

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: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-80-1S-HEG**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS-08-0680N-57-80-1S-HEG  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

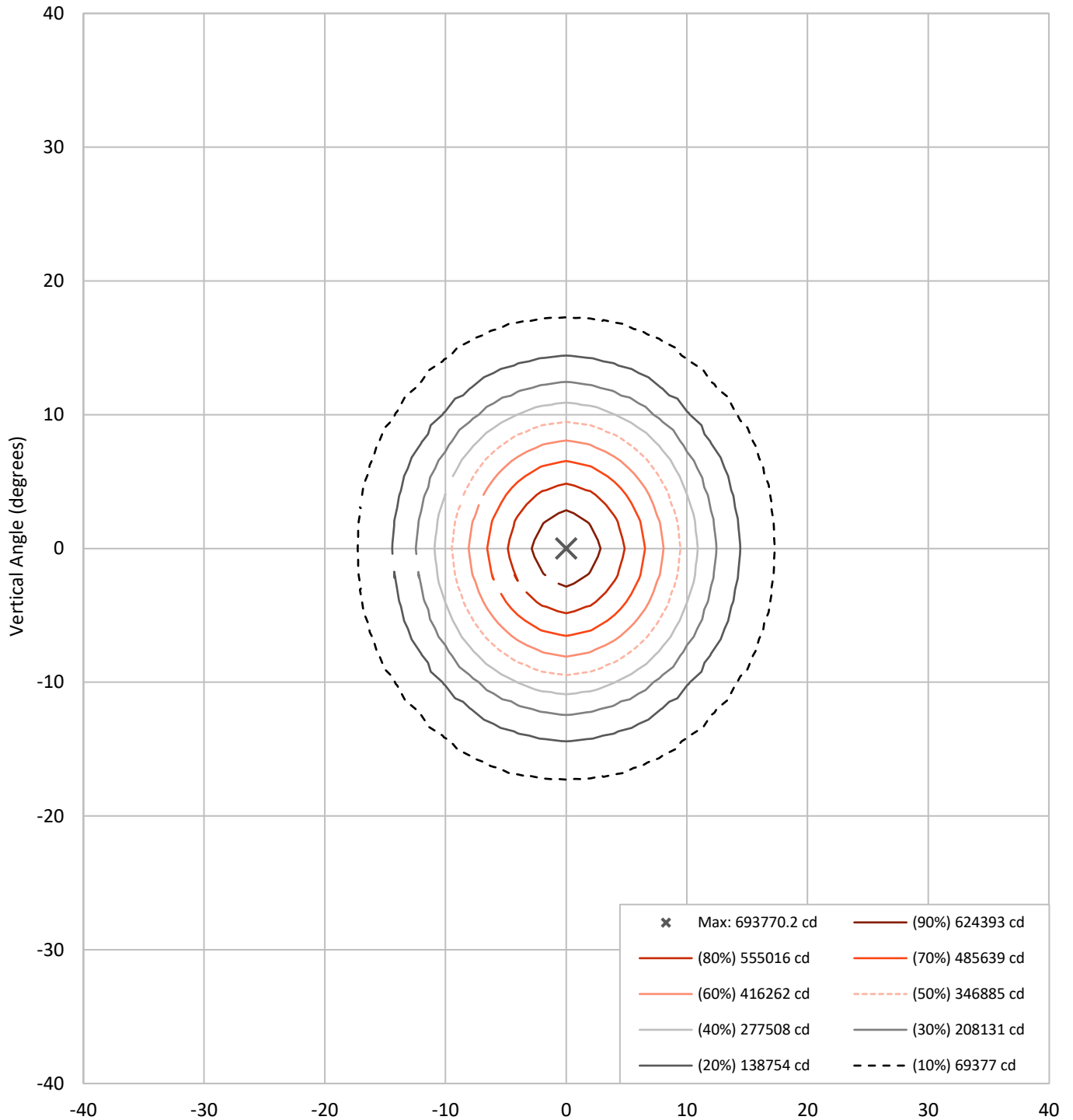
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	93981.9 lumens	Max Intensity:	693770.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	129.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	19°H x 19°V	Field Angle (10%):	34.3°H x 34.3°V
Beam Lumens:	40507.5 lumens	Field Lumens:	74623.5 lumens
Beam Efficiency:	43.1%	Field Efficiency:	79.4%

Input Watts (W): 724.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

REPORT NUMBER: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-HEG

### Iso-Candela Plot





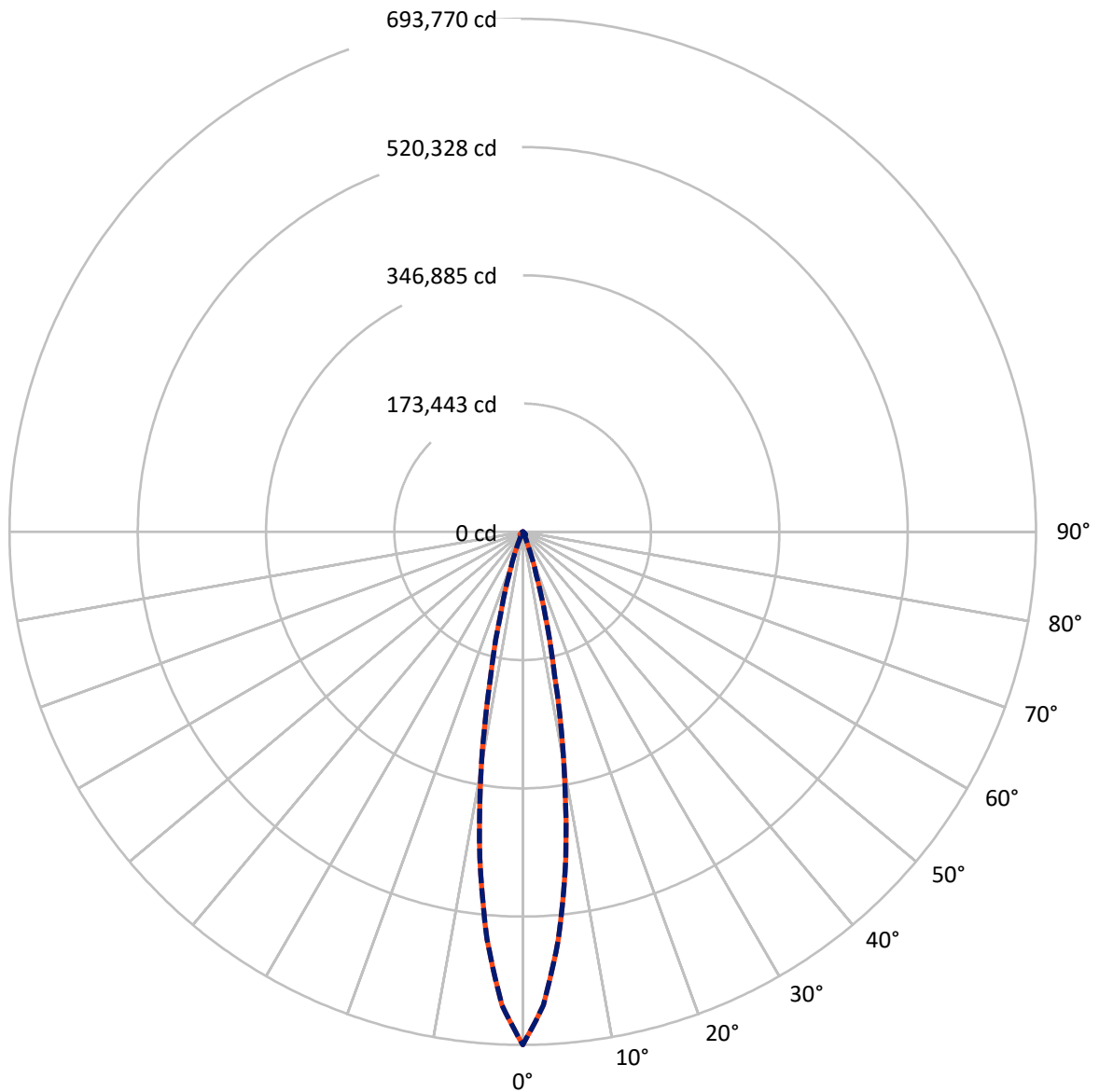
REPORT NUMBER: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-HEG

### Lumen Table

90	0.1	0.9	3.3	8.1	10.8	8.1	3.3	0.9	0.1										
80	0.1	0.9	3.3	8.1	10.8	8.1	3.3	0.9	0.1										
70	0.4	0.5	2.0	5.9	11.8	18.3	23.7	26.7	26.7	23.7	18.3	11.8	5.9	2.0	0.5	0.4			
60		1.5	6.9	17.0	29.3	39.6	46.3	50.0	50.0	46.3	39.6	29.3	17.0	6.9	1.5				
50	1.1	3.6	13.9	29.0	42.4	71.8	113.1	135.9	135.9	113.1	71.8	42.4	29.0	13.9	3.6	1.1			
40		6.3	20.7	36.6	86.7	148.4	163.9	164.2	164.2	163.9	148.4	86.7	36.6	20.7	6.3				
30	2.4	8.8	25.2	56.7	134.3	148.7	163.3	283.2	283.2	163.3	148.7	134.3	56.7	25.2	8.8	2.4			
20		10.7	27.7	84.0	138.9	153.5	897.5	3351.3	3351.3	897.5	153.5	138.9	84.0	27.7	10.7				
10	3.0	11.7	28.9	97.5	134.8	260.5	3270.1	12869.1	12869.1	3270.1	260.5	134.8	97.5	28.9	11.7	3.0			
0		11.7	28.9	97.5	134.8	260.5	3270.1	12869.1	12869.1	3270.1	260.5	134.8	97.5	28.9	11.7				
-10	2.4	10.7	27.7	84.0	138.9	153.5	897.5	3351.3	3351.3	897.5	153.5	138.9	84.0	27.7	10.7	2.4			
-20		8.8	25.2	56.7	134.3	148.7	163.3	283.2	283.2	163.3	148.7	134.3	56.7	25.2	8.8				
-30	1.1	6.3	20.7	36.6	86.7	148.4	163.9	164.2	164.2	163.9	148.4	86.7	36.6	20.7	6.3	1.1			
-40		3.6	13.9	29.0	42.4	71.8	113.1	135.9	135.9	113.1	71.8	42.4	29.0	13.9	3.6				
-50	0.4	1.5	6.9	17.0	29.3	39.6	46.3	50.0	50.0	46.3	39.6	29.3	17.0	6.9	1.5	0.4			
-60		0.5	2.0	5.9	11.8	18.3	23.7	26.7	26.7	23.7	18.3	11.8	5.9	2.0	0.5				
-70	0.1	0.9	3.3	8.1	10.8	8.1	3.3	0.9	0.1						0.1				
-80		0.1	0.9	3.3	8.1	10.8	8.1	3.3	0.9	0.1									
-90	0.1	0.9	3.3	8.1	10.8	8.1	3.3	0.9	0.1										

REPORT NUMBER: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-HEG

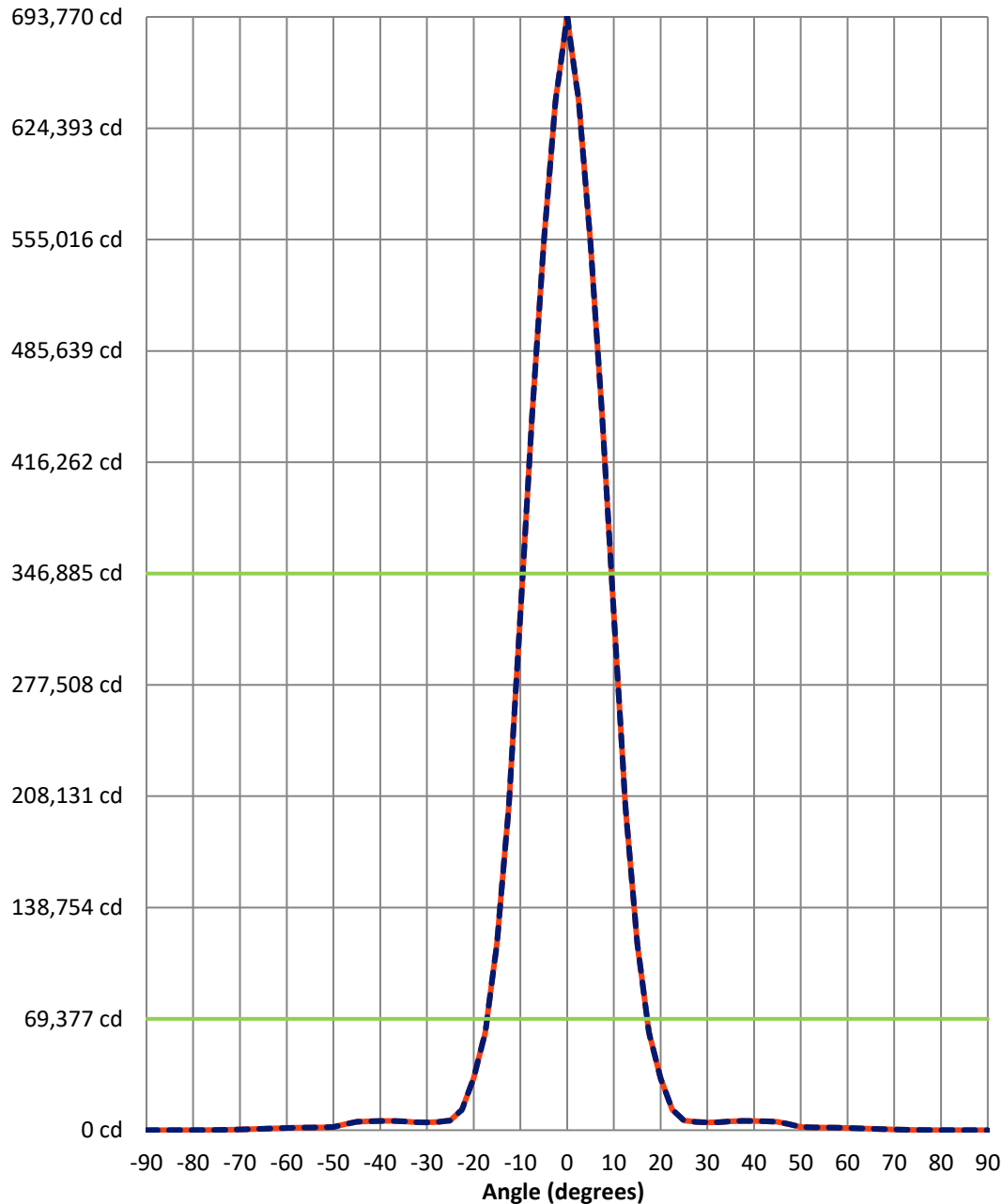
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-HEG

### Luminous Intensity Plot



**Beam:**  
 H Angle: 19°  
 V Angle: 19°  
 Lumens: 40507.5  
 Efficiency: 43.1%

**Field:**  
 H Angle: 34.3°  
 V Angle: 34.3°  
 Lumens: 74623.5  
 Efficiency: 79.4%

**Spill:**  
 Lumens: 19358.4  
 Efficiency: 20.6%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg



REPORT NUMBER: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-HEG

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	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.5	2.8
85°	0.0	0.6	1.1	1.7	2.3	2.9	3.4	4.0	4.5	5.0	5.6
82.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	5.9	6.7	7.3	7.9
80°	0.0	1.1	2.3	3.4	4.6	5.7	6.8	7.6	8.4	9.2	10.0
77.5°	0.0	1.4	2.9	4.3	5.7	7.0	8.0	9.1	10.1	11.1	12.6
75°	0.0	1.7	3.4	5.1	6.8	8.0	9.3	10.5	11.9	14.3	16.7
72.5°	0.0	2.0	4.0	5.9	7.6	9.1	10.5	12.4	15.2	18.0	20.8
70°	0.0	2.3	4.5	6.7	8.4	10.1	11.9	15.2	18.5	21.7	25.4
67.5°	0.0	2.5	5.0	7.3	9.2	11.1	14.3	18.0	21.7	25.9	30.0
65°	0.0	2.8	5.6	7.9	10.0	12.6	16.7	20.8	25.4	30.0	35.5
62.5°	0.0	3.0	6.1	8.5	10.8	14.5	19.1	23.8	29.0	34.6	43.2
60°	0.0	3.3	6.6	9.1	11.6	16.5	21.3	26.9	32.5	41.4	50.8
57.5°	0.0	3.5	7.0	9.6	13.0	18.3	23.9	29.9	37.9	48.1	69.8
55°	0.0	3.8	7.3	10.2	14.5	20.1	26.4	32.9	43.7	58.0	93.8
52.5°	0.0	4.0	7.7	10.7	15.9	21.9	28.9	37.6	49.3	79.0	117.2
50°	0.0	4.2	8.0	11.2	17.2	23.9	31.2	42.4	58.5	99.4	161.2
47.5°	0.0	4.5	8.4	11.8	18.5	25.8	33.8	47.0	76.0	119.2	206.2
45°	0.0	4.7	8.7	12.8	19.8	27.6	37.6	51.4	92.9	157.7	249.7
42.5°	0.0	4.9	9.0	13.7	21.0	29.4	41.2	61.4	109.1	195.2	304.1
40°	0.0	5.1	9.3	14.6	22.3	31.1	44.7	74.9	129.9	231.1	358.3
37.5°	0.0	5.2	9.5	15.4	23.5	32.7	48.0	87.8	160.1	268.7	410.0
35°	0.0	5.4	9.8	16.2	24.7	34.9	51.1	99.9	188.8	312.5	460.9
32.5°	0.0	5.6	10.0	16.9	25.9	37.3	56.1	111.4	215.8	353.9	511.7
30°	0.0	5.7	10.3	17.6	26.9	39.6	65.2	124.8	241.1	392.7	559.3
27.5°	0.0	5.9	10.5	18.2	27.9	41.7	73.7	145.2	267.6	428.7	603.7
25°	0.0	6.0	10.7	18.8	28.8	43.7	81.5	164.0	297.0	464.1	645.0
22.5°	0.0	6.1	10.8	19.3	29.6	45.5	88.6	181.2	323.7	497.4	690.0
20°	0.0	6.2	11.0	19.8	30.4	47.1	95.1	196.6	347.8	527.5	730.7
17.5°	0.0	6.3	11.1	20.2	31.0	48.5	100.8	210.4	369.3	554.2	767.0
15°	0.0	6.4	11.3	20.6	31.6	49.7	105.7	222.3	388.0	577.6	798.6
12.5°	0.0	6.4	11.4	20.9	32.1	50.8	109.9	232.5	403.9	597.4	825.5
10°	0.0	6.5	11.4	21.1	32.5	51.7	113.4	240.9	416.9	613.7	847.6
7.5°	0.0	6.5	11.5	21.3	32.8	52.3	116.1	247.4	427.1	626.5	864.9
5°	0.0	6.6	11.6	21.5	33.0	52.8	118.0	252.1	434.4	635.6	877.3
2.5°	0.0	6.6	11.6	21.6	33.2	53.1	119.2	254.9	438.8	641.1	884.7
0°	0.0	6.6	11.6	21.6	33.2	53.1	119.2	254.9	438.8	641.1	884.7
-2.5°	0.0	6.6	11.6	21.6	33.2	53.1	119.2	254.9	438.8	641.1	884.7
-5°	0.0	6.6	11.6	21.5	33.0	52.8	118.0	252.1	434.4	635.6	877.3
-7.5°	0.0	6.5	11.5	21.3	32.8	52.3	116.1	247.4	427.1	626.5	864.9
-10°	0.0	6.5	11.4	21.1	32.5	51.7	113.4	240.9	416.9	613.7	847.6
-12.5°	0.0	6.4	11.4	20.9	32.1	50.8	109.9	232.5	403.9	597.4	825.5
-15°	0.0	6.4	11.3	20.6	31.6	49.7	105.7	222.3	388.0	577.6	798.6
-17.5°	0.0	6.3	11.1	20.2	31.0	48.5	100.8	210.4	369.3	554.2	767.0
-20°	0.0	6.2	11.0	19.8	30.4	47.1	95.1	196.6	347.8	527.5	730.7



REPORT NUMBER: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-HEG

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.1	10.8	19.3	29.6	45.5	88.6	181.2	323.7	497.4	690.0
-25°	0.0	6.0	10.7	18.8	28.8	43.7	81.5	164.0	297.0	464.1	645.0
-27.5°	0.0	5.9	10.5	18.2	27.9	41.7	73.7	145.2	267.6	428.7	603.7
-30°	0.0	5.7	10.3	17.6	26.9	39.6	65.2	124.8	241.1	392.7	559.3
-32.5°	0.0	5.6	10.0	16.9	25.9	37.3	56.1	111.4	215.8	353.9	511.7
-35°	0.0	5.4	9.8	16.2	24.7	34.9	51.1	99.9	188.8	312.5	460.9
-37.5°	0.0	5.2	9.5	15.4	23.5	32.7	48.0	87.8	160.1	268.7	410.0
-40°	0.0	5.1	9.3	14.6	22.3	31.1	44.7	74.9	129.9	231.1	358.3
-42.5°	0.0	4.9	9.0	13.7	21.0	29.4	41.2	61.4	109.1	195.2	304.1
-45°	0.0	4.7	8.7	12.8	19.8	27.6	37.6	51.4	92.9	157.7	249.7
-47.5°	0.0	4.5	8.4	11.8	18.5	25.8	33.8	47.0	76.0	119.2	206.2
-50°	0.0	4.2	8.0	11.2	17.2	23.9	31.2	42.4	58.5	99.4	161.2
-52.5°	0.0	4.0	7.7	10.7	15.9	21.9	28.9	37.6	49.3	79.0	117.2
-55°	0.0	3.8	7.3	10.2	14.5	20.1	26.4	32.9	43.7	58.0	93.8
-57.5°	0.0	3.5	7.0	9.6	13.0	18.3	23.9	29.9	37.9	48.1	69.8
-60°	0.0	3.3	6.6	9.1	11.6	16.5	21.3	26.9	32.5	41.4	50.8
-62.5°	0.0	3.0	6.1	8.5	10.8	14.5	19.1	23.8	29.0	34.6	43.2
-65°	0.0	2.8	5.6	7.9	10.0	12.6	16.7	20.8	25.4	30.0	35.5
-67.5°	0.0	2.5	5.0	7.3	9.2	11.1	14.3	18.0	21.7	25.9	30.0
-70°	0.0	2.3	4.5	6.7	8.4	10.1	11.9	15.2	18.5	21.7	25.4
-72.5°	0.0	2.0	4.0	5.9	7.6	9.1	10.5	12.4	15.2	18.0	20.8
-75°	0.0	1.7	3.4	5.1	6.8	8.0	9.3	10.5	11.9	14.3	16.7
-77.5°	0.0	1.4	2.9	4.3	5.7	7.0	8.0	9.1	10.1	11.1	12.6
-80°	0.0	1.1	2.3	3.4	4.6	5.7	6.8	7.6	8.4	9.2	10.0
-82.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	5.9	6.7	7.3	7.9
-85°	0.0	0.6	1.1	1.7	2.3	2.9	3.4	4.0	4.5	5.0	5.6
-87.5°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.5	2.8
-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: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-HEG

**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°	3.0	3.3	3.5	3.8	4.0	4.2	4.5	4.7	4.9	5.1	5.2
85°	6.1	6.6	7.0	7.3	7.7	8.0	8.4	8.7	9.0	9.3	9.5
82.5°	8.5	9.1	9.6	10.2	10.7	11.2	11.8	12.8	13.7	14.6	15.4
80°	10.8	11.6	13.0	14.5	15.9	17.2	18.5	19.8	21.0	22.3	23.5
77.5°	14.5	16.5	18.3	20.1	21.9	23.9	25.8	27.6	29.4	31.1	32.7
75°	19.1	21.3	23.9	26.4	28.9	31.2	33.8	37.6	41.2	44.7	48.0
72.5°	23.8	26.9	29.9	32.9	37.6	42.4	47.0	51.4	61.4	74.9	87.8
70°	29.0	32.5	37.9	43.7	49.3	58.5	76.0	92.9	109.1	129.9	160.1
67.5°	34.6	41.4	48.1	58.0	79.0	99.4	119.2	157.7	195.2	231.1	268.7
65°	43.2	50.8	69.8	93.8	117.2	161.2	206.2	249.7	304.1	358.3	410.0
62.5°	51.7	75.7	102.7	139.1	191.8	243.0	305.8	370.7	433.2	498.2	561.0
60°	75.7	105.7	151.4	210.4	272.1	347.8	421.3	497.4	572.5	645.0	728.0
57.5°	102.7	151.4	216.6	289.0	373.3	456.9	544.4	629.1	724.7	819.3	910.5
55°	139.1	210.4	289.0	381.8	475.7	572.8	672.1	782.4	888.9	994.7	1096.1
52.5°	191.8	272.1	373.3	475.7	582.3	695.2	817.3	937.4	1055.7	1167.5	1268.9
50°	243.0	347.8	456.9	572.8	695.2	829.0	961.8	1092.6	1213.6	1326.9	1427.9
47.5°	305.8	421.3	544.4	672.1	817.3	961.8	1105.0	1236.8	1362.1	1469.3	1571.0
45°	370.7	497.4	629.1	782.4	937.4	1092.6	1236.8	1373.9	1490.1	1586.2	1621.4
42.5°	433.2	572.5	724.7	888.9	1055.7	1213.6	1362.1	1490.1	1589.7	1628.4	1673.3
40°	498.2	645.0	819.3	994.7	1167.5	1326.9	1469.3	1586.2	1628.4	1678.2	1731.9
37.5°	561.0	728.0	910.5	1096.1	1268.9	1427.9	1571.0	1621.4	1673.3	1731.9	1892.6
35°	620.6	806.9	999.5	1188.8	1365.6	1518.8	1607.6	1658.9	1722.0	1877.9	2369.1
32.5°	683.9	881.5	1083.8	1273.7	1446.8	1587.0	1637.7	1702.5	1834.1	2169.1	3393.9
30°	747.6	953.7	1161.3	1353.7	1522.4	1613.5	1673.7	1761.9	1963.3	3088.1	4276.5
27.5°	806.9	1021.3	1229.9	1421.5	1583.1	1638.4	1710.0	1875.6	2585.4	3924.6	5062.6
25°	861.7	1083.8	1293.4	1481.9	1604.5	1667.4	1761.3	1981.8	3345.0	4614.7	5345.4
22.5°	912.7	1140.9	1351.6	1537.4	1624.1	1696.1	1852.1	2548.8	4001.7	5231.3	5488.9
20°	959.5	1188.8	1400.4	1581.3	1641.9	1722.2	1934.8	3144.3	4546.0	5353.8	5586.3
17.5°	1001.1	1231.5	1441.4	1595.9	1662.4	1767.0	2077.2	3679.0	5035.9	5464.3	5658.1
15°	1037.5	1268.9	1477.3	1608.7	1681.2	1826.9	2511.2	4087.8	5275.7	5550.9	5720.6
12.5°	1068.5	1300.7	1507.9	1619.6	1697.3	1878.3	2883.1	4430.1	5353.3	5601.5	5737.8
10°	1094.0	1326.9	1533.1	1628.6	1710.6	1920.6	3190.6	4713.4	5417.6	5643.6	5752.1
7.5°	1114.0	1347.4	1552.8	1635.6	1721.0	1953.9	3431.8	4936.0	5468.2	5676.8	5763.4
5°	1128.2	1362.1	1567.0	1640.6	1728.5	1977.7	3605.2	5096.1	5504.7	5700.7	5771.6
2.5°	1136.8	1371.0	1575.5	1643.7	1733.0	1992.1	3709.8	5192.7	5526.6	5715.2	5776.5
0°	1139.7	1373.9	1578.3	1644.7	1734.5	1996.9	3744.7	5225.0	5534.0	5720.0	5778.2
-2.5°	1136.8	1371.0	1575.5	1643.7	1733.0	1992.1	3709.8	5192.7	5526.6	5715.2	5776.5
-5°	1128.2	1362.1	1567.0	1640.6	1728.5	1977.7	3605.2	5096.1	5504.7	5700.7	5771.6
-7.5°	1114.0	1347.4	1552.8	1635.6	1721.0	1953.9	3431.8	4936.0	5468.2	5676.8	5763.4
-10°	1094.0	1326.9	1533.1	1628.6	1710.6	1920.6	3190.6	4713.4	5417.6	5643.6	5752.1
-12.5°	1068.5	1300.7	1507.9	1619.6	1697.3	1878.3	2883.1	4430.1	5353.3	5601.5	5737.8
-15°	1037.5	1268.9	1477.3	1608.7	1681.2	1826.9	2511.2	4087.8	5275.7	5550.9	5720.6
-17.5°	1001.1	1231.5	1441.4	1595.9	1662.4	1767.0	2077.2	3679.0	5035.9	5464.3	5658.1
-20°	959.5	1188.8	1400.4	1581.3	1641.9	1722.2	1934.8	3144.3	4546.0	5353.8	5586.3



REPORT NUMBER: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-HEG

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	912.7	1140.9	1351.6	1537.4	1624.1	1696.1	1852.1	2548.8	4001.7	5231.3	5488.9
-25°	861.7	1083.8	1293.4	1481.9	1604.5	1667.4	1761.3	1981.8	3345.0	4614.7	5345.4
-27.5°	806.9	1021.3	1229.9	1421.5	1583.1	1638.4	1710.0	1875.6	2585.4	3924.6	5062.6
-30°	747.6	953.7	1161.3	1353.7	1522.4	1613.5	1673.7	1761.9	1963.3	3088.1	4276.5
-32.5°	683.9	881.5	1083.8	1273.7	1446.8	1587.0	1637.7	1702.5	1834.1	2169.1	3393.9
-35°	620.6	806.9	999.5	1188.8	1365.6	1518.8	1607.6	1658.9	1722.0	1877.9	2369.1
-37.5°	561.0	728.0	910.5	1096.1	1268.9	1427.9	1571.0	1621.4	1673.3	1731.9	1892.6
-40°	498.2	645.0	819.3	994.7	1167.5	1326.9	1469.3	1586.2	1628.4	1678.2	1731.9
-42.5°	433.2	572.5	724.7	888.9	1055.7	1213.6	1362.1	1490.1	1589.7	1628.4	1673.3
-45°	370.7	497.4	629.1	782.4	937.4	1092.6	1236.8	1373.9	1490.1	1586.2	1621.4
-47.5°	305.8	421.3	544.4	672.1	817.3	961.8	1105.0	1236.8	1362.1	1469.3	1571.0
-50°	243.0	347.8	456.9	572.8	695.2	829.0	961.8	1092.6	1213.6	1326.9	1427.9
-52.5°	191.8	272.1	373.3	475.7	582.3	695.2	817.3	937.4	1055.7	1167.5	1268.9
-55°	139.1	210.4	289.0	381.8	475.7	572.8	672.1	782.4	888.9	994.7	1096.1
-57.5°	102.7	151.4	216.6	289.0	373.3	456.9	544.4	629.1	724.7	819.3	910.5
-60°	75.7	105.7	151.4	210.4	272.1	347.8	421.3	497.4	572.5	645.0	728.0
-62.5°	51.7	75.7	102.7	139.1	191.8	243.0	305.8	370.7	433.2	498.2	561.0
-65°	43.2	50.8	69.8	93.8	117.2	161.2	206.2	249.7	304.1	358.3	410.0
-67.5°	34.6	41.4	48.1	58.0	79.0	99.4	119.2	157.7	195.2	231.1	268.7
-70°	29.0	32.5	37.9	43.7	49.3	58.5	76.0	92.9	109.1	129.9	160.1
-72.5°	23.8	26.9	29.9	32.9	37.6	42.4	47.0	51.4	61.4	74.9	87.8
-75°	19.1	21.3	23.9	26.4	28.9	31.2	33.8	37.6	41.2	44.7	48.0
-77.5°	14.5	16.5	18.3	20.1	21.9	23.9	25.8	27.6	29.4	31.1	32.7
-80°	10.8	11.6	13.0	14.5	15.9	17.2	18.5	19.8	21.0	22.3	23.5
-82.5°	8.5	9.1	9.6	10.2	10.7	11.2	11.8	12.8	13.7	14.6	15.4
-85°	6.1	6.6	7.0	7.3	7.7	8.0	8.4	8.7	9.0	9.3	9.5
-87.5°	3.0	3.3	3.5	3.8	4.0	4.2	4.5	4.7	4.9	5.1	5.2
-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: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-HEG

**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°	5.4	5.6	5.7	5.9	6.0	6.1	6.2	6.3	6.4	6.4	6.5
85°	9.8	10.0	10.3	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.4
82.5°	16.2	16.9	17.6	18.2	18.8	19.3	19.8	20.2	20.6	20.9	21.1
80°	24.7	25.9	26.9	27.9	28.8	29.6	30.4	31.0	31.6	32.1	32.5
77.5°	34.9	37.3	39.6	41.7	43.7	45.5	47.1	48.5	49.7	50.8	51.7
75°	51.1	56.1	65.2	73.7	81.5	88.6	95.1	100.8	105.7	109.9	113.4
72.5°	99.9	111.4	124.8	145.2	164.0	181.2	196.6	210.4	222.3	232.5	240.9
70°	188.8	215.8	241.1	267.6	297.0	323.7	347.8	369.3	388.0	403.9	416.9
67.5°	312.5	353.9	392.7	428.7	464.1	497.4	527.5	554.2	577.6	597.4	613.7
65°	460.9	511.7	559.3	603.7	645.0	690.0	730.7	767.0	798.6	825.5	847.6
62.5°	620.6	683.9	747.6	806.9	861.7	912.7	959.5	1001.1	1037.5	1068.5	1094.0
60°	806.9	881.5	953.7	1021.3	1083.8	1140.9	1188.8	1231.5	1268.9	1300.7	1326.9
57.5°	999.5	1083.8	1161.3	1229.9	1293.4	1351.6	1400.4	1441.4	1477.3	1507.9	1533.1
55°	1188.8	1273.7	1353.7	1421.5	1481.9	1537.4	1581.3	1595.9	1608.7	1619.6	1628.6
52.5°	1365.6	1446.8	1522.4	1583.1	1604.5	1624.1	1641.9	1662.4	1681.2	1697.3	1710.6
50°	1518.8	1587.0	1613.5	1638.4	1667.4	1696.1	1722.2	1767.0	1826.9	1878.3	1920.6
47.5°	1607.6	1637.7	1673.7	1710.0	1761.3	1852.1	1934.8	2077.2	2511.2	2883.1	3190.6
45°	1658.9	1702.5	1761.9	1875.6	1981.8	2548.8	3144.3	3679.0	4087.8	4430.1	4713.4
42.5°	1722.0	1834.1	1963.3	2585.4	3345.0	4001.7	4546.0	5035.9	5275.7	5353.3	5417.6
40°	1877.9	2169.1	3088.1	3924.6	4614.7	5231.3	5353.8	5464.3	5550.9	5601.5	5643.6
37.5°	2369.1	3393.9	4276.5	5062.6	5345.4	5488.9	5586.3	5658.1	5720.6	5737.8	5752.1
35°	3496.6	4454.5	5248.1	5423.0	5566.5	5659.2	5727.7	5752.0	5773.6	5711.9	5638.4
32.5°	4454.5	5267.2	5462.3	5602.9	5708.9	5747.6	5776.4	5663.3	5553.1	5414.0	5259.3
30°	5248.1	5462.3	5615.1	5724.4	5759.8	5708.0	5562.4	5359.5	5129.2	4963.7	4920.6
27.5°	5423.0	5602.9	5724.4	5763.9	5668.1	5496.9	5195.2	4961.0	4897.3	4841.4	4955.9
25°	5566.5	5708.9	5759.8	5668.1	5456.6	5111.4	4927.8	4851.4	4985.3	5134.6	5413.6
22.5°	5659.2	5747.6	5708.0	5496.9	5111.4	4916.6	4873.5	5075.1	5407.4	5843.6	7358.6
20°	5727.7	5776.4	5562.4	5195.2	4927.8	4873.5	5105.5	5578.2	6550.9	10252.9	14633.6
17.5°	5752.0	5663.3	5359.5	4961.0	4851.4	5075.1	5578.2	7258.5	11753.5	21498.2	31778.4
15°	5773.6	5553.1	5129.2	4897.3	4985.3	5407.4	6550.9	11753.5	23852.7	38904.8	55805.9
12.5°	5711.9	5414.0	4963.7	4841.4	5134.6	5843.6	10252.9	21498.2	38904.8	59910.9	95491.7
10°	5638.4	5259.3	4920.6	4955.9	5413.6	7358.6	14633.6	31778.4	55805.9	95491.7	143799.1
7.5°	5580.2	5136.7	4886.3	5048.1	5685.4	9692.2	22167.3	43967.7	78250.3	130508.1	201916.1
5°	5538.1	5047.8	4861.4	5115.4	5884.7	11412.7	27764.5	53334.2	99160.4	165852.8	261100.8
2.5°	5512.6	4993.9	4846.3	5156.3	6006.4	12468.1	31218.3	59161.3	112326.0	191336.2	305378.6
0°	5504.1	4975.8	4841.2	5170.1	6047.3	12824.0	32386.5	61141.2	116829.8	201005.7	321194.7
-2.5°	5512.6	4993.9	4846.3	5156.3	6006.4	12468.1	31218.3	59161.3	112326.0	191336.2	305378.6
-5°	5538.1	5047.8	4861.4	5115.4	5884.7	11412.7	27764.5	53334.2	99160.4	165852.8	261100.8
-7.5°	5580.2	5136.7	4886.3	5048.1	5685.4	9692.2	22167.3	43967.7	78250.3	130508.1	201916.1
-10°	5638.4	5259.3	4920.6	4955.9	5413.6	7358.6	14633.6	31778.4	55805.9	95491.7	143799.1
-12.5°	5711.9	5414.0	4963.7	4841.4	5134.6	5843.6	10252.9	21498.2	38904.8	59910.9	95491.7
-15°	5773.6	5553.1	5129.2	4897.3	4985.3	5407.4	6550.9	11753.5	23852.7	38904.8	55805.9
-17.5°	5752.0	5663.3	5359.5	4961.0	4851.4	5075.1	5578.2	7258.5	11753.5	21498.2	31778.4
-20°	5727.7	5776.4	5562.4	5195.2	4927.8	4873.5	5105.5	5578.2	6550.9	10252.9	14633.6



REPORT NUMBER: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-HEG

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5659.2	5747.6	5708.0	5496.9	5111.4	4916.6	4873.5	5075.1	5407.4	5843.6	7358.6
-25°	5566.5	5708.9	5759.8	5668.1	5456.6	5111.4	4927.8	4851.4	4985.3	5134.6	5413.6
-27.5°	5423.0	5602.9	5724.4	5763.9	5668.1	5496.9	5195.2	4961.0	4897.3	4841.4	4955.9
-30°	5248.1	5462.3	5615.1	5724.4	5759.8	5708.0	5562.4	5359.5	5129.2	4963.7	4920.6
-32.5°	4454.5	5267.2	5462.3	5602.9	5708.9	5747.6	5776.4	5663.3	5553.1	5414.0	5259.3
-35°	3496.6	4454.5	5248.1	5423.0	5566.5	5659.2	5727.7	5752.0	5773.6	5711.9	5638.4
-37.5°	2369.1	3393.9	4276.5	5062.6	5345.4	5488.9	5586.3	5658.1	5720.6	5737.8	5752.1
-40°	1877.9	2169.1	3088.1	3924.6	4614.7	5231.3	5353.8	5464.3	5550.9	5601.5	5643.6
-42.5°	1722.0	1834.1	1963.3	2585.4	3345.0	4001.7	4546.0	5035.9	5275.7	5353.3	5417.6
-45°	1658.9	1702.5	1761.9	1875.6	1981.8	2548.8	3144.3	3679.0	4087.8	4430.1	4713.4
-47.5°	1607.6	1637.7	1673.7	1710.0	1761.3	1852.1	1934.8	2077.2	2511.2	2883.1	3190.6
-50°	1518.8	1587.0	1613.5	1638.4	1667.4	1696.1	1722.2	1767.0	1826.9	1878.3	1920.6
-52.5°	1365.6	1446.8	1522.4	1583.1	1604.5	1624.1	1641.9	1662.4	1681.2	1697.3	1710.6
-55°	1188.8	1273.7	1353.7	1421.5	1481.9	1537.4	1581.3	1595.9	1608.7	1619.6	1628.6
-57.5°	999.5	1083.8	1161.3	1229.9	1293.4	1351.6	1400.4	1441.4	1477.3	1507.9	1533.1
-60°	806.9	881.5	953.7	1021.3	1083.8	1140.9	1188.8	1231.5	1268.9	1300.7	1326.9
-62.5°	620.6	683.9	747.6	806.9	861.7	912.7	959.5	1001.1	1037.5	1068.5	1094.0
-65°	460.9	511.7	559.3	603.7	645.0	690.0	730.7	767.0	798.6	825.5	847.6
-67.5°	312.5	353.9	392.7	428.7	464.1	497.4	527.5	554.2	577.6	597.4	613.7
-70°	188.8	215.8	241.1	267.6	297.0	323.7	347.8	369.3	388.0	403.9	416.9
-72.5°	99.9	111.4	124.8	145.2	164.0	181.2	196.6	210.4	222.3	232.5	240.9
-75°	51.1	56.1	65.2	73.7	81.5	88.6	95.1	100.8	105.7	109.9	113.4
-77.5°	34.9	37.3	39.6	41.7	43.7	45.5	47.1	48.5	49.7	50.8	51.7
-80°	24.7	25.9	26.9	27.9	28.8	29.6	30.4	31.0	31.6	32.1	32.5
-82.5°	16.2	16.9	17.6	18.2	18.8	19.3	19.8	20.2	20.6	20.9	21.1
-85°	9.8	10.0	10.3	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.4
-87.5°	5.4	5.6	5.7	5.9	6.0	6.1	6.2	6.3	6.4	6.4	6.5
-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: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-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°	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.4	6.3
85°	11.5	11.6	11.6	11.6	11.6	11.6	11.5	11.4	11.4	11.3	11.1
82.5°	21.3	21.5	21.6	21.6	21.6	21.5	21.3	21.1	20.9	20.6	20.2
80°	32.8	33.0	33.2	33.2	33.2	33.0	32.8	32.5	32.1	31.6	31.0
77.5°	52.3	52.8	53.1	53.2	53.1	52.8	52.3	51.7	50.8	49.7	48.5
75°	116.1	118.0	119.2	119.6	119.2	118.0	116.1	113.4	109.9	105.7	100.8
72.5°	247.4	252.1	254.9	255.8	254.9	252.1	247.4	240.9	232.5	222.3	210.4
70°	427.1	434.4	438.8	440.3	438.8	434.4	427.1	416.9	403.9	388.0	369.3
67.5°	626.5	635.6	641.1	642.9	641.1	635.6	626.5	613.7	597.4	577.6	554.2
65°	864.9	877.3	884.7	887.2	884.7	877.3	864.9	847.6	825.5	798.6	767.0
62.5°	1114.0	1128.2	1136.8	1139.7	1136.8	1128.2	1114.0	1094.0	1068.5	1037.5	1001.1
60°	1347.4	1362.1	1371.0	1373.9	1371.0	1362.1	1347.4	1326.9	1300.7	1268.9	1231.5
57.5°	1552.8	1567.0	1575.5	1578.3	1575.5	1567.0	1552.8	1533.1	1507.9	1477.3	1441.4
55°	1635.6	1640.6	1643.7	1644.7	1643.7	1640.6	1635.6	1628.6	1619.6	1608.7	1595.9
52.5°	1721.0	1728.5	1733.0	1734.5	1733.0	1728.5	1721.0	1710.6	1697.3	1681.2	1662.4
50°	1953.9	1977.7	1992.1	1996.9	1992.1	1977.7	1953.9	1920.6	1878.3	1826.9	1767.0
47.5°	3431.8	3605.2	3709.8	3744.7	3709.8	3605.2	3431.8	3190.6	2883.1	2511.2	2077.2
45°	4936.0	5096.1	5192.7	5225.0	5192.7	5096.1	4936.0	4713.4	4430.1	4087.8	3679.0
42.5°	5468.2	5504.7	5526.6	5534.0	5526.6	5504.7	5468.2	5417.6	5353.3	5275.7	5035.9
40°	5676.8	5700.7	5715.2	5720.0	5715.2	5700.7	5676.8	5643.6	5601.5	5550.9	5464.3
37.5°	5763.4	5771.6	5776.5	5778.2	5776.5	5771.6	5763.4	5752.1	5737.8	5720.6	5658.1
35°	5580.2	5538.1	5512.6	5504.1	5512.6	5538.1	5580.2	5638.4	5711.9	5773.6	5752.0
32.5°	5136.7	5047.8	4993.9	4975.8	4993.9	5047.8	5136.7	5259.3	5414.0	5553.1	5663.3
30°	4886.3	4861.4	4846.3	4841.2	4846.3	4861.4	4886.3	4920.6	4963.7	5129.2	5359.5
27.5°	5048.1	5115.4	5156.3	5170.1	5156.3	5115.4	5048.1	4955.9	4841.4	4897.3	4961.0
25°	5685.4	5884.7	6006.4	6047.3	6006.4	5884.7	5685.4	5413.6	5134.6	4985.3	4851.4
22.5°	9692.2	11412.7	12468.1	12824.0	12468.1	11412.7	9692.2	7358.6	5843.6	5407.4	5075.1
20°	22167.3	27764.5	31218.3	32386.5	31218.3	27764.5	22167.3	14633.6	10252.9	6550.9	5578.2
17.5°	43967.7	53334.2	59161.3	61141.2	59161.3	53334.2	43967.7	31778.4	21498.2	11753.5	7258.5
15°	78250.3	99160.4	112326.0	116829.8	112326.0	99160.4	78250.3	55805.9	38904.8	23852.7	11753.5
12.5°	130508.1	165852.8	191336.2	201005.7	191336.2	165852.8	130508.1	95491.7	59910.9	38904.8	21498.2
10°	201916.1	261100.8	305378.6	321194.7	305378.6	261100.8	201916.1	143799.1	95491.7	55805.9	31778.4
7.5°	290494.1	370040.7	425934.5	444964.9	425934.5	370040.7	290494.1	201916.1	130508.1	78250.3	43967.7
5°	370040.7	465409.9	529198.7	552795.9	529198.7	465409.9	370040.7	261100.8	165852.8	99160.4	53334.2
2.5°	425934.5	529198.7	604889.1	640778.8	604889.1	529198.7	425934.5	305378.6	191336.2	112326.0	59161.3
0°	444964.9	552795.9	640778.8	693770.2	640778.8	552795.9	444964.9	321194.7	201005.7	116829.8	61141.2
-2.5°	425934.5	529198.7	604889.1	640778.8	604889.1	529198.7	425934.5	305378.6	191336.2	112326.0	59161.3
-5°	370040.7	465409.9	529198.7	552795.9	529198.7	465409.9	370040.7	261100.8	165852.8	99160.4	53334.2
-7.5°	290494.1	370040.7	425934.5	444964.9	425934.5	370040.7	290494.1	201916.1	130508.1	78250.3	43967.7
-10°	201916.1	261100.8	305378.6	321194.7	305378.6	261100.8	201916.1	143799.1	95491.7	55805.9	31778.4
-12.5°	130508.1	165852.8	191336.2	201005.7	191336.2	165852.8	130508.1	95491.7	59910.9	38904.8	21498.2
-15°	78250.3	99160.4	112326.0	116829.8	112326.0	99160.4	78250.3	55805.9	38904.8	23852.7	11753.5
-17.5°	43967.7	53334.2	59161.3	61141.2	59161.3	53334.2	43967.7	31778.4	21498.2	11753.5	7258.5
-20°	22167.3	27764.5	31218.3	32386.5	31218.3	27764.5	22167.3	14633.6	10252.9	6550.9	5578.2



REPORT NUMBER: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-HEG

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9692.2	11412.7	12468.1	12824.0	12468.1	11412.7	9692.2	7358.6	5843.6	5407.4	5075.1
-25°	5685.4	5884.7	6006.4	6047.3	6006.4	5884.7	5685.4	5413.6	5134.6	4985.3	4851.4
-27.5°	5048.1	5115.4	5156.3	5170.1	5156.3	5115.4	5048.1	4955.9	4841.4	4897.3	4961.0
-30°	4886.3	4861.4	4846.3	4841.2	4846.3	4861.4	4886.3	4920.6	4963.7	5129.2	5359.5
-32.5°	5136.7	5047.8	4993.9	4975.8	4993.9	5047.8	5136.7	5259.3	5414.0	5553.1	5663.3
-35°	5580.2	5538.1	5512.6	5504.1	5512.6	5538.1	5580.2	5638.4	5711.9	5773.6	5752.0
-37.5°	5763.4	5771.6	5776.5	5778.2	5776.5	5771.6	5763.4	5752.1	5737.8	5720.6	5658.1
-40°	5676.8	5700.7	5715.2	5720.0	5715.2	5700.7	5676.8	5643.6	5601.5	5550.9	5464.3
-42.5°	5468.2	5504.7	5526.6	5534.0	5526.6	5504.7	5468.2	5417.6	5353.3	5275.7	5035.9
-45°	4936.0	5096.1	5192.7	5225.0	5192.7	5096.1	4936.0	4713.4	4430.1	4087.8	3679.0
-47.5°	3431.8	3605.2	3709.8	3744.7	3709.8	3605.2	3431.8	3190.6	2883.1	2511.2	2077.2
-50°	1953.9	1977.7	1992.1	1996.9	1992.1	1977.7	1953.9	1920.6	1878.3	1826.9	1767.0
-52.5°	1721.0	1728.5	1733.0	1734.5	1733.0	1728.5	1721.0	1710.6	1697.3	1681.2	1662.4
-55°	1635.6	1640.6	1643.7	1644.7	1643.7	1640.6	1635.6	1628.6	1619.6	1608.7	1595.9
-57.5°	1552.8	1567.0	1575.5	1578.3	1575.5	1567.0	1552.8	1533.1	1507.9	1477.3	1441.4
-60°	1347.4	1362.1	1371.0	1373.9	1371.0	1362.1	1347.4	1326.9	1300.7	1268.9	1231.5
-62.5°	1114.0	1128.2	1136.8	1139.7	1136.8	1128.2	1114.0	1094.0	1068.5	1037.5	1001.1
-65°	864.9	877.3	884.7	887.2	884.7	877.3	864.9	847.6	825.5	798.6	767.0
-67.5°	626.5	635.6	641.1	642.9	641.1	635.6	626.5	613.7	597.4	577.6	554.2
-70°	427.1	434.4	438.8	440.3	438.8	434.4	427.1	416.9	403.9	388.0	369.3
-72.5°	247.4	252.1	254.9	255.8	254.9	252.1	247.4	240.9	232.5	222.3	210.4
-75°	116.1	118.0	119.2	119.6	119.2	118.0	116.1	113.4	109.9	105.7	100.8
-77.5°	52.3	52.8	53.1	53.2	53.1	52.8	52.3	51.7	50.8	49.7	48.5
-80°	32.8	33.0	33.2	33.2	33.2	33.0	32.8	32.5	32.1	31.6	31.0
-82.5°	21.3	21.5	21.6	21.6	21.6	21.5	21.3	21.1	20.9	20.6	20.2
-85°	11.5	11.6	11.6	11.6	11.6	11.6	11.5	11.4	11.4	11.3	11.1
-87.5°	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.4	6.3
-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: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-HEG

**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°	6.2	6.1	6.0	5.9	5.7	5.6	5.4	5.2	5.1	4.9	4.7
85°	11.0	10.8	10.7	10.5	10.3	10.0	9.8	9.5	9.3	9.0	8.7
82.5°	19.8	19.3	18.8	18.2	17.6	16.9	16.2	15.4	14.6	13.7	12.8
80°	30.4	29.6	28.8	27.9	26.9	25.9	24.7	23.5	22.3	21.0	19.8
77.5°	47.1	45.5	43.7	41.7	39.6	37.3	34.9	32.7	31.1	29.4	27.6
75°	95.1	88.6	81.5	73.7	65.2	56.1	51.1	48.0	44.7	41.2	37.6
72.5°	196.6	181.2	164.0	145.2	124.8	111.4	99.9	87.8	74.9	61.4	51.4
70°	347.8	323.7	297.0	267.6	241.1	215.8	188.8	160.1	129.9	109.1	92.9
67.5°	527.5	497.4	464.1	428.7	392.7	353.9	312.5	268.7	231.1	195.2	157.7
65°	730.7	690.0	645.0	603.7	559.3	511.7	460.9	410.0	358.3	304.1	249.7
62.5°	959.5	912.7	861.7	806.9	747.6	683.9	620.6	561.0	498.2	433.2	370.7
60°	1188.8	1140.9	1083.8	1021.3	953.7	881.5	806.9	728.0	645.0	572.5	497.4
57.5°	1400.4	1351.6	1293.4	1229.9	1161.3	1083.8	999.5	910.5	819.3	724.7	629.1
55°	1581.3	1537.4	1481.9	1421.5	1353.7	1273.7	1188.8	1096.1	994.7	888.9	782.4
52.5°	1641.9	1624.1	1604.5	1583.1	1522.4	1446.8	1365.6	1268.9	1167.5	1055.7	937.4
50°	1722.2	1696.1	1667.4	1638.4	1613.5	1587.0	1518.8	1427.9	1326.9	1213.6	1092.6
47.5°	1934.8	1852.1	1761.3	1710.0	1673.7	1637.7	1607.6	1571.0	1469.3	1362.1	1236.8
45°	3144.3	2548.8	1981.8	1875.6	1761.9	1702.5	1658.9	1621.4	1586.2	1490.1	1373.9
42.5°	4546.0	4001.7	3345.0	2585.4	1963.3	1834.1	1722.0	1673.3	1628.4	1589.7	1490.1
40°	5353.8	5231.3	4614.7	3924.6	3088.1	2169.1	1877.9	1731.9	1678.2	1628.4	1586.2
37.5°	5586.3	5488.9	5345.4	5062.6	4276.5	3393.9	2369.1	1892.6	1731.9	1673.3	1621.4
35°	5727.7	5659.2	5566.5	5423.0	5248.1	4454.5	3496.6	2369.1	1877.9	1722.0	1658.9
32.5°	5776.4	5747.6	5708.9	5602.9	5462.3	5267.2	4454.5	3393.9	2169.1	1834.1	1702.5
30°	5562.4	5708.0	5759.8	5724.4	5615.1	5462.3	5248.1	4276.5	3088.1	1963.3	1761.9
27.5°	5195.2	5496.9	5668.1	5763.9	5724.4	5602.9	5423.0	5062.6	3924.6	2585.4	1875.6
25°	4927.8	5111.4	5456.6	5668.1	5759.8	5708.9	5566.5	5345.4	4614.7	3345.0	1981.8
22.5°	4873.5	4916.6	5111.4	5496.9	5708.0	5747.6	5659.2	5488.9	5231.3	4001.7	2548.8
20°	5105.5	4873.5	4927.8	5195.2	5562.4	5776.4	5727.7	5586.3	5353.8	4546.0	3144.3
17.5°	5578.2	5075.1	4851.4	4961.0	5359.5	5663.3	5752.0	5658.1	5464.3	5035.9	3679.0
15°	6550.9	5407.4	4985.3	4897.3	5129.2	5553.1	5773.6	5720.6	5550.9	5275.7	4087.8
12.5°	10252.9	5843.6	5134.6	4841.4	4963.7	5414.0	5711.9	5737.8	5601.5	5353.3	4430.1
10°	14633.6	7358.6	5413.6	4955.9	4920.6	5259.3	5638.4	5752.1	5643.6	5417.6	4713.4
7.5°	22167.3	9692.2	5685.4	5048.1	4886.3	5136.7	5580.2	5763.4	5676.8	5468.2	4936.0
5°	27764.5	11412.7	5884.7	5115.4	4861.4	5047.8	5538.1	5771.6	5700.7	5504.7	5096.1
2.5°	31218.3	12468.1	6006.4	5156.3	4846.3	4993.9	5512.6	5776.5	5715.2	5526.6	5192.7
0°	32386.5	12824.0	6047.3	5170.1	4841.2	4975.8	5504.1	5778.2	5720.0	5534.0	5225.0
-2.5°	31218.3	12468.1	6006.4	5156.3	4846.3	4993.9	5512.6	5776.5	5715.2	5526.6	5192.7
-5°	27764.5	11412.7	5884.7	5115.4	4861.4	5047.8	5538.1	5771.6	5700.7	5504.7	5096.1
-7.5°	22167.3	9692.2	5685.4	5048.1	4886.3	5136.7	5580.2	5763.4	5676.8	5468.2	4936.0
-10°	14633.6	7358.6	5413.6	4955.9	4920.6	5259.3	5638.4	5752.1	5643.6	5417.6	4713.4
-12.5°	10252.9	5843.6	5134.6	4841.4	4963.7	5414.0	5711.9	5737.8	5601.5	5353.3	4430.1
-15°	6550.9	5407.4	4985.3	4897.3	5129.2	5553.1	5773.6	5720.6	5550.9	5275.7	4087.8
-17.5°	5578.2	5075.1	4851.4	4961.0	5359.5	5663.3	5752.0	5658.1	5464.3	5035.9	3679.0
-20°	5105.5	4873.5	4927.8	5195.2	5562.4	5776.4	5727.7	5586.3	5353.8	4546.0	3144.3



REPORT NUMBER: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-HEG

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4873.5	4916.6	5111.4	5496.9	5708.0	5747.6	5659.2	5488.9	5231.3	4001.7	2548.8
-25°	4927.8	5111.4	5456.6	5668.1	5759.8	5708.9	5566.5	5345.4	4614.7	3345.0	1981.8
-27.5°	5195.2	5496.9	5668.1	5763.9	5724.4	5602.9	5423.0	5062.6	3924.6	2585.4	1875.6
-30°	5562.4	5708.0	5759.8	5724.4	5615.1	5462.3	5248.1	4276.5	3088.1	1963.3	1761.9
-32.5°	5776.4	5747.6	5708.9	5602.9	5462.3	5267.2	4454.5	3393.9	2169.1	1834.1	1702.5
-35°	5727.7	5659.2	5566.5	5423.0	5248.1	4454.5	3496.6	2369.1	1877.9	1722.0	1658.9
-37.5°	5586.3	5488.9	5345.4	5062.6	4276.5	3393.9	2369.1	1892.6	1731.9	1673.3	1621.4
-40°	5353.8	5231.3	4614.7	3924.6	3088.1	2169.1	1877.9	1731.9	1678.2	1628.4	1586.2
-42.5°	4546.0	4001.7	3345.0	2585.4	1963.3	1834.1	1722.0	1673.3	1628.4	1589.7	1490.1
-45°	3144.3	2548.8	1981.8	1875.6	1761.9	1702.5	1658.9	1621.4	1586.2	1490.1	1373.9
-47.5°	1934.8	1852.1	1761.3	1710.0	1673.7	1637.7	1607.6	1571.0	1469.3	1362.1	1236.8
-50°	1722.2	1696.1	1667.4	1638.4	1613.5	1587.0	1518.8	1427.9	1326.9	1213.6	1092.6
-52.5°	1641.9	1624.1	1604.5	1583.1	1522.4	1446.8	1365.6	1268.9	1167.5	1055.7	937.4
-55°	1581.3	1537.4	1481.9	1421.5	1353.7	1273.7	1188.8	1096.1	994.7	888.9	782.4
-57.5°	1400.4	1351.6	1293.4	1229.9	1161.3	1083.8	999.5	910.5	819.3	724.7	629.1
-60°	1188.8	1140.9	1083.8	1021.3	953.7	881.5	806.9	728.0	645.0	572.5	497.4
-62.5°	959.5	912.7	861.7	806.9	747.6	683.9	620.6	561.0	498.2	433.2	370.7
-65°	730.7	690.0	645.0	603.7	559.3	511.7	460.9	410.0	358.3	304.1	249.7
-67.5°	527.5	497.4	464.1	428.7	392.7	353.9	312.5	268.7	231.1	195.2	157.7
-70°	347.8	323.7	297.0	267.6	241.1	215.8	188.8	160.1	129.9	109.1	92.9
-72.5°	196.6	181.2	164.0	145.2	124.8	111.4	99.9	87.8	74.9	61.4	51.4
-75°	95.1	88.6	81.5	73.7	65.2	56.1	51.1	48.0	44.7	41.2	37.6
-77.5°	47.1	45.5	43.7	41.7	39.6	37.3	34.9	32.7	31.1	29.4	27.6
-80°	30.4	29.6	28.8	27.9	26.9	25.9	24.7	23.5	22.3	21.0	19.8
-82.5°	19.8	19.3	18.8	18.2	17.6	16.9	16.2	15.4	14.6	13.7	12.8
-85°	11.0	10.8	10.7	10.5	10.3	10.0	9.8	9.5	9.3	9.0	8.7
-87.5°	6.2	6.1	6.0	5.9	5.7	5.6	5.4	5.2	5.1	4.9	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





REPORT NUMBER: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-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°	4.5	4.2	4.0	3.8	3.5	3.3	3.0	2.8	2.5	2.3	2.0
85°	8.4	8.0	7.7	7.3	7.0	6.6	6.1	5.6	5.0	4.5	4.0
82.5°	11.8	11.2	10.7	10.2	9.6	9.1	8.5	7.9	7.3	6.7	5.9
80°	18.5	17.2	15.9	14.5	13.0	11.6	10.8	10.0	9.2	8.4	7.6
77.5°	25.8	23.9	21.9	20.1	18.3	16.5	14.5	12.6	11.1	10.1	9.1
75°	33.8	31.2	28.9	26.4	23.9	21.3	19.1	16.7	14.3	11.9	10.5
72.5°	47.0	42.4	37.6	32.9	29.9	26.9	23.8	20.8	18.0	15.2	12.4
70°	76.0	58.5	49.3	43.7	37.9	32.5	29.0	25.4	21.7	18.5	15.2
67.5°	119.2	99.4	79.0	58.0	48.1	41.4	34.6	30.0	25.9	21.7	18.0
65°	206.2	161.2	117.2	93.8	69.8	50.8	43.2	35.5	30.0	25.4	20.8
62.5°	305.8	243.0	191.8	139.1	102.7	75.7	51.7	43.2	34.6	29.0	23.8
60°	421.3	347.8	272.1	210.4	151.4	105.7	75.7	50.8	41.4	32.5	26.9
57.5°	544.4	456.9	373.3	289.0	216.6	151.4	102.7	69.8	48.1	37.9	29.9
55°	672.1	572.8	475.7	381.8	289.0	210.4	139.1	93.8	58.0	43.7	32.9
52.5°	817.3	695.2	582.3	475.7	373.3	272.1	191.8	117.2	79.0	49.3	37.6
50°	961.8	829.0	695.2	572.8	456.9	347.8	243.0	161.2	99.4	58.5	42.4
47.5°	1105.0	961.8	817.3	672.1	544.4	421.3	305.8	206.2	119.2	76.0	47.0
45°	1236.8	1092.6	937.4	782.4	629.1	497.4	370.7	249.7	157.7	92.9	51.4
42.5°	1362.1	1213.6	1055.7	888.9	724.7	572.5	433.2	304.1	195.2	109.1	61.4
40°	1469.3	1326.9	1167.5	994.7	819.3	645.0	498.2	358.3	231.1	129.9	74.9
37.5°	1571.0	1427.9	1268.9	1096.1	910.5	728.0	561.0	410.0	268.7	160.1	87.8
35°	1607.6	1518.8	1365.6	1188.8	999.5	806.9	620.6	460.9	312.5	188.8	99.9
32.5°	1637.7	1587.0	1446.8	1273.7	1083.8	881.5	683.9	511.7	353.9	215.8	111.4
30°	1673.7	1613.5	1522.4	1353.7	1161.3	953.7	747.6	559.3	392.7	241.1	124.8
27.5°	1710.0	1638.4	1583.1	1421.5	1229.9	1021.3	806.9	603.7	428.7	267.6	145.2
25°	1761.3	1667.4	1604.5	1481.9	1293.4	1083.8	861.7	645.0	464.1	297.0	164.0
22.5°	1852.1	1696.1	1624.1	1537.4	1351.6	1140.9	912.7	690.0	497.4	323.7	181.2
20°	1934.8	1722.2	1641.9	1581.3	1400.4	1188.8	959.5	730.7	527.5	347.8	196.6
17.5°	2077.2	1767.0	1662.4	1595.9	1441.4	1231.5	1001.1	767.0	554.2	369.3	210.4
15°	2511.2	1826.9	1681.2	1608.7	1477.3	1268.9	1037.5	798.6	577.6	388.0	222.3
12.5°	2883.1	1878.3	1697.3	1619.6	1507.9	1300.7	1068.5	825.5	597.4	403.9	232.5
10°	3190.6	1920.6	1710.6	1628.6	1533.1	1326.9	1094.0	847.6	613.7	416.9	240.9
7.5°	3431.8	1953.9	1721.0	1635.6	1552.8	1347.4	1114.0	864.9	626.5	427.1	247.4
5°	3605.2	1977.7	1728.5	1640.6	1567.0	1362.1	1128.2	877.3	635.6	434.4	252.1
2.5°	3709.8	1992.1	1733.0	1643.7	1575.5	1371.0	1136.8	884.7	641.1	438.8	254.9
0°	3744.7	1996.9	1734.5	1644.7	1578.3	1373.9	1139.7	887.2	642.9	440.3	255.8
-2.5°	3709.8	1992.1	1733.0	1643.7	1575.5	1371.0	1136.8	884.7	641.1	438.8	254.9
-5°	3605.2	1977.7	1728.5	1640.6	1567.0	1362.1	1128.2	877.3	635.6	434.4	252.1
-7.5°	3431.8	1953.9	1721.0	1635.6	1552.8	1347.4	1114.0	864.9	626.5	427.1	247.4
-10°	3190.6	1920.6	1710.6	1628.6	1533.1	1326.9	1094.0	847.6	613.7	416.9	240.9
-12.5°	2883.1	1878.3	1697.3	1619.6	1507.9	1300.7	1068.5	825.5	597.4	403.9	232.5
-15°	2511.2	1826.9	1681.2	1608.7	1477.3	1268.9	1037.5	798.6	577.6	388.0	222.3
-17.5°	2077.2	1767.0	1662.4	1595.9	1441.4	1231.5	1001.1	767.0	554.2	369.3	210.4
-20°	1934.8	1722.2	1641.9	1581.3	1400.4	1188.8	959.5	730.7	527.5	347.8	196.6



REPORT NUMBER: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-HEG

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1852.1	1696.1	1624.1	1537.4	1351.6	1140.9	912.7	690.0	497.4	323.7	181.2
-25°	1761.3	1667.4	1604.5	1481.9	1293.4	1083.8	861.7	645.0	464.1	297.0	164.0
-27.5°	1710.0	1638.4	1583.1	1421.5	1229.9	1021.3	806.9	603.7	428.7	267.6	145.2
-30°	1673.7	1613.5	1522.4	1353.7	1161.3	953.7	747.6	559.3	392.7	241.1	124.8
-32.5°	1637.7	1587.0	1446.8	1273.7	1083.8	881.5	683.9	511.7	353.9	215.8	111.4
-35°	1607.6	1518.8	1365.6	1188.8	999.5	806.9	620.6	460.9	312.5	188.8	99.9
-37.5°	1571.0	1427.9	1268.9	1096.1	910.5	728.0	561.0	410.0	268.7	160.1	87.8
-40°	1469.3	1326.9	1167.5	994.7	819.3	645.0	498.2	358.3	231.1	129.9	74.9
-42.5°	1362.1	1213.6	1055.7	888.9	724.7	572.5	433.2	304.1	195.2	109.1	61.4
-45°	1236.8	1092.6	937.4	782.4	629.1	497.4	370.7	249.7	157.7	92.9	51.4
-47.5°	1105.0	961.8	817.3	672.1	544.4	421.3	305.8	206.2	119.2	76.0	47.0
-50°	961.8	829.0	695.2	572.8	456.9	347.8	243.0	161.2	99.4	58.5	42.4
-52.5°	817.3	695.2	582.3	475.7	373.3	272.1	191.8	117.2	79.0	49.3	37.6
-55°	672.1	572.8	475.7	381.8	289.0	210.4	139.1	93.8	58.0	43.7	32.9
-57.5°	544.4	456.9	373.3	289.0	216.6	151.4	102.7	69.8	48.1	37.9	29.9
-60°	421.3	347.8	272.1	210.4	151.4	105.7	75.7	50.8	41.4	32.5	26.9
-62.5°	305.8	243.0	191.8	139.1	102.7	75.7	51.7	43.2	34.6	29.0	23.8
-65°	206.2	161.2	117.2	93.8	69.8	50.8	43.2	35.5	30.0	25.4	20.8
-67.5°	119.2	99.4	79.0	58.0	48.1	41.4	34.6	30.0	25.9	21.7	18.0
-70°	76.0	58.5	49.3	43.7	37.9	32.5	29.0	25.4	21.7	18.5	15.2
-72.5°	47.0	42.4	37.6	32.9	29.9	26.9	23.8	20.8	18.0	15.2	12.4
-75°	33.8	31.2	28.9	26.4	23.9	21.3	19.1	16.7	14.3	11.9	10.5
-77.5°	25.8	23.9	21.9	20.1	18.3	16.5	14.5	12.6	11.1	10.1	9.1
-80°	18.5	17.2	15.9	14.5	13.0	11.6	10.8	10.0	9.2	8.4	7.6
-82.5°	11.8	11.2	10.7	10.2	9.6	9.1	8.5	7.9	7.3	6.7	5.9
-85°	8.4	8.0	7.7	7.3	7.0	6.6	6.1	5.6	5.0	4.5	4.0
-87.5°	4.5	4.2	4.0	3.8	3.5	3.3	3.0	2.8	2.5	2.3	2.0
-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: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-HEG

**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°	1.7	1.4	1.1	0.9	0.6	0.3	0.0
85°	3.4	2.9	2.3	1.7	1.1	0.6	0.0
82.5°	5.1	4.3	3.4	2.6	1.7	0.9	0.0
80°	6.8	5.7	4.6	3.4	2.3	1.1	0.0
77.5°	8.0	7.0	5.7	4.3	2.9	1.4	0.0
75°	9.3	8.0	6.8	5.1	3.4	1.7	0.0
72.5°	10.5	9.1	7.6	5.9	4.0	2.0	0.0
70°	11.9	10.1	8.4	6.7	4.5	2.3	0.0
67.5°	14.3	11.1	9.2	7.3	5.0	2.5	0.0
65°	16.7	12.6	10.0	7.9	5.6	2.8	0.0
62.5°	19.1	14.5	10.8	8.5	6.1	3.0	0.0
60°	21.3	16.5	11.6	9.1	6.6	3.3	0.0
57.5°	23.9	18.3	13.0	9.6	7.0	3.5	0.0
55°	26.4	20.1	14.5	10.2	7.3	3.8	0.0
52.5°	28.9	21.9	15.9	10.7	7.7	4.0	0.0
50°	31.2	23.9	17.2	11.2	8.0	4.2	0.0
47.5°	33.8	25.8	18.5	11.8	8.4	4.5	0.0
45°	37.6	27.6	19.8	12.8	8.7	4.7	0.0
42.5°	41.2	29.4	21.0	13.7	9.0	4.9	0.0
40°	44.7	31.1	22.3	14.6	9.3	5.1	0.0
37.5°	48.0	32.7	23.5	15.4	9.5	5.2	0.0
35°	51.1	34.9	24.7	16.2	9.8	5.4	0.0
32.5°	56.1	37.3	25.9	16.9	10.0	5.6	0.0
30°	65.2	39.6	26.9	17.6	10.3	5.7	0.0
27.5°	73.7	41.7	27.9	18.2	10.5	5.9	0.0
25°	81.5	43.7	28.8	18.8	10.7	6.0	0.0
22.5°	88.6	45.5	29.6	19.3	10.8	6.1	0.0
20°	95.1	47.1	30.4	19.8	11.0	6.2	0.0
17.5°	100.8	48.5	31.0	20.2	11.1	6.3	0.0
15°	105.7	49.7	31.6	20.6	11.3	6.4	0.0
12.5°	109.9	50.8	32.1	20.9	11.4	6.4	0.0
10°	113.4	51.7	32.5	21.1	11.4	6.5	0.0
7.5°	116.1	52.3	32.8	21.3	11.5	6.5	0.0
5°	118.0	52.8	33.0	21.5	11.6	6.6	0.0
2.5°	119.2	53.1	33.2	21.6	11.6	6.6	0.0
0°	119.6	53.2	33.2	21.6	11.6	6.6	0.0
-2.5°	119.2	53.1	33.2	21.6	11.6	6.6	0.0
-5°	118.0	52.8	33.0	21.5	11.6	6.6	0.0
-7.5°	116.1	52.3	32.8	21.3	11.5	6.5	0.0
-10°	113.4	51.7	32.5	21.1	11.4	6.5	0.0
-12.5°	109.9	50.8	32.1	20.9	11.4	6.4	0.0
-15°	105.7	49.7	31.6	20.6	11.3	6.4	0.0
-17.5°	100.8	48.5	31.0	20.2	11.1	6.3	0.0
-20°	95.1	47.1	30.4	19.8	11.0	6.2	0.0



REPORT NUMBER: P731300 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-HEG

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	88.6	45.5	29.6	19.3	10.8	6.1	0.0
-25°	81.5	43.7	28.8	18.8	10.7	6.0	0.0
-27.5°	73.7	41.7	27.9	18.2	10.5	5.9	0.0
-30°	65.2	39.6	26.9	17.6	10.3	5.7	0.0
-32.5°	56.1	37.3	25.9	16.9	10.0	5.6	0.0
-35°	51.1	34.9	24.7	16.2	9.8	5.4	0.0
-37.5°	48.0	32.7	23.5	15.4	9.5	5.2	0.0
-40°	44.7	31.1	22.3	14.6	9.3	5.1	0.0
-42.5°	41.2	29.4	21.0	13.7	9.0	4.9	0.0
-45°	37.6	27.6	19.8	12.8	8.7	4.7	0.0
-47.5°	33.8	25.8	18.5	11.8	8.4	4.5	0.0
-50°	31.2	23.9	17.2	11.2	8.0	4.2	0.0
-52.5°	28.9	21.9	15.9	10.7	7.7	4.0	0.0
-55°	26.4	20.1	14.5	10.2	7.3	3.8	0.0
-57.5°	23.9	18.3	13.0	9.6	7.0	3.5	0.0
-60°	21.3	16.5	11.6	9.1	6.6	3.3	0.0
-62.5°	19.1	14.5	10.8	8.5	6.1	3.0	0.0
-65°	16.7	12.6	10.0	7.9	5.6	2.8	0.0
-67.5°	14.3	11.1	9.2	7.3	5.0	2.5	0.0
-70°	11.9	10.1	8.4	6.7	4.5	2.3	0.0
-72.5°	10.5	9.1	7.6	5.9	4.0	2.0	0.0
-75°	9.3	8.0	6.8	5.1	3.4	1.7	0.0
-77.5°	8.0	7.0	5.7	4.3	2.9	1.4	0.0
-80°	6.8	5.7	4.6	3.4	2.3	1.1	0.0
-82.5°	5.1	4.3	3.4	2.6	1.7	0.9	0.0
-85°	3.4	2.9	2.3	1.7	1.1	0.6	0.0
-87.5°	1.7	1.4	1.1	0.9	0.6	0.3	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

