

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: P701452 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 8/15/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701452 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/15/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0640L-57-70-2S-HEG-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

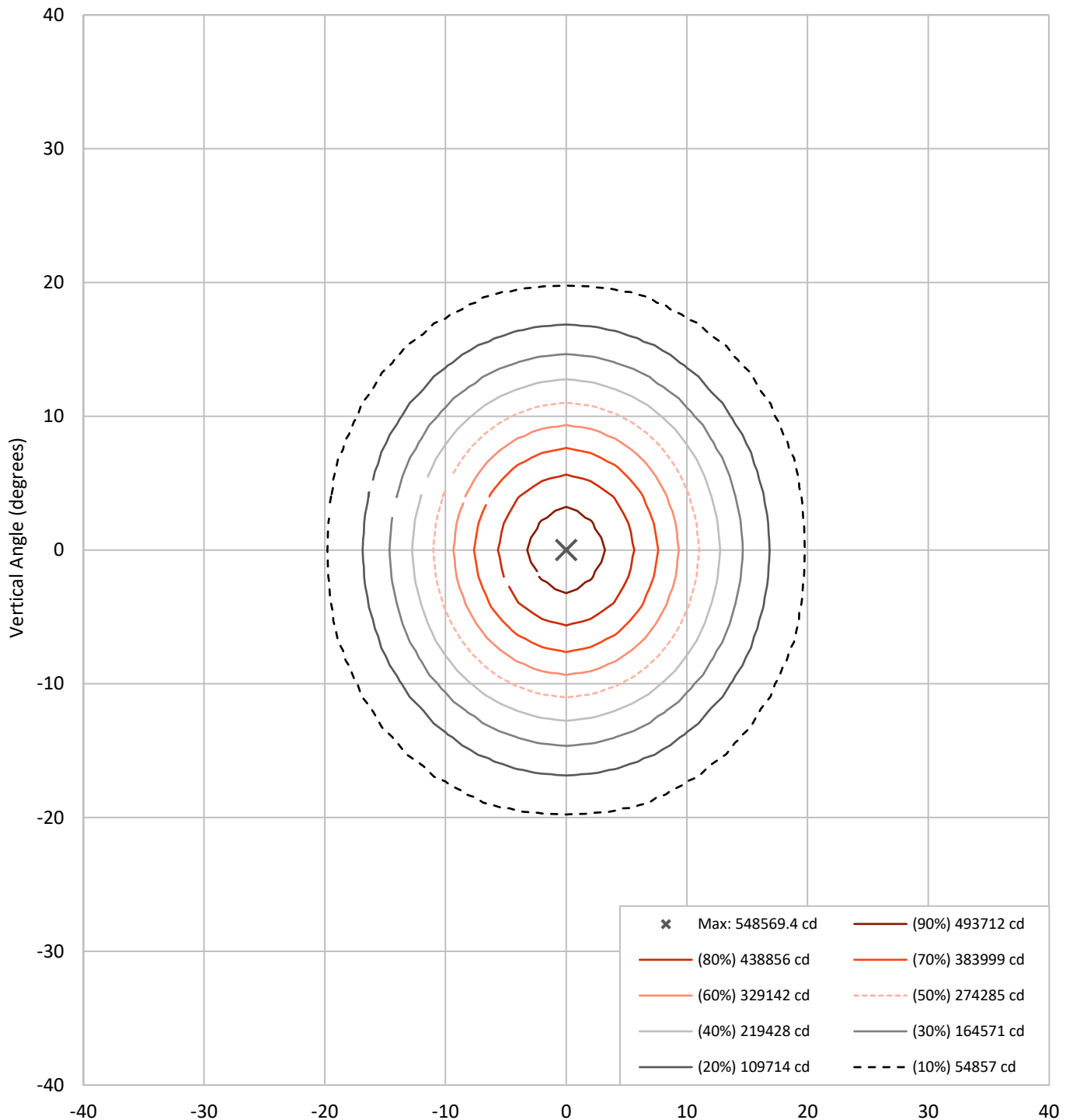
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	98814.7 lumens	Max Intensity:	548569.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	148.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	22°H x 22°V	Field Angle (10%):	39.6°H x 39.6°V
Beam Lumens:	43672.8 lumens	Field Lumens:	81110.8 lumens
Beam Efficiency:	44.2%	Field Efficiency:	82.1%

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





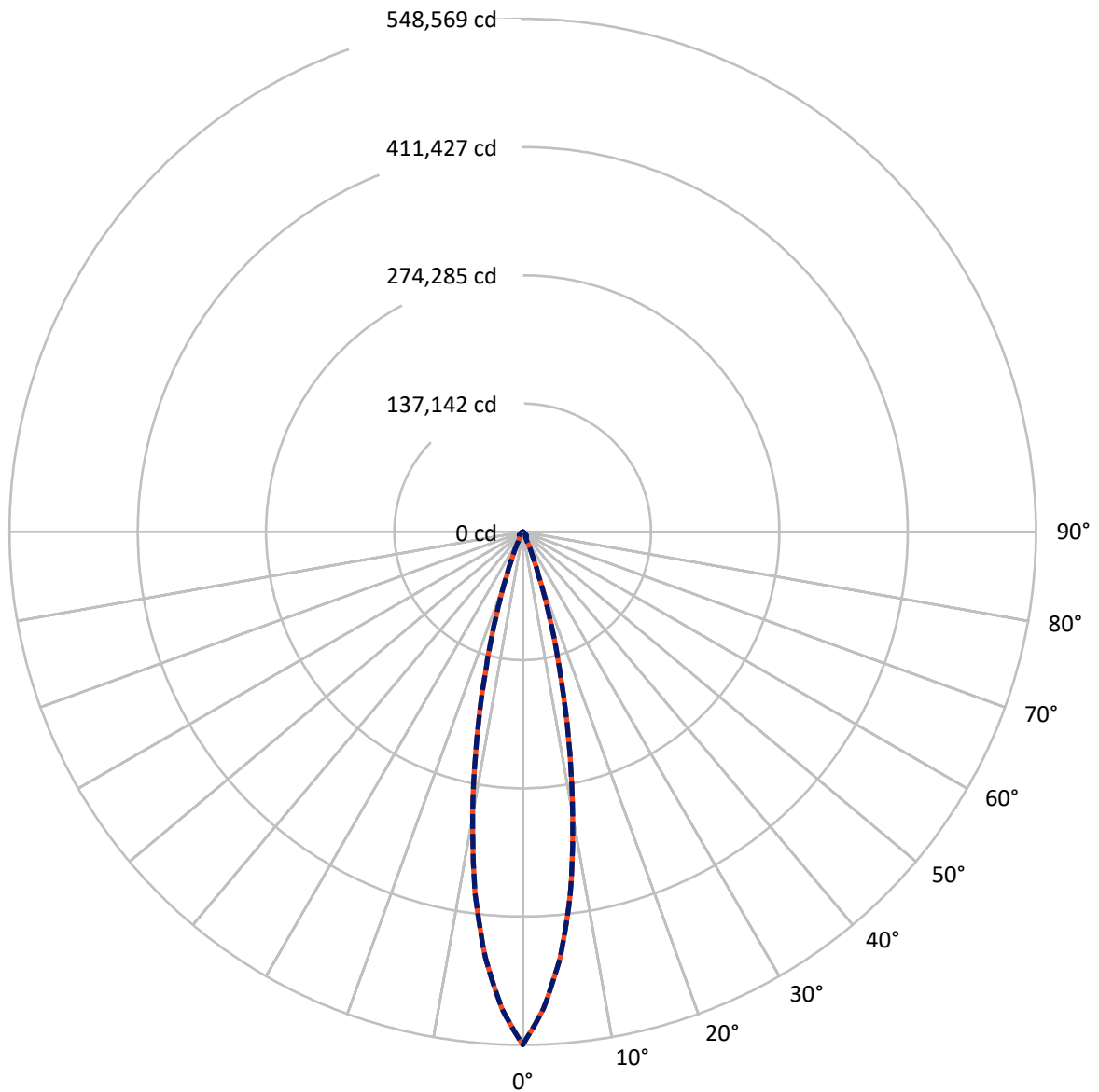
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### Lumen Table

90	0.2	1.0	3.5	8.7	11.5	8.7	3.5	1.0	0.2							
80	0.2	1.0	3.5	8.7	11.5	8.7	3.5	1.0	0.2							
70	0.5	0.5	2.1	6.2	12.4	19.0	24.5	27.6	27.6	24.5	19.0	12.4	6.2	2.1	0.5	0.5
60		1.6	7.3	17.6	30.4	42.3	50.4	54.5	54.5	50.4	42.3	30.4	17.6	7.3	1.6	
50	1.1	3.8	14.4	30.5	46.5	75.3	115.3	138.1	138.1	115.3	75.3	46.5	30.5	14.4	3.8	1.1
40		6.6	21.5	40.2	88.8	152.5	178.6	187.8	187.8	178.6	152.5	88.8	40.2	21.5	6.6	
30	2.5	9.2	27.0	59.4	138.0	171.7	234.7	479.0	479.0	234.7	171.7	138.0	59.4	27.0	9.2	2.5
20		11.1	30.1	85.6	151.6	220.9	1397.6	4141.3	4141.3	1397.6	220.9	151.6	85.6	30.1	11.1	
10	3.2	12.1	31.6	99.1	154.5	441.5	4036.1	11350.7	11350.7	4036.1	441.5	154.5	99.1	31.6	12.1	3.2
0		12.1	31.6	99.1	154.5	441.5	4036.1	11350.7	11350.7	4036.1	441.5	154.5	99.1	31.6	12.1	
-10	2.5	11.1	30.1	85.6	151.6	220.9	1397.6	4141.3	4141.3	1397.6	220.9	151.6	85.6	30.1	11.1	2.5
-20		9.2	27.0	59.4	138.0	171.7	234.7	479.0	479.0	234.7	171.7	138.0	59.4	27.0	9.2	
-30	1.1	6.6	21.5	40.2	88.8	152.5	178.6	187.8	187.8	178.6	152.5	88.8	40.2	21.5	6.6	1.1
-40		3.8	14.4	30.5	46.5	75.3	115.3	138.1	138.1	115.3	75.3	46.5	30.5	14.4	3.8	
-50	0.5	1.6	7.3	17.6	30.4	42.3	50.4	54.5	54.5	50.4	42.3	30.4	17.6	7.3	1.6	0.5
-60		0.5	2.1	6.2	12.4	19.0	24.5	27.6	27.6	24.5	19.0	12.4	6.2	2.1	0.5	
-70	0.2	1.0	3.5	8.7	11.5	8.7	3.5	1.0	0.2							
-80		0.2	1.0	3.5	8.7	11.5	8.7	3.5	1.0	0.2						
-90	0.2	1.0	3.5	8.7	11.5	8.7	3.5	1.0	0.2							

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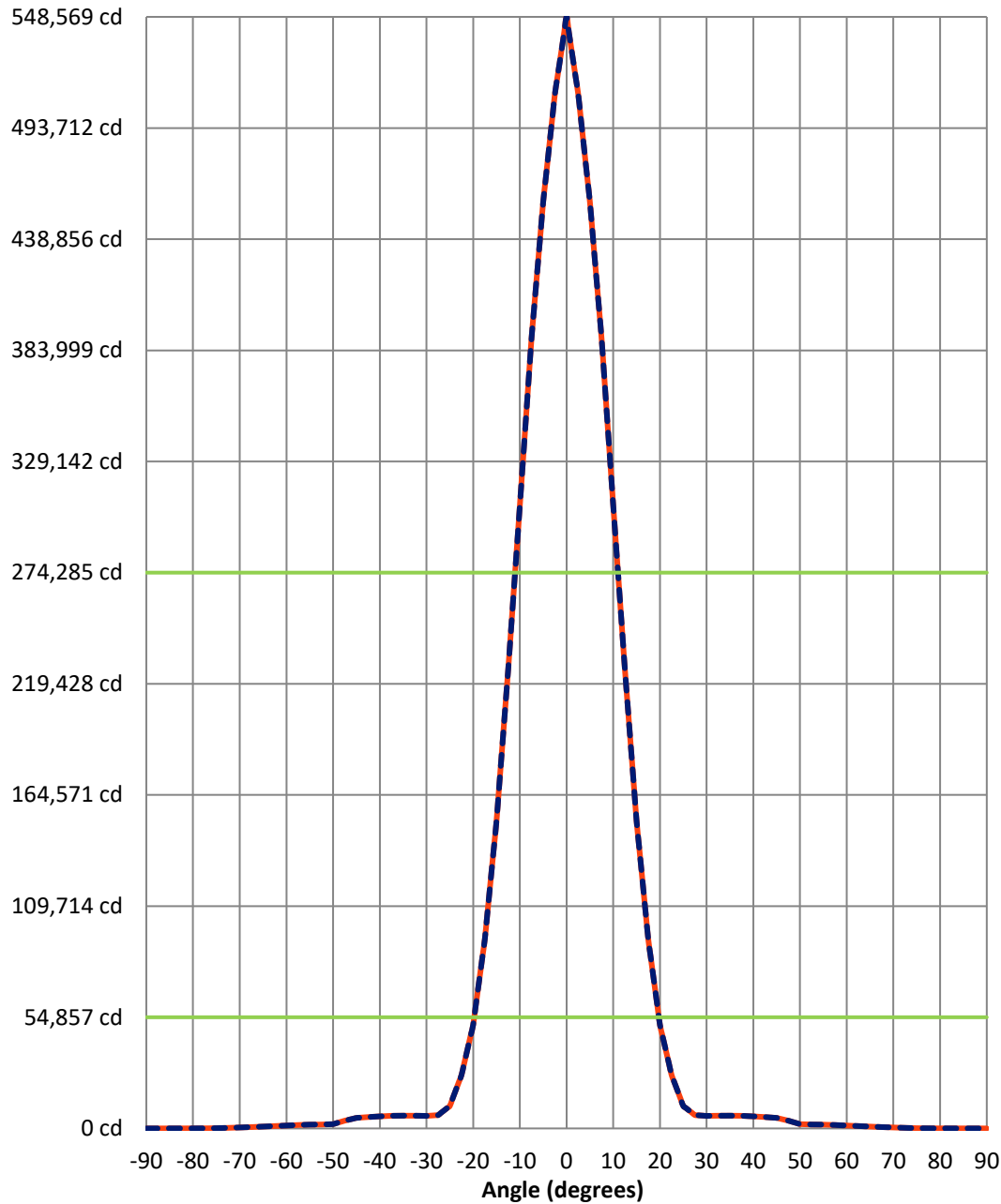
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 22°  
V Angle: 22°  
Lumens: 43672.8  
Efficiency: 44.2%

**Field:**  
H Angle: 39.6°  
V Angle: 39.6°  
Lumens: 81110.8  
Efficiency: 82.1%

**Spill:**  
Lumens: 17703.8  
Efficiency: 17.9%

— 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	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.5	3.9	4.3
85°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.0	7.8	8.6
82.5°	0.0	1.3	2.7	4.0	5.3	6.6	7.9	9.2	10.3	11.0	11.6
80°	0.0	1.8	3.5	5.3	7.0	8.8	10.4	11.2	12.1	12.9	13.8
77.5°	0.0	2.2	4.4	6.6	8.8	10.6	11.7	12.8	13.8	14.9	16.1
75°	0.0	2.6	5.3	7.9	10.4	11.7	13.0	14.3	15.6	17.3	18.9
72.5°	0.0	3.1	6.1	9.2	11.2	12.8	14.3	15.9	17.9	19.8	21.7
70°	0.0	3.5	7.0	10.3	12.1	13.8	15.6	17.9	20.1	22.3	26.1
67.5°	0.0	3.9	7.8	11.0	12.9	14.9	17.3	19.8	22.3	26.6	30.8
65°	0.0	4.3	8.6	11.6	13.8	16.1	18.9	21.7	26.1	30.8	36.5
62.5°	0.0	4.7	9.4	12.2	14.6	17.4	20.5	24.5	29.8	35.6	44.4
60°	0.0	5.1	10.2	12.8	15.4	18.7	22.0	27.7	33.4	42.6	52.1
57.5°	0.0	5.5	10.6	13.4	16.4	20.0	24.5	30.8	38.9	49.4	72.1
55°	0.0	5.8	11.0	13.9	17.3	21.2	27.1	33.8	44.9	59.6	97.4
52.5°	0.0	6.2	11.3	14.5	18.3	22.5	29.7	38.6	50.6	81.8	122.0
50°	0.0	6.6	11.7	15.0	19.2	24.6	32.1	43.5	60.2	103.3	170.9
47.5°	0.0	6.9	12.0	15.6	20.1	26.5	34.7	48.2	78.7	124.1	221.2
45°	0.0	7.2	12.3	16.2	21.0	28.4	38.6	52.8	96.5	167.1	269.7
42.5°	0.0	7.5	12.7	16.8	21.8	30.2	42.3	63.3	113.6	208.9	326.1
40°	0.0	7.8	13.0	17.4	22.9	31.9	45.9	77.5	136.1	249.0	381.8
37.5°	0.0	8.1	13.2	18.0	24.2	33.6	49.3	91.1	169.8	289.7	434.8
35°	0.0	8.4	13.5	18.5	25.4	35.8	52.5	103.9	201.8	334.7	486.2
32.5°	0.0	8.6	13.8	19.0	26.6	38.3	57.6	116.0	231.9	377.2	536.3
30°	0.0	8.8	14.0	19.5	27.7	40.7	67.3	130.4	260.1	417.0	583.2
27.5°	0.0	9.0	14.2	19.9	28.7	42.9	76.2	153.1	288.7	454.0	626.9
25°	0.0	9.2	14.4	20.3	29.6	44.9	84.5	174.1	318.8	489.3	667.6
22.5°	0.0	9.4	14.6	20.6	30.4	46.7	92.0	193.3	346.2	522.2	713.3
20°	0.0	9.6	14.8	21.0	31.2	48.3	98.7	210.5	371.0	551.8	754.5
17.5°	0.0	9.7	14.9	21.3	31.9	49.8	104.7	225.8	393.0	578.1	791.2
15°	0.0	9.9	15.0	21.5	32.5	51.1	110.0	239.2	412.2	601.1	823.2
12.5°	0.0	10.0	15.2	21.7	33.0	52.1	114.4	250.5	428.5	620.7	850.5
10°	0.0	10.0	15.2	21.9	33.4	53.0	118.1	259.8	441.9	636.8	872.9
7.5°	0.0	10.1	15.3	22.0	33.7	53.7	120.9	267.1	452.4	649.3	890.4
5°	0.0	10.2	15.4	22.1	33.9	54.2	123.0	272.3	459.9	658.3	902.9
2.5°	0.0	10.2	15.4	22.2	34.1	54.5	124.2	275.5	464.4	663.7	910.5
0°	0.0	10.2	15.4	22.2	34.1	54.5	124.2	275.5	464.4	663.7	910.5
-2.5°	0.0	10.2	15.4	22.2	34.1	54.5	124.2	275.5	464.4	663.7	910.5
-5°	0.0	10.2	15.4	22.1	33.9	54.2	123.0	272.3	459.9	658.3	902.9
-7.5°	0.0	10.1	15.3	22.0	33.7	53.7	120.9	267.1	452.4	649.3	890.4
-10°	0.0	10.0	15.2	21.9	33.4	53.0	118.1	259.8	441.9	636.8	872.9
-12.5°	0.0	10.0	15.2	21.7	33.0	52.1	114.4	250.5	428.5	620.7	850.5
-15°	0.0	9.9	15.0	21.5	32.5	51.1	110.0	239.2	412.2	601.1	823.2
-17.5°	0.0	9.7	14.9	21.3	31.9	49.8	104.7	225.8	393.0	578.1	791.2
-20°	0.0	9.6	14.8	21.0	31.2	48.3	98.7	210.5	371.0	551.8	754.5



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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	9.4	14.6	20.6	30.4	46.7	92.0	193.3	346.2	522.2	713.3
-25°	0.0	9.2	14.4	20.3	29.6	44.9	84.5	174.1	318.8	489.3	667.6
-27.5°	0.0	9.0	14.2	19.9	28.7	42.9	76.2	153.1	288.7	454.0	626.9
-30°	0.0	8.8	14.0	19.5	27.7	40.7	67.3	130.4	260.1	417.0	583.2
-32.5°	0.0	8.6	13.8	19.0	26.6	38.3	57.6	116.0	231.9	377.2	536.3
-35°	0.0	8.4	13.5	18.5	25.4	35.8	52.5	103.9	201.8	334.7	486.2
-37.5°	0.0	8.1	13.2	18.0	24.2	33.6	49.3	91.1	169.8	289.7	434.8
-40°	0.0	7.8	13.0	17.4	22.9	31.9	45.9	77.5	136.1	249.0	381.8
-42.5°	0.0	7.5	12.7	16.8	21.8	30.2	42.3	63.3	113.6	208.9	326.1
-45°	0.0	7.2	12.3	16.2	21.0	28.4	38.6	52.8	96.5	167.1	269.7
-47.5°	0.0	6.9	12.0	15.6	20.1	26.5	34.7	48.2	78.7	124.1	221.2
-50°	0.0	6.6	11.7	15.0	19.2	24.6	32.1	43.5	60.2	103.3	170.9
-52.5°	0.0	6.2	11.3	14.5	18.3	22.5	29.7	38.6	50.6	81.8	122.0
-55°	0.0	5.8	11.0	13.9	17.3	21.2	27.1	33.8	44.9	59.6	97.4
-57.5°	0.0	5.5	10.6	13.4	16.4	20.0	24.5	30.8	38.9	49.4	72.1
-60°	0.0	5.1	10.2	12.8	15.4	18.7	22.0	27.7	33.4	42.6	52.1
-62.5°	0.0	4.7	9.4	12.2	14.6	17.4	20.5	24.5	29.8	35.6	44.4
-65°	0.0	4.3	8.6	11.6	13.8	16.1	18.9	21.7	26.1	30.8	36.5
-67.5°	0.0	3.9	7.8	11.0	12.9	14.9	17.3	19.8	22.3	26.6	30.8
-70°	0.0	3.5	7.0	10.3	12.1	13.8	15.6	17.9	20.1	22.3	26.1
-72.5°	0.0	3.1	6.1	9.2	11.2	12.8	14.3	15.9	17.9	19.8	21.7
-75°	0.0	2.6	5.3	7.9	10.4	11.7	13.0	14.3	15.6	17.3	18.9
-77.5°	0.0	2.2	4.4	6.6	8.8	10.6	11.7	12.8	13.8	14.9	16.1
-80°	0.0	1.8	3.5	5.3	7.0	8.8	10.4	11.2	12.1	12.9	13.8
-82.5°	0.0	1.3	2.7	4.0	5.3	6.6	7.9	9.2	10.3	11.0	11.6
-85°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.0	7.8	8.6
-87.5°	0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.5	3.9	4.3
-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°	4.7	5.1	5.5	5.8	6.2	6.6	6.9	7.2	7.5	7.8	8.1
85°	9.4	10.2	10.6	11.0	11.3	11.7	12.0	12.3	12.7	13.0	13.2
82.5°	12.2	12.8	13.4	13.9	14.5	15.0	15.6	16.2	16.8	17.4	18.0
80°	14.6	15.4	16.4	17.3	18.3	19.2	20.1	21.0	21.8	22.9	24.2
77.5°	17.4	18.7	20.0	21.2	22.5	24.6	26.5	28.4	30.2	31.9	33.6
75°	20.5	22.0	24.5	27.1	29.7	32.1	34.7	38.6	42.3	45.9	49.3
72.5°	24.5	27.7	30.8	33.8	38.6	43.5	48.2	52.8	63.3	77.5	91.1
70°	29.8	33.4	38.9	44.9	50.6	60.2	78.7	96.5	113.6	136.1	169.8
67.5°	35.6	42.6	49.4	59.6	81.8	103.3	124.1	167.1	208.9	249.0	289.7
65°	44.4	52.1	72.1	97.4	122.0	170.9	221.2	269.7	326.1	381.8	434.8
62.5°	53.0	78.4	106.8	146.3	205.1	262.3	327.8	394.4	458.6	523.0	584.8
60°	78.4	110.0	160.1	225.8	293.2	371.0	446.4	522.2	596.2	667.6	751.7
57.5°	106.8	160.1	232.7	310.6	397.1	482.2	568.4	651.9	748.4	844.2	936.8
55°	146.3	225.8	310.6	405.9	500.8	596.4	695.1	806.8	914.7	1022.7	1126.2
52.5°	205.1	293.2	397.1	500.8	605.8	718.5	842.2	964.2	1085.0	1200.1	1307.2
50°	262.3	371.0	482.2	596.4	718.5	854.0	989.1	1122.7	1248.7	1368.5	1488.5
47.5°	327.8	446.4	568.4	695.1	842.2	989.1	1135.3	1273.2	1405.7	1542.3	1674.8
45°	394.4	522.2	651.9	806.8	964.2	1122.7	1273.2	1418.1	1569.5	1706.5	1805.1
42.5°	458.6	596.2	748.4	914.7	1085.0	1248.7	1405.7	1569.5	1716.1	1824.7	1887.7
40°	523.0	667.6	844.2	1022.7	1200.1	1368.5	1542.3	1706.5	1824.7	1890.7	1923.3
37.5°	584.8	751.7	936.8	1126.2	1307.2	1488.5	1674.8	1805.1	1887.7	1923.3	2047.3
35°	643.5	831.6	1027.6	1222.6	1409.4	1606.8	1766.2	1879.0	1917.3	2035.9	2488.5
32.5°	707.0	907.2	1113.6	1312.3	1513.1	1708.7	1850.6	1905.5	2002.0	2294.8	3481.1
30°	771.5	980.9	1193.5	1396.7	1611.5	1782.9	1888.0	1946.1	2102.0	3184.9	4315.0
27.5°	831.6	1049.9	1266.0	1480.1	1697.9	1852.5	1910.0	2034.1	2698.0	3988.0	5045.4
25°	887.2	1113.6	1333.1	1558.8	1757.6	1884.1	1945.7	2116.3	3433.8	4629.2	5355.9
22.5°	939.0	1171.9	1394.6	1631.0	1812.5	1901.6	2016.0	2662.6	4059.7	5204.6	5546.2
20°	986.7	1222.6	1452.7	1692.8	1862.4	1917.4	2080.0	3239.3	4565.4	5367.0	5702.3
17.5°	1029.3	1267.7	1506.0	1733.7	1881.0	1950.0	2205.8	3757.2	5020.6	5513.5	5834.8
15°	1066.4	1307.2	1552.8	1769.4	1892.5	1996.5	2626.2	4139.7	5263.6	5637.0	5951.7
12.5°	1098.1	1340.8	1592.6	1800.0	1902.3	2036.2	2986.3	4457.7	5366.4	5730.4	6034.4
10°	1124.1	1368.5	1625.4	1825.1	1910.4	2069.0	3284.2	4721.0	5451.6	5808.1	6103.3
7.5°	1144.4	1390.1	1651.1	1844.8	1916.7	2094.7	3517.8	4927.8	5518.7	5869.2	6157.7
5°	1159.0	1405.7	1669.5	1859.0	1921.3	2113.2	3685.8	5076.6	5567.0	5913.3	6197.0
2.5°	1167.8	1415.0	1680.6	1867.5	1924.0	2124.3	3787.1	5166.3	5596.2	5940.0	6220.8
0°	1170.7	1418.1	1684.3	1870.3	1924.9	2128.0	3820.9	5196.3	5605.9	5948.9	6228.7
-2.5°	1167.8	1415.0	1680.6	1867.5	1924.0	2124.3	3787.1	5166.3	5596.2	5940.0	6220.8
-5°	1159.0	1405.7	1669.5	1859.0	1921.3	2113.2	3685.8	5076.6	5567.0	5913.3	6197.0
-7.5°	1144.4	1390.1	1651.1	1844.8	1916.7	2094.7	3517.8	4927.8	5518.7	5869.2	6157.7
-10°	1124.1	1368.5	1625.4	1825.1	1910.4	2069.0	3284.2	4721.0	5451.6	5808.1	6103.3
-12.5°	1098.1	1340.8	1592.6	1800.0	1902.3	2036.2	2986.3	4457.7	5366.4	5730.4	6034.4
-15°	1066.4	1307.2	1552.8	1769.4	1892.5	1996.5	2626.2	4139.7	5263.6	5637.0	5951.7
-17.5°	1029.3	1267.7	1506.0	1733.7	1881.0	1950.0	2205.8	3757.2	5020.6	5513.5	5834.8
-20°	986.7	1222.6	1452.7	1692.8	1862.4	1917.4	2080.0	3239.3	4565.4	5367.0	5702.3



REPORT NUMBER: P701452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-HEG-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	939.0	1171.9	1394.6	1631.0	1812.5	1901.6	2016.0	2662.6	4059.7	5204.6	5546.2
-25°	887.2	1113.6	1333.1	1558.8	1757.6	1884.1	1945.7	2116.3	3433.8	4629.2	5355.9
-27.5°	831.6	1049.9	1266.0	1480.1	1697.9	1852.5	1910.0	2034.1	2698.0	3988.0	5045.4
-30°	771.5	980.9	1193.5	1396.7	1611.5	1782.9	1888.0	1946.1	2102.0	3184.9	4315.0
-32.5°	707.0	907.2	1113.6	1312.3	1513.1	1708.7	1850.6	1905.5	2002.0	2294.8	3481.1
-35°	643.5	831.6	1027.6	1222.6	1409.4	1606.8	1766.2	1879.0	1917.3	2035.9	2488.5
-37.5°	584.8	751.7	936.8	1126.2	1307.2	1488.5	1674.8	1805.1	1887.7	1923.3	2047.3
-40°	523.0	667.6	844.2	1022.7	1200.1	1368.5	1542.3	1706.5	1824.7	1890.7	1923.3
-42.5°	458.6	596.2	748.4	914.7	1085.0	1248.7	1405.7	1569.5	1716.1	1824.7	1887.7
-45°	394.4	522.2	651.9	806.8	964.2	1122.7	1273.2	1418.1	1569.5	1706.5	1805.1
-47.5°	327.8	446.4	568.4	695.1	842.2	989.1	1135.3	1273.2	1405.7	1542.3	1674.8
-50°	262.3	371.0	482.2	596.4	718.5	854.0	989.1	1122.7	1248.7	1368.5	1488.5
-52.5°	205.1	293.2	397.1	500.8	605.8	718.5	842.2	964.2	1085.0	1200.1	1307.2
-55°	146.3	225.8	310.6	405.9	500.8	596.4	695.1	806.8	914.7	1022.7	1126.2
-57.5°	106.8	160.1	232.7	310.6	397.1	482.2	568.4	651.9	748.4	844.2	936.8
-60°	78.4	110.0	160.1	225.8	293.2	371.0	446.4	522.2	596.2	667.6	751.7
-62.5°	53.0	78.4	106.8	146.3	205.1	262.3	327.8	394.4	458.6	523.0	584.8
-65°	44.4	52.1	72.1	97.4	122.0	170.9	221.2	269.7	326.1	381.8	434.8
-67.5°	35.6	42.6	49.4	59.6	81.8	103.3	124.1	167.1	208.9	249.0	289.7
-70°	29.8	33.4	38.9	44.9	50.6	60.2	78.7	96.5	113.6	136.1	169.8
-72.5°	24.5	27.7	30.8	33.8	38.6	43.5	48.2	52.8	63.3	77.5	91.1
-75°	20.5	22.0	24.5	27.1	29.7	32.1	34.7	38.6	42.3	45.9	49.3
-77.5°	17.4	18.7	20.0	21.2	22.5	24.6	26.5	28.4	30.2	31.9	33.6
-80°	14.6	15.4	16.4	17.3	18.3	19.2	20.1	21.0	21.8	22.9	24.2
-82.5°	12.2	12.8	13.4	13.9	14.5	15.0	15.6	16.2	16.8	17.4	18.0
-85°	9.4	10.2	10.6	11.0	11.3	11.7	12.0	12.3	12.7	13.0	13.2
-87.5°	4.7	5.1	5.5	5.8	6.2	6.6	6.9	7.2	7.5	7.8	8.1
-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°	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.7	9.9	10.0	10.0
85°	13.5	13.8	14.0	14.2	14.4	14.6	14.8	14.9	15.0	15.2	15.2
82.5°	18.5	19.0	19.5	19.9	20.3	20.6	21.0	21.3	21.5	21.7	21.9
80°	25.4	26.6	27.7	28.7	29.6	30.4	31.2	31.9	32.5	33.0	33.4
77.5°	35.8	38.3	40.7	42.9	44.9	46.7	48.3	49.8	51.1	52.1	53.0
75°	52.5	57.6	67.3	76.2	84.5	92.0	98.7	104.7	110.0	114.4	118.1
72.5°	103.9	116.0	130.4	153.1	174.1	193.3	210.5	225.8	239.2	250.5	259.8
70°	201.8	231.9	260.1	288.7	318.8	346.2	371.0	393.0	412.2	428.5	441.9
67.5°	334.7	377.2	417.0	454.0	489.3	522.2	551.8	578.1	601.1	620.7	636.8
65°	486.2	536.3	583.2	626.9	667.6	713.3	754.5	791.2	823.2	850.5	872.9
62.5°	643.5	707.0	771.5	831.6	887.2	939.0	986.7	1029.3	1066.4	1098.1	1124.1
60°	831.6	907.2	980.9	1049.9	1113.6	1171.9	1222.6	1267.7	1307.2	1340.8	1368.5
57.5°	1027.6	1113.6	1193.5	1266.0	1333.1	1394.6	1452.7	1506.0	1552.8	1592.6	1625.4
55°	1222.6	1312.3	1396.7	1480.1	1558.8	1631.0	1692.8	1733.7	1769.4	1800.0	1825.1
52.5°	1409.4	1513.1	1611.5	1697.9	1757.6	1812.5	1862.4	1881.0	1892.5	1902.3	1910.4
50°	1606.8	1708.7	1782.9	1852.5	1884.1	1901.6	1917.4	1950.0	1996.5	2036.2	2069.0
47.5°	1766.2	1850.6	1888.0	1910.0	1945.7	2016.0	2080.0	2205.8	2626.2	2986.3	3284.2
45°	1879.0	1905.5	1946.1	2034.1	2116.3	2662.6	3239.3	3757.2	4139.7	4457.7	4721.0
42.5°	1917.3	2002.0	2102.0	2698.0	3433.8	4059.7	4565.4	5020.6	5263.6	5366.4	5451.6
40°	2035.9	2294.8	3184.9	3988.0	4629.2	5204.6	5367.0	5513.5	5637.0	5730.4	5808.1
37.5°	2488.5	3481.1	4315.0	5045.4	5355.9	5546.2	5702.3	5834.8	5951.7	6034.4	6103.3
35°	3580.6	4480.4	5226.9	5458.7	5665.8	5836.8	5986.0	6102.7	6206.5	6242.3	6257.5
32.5°	4480.4	5252.3	5510.8	5732.9	5928.5	6081.7	6220.0	6252.3	6275.0	6283.9	6281.9
30°	5226.9	5510.8	5755.5	5970.2	6140.3	6243.1	6273.1	6283.2	6280.2	6269.1	6236.9
27.5°	5458.7	5732.9	5970.2	6160.0	6251.4	6285.0	6281.1	6267.1	6219.5	6177.7	6317.4
25°	5665.8	5928.5	6140.3	6251.4	6284.5	6280.0	6242.3	6185.2	6353.3	6535.3	7826.5
22.5°	5836.8	6081.7	6243.1	6285.0	6280.0	6233.9	6216.9	6462.7	7794.5	10029.9	14025.7
20°	5986.0	6220.0	6273.1	6281.1	6242.3	6216.9	6499.8	8669.8	12207.2	20541.5	28624.1
17.5°	6102.7	6252.3	6283.2	6267.1	6185.2	6462.7	8669.8	13800.2	23919.6	37328.0	50362.6
15°	6206.5	6275.0	6280.2	6219.5	6353.3	7794.5	12207.2	23919.6	40313.4	60710.3	85541.4
12.5°	6242.3	6283.9	6269.1	6177.7	6535.3	10029.9	20541.5	37328.0	60710.3	91572.3	129364.0
10°	6257.5	6281.9	6236.9	6317.4	7826.5	14025.7	28624.1	50362.6	85541.4	129364.0	176673.1
7.5°	6269.4	6280.3	6211.3	6429.8	9219.2	19279.3	38176.5	68148.8	111302.6	164374.1	227169.9
5°	6278.1	6279.1	6192.6	6511.9	10240.1	23152.4	45273.3	81909.9	133207.1	196593.2	269825.3
2.5°	6283.3	6278.4	6181.3	6561.8	10863.7	25528.5	49652.5	90471.1	146998.8	218602.6	297638.0
0°	6285.1	6278.2	6177.5	6578.6	11073.5	26329.7	51133.7	93379.9	151716.8	226432.7	307390.9
-2.5°	6283.3	6278.4	6181.3	6561.8	10863.7	25528.5	49652.5	90471.1	146998.8	218602.6	297638.0
-5°	6278.1	6279.1	6192.6	6511.9	10240.1	23152.4	45273.3	81909.9	133207.1	196593.2	269825.3
-7.5°	6269.4	6280.3	6211.3	6429.8	9219.2	19279.3	38176.5	68148.8	111302.6	164374.1	227169.9
-10°	6257.5	6281.9	6236.9	6317.4	7826.5	14025.7	28624.1	50362.6	85541.4	129364.0	176673.1
-12.5°	6242.3	6283.9	6269.1	6177.7	6535.3	10029.9	20541.5	37328.0	60710.3	91572.3	129364.0
-15°	6206.5	6275.0	6280.2	6219.5	6353.3	7794.5	12207.2	23919.6	40313.4	60710.3	85541.4
-17.5°	6102.7	6252.3	6283.2	6267.1	6185.2	6462.7	8669.8	13800.2	23919.6	37328.0	50362.6
-20°	5986.0	6220.0	6273.1	6281.1	6242.3	6216.9	6499.8	8669.8	12207.2	20541.5	28624.1



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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°	5836.8	6081.7	6243.1	6285.0	6280.0	6233.9	6216.9	6462.7	7794.5	10029.9	14025.7
-25°	5665.8	5928.5	6140.3	6251.4	6284.5	6280.0	6242.3	6185.2	6353.3	6535.3	7826.5
-27.5°	5458.7	5732.9	5970.2	6160.0	6251.4	6285.0	6281.1	6267.1	6219.5	6177.7	6317.4
-30°	5226.9	5510.8	5755.5	5970.2	6140.3	6243.1	6273.1	6283.2	6280.2	6269.1	6236.9
-32.5°	4480.4	5252.3	5510.8	5732.9	5928.5	6081.7	6220.0	6252.3	6275.0	6283.9	6281.9
-35°	3580.6	4480.4	5226.9	5458.7	5665.8	5836.8	5986.0	6102.7	6206.5	6242.3	6257.5
-37.5°	2488.5	3481.1	4315.0	5045.4	5355.9	5546.2	5702.3	5834.8	5951.7	6034.4	6103.3
-40°	2035.9	2294.8	3184.9	3988.0	4629.2	5204.6	5367.0	5513.5	5637.0	5730.4	5808.1
-42.5°	1917.3	2002.0	2102.0	2698.0	3433.8	4059.7	4565.4	5020.6	5263.6	5366.4	5451.6
-45°	1879.0	1905.5	1946.1	2034.1	2116.3	2662.6	3239.3	3757.2	4139.7	4457.7	4721.0
-47.5°	1766.2	1850.6	1888.0	1910.0	1945.7	2016.0	2080.0	2205.8	2626.2	2986.3	3284.2
-50°	1606.8	1708.7	1782.9	1852.5	1884.1	1901.6	1917.4	1950.0	1996.5	2036.2	2069.0
-52.5°	1409.4	1513.1	1611.5	1697.9	1757.6	1812.5	1862.4	1881.0	1892.5	1902.3	1910.4
-55°	1222.6	1312.3	1396.7	1480.1	1558.8	1631.0	1692.8	1733.7	1769.4	1800.0	1825.1
-57.5°	1027.6	1113.6	1193.5	1266.0	1333.1	1394.6	1452.7	1506.0	1552.8	1592.6	1625.4
-60°	831.6	907.2	980.9	1049.9	1113.6	1171.9	1222.6	1267.7	1307.2	1340.8	1368.5
-62.5°	643.5	707.0	771.5	831.6	887.2	939.0	986.7	1029.3	1066.4	1098.1	1124.1
-65°	486.2	536.3	583.2	626.9	667.6	713.3	754.5	791.2	823.2	850.5	872.9
-67.5°	334.7	377.2	417.0	454.0	489.3	522.2	551.8	578.1	601.1	620.7	636.8
-70°	201.8	231.9	260.1	288.7	318.8	346.2	371.0	393.0	412.2	428.5	441.9
-72.5°	103.9	116.0	130.4	153.1	174.1	193.3	210.5	225.8	239.2	250.5	259.8
-75°	52.5	57.6	67.3	76.2	84.5	92.0	98.7	104.7	110.0	114.4	118.1
-77.5°	35.8	38.3	40.7	42.9	44.9	46.7	48.3	49.8	51.1	52.1	53.0
-80°	25.4	26.6	27.7	28.7	29.6	30.4	31.2	31.9	32.5	33.0	33.4
-82.5°	18.5	19.0	19.5	19.9	20.3	20.6	21.0	21.3	21.5	21.7	21.9
-85°	13.5	13.8	14.0	14.2	14.4	14.6	14.8	14.9	15.0	15.2	15.2
-87.5°	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.7	9.9	10.0	10.0
-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: P701452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-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°	10.1	10.2	10.2	10.2	10.2	10.2	10.1	10.0	10.0	9.9	9.7
85°	15.3	15.4	15.4	15.4	15.4	15.4	15.3	15.2	15.2	15.0	14.9
82.5°	22.0	22.1	22.2	22.2	22.2	22.1	22.0	21.9	21.7	21.5	21.3
80°	33.7	33.9	34.1	34.1	34.1	33.9	33.7	33.4	33.0	32.5	31.9
77.5°	53.7	54.2	54.5	54.6	54.5	54.2	53.7	53.0	52.1	51.1	49.8
75°	120.9	123.0	124.2	124.6	124.2	123.0	120.9	118.1	114.4	110.0	104.7
72.5°	267.1	272.3	275.5	276.5	275.5	272.3	267.1	259.8	250.5	239.2	225.8
70°	452.4	459.9	464.4	465.9	464.4	459.9	452.4	441.9	428.5	412.2	393.0
67.5°	649.3	658.3	663.7	665.5	663.7	658.3	649.3	636.8	620.7	601.1	578.1
65°	890.4	902.9	910.5	913.0	910.5	902.9	890.4	872.9	850.5	823.2	791.2
62.5°	1144.4	1159.0	1167.8	1170.7	1167.8	1159.0	1144.4	1124.1	1098.1	1066.4	1029.3
60°	1390.1	1405.7	1415.0	1418.1	1415.0	1405.7	1390.1	1368.5	1340.8	1307.2	1267.7
57.5°	1651.1	1669.5	1680.6	1684.3	1680.6	1669.5	1651.1	1625.4	1592.6	1552.8	1506.0
55°	1844.8	1859.0	1867.5	1870.3	1867.5	1859.0	1844.8	1825.1	1800.0	1769.4	1733.7
52.5°	1916.7	1921.3	1924.0	1924.9	1924.0	1921.3	1916.7	1910.4	1902.3	1892.5	1881.0
50°	2094.7	2113.2	2124.3	2128.0	2124.3	2113.2	2094.7	2069.0	2036.2	1996.5	1950.0
47.5°	3517.8	3685.8	3787.1	3820.9	3787.1	3685.8	3517.8	3284.2	2986.3	2626.2	2205.8
45°	4927.8	5076.6	5166.3	5196.3	5166.3	5076.6	4927.8	4721.0	4457.7	4139.7	3757.2
42.5°	5518.7	5567.0	5596.2	5605.9	5596.2	5567.0	5518.7	5451.6	5366.4	5263.6	5020.6
40°	5869.2	5913.3	5940.0	5948.9	5940.0	5913.3	5869.2	5808.1	5730.4	5637.0	5513.5
37.5°	6157.7	6197.0	6220.8	6228.7	6220.8	6197.0	6157.7	6103.3	6034.4	5951.7	5834.8
35°	6269.4	6278.1	6283.3	6285.1	6283.3	6278.1	6269.4	6257.5	6242.3	6206.5	6102.7
32.5°	6280.3	6279.1	6278.4	6278.2	6278.4	6279.1	6280.3	6281.9	6283.9	6275.0	6252.3
30°	6211.3	6192.6	6181.3	6177.5	6181.3	6192.6	6211.3	6236.9	6269.1	6280.2	6283.2
27.5°	6429.8	6511.9	6561.8	6578.6	6561.8	6511.9	6429.8	6317.4	6177.7	6219.5	6267.1
25°	9219.2	10240.1	10863.7	11073.5	10863.7	10240.1	9219.2	7826.5	6535.3	6353.3	6185.2
22.5°	19279.3	23152.4	25528.5	26329.7	25528.5	23152.4	19279.3	14025.7	10029.9	7794.5	6462.7
20°	38176.5	45273.3	49652.5	51133.7	49652.5	45273.3	38176.5	28624.1	20541.5	12207.2	8669.8
17.5°	68148.8	81909.9	90471.1	93379.9	90471.1	81909.9	68148.8	50362.6	37328.0	23919.6	13800.2
15°	111302.6	133207.1	146998.8	151716.8	146998.8	133207.1	111302.6	85541.4	60710.3	40313.4	23919.6
12.5°	164374.1	196593.2	218602.6	226432.7	218602.6	196593.2	164374.1	129364.0	91572.3	60710.3	37328.0
10°	227169.9	269825.3	297638.0	307390.9	297638.0	269825.3	227169.9	176673.1	129364.0	85541.4	50362.6
7.5°	288459.5	339101.1	376455.3	389974.6	376455.3	339101.1	288459.5	227169.9	164374.1	111302.6	68148.8
5°	339101.1	404499.0	444597.8	457273.2	444597.8	404499.0	339101.1	269825.3	196593.2	133207.1	81909.9
2.5°	376455.3	444597.8	487944.1	510419.7	487944.1	444597.8	376455.3	297638.0	218602.6	146998.8	90471.1
0°	389974.6	457273.2	510419.7	548569.4	510419.7	457273.2	389974.6	307390.9	226432.7	151716.8	93379.9
-2.5°	376455.3	444597.8	487944.1	510419.7	487944.1	444597.8	376455.3	297638.0	218602.6	146998.8	90471.1
-5°	339101.1	404499.0	444597.8	457273.2	444597.8	404499.0	339101.1	269825.3	196593.2	133207.1	81909.9
-7.5°	288459.5	339101.1	376455.3	389974.6	376455.3	339101.1	288459.5	227169.9	164374.1	111302.6	68148.8
-10°	227169.9	269825.3	297638.0	307390.9	297638.0	269825.3	227169.9	176673.1	129364.0	85541.4	50362.6
-12.5°	164374.1	196593.2	218602.6	226432.7	218602.6	196593.2	164374.1	129364.0	91572.3	60710.3	37328.0
-15°	111302.6	133207.1	146998.8	151716.8	146998.8	133207.1	111302.6	85541.4	60710.3	40313.4	23919.6
-17.5°	68148.8	81909.9	90471.1	93379.9	90471.1	81909.9	68148.8	50362.6	37328.0	23919.6	13800.2
-20°	38176.5	45273.3	49652.5	51133.7	49652.5	45273.3	38176.5	28624.1	20541.5	12207.2	8669.8



REPORT NUMBER: P701452 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	19279.3	23152.4	25528.5	26329.7	25528.5	23152.4	19279.3	14025.7	10029.9	7794.5	6462.7
-25°	9219.2	10240.1	10863.7	11073.5	10863.7	10240.1	9219.2	7826.5	6535.3	6353.3	6185.2
-27.5°	6429.8	6511.9	6561.8	6578.6	6561.8	6511.9	6429.8	6317.4	6177.7	6219.5	6267.1
-30°	6211.3	6192.6	6181.3	6177.5	6181.3	6192.6	6211.3	6236.9	6269.1	6280.2	6283.2
-32.5°	6280.3	6279.1	6278.4	6278.2	6278.4	6279.1	6280.3	6281.9	6283.9	6275.0	6252.3
-35°	6269.4	6278.1	6283.3	6285.1	6283.3	6278.1	6269.4	6257.5	6242.3	6206.5	6102.7
-37.5°	6157.7	6197.0	6220.8	6228.7	6220.8	6197.0	6157.7	6103.3	6034.4	5951.7	5834.8
-40°	5869.2	5913.3	5940.0	5948.9	5940.0	5913.3	5869.2	5808.1	5730.4	5637.0	5513.5
-42.5°	5518.7	5567.0	5596.2	5605.9	5596.2	5567.0	5518.7	5451.6	5366.4	5263.6	5020.6
-45°	4927.8	5076.6	5166.3	5196.3	5166.3	5076.6	4927.8	4721.0	4457.7	4139.7	3757.2
-47.5°	3517.8	3685.8	3787.1	3820.9	3787.1	3685.8	3517.8	3284.2	2986.3	2626.2	2205.8
-50°	2094.7	2113.2	2124.3	2128.0	2124.3	2113.2	2094.7	2069.0	2036.2	1996.5	1950.0
-52.5°	1916.7	1921.3	1924.0	1924.9	1924.0	1921.3	1916.7	1910.4	1902.3	1892.5	1881.0
-55°	1844.8	1859.0	1867.5	1870.3	1867.5	1859.0	1844.8	1825.1	1800.0	1769.4	1733.7
-57.5°	1651.1	1669.5	1680.6	1684.3	1680.6	1669.5	1651.1	1625.4	1592.6	1552.8	1506.0
-60°	1390.1	1405.7	1415.0	1418.1	1415.0	1405.7	1390.1	1368.5	1340.8	1307.2	1267.7
-62.5°	1144.4	1159.0	1167.8	1170.7	1167.8	1159.0	1144.4	1124.1	1098.1	1066.4	1029.3
-65°	890.4	902.9	910.5	913.0	910.5	902.9	890.4	872.9	850.5	823.2	791.2
-67.5°	649.3	658.3	663.7	665.5	663.7	658.3	649.3	636.8	620.7	601.1	578.1
-70°	452.4	459.9	464.4	465.9	464.4	459.9	452.4	441.9	428.5	412.2	393.0
-72.5°	267.1	272.3	275.5	276.5	275.5	272.3	267.1	259.8	250.5	239.2	225.8
-75°	120.9	123.0	124.2	124.6	124.2	123.0	120.9	118.1	114.4	110.0	104.7
-77.5°	53.7	54.2	54.5	54.6	54.5	54.2	53.7	53.0	52.1	51.1	49.8
-80°	33.7	33.9	34.1	34.1	34.1	33.9	33.7	33.4	33.0	32.5	31.9
-82.5°	22.0	22.1	22.2	22.2	22.2	22.1	22.0	21.9	21.7	21.5	21.3
-85°	15.3	15.4	15.4	15.4	15.4	15.4	15.3	15.2	15.2	15.0	14.9
-87.5°	10.1	10.2	10.2	10.2	10.2	10.2	10.1	10.0	10.0	9.9	9.7
-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°	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.1	7.8	7.5	7.2
85°	14.8	14.6	14.4	14.2	14.0	13.8	13.5	13.2	13.0	12.7	12.3
82.5°	21.0	20.6	20.3	19.9	19.5	19.0	18.5	18.0	17.4	16.8	16.2
80°	31.2	30.4	29.6	28.7	27.7	26.6	25.4	24.2	22.9	21.8	21.0
77.5°	48.3	46.7	44.9	42.9	40.7	38.3	35.8	33.6	31.9	30.2	28.4
75°	98.7	92.0	84.5	76.2	67.3	57.6	52.5	49.3	45.9	42.3	38.6
72.5°	210.5	193.3	174.1	153.1	130.4	116.0	103.9	91.1	77.5	63.3	52.8
70°	371.0	346.2	318.8	288.7	260.1	231.9	201.8	169.8	136.1	113.6	96.5
67.5°	551.8	522.2	489.3	454.0	417.0	377.2	334.7	289.7	249.0	208.9	167.1
65°	754.5	713.3	667.6	626.9	583.2	536.3	486.2	434.8	381.8	326.1	269.7
62.5°	986.7	939.0	887.2	831.6	771.5	707.0	643.5	584.8	523.0	458.6	394.4
60°	1222.6	1171.9	1113.6	1049.9	980.9	907.2	831.6	751.7	667.6	596.2	522.2
57.5°	1452.7	1394.6	1333.1	1266.0	1193.5	1113.6	1027.6	936.8	844.2	748.4	651.9
55°	1692.8	1631.0	1558.8	1480.1	1396.7	1312.3	1222.6	1126.2	1022.7	914.7	806.8
52.5°	1862.4	1812.5	1757.6	1697.9	1611.5	1513.1	1409.4	1307.2	1200.1	1085.0	964.2
50°	1917.4	1901.6	1884.1	1852.5	1782.9	1708.7	1606.8	1488.5	1368.5	1248.7	1122.7
47.5°	2080.0	2016.0	1945.7	1910.0	1888.0	1850.6	1766.2	1674.8	1542.3	1405.7	1273.2
45°	3239.3	2662.6	2116.3	2034.1	1946.1	1905.5	1879.0	1805.1	1706.5	1569.5	1418.1
42.5°	4565.4	4059.7	3433.8	2698.0	2102.0	2002.0	1917.3	1887.7	1824.7	1716.1	1569.5
40°	5367.0	5204.6	4629.2	3988.0	3184.9	2294.8	2035.9	1923.3	1890.7	1824.7	1706.5
37.5°	5702.3	5546.2	5355.9	5045.4	4315.0	3481.1	2488.5	2047.3	1923.3	1887.7	1805.1
35°	5986.0	5836.8	5665.8	5458.7	5226.9	4480.4	3580.6	2488.5	2035.9	1917.3	1879.0
32.5°	6220.0	6081.7	5928.5	5732.9	5510.8	5252.3	4480.4	3481.1	2294.8	2002.0	1905.5
30°	6273.1	6243.1	6140.3	5970.2	5755.5	5510.8	5226.9	4315.0	3184.9	2102.0	1946.1
27.5°	6281.1	6285.0	6251.4	6160.0	5970.2	5732.9	5458.7	5045.4	3988.0	2698.0	2034.1
25°	6242.3	6280.0	6284.5	6251.4	6140.3	5928.5	5665.8	5355.9	4629.2	3433.8	2116.3
22.5°	6216.9	6233.9	6280.0	6285.0	6243.1	6081.7	5836.8	5546.2	5204.6	4059.7	2662.6
20°	6499.8	6216.9	6242.3	6281.1	6273.1	6220.0	5986.0	5702.3	5367.0	4565.4	3239.3
17.5°	8669.8	6462.7	6185.2	6267.1	6283.2	6252.3	6102.7	5834.8	5513.5	5020.6	3757.2
15°	12207.2	7794.5	6353.3	6219.5	6280.2	6275.0	6206.5	5951.7	5637.0	5263.6	4139.7
12.5°	20541.5	10029.9	6535.3	6177.7	6269.1	6283.9	6242.3	6034.4	5730.4	5366.4	4457.7
10°	28624.1	14025.7	7826.5	6317.4	6236.9	6281.9	6257.5	6103.3	5808.1	5451.6	4721.0
7.5°	38176.5	19279.3	9219.2	6429.8	6211.3	6280.3	6269.4	6157.7	5869.2	5518.7	4927.8
5°	45273.3	23152.4	10240.1	6511.9	6192.6	6279.1	6278.1	6197.0	5913.3	5567.0	5076.6
2.5°	49652.5	25528.5	10863.7	6561.8	6181.3	6278.4	6283.3	6220.8	5940.0	5596.2	5166.3
0°	51133.7	26329.7	11073.5	6578.6	6177.5	6278.2	6285.1	6228.7	5948.9	5605.9	5196.3
-2.5°	49652.5	25528.5	10863.7	6561.8	6181.3	6278.4	6283.3	6220.8	5940.0	5596.2	5166.3
-5°	45273.3	23152.4	10240.1	6511.9	6192.6	6279.1	6278.1	6197.0	5913.3	5567.0	5076.6
-7.5°	38176.5	19279.3	9219.2	6429.8	6211.3	6280.3	6269.4	6157.7	5869.2	5518.7	4927.8
-10°	28624.1	14025.7	7826.5	6317.4	6236.9	6281.9	6257.5	6103.3	5808.1	5451.6	4721.0
-12.5°	20541.5	10029.9	6535.3	6177.7	6269.1	6283.9	6242.3	6034.4	5730.4	5366.4	4457.7
-15°	12207.2	7794.5	6353.3	6219.5	6280.2	6275.0	6206.5	5951.7	5637.0	5263.6	4139.7
-17.5°	8669.8	6462.7	6185.2	6267.1	6283.2	6252.3	6102.7	5834.8	5513.5	5020.6	3757.2
-20°	6499.8	6216.9	6242.3	6281.1	6273.1	6220.0	5986.0	5702.3	5367.0	4565.4	3239.3



REPORT NUMBER: P701452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-HEG-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6216.9	6233.9	6280.0	6285.0	6243.1	6081.7	5836.8	5546.2	5204.6	4059.7	2662.6
-25°	6242.3	6280.0	6284.5	6251.4	6140.3	5928.5	5665.8	5355.9	4629.2	3433.8	2116.3
-27.5°	6281.1	6285.0	6251.4	6160.0	5970.2	5732.9	5458.7	5045.4	3988.0	2698.0	2034.1
-30°	6273.1	6243.1	6140.3	5970.2	5755.5	5510.8	5226.9	4315.0	3184.9	2102.0	1946.1
-32.5°	6220.0	6081.7	5928.5	5732.9	5510.8	5252.3	4480.4	3481.1	2294.8	2002.0	1905.5
-35°	5986.0	5836.8	5665.8	5458.7	5226.9	4480.4	3580.6	2488.5	2035.9	1917.3	1879.0
-37.5°	5702.3	5546.2	5355.9	5045.4	4315.0	3481.1	2488.5	2047.3	1923.3	1887.7	1805.1
-40°	5367.0	5204.6	4629.2	3988.0	3184.9	2294.8	2035.9	1923.3	1890.7	1824.7	1706.5
-42.5°	4565.4	4059.7	3433.8	2698.0	2102.0	2002.0	1917.3	1887.7	1824.7	1716.1	1569.5
-45°	3239.3	2662.6	2116.3	2034.1	1946.1	1905.5	1879.0	1805.1	1706.5	1569.5	1418.1
-47.5°	2080.0	2016.0	1945.7	1910.0	1888.0	1850.6	1766.2	1674.8	1542.3	1405.7	1273.2
-50°	1917.4	1901.6	1884.1	1852.5	1782.9	1708.7	1606.8	1488.5	1368.5	1248.7	1122.7
-52.5°	1862.4	1812.5	1757.6	1697.9	1611.5	1513.1	1409.4	1307.2	1200.1	1085.0	964.2
-55°	1692.8	1631.0	1558.8	1480.1	1396.7	1312.3	1222.6	1126.2	1022.7	914.7	806.8
-57.5°	1452.7	1394.6	1333.1	1266.0	1193.5	1113.6	1027.6	936.8	844.2	748.4	651.9
-60°	1222.6	1171.9	1113.6	1049.9	980.9	907.2	831.6	751.7	667.6	596.2	522.2
-62.5°	986.7	939.0	887.2	831.6	771.5	707.0	643.5	584.8	523.0	458.6	394.4
-65°	754.5	713.3	667.6	626.9	583.2	536.3	486.2	434.8	381.8	326.1	269.7
-67.5°	551.8	522.2	489.3	454.0	417.0	377.2	334.7	289.7	249.0	208.9	167.1
-70°	371.0	346.2	318.8	288.7	260.1	231.9	201.8	169.8	136.1	113.6	96.5
-72.5°	210.5	193.3	174.1	153.1	130.4	116.0	103.9	91.1	77.5	63.3	52.8
-75°	98.7	92.0	84.5	76.2	67.3	57.6	52.5	49.3	45.9	42.3	38.6
-77.5°	48.3	46.7	44.9	42.9	40.7	38.3	35.8	33.6	31.9	30.2	28.4
-80°	31.2	30.4	29.6	28.7	27.7	26.6	25.4	24.2	22.9	21.8	21.0
-82.5°	21.0	20.6	20.3	19.9	19.5	19.0	18.5	18.0	17.4	16.8	16.2
-85°	14.8	14.6	14.4	14.2	14.0	13.8	13.5	13.2	13.0	12.7	12.3
-87.5°	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.1	7.8	7.5	7.2
-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: P701452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-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°	6.9	6.6	6.2	5.8	5.5	5.1	4.7	4.3	3.9	3.5	3.1
85°	12.0	11.7	11.3	11.0	10.6	10.2	9.4	8.6	7.8	7.0	6.1
82.5°	15.6	15.0	14.5	13.9	13.4	12.8	12.2	11.6	11.0	10.3	9.2
80°	20.1	19.2	18.3	17.3	16.4	15.4	14.6	13.8	12.9	12.1	11.2
77.5°	26.5	24.6	22.5	21.2	20.0	18.7	17.4	16.1	14.9	13.8	12.8
75°	34.7	32.1	29.7	27.1	24.5	22.0	20.5	18.9	17.3	15.6	14.3
72.5°	48.2	43.5	38.6	33.8	30.8	27.7	24.5	21.7	19.8	17.9	15.9
70°	78.7	60.2	50.6	44.9	38.9	33.4	29.8	26.1	22.3	20.1	17.9
67.5°	124.1	103.3	81.8	59.6	49.4	42.6	35.6	30.8	26.6	22.3	19.8
65°	221.2	170.9	122.0	97.4	72.1	52.1	44.4	36.5	30.8	26.1	21.7
62.5°	327.8	262.3	205.1	146.3	106.8	78.4	53.0	44.4	35.6	29.8	24.5
60°	446.4	371.0	293.2	225.8	160.1	110.0	78.4	52.1	42.6	33.4	27.7
57.5°	568.4	482.2	397.1	310.6	232.7	160.1	106.8	72.1	49.4	38.9	30.8
55°	695.1	596.4	500.8	405.9	310.6	225.8	146.3	97.4	59.6	44.9	33.8
52.5°	842.2	718.5	605.8	500.8	397.1	293.2	205.1	122.0	81.8	50.6	38.6
50°	989.1	854.0	718.5	596.4	482.2	371.0	262.3	170.9	103.3	60.2	43.5
47.5°	1135.3	989.1	842.2	695.1	568.4	446.4	327.8	221.2	124.1	78.7	48.2
45°	1273.2	1122.7	964.2	806.8	651.9	522.2	394.4	269.7	167.1	96.5	52.8
42.5°	1405.7	1248.7	1085.0	914.7	748.4	596.2	458.6	326.1	208.9	113.6	63.3
40°	1542.3	1368.5	1200.1	1022.7	844.2	667.6	523.0	381.8	249.0	136.1	77.5
37.5°	1674.8	1488.5	1307.2	1126.2	936.8	751.7	584.8	434.8	289.7	169.8	91.1
35°	1766.2	1606.8	1409.4	1222.6	1027.6	831.6	643.5	486.2	334.7	201.8	103.9
32.5°	1850.6	1708.7	1513.1	1312.3	1113.6	907.2	707.0	536.3	377.2	231.9	116.0
30°	1888.0	1782.9	1611.5	1396.7	1193.5	980.9	771.5	583.2	417.0	260.1	130.4
27.5°	1910.0	1852.5	1697.9	1480.1	1266.0	1049.9	831.6	626.9	454.0	288.7	153.1
25°	1945.7	1884.1	1757.6	1558.8	1333.1	1113.6	887.2	667.6	489.3	318.8	174.1
22.5°	2016.0	1901.6	1812.5	1631.0	1394.6	1171.9	939.0	713.3	522.2	346.2	193.3
20°	2080.0	1917.4	1862.4	1692.8	1452.7	1222.6	986.7	754.5	551.8	371.0	210.5
17.5°	2205.8	1950.0	1881.0	1733.7	1506.0	1267.7	1029.3	791.2	578.1	393.0	225.8
15°	2626.2	1996.5	1892.5	1769.4	1552.8	1307.2	1066.4	823.2	601.1	412.2	239.2
12.5°	2986.3	2036.2	1902.3	1800.0	1592.6	1340.8	1098.1	850.5	620.7	428.5	250.5
10°	3284.2	2069.0	1910.4	1825.1	1625.4	1368.5	1124.1	872.9	636.8	441.9	259.8
7.5°	3517.8	2094.7	1916.7	1844.8	1651.1	1390.1	1144.4	890.4	649.3	452.4	267.1
5°	3685.8	2113.2	1921.3	1859.0	1669.5	1405.7	1159.0	902.9	658.3	459.9	272.3
2.5°	3787.1	2124.3	1924.0	1867.5	1680.6	1415.0	1167.8	910.5	663.7	464.4	275.5
0°	3820.9	2128.0	1924.9	1870.3	1684.3	1418.1	1170.7	913.0	665.5	465.9	276.5
-2.5°	3787.1	2124.3	1924.0	1867.5	1680.6	1415.0	1167.8	910.5	663.7	464.4	275.5
-5°	3685.8	2113.2	1921.3	1859.0	1669.5	1405.7	1159.0	902.9	658.3	459.9	272.3
-7.5°	3517.8	2094.7	1916.7	1844.8	1651.1	1390.1	1144.4	890.4	649.3	452.4	267.1
-10°	3284.2	2069.0	1910.4	1825.1	1625.4	1368.5	1124.1	872.9	636.8	441.9	259.8
-12.5°	2986.3	2036.2	1902.3	1800.0	1592.6	1340.8	1098.1	850.5	620.7	428.5	250.5
-15°	2626.2	1996.5	1892.5	1769.4	1552.8	1307.2	1066.4	823.2	601.1	412.2	239.2
-17.5°	2205.8	1950.0	1881.0	1733.7	1506.0	1267.7	1029.3	791.2	578.1	393.0	225.8
-20°	2080.0	1917.4	1862.4	1692.8	1452.7	1222.6	986.7	754.5	551.8	371.0	210.5



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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°	2016.0	1901.6	1812.5	1631.0	1394.6	1171.9	939.0	713.3	522.2	346.2	193.3
-25°	1945.7	1884.1	1757.6	1558.8	1333.1	1113.6	887.2	667.6	489.3	318.8	174.1
-27.5°	1910.0	1852.5	1697.9	1480.1	1266.0	1049.9	831.6	626.9	454.0	288.7	153.1
-30°	1888.0	1782.9	1611.5	1396.7	1193.5	980.9	771.5	583.2	417.0	260.1	130.4
-32.5°	1850.6	1708.7	1513.1	1312.3	1113.6	907.2	707.0	536.3	377.2	231.9	116.0
-35°	1766.2	1606.8	1409.4	1222.6	1027.6	831.6	643.5	486.2	334.7	201.8	103.9
-37.5°	1674.8	1488.5	1307.2	1126.2	936.8	751.7	584.8	434.8	289.7	169.8	91.1
-40°	1542.3	1368.5	1200.1	1022.7	844.2	667.6	523.0	381.8	249.0	136.1	77.5
-42.5°	1405.7	1248.7	1085.0	914.7	748.4	596.2	458.6	326.1	208.9	113.6	63.3
-45°	1273.2	1122.7	964.2	806.8	651.9	522.2	394.4	269.7	167.1	96.5	52.8
-47.5°	1135.3	989.1	842.2	695.1	568.4	446.4	327.8	221.2	124.1	78.7	48.2
-50°	989.1	854.0	718.5	596.4	482.2	371.0	262.3	170.9	103.3	60.2	43.5
-52.5°	842.2	718.5	605.8	500.8	397.1	293.2	205.1	122.0	81.8	50.6	38.6
-55°	695.1	596.4	500.8	405.9	310.6	225.8	146.3	97.4	59.6	44.9	33.8
-57.5°	568.4	482.2	397.1	310.6	232.7	160.1	106.8	72.1	49.4	38.9	30.8
-60°	446.4	371.0	293.2	225.8	160.1	110.0	78.4	52.1	42.6	33.4	27.7
-62.5°	327.8	262.3	205.1	146.3	106.8	78.4	53.0	44.4	35.6	29.8	24.5
-65°	221.2	170.9	122.0	97.4	72.1	52.1	44.4	36.5	30.8	26.1	21.7
-67.5°	124.1	103.3	81.8	59.6	49.4	42.6	35.6	30.8	26.6	22.3	19.8
-70°	78.7	60.2	50.6	44.9	38.9	33.4	29.8	26.1	22.3	20.1	17.9
-72.5°	48.2	43.5	38.6	33.8	30.8	27.7	24.5	21.7	19.8	17.9	15.9
-75°	34.7	32.1	29.7	27.1	24.5	22.0	20.5	18.9	17.3	15.6	14.3
-77.5°	26.5	24.6	22.5	21.2	20.0	18.7	17.4	16.1	14.9	13.8	12.8
-80°	20.1	19.2	18.3	17.3	16.4	15.4	14.6	13.8	12.9	12.1	11.2
-82.5°	15.6	15.0	14.5	13.9	13.4	12.8	12.2	11.6	11.0	10.3	9.2
-85°	12.0	11.7	11.3	11.0	10.6	10.2	9.4	8.6	7.8	7.0	6.1
-87.5°	6.9	6.6	6.2	5.8	5.5	5.1	4.7	4.3	3.9	3.5	3.1
-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):**

	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°	2.6	2.2	1.8	1.3	0.9	0.4	0.0
85°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
82.5°	7.9	6.6	5.3	4.0	2.7	1.3	0.0
80°	10.4	8.8	7.0	5.3	3.5	1.8	0.0
77.5°	11.7	10.6	8.8	6.6	4.4	2.2	0.0
75°	13.0	11.7	10.4	7.9	5.3	2.6	0.0
72.5°	14.3	12.8	11.2	9.2	6.1	3.1	0.0
70°	15.6	13.8	12.1	10.3	7.0	3.5	0.0
67.5°	17.3	14.9	12.9	11.0	7.8	3.9	0.0
65°	18.9	16.1	13.8	11.6	8.6	4.3	0.0
62.5°	20.5	17.4	14.6	12.2	9.4	4.7	0.0
60°	22.0	18.7	15.4	12.8	10.2	5.1	0.0
57.5°	24.5	20.0	16.4	13.4	10.6	5.5	0.0
55°	27.1	21.2	17.3	13.9	11.0	5.8	0.0
52.5°	29.7	22.5	18.3	14.5	11.3	6.2	0.0
50°	32.1	24.6	19.2	15.0	11.7	6.6	0.0
47.5°	34.7	26.5	20.1	15.6	12.0	6.9	0.0
45°	38.6	28.4	21.0	16.2	12.3	7.2	0.0
42.5°	42.3	30.2	21.8	16.8	12.7	7.5	0.0
40°	45.9	31.9	22.9	17.4	13.0	7.8	0.0
37.5°	49.3	33.6	24.2	18.0	13.2	8.1	0.0
35°	52.5	35.8	25.4	18.5	13.5	8.4	0.0
32.5°	57.6	38.3	26.6	19.0	13.8	8.6	0.0
30°	67.3	40.7	27.7	19.5	14.0	8.8	0.0
27.5°	76.2	42.9	28.7	19.9	14.2	9.0	0.0
25°	84.5	44.9	29.6	20.3	14.4	9.2	0.0
22.5°	92.0	46.7	30.4	20.6	14.6	9.4	0.0
20°	98.7	48.3	31.2	21.0	14.8	9.6	0.0
17.5°	104.7	49.8	31.9	21.3	14.9	9.7	0.0
15°	110.0	51.1	32.5	21.5	15.0	9.9	0.0
12.5°	114.4	52.1	33.0	21.7	15.2	10.0	0.0
10°	118.1	53.0	33.4	21.9	15.2	10.0	0.0
7.5°	120.9	53.7	33.7	22.0	15.3	10.1	0.0
5°	123.0	54.2	33.9	22.1	15.4	10.2	0.0
2.5°	124.2	54.5	34.1	22.2	15.4	10.2	0.0
0°	124.6	54.6	34.1	22.2	15.4	10.2	0.0
-2.5°	124.2	54.5	34.1	22.2	15.4	10.2	0.0
-5°	123.0	54.2	33.9	22.1	15.4	10.2	0.0
-7.5°	120.9	53.7	33.7	22.0	15.3	10.1	0.0
-10°	118.1	53.0	33.4	21.9	15.2	10.0	0.0
-12.5°	114.4	52.1	33.0	21.7	15.2	10.0	0.0
-15°	110.0	51.1	32.5	21.5	15.0	9.9	0.0
-17.5°	104.7	49.8	31.9	21.3	14.9	9.7	0.0
-20°	98.7	48.3	31.2	21.0	14.8	9.6	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	92.0	46.7	30.4	20.6	14.6	9.4	0.0
-25°	84.5	44.9	29.6	20.3	14.4	9.2	0.0
-27.5°	76.2	42.9	28.7	19.9	14.2	9.0	0.0
-30°	67.3	40.7	27.7	19.5	14.0	8.8	0.0
-32.5°	57.6	38.3	26.6	19.0	13.8	8.6	0.0
-35°	52.5	35.8	25.4	18.5	13.5	8.4	0.0
-37.5°	49.3	33.6	24.2	18.0	13.2	8.1	0.0
-40°	45.9	31.9	22.9	17.4	13.0	7.8	0.0
-42.5°	42.3	30.2	21.8	16.8	12.7	7.5	0.0
-45°	38.6	28.4	21.0	16.2	12.3	7.2	0.0
-47.5°	34.7	26.5	20.1	15.6	12.0	6.9	0.0
-50°	32.1	24.6	19.2	15.0	11.7	6.6	0.0
-52.5°	29.7	22.5	18.3	14.5	11.3	6.2	0.0
-55°	27.1	21.2	17.3	13.9	11.0	5.8	0.0
-57.5°	24.5	20.0	16.4	13.4	10.6	5.5	0.0
-60°	22.0	18.7	15.4	12.8	10.2	5.1	0.0
-62.5°	20.5	17.4	14.6	12.2	9.4	4.7	0.0
-65°	18.9	16.1	13.8	11.6	8.6	4.3	0.0
-67.5°	17.3	14.9	12.9	11.0	7.8	3.9	0.0
-70°	15.6	13.8	12.1	10.3	7.0	3.5	0.0
-72.5°	14.3	12.8	11.2	9.2	6.1	3.1	0.0
-75°	13.0	11.7	10.4	7.9	5.3	2.6	0.0
-77.5°	11.7	10.6	8.8	6.6	4.4	2.2	0.0
-80°	10.4	8.8	7.0	5.3	3.5	1.8	0.0
-82.5°	7.9	6.6	5.3	4.0	2.7	1.3	0.0
-85°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
-87.5°	2.6	2.2	1.8	1.3	0.9	0.4	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





Horizontal Angle (degrees)



Horizontal Angle (degrees)



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report

