3	22867.0	26059.5	29295.0	32133.0	35054.0
25°	6375.3	9400.4	12823.7	16359.2	19957.7	23799.0	27747.0	31625.5	35798.9	39582.4	44115.3
22.5°	8344.2	11847.9	15610.4	19509.3	23799.0	28317.5	32965.5	38074.2	44022.3	50529.0	57090.5
20°	10253.6	14151.8	18338.6	22867.0	27747.0	32965.5	38845.9	46570.0	54920.0	64867.8	73985.8
17.5°	12197.5	16448.6	21038.6	26059.5	31625.5	38074.2	46570.0	56821.4	68900.0	82366.6	94917.4
15°	13926.4	18512.0	23601.3	29295.0	35798.9	44022.3	54920.0	68900.0	85241.2	102732.7	121071.8
12.5°	15538.2	20432.7	25924.4	32133.0	39582.4	50529.0	64867.8	82366.6	102732.7	125526.0	142391.5
10°	16915.3	22153.1	28111.8	35054.0	44115.3	57090.5	73985.8	94917.4	121071.8	142391.5	159767.8
7.5°	18004.5	23517.7	29852.6	37390.7	48169.3	63361.2	83183.6	108226.4	134596.3	155958.8	173043.1
5°	18792.7	24507.4	31118.6	39095.9	51140.8	67984.1	90016.9	118389.7	144050.1	165262.8	182511.3
2.5°	19269.8	25107.3	31887.6	40134.3	52956.1	70820.3	94233.6	124712.7	150002.5	170971.9	188576.0
0°	19429.6	25308.4	32145.6	40483.0	53566.8	71776.6	95659.8	126861.0	152038.8	172864.9	190720.2
-2.5°	19269.8	25107.3	31887.6	40134.3	52956.1	70820.3	94233.6	124712.7	150002.5	170971.9	188576.0
-5°	18792.7	24507.4	31118.6	39095.9	51140.8	67984.1	90016.9	118389.7	144050.1	165262.8	182511.3
-7.5°	18004.5	23517.7	29852.6	37390.7	48169.3	63361.2	83183.6	108226.4	134596.3	155958.8	173043.1
-10°	16915.3	22153.1	28111.8	35054.0	44115.3	57090.5	73985.8	94917.4	121071.8	142391.5	159767.8
-12.5°	15538.2	20432.7	25924.4	32133.0	39582.4	50529.0	64867.8	82366.6	102732.7	125526.0	142391.5
-15°	13926.4	18512.0	23601.3	29295.0	35798.9	44022.3	54920.0	68900.0	85241.2	102732.7	121071.8
-17.5°	12197.5	16448.6	21038.6	26059.5	31625.5	38074.2	46570.0	56821.4	68900.0	82366.6	94917.4
-20°	10253.6	14151.8	18338.6	22867.0	27747.0	32965.5	38845.9	46570.0	54920.0	64867.8	73985.8



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 CATALOG NUMBER: EPH-LS-08-0640L-57-70-4S-HEG-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8344.2	11847.9	15610.4	19509.3	23799.0	28317.5	32965.5	38074.2	44022.3	50529.0	57090.5
-25°	6375.3	9400.4	12823.7	16359.2	19957.7	23799.0	27747.0	31625.5	35798.9	39582.4	44115.3
-27.5°	4776.0	7148.3	9990.1	13152.4	16359.2	19509.3	22867.0	26059.5	29295.0	32133.0	35054.0
-30°	3342.8	5097.9	7408.3	9990.1	12823.7	15610.4	18338.6	21038.6	23601.3	25924.4	28111.8
-32.5°	2943.4	3499.7	5097.9	7148.3	9400.4	11847.9	14151.8	16448.6	18512.0	20432.7	22153.1
-35°	2707.7	2943.4	3342.8	4776.0	6375.3	8344.2	10253.6	12197.5	13926.4	15538.2	16915.3
-37.5°	2517.7	2690.4	2894.8	3109.4	4140.0	5316.2	6795.9	8321.6	9681.4	11060.0	12208.0
-40°	2305.7	2484.0	2638.9	2798.6	2987.1	3205.2	4208.8	5114.2	6043.3	7119.5	8013.7
-42.5°	2093.3	2250.7	2412.9	2554.2	2682.2	2819.7	2968.4	3102.1	3569.5	4205.0	4732.0
-45°	1929.3	2042.6	2160.1	2302.8	2436.0	2548.0	2648.3	2738.4	2843.2	2936.7	3014.1
-47.5°	1793.8	1873.7	1967.8	2061.9	2159.3	2273.3	2377.1	2468.5	2541.7	2604.3	2656.1
-50°	1650.3	1739.4	1809.6	1875.5	1951.2	2025.9	2093.8	2166.5	2241.7	2306.1	2359.3
-52.5°	1479.4	1570.6	1654.4	1729.1	1785.7	1837.6	1884.8	1938.2	1987.2	2029.1	2063.6
-55°	1255.6	1363.1	1464.2	1542.5	1609.5	1671.0	1724.4	1763.0	1796.8	1825.7	1849.5
-57.5°	1022.3	1125.2	1220.8	1307.6	1388.0	1461.6	1519.2	1564.6	1604.4	1638.3	1666.2
-60°	794.0	878.6	966.4	1048.9	1125.2	1195.0	1255.6	1309.7	1357.0	1397.2	1430.4
-62.5°	582.8	654.6	726.8	794.0	856.2	916.2	973.4	1024.2	1068.7	1106.6	1137.7
-65°	401.5	459.2	513.3	563.6	610.4	661.5	707.7	748.8	784.6	815.1	840.2
-67.5°	267.1	303.0	336.7	368.0	405.1	442.9	477.1	507.4	533.9	556.4	575.0
-70°	171.5	190.2	207.6	228.1	253.6	276.8	297.8	316.4	332.6	346.5	357.8
-72.5°	103.6	115.3	127.3	141.4	154.4	166.2	176.9	186.4	194.7	201.7	207.5
-75°	52.9	58.7	68.1	76.8	84.8	92.0	98.6	104.4	109.5	113.8	117.4
-77.5°	30.3	33.7	36.9	39.8	42.5	45.0	47.3	49.2	51.0	52.4	53.6
-80°	21.6	22.4	23.2	23.9	24.6	25.2	25.8	26.3	26.7	27.1	27.4
-82.5°	14.5	15.1	15.7	16.2	16.7	17.2	17.6	18.0	18.3	18.6	18.8
-85°	8.6	8.8	9.1	9.3	9.5	9.7	9.9	10.0	10.1	10.2	10.3
-87.5°	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.0	5.1	5.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701454 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-4S-HEG-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.0	5.0
85°	10.4	10.5	10.5	10.5	10.5	10.5	10.4	10.3	10.2	10.1	10.0
82.5°	19.0	19.1	19.2	19.2	19.2	19.1	19.0	18.8	18.6	18.3	18.0
80°	27.6	27.8	27.9	27.9	27.9	27.8	27.6	27.4	27.1	26.7	26.3
77.5°	54.6	55.3	55.7	55.8	55.7	55.3	54.6	53.6	52.4	51.0	49.2
75°	120.1	122.1	123.3	123.7	123.3	122.1	120.1	117.4	113.8	109.5	104.4
72.5°	212.0	215.2	217.2	217.8	217.2	215.2	212.0	207.5	201.7	194.7	186.4
70°	366.7	373.0	376.8	378.1	376.8	373.0	366.7	357.8	346.5	332.6	316.4
67.5°	589.4	599.8	606.0	608.1	606.0	599.8	589.4	575.0	556.4	533.9	507.4
65°	859.8	873.8	882.3	885.1	882.3	873.8	859.8	840.2	815.1	784.6	748.8
62.5°	1162.1	1179.5	1190.0	1193.5	1190.0	1179.5	1162.1	1137.7	1106.6	1068.7	1024.2
60°	1456.3	1474.9	1486.1	1489.8	1486.1	1474.9	1456.3	1430.4	1397.2	1357.0	1309.7
57.5°	1688.1	1703.7	1713.2	1716.3	1713.2	1703.7	1688.1	1666.2	1638.3	1604.4	1564.6
55°	1868.2	1881.6	1889.6	1892.3	1889.6	1881.6	1868.2	1849.5	1825.7	1796.8	1763.0
52.5°	2090.7	2110.1	2121.8	2125.7	2121.8	2110.1	2090.7	2063.6	2029.1	1987.2	1938.2
50°	2401.0	2430.9	2449.0	2455.0	2449.0	2430.9	2401.0	2359.3	2306.1	2241.7	2166.5
47.5°	2696.8	2726.0	2743.6	2749.5	2743.6	2726.0	2696.8	2656.1	2604.3	2541.7	2468.5
45°	3074.9	3118.6	3145.0	3153.8	3145.0	3118.6	3074.9	3014.1	2936.7	2843.2	2738.4
42.5°	5146.5	5445.1	5625.3	5685.5	5625.3	5445.1	5146.5	4732.0	4205.0	3569.5	3102.1
40°	8718.0	9226.1	9532.9	9635.5	9532.9	9226.1	8718.0	8013.7	7119.5	6043.3	5114.2
37.5°	13113.9	13768.4	14164.0	14296.4	14164.0	13768.4	13113.9	12208.0	11060.0	9681.4	8321.6
35°	18004.5	18792.7	19269.8	19429.6	19269.8	18792.7	18004.5	16915.3	15538.2	13926.4	12197.5
32.5°	23517.7	24507.4	25107.3	25308.4	25107.3	24507.4	23517.7	22153.1	20432.7	18512.0	16448.6
30°	29852.6	31118.6	31887.6	32145.6	31887.6	31118.6	29852.6	28111.8	25924.4	23601.3	21038.6
27.5°	37390.7	39095.9	40134.3	40483.0	40134.3	39095.9	37390.7	35054.0	32133.0	29295.0	26059.5
25°	48169.3	51140.8	52956.1	53566.8	52956.1	51140.8	48169.3	44115.3	39582.4	35798.9	31625.5
22.5°	63361.2	67984.1	70820.3	71776.6	70820.3	67984.1	63361.2	57090.5	50529.0	44022.3	38074.2
20°	83183.6	90016.9	94233.6	95659.8	94233.6	90016.9	83183.6	73985.8	64867.8	54920.0	46570.0
17.5°	108226.4	118389.7	124712.7	126861.0	124712.7	118389.7	108226.4	94917.4	82366.6	68900.0	56821.4
15°	134596.3	144050.1	150002.5	152038.8	150002.5	144050.1	134596.3	121071.8	102732.7	85241.2	68900.0
12.5°	155958.8	165262.8	170971.9	172864.9	170971.9	165262.8	155958.8	142391.5	125526.0	102732.7	82366.6
10°	173043.1	182511.3	188576.0	190720.2	188576.0	182511.3	173043.1	159767.8	142391.5	121071.8	94917.4
7.5°	186558.1	197244.8	203717.6	206021.2	203717.6	197244.8	186558.1	173043.1	155958.8	134596.3	108226.4
5°	197244.8	208496.0	216157.2	218853.1	216157.2	208496.0	197244.8	182511.3	165262.8	144050.1	118389.7
2.5°	203717.6	216157.2	223557.9	225684.2	223557.9	216157.2	203717.6	188576.0	170971.9	150002.5	124712.7
0°	206021.2	218853.1	225684.2	226652.1	225684.2	218853.1	206021.2	190720.2	172864.9	152038.8	126861.0
-2.5°	203717.6	216157.2	223557.9	225684.2	223557.9	216157.2	203717.6	188576.0	170971.9	150002.5	124712.7
-5°	197244.8	208496.0	216157.2	218853.1	216157.2	208496.0	197244.8	182511.3	165262.8	144050.1	118389.7
-7.5°	186558.1	197244.8	203717.6	206021.2	203717.6	197244.8	186558.1	173043.1	155958.8	134596.3	108226.4
-10°	173043.1	182511.3	188576.0	190720.2	188576.0	182511.3	173043.1	159767.8	142391.5	121071.8	94917.4
-12.5°	155958.8	165262.8	170971.9	172864.9	170971.9	165262.8	155958.8	142391.5	125526.0	102732.7	82366.6
-15°	134596.3	144050.1	150002.5	152038.8	150002.5	144050.1	134596.3	121071.8	102732.7	85241.2	68900.0
-17.5°	108226.4	118389.7	124712.7	126861.0	124712.7	118389.7	108226.4	94917.4	82366.6	68900.0	56821.4
-20°	83183.6	90016.9	94233.6	95659.8	94233.6	90016.9	83183.6	73985.8	64867.8	54920.0	46570.0



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	63361.2	67984.1	70820.3	71776.6	70820.3	67984.1	63361.2	57090.5	50529.0	44022.3	38074.2
-25°	48169.3	51140.8	52956.1	53566.8	52956.1	51140.8	48169.3	44115.3	39582.4	35798.9	31625.5
-27.5°	37390.7	39095.9	40134.3	40483.0	40134.3	39095.9	37390.7	35054.0	32133.0	29295.0	26059.5
-30°	29852.6	31118.6	31887.6	32145.6	31887.6	31118.6	29852.6	28111.8	25924.4	23601.3	21038.6
-32.5°	23517.7	24507.4	25107.3	25308.4	25107.3	24507.4	23517.7	22153.1	20432.7	18512.0	16448.6
-35°	18004.5	18792.7	19269.8	19429.6	19269.8	18792.7	18004.5	16915.3	15538.2	13926.4	12197.5
-37.5°	13113.9	13768.4	14164.0	14296.4	14164.0	13768.4	13113.9	12208.0	11060.0	9681.4	8321.6
-40°	8718.0	9226.1	9532.9	9635.5	9532.9	9226.1	8718.0	8013.7	7119.5	6043.3	5114.2
-42.5°	5146.5	5445.1	5625.3	5685.5	5625.3	5445.1	5146.5	4732.0	4205.0	3569.5	3102.1
-45°	3074.9	3118.6	3145.0	3153.8	3145.0	3118.6	3074.9	3014.1	2936.7	2843.2	2738.4
-47.5°	2696.8	2726.0	2743.6	2749.5	2743.6	2726.0	2696.8	2656.1	2604.3	2541.7	2468.5
-50°	2401.0	2430.9	2449.0	2455.0	2449.0	2430.9	2401.0	2359.3	2306.1	2241.7	2166.5
-52.5°	2090.7	2110.1	2121.8	2125.7	2121.8	2110.1	2090.7	2063.6	2029.1	1987.2	1938.2
-55°	1868.2	1881.6	1889.6	1892.3	1889.6	1881.6	1868.2	1849.5	1825.7	1796.8	1763.0
-57.5°	1688.1	1703.7	1713.2	1716.3	1713.2	1703.7	1688.1	1666.2	1638.3	1604.4	1564.6
-60°	1456.3	1474.9	1486.1	1489.8	1486.1	1474.9	1456.3	1430.4	1397.2	1357.0	1309.7
-62.5°	1162.1	1179.5	1190.0	1193.5	1190.0	1179.5	1162.1	1137.7	1106.6	1068.7	1024.2
-65°	859.8	873.8	882.3	885.1	882.3	873.8	859.8	840.2	815.1	784.6	748.8
-67.5°	589.4	599.8	606.0	608.1	606.0	599.8	589.4	575.0	556.4	533.9	507.4
-70°	366.7	373.0	376.8	378.1	376.8	373.0	366.7	357.8	346.5	332.6	316.4
-72.5°	212.0	215.2	217.2	217.8	217.2	215.2	212.0	207.5	201.7	194.7	186.4
-75°	120.1	122.1	123.3	123.7	123.3	122.1	120.1	117.4	113.8	109.5	104.4
-77.5°	54.6	55.3	55.7	55.8	55.7	55.3	54.6	53.6	52.4	51.0	49.2
-80°	27.6	27.8	27.9	27.9	27.9	27.8	27.6	27.4	27.1	26.7	26.3
-82.5°	19.0	19.1	19.2	19.2	19.2	19.1	19.0	18.8	18.6	18.3	18.0
-85°	10.4	10.5	10.5	10.5	10.5	10.5	10.4	10.3	10.2	10.1	10.0
-87.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.0	5.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7
85°	9.9	9.7	9.5	9.3	9.1	8.8	8.6	8.3	8.0	7.7	7.4
82.5°	17.6	17.2	16.7	16.2	15.7	15.1	14.5	13.8	13.1	12.3	11.5
80°	25.8	25.2	24.6	23.9	23.2	22.4	21.6	20.7	19.7	18.7	17.6
77.5°	47.3	45.0	42.5	39.8	36.9	33.7	30.3	27.5	26.3	25.1	23.7
75°	98.6	92.0	84.8	76.8	68.1	58.7	52.9	48.5	43.9	39.1	34.0
72.5°	176.9	166.2	154.4	141.4	127.3	115.3	103.6	91.2	78.0	64.2	53.3
70°	297.8	276.8	253.6	228.1	207.6	190.2	171.5	151.7	130.8	113.0	96.4
67.5°	477.1	442.9	405.1	368.0	336.7	303.0	267.1	229.0	200.7	176.0	150.0
65°	707.7	661.5	610.4	563.6	513.3	459.2	401.5	351.8	306.9	259.8	213.6
62.5°	973.4	916.2	856.2	794.0	726.8	654.6	582.8	515.1	443.9	371.9	317.6
60°	1255.6	1195.0	1125.2	1048.9	966.4	878.6	794.0	704.6	610.4	528.2	442.9
57.5°	1519.2	1461.6	1388.0	1307.6	1220.8	1125.2	1022.3	913.6	808.1	700.8	592.4
55°	1724.4	1671.0	1609.5	1542.5	1464.2	1363.1	1255.6	1140.2	1016.4	887.2	766.3
52.5°	1884.8	1837.6	1785.7	1729.1	1654.4	1570.6	1479.4	1357.0	1228.7	1090.9	946.4
50°	2093.8	2025.9	1951.2	1875.5	1809.6	1739.4	1650.3	1549.7	1430.4	1287.0	1136.0
47.5°	2377.1	2273.3	2159.3	2061.9	1967.8	1873.7	1793.8	1708.2	1595.5	1474.9	1316.3
45°	2648.3	2548.0	2436.0	2302.8	2160.1	2042.6	1929.3	1830.6	1737.3	1618.6	1489.8
42.5°	2968.4	2819.7	2682.2	2554.2	2412.9	2250.7	2093.3	1966.7	1849.2	1746.4	1618.6
40°	4208.8	3205.2	2987.1	2798.6	2638.9	2484.0	2305.7	2118.8	1979.3	1849.2	1737.3
37.5°	6795.9	5316.2	4140.0	3109.4	2894.8	2690.4	2517.7	2324.1	2118.8	1966.7	1830.6
35°	10253.6	8344.2	6375.3	4776.0	3342.8	2943.4	2707.7	2517.7	2305.7	2093.3	1929.3
32.5°	14151.8	11847.9	9400.4	7148.3	5097.9	3499.7	2943.4	2690.4	2484.0	2250.7	2042.6
30°	18338.6	15610.4	12823.7	9990.1	7408.3	5097.9	3342.8	2894.8	2638.9	2412.9	2160.1
27.5°	22867.0	19509.3	16359.2	13152.4	9990.1	7148.3	4776.0	3109.4	2798.6	2554.2	2302.8
25°	27747.0	23799.0	19957.7	16359.2	12823.7	9400.4	6375.3	4140.0	2987.1	2682.2	2436.0
22.5°	32965.5	28317.5	23799.0	19509.3	15610.4	11847.9	8344.2	5316.2	3205.2	2819.7	2548.0
20°	38845.9	32965.5	27747.0	22867.0	18338.6	14151.8	10253.6	6795.9	4208.8	2968.4	2648.3
17.5°	46570.0	38074.2	31625.5	26059.5	21038.6	16448.6	12197.5	8321.6	5114.2	3102.1	2738.4
15°	54920.0	44022.3	35798.9	29295.0	23601.3	18512.0	13926.4	9681.4	6043.3	3569.5	2843.2
12.5°	64867.8	50529.0	39582.4	32133.0	25924.4	20432.7	15538.2	11060.0	7119.5	4205.0	2936.7
10°	73985.8	57090.5	44115.3	35054.0	28111.8	22153.1	16915.3	12208.0	8013.7	4732.0	3014.1
7.5°	83183.6	63361.2	48169.3	37390.7	29852.6	23517.7	18004.5	13113.9	8718.0	5146.5	3074.9
5°	90016.9	67984.1	51140.8	39095.9	31118.6	24507.4	18792.7	13768.4	9226.1	5445.1	3118.6
2.5°	94233.6	70820.3	52956.1	40134.3	31887.6	25107.3	19269.8	14164.0	9532.9	5625.3	3145.0
0°	95659.8	71776.6	53566.8	40483.0	32145.6	25308.4	19429.6	14296.4	9635.5	5685.5	3153.8
-2.5°	94233.6	70820.3	52956.1	40134.3	31887.6	25107.3	19269.8	14164.0	9532.9	5625.3	3145.0
-5°	90016.9	67984.1	51140.8	39095.9	31118.6	24507.4	18792.7	13768.4	9226.1	5445.1	3118.6
-7.5°	83183.6	63361.2	48169.3	37390.7	29852.6	23517.7	18004.5	13113.9	8718.0	5146.5	3074.9
-10°	73985.8	57090.5	44115.3	35054.0	28111.8	22153.1	16915.3	12208.0	8013.7	4732.0	3014.1
-12.5°	64867.8	50529.0	39582.4	32133.0	25924.4	20432.7	15538.2	11060.0	7119.5	4205.0	2936.7
-15°	54920.0	44022.3	35798.9	29295.0	23601.3	18512.0	13926.4	9681.4	6043.3	3569.5	2843.2
-17.5°	46570.0	38074.2	31625.5	26059.5	21038.6	16448.6	12197.5	8321.6	5114.2	3102.1	2738.4
-20°	38845.9	32965.5	27747.0	22867.0	18338.6	14151.8	10253.6	6795.9	4208.8	2968.4	2648.3



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	32965.5	28317.5	23799.0	19509.3	15610.4	11847.9	8344.2	5316.2	3205.2	2819.7	2548.0
-25°	27747.0	23799.0	19957.7	16359.2	12823.7	9400.4	6375.3	4140.0	2987.1	2682.2	2436.0
-27.5°	22867.0	19509.3	16359.2	13152.4	9990.1	7148.3	4776.0	3109.4	2798.6	2554.2	2302.8
-30°	18338.6	15610.4	12823.7	9990.1	7408.3	5097.9	3342.8	2894.8	2638.9	2412.9	2160.1
-32.5°	14151.8	11847.9	9400.4	7148.3	5097.9	3499.7	2943.4	2690.4	2484.0	2250.7	2042.6
-35°	10253.6	8344.2	6375.3	4776.0	3342.8	2943.4	2707.7	2517.7	2305.7	2093.3	1929.3
-37.5°	6795.9	5316.2	4140.0	3109.4	2894.8	2690.4	2517.7	2324.1	2118.8	1966.7	1830.6
-40°	4208.8	3205.2	2987.1	2798.6	2638.9	2484.0	2305.7	2118.8	1979.3	1849.2	1737.3
-42.5°	2968.4	2819.7	2682.2	2554.2	2412.9	2250.7	2093.3	1966.7	1849.2	1746.4	1618.6
-45°	2648.3	2548.0	2436.0	2302.8	2160.1	2042.6	1929.3	1830.6	1737.3	1618.6	1489.8
-47.5°	2377.1	2273.3	2159.3	2061.9	1967.8	1873.7	1793.8	1708.2	1595.5	1474.9	1316.3
-50°	2093.8	2025.9	1951.2	1875.5	1809.6	1739.4	1650.3	1549.7	1430.4	1287.0	1136.0
-52.5°	1884.8	1837.6	1785.7	1729.1	1654.4	1570.6	1479.4	1357.0	1228.7	1090.9	946.4
-55°	1724.4	1671.0	1609.5	1542.5	1464.2	1363.1	1255.6	1140.2	1016.4	887.2	766.3
-57.5°	1519.2	1461.6	1388.0	1307.6	1220.8	1125.2	1022.3	913.6	808.1	700.8	592.4
-60°	1255.6	1195.0	1125.2	1048.9	966.4	878.6	794.0	704.6	610.4	528.2	442.9
-62.5°	973.4	916.2	856.2	794.0	726.8	654.6	582.8	515.1	443.9	371.9	317.6
-65°	707.7	661.5	610.4	563.6	513.3	459.2	401.5	351.8	306.9	259.8	213.6
-67.5°	477.1	442.9	405.1	368.0	336.7	303.0	267.1	229.0	200.7	176.0	150.0
-70°	297.8	276.8	253.6	228.1	207.6	190.2	171.5	151.7	130.8	113.0	96.4
-72.5°	176.9	166.2	154.4	141.4	127.3	115.3	103.6	91.2	78.0	64.2	53.3
-75°	98.6	92.0	84.8	76.8	68.1	58.7	52.9	48.5	43.9	39.1	34.0
-77.5°	47.3	45.0	42.5	39.8	36.9	33.7	30.3	27.5	26.3	25.1	23.7
-80°	25.8	25.2	24.6	23.9	23.2	22.4	21.6	20.7	19.7	18.7	17.6
-82.5°	17.6	17.2	16.7	16.2	15.7	15.1	14.5	13.8	13.1	12.3	11.5
-85°	9.9	9.7	9.5	9.3	9.1	8.8	8.6	8.3	8.0	7.7	7.4
-87.5°	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P701454 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-4S-HEG-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.5	3.3	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6
85°	7.1	6.7	6.3	6.0	5.6	5.2	4.8	4.4	4.0	3.6	3.1
82.5°	10.7	10.1	9.6	9.0	8.4	7.8	7.2	6.6	6.0	5.3	4.7
80°	16.5	15.4	14.2	13.0	11.7	10.5	9.6	8.8	8.0	7.1	6.2
77.5°	22.4	20.9	19.4	17.9	16.3	14.7	13.1	11.4	10.0	8.9	7.8
75°	28.7	26.4	24.6	22.8	20.9	19.0	17.0	15.0	12.9	10.8	9.4
72.5°	47.1	40.7	34.0	27.7	25.5	23.2	20.9	18.5	16.1	13.6	11.2
70°	79.2	61.2	50.4	42.6	34.5	27.4	24.7	22.0	19.3	16.5	13.6
67.5°	123.2	103.1	82.2	60.7	48.7	39.4	29.9	25.5	22.4	19.3	16.1
65°	183.5	152.4	121.2	97.3	72.8	52.4	41.9	31.1	25.5	22.0	18.5
62.5°	261.2	209.0	173.6	137.2	106.5	78.8	53.7	41.9	29.9	24.7	20.9
60°	361.6	297.8	232.0	186.4	145.7	109.5	78.8	52.4	39.4	27.4	23.2
57.5°	496.2	396.9	319.9	246.6	190.7	145.7	106.5	72.8	48.7	34.5	25.5
55°	641.3	528.5	418.3	327.3	246.6	186.4	137.2	97.3	60.7	42.6	27.7
52.5°	805.9	667.5	539.3	418.3	319.9	232.0	173.6	121.2	82.2	50.4	34.0
50°	976.2	819.1	667.5	528.5	396.9	297.8	209.0	152.4	103.1	61.2	40.7
47.5°	1151.1	976.2	805.9	641.3	496.2	361.6	261.2	183.5	123.2	79.2	47.1
45°	1316.3	1136.0	946.4	766.3	592.4	442.9	317.6	213.6	150.0	96.4	53.3
42.5°	1474.9	1287.0	1090.9	887.2	700.8	528.2	371.9	259.8	176.0	113.0	64.2
40°	1595.5	1430.4	1228.7	1016.4	808.1	610.4	443.9	306.9	200.7	130.8	78.0
37.5°	1708.2	1549.7	1357.0	1140.2	913.6	704.6	515.1	351.8	229.0	151.7	91.2
35°	1793.8	1650.3	1479.4	1255.6	1022.3	794.0	582.8	401.5	267.1	171.5	103.6
32.5°	1873.7	1739.4	1570.6	1363.1	1125.2	878.6	654.6	459.2	303.0	190.2	115.3
30°	1967.8	1809.6	1654.4	1464.2	1220.8	966.4	726.8	513.3	336.7	207.6	127.3
27.5°	2061.9	1875.5	1729.1	1542.5	1307.6	1048.9	794.0	563.6	368.0	228.1	141.4
25°	2159.3	1951.2	1785.7	1609.5	1388.0	1125.2	856.2	610.4	405.1	253.6	154.4
22.5°	2273.3	2025.9	1837.6	1671.0	1461.6	1195.0	916.2	661.5	442.9	276.8	166.2
20°	2377.1	2093.8	1884.8	1724.4	1519.2	1255.6	973.4	707.7	477.1	297.8	176.9
17.5°	2468.5	2166.5	1938.2	1763.0	1564.6	1309.7	1024.2	748.8	507.4	316.4	186.4
15°	2541.7	2241.7	1987.2	1796.8	1604.4	1357.0	1068.7	784.6	533.9	332.6	194.7
12.5°	2604.3	2306.1	2029.1	1825.7	1638.3	1397.2	1106.6	815.1	556.4	346.5	201.7
10°	2656.1	2359.3	2063.6	1849.5	1666.2	1430.4	1137.7	840.2	575.0	357.8	207.5
7.5°	2696.8	2401.0	2090.7	1868.2	1688.1	1456.3	1162.1	859.8	589.4	366.7	212.0
5°	2726.0	2430.9	2110.1	1881.6	1703.7	1474.9	1179.5	873.8	599.8	373.0	215.2
2.5°	2743.6	2449.0	2121.8	1889.6	1713.2	1486.1	1190.0	882.3	606.0	376.8	217.2
0°	2749.5	2455.0	2125.7	1892.3	1716.3	1489.8	1193.5	885.1	608.1	378.1	217.8
-2.5°	2743.6	2449.0	2121.8	1889.6	1713.2	1486.1	1190.0	882.3	606.0	376.8	217.2
-5°	2726.0	2430.9	2110.1	1881.6	1703.7	1474.9	1179.5	873.8	599.8	373.0	215.2
-7.5°	2696.8	2401.0	2090.7	1868.2	1688.1	1456.3	1162.1	859.8	589.4	366.7	212.0
-10°	2656.1	2359.3	2063.6	1849.5	1666.2	1430.4	1137.7	840.2	575.0	357.8	207.5
-12.5°	2604.3	2306.1	2029.1	1825.7	1638.3	1397.2	1106.6	815.1	556.4	346.5	201.7
-15°	2541.7	2241.7	1987.2	1796.8	1604.4	1357.0	1068.7	784.6	533.9	332.6	194.7
-17.5°	2468.5	2166.5	1938.2	1763.0	1564.6	1309.7	1024.2	748.8	507.4	316.4	186.4
-20°	2377.1	2093.8	1884.8	1724.4	1519.2	1255.6	973.4	707.7	477.1	297.8	176.9



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2273.3	2025.9	1837.6	1671.0	1461.6	1195.0	916.2	661.5	442.9	276.8	166.2
-25°	2159.3	1951.2	1785.7	1609.5	1388.0	1125.2	856.2	610.4	405.1	253.6	154.4
-27.5°	2061.9	1875.5	1729.1	1542.5	1307.6	1048.9	794.0	563.6	368.0	228.1	141.4
-30°	1967.8	1809.6	1654.4	1464.2	1220.8	966.4	726.8	513.3	336.7	207.6	127.3
-32.5°	1873.7	1739.4	1570.6	1363.1	1125.2	878.6	654.6	459.2	303.0	190.2	115.3
-35°	1793.8	1650.3	1479.4	1255.6	1022.3	794.0	582.8	401.5	267.1	171.5	103.6
-37.5°	1708.2	1549.7	1357.0	1140.2	913.6	704.6	515.1	351.8	229.0	151.7	91.2
-40°	1595.5	1430.4	1228.7	1016.4	808.1	610.4	443.9	306.9	200.7	130.8	78.0
-42.5°	1474.9	1287.0	1090.9	887.2	700.8	528.2	371.9	259.8	176.0	113.0	64.2
-45°	1316.3	1136.0	946.4	766.3	592.4	442.9	317.6	213.6	150.0	96.4	53.3
-47.5°	1151.1	976.2	805.9	641.3	496.2	361.6	261.2	183.5	123.2	79.2	47.1
-50°	976.2	819.1	667.5	528.5	396.9	297.8	209.0	152.4	103.1	61.2	40.7
-52.5°	805.9	667.5	539.3	418.3	319.9	232.0	173.6	121.2	82.2	50.4	34.0
-55°	641.3	528.5	418.3	327.3	246.6	186.4	137.2	97.3	60.7	42.6	27.7
-57.5°	496.2	396.9	319.9	246.6	190.7	145.7	106.5	72.8	48.7	34.5	25.5
-60°	361.6	297.8	232.0	186.4	145.7	109.5	78.8	52.4	39.4	27.4	23.2
-62.5°	261.2	209.0	173.6	137.2	106.5	78.8	53.7	41.9	29.9	24.7	20.9
-65°	183.5	152.4	121.2	97.3	72.8	52.4	41.9	31.1	25.5	22.0	18.5
-67.5°	123.2	103.1	82.2	60.7	48.7	39.4	29.9	25.5	22.4	19.3	16.1
-70°	79.2	61.2	50.4	42.6	34.5	27.4	24.7	22.0	19.3	16.5	13.6
-72.5°	47.1	40.7	34.0	27.7	25.5	23.2	20.9	18.5	16.1	13.6	11.2
-75°	28.7	26.4	24.6	22.8	20.9	19.0	17.0	15.0	12.9	10.8	9.4
-77.5°	22.4	20.9	19.4	17.9	16.3	14.7	13.1	11.4	10.0	8.9	7.8
-80°	16.5	15.4	14.2	13.0	11.7	10.5	9.6	8.8	8.0	7.1	6.2
-82.5°	10.7	10.1	9.6	9.0	8.4	7.8	7.2	6.6	6.0	5.3	4.7
-85°	7.1	6.7	6.3	6.0	5.6	5.2	4.8	4.4	4.0	3.6	3.1
-87.5°	3.5	3.3	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	1.1	0.9	0.7	0.5	0.2	0.0
85°	2.7	2.2	1.8	1.4	0.9	0.5	0.0
82.5°	4.0	3.4	2.7	2.0	1.4	0.7	0.0
80°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
77.5°	6.7	5.6	4.5	3.4	2.2	1.1	0.0
75°	8.0	6.7	5.4	4.0	2.7	1.3	0.0
72.5°	9.4	7.8	6.2	4.7	3.1	1.6	0.0
70°	10.8	8.9	7.1	5.3	3.6	1.8	0.0
67.5°	12.9	10.0	8.0	6.0	4.0	2.0	0.0
65°	15.0	11.4	8.8	6.6	4.4	2.2	0.0
62.5°	17.0	13.1	9.6	7.2	4.8	2.4	0.0
60°	19.0	14.7	10.5	7.8	5.2	2.6	0.0
57.5°	20.9	16.3	11.7	8.4	5.6	2.8	0.0
55°	22.8	17.9	13.0	9.0	6.0	3.0	0.0
52.5°	24.6	19.4	14.2	9.6	6.3	3.2	0.0
50°	26.4	20.9	15.4	10.1	6.7	3.3	0.0
47.5°	28.7	22.4	16.5	10.7	7.1	3.5	0.0
45°	34.0	23.7	17.6	11.5	7.4	3.7	0.0
42.5°	39.1	25.1	18.7	12.3	7.7	3.8	0.0
40°	43.9	26.3	19.7	13.1	8.0	4.0	0.0
37.5°	48.5	27.5	20.7	13.8	8.3	4.1	0.0
35°	52.9	30.3	21.6	14.5	8.6	4.3	0.0
32.5°	58.7	33.7	22.4	15.1	8.8	4.4	0.0
30°	68.1	36.9	23.2	15.7	9.1	4.5	0.0
27.5°	76.8	39.8	23.9	16.2	9.3	4.6	0.0
25°	84.8	42.5	24.6	16.7	9.5	4.7	0.0
22.5°	92.0	45.0	25.2	17.2	9.7	4.8	0.0
20°	98.6	47.3	25.8	17.6	9.9	4.9	0.0
17.5°	104.4	49.2	26.3	18.0	10.0	5.0	0.0
15°	109.5	51.0	26.7	18.3	10.1	5.0	0.0
12.5°	113.8	52.4	27.1	18.6	10.2	5.1	0.0
10°	117.4	53.6	27.4	18.8	10.3	5.1	0.0
7.5°	120.1	54.6	27.6	19.0	10.4	5.2	0.0
5°	122.1	55.3	27.8	19.1	10.5	5.2	0.0
2.5°	123.3	55.7	27.9	19.2	10.5	5.2	0.0
0°	123.7	55.8	27.9	19.2	10.5	5.2	0.0
-2.5°	123.3	55.7	27.9	19.2	10.5	5.2	0.0
-5°	122.1	55.3	27.8	19.1	10.5	5.2	0.0
-7.5°	120.1	54.6	27.6	19.0	10.4	5.2	0.0
-10°	117.4	53.6	27.4	18.8	10.3	5.1	0.0
-12.5°	113.8	52.4	27.1	18.6	10.2	5.1	0.0
-15°	109.5	51.0	26.7	18.3	10.1	5.0	0.0
-17.5°	104.4	49.2	26.3	18.0	10.0	5.0	0.0
-20°	98.6	47.3	25.8	17.6	9.9	4.9	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	92.0	45.0	25.2	17.2	9.7	4.8	0.0
-25°	84.8	42.5	24.6	16.7	9.5	4.7	0.0
-27.5°	76.8	39.8	23.9	16.2	9.3	4.6	0.0
-30°	68.1	36.9	23.2	15.7	9.1	4.5	0.0
-32.5°	58.7	33.7	22.4	15.1	8.8	4.4	0.0
-35°	52.9	30.3	21.6	14.5	8.6	4.3	0.0
-37.5°	48.5	27.5	20.7	13.8	8.3	4.1	0.0
-40°	43.9	26.3	19.7	13.1	8.0	4.0	0.0
-42.5°	39.1	25.1	18.7	12.3	7.7	3.8	0.0
-45°	34.0	23.7	17.6	11.5	7.4	3.7	0.0
-47.5°	28.7	22.4	16.5	10.7	7.1	3.5	0.0
-50°	26.4	20.9	15.4	10.1	6.7	3.3	0.0
-52.5°	24.6	19.4	14.2	9.6	6.3	3.2	0.0
-55°	22.8	17.9	13.0	9.0	6.0	3.0	0.0
-57.5°	20.9	16.3	11.7	8.4	5.6	2.8	0.0
-60°	19.0	14.7	10.5	7.8	5.2	2.6	0.0
-62.5°	17.0	13.1	9.6	7.2	4.8	2.4	0.0
-65°	15.0	11.4	8.8	6.6	4.4	2.2	0.0
-67.5°	12.9	10.0	8.0	6.0	4.0	2.0	0.0
-70°	10.8	8.9	7.1	5.3	3.6	1.8	0.0
-72.5°	9.4	7.8	6.2	4.7	3.1	1.6	0.0
-75°	8.0	6.7	5.4	4.0	2.7	1.3	0.0
-77.5°	6.7	5.6	4.5	3.4	2.2	1.1	0.0
-80°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
-82.5°	4.0	3.4	2.7	2.0	1.4	0.7	0.0
-85°	2.7	2.2	1.8	1.4	0.9	0.5	0.0
-87.5°	1.3	1.1	0.9	0.7	0.5	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(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

