

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: P731271 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-70-2S-HEG**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731271 (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: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680N-40-70-2S-HEG  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 2S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

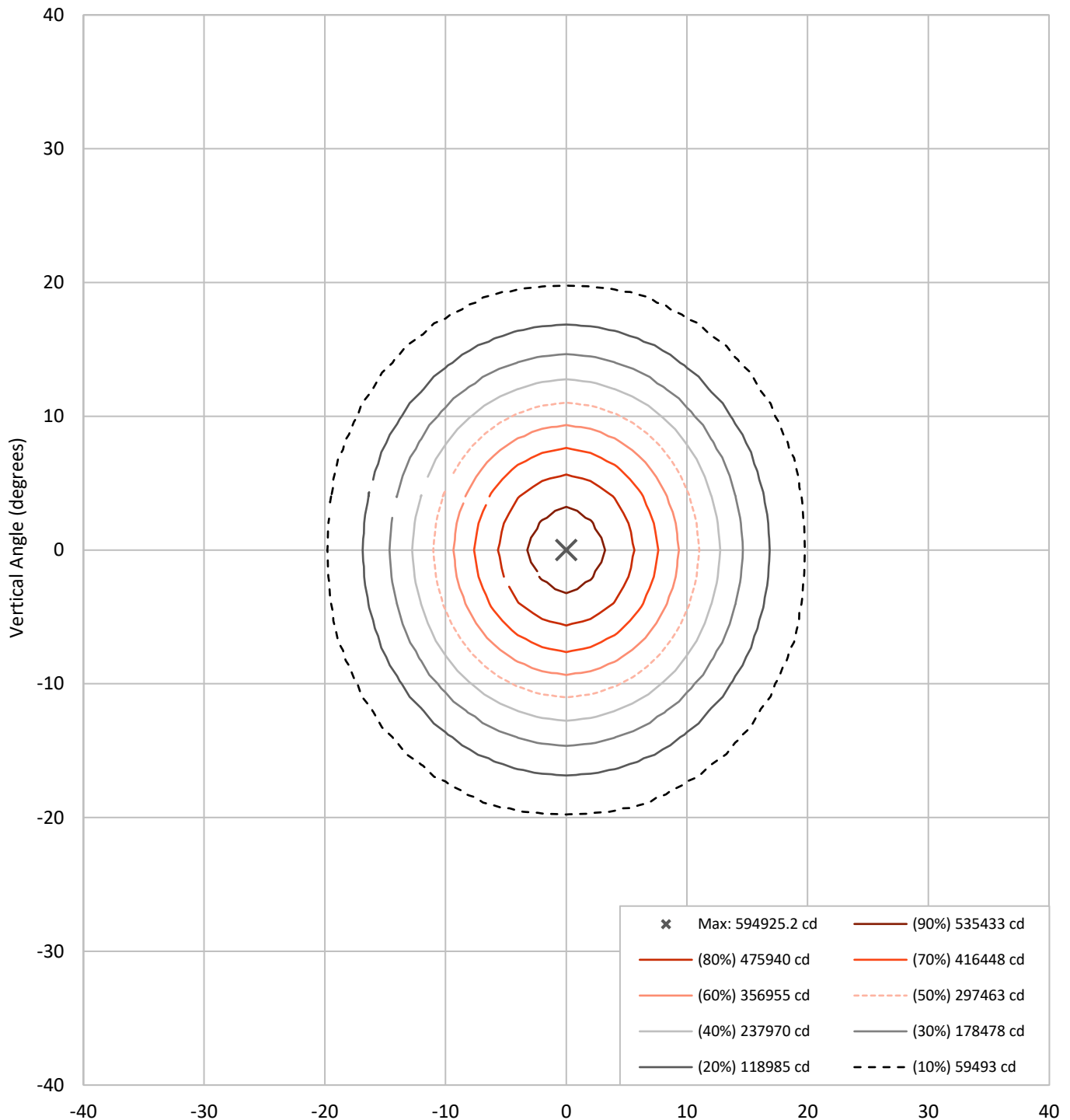
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	107164.8 lumens	Max Intensity:	594925.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	152.4 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:	47363.3 lumens	Field Lumens:	87964.9 lumens
Beam Efficiency:	44.2%	Field Efficiency:	82.1%

Input Watts (W): 703.3  
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





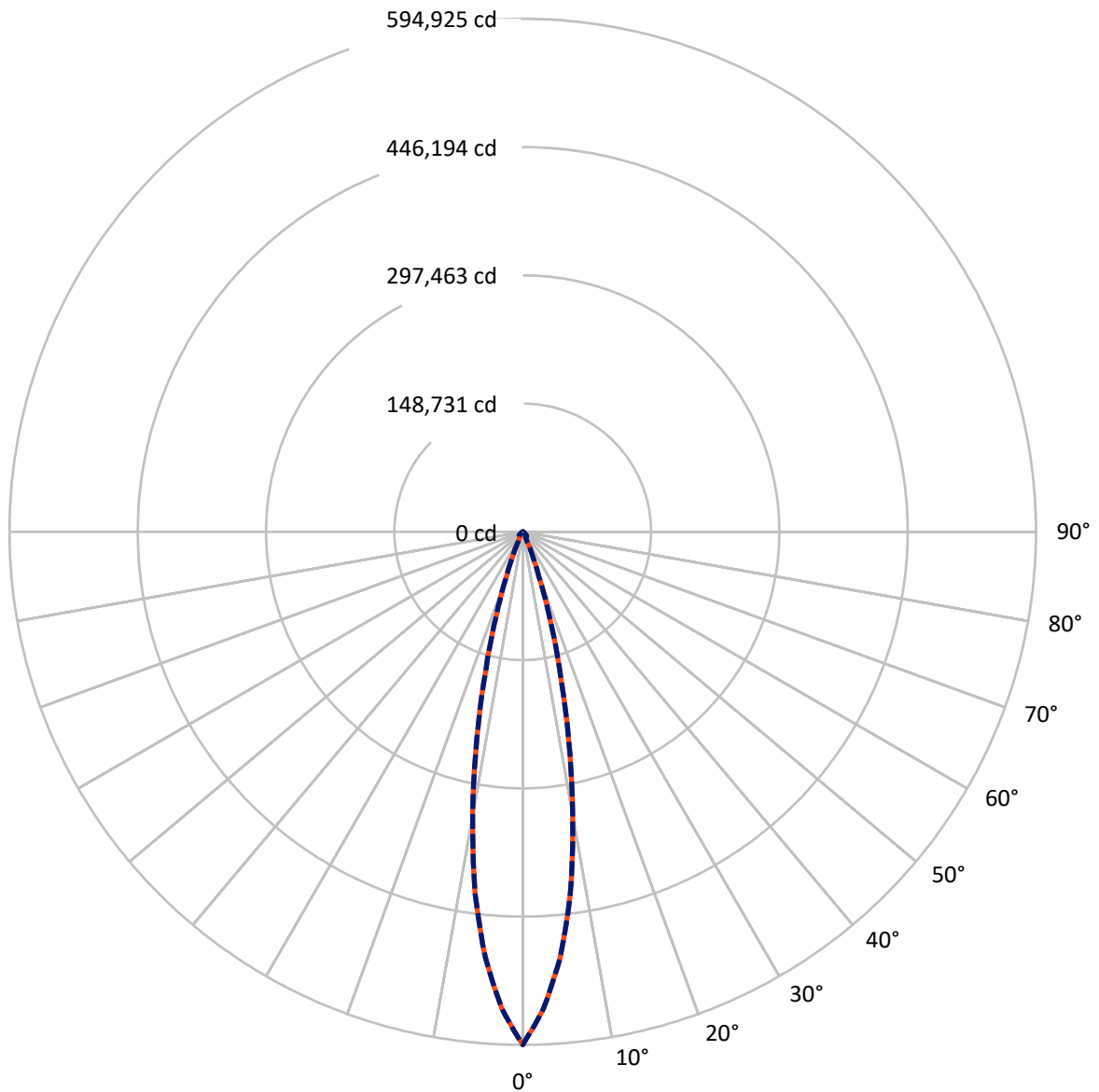
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### Lumen Table

90																
80	0.2	1.1		3.8		9.4		12.4		9.4		3.8		1.1	0.2	
70																
60	0.5	0.6	2.2	6.7	13.4	20.6	26.6	29.9	29.9	26.6	20.6	13.4	6.7	2.2	0.6	0.5
50		1.7	7.9	19.1	33.0	45.8	54.6	59.1	59.1	54.6	45.8	33.0	19.1	7.9	1.7	
40	1.2	4.2	15.6	33.1	50.4	81.7	125.0	149.8	149.8	125.0	81.7	50.4	33.1	15.6	4.2	1.2
30		7.2	23.3	43.6	96.3	165.3	193.7	203.7	203.7	193.7	165.3	96.3	43.6	23.3	7.2	
20	2.7	9.9	29.3	64.4	149.6	186.2	254.6	519.5	519.5	254.6	186.2	149.6	64.4	29.3	9.9	2.7
10		12.0	32.7	92.8	164.4	239.6	1515.7	4491.2	4491.2	1515.7	239.6	164.4	92.8	32.7	12.0	
0	3.4	13.1	34.3	107.5	167.6	478.9	4377.1	12309.9	12309.9	4377.1	478.9	167.6	107.5	34.3	13.1	3.4
-10		13.1	34.3	107.5	167.6	478.9	4377.1	12309.9	12309.9	4377.1	478.9	167.6	107.5	34.3	13.1	
-20	2.7	12.0	32.7	92.8	164.4	239.6	1515.7	4491.2	4491.2	1515.7	239.6	164.4	92.8	32.7	12.0	2.7
-30		9.9	29.3	64.4	149.6	186.2	254.6	519.5	519.5	254.6	186.2	149.6	64.4	29.3	9.9	
-40	1.2	7.2	23.3	43.6	96.3	165.3	193.7	203.7	203.7	193.7	165.3	96.3	43.6	23.3	7.2	1.2
-50		4.2	15.6	33.1	50.4	81.7	125.0	149.8	149.8	125.0	81.7	50.4	33.1	15.6	4.2	
-60	0.5	1.7	7.9	19.1	33.0	45.8	54.6	59.1	59.1	54.6	45.8	33.0	19.1	7.9	1.7	0.5
-70		0.6	2.2	6.7	13.4	20.6	26.6	29.9	29.9	26.6	20.6	13.4	6.7	2.2	0.6	
-80																
-90	0.2	1.1		3.8		9.4		12.4		9.4		3.8		1.1	0.2	

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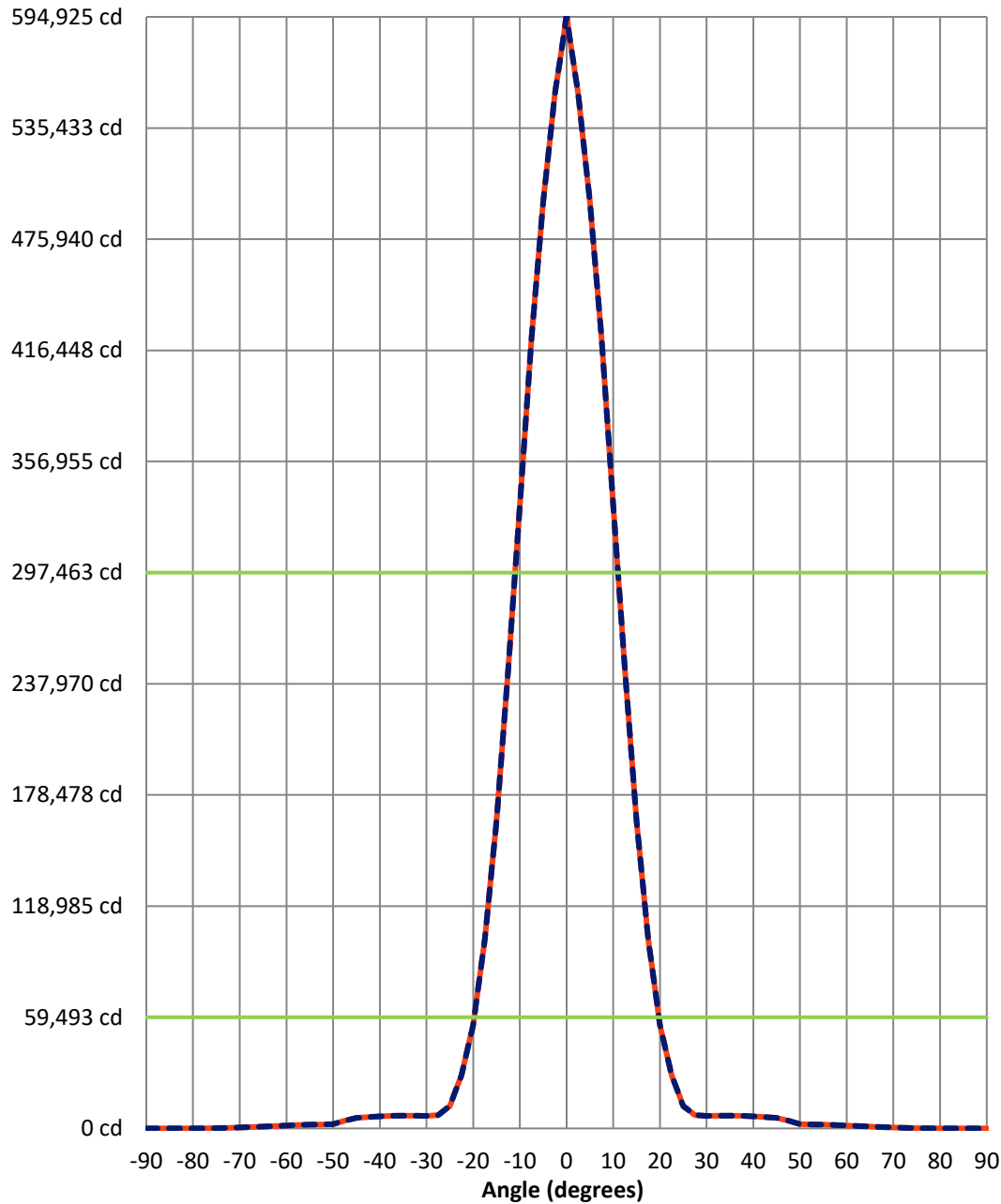
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 22°  
 V Angle: 22°  
 Lumens: 47363.3  
 Efficiency: 44.2%

**Field:**  
 H Angle: 39.6°  
 V Angle: 39.6°  
 Lumens: 87964.9  
 Efficiency: 82.1%

**Spill:**  
 Lumens: 19199.8  
 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	0.5	1.0	1.4	1.9	2.4	2.9	3.3	3.8	4.2	4.7
85°	0.0	1.0	1.9	2.9	3.9	4.8	5.7	6.7	7.6	8.5	9.4
82.5°	0.0	1.4	2.9	4.3	5.8	7.2	8.6	10.0	11.2	11.9	12.6
80°	0.0	1.9	3.9	5.8	7.7	9.6	11.3	12.2	13.1	14.0	14.9
77.5°	0.0	2.4	4.8	7.2	9.6	11.5	12.7	13.9	15.0	16.1	17.4
75°	0.0	2.9	5.7	8.6	11.3	12.7	14.1	15.5	16.9	18.7	20.5
72.5°	0.0	3.3	6.7	10.0	12.2	13.9	15.5	17.3	19.4	21.5	23.5
70°	0.0	3.8	7.6	11.2	13.1	15.0	16.9	19.4	21.8	24.2	28.3
67.5°	0.0	4.2	8.5	11.9	14.0	16.1	18.7	21.5	24.2	28.9	33.4
65°	0.0	4.7	9.4	12.6	14.9	17.4	20.5	23.5	28.3	33.4	39.6
62.5°	0.0	5.1	10.2	13.2	15.8	18.9	22.2	26.6	32.3	38.6	48.1
60°	0.0	5.5	11.1	13.9	16.7	20.3	23.9	30.0	36.2	46.2	56.5
57.5°	0.0	6.0	11.5	14.5	17.7	21.7	26.6	33.4	42.2	53.6	78.2
55°	0.0	6.4	11.9	15.1	18.8	23.0	29.5	36.6	48.7	64.7	105.6
52.5°	0.0	6.8	12.3	15.7	19.9	24.5	32.2	41.9	54.9	88.7	132.3
50°	0.0	7.1	12.7	16.3	20.9	26.7	34.8	47.2	65.3	112.0	185.3
47.5°	0.0	7.5	13.1	16.9	21.8	28.8	37.6	52.3	85.3	134.6	239.8
45°	0.0	7.8	13.4	17.6	22.8	30.8	41.8	57.2	104.6	181.2	292.4
42.5°	0.0	8.2	13.8	18.2	23.7	32.8	45.9	68.6	123.1	226.6	353.6
40°	0.0	8.5	14.1	18.9	24.8	34.6	49.7	84.0	147.5	269.9	414.0
37.5°	0.0	8.8	14.4	19.5	26.3	36.4	53.4	98.7	184.1	314.1	471.5
35°	0.0	9.1	14.7	20.1	27.6	38.9	56.9	112.6	218.8	363.0	527.2
32.5°	0.0	9.4	14.9	20.6	28.9	41.6	62.5	125.7	251.4	409.0	581.6
30°	0.0	9.6	15.2	21.1	30.0	44.1	72.9	141.4	282.0	452.2	632.5
27.5°	0.0	9.8	15.4	21.6	31.1	46.5	82.6	166.0	313.0	492.3	679.9
25°	0.0	10.1	15.6	22.0	32.1	48.7	91.6	188.8	345.6	530.6	724.1
22.5°	0.0	10.3	15.8	22.4	33.0	50.6	99.7	209.5	375.4	566.3	773.6
20°	0.0	10.4	16.0	22.8	33.9	52.4	107.1	228.2	402.3	598.4	818.3
17.5°	0.0	10.6	16.2	23.1	34.6	54.0	113.6	244.8	426.1	627.0	858.0
15°	0.0	10.7	16.3	23.3	35.2	55.4	119.2	259.3	446.9	651.9	892.8
12.5°	0.0	10.8	16.4	23.6	35.8	56.5	124.1	271.6	464.6	673.2	922.3
10°	0.0	10.9	16.5	23.8	36.2	57.5	128.0	281.7	479.2	690.6	946.6
7.5°	0.0	11.0	16.6	23.9	36.6	58.2	131.1	289.6	490.6	704.2	965.6
5°	0.0	11.1	16.7	24.0	36.8	58.8	133.3	295.3	498.7	714.0	979.2
2.5°	0.0	11.1	16.7	24.1	37.0	59.1	134.7	298.7	503.6	719.8	987.4
0°	0.0	11.1	16.7	24.1	37.0	59.1	134.7	298.7	503.6	719.8	987.4
-2.5°	0.0	11.1	16.7	24.1	37.0	59.1	134.7	298.7	503.6	719.8	987.4
-5°	0.0	11.1	16.7	24.0	36.8	58.8	133.3	295.3	498.7	714.0	979.2
-7.5°	0.0	11.0	16.6	23.9	36.6	58.2	131.1	289.6	490.6	704.2	965.6
-10°	0.0	10.9	16.5	23.8	36.2	57.5	128.0	281.7	479.2	690.6	946.6
-12.5°	0.0	10.8	16.4	23.6	35.8	56.5	124.1	271.6	464.6	673.2	922.3
-15°	0.0	10.7	16.3	23.3	35.2	55.4	119.2	259.3	446.9	651.9	892.8
-17.5°	0.0	10.6	16.2	23.1	34.6	54.0	113.6	244.8	426.1	627.0	858.0
-20°	0.0	10.4	16.0	22.8	33.9	52.4	107.1	228.2	402.3	598.4	818.3



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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	10.3	15.8	22.4	33.0	50.6	99.7	209.5	375.4	566.3	773.6
-25°	0.0	10.1	15.6	22.0	32.1	48.7	91.6	188.8	345.6	530.6	724.1
-27.5°	0.0	9.8	15.4	21.6	31.1	46.5	82.6	166.0	313.0	492.3	679.9
-30°	0.0	9.6	15.2	21.1	30.0	44.1	72.9	141.4	282.0	452.2	632.5
-32.5°	0.0	9.4	14.9	20.6	28.9	41.6	62.5	125.7	251.4	409.0	581.6
-35°	0.0	9.1	14.7	20.1	27.6	38.9	56.9	112.6	218.8	363.0	527.2
-37.5°	0.0	8.8	14.4	19.5	26.3	36.4	53.4	98.7	184.1	314.1	471.5
-40°	0.0	8.5	14.1	18.9	24.8	34.6	49.7	84.0	147.5	269.9	414.0
-42.5°	0.0	8.2	13.8	18.2	23.7	32.8	45.9	68.6	123.1	226.6	353.6
-45°	0.0	7.8	13.4	17.6	22.8	30.8	41.8	57.2	104.6	181.2	292.4
-47.5°	0.0	7.5	13.1	16.9	21.8	28.8	37.6	52.3	85.3	134.6	239.8
-50°	0.0	7.1	12.7	16.3	20.9	26.7	34.8	47.2	65.3	112.0	185.3
-52.5°	0.0	6.8	12.3	15.7	19.9	24.5	32.2	41.9	54.9	88.7	132.3
-55°	0.0	6.4	11.9	15.1	18.8	23.0	29.5	36.6	48.7	64.7	105.6
-57.5°	0.0	6.0	11.5	14.5	17.7	21.7	26.6	33.4	42.2	53.6	78.2
-60°	0.0	5.5	11.1	13.9	16.7	20.3	23.9	30.0	36.2	46.2	56.5
-62.5°	0.0	5.1	10.2	13.2	15.8	18.9	22.2	26.6	32.3	38.6	48.1
-65°	0.0	4.7	9.4	12.6	14.9	17.4	20.5	23.5	28.3	33.4	39.6
-67.5°	0.0	4.2	8.5	11.9	14.0	16.1	18.7	21.5	24.2	28.9	33.4
-70°	0.0	3.8	7.6	11.2	13.1	15.0	16.9	19.4	21.8	24.2	28.3
-72.5°	0.0	3.3	6.7	10.0	12.2	13.9	15.5	17.3	19.4	21.5	23.5
-75°	0.0	2.9	5.7	8.6	11.3	12.7	14.1	15.5	16.9	18.7	20.5
-77.5°	0.0	2.4	4.8	7.2	9.6	11.5	12.7	13.9	15.0	16.1	17.4
-80°	0.0	1.9	3.9	5.8	7.7	9.6	11.3	12.2	13.1	14.0	14.9
-82.5°	0.0	1.4	2.9	4.3	5.8	7.2	8.6	10.0	11.2	11.9	12.6
-85°	0.0	1.0	1.9	2.9	3.9	4.8	5.7	6.7	7.6	8.5	9.4
-87.5°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.3	3.8	4.2	4.7
-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):**

	-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°	5.1	5.5	6.0	6.4	6.8	7.1	7.5	7.8	8.2	8.5	8.8
85°	10.2	11.1	11.5	11.9	12.3	12.7	13.1	13.4	13.8	14.1	14.4
82.5°	13.2	13.9	14.5	15.1	15.7	16.3	16.9	17.6	18.2	18.9	19.5
80°	15.8	16.7	17.7	18.8	19.9	20.9	21.8	22.8	23.7	24.8	26.3
77.5°	18.9	20.3	21.7	23.0	24.5	26.7	28.8	30.8	32.8	34.6	36.4
75°	22.2	23.9	26.6	29.5	32.2	34.8	37.6	41.8	45.9	49.7	53.4
72.5°	26.6	30.0	33.4	36.6	41.9	47.2	52.3	57.2	68.6	84.0	98.7
70°	32.3	36.2	42.2	48.7	54.9	65.3	85.3	104.6	123.1	147.5	184.1
67.5°	38.6	46.2	53.6	64.7	88.7	112.0	134.6	181.2	226.6	269.9	314.1
65°	48.1	56.5	78.2	105.6	132.3	185.3	239.8	292.4	353.6	414.0	471.5
62.5°	57.5	85.0	115.8	158.7	222.4	284.4	355.4	427.7	497.3	567.1	634.2
60°	85.0	119.2	173.6	244.8	317.9	402.3	484.1	566.3	646.6	724.1	815.2
57.5°	115.8	173.6	252.3	336.7	430.6	522.9	616.5	707.0	811.6	915.5	1015.9
55°	158.7	244.8	336.7	440.1	543.0	646.8	753.9	875.0	992.0	1109.1	1221.3
52.5°	222.4	317.9	430.6	543.0	657.0	779.3	913.3	1045.6	1176.6	1301.5	1417.6
50°	284.4	402.3	522.9	646.8	779.3	926.2	1072.6	1217.5	1354.2	1484.1	1614.2
47.5°	355.4	484.1	616.5	753.9	913.3	1072.6	1231.2	1380.8	1524.4	1672.6	1816.3
45°	427.7	566.3	707.0	875.0	1045.6	1217.5	1380.8	1537.9	1702.1	1850.6	1957.7
42.5°	497.3	646.6	811.6	992.0	1176.6	1354.2	1524.4	1702.1	1861.1	1979.0	2047.3
40°	567.1	724.1	915.5	1109.1	1301.5	1484.1	1672.6	1850.6	1979.0	2050.5	2085.9
37.5°	634.2	815.2	1015.9	1221.3	1417.6	1614.2	1816.3	1957.7	2047.3	2085.9	2220.3
35°	698.0	901.9	1114.4	1325.9	1528.4	1742.5	1915.5	2037.8	2079.4	2208.0	2698.7
32.5°	766.8	983.8	1207.7	1423.1	1640.9	1853.1	2007.0	2066.5	2171.2	2488.7	3775.2
30°	836.7	1063.8	1294.3	1514.7	1747.7	1933.6	2047.5	2110.6	2279.6	3454.0	4679.6
27.5°	901.9	1138.5	1372.9	1605.1	1841.3	2009.1	2071.4	2206.0	2926.0	4325.0	5471.7
25°	962.1	1207.7	1445.7	1690.5	1906.1	2043.3	2110.1	2295.1	3723.9	5020.4	5808.4
22.5°	1018.3	1270.9	1512.4	1768.8	1965.7	2062.3	2186.3	2887.6	4402.7	5644.4	6014.8
20°	1070.1	1325.9	1575.4	1835.9	2019.8	2079.5	2255.7	3513.0	4951.2	5820.5	6184.2
17.5°	1116.2	1374.8	1633.3	1880.2	2040.0	2114.9	2392.1	4074.7	5444.8	5979.4	6327.9
15°	1156.5	1417.6	1683.9	1919.0	2052.5	2165.2	2848.0	4489.5	5708.3	6113.3	6454.6
12.5°	1190.8	1454.1	1727.2	1952.1	2063.1	2208.2	3238.6	4834.3	5819.8	6214.7	6544.4
10°	1219.0	1484.1	1762.8	1979.4	2071.9	2243.8	3561.6	5119.9	5912.3	6298.9	6619.1
7.5°	1241.1	1507.6	1790.6	2000.8	2078.7	2271.7	3815.0	5344.2	5985.0	6365.2	6678.1
5°	1256.9	1524.4	1810.6	2016.1	2083.6	2291.7	3997.2	5505.6	6037.4	6413.0	6720.7
2.5°	1266.4	1534.5	1822.6	2025.3	2086.6	2303.8	4107.0	5602.9	6069.0	6441.9	6746.5
0°	1269.6	1537.9	1826.6	2028.4	2087.6	2307.8	4143.7	5635.4	6079.6	6451.6	6755.1
-2.5°	1266.4	1534.5	1822.6	2025.3	2086.6	2303.8	4107.0	5602.9	6069.0	6441.9	6746.5
-5°	1256.9	1524.4	1810.6	2016.1	2083.6	2291.7	3997.2	5505.6	6037.4	6413.0	6720.7
-7.5°	1241.1	1507.6	1790.6	2000.8	2078.7	2271.7	3815.0	5344.2	5985.0	6365.2	6678.1
-10°	1219.0	1484.1	1762.8	1979.4	2071.9	2243.8	3561.6	5119.9	5912.3	6298.9	6619.1
-12.5°	1190.8	1454.1	1727.2	1952.1	2063.1	2208.2	3238.6	4834.3	5819.8	6214.7	6544.4
-15°	1156.5	1417.6	1683.9	1919.0	2052.5	2165.2	2848.0	4489.5	5708.3	6113.3	6454.6
-17.5°	1116.2	1374.8	1633.3	1880.2	2040.0	2114.9	2392.1	4074.7	5444.8	5979.4	6327.9
-20°	1070.1	1325.9	1575.4	1835.9	2019.8	2079.5	2255.7	3513.0	4951.2	5820.5	6184.2



REPORT NUMBER: P731271 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-2S-HEG

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1018.3	1270.9	1512.4	1768.8	1965.7	2062.3	2186.3	2887.6	4402.7	5644.4	6014.8
-25°	962.1	1207.7	1445.7	1690.5	1906.1	2043.3	2110.1	2295.1	3723.9	5020.4	5808.4
-27.5°	901.9	1138.5	1372.9	1605.1	1841.3	2009.1	2071.4	2206.0	2926.0	4325.0	5471.7
-30°	836.7	1063.8	1294.3	1514.7	1747.7	1933.6	2047.5	2110.6	2279.6	3454.0	4679.6
-32.5°	766.8	983.8	1207.7	1423.1	1640.9	1853.1	2007.0	2066.5	2171.2	2488.7	3775.2
-35°	698.0	901.9	1114.4	1325.9	1528.4	1742.5	1915.5	2037.8	2079.4	2208.0	2698.7
-37.5°	634.2	815.2	1015.9	1221.3	1417.6	1614.2	1816.3	1957.7	2047.3	2085.9	2220.3
-40°	567.1	724.1	915.5	1109.1	1301.5	1484.1	1672.6	1850.6	1979.0	2050.5	2085.9
-42.5°	497.3	646.6	811.6	992.0	1176.6	1354.2	1524.4	1702.1	1861.1	1979.0	2047.3
-45°	427.7	566.3	707.0	875.0	1045.6	1217.5	1380.8	1537.9	1702.1	1850.6	1957.7
-47.5°	355.4	484.1	616.5	753.9	913.3	1072.6	1231.2	1380.8	1524.4	1672.6	1816.3
-50°	284.4	402.3	522.9	646.8	779.3	926.2	1072.6	1217.5	1354.2	1484.1	1614.2
-52.5°	222.4	317.9	430.6	543.0	657.0	779.3	913.3	1045.6	1176.6	1301.5	1417.6
-55°	158.7	244.8	336.7	440.1	543.0	646.8	753.9	875.0	992.0	1109.1	1221.3
-57.5°	115.8	173.6	252.3	336.7	430.6	522.9	616.5	707.0	811.6	915.5	1015.9
-60°	85.0	119.2	173.6	244.8	317.9	402.3	484.1	566.3	646.6	724.1	815.2
-62.5°	57.5	85.0	115.8	158.7	222.4	284.4	355.4	427.7	497.3	567.1	634.2
-65°	48.1	56.5	78.2	105.6	132.3	185.3	239.8	292.4	353.6	414.0	471.5
-67.5°	38.6	46.2	53.6	64.7	88.7	112.0	134.6	181.2	226.6	269.9	314.1
-70°	32.3	36.2	42.2	48.7	54.9	65.3	85.3	104.6	123.1	147.5	184.1
-72.5°	26.6	30.0	33.4	36.6	41.9	47.2	52.3	57.2	68.6	84.0	98.7
-75°	22.2	23.9	26.6	29.5	32.2	34.8	37.6	41.8	45.9	49.7	53.4
-77.5°	18.9	20.3	21.7	23.0	24.5	26.7	28.8	30.8	32.8	34.6	36.4
-80°	15.8	16.7	17.7	18.8	19.9	20.9	21.8	22.8	23.7	24.8	26.3
-82.5°	13.2	13.9	14.5	15.1	15.7	16.3	16.9	17.6	18.2	18.9	19.5
-85°	10.2	11.1	11.5	11.9	12.3	12.7	13.1	13.4	13.8	14.1	14.4
-87.5°	5.1	5.5	6.0	6.4	6.8	7.1	7.5	7.8	8.2	8.5	8.8
-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°	9.1	9.4	9.6	9.8	10.1	10.3	10.4	10.6	10.7	10.8	10.9
85°	14.7	14.9	15.2	15.4	15.6	15.8	16.0	16.2	16.3	16.4	16.5
82.5°	20.1	20.6	21.1	21.6	22.0	22.4	22.8	23.1	23.3	23.6	23.8
80°	27.6	28.9	30.0	31.1	32.1	33.0	33.9	34.6	35.2	35.8	36.2
77.5°	38.9	41.6	44.1	46.5	48.7	50.6	52.4	54.0	55.4	56.5	57.5
75°	56.9	62.5	72.9	82.6	91.6	99.7	107.1	113.6	119.2	124.1	128.0
72.5°	112.6	125.7	141.4	166.0	188.8	209.5	228.2	244.8	259.3	271.6	281.7
70°	218.8	251.4	282.0	313.0	345.6	375.4	402.3	426.1	446.9	464.6	479.2
67.5°	363.0	409.0	452.2	492.3	530.6	566.3	598.4	627.0	651.9	673.2	690.6
65°	527.2	581.6	632.5	679.9	724.1	773.6	818.3	858.0	892.8	922.3	946.6
62.5°	698.0	766.8	836.7	901.9	962.1	1018.3	1070.1	1116.2	1156.5	1190.8	1219.0
60°	901.9	983.8	1063.8	1138.5	1207.7	1270.9	1325.9	1374.8	1417.6	1454.1	1484.1
57.5°	1114.4	1207.7	1294.3	1372.9	1445.7	1512.4	1575.4	1633.3	1683.9	1727.2	1762.8
55°	1325.9	1423.1	1514.7	1605.1	1690.5	1768.8	1835.9	1880.2	1919.0	1952.1	1979.4
52.5°	1528.4	1640.9	1747.7	1841.3	1906.1	1965.7	2019.8	2040.0	2052.5	2063.1	2071.9
50°	1742.5	1853.1	1933.6	2009.1	2043.3	2062.3	2079.5	2114.9	2165.2	2208.2	2243.8
47.5°	1915.5	2007.0	2047.5	2071.4	2110.1	2186.3	2255.7	2392.1	2848.0	3238.6	3561.6
45°	2037.8	2066.5	2110.6	2206.0	2295.1	2887.6	3513.0	4074.7	4489.5	4834.3	5119.9
42.5°	2079.4	2171.2	2279.6	2926.0	3723.9	4402.7	4951.2	5444.8	5708.3	5819.8	5912.3
40°	2208.0	2488.7	3454.0	4325.0	5020.4	5644.4	5820.5	5979.4	6113.3	6214.7	6298.9
37.5°	2698.7	3775.2	4679.6	5471.7	5808.4	6014.8	6184.2	6327.9	6454.6	6544.4	6619.1
35°	3883.1	4858.9	5668.6	5920.0	6144.6	6330.0	6491.8	6618.4	6731.0	6769.9	6786.3
32.5°	4858.9	5696.1	5976.5	6217.4	6429.5	6595.7	6745.7	6780.7	6805.3	6814.9	6812.8
30°	5668.6	5976.5	6241.8	6474.7	6659.2	6770.7	6803.2	6814.2	6810.9	6799.0	6764.0
27.5°	5920.0	6217.4	6474.7	6680.6	6779.7	6816.1	6811.9	6796.8	6745.1	6699.8	6851.3
25°	6144.6	6429.5	6659.2	6779.7	6815.5	6810.7	6769.9	6707.9	6890.2	7087.5	8487.8
22.5°	6330.0	6595.7	6770.7	6816.1	6810.7	6760.7	6742.4	7008.9	8453.2	10877.4	15210.8
20°	6491.8	6745.7	6803.2	6811.9	6769.9	6742.4	7049.1	9402.4	13238.7	22277.3	31042.9
17.5°	6618.4	6780.7	6814.2	6796.8	6707.9	7008.9	9402.4	14966.4	25940.9	40482.3	54618.4
15°	6731.0	6805.3	6810.9	6745.1	6890.2	8453.2	13238.7	25940.9	43719.9	65840.5	92769.9
12.5°	6769.9	6814.9	6799.0	6699.8	7087.5	10877.4	22277.3	40482.3	65840.5	99310.5	140295.6
10°	6786.3	6812.8	6764.0	6851.3	8487.8	15210.8	31042.9	54618.4	92769.9	140295.6	191602.4
7.5°	6799.2	6811.1	6736.2	6973.2	9998.2	20908.4	41402.4	73907.5	120708.0	178264.2	246366.4
5°	6808.6	6809.8	6716.0	7062.1	11105.3	25108.8	49099.0	88831.5	144463.5	213205.9	292626.2
2.5°	6814.3	6809.1	6703.7	7116.3	11781.7	27685.7	53848.2	98116.1	159420.6	237075.2	322789.2
0°	6816.2	6808.8	6699.6	7134.5	12009.2	28554.6	55454.6	101270.8	164537.3	245566.9	333366.3
-2.5°	6814.3	6809.1	6703.7	7116.3	11781.7	27685.7	53848.2	98116.1	159420.6	237075.2	322789.2
-5°	6808.6	6809.8	6716.0	7062.1	11105.3	25108.8	49099.0	88831.5	144463.5	213205.9	292626.2
-7.5°	6799.2	6811.1	6736.2	6973.2	9998.2	20908.4	41402.4	73907.5	120708.0	178264.2	246366.4
-10°	6786.3	6812.8	6764.0	6851.3	8487.8	15210.8	31042.9	54618.4	92769.9	140295.6	191602.4
-12.5°	6769.9	6814.9	6799.0	6699.8	7087.5	10877.4	22277.3	40482.3	65840.5	99310.5	140295.6
-15°	6731.0	6805.3	6810.9	6745.1	6890.2	8453.2	13238.7	25940.9	43719.9	65840.5	92769.9
-17.5°	6618.4	6780.7	6814.2	6796.8	6707.9	7008.9	9402.4	14966.4	25940.9	40482.3	54618.4
-20°	6491.8	6745.7	6803.2	6811.9	6769.9	6742.4	7049.1	9402.4	13238.7	22277.3	31042.9



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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°	6330.0	6595.7	6770.7	6816.1	6810.7	6760.7	6742.4	7008.9	8453.2	10877.4	15210.8
-25°	6144.6	6429.5	6659.2	6779.7	6815.5	6810.7	6769.9	6707.9	6890.2	7087.5	8487.8
-27.5°	5920.0	6217.4	6474.7	6680.6	6779.7	6816.1	6811.9	6796.8	6745.1	6699.8	6851.3
-30°	5668.6	5976.5	6241.8	6474.7	6659.2	6770.7	6803.2	6814.2	6810.9	6799.0	6764.0
-32.5°	4858.9	5696.1	5976.5	6217.4	6429.5	6595.7	6745.7	6780.7	6805.3	6814.9	6812.8
-35°	3883.1	4858.9	5668.6	5920.0	6144.6	6330.0	6491.8	6618.4	6731.0	6769.9	6786.3
-37.5°	2698.7	3775.2	4679.6	5471.7	5808.4	6014.8	6184.2	6327.9	6454.6	6544.4	6619.1
-40°	2208.0	2488.7	3454.0	4325.0	5020.4	5644.4	5820.5	5979.4	6113.3	6214.7	6298.9
-42.5°	2079.4	2171.2	2279.6	2926.0	3723.9	4402.7	4951.2	5444.8	5708.3	5819.8	5912.3
-45°	2037.8	2066.5	2110.6	2206.0	2295.1	2887.6	3513.0	4074.7	4489.5	4834.3	5119.9
-47.5°	1915.5	2007.0	2047.5	2071.4	2110.1	2186.3	2255.7	2392.1	2848.0	3238.6	3561.6
-50°	1742.5	1853.1	1933.6	2009.1	2043.3	2062.3	2079.5	2114.9	2165.2	2208.2	2243.8
-52.5°	1528.4	1640.9	1747.7	1841.3	1906.1	1965.7	2019.8	2040.0	2052.5	2063.1	2071.9
-55°	1325.9	1423.1	1514.7	1605.1	1690.5	1768.8	1835.9	1880.2	1919.0	1952.1	1979.4
-57.5°	1114.4	1207.7	1294.3	1372.9	1445.7	1512.4	1575.4	1633.3	1683.9	1727.2	1762.8
-60°	901.9	983.8	1063.8	1138.5	1207.7	1270.9	1325.9	1374.8	1417.6	1454.1	1484.1
-62.5°	698.0	766.8	836.7	901.9	962.1	1018.3	1070.1	1116.2	1156.5	1190.8	1219.0
-65°	527.2	581.6	632.5	679.9	724.1	773.6	818.3	858.0	892.8	922.3	946.6
-67.5°	363.0	409.0	452.2	492.3	530.6	566.3	598.4	627.0	651.9	673.2	690.6
-70°	218.8	251.4	282.0	313.0	345.6	375.4	402.3	426.1	446.9	464.6	479.2
-72.5°	112.6	125.7	141.4	166.0	188.8	209.5	228.2	244.8	259.3	271.6	281.7
-75°	56.9	62.5	72.9	82.6	91.6	99.7	107.1	113.6	119.2	124.1	128.0
-77.5°	38.9	41.6	44.1	46.5	48.7	50.6	52.4	54.0	55.4	56.5	57.5
-80°	27.6	28.9	30.0	31.1	32.1	33.0	33.9	34.6	35.2	35.8	36.2
-82.5°	20.1	20.6	21.1	21.6	22.0	22.4	22.8	23.1	23.3	23.6	23.8
-85°	14.7	14.9	15.2	15.4	15.6	15.8	16.0	16.2	16.3	16.4	16.5
-87.5°	9.1	9.4	9.6	9.8	10.1	10.3	10.4	10.6	10.7	10.8	10.9
-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: P731271 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-2S-HEG

**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°	11.0	11.1	11.1	11.1	11.1	11.1	11.0	10.9	10.8	10.7	10.6
85°	16.6	16.7	16.7	16.7	16.7	16.7	16.6	16.5	16.4	16.3	16.2
82.5°	23.9	24.0	24.1	24.1	24.1	24.0	23.9	23.8	23.6	23.3	23.1
80°	36.6	36.8	37.0	37.0	37.0	36.8	36.6	36.2	35.8	35.2	34.6
77.5°	58.2	58.8	59.1	59.2	59.1	58.8	58.2	57.5	56.5	55.4	54.0
75°	131.1	133.3	134.7	135.1	134.7	133.3	131.1	128.0	124.1	119.2	113.6
72.5°	289.6	295.3	298.7	299.8	298.7	295.3	289.6	281.7	271.6	259.3	244.8
70°	490.6	498.7	503.6	505.2	503.6	498.7	490.6	479.2	464.6	446.9	426.1
67.5°	704.2	714.0	719.8	721.8	719.8	714.0	704.2	690.6	673.2	651.9	627.0
65°	965.6	979.2	987.4	990.1	987.4	979.2	965.6	946.6	922.3	892.8	858.0
62.5°	1241.1	1256.9	1266.4	1269.6	1266.4	1256.9	1241.1	1219.0	1190.8	1156.5	1116.2
60°	1507.6	1524.4	1534.5	1537.9	1534.5	1524.4	1507.6	1484.1	1454.1	1417.6	1374.8
57.5°	1790.6	1810.6	1822.6	1826.6	1822.6	1810.6	1790.6	1762.8	1727.2	1683.9	1633.3
55°	2000.8	2016.1	2025.3	2028.4	2025.3	2016.1	2000.8	1979.4	1952.1	1919.0	1880.2
52.5°	2078.7	2083.6	2086.6	2087.6	2086.6	2083.6	2078.7	2071.9	2063.1	2052.5	2040.0
50°	2271.7	2291.7	2303.8	2307.8	2303.8	2291.7	2271.7	2243.8	2208.2	2165.2	2114.9
47.5°	3815.0	3997.2	4107.0	4143.7	4107.0	3997.2	3815.0	3561.6	3238.6	2848.0	2392.1
45°	5344.2	5505.6	5602.9	5635.4	5602.9	5505.6	5344.2	5119.9	4834.3	4489.5	4074.7
42.5°	5985.0	6037.4	6069.0	6079.6	6069.0	6037.4	5985.0	5912.3	5819.8	5708.3	5444.8
40°	6365.2	6413.0	6441.9	6451.6	6441.9	6413.0	6365.2	6298.9	6214.7	6113.3	5979.4
37.5°	6678.1	6720.7	6746.5	6755.1	6746.5	6720.7	6678.1	6619.1	6544.4	6454.6	6327.9
35°	6799.2	6808.6	6814.3	6816.2	6814.3	6808.6	6799.2	6786.3	6769.9	6731.0	6618.4
32.5°	6811.1	6809.8	6809.1	6808.8	6809.1	6809.8	6811.1	6812.8	6814.9	6805.3	6780.7
30°	6736.2	6716.0	6703.7	6699.6	6703.7	6716.0	6736.2	6764.0	6799.0	6810.9	6814.2
27.5°	6973.2	7062.1	7116.3	7134.5	7116.3	7062.1	6973.2	6851.3	6699.8	6745.1	6796.8
25°	9998.2	11105.3	11781.7	12009.2	11781.7	11105.3	9998.2	8487.8	7087.5	6890.2	6707.9
22.5°	20908.4	25108.8	27685.7	28554.6	27685.7	25108.8	20908.4	15210.8	10877.4	8453.2	7008.9
20°	41402.4	49099.0	53848.2	55454.6	53848.2	49099.0	41402.4	31042.9	22277.3	13238.7	9402.4
17.5°	73907.5	88831.5	98116.1	101270.8	98116.1	88831.5	73907.5	54618.4	40482.3	25940.9	14966.4
15°	120708.0	144463.5	159420.6	164537.3	159420.6	144463.5	120708.0	92769.9	65840.5	43719.9	25940.9
12.5°	178264.2	213205.9	237075.2	245566.9	237075.2	213205.9	178264.2	140295.6	99310.5	65840.5	40482.3
10°	246366.4	292626.2	322789.2	333366.3	322789.2	292626.2	246366.4	191602.4	140295.6	92769.9	54618.4
7.5°	312835.1	367756.1	408266.9	422928.6	408266.9	367756.1	312835.1	246366.4	178264.2	120708.0	73907.5
5°	367756.1	438680.3	482167.7	495914.1	482167.7	438680.3	367756.1	292626.2	213205.9	144463.5	88831.5
2.5°	408266.9	482167.7	529176.8	553551.7	529176.8	482167.7	408266.9	322789.2	237075.2	159420.6	98116.1
0°	422928.6	495914.1	553551.7	594925.2	553551.7	495914.1	422928.6	333366.3	245566.9	164537.3	101270.8
-2.5°	408266.9	482167.7	529176.8	553551.7	529176.8	482167.7	408266.9	322789.2	237075.2	159420.6	98116.1
-5°	367756.1	438680.3	482167.7	495914.1	482167.7	438680.3	367756.1	292626.2	213205.9	144463.5	88831.5
-7.5°	312835.1	367756.1	408266.9	422928.6	408266.9	367756.1	312835.1	246366.4	178264.2	120708.0	73907.5
-10°	246366.4	292626.2	322789.2	333366.3	322789.2	292626.2	246366.4	191602.4	140295.6	92769.9	54618.4
-12.5°	178264.2	213205.9	237075.2	245566.9	237075.2	213205.9	178264.2	140295.6	99310.5	65840.5	40482.3
-15°	120708.0	144463.5	159420.6	164537.3	159420.6	144463.5	120708.0	92769.9	65840.5	43719.9	25940.9
-17.5°	73907.5	88831.5	98116.1	101270.8	98116.1	88831.5	73907.5	54618.4	40482.3	25940.9	14966.4
-20°	41402.4	49099.0	53848.2	55454.6	53848.2	49099.0	41402.4	31042.9	22277.3	13238.7	9402.4



REPORT NUMBER: P731271 (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°	20908.4	25108.8	27685.7	28554.6	27685.7	25108.8	20908.4	15210.8	10877.4	8453.2	7008.9
-25°	9998.2	11105.3	11781.7	12009.2	11781.7	11105.3	9998.2	8487.8	7087.5	6890.2	6707.9
-27.5°	6973.2	7062.1	7116.3	7134.5	7116.3	7062.1	6973.2	6851.3	6699.8	6745.1	6796.8
-30°	6736.2	6716.0	6703.7	6699.6	6703.7	6716.0	6736.2	6764.0	6799.0	6810.9	6814.2
-32.5°	6811.1	6809.8	6809.1	6808.8	6809.1	6809.8	6811.1	6812.8	6814.9	6805.3	6780.7
-35°	6799.2	6808.6	6814.3	6816.2	6814.3	6808.6	6799.2	6786.3	6769.9	6731.0	6618.4
-37.5°	6678.1	6720.7	6746.5	6755.1	6746.5	6720.7	6678.1	6619.1	6544.4	6454.6	6327.9
-40°	6365.2	6413.0	6441.9	6451.6	6441.9	6413.0	6365.2	6298.9	6214.7	6113.3	5979.4
-42.5°	5985.0	6037.4	6069.0	6079.6	6069.0	6037.4	5985.0	5912.3	5819.8	5708.3	5444.8
-45°	5344.2	5505.6	5602.9	5635.4	5602.9	5505.6	5344.2	5119.9	4834.3	4489.5	4074.7
-47.5°	3815.0	3997.2	4107.0	4143.7	4107.0	3997.2	3815.0	3561.6	3238.6	2848.0	2392.1
-50°	2271.7	2291.7	2303.8	2307.8	2303.8	2291.7	2271.7	2243.8	2208.2	2165.2	2114.9
-52.5°	2078.7	2083.6	2086.6	2087.6	2086.6	2083.6	2078.7	2071.9	2063.1	2052.5	2040.0
-55°	2000.8	2016.1	2025.3	2028.4	2025.3	2016.1	2000.8	1979.4	1952.1	1919.0	1880.2
-57.5°	1790.6	1810.6	1822.6	1826.6	1822.6	1810.6	1790.6	1762.8	1727.2	1683.9	1633.3
-60°	1507.6	1524.4	1534.5	1537.9	1534.5	1524.4	1507.6	1484.1	1454.1	1417.6	1374.8
-62.5°	1241.1	1256.9	1266.4	1269.6	1266.4	1256.9	1241.1	1219.0	1190.8	1156.5	1116.2
-65°	965.6	979.2	987.4	990.1	987.4	979.2	965.6	946.6	922.3	892.8	858.0
-67.5°	704.2	714.0	719.8	721.8	719.8	714.0	704.2	690.6	673.2	651.9	627.0
-70°	490.6	498.7	503.6	505.2	503.6	498.7	490.6	479.2	464.6	446.9	426.1
-72.5°	289.6	295.3	298.7	299.8	298.7	295.3	289.6	281.7	271.6	259.3	244.8
-75°	131.1	133.3	134.7	135.1	134.7	133.3	131.1	128.0	124.1	119.2	113.6
-77.5°	58.2	58.8	59.1	59.2	59.1	58.8	58.2	57.5	56.5	55.4	54.0
-80°	36.6	36.8	37.0	37.0	37.0	36.8	36.6	36.2	35.8	35.2	34.6
-82.5°	23.9	24.0	24.1	24.1	24.1	24.0	23.9	23.8	23.6	23.3	23.1
-85°	16.6	16.7	16.7	16.7	16.7	16.7	16.6	16.5	16.4	16.3	16.2
-87.5°	11.0	11.1	11.1	11.1	11.1	11.1	11.0	10.9	10.8	10.7	10.6
-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):**

	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°	10.4	10.3	10.1	9.8	9.6	9.4	9.1	8.8	8.5	8.2	7.8
85°	16.0	15.8	15.6	15.4	15.2	14.9	14.7	14.4	14.1	13.8	13.4
82.5°	22.8	22.4	22.0	21.6	21.1	20.6	20.1	19.5	18.9	18.2	17.6
80°	33.9	33.0	32.1	31.1	30.0	28.9	27.6	26.3	24.8	23.7	22.8
77.5°	52.4	50.6	48.7	46.5	44.1	41.6	38.9	36.4	34.6	32.8	30.8
75°	107.1	99.7	91.6	82.6	72.9	62.5	56.9	53.4	49.7	45.9	41.8
72.5°	228.2	209.5	188.8	166.0	141.4	125.7	112.6	98.7	84.0	68.6	57.2
70°	402.3	375.4	345.6	313.0	282.0	251.4	218.8	184.1	147.5	123.1	104.6
67.5°	598.4	566.3	530.6	492.3	452.2	409.0	363.0	314.1	269.9	226.6	181.2
65°	818.3	773.6	724.1	679.9	632.5	581.6	527.2	471.5	414.0	353.6	292.4
62.5°	1070.1	1018.3	962.1	901.9	836.7	766.8	698.0	634.2	567.1	497.3	427.7
60°	1325.9	1270.9	1207.7	1138.5	1063.8	983.8	901.9	815.2	724.1	646.6	566.3
57.5°	1575.4	1512.4	1445.7	1372.9	1294.3	1207.7	1114.4	1015.9	915.5	811.6	707.0
55°	1835.9	1768.8	1690.5	1605.1	1514.7	1423.1	1325.9	1221.3	1109.1	992.0	875.0
52.5°	2019.8	1965.7	1906.1	1841.3	1747.7	1640.9	1528.4	1417.6	1301.5	1176.6	1045.6
50°	2079.5	2062.3	2043.3	2009.1	1933.6	1853.1	1742.5	1614.2	1484.1	1354.2	1217.5
47.5°	2255.7	2186.3	2110.1	2071.4	2047.5	2007.0	1915.5	1816.3	1672.6	1524.4	1380.8
45°	3513.0	2887.6	2295.1	2206.0	2110.6	2066.5	2037.8	1957.7	1850.6	1702.1	1537.9
42.5°	4951.2	4402.7	3723.9	2926.0	2279.6	2171.2	2079.4	2047.3	1979.0	1861.1	1702.1
40°	5820.5	5644.4	5020.4	4325.0	3454.0	2488.7	2208.0	2085.9	2050.5	1979.0	1850.6
37.5°	6184.2	6014.8	5808.4	5471.7	4679.6	3775.2	2698.7	2220.3	2085.9	2047.3	1957.7
35°	6491.8	6330.0	6144.6	5920.0	5668.6	4858.9	3883.1	2698.7	2208.0	2079.4	2037.8
32.5°	6745.7	6595.7	6429.5	6217.4	5976.5	5696.1	4858.9	3775.2	2488.7	2171.2	2066.5
30°	6803.2	6770.7	6659.2	6474.7	6241.8	5976.5	5668.6	4679.6	3454.0	2279.6	2110.6
27.5°	6811.9	6816.1	6779.7	6680.6	6474.7	6217.4	5920.0	5471.7	4325.0	2926.0	2206.0
25°	6769.9	6810.7	6815.5	6779.7	6659.2	6429.5	6144.6	5808.4	5020.4	3723.9	2295.1
22.5°	6742.4	6760.7	6810.7	6816.1	6770.7	6595.7	6330.0	6014.8	5644.4	4402.7	2887.6
20°	7049.1	6742.4	6769.9	6811.9	6803.2	6745.7	6491.8	6184.2	5820.5	4951.2	3513.0
17.5°	9402.4	7008.9	6707.9	6796.8	6814.2	6780.7	6618.4	6327.9	5979.4	5444.8	4074.7
15°	13238.7	8453.2	6890.2	6745.1	6810.9	6805.3	6731.0	6454.6	6113.3	5708.3	4489.5
12.5°	22277.3	10877.4	7087.5	6699.8	6799.0	6814.9	6769.9	6544.4	6214.7	5819.8	4834.3
10°	31042.9	15210.8	8487.8	6851.3	6764.0	6812.8	6786.3	6619.1	6298.9	5912.3	5119.9
7.5°	41402.4	20908.4	9998.2	6973.2	6736.2	6811.1	6799.2	6678.1	6365.2	5985.0	5344.2
5°	49099.0	25108.8	11105.3	7062.1	6716.0	6809.8	6808.6	6720.7	6413.0	6037.4	5505.6
2.5°	53848.2	27685.7	11781.7	7116.3	6703.7	6809.1	6814.3	6746.5	6441.9	6069.0	5602.9
0°	55454.6	28554.6	12009.2	7134.5	6699.6	6808.8	6816.2	6755.1	6451.6	6079.6	5635.4
-2.5°	53848.2	27685.7	11781.7	7116.3	6703.7	6809.1	6814.3	6746.5	6441.9	6069.0	5602.9
-5°	49099.0	25108.8	11105.3	7062.1	6716.0	6809.8	6808.6	6720.7	6413.0	6037.4	5505.6
-7.5°	41402.4	20908.4	9998.2	6973.2	6736.2	6811.1	6799.2	6678.1	6365.2	5985.0	5344.2
-10°	31042.9	15210.8	8487.8	6851.3	6764.0	6812.8	6786.3	6619.1	6298.9	5912.3	5119.9
-12.5°	22277.3	10877.4	7087.5	6699.8	6799.0	6814.9	6769.9	6544.4	6214.7	5819.8	4834.3
-15°	13238.7	8453.2	6890.2	6745.1	6810.9	6805.3	6731.0	6454.6	6113.3	5708.3	4489.5
-17.5°	9402.4	7008.9	6707.9	6796.8	6814.2	6780.7	6618.4	6327.9	5979.4	5444.8	4074.7
-20°	7049.1	6742.4	6769.9	6811.9	6803.2	6745.7	6491.8	6184.2	5820.5	4951.2	3513.0



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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°	6742.4	6760.7	6810.7	6816.1	6770.7	6595.7	6330.0	6014.8	5644.4	4402.7	2887.6
-25°	6769.9	6810.7	6815.5	6779.7	6659.2	6429.5	6144.6	5808.4	5020.4	3723.9	2295.1
-27.5°	6811.9	6816.1	6779.7	6680.6	6474.7	6217.4	5920.0	5471.7	4325.0	2926.0	2206.0
-30°	6803.2	6770.7	6659.2	6474.7	6241.8	5976.5	5668.6	4679.6	3454.0	2279.6	2110.6
-32.5°	6745.7	6595.7	6429.5	6217.4	5976.5	5696.1	4858.9	3775.2	2488.7	2171.2	2066.5
-35°	6491.8	6330.0	6144.6	5920.0	5668.6	4858.9	3883.1	2698.7	2208.0	2079.4	2037.8
-37.5°	6184.2	6014.8	5808.4	5471.7	4679.6	3775.2	2698.7	2220.3	2085.9	2047.3	1957.7
-40°	5820.5	5644.4	5020.4	4325.0	3454.0	2488.7	2208.0	2085.9	2050.5	1979.0	1850.6
-42.5°	4951.2	4402.7	3723.9	2926.0	2279.6	2171.2	2079.4	2047.3	1979.0	1861.1	1702.1
-45°	3513.0	2887.6	2295.1	2206.0	2110.6	2066.5	2037.8	1957.7	1850.6	1702.1	1537.9
-47.5°	2255.7	2186.3	2110.1	2071.4	2047.5	2007.0	1915.5	1816.3	1672.6	1524.4	1380.8
-50°	2079.5	2062.3	2043.3	2009.1	1933.6	1853.1	1742.5	1614.2	1484.1	1354.2	1217.5
-52.5°	2019.8	1965.7	1906.1	1841.3	1747.7	1640.9	1528.4	1417.6	1301.5	1176.6	1045.6
-55°	1835.9	1768.8	1690.5	1605.1	1514.7	1423.1	1325.9	1221.3	1109.1	992.0	875.0
-57.5°	1575.4	1512.4	1445.7	1372.9	1294.3	1207.7	1114.4	1015.9	915.5	811.6	707.0
-60°	1325.9	1270.9	1207.7	1138.5	1063.8	983.8	901.9	815.2	724.1	646.6	566.3
-62.5°	1070.1	1018.3	962.1	901.9	836.7	766.8	698.0	634.2	567.1	497.3	427.7
-65°	818.3	773.6	724.1	679.9	632.5	581.6	527.2	471.5	414.0	353.6	292.4
-67.5°	598.4	566.3	530.6	492.3	452.2	409.0	363.0	314.1	269.9	226.6	181.2
-70°	402.3	375.4	345.6	313.0	282.0	251.4	218.8	184.1	147.5	123.1	104.6
-72.5°	228.2	209.5	188.8	166.0	141.4	125.7	112.6	98.7	84.0	68.6	57.2
-75°	107.1	99.7	91.6	82.6	72.9	62.5	56.9	53.4	49.7	45.9	41.8
-77.5°	52.4	50.6	48.7	46.5	44.1	41.6	38.9	36.4	34.6	32.8	30.8
-80°	33.9	33.0	32.1	31.1	30.0	28.9	27.6	26.3	24.8	23.7	22.8
-82.5°	22.8	22.4	22.0	21.6	21.1	20.6	20.1	19.5	18.9	18.2	17.6
-85°	16.0	15.8	15.6	15.4	15.2	14.9	14.7	14.4	14.1	13.8	13.4
-87.5°	10.4	10.3	10.1	9.8	9.6	9.4	9.1	8.8	8.5	8.2	7.8
-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: P731271 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-2S-HEG

**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°	7.5	7.1	6.8	6.4	6.0	5.5	5.1	4.7	4.2	3.8	3.3
85°	13.1	12.7	12.3	11.9	11.5	11.1	10.2	9.4	8.5	7.6	6.7
82.5°	16.9	16.3	15.7	15.1	14.5	13.9	13.2	12.6	11.9	11.2	10.0
80°	21.8	20.9	19.9	18.8	17.7	16.7	15.8	14.9	14.0	13.1	12.2
77.5°	28.8	26.7	24.5	23.0	21.7	20.3	18.9	17.4	16.1	15.0	13.9
75°	37.6	34.8	32.2	29.5	26.6	23.9	22.2	20.5	18.7	16.9	15.5
72.5°	52.3	47.2	41.9	36.6	33.4	30.0	26.6	23.5	21.5	19.4	17.3
70°	85.3	65.3	54.9	48.7	42.2	36.2	32.3	28.3	24.2	21.8	19.4
67.5°	134.6	112.0	88.7	64.7	53.6	46.2	38.6	33.4	28.9	24.2	21.5
65°	239.8	185.3	132.3	105.6	78.2	56.5	48.1	39.6	33.4	28.3	23.5
62.5°	355.4	284.4	222.4	158.7	115.8	85.0	57.5	48.1	38.6	32.3	26.6
60°	484.1	402.3	317.9	244.8	173.6	119.2	85.0	56.5	46.2	36.2	30.0
57.5°	616.5	522.9	430.6	336.7	252.3	173.6	115.8	78.2	53.6	42.2	33.4
55°	753.9	646.8	543.0	440.1	336.7	244.8	158.7	105.6	64.7	48.7	36.6
52.5°	913.3	779.3	657.0	543.0	430.6	317.9	222.4	132.3	88.7	54.9	41.9
50°	1072.6	926.2	779.3	646.8	522.9	402.3	284.4	185.3	112.0	65.3	47.2
47.5°	1231.2	1072.6	913.3	753.9	616.5	484.1	355.4	239.8	134.6	85.3	52.3
45°	1380.8	1217.5	1045.6	875.0	707.0	566.3	427.7	292.4	181.2	104.6	57.2
42.5°	1524.4	1354.2	1176.6	992.0	811.6	646.6	497.3	353.6	226.6	123.1	68.6
40°	1672.6	1484.1	1301.5	1109.1	915.5	724.1	567.1	414.0	269.9	147.5	84.0
37.5°	1816.3	1614.2	1417.6	1221.3	1015.9	815.2	634.2	471.5	314.1	184.1	98.7
35°	1915.5	1742.5	1528.4	1325.9	1114.4	901.9	698.0	527.2	363.0	218.8	112.6
32.5°	2007.0	1853.1	1640.9	1423.1	1207.7	983.8	766.8	581.6	409.0	251.4	125.7
30°	2047.5	1933.6	1747.7	1514.7	1294.3	1063.8	836.7	632.5	452.2	282.0	141.4
27.5°	2071.4	2009.1	1841.3	1605.1	1372.9	1138.5	901.9	679.9	492.3	313.0	166.0
25°	2110.1	2043.3	1906.1	1690.5	1445.7	1207.7	962.1	724.1	530.6	345.6	188.8
22.5°	2186.3	2062.3	1965.7	1768.8	1512.4	1270.9	1018.3	773.6	566.3	375.4	209.5
20°	2255.7	2079.5	2019.8	1835.9	1575.4	1325.9	1070.1	818.3	598.4	402.3	228.2
17.5°	2392.1	2114.9	2040.0	1880.2	1633.3	1374.8	1116.2	858.0	627.0	426.1	244.8
15°	2848.0	2165.2	2052.5	1919.0	1683.9	1417.6	1156.5	892.8	651.9	446.9	259.3
12.5°	3238.6	2208.2	2063.1	1952.1	1727.2	1454.1	1190.8	922.3	673.2	464.6	271.6
10°	3561.6	2243.8	2071.9	1979.4	1762.8	1484.1	1219.0	946.6	690.6	479.2	281.7
7.5°	3815.0	2271.7	2078.7	2000.8	1790.6	1507.6	1241.1	965.6	704.2	490.6	289.6
5°	3997.2	2291.7	2083.6	2016.1	1810.6	1524.4	1256.9	979.2	714.0	498.7	295.3
2.5°	4107.0	2303.8	2086.6	2025.3	1822.6	1534.5	1266.4	987.4	719.8	503.6	298.7
0°	4143.7	2307.8	2087.6	2028.4	1826.6	1537.9	1269.6	990.1	721.8	505.2	299.8
-2.5°	4107.0	2303.8	2086.6	2025.3	1822.6	1534.5	1266.4	987.4	719.8	503.6	298.7
-5°	3997.2	2291.7	2083.6	2016.1	1810.6	1524.4	1256.9	979.2	714.0	498.7	295.3
-7.5°	3815.0	2271.7	2078.7	2000.8	1790.6	1507.6	1241.1	965.6	704.2	490.6	289.6
-10°	3561.6	2243.8	2071.9	1979.4	1762.8	1484.1	1219.0	946.6	690.6	479.2	281.7
-12.5°	3238.6	2208.2	2063.1	1952.1	1727.2	1454.1	1190.8	922.3	673.2	464.6	271.6
-15°	2848.0	2165.2	2052.5	1919.0	1683.9	1417.6	1156.5	892.8	651.9	446.9	259.3
-17.5°	2392.1	2114.9	2040.0	1880.2	1633.3	1374.8	1116.2	858.0	627.0	426.1	244.8
-20°	2255.7	2079.5	2019.8	1835.9	1575.4	1325.9	1070.1	818.3	598.4	402.3	228.2



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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°	2186.3	2062.3	1965.7	1768.8	1512.4	1270.9	1018.3	773.6	566.3	375.4	209.5
-25°	2110.1	2043.3	1906.1	1690.5	1445.7	1207.7	962.1	724.1	530.6	345.6	188.8
-27.5°	2071.4	2009.1	1841.3	1605.1	1372.9	1138.5	901.9	679.9	492.3	313.0	166.0
-30°	2047.5	1933.6	1747.7	1514.7	1294.3	1063.8	836.7	632.5	452.2	282.0	141.4
-32.5°	2007.0	1853.1	1640.9	1423.1	1207.7	983.8	766.8	581.6	409.0	251.4	125.7
-35°	1915.5	1742.5	1528.4	1325.9	1114.4	901.9	698.0	527.2	363.0	218.8	112.6
-37.5°	1816.3	1614.2	1417.6	1221.3	1015.9	815.2	634.2	471.5	314.1	184.1	98.7
-40°	1672.6	1484.1	1301.5	1109.1	915.5	724.1	567.1	414.0	269.9	147.5	84.0
-42.5°	1524.4	1354.2	1176.6	992.0	811.6	646.6	497.3	353.6	226.6	123.1	68.6
-45°	1380.8	1217.5	1045.6	875.0	707.0	566.3	427.7	292.4	181.2	104.6	57.2
-47.5°	1231.2	1072.6	913.3	753.9	616.5	484.1	355.4	239.8	134.6	85.3	52.3
-50°	1072.6	926.2	779.3	646.8	522.9	402.3	284.4	185.3	112.0	65.3	47.2
-52.5°	913.3	779.3	657.0	543.0	430.6	317.9	222.4	132.3	88.7	54.9	41.9
-55°	753.9	646.8	543.0	440.1	336.7	244.8	158.7	105.6	64.7	48.7	36.6
-57.5°	616.5	522.9	430.6	336.7	252.3	173.6	115.8	78.2	53.6	42.2	33.4
-60°	484.1	402.3	317.9	244.8	173.6	119.2	85.0	56.5	46.2	36.2	30.0
-62.5°	355.4	284.4	222.4	158.7	115.8	85.0	57.5	48.1	38.6	32.3	26.6
-65°	239.8	185.3	132.3	105.6	78.2	56.5	48.1	39.6	33.4	28.3	23.5
-67.5°	134.6	112.0	88.7	64.7	53.6	46.2	38.6	33.4	28.9	24.2	21.5
-70°	85.3	65.3	54.9	48.7	42.2	36.2	32.3	28.3	24.2	21.8	19.4
-72.5°	52.3	47.2	41.9	36.6	33.4	30.0	26.6	23.5	21.5	19.4	17.3
-75°	37.6	34.8	32.2	29.5	26.6	23.9	22.2	20.5	18.7	16.9	15.5
-77.5°	28.8	26.7	24.5	23.0	21.7	20.3	18.9	17.4	16.1	15.0	13.9
-80°	21.8	20.9	19.9	18.8	17.7	16.7	15.8	14.9	14.0	13.1	12.2
-82.5°	16.9	16.3	15.7	15.1	14.5	13.9	13.2	12.6	11.9	11.2	10.0
-85°	13.1	12.7	12.3	11.9	11.5	11.1	10.2	9.4	8.5	7.6	6.7
-87.5°	7.5	7.1	6.8	6.4	6.0	5.5	5.1	4.7	4.2	3.8	3.3
-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):**

	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°	2.9	2.4	1.9	1.4	1.0	0.5	0.0
85°	5.7	4.8	3.9	2.9	1.9	1.0	0.0
82.5°	8.6	7.2	5.8	4.3	2.9	1.4	0.0
80°	11.3	9.6	7.7	5.8	3.9	1.9	0.0
77.5°	12.7	11.5	9.6	7.2	4.8	2.4	0.0
75°	14.1	12.7	11.3	8.6	5.7	2.9	0.0
72.5°	15.5	13.9	12.2	10.0	6.7	3.3	0.0
70°	16.9	15.0	13.1	11.2	7.6	3.8	0.0
67.5°	18.7	16.1	14.0	11.9	8.5	4.2	0.0
65°	20.5	17.4	14.9	12.6	9.4	4.7	0.0
62.5°	22.2	18.9	15.8	13.2	10.2	5.1	0.0
60°	23.9	20.3	16.7	13.9	11.1	5.5	0.0
57.5°	26.6	21.7	17.7	14.5	11.5	6.0	0.0
55°	29.5	23.0	18.8	15.1	11.9	6.4	0.0
52.5°	32.2	24.5	19.9	15.7	12.3	6.8	0.0
50°	34.8	26.7	20.9	16.3	12.7	7.1	0.0
47.5°	37.6	28.8	21.8	16.9	13.1	7.5	0.0
45°	41.8	30.8	22.8	17.6	13.4	7.8	0.0
42.5°	45.9	32.8	23.7	18.2	13.8	8.2	0.0
40°	49.7	34.6	24.8	18.9	14.1	8.5	0.0
37.5°	53.4	36.4	26.3	19.5	14.4	8.8	0.0
35°	56.9	38.9	27.6	20.1	14.7	9.1	0.0
32.5°	62.5	41.6	28.9	20.6	14.9	9.4	0.0
30°	72.9	44.1	30.0	21.1	15.2	9.6	0.0
27.5°	82.6	46.5	31.1	21.6	15.4	9.8	0.0
25°	91.6	48.7	32.1	22.0	15.6	10.1	0.0
22.5°	99.7	50.6	33.0	22.4	15.8	10.3	0.0
20°	107.1	52.4	33.9	22.8	16.0	10.4	0.0
17.5°	113.6	54.0	34.6	23.1	16.2	10.6	0.0
15°	119.2	55.4	35.2	23.3	16.3	10.7	0.0
12.5°	124.1	56.5	35.8	23.6	16.4	10.8	0.0
10°	128.0	57.5	36.2	23.8	16.5	10.9	0.0
7.5°	131.1	58.2	36.6	23.9	16.6	11.0	0.0
5°	133.3	58.8	36.8	24.0	16.7	11.1	0.0
2.5°	134.7	59.1	37.0	24.1	16.7	11.1	0.0
0°	135.1	59.2	37.0	24.1	16.7	11.1	0.0
-2.5°	134.7	59.1	37.0	24.1	16.7	11.1	0.0
-5°	133.3	58.8	36.8	24.0	16.7	11.1	0.0
-7.5°	131.1	58.2	36.6	23.9	16.6	11.0	0.0
-10°	128.0	57.5	36.2	23.8	16.5	10.9	0.0
-12.5°	124.1	56.5	35.8	23.6	16.4	10.8	0.0
-15°	119.2	55.4	35.2	23.3	16.3	10.7	0.0
-17.5°	113.6	54.0	34.6	23.1	16.2	10.6	0.0
-20°	107.1	52.4	33.9	22.8	16.0	10.4	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	99.7	50.6	33.0	22.4	15.8	10.3	0.0
-25°	91.6	48.7	32.1	22.0	15.6	10.1	0.0
-27.5°	82.6	46.5	31.1	21.6	15.4	9.8	0.0
-30°	72.9	44.1	30.0	21.1	15.2	9.6	0.0
-32.5°	62.5	41.6	28.9	20.6	14.9	9.4	0.0
-35°	56.9	38.9	27.6	20.1	14.7	9.1	0.0
-37.5°	53.4	36.4	26.3	19.5	14.4	8.8	0.0
-40°	49.7	34.6	24.8	18.9	14.1	8.5	0.0
-42.5°	45.9	32.8	23.7	18.2	13.8	8.2	0.0
-45°	41.8	30.8	22.8	17.6	13.4	7.8	0.0
-47.5°	37.6	28.8	21.8	16.9	13.1	7.5	0.0
-50°	34.8	26.7	20.9	16.3	12.7	7.1	0.0
-52.5°	32.2	24.5	19.9	15.7	12.3	6.8	0.0
-55°	29.5	23.0	18.8	15.1	11.9	6.4	0.0
-57.5°	26.6	21.7	17.7	14.5	11.5	6.0	0.0
-60°	23.9	20.3	16.7	13.9	11.1	5.5	0.0
-62.5°	22.2	18.9	15.8	13.2	10.2	5.1	0.0
-65°	20.5	17.4	14.9	12.6	9.4	4.7	0.0
-67.5°	18.7	16.1	14.0	11.9	8.5	4.2	0.0
-70°	16.9	15.0	13.1	11.2	7.6	3.8	0.0
-72.5°	15.5	13.9	12.2	10.0	6.7	3.3	0.0
-75°	14.1	12.7	11.3	8.6	5.7	2.9	0.0
-77.5°	12.7	11.5	9.6	7.2	4.8	2.4	0.0
-80°	11.3	9.6	7.7	5.8	3.9	1.9	0.0
-82.5°	8.6	7.2	5.8	4.3	2.9	1.4	0.0
-85°	5.7	4.8	3.9	2.9	1.9	1.0	0.0
-87.5°	2.9	2.4	1.9	1.4	1.0	0.5	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

