

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: P731726 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-80-4S-CV1**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731726 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680N-57-80-4S-CV1  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

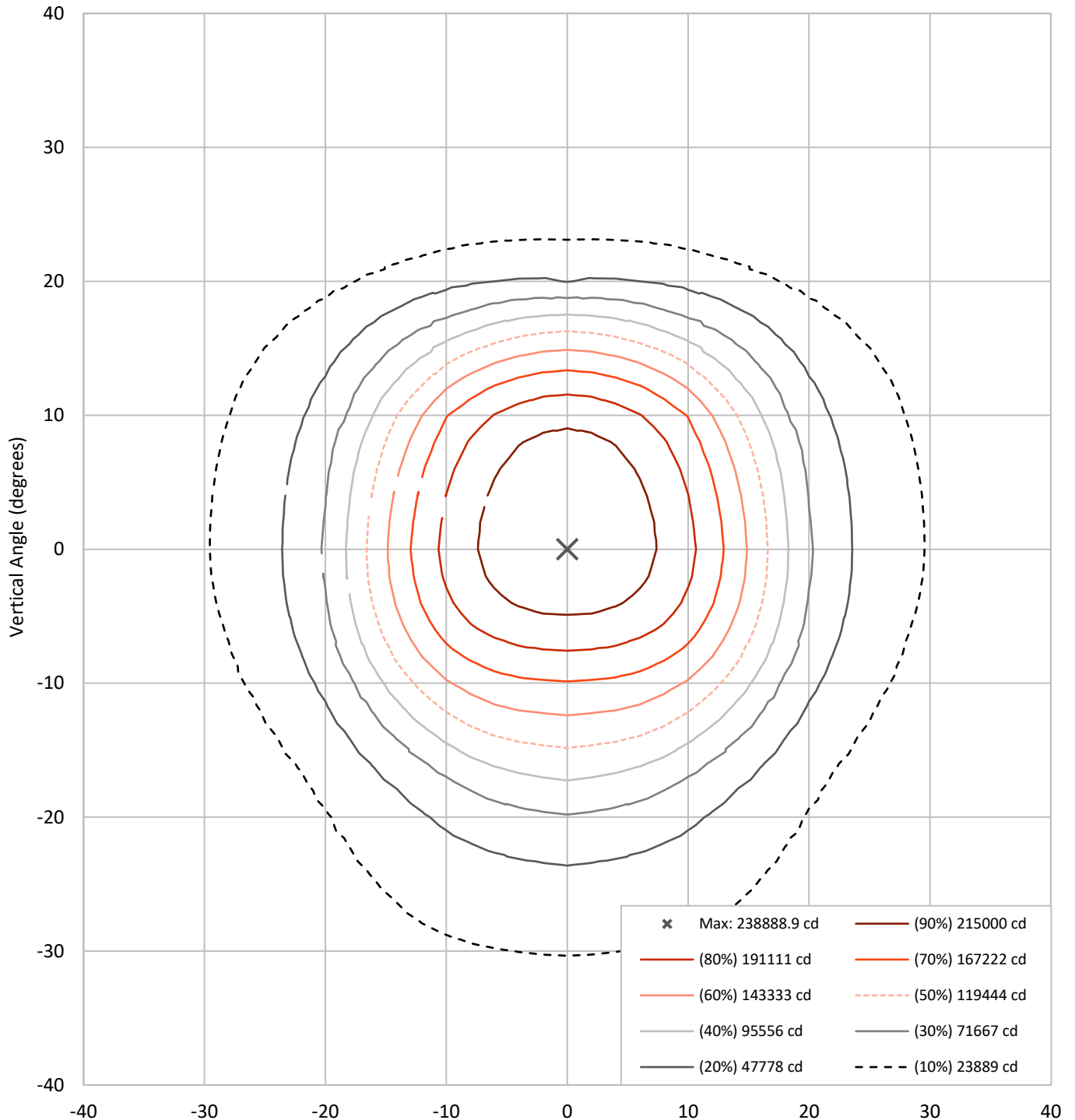
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	81394.4 lumens	Max Intensity:	238888.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	116.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.1°H x 31.1°V	Field Angle (10%):	59.1°H x 53.4°V
Beam Lumens:	44485.2 lumens	Field Lumens:	71680.1 lumens
Beam Efficiency:	54.7%	Field Efficiency:	88.1%

Input Watts (W): 697.2  
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

REPORT NUMBER: P731726 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV1

### Iso-Candela Plot





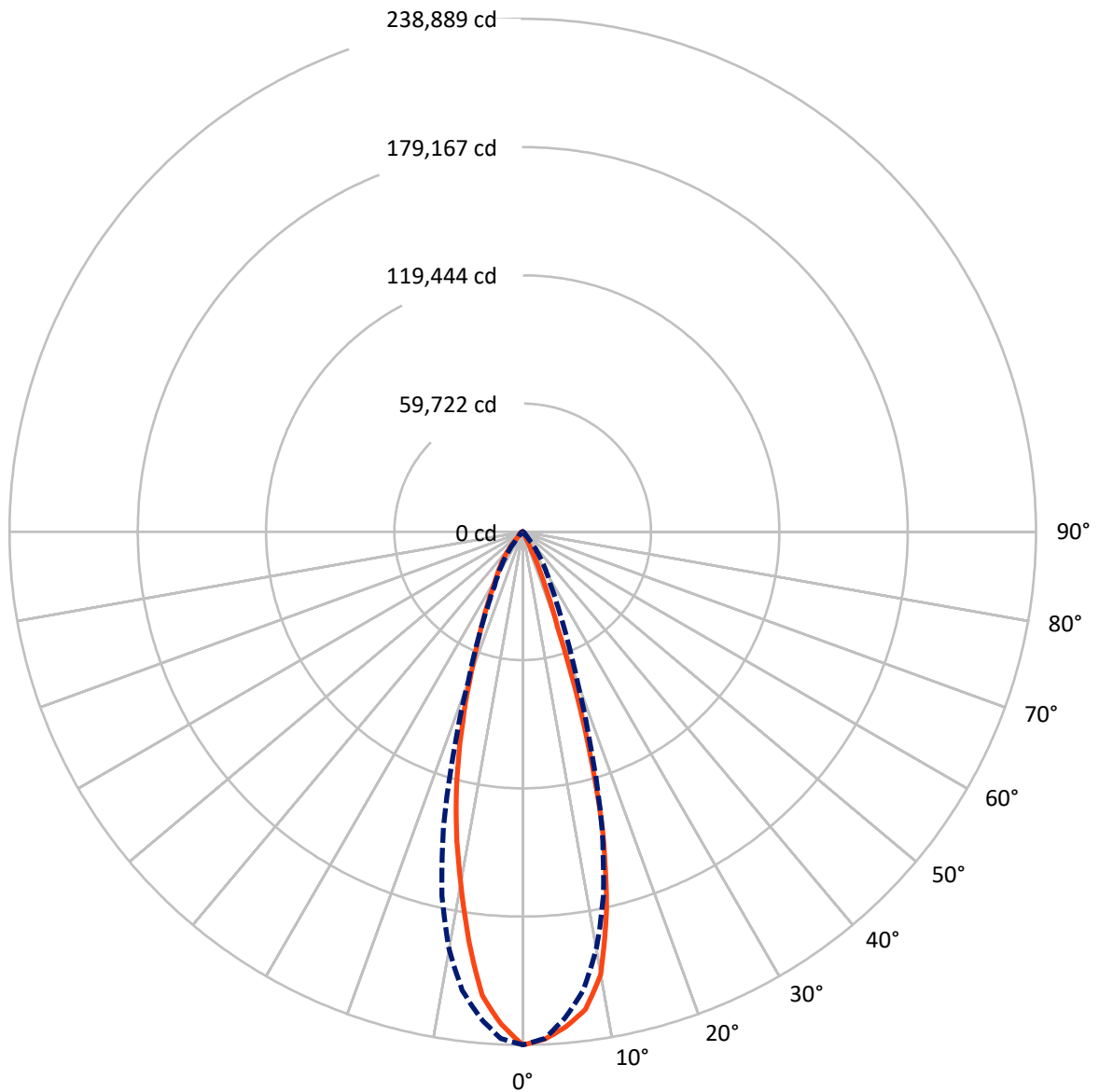
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### Lumen Table

90	0.1	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.1					
80	0.1	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.1					
70	0.1	0.1	0.1	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.1	0.1	0.1
60		0.1	0.3	0.8	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.8	0.8	0.3	0.1	
50	0.1	0.1	0.4	0.6	0.7	0.8	0.9	0.9	0.9	0.9	0.8	0.7	0.6	0.4	0.1	0.1
40		0.2	0.9	2.4	4.4	7.6	11.6	14.4	14.4	11.6	7.6	4.4	2.4	0.9	0.2	
30	0.1	0.4	4.0	12.2	48.3	150.9	302.1	490.5	490.5	302.1	150.9	48.3	12.2	4.0	0.4	0.1
20		1.2	9.0	29.5	199.7	682.0	2035.4	3794.7	3794.7	2035.4	682.0	199.7	29.5	9.0	1.2	
10	0.2	2.0	12.4	42.1	311.1	1108.1	3799.8	6508.3	6508.3	3799.8	1108.1	311.1	42.1	12.4	2.0	0.2
0		2.6	13.3	43.3	307.1	1068.9	3677.9	6058.1	6058.1	3677.9	1068.9	307.1	43.3	13.3	2.6	
-10	0.5	3.1	12.7	33.4	182.6	603.9	1856.0	3308.4	3308.4	1856.0	603.9	182.6	33.4	12.7	3.1	0.5
-20		3.1	12.2	25.8	86.0	327.4	754.2	1203.2	1203.2	754.2	327.4	86.0	25.8	12.2	3.1	
-30	0.4	2.6	11.0	22.0	42.4	121.6	304.5	462.6	462.6	304.5	121.6	42.4	22.0	11.0	2.6	0.4
-40		1.7	8.0	18.8	31.7	48.4	73.6	100.0	100.0	73.6	48.4	31.7	18.8	8.0	1.7	
-50	0.2	0.9	4.1	12.3	23.8	34.4	44.1	50.5	50.5	44.1	34.4	23.8	12.3	4.1	0.9	0.2
-60		0.3	1.4	4.4	9.6	16.0	22.5	26.1	26.1	22.5	16.0	9.6	4.4	1.4	0.3	
-70																
-80	0.1	0.7	3.0	7.6	10.2	7.6	3.0	0.7	0.1							
-90																

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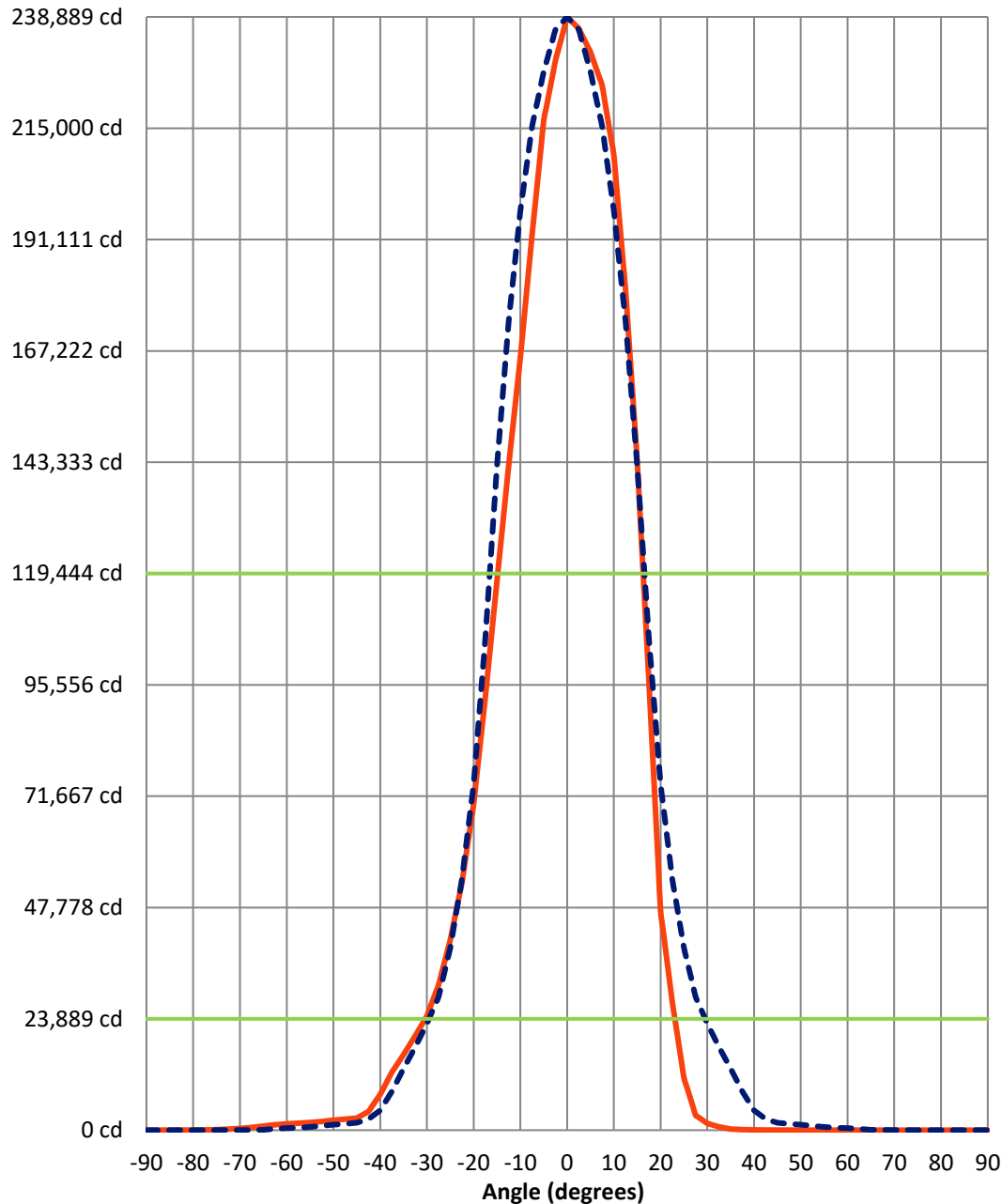
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 33.1°  
 V Angle: 31.1°  
 Lumens: 44485.2  
 Efficiency: 54.7%

**Field:**  
 H Angle: 59.1°  
 V Angle: 53.4°  
 Lumens: 71680.1  
 Efficiency: 88.1%

**Spill:**  
 Lumens: 9714.2  
 Efficiency: 11.9%

— 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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
87.5°	4.1	3.1	2.3	2.3	2.3	2.2	2.1	2.1	2.1	2.1	2.1
85°	4.1	3.2	2.5	2.5	2.4	2.3	2.1	2.1	2.1	2.1	2.1
82.5°	4.1	3.2	2.6	2.7	2.6	2.4	2.1	2.1	2.1	2.2	2.1
80°	4.1	3.3	2.8	2.9	2.8	2.6	2.2	2.4	2.5	2.4	2.1
77.5°	4.1	3.3	3.0	3.1	3.0	2.8	2.7	2.9	2.9	2.6	2.4
75°	4.1	3.4	3.2	3.3	3.2	3.1	3.2	3.4	3.3	3.1	3.2
72.5°	4.1	3.4	3.3	3.5	3.4	3.4	3.7	3.8	3.6	3.6	4.0
70°	4.1	3.5	3.5	3.7	3.5	3.7	4.1	3.9	3.9	4.1	4.1
67.5°	4.1	3.5	3.7	3.8	3.7	4.0	4.1	4.0	4.1	4.1	4.1
65°	4.1	3.6	3.8	3.8	3.8	4.1	4.1	4.1	4.1	4.1	4.1
62.5°	4.1	3.6	4.0	3.9	4.0	4.1	4.1	4.1	4.1	4.1	4.1
60°	4.1	3.7	4.1	3.9	4.1	4.1	4.1	4.1	4.1	4.1	4.1
57.5°	4.1	3.7	4.1	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1
55°	4.1	3.8	4.1	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1
52.5°	4.1	3.8	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
50°	4.1	3.8	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.4
47.5°	4.1	3.9	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.8
45°	4.1	3.9	4.1	4.1	4.1	4.1	4.1	4.1	4.2	5.3	8.1
42.5°	4.1	3.9	4.1	4.1	4.1	4.1	4.1	4.2	4.3	6.4	9.8
40°	4.1	3.9	4.1	4.1	4.1	4.1	4.1	4.3	4.8	7.6	11.5
37.5°	4.1	4.0	4.1	4.1	4.1	4.1	4.1	4.6	5.9	8.9	13.3
35°	4.1	4.0	4.1	4.1	4.1	4.1	4.1	4.8	6.9	10.5	14.8
32.5°	4.1	4.0	4.1	4.1	4.1	4.1	4.2	5.1	7.9	12.0	16.3
30°	4.1	4.0	4.1	4.1	4.1	4.1	4.4	5.5	8.8	13.5	18.2
27.5°	4.1	4.0	4.1	4.1	4.1	4.1	4.6	6.3	9.8	14.9	20.3
25°	4.1	4.1	4.1	4.1	4.1	4.1	4.9	7.0	10.9	16.4	22.7
22.5°	4.1	4.1	4.1	4.1	4.1	4.1	5.1	7.7	12.0	18.2	27.6
20°	4.1	4.1	4.1	4.1	4.1	4.3	5.4	8.3	13.0	20.1	32.8
17.5°	4.1	4.1	4.1	4.1	4.1	4.5	5.8	8.8	13.9	22.1	38.4
15°	4.1	4.1	4.1	4.1	4.1	4.7	6.2	9.5	14.7	24.0	44.2
12.5°	4.1	4.1	4.1	4.1	4.1	4.9	6.6	10.4	16.0	26.0	50.0
10°	4.1	4.1	4.1	4.1	4.1	5.2	7.0	11.3	17.9	29.5	56.1
7.5°	4.1	4.1	4.1	4.1	4.1	5.4	7.3	12.1	19.7	33.2	62.5
5°	4.1	4.1	4.1	4.1	4.1	5.7	7.7	13.0	21.5	36.8	68.4
2.5°	4.1	4.1	4.1	4.1	4.1	6.0	8.0	13.7	23.2	40.2	73.7
0°	4.1	4.1	4.1	4.1	4.1	6.2	8.3	14.4	24.8	43.3	78.4
-2.5°	4.1	4.1	4.1	4.1	4.3	6.9	10.2	18.3	33.3	58.5	101.1
-5°	4.1	4.1	4.1	4.1	4.5	7.5	12.1	21.9	41.4	73.0	122.6
-7.5°	4.1	4.1	4.1	4.1	4.6	8.1	13.8	25.4	49.0	86.4	142.6
-10°	4.1	4.1	4.1	4.1	4.8	8.6	15.4	28.6	55.7	98.6	160.7
-12.5°	4.1	4.1	4.1	4.1	4.9	9.1	16.8	31.3	61.4	109.0	176.6
-15°	4.1	4.1	4.1	4.1	5.0	9.4	17.9	33.7	66.1	117.0	189.8
-17.5°	4.1	4.1	4.1	4.1	5.1	9.7	18.8	35.9	69.6	123.0	199.5
-20°	4.1	4.1	4.1	4.1	5.2	9.8	19.6	37.8	71.9	126.8	205.4



REPORT NUMBER: P731726 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.1	4.1	4.1	4.1	5.2	9.9	20.3	39.1	72.7	128.2	207.3
-25°	4.1	4.1	4.1	4.1	5.2	9.9	20.7	39.6	71.9	126.9	204.7
-27.5°	4.1	4.1	4.1	4.1	5.2	9.9	20.6	39.4	69.5	124.1	202.9
-30°	4.1	4.1	4.1	4.1	5.1	9.7	20.0	38.4	67.9	121.2	197.7
-32.5°	4.1	4.1	4.1	4.1	5.2	9.3	19.0	37.5	66.6	116.0	188.7
-35°	4.1	4.1	4.1	4.1	5.2	8.8	18.3	36.2	64.1	108.4	176.1
-37.5°	4.1	4.1	4.1	4.1	5.2	8.3	17.5	34.3	60.5	98.5	160.5
-40°	4.1	4.1	4.1	4.1	5.1	8.3	16.5	31.6	55.7	91.4	144.7
-42.5°	4.1	4.1	4.1	4.1	5.2	8.2	15.2	28.3	51.2	83.4	126.7
-45°	4.1	4.1	4.1	4.2	5.3	8.0	13.5	25.2	46.5	74.2	107.8
-47.5°	4.1	4.1	4.1	4.2	5.3	7.8	11.6	22.8	40.9	64.1	96.3
-50°	4.1	4.1	4.1	4.2	5.3	7.6	11.0	20.1	33.8	55.8	83.8
-52.5°	4.1	4.1	4.1	4.3	5.2	7.3	10.6	17.0	28.6	46.6	70.5
-55°	4.1	4.1	4.1	4.3	5.2	7.1	10.2	13.9	24.2	36.5	58.7
-57.5°	4.1	4.1	4.1	4.3	5.0	6.8	9.6	13.2	19.7	30.0	45.8
-60°	4.1	4.1	4.1	4.3	4.9	6.5	9.0	12.3	15.7	24.6	34.5
-62.5°	4.1	4.1	4.1	4.2	4.8	6.1	8.4	11.4	14.5	18.9	28.1
-65°	4.1	4.1	4.1	4.2	4.7	5.7	7.7	10.4	13.2	16.4	21.4
-67.5°	4.1	4.1	4.1	4.2	4.6	5.3	7.0	9.3	11.8	14.7	17.9
-70°	4.1	4.1	4.1	4.1	4.4	5.1	6.1	8.3	10.6	12.9	15.8
-72.5°	4.1	4.1	4.1	4.1	4.3	4.8	5.6	7.2	9.4	11.5	13.7
-75°	4.1	4.1	4.1	4.1	4.1	4.5	5.2	6.5	8.1	10.1	12.1
-77.5°	4.1	4.1	4.1	4.1	4.1	4.2	4.7	5.8	7.2	8.7	10.5
-80°	4.1	4.1	4.1	4.1	4.1	4.1	4.2	5.1	6.2	7.5	8.9
-82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.5	5.2	6.2	7.2
-85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.4	4.8	5.3	5.9
-87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.3	4.5	4.7	5.0
-90°	4.1	3.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1





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 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.5	2.7	2.9
80°	2.1	2.1	2.2	2.1	2.3	2.6	3.1	3.7	4.0	4.1	4.1
77.5°	2.6	2.6	2.5	2.2	2.5	3.0	3.5	4.0	4.1	4.1	4.1
75°	3.3	3.2	2.8	2.3	2.4	2.9	3.4	3.9	4.1	4.1	4.1
72.5°	3.8	3.3	2.8	2.4	2.7	3.4	3.9	4.1	5.1	6.3	7.1
70°	3.9	3.4	3.2	3.3	3.7	4.5	6.4	8.6	10.8	11.7	12.5
67.5°	4.0	3.7	3.8	4.3	5.8	7.8	10.4	13.6	16.9	18.0	19.2
65°	4.1	4.0	4.6	6.0	8.1	11.2	14.7	18.5	24.1	27.0	28.3
62.5°	4.1	4.4	5.5	7.8	11.1	14.8	19.5	25.7	33.2	38.0	37.8
60°	4.1	4.6	6.9	10.3	14.1	18.5	24.6	33.2	43.8	51.3	46.2
57.5°	4.1	5.5	8.9	12.6	16.8	21.7	30.2	40.7	50.4	60.6	51.9
55°	4.7	7.1	10.7	14.7	19.6	25.6	33.8	42.1	52.7	56.5	47.3
52.5°	6.3	8.7	12.3	17.0	22.9	27.6	32.2	39.5	43.6	45.4	38.9
50°	7.9	10.5	13.8	19.5	24.6	27.3	27.9	32.5	34.4	32.7	29.7
47.5°	9.6	12.3	15.7	21.4	24.8	26.1	25.1	26.0	25.8	25.5	21.5
45°	11.4	14.5	18.2	22.0	24.6	24.3	23.9	20.9	23.8	23.0	21.1
42.5°	13.3	16.7	20.3	22.9	23.5	24.8	24.6	25.5	25.6	26.8	28.9
40°	15.1	18.7	22.8	24.6	24.0	27.8	33.3	36.2	32.5	39.2	45.0
37.5°	16.7	21.2	26.6	30.7	28.4	36.7	45.8	60.4	62.4	58.0	74.0
35°	18.1	24.1	35.2	45.0	47.5	51.4	76.8	100.0	114.3	105.9	118.1
32.5°	20.3	27.3	47.1	68.4	85.4	90.2	116.9	165.4	193.7	198.6	190.5
30°	23.8	38.4	64.8	98.0	135.9	169.9	193.3	248.8	295.1	345.6	375.6
27.5°	29.1	52.7	93.2	144.6	201.8	265.3	318.0	360.8	445.6	531.5	605.4
25°	35.3	81.9	125.7	203.0	293.8	381.4	454.8	520.5	632.0	766.1	990.5
22.5°	50.5	119.4	179.9	268.6	396.1	507.0	606.1	708.1	844.2	1024.9	1494.2
20°	77.9	166.1	241.8	336.2	501.6	637.9	763.6	892.0	1062.6	1441.0	2470.6
17.5°	109.3	215.0	301.3	410.7	580.3	753.7	926.2	1067.4	1274.2	1832.6	3545.6
15°	143.9	265.2	355.0	478.8	654.8	843.5	1036.2	1238.5	1553.6	2354.5	4566.0
12.5°	180.5	316.1	403.5	540.6	724.8	928.9	1124.5	1343.5	1806.0	3146.3	5864.3
10°	217.8	366.7	447.2	596.2	789.7	1009.1	1203.3	1432.0	2003.6	3653.1	6771.0
7.5°	241.6	402.5	482.8	645.7	849.1	1083.1	1273.0	1504.9	2171.1	3974.8	7404.6
5°	259.6	420.9	494.6	668.0	888.1	1137.1	1327.0	1563.4	2306.1	4132.1	7842.6
2.5°	273.4	435.2	504.2	681.3	911.9	1162.2	1343.1	1585.4	2361.9	4227.2	8146.0
0°	282.7	445.6	511.7	689.1	928.4	1178.1	1351.4	1596.9	2370.6	4254.3	8294.0
-2.5°	298.2	453.8	527.1	703.0	937.1	1183.1	1358.3	1605.9	2405.2	4381.5	8520.0
-5°	309.5	458.6	540.2	711.6	938.4	1179.5	1358.3	1603.8	2385.2	4337.3	8234.8
-7.5°	317.2	460.6	550.5	714.5	926.0	1153.6	1330.7	1558.0	2260.0	4058.3	7460.3
-10°	322.8	467.3	563.5	710.1	898.6	1111.6	1291.6	1502.5	2098.8	3666.4	6563.0
-12.5°	331.5	478.3	576.3	703.8	869.9	1063.4	1246.3	1438.1	1903.4	3161.7	5548.5
-15°	335.8	487.4	588.1	696.3	841.7	1009.9	1195.0	1365.4	1684.3	2552.6	4422.4
-17.5°	335.9	494.9	599.3	688.8	815.7	951.8	1143.6	1312.7	1529.9	2178.1	3637.4
-20°	331.7	501.2	610.1	682.1	794.1	915.8	1101.7	1275.5	1466.8	1897.7	2858.6



REPORT NUMBER: P731726 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	323.2	506.6	617.1	687.5	786.3	900.8	1053.7	1231.1	1401.2	1598.2	2264.0
-25°	317.5	493.1	618.0	693.0	778.0	884.9	1002.0	1178.8	1339.9	1529.6	1950.8
-27.5°	313.8	474.4	606.8	694.3	767.7	869.3	972.2	1117.3	1293.1	1469.3	1661.9
-30°	304.1	440.5	591.1	687.9	763.5	855.0	951.9	1061.2	1239.2	1410.0	1587.4
-32.5°	284.7	405.0	556.2	667.2	756.6	839.1	931.4	1029.8	1170.6	1346.8	1509.7
-35°	262.4	377.4	513.3	641.2	743.2	823.5	907.8	1000.7	1104.4	1264.4	1445.6
-37.5°	241.5	345.3	469.2	602.9	710.0	807.1	880.6	968.7	1065.1	1175.5	1356.4
-40°	216.8	308.8	427.8	553.7	673.8	780.3	863.1	933.7	1022.7	1135.0	1247.3
-42.5°	189.3	277.2	383.1	503.1	622.0	735.6	842.7	911.7	990.3	1095.0	1202.4
-45°	166.6	241.5	335.3	446.4	560.9	679.4	788.3	895.9	971.2	1055.2	1157.2
-47.5°	141.3	204.6	290.5	385.2	494.3	606.9	723.6	835.4	950.4	1030.8	1110.8
-50°	116.9	173.2	240.8	327.8	422.9	529.1	638.8	761.6	877.4	989.5	1082.3
-52.5°	101.5	138.8	199.5	269.8	354.4	446.7	551.5	664.9	784.3	903.4	1005.3
-55°	85.0	116.4	158.1	218.2	287.3	368.4	458.4	562.3	670.6	784.6	892.5
-57.5°	69.0	96.2	127.1	169.2	227.7	291.5	369.6	455.2	552.4	653.4	743.6
-60°	52.9	76.0	102.6	133.1	170.3	225.0	281.0	351.7	432.6	514.1	592.8
-62.5°	37.6	56.4	78.6	103.7	133.0	162.7	207.4	259.1	312.8	378.9	444.1
-65°	30.1	39.0	55.5	76.5	98.8	124.4	151.0	178.2	222.0	265.7	307.6
-67.5°	22.2	30.1	38.5	49.5	68.5	87.6	108.3	131.9	155.8	178.1	204.8
-70°	18.8	21.7	28.0	35.7	43.1	52.2	68.8	86.6	105.0	122.6	141.2
-72.5°	16.2	18.9	21.5	24.1	30.0	35.6	40.8	45.6	56.2	70.7	84.9
-75°	13.9	16.0	18.4	20.8	22.7	24.4	26.7	31.2	35.6	39.9	43.8
-77.5°	11.7	13.2	15.0	17.1	18.8	20.0	21.3	22.8	24.7	26.9	29.2
-80°	9.6	10.3	11.3	12.6	14.1	15.4	16.5	17.5	18.6	20.0	21.6
-82.5°	7.8	8.2	8.7	9.1	10.0	10.9	12.0	13.1	13.8	14.5	15.3
-85°	6.0	6.2	6.5	6.8	7.2	7.7	8.2	8.8	9.4	10.0	10.5
-87.5°	5.1	5.1	5.2	5.3	5.4	5.4	5.5	5.6	6.0	6.5	7.0
-90°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1



REPORT NUMBER: P731726 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.1	4.6	5.2	5.7	6.2	6.7	7.3	7.8	8.3	8.3	8.3
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	3.0	2.9	2.7	2.5	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	4.1	3.8	3.6	3.4	3.4	3.2	2.9	2.5	2.1	2.1	2.1
77.5°	4.1	4.1	4.1	4.1	4.1	3.7	3.2	2.7	2.2	2.1	2.1
75°	4.1	4.3	4.5	4.5	4.2	3.9	3.8	3.7	3.7	3.5	3.1
72.5°	7.4	7.3	7.0	6.9	6.6	6.6	6.7	6.4	5.9	5.8	5.9
70°	13.2	13.6	13.6	13.1	11.8	10.6	9.8	8.9	8.1	7.6	7.2
67.5°	20.3	20.5	19.4	17.6	14.7	12.1	11.0	9.9	8.8	8.5	8.9
65°	28.2	25.7	22.6	19.2	15.6	12.2	11.3	10.6	10.0	10.1	10.8
62.5°	34.8	28.1	22.6	18.7	15.3	12.2	11.2	10.3	9.5	8.9	8.8
60°	38.5	28.3	20.3	16.8	13.7	10.8	9.5	8.9	8.5	8.3	8.3
57.5°	38.6	26.7	17.7	14.5	11.7	9.2	8.3	8.3	8.3	8.3	8.3
55°	34.3	23.3	15.1	12.5	10.6	9.1	8.4	8.6	8.6	8.3	8.7
52.5°	26.8	19.3	14.1	11.7	10.9	10.4	10.1	10.0	9.9	9.6	9.9
50°	21.3	16.0	13.6	12.2	12.1	12.2	12.2	12.4	12.6	12.8	12.9
47.5°	17.8	15.0	15.3	14.1	14.6	15.9	16.2	16.4	17.0	17.1	16.7
45°	18.3	21.3	21.9	21.6	21.3	24.2	24.1	22.1	24.7	25.5	24.9
42.5°	30.4	32.9	34.6	36.1	37.9	40.2	41.4	40.7	43.1	43.1	40.3
40°	51.3	48.9	52.7	57.4	61.6	63.2	67.1	71.1	72.6	71.8	69.1
37.5°	84.1	80.4	80.8	91.3	100.9	89.5	106.3	113.0	108.8	123.8	126.8
35°	139.6	154.5	133.1	170.7	189.4	180.3	200.4	240.1	209.3	265.6	279.4
32.5°	248.3	283.8	306.0	337.8	384.6	446.0	461.5	559.4	590.8	636.2	685.1
30°	405.8	506.0	690.6	725.0	769.5	981.3	1039.5	1092.7	1204.3	1290.2	1436.3
27.5°	737.3	1007.5	1393.5	1733.3	1708.4	2066.7	2465.4	2018.9	2681.4	2415.6	3051.1
25°	1380.7	1976.5	2907.0	3807.4	4237.1	4967.2	5880.4	5707.5	6912.3	6995.9	8772.9
22.5°	2626.0	3920.4	5343.2	6873.9	8358.8	10002.0	11581.1	13236.5	15725.3	19163.9	22505.9
20°	4296.5	6199.5	8497.8	10867.8	13381.0	15936.6	18905.8	23933.9	29089.3	36245.4	41300.9
17.5°	6106.6	9135.5	11956.7	14893.1	18406.7	22654.6	28796.4	37387.8	47808.8	58506.1	66781.5
15°	7687.8	11114.3	15180.8	19095.5	23464.5	29841.0	39487.2	52212.9	67710.2	83972.3	103637.2
12.5°	9217.7	12796.8	17215.9	22167.5	28104.6	37231.1	49735.0	66932.4	87462.6	111899.7	137156.8
10°	10404.9	14332.1	19250.6	24826.8	32073.3	43282.6	57812.9	78116.8	108539.3	137387.1	166229.1
7.5°	11332.7	15750.6	20960.5	26812.9	35250.5	47872.1	65256.5	90815.4	122959.3	154171.7	180737.3
5°	12157.3	16917.0	22119.0	27932.3	37537.7	51211.5	69932.0	99121.4	133423.2	164099.0	189378.3
2.5°	12806.9	17679.6	22755.4	28492.9	39010.1	53054.9	72397.7	103578.8	140168.0	170453.1	194591.4
0°	13200.2	17815.5	22862.0	28612.1	39121.9	53890.1	74321.8	105529.4	142573.7	173562.5	197303.5
-2.5°	13059.3	17511.0	22516.1	28262.1	38752.9	53107.4	72774.2	104541.0	140535.1	169528.1	193405.2
-5°	12357.3	16514.3	21162.1	26568.3	36305.1	50133.7	68387.0	97354.9	131187.8	160131.6	182600.1
-7.5°	11250.5	15121.6	19388.6	24393.6	32813.6	45309.5	61943.0	86594.5	117308.1	144014.4	164291.0
-10°	10012.3	13506.9	17203.9	21636.9	28218.5	38825.4	52715.6	71538.8	97880.1	121892.3	141064.1
-12.5°	8524.0	11431.4	14539.1	18362.1	23350.5	31997.7	43676.0	58945.4	77260.5	98628.1	116082.1
-15°	6977.2	9421.4	11993.8	15579.7	19834.2	25342.5	33736.9	45876.0	59470.9	74065.3	89901.6
-17.5°	5602.9	7672.3	10399.7	13420.0	16662.6	20495.7	27436.5	35709.3	45548.0	55957.8	65515.4
-20°	4500.8	6695.6	9145.8	11772.4	14751.8	18437.7	22701.5	28986.7	36282.9	44273.9	51930.2



REPORT NUMBER: P731726 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3702.5	5670.8	7946.0	10409.8	13424.0	16742.2	20195.3	24139.8	29375.8	35519.5	41401.2
-25°	2820.0	4464.8	6671.9	9156.7	11933.4	14859.6	17662.5	20878.0	24705.8	28703.2	32821.8
-27.5°	2235.3	3396.3	5208.5	7542.0	10111.3	12402.3	14803.7	17481.2	20828.6	24306.4	26598.0
-30°	1824.4	2504.2	3864.5	5687.6	7835.0	9856.8	11828.5	14234.8	16862.6	19358.7	21384.5
-32.5°	1704.3	2008.4	2712.3	4011.6	5624.4	7429.0	9199.0	11347.0	13386.6	15361.8	17103.6
-35°	1619.5	1814.0	2079.5	2757.3	3728.7	5195.3	6812.5	8630.2	10471.0	12066.6	13543.9
-37.5°	1540.5	1709.3	1885.0	2059.9	2606.8	3278.0	4417.0	5854.7	7251.1	8542.2	9813.9
-40°	1427.8	1612.7	1754.7	1904.2	2066.9	2251.7	2847.7	3435.2	4118.8	5109.0	5976.5
-42.5°	1308.2	1462.3	1624.0	1764.0	1900.0	2042.0	2192.3	2341.6	2654.1	3042.6	3360.8
-45°	1258.2	1350.9	1462.1	1608.2	1745.0	1872.5	1994.7	2112.9	2237.8	2351.9	2445.0
-47.5°	1198.4	1282.8	1372.7	1468.0	1568.4	1691.5	1812.5	1932.8	2042.0	2143.6	2224.6
-50°	1143.2	1209.4	1289.8	1370.9	1451.1	1533.8	1617.2	1710.1	1814.5	1917.3	2001.8
-52.5°	1098.1	1158.7	1216.2	1273.7	1343.5	1413.5	1483.7	1557.6	1628.8	1696.3	1748.8
-55°	988.4	1073.8	1157.9	1212.2	1259.2	1306.9	1360.0	1426.3	1489.5	1549.3	1584.5
-57.5°	839.1	938.1	1029.0	1093.0	1158.6	1224.9	1279.8	1327.1	1374.9	1420.6	1445.5
-60°	673.0	754.3	836.6	913.0	985.9	1054.7	1118.6	1180.8	1238.4	1286.9	1316.2
-62.5°	508.7	576.2	643.0	706.8	768.2	828.1	896.1	961.7	1024.2	1075.1	1106.5
-65°	354.1	409.5	461.3	511.0	558.6	609.5	662.5	713.9	763.3	802.5	828.3
-67.5°	240.8	274.9	305.8	335.4	371.6	410.8	449.6	485.7	518.9	544.3	562.4
-70°	160.0	178.2	194.5	213.6	237.3	261.2	285.2	307.5	327.9	343.1	354.5
-72.5°	98.5	111.1	122.9	135.7	147.8	160.3	173.4	186.2	198.5	207.4	214.2
-75°	47.4	53.2	63.6	73.1	81.6	89.6	96.8	103.2	108.6	112.1	114.4
-77.5°	32.2	34.9	37.5	40.1	42.7	45.9	49.2	52.3	55.3	57.6	59.7
-80°	23.3	24.7	25.9	26.9	27.8	29.2	30.6	32.1	33.6	34.2	34.5
-82.5°	16.1	17.2	18.3	19.3	20.3	21.3	22.2	23.1	23.9	24.7	25.4
-85°	10.9	11.4	12.0	12.6	13.2	14.0	14.7	15.4	16.1	16.2	16.3
-87.5°	7.5	7.7	7.9	8.0	8.1	8.6	9.2	9.7	10.2	10.3	10.3
-90°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.6	1.1



REPORT NUMBER: P731726 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.8
87.5°	2.1	2.1	1.0	0.0	1.0	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.5
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.7
75°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.5	3.7	3.7
72.5°	6.0	6.1	5.2	4.1	5.2	6.1	6.0	5.9	5.8	5.9	6.4
70°	6.8	6.3	6.2	6.2	6.2	6.3	6.8	7.2	7.6	8.1	8.9
67.5°	9.4	10.1	10.3	10.3	10.3	10.1	9.4	8.9	8.5	8.8	9.9
65°	11.5	12.2	11.4	10.3	11.4	12.2	11.5	10.8	10.1	10.0	10.6
62.5°	8.6	8.5	8.3	8.3	8.3	8.5	8.6	8.8	8.9	9.5	10.3
60°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.5	8.9
57.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
55°	9.3	10.0	10.3	10.3	10.3	10.0	9.3	8.7	8.3	8.6	8.6
52.5°	10.2	10.3	10.3	10.3	10.3	10.3	10.2	9.9	9.6	9.9	10.0
50°	12.8	12.5	12.4	12.4	12.4	12.5	12.8	12.9	12.8	12.6	12.4
47.5°	16.0	15.0	14.4	14.4	14.4	15.0	16.0	16.7	17.1	17.0	16.4
45°	25.1	24.7	24.6	24.8	24.6	24.7	25.1	24.9	25.5	24.7	22.1
42.5°	41.9	42.5	41.8	39.2	41.8	42.5	41.9	40.3	43.1	43.1	40.7
40°	69.2	66.5	63.0	61.9	63.0	66.5	69.2	69.1	71.8	72.6	71.1
37.5°	128.4	128.3	125.4	123.8	125.4	128.3	128.4	126.8	123.8	108.8	113.0
35°	270.1	268.0	253.3	239.3	253.3	268.0	270.1	279.4	265.6	209.3	240.1
32.5°	701.6	738.7	735.3	713.9	735.3	738.7	701.6	685.1	636.2	590.8	559.4
30°	1492.4	1559.1	1545.1	1456.6	1545.1	1559.1	1492.4	1436.3	1290.2	1204.3	1092.7
27.5°	3084.8	3240.8	3378.1	3197.9	3378.1	3240.8	3084.8	3051.1	2415.6	2681.4	2018.9
25°	10551.9	11566.6	12167.0	11234.0	12167.0	11566.6	10551.9	8772.9	6995.9	6912.3	5707.5
22.5°	25183.2	26447.8	27122.6	27508.3	27122.6	26447.8	25183.2	22505.9	19163.9	15725.3	13236.5
20°	46194.6	48898.7	50630.9	47141.5	50630.9	48898.7	46194.6	41300.9	36245.4	29089.3	23933.9
17.5°	78261.6	88234.5	93485.2	96337.9	93485.2	88234.5	78261.6	66781.5	58506.1	47808.8	37387.8
15°	118813.5	131573.6	140190.4	143564.0	140190.4	131573.6	118813.5	103637.2	83972.3	67710.2	52212.9
12.5°	157155.7	170322.3	178272.6	180271.0	178272.6	170322.3	157155.7	137156.8	111899.7	87462.6	66932.4
10°	184427.4	196833.3	205978.9	209189.5	205978.9	196833.3	184427.4	166229.1	137387.1	108539.3	78116.8
7.5°	199609.6	214111.3	222171.8	224178.5	222171.8	214111.3	199609.6	180737.3	154171.7	122959.3	90815.4
5°	208347.3	221449.9	230261.0	231329.4	230261.0	221449.9	208347.3	189378.3	164099.0	133423.2	99121.4
2.5°	213981.1	226795.1	234208.5	236387.3	234208.5	226795.1	213981.1	194591.4	170453.1	140168.0	103578.8
0°	215363.6	227145.3	236101.5	238888.9	236101.5	227145.3	215363.6	197303.5	173562.5	142573.7	105529.4
-2.5°	211177.7	222543.4	228509.4	229476.7	228509.4	222543.4	211177.7	193405.2	169528.1	140535.1	104541.0
-5°	200488.3	208894.1	215781.3	216662.3	215781.3	208894.1	200488.3	182600.1	160131.6	131187.8	97354.9
-7.5°	177782.2	187211.6	191020.8	192051.8	191020.8	187211.6	177782.2	164291.0	144014.4	117308.1	86594.5
-10°	153623.2	161701.3	164399.9	165856.6	164399.9	161701.3	153623.2	141064.1	121892.3	97880.1	71538.8
-12.5°	129971.6	137870.6	140524.9	142633.5	140524.9	137870.6	129971.6	116082.1	98628.1	77260.5	58945.4
-15°	103471.7	111250.3	115538.6	117912.5	115538.6	111250.3	103471.7	89901.6	74065.3	59470.9	45876.0
-17.5°	77644.9	85032.2	90023.3	92927.5	90023.3	85032.2	77644.9	65515.4	55957.8	45548.0	35709.3
-20°	58873.3	63872.9	67713.9	69993.2	67713.9	63872.9	58873.3	51930.2	44273.9	36282.9	28986.7



REPORT NUMBER: P731726 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	45988.8	49451.6	51676.7	53133.0	51676.7	49451.6	45988.8	41401.2	35519.5	29375.8	24139.8
-25°	35943.0	38215.6	39654.6	40832.3	39654.6	38215.6	35943.0	32821.8	28703.2	24705.8	20878.0
-27.5°	28459.3	29677.7	30313.8	31178.7	30313.8	29677.7	28459.3	26598.0	24306.4	20828.6	17481.2
-30°	22878.3	23813.4	24318.9	24506.4	24318.9	23813.4	22878.3	21384.5	19358.7	16862.6	14234.8
-32.5°	18413.3	19296.5	19934.5	20233.6	19934.5	19296.5	18413.3	17103.6	15361.8	13386.6	11347.0
-35°	14690.2	15427.1	15930.0	16206.2	15930.0	15427.1	14690.2	13543.9	12066.6	10471.0	8630.2
-37.5°	10866.9	11675.4	12228.9	12418.3	12228.9	11675.4	10866.9	9813.9	8542.2	7251.1	5854.7
-40°	6667.2	7182.3	7514.7	7654.4	7514.7	7182.3	6667.2	5976.5	5109.0	4118.8	3435.2
-42.5°	3608.9	3798.0	3929.2	4004.6	3929.2	3798.0	3608.9	3360.8	3042.6	2654.1	2341.6
-45°	2505.2	2553.1	2583.4	2595.5	2583.4	2553.1	2505.2	2445.0	2351.9	2237.8	2112.9
-47.5°	2283.8	2335.5	2363.0	2364.4	2363.0	2335.5	2283.8	2224.6	2143.6	2042.0	1932.8
-50°	2068.6	2124.9	2153.3	2156.0	2153.3	2124.9	2068.6	2001.8	1917.3	1814.5	1710.1
-52.5°	1796.7	1841.3	1860.6	1858.9	1860.6	1841.3	1796.7	1748.8	1696.3	1628.8	1557.6
-55°	1615.1	1641.7	1653.5	1654.7	1653.5	1641.7	1615.1	1584.5	1549.3	1489.5	1426.3
-57.5°	1467.9	1487.6	1494.5	1493.7	1494.5	1487.6	1467.9	1445.5	1420.6	1374.9	1327.1
-60°	1341.8	1363.2	1369.1	1365.8	1369.1	1363.2	1341.8	1316.2	1286.9	1238.4	1180.8
-62.5°	1132.1	1151.7	1161.5	1163.6	1161.5	1151.7	1132.1	1106.5	1075.1	1024.2	961.7
-65°	848.5	863.3	871.0	872.7	871.0	863.3	848.5	828.3	802.5	763.3	713.9
-67.5°	576.3	586.3	589.4	588.0	589.4	586.3	576.3	562.4	544.3	518.9	485.7
-70°	363.7	370.7	372.4	371.4	372.4	370.7	363.7	354.5	343.1	327.9	307.5
-72.5°	219.7	223.9	224.2	222.8	224.2	223.9	219.7	214.2	207.4	198.5	186.2
-75°	115.8	116.4	116.3	115.5	116.3	116.4	115.8	114.4	112.1	108.6	103.2
-77.5°	61.7	63.4	62.8	61.9	62.8	63.4	61.7	59.7	57.6	55.3	52.3
-80°	34.8	35.0	35.1	35.1	35.1	35.0	34.8	34.5	34.2	33.6	32.1
-82.5°	26.0	26.7	25.8	24.8	25.8	26.7	26.0	25.4	24.7	23.9	23.1
-85°	16.4	16.5	16.5	16.5	16.5	16.5	16.4	16.3	16.2	16.1	15.4
-87.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.2	9.7
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.1



REPORT NUMBER: P731726 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.3	6.7	6.2	5.7	5.2	4.6	4.1	4.1	4.1	4.1	4.1
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.5	2.7	2.9	3.0	2.9	2.7	2.5	2.3
80°	2.9	3.2	3.4	3.4	3.6	3.8	4.1	4.1	4.1	4.0	3.7
77.5°	3.2	3.7	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0
75°	3.8	3.9	4.2	4.5	4.5	4.3	4.1	4.1	4.1	4.1	3.9
72.5°	6.7	6.6	6.6	6.9	7.0	7.3	7.4	7.1	6.3	5.1	4.1
70°	9.8	10.6	11.8	13.1	13.6	13.6	13.2	12.5	11.7	10.8	8.6
67.5°	11.0	12.1	14.7	17.6	19.4	20.5	20.3	19.2	18.0	16.9	13.6
65°	11.3	12.2	15.6	19.2	22.6	25.7	28.2	28.3	27.0	24.1	18.5
62.5°	11.2	12.2	15.3	18.7	22.6	28.1	34.8	37.8	38.0	33.2	25.7
60°	9.5	10.8	13.7	16.8	20.3	28.3	38.5	46.2	51.3	43.8	33.2
57.5°	8.3	9.2	11.7	14.5	17.7	26.7	38.6	51.9	60.6	50.4	40.7
55°	8.4	9.1	10.6	12.5	15.1	23.3	34.3	47.3	56.5	52.7	42.1
52.5°	10.1	10.4	10.9	11.7	14.1	19.3	26.8	38.9	45.4	43.6	39.5
50°	12.2	12.2	12.1	12.2	13.6	16.0	21.3	29.7	32.7	34.4	32.5
47.5°	16.2	15.9	14.6	14.1	15.3	15.0	17.8	21.5	25.5	25.8	26.0
45°	24.1	24.2	21.3	21.6	21.9	21.3	18.3	21.1	23.0	23.8	20.9
42.5°	41.4	40.2	37.9	36.1	34.6	32.9	30.4	28.9	26.8	25.6	25.5
40°	67.1	63.2	61.6	57.4	52.7	48.9	51.3	45.0	39.2	32.5	36.2
37.5°	106.3	89.5	100.9	91.3	80.8	80.4	84.1	74.0	58.0	62.4	60.4
35°	200.4	180.3	189.4	170.7	133.1	154.5	139.6	118.1	105.9	114.3	100.0
32.5°	461.5	446.0	384.6	337.8	306.0	283.8	248.3	190.5	198.6	193.7	165.4
30°	1039.5	981.3	769.5	725.0	690.6	506.0	405.8	375.6	345.6	295.1	248.8
27.5°	2465.4	2066.7	1708.4	1733.3	1393.5	1007.5	737.3	605.4	531.5	445.6	360.8
25°	5880.4	4967.2	4237.1	3807.4	2907.0	1976.5	1380.7	990.5	766.1	632.0	520.5
22.5°	11581.1	10002.0	8358.8	6873.9	5343.2	3920.4	2626.0	1494.2	1024.9	844.2	708.1
20°	18905.8	15936.6	13381.0	10867.8	8497.8	6199.5	4296.5	2470.6	1441.0	1062.6	892.0
17.5°	28796.4	22654.6	18406.7	14893.1	11956.7	9135.5	6106.6	3545.6	1832.6	1274.2	1067.4
15°	39487.2	29841.0	23464.5	19095.5	15180.8	11114.3	7687.8	4566.0	2354.5	1553.6	1238.5
12.5°	49735.0	37231.1	28104.6	22167.5	17215.9	12796.8	9217.7	5864.3	3146.3	1806.0	1343.5
10°	57812.9	43282.6	32073.3	24826.8	19250.6	14332.1	10404.9	6771.0	3653.1	2003.6	1432.0
7.5°	65256.5	47872.1	35250.5	26812.9	20960.5	15750.6	11332.7	7404.6	3974.8	2171.1	1504.9
5°	69932.0	51211.5	37537.7	27932.3	22119.0	16917.0	12157.3	7842.6	4132.1	2306.1	1563.4
2.5°	72397.7	53054.9	39010.1	28492.9	22755.4	17679.6	12806.9	8146.0	4227.2	2361.9	1585.4
0°	74321.8	53890.1	39121.9	28612.1	22862.0	17815.5	13200.2	8294.0	4254.3	2370.6	1596.9
-2.5°	72774.2	53107.4	38752.9	28262.1	22516.1	17511.0	13059.3	8520.0	4381.5	2405.2	1605.9
-5°	68387.0	50133.7	36305.1	26568.3	21162.1	16514.3	12357.3	8234.8	4337.3	2385.2	1603.8
-7.5°	61943.0	45309.5	32813.6	24393.6	19388.6	15121.6	11250.5	7460.3	4058.3	2260.0	1558.0
-10°	52715.6	38825.4	28218.5	21636.9	17203.9	13506.9	10012.3	6563.0	3666.4	2098.8	1502.5
-12.5°	43676.0	31997.7	23350.5	18362.1	14539.1	11431.4	8524.0	5548.5	3161.7	1903.4	1438.1
-15°	33736.9	25342.5	19834.2	15579.7	11993.8	9421.4	6977.2	4422.4	2552.6	1684.3	1365.4
-17.5°	27436.5	20495.7	16662.6	13420.0	10399.7	7672.3	5602.9	3637.4	2178.1	1529.9	1312.7
-20°	22701.5	18437.7	14751.8	11772.4	9145.8	6695.6	4500.8	2858.6	1897.7	1466.8	1275.5



REPORT NUMBER: P731726 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	20195.3	16742.2	13424.0	10409.8	7946.0	5670.8	3702.5	2264.0	1598.2	1401.2	1231.1
-25°	17662.5	14859.6	11933.4	9156.7	6671.9	4464.8	2820.0	1950.8	1529.6	1339.9	1178.8
-27.5°	14803.7	12402.3	10111.3	7542.0	5208.5	3396.3	2235.3	1661.9	1469.3	1293.1	1117.3
-30°	11828.5	9856.8	7835.0	5687.6	3864.5	2504.2	1824.4	1587.4	1410.0	1239.2	1061.2
-32.5°	9199.0	7429.0	5624.4	4011.6	2712.3	2008.4	1704.3	1509.7	1346.8	1170.6	1029.8
-35°	6812.5	5195.3	3728.7	2757.3	2079.5	1814.0	1619.5	1445.6	1264.4	1104.4	1000.7
-37.5°	4417.0	3278.0	2606.8	2059.9	1885.0	1709.3	1540.5	1356.4	1175.5	1065.1	968.7
-40°	2847.7	2251.7	2066.9	1904.2	1754.7	1612.7	1427.8	1247.3	1135.0	1022.7	933.7
-42.5°	2192.3	2042.0	1900.0	1764.0	1624.0	1462.3	1308.2	1202.4	1095.0	990.3	911.7
-45°	1994.7	1872.5	1745.0	1608.2	1462.1	1350.9	1258.2	1157.2	1055.2	971.2	895.9
-47.5°	1812.5	1691.5	1568.4	1468.0	1372.7	1282.8	1198.4	1110.8	1030.8	950.4	835.4
-50°	1617.2	1533.8	1451.1	1370.9	1289.8	1209.4	1143.2	1082.3	989.5	877.4	761.6
-52.5°	1483.7	1413.5	1343.5	1273.7	1216.2	1158.7	1098.1	1005.3	903.4	784.3	664.9
-55°	1360.0	1306.9	1259.2	1212.2	1157.9	1073.8	988.4	892.5	784.6	670.6	562.3
-57.5°	1279.8	1224.9	1158.6	1093.0	1029.0	938.1	839.1	743.6	653.4	552.4	455.2
-60°	1118.6	1054.7	985.9	913.0	836.6	754.3	673.0	592.8	514.1	432.6	351.7
-62.5°	896.1	828.1	768.2	706.8	643.0	576.2	508.7	444.1	378.9	312.8	259.1
-65°	662.5	609.5	558.6	511.0	461.3	409.5	354.1	307.6	265.7	222.0	178.2
-67.5°	449.6	410.8	371.6	335.4	305.8	274.9	240.8	204.8	178.1	155.8	131.9
-70°	285.2	261.2	237.3	213.6	194.5	178.2	160.0	141.2	122.6	105.0	86.6
-72.5°	173.4	160.3	147.8	135.7	122.9	111.1	98.5	84.9	70.7	56.2	45.6
-75°	96.8	89.6	81.6	73.1	63.6	53.2	47.4	43.8	39.9	35.6	31.2
-77.5°	49.2	45.9	42.7	40.1	37.5	34.9	32.2	29.2	26.9	24.7	22.8
-80°	30.6	29.2	27.8	26.9	25.9	24.7	23.3	21.6	20.0	18.6	17.5
-82.5°	22.2	21.3	20.3	19.3	18.3	17.2	16.1	15.3	14.5	13.8	13.1
-85°	14.7	14.0	13.2	12.6	12.0	11.4	10.9	10.5	10.0	9.4	8.8
-87.5°	9.2	8.6	8.1	8.0	7.9	7.7	7.5	7.0	6.5	6.0	5.6
-90°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1





REPORT NUMBER: P731726 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1
80°	3.1	2.6	2.3	2.1	2.2	2.1	2.1	2.1	2.4	2.5	2.4
77.5°	3.5	3.0	2.5	2.2	2.5	2.6	2.6	2.4	2.6	2.9	2.9
75°	3.4	2.9	2.4	2.3	2.8	3.2	3.3	3.2	3.1	3.3	3.4
72.5°	3.9	3.4	2.7	2.4	2.8	3.3	3.8	4.0	3.6	3.6	3.8
70°	6.4	4.5	3.7	3.3	3.2	3.4	3.9	4.1	4.1	3.9	3.9
67.5°	10.4	7.8	5.8	4.3	3.8	3.7	4.0	4.1	4.1	4.1	4.0
65°	14.7	11.2	8.1	6.0	4.6	4.0	4.1	4.1	4.1	4.1	4.1
62.5°	19.5	14.8	11.1	7.8	5.5	4.4	4.1	4.1	4.1	4.1	4.1
60°	24.6	18.5	14.1	10.3	6.9	4.6	4.1	4.1	4.1	4.1	4.1
57.5°	30.2	21.7	16.8	12.6	8.9	5.5	4.1	4.1	4.1	4.1	4.1
55°	33.8	25.6	19.6	14.7	10.7	7.1	4.7	4.1	4.1	4.1	4.1
52.5°	32.2	27.6	22.9	17.0	12.3	8.7	6.3	4.1	4.1	4.1	4.1
50°	27.9	27.3	24.6	19.5	13.8	10.5	7.9	5.4	4.1	4.1	4.1
47.5°	25.1	26.1	24.8	21.4	15.7	12.3	9.6	6.8	4.1	4.1	4.1
45°	23.9	24.3	24.6	22.0	18.2	14.5	11.4	8.1	5.3	4.2	4.1
42.5°	24.6	24.8	23.5	22.9	20.3	16.7	13.3	9.8	6.4	4.3	4.2
40°	33.3	27.8	24.0	24.6	22.8	18.7	15.1	11.5	7.6	4.8	4.3
37.5°	45.8	36.7	28.4	30.7	26.6	21.2	16.7	13.3	8.9	5.9	4.6
35°	76.8	51.4	47.5	45.0	35.2	24.1	18.1	14.8	10.5	6.9	4.8
32.5°	116.9	90.2	85.4	68.4	47.1	27.3	20.3	16.3	12.0	7.9	5.1
30°	193.3	169.9	135.9	98.0	64.8	38.4	23.8	18.2	13.5	8.8	5.5
27.5°	318.0	265.3	201.8	144.6	93.2	52.7	29.1	20.3	14.9	9.8	6.3
25°	454.8	381.4	293.8	203.0	125.7	81.9	35.3	22.7	16.4	10.9	7.0
22.5°	606.1	507.0	396.1	268.6	179.9	119.4	50.5	27.6	18.2	12.0	7.7
20°	763.6	637.9	501.6	336.2	241.8	166.1	77.9	32.8	20.1	13.0	8.3
17.5°	926.2	753.7	580.3	410.7	301.3	215.0	109.3	38.4	22.1	13.9	8.8
15°	1036.2	843.5	654.8	478.8	355.0	265.2	143.9	44.2	24.0	14.7	9.5
12.5°	1124.5	928.9	724.8	540.6	403.5	316.1	180.5	50.0	26.0	16.0	10.4
10°	1203.3	1009.1	789.7	596.2	447.2	366.7	217.8	56.1	29.5	17.9	11.3
7.5°	1273.0	1083.1	849.1	645.7	482.8	402.5	241.6	62.5	33.2	19.7	12.1
5°	1327.0	1137.1	888.1	668.0	494.6	420.9	259.6	68.4	36.8	21.5	13.0
2.5°	1343.1	1162.2	911.9	681.3	504.2	435.2	273.4	73.7	40.2	23.2	13.7
0°	1351.4	1178.1	928.4	689.1	511.7	445.6	282.7	78.4	43.3	24.8	14.4
-2.5°	1358.3	1183.1	937.1	703.0	527.1	453.8	298.2	101.1	58.5	33.3	18.3
-5°	1358.3	1179.5	938.4	711.6	540.2	458.6	309.5	122.6	73.0	41.4	21.9
-7.5°	1330.7	1153.6	926.0	714.5	550.5	460.6	317.2	142.6	86.4	49.0	25.4
-10°	1291.6	1111.6	898.6	710.1	563.5	467.3	322.8	160.7	98.6	55.7	28.6
-12.5°	1246.3	1063.4	869.9	703.8	576.3	478.3	331.5	176.6	109.0	61.4	31.3
-15°	1195.0	1009.9	841.7	696.3	588.1	487.4	335.8	189.8	117.0	66.1	33.7
-17.5°	1143.6	951.8	815.7	688.8	599.3	494.9	335.9	199.5	123.0	69.6	35.9
-20°	1101.7	915.8	794.1	682.1	610.1	501.2	331.7	205.4	126.8	71.9	37.8



REPORT NUMBER: P731726 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1053.7	900.8	786.3	687.5	617.1	506.6	323.2	207.3	128.2	72.7	39.1
-25°	1002.0	884.9	778.0	693.0	618.0	493.1	317.5	204.7	126.9	71.9	39.6
-27.5°	972.2	869.3	767.7	694.3	606.8	474.4	313.8	202.9	124.1	69.5	39.4
-30°	951.9	855.0	763.5	687.9	591.1	440.5	304.1	197.7	121.2	67.9	38.4
-32.5°	931.4	839.1	756.6	667.2	556.2	405.0	284.7	188.7	116.0	66.6	37.5
-35°	907.8	823.5	743.2	641.2	513.3	377.4	262.4	176.1	108.4	64.1	36.2
-37.5°	880.6	807.1	710.0	602.9	469.2	345.3	241.5	160.5	98.5	60.5	34.3
-40°	863.1	780.3	673.8	553.7	427.8	308.8	216.8	144.7	91.4	55.7	31.6
-42.5°	842.7	735.6	622.0	503.1	383.1	277.2	189.3	126.7	83.4	51.2	28.3
-45°	788.3	679.4	560.9	446.4	335.3	241.5	166.6	107.8	74.2	46.5	25.2
-47.5°	723.6	606.9	494.3	385.2	290.5	204.6	141.3	96.3	64.1	40.9	22.8
-50°	638.8	529.1	422.9	327.8	240.8	173.2	116.9	83.8	55.8	33.8	20.1
-52.5°	551.5	446.7	354.4	269.8	199.5	138.8	101.5	70.5	46.6	28.6	17.0
-55°	458.4	368.4	287.3	218.2	158.1	116.4	85.0	58.7	36.5	24.2	13.9
-57.5°	369.6	291.5	227.7	169.2	127.1	96.2	69.0	45.8	30.0	19.7	13.2
-60°	281.0	225.0	170.3	133.1	102.6	76.0	52.9	34.5	24.6	15.7	12.3
-62.5°	207.4	162.7	133.0	103.7	78.6	56.4	37.6	28.1	18.9	14.5	11.4
-65°	151.0	124.4	98.8	76.5	55.5	39.0	30.1	21.4	16.4	13.2	10.4
-67.5°	108.3	87.6	68.5	49.5	38.5	30.1	22.2	17.9	14.7	11.8	9.3
-70°	68.8	52.2	43.1	35.7	28.0	21.7	18.8	15.8	12.9	10.6	8.3
-72.5°	40.8	35.6	30.0	24.1	21.5	18.9	16.2	13.7	11.5	9.4	7.2
-75°	26.7	24.4	22.7	20.8	18.4	16.0	13.9	12.1	10.1	8.1	6.5
-77.5°	21.3	20.0	18.8	17.1	15.0	13.2	11.7	10.5	8.7	7.2	5.8
-80°	16.5	15.4	14.1	12.6	11.3	10.3	9.6	8.9	7.5	6.2	5.1
-82.5°	12.0	10.9	10.0	9.1	8.7	8.2	7.8	7.2	6.2	5.2	4.5
-85°	8.2	7.7	7.2	6.8	6.5	6.2	6.0	5.9	5.3	4.8	4.4
-87.5°	5.5	5.4	5.4	5.3	5.2	5.1	5.1	5.0	4.7	4.5	4.3
-90°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1



REPORT NUMBER: P731726 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
87.5°	2.1	2.2	2.3	2.3	2.3	3.1	4.1
85°	2.1	2.3	2.4	2.5	2.5	3.2	4.1
82.5°	2.1	2.4	2.6	2.7	2.6	3.2	4.1
80°	2.2	2.6	2.8	2.9	2.8	3.3	4.1
77.5°	2.7	2.8	3.0	3.1	3.0	3.3	4.1
75°	3.2	3.1	3.2	3.3	3.2	3.4	4.1
72.5°	3.7	3.4	3.4	3.5	3.3	3.4	4.1
70°	4.1	3.7	3.5	3.7	3.5	3.5	4.1
67.5°	4.1	4.0	3.7	3.8	3.7	3.5	4.1
65°	4.1	4.1	3.8	3.8	3.8	3.6	4.1
62.5°	4.1	4.1	4.0	3.9	4.0	3.6	4.1
60°	4.1	4.1	4.1	3.9	4.1	3.7	4.1
57.5°	4.1	4.1	4.1	4.0	4.1	3.7	4.1
55°	4.1	4.1	4.1	4.0	4.1	3.8	4.1
52.5°	4.1	4.1	4.1	4.1	4.1	3.8	4.1
50°	4.1	4.1	4.1	4.1	4.1	3.8	4.1
47.5°	4.1	4.1	4.1	4.1	4.1	3.9	4.1
45°	4.1	4.1	4.1	4.1	4.1	3.9	4.1
42.5°	4.1	4.1	4.1	4.1	4.1	3.9	4.1
40°	4.1	4.1	4.1	4.1	4.1	3.9	4.1
37.5°	4.1	4.1	4.1	4.1	4.1	4.0	4.1
35°	4.1	4.1	4.1	4.1	4.1	4.0	4.1
32.5°	4.2	4.1	4.1	4.1	4.1	4.0	4.1
30°	4.4	4.1	4.1	4.1	4.1	4.0	4.1
27.5°	4.6	4.1	4.1	4.1	4.1	4.0	4.1
25°	4.9	4.1	4.1	4.1	4.1	4.1	4.1
22.5°	5.1	4.1	4.1	4.1	4.1	4.1	4.1
20°	5.4	4.3	4.1	4.1	4.1	4.1	4.1
17.5°	5.8	4.5	4.1	4.1	4.1	4.1	4.1
15°	6.2	4.7	4.1	4.1	4.1	4.1	4.1
12.5°	6.6	4.9	4.1	4.1	4.1	4.1	4.1
10°	7.0	5.2	4.1	4.1	4.1	4.1	4.1
7.5°	7.3	5.4	4.1	4.1	4.1	4.1	4.1
5°	7.7	5.7	4.1	4.1	4.1	4.1	4.1
2.5°	8.0	6.0	4.1	4.1	4.1	4.1	4.1
0°	8.3	6.2	4.1	4.1	4.1	4.1	4.1
-2.5°	10.2	6.9	4.3	4.1	4.1	4.1	4.1
-5°	12.1	7.5	4.5	4.1	4.1	4.1	4.1
-7.5°	13.8	8.1	4.6	4.1	4.1	4.1	4.1
-10°	15.4	8.6	4.8	4.1	4.1	4.1	4.1
-12.5°	16.8	9.1	4.9	4.1	4.1	4.1	4.1
-15°	17.9	9.4	5.0	4.1	4.1	4.1	4.1
-17.5°	18.8	9.7	5.1	4.1	4.1	4.1	4.1
-20°	19.6	9.8	5.2	4.1	4.1	4.1	4.1



REPORT NUMBER: P731726 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20.3	9.9	5.2	4.1	4.1	4.1	4.1
-25°	20.7	9.9	5.2	4.1	4.1	4.1	4.1
-27.5°	20.6	9.9	5.2	4.1	4.1	4.1	4.1
-30°	20.0	9.7	5.1	4.1	4.1	4.1	4.1
-32.5°	19.0	9.3	5.2	4.1	4.1	4.1	4.1
-35°	18.3	8.8	5.2	4.1	4.1	4.1	4.1
-37.5°	17.5	8.3	5.2	4.1	4.1	4.1	4.1
-40°	16.5	8.3	5.1	4.1	4.1	4.1	4.1
-42.5°	15.2	8.2	5.2	4.1	4.1	4.1	4.1
-45°	13.5	8.0	5.3	4.2	4.1	4.1	4.1
-47.5°	11.6	7.8	5.3	4.2	4.1	4.1	4.1
-50°	11.0	7.6	5.3	4.2	4.1	4.1	4.1
-52.5°	10.6	7.3	5.2	4.3	4.1	4.1	4.1
-55°	10.2	7.1	5.2	4.3	4.1	4.1	4.1
-57.5°	9.6	6.8	5.0	4.3	4.1	4.1	4.1
-60°	9.0	6.5	4.9	4.3	4.1	4.1	4.1
-62.5°	8.4	6.1	4.8	4.2	4.1	4.1	4.1
-65°	7.7	5.7	4.7	4.2	4.1	4.1	4.1
-67.5°	7.0	5.3	4.6	4.2	4.1	4.1	4.1
-70°	6.1	5.1	4.4	4.1	4.1	4.1	4.1
-72.5°	5.6	4.8	4.3	4.1	4.1	4.1	4.1
-75°	5.2	4.5	4.1	4.1	4.1	4.1	4.1
-77.5°	4.7	4.2	4.1	4.1	4.1	4.1	4.1
-80°	4.2	4.1	4.1	4.1	4.1	4.1	4.1
-82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
-85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
-87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
-90°	2.1	2.1	2.1	2.1	2.1	3.1	4.1

(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

