

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: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-70-4S-CV1**

Issue Date: 11/16/2023

**Test Information**

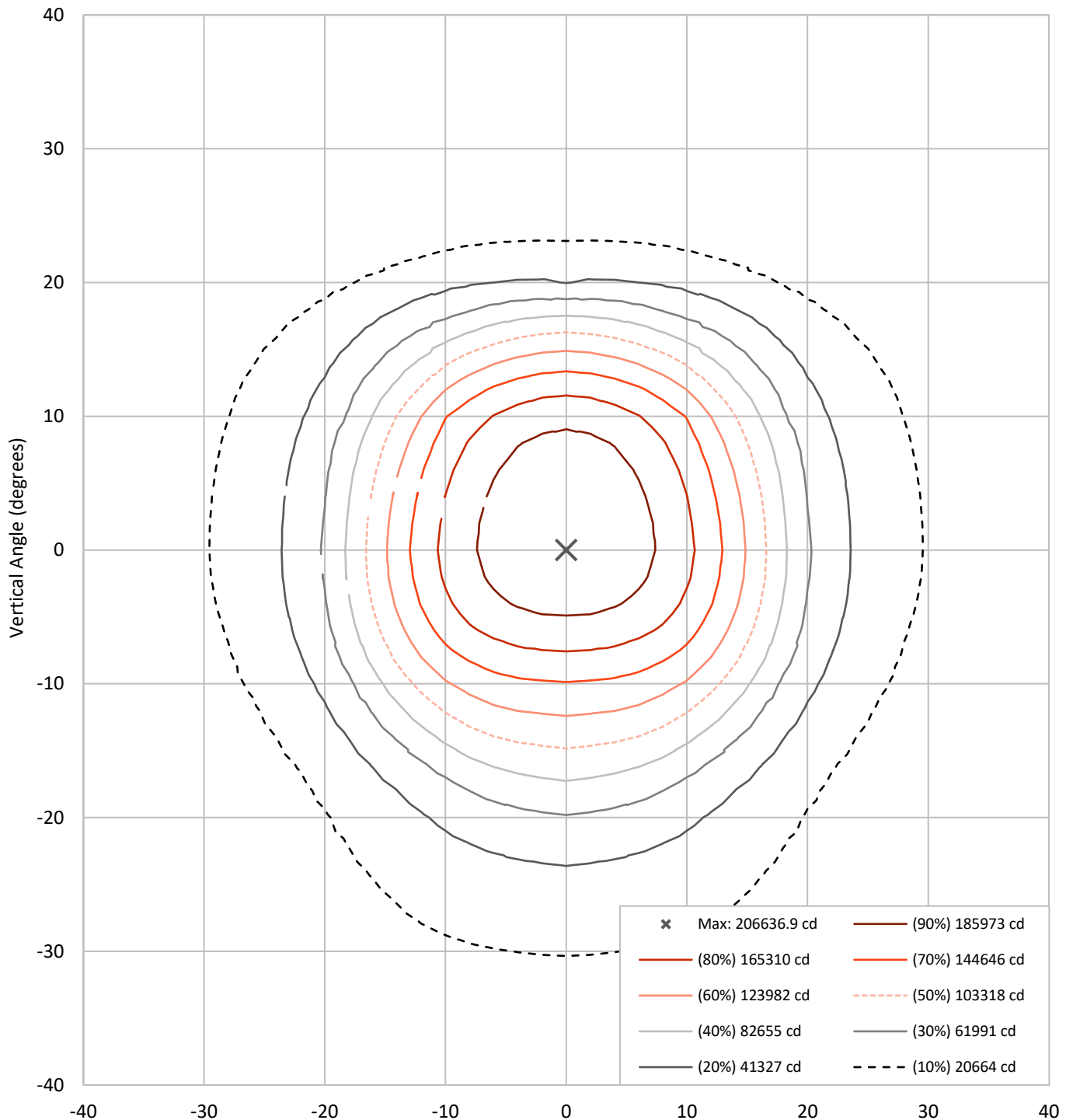
Test Method: LM-79-08  
Report Number: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0530N-40-70-4S-CV1  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 70 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:	70405.4 lumens	Max Intensity:	206636.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	125.7 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:	38479.3 lumens	Field Lumens:	62002.7 lumens
Beam Efficiency:	54.7%	Field Efficiency:	88.1%
Input Watts (W):	559.9		
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: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-CV1

### Iso-Candela Plot





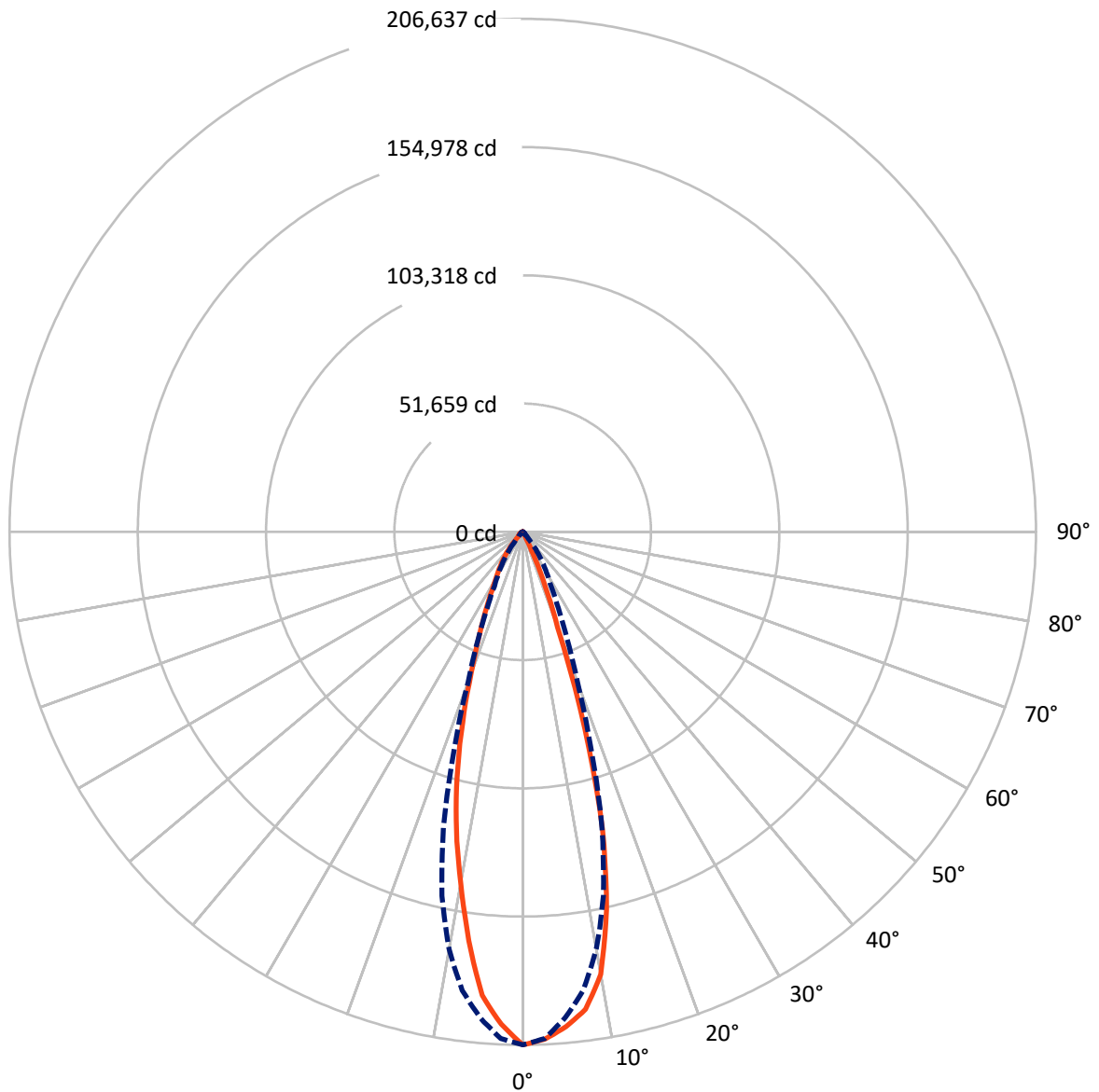
REPORT NUMBER: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-CV1

### Lumen Table

90	0.1		0.1		0.3		0.4		0.3		0.4		0.3		0.1		0.1	
80	0.1		0.1		0.3		0.4		0.3		0.4		0.3		0.1		0.1	
70	0.1	0.0	0.1	0.4	0.6	0.4	0.2	0.2	0.2	0.2	0.4	0.6	0.4	0.1	0.0	0.1		
60		0.1	0.2	0.7	0.7	0.3	0.2	0.3	0.3	0.2	0.3	0.7	0.7	0.2	0.1			
50	0.1	0.1	0.3	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.3	0.1	0.1		
40		0.2	0.8	2.1	3.8	6.6	10.1	12.4	12.4	10.1	6.6	3.8	2.1	0.8	0.2			
30	0.1	0.4	3.4	10.6	41.8	130.5	261.3	424.3	424.3	261.3	130.5	41.8	10.6	3.4	0.4	0.1		
20		1.1	7.8	25.5	172.7	589.9	1760.6	3282.4	3282.4	1760.6	589.9	172.7	25.5	7.8	1.1			
10	0.2	1.7	10.8	36.5	269.1	958.5	3286.8	5629.7	5629.7	3286.8	958.5	269.1	36.5	10.8	1.7	0.2		
0		2.2	11.5	37.5	265.7	924.6	3181.4	5240.2	5240.2	3181.4	924.6	265.7	37.5	11.5	2.2			
-10	0.4	2.7	11.0	28.9	157.9	522.4	1605.5	2861.8	2861.8	1605.5	522.4	157.9	28.9	11.0	2.7	0.4		
-20		2.7	10.5	22.3	74.4	283.2	652.4	1040.8	1040.8	652.4	283.2	74.4	22.3	10.5	2.7			
-30	0.3	2.2	9.5	19.0	36.7	105.2	263.4	400.2	400.2	263.4	105.2	36.7	19.0	9.5	2.2	0.3		
-40		1.4	6.9	16.3	27.4	41.9	63.7	86.5	86.5	63.7	41.9	27.4	16.3	6.9	1.4			
-50	0.2	0.7	3.6	10.6	20.6	29.7	38.2	43.7	43.7	38.2	29.7	20.6	10.6	3.6	0.7	0.2		
-60		0.3	1.3	3.8	8.3	13.8	19.5	22.6	22.6	19.5	13.8	8.3	3.8	1.3	0.3			
-70	0.1	0.6	2.6	6.6	8.8	6.6	2.6	0.6	0.1									
-80		0.1	0.6	2.6	6.6	8.8	6.6	2.6								0.6		
-90	0.1		0.6		2.6		6.6		8.8		6.6		2.6		0.6		0.1	

REPORT NUMBER: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-CV1

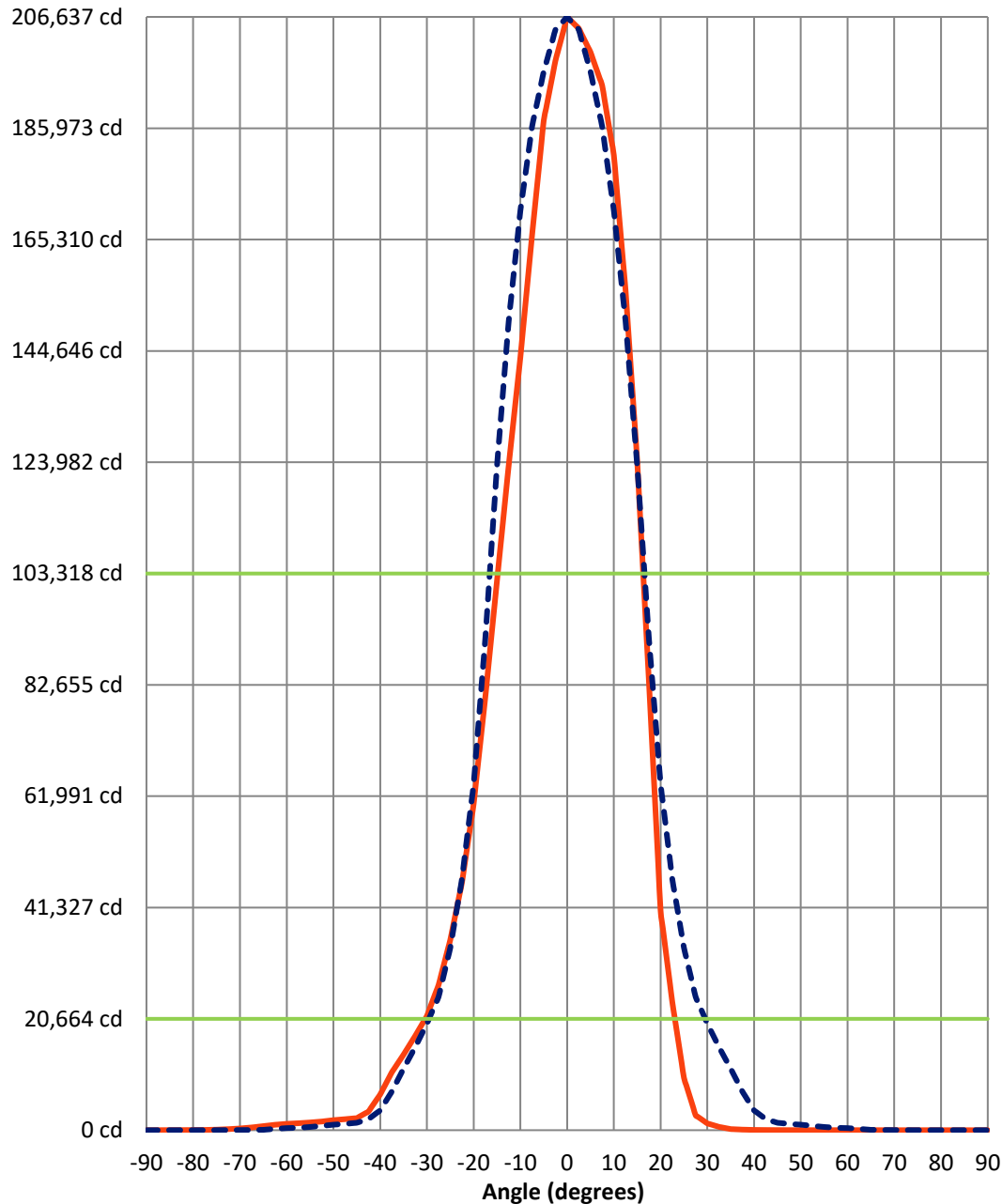
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-CV1

### Luminous Intensity Plot



**Beam:**  
 H Angle: 33.1°  
 V Angle: 31.1°  
 Lumens: 38479.3  
 Efficiency: 54.7%

**Field:**  
 H Angle: 59.1°  
 V Angle: 53.4°  
 Lumens: 62002.7  
 Efficiency: 88.1%

**Spill:**  
 Lumens: 8402.7  
 Efficiency: 11.9%

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



REPORT NUMBER: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-CV1

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	3.6	2.7	2.0	2.0	2.0	1.9	1.8	1.8	1.8	1.8	1.8
85°	3.6	2.8	2.1	2.2	2.1	2.0	1.8	1.8	1.8	1.8	1.8
82.5°	3.6	2.8	2.3	2.3	2.3	2.1	1.8	1.8	1.8	1.9	1.8
80°	3.6	2.9	2.4	2.5	2.4	2.2	1.9	2.1	2.1	2.1	1.8
77.5°	3.6	2.9	2.6	2.7	2.6	2.4	2.4	2.5	2.5	2.3	2.1
75°	3.6	3.0	2.8	2.9	2.8	2.7	2.8	2.9	2.8	2.7	2.8
72.5°	3.6	3.0	2.9	3.1	2.9	3.0	3.2	3.3	3.1	3.2	3.5
70°	3.6	3.0	3.1	3.2	3.1	3.2	3.6	3.4	3.4	3.6	3.6
67.5°	3.6	3.1	3.2	3.3	3.2	3.5	3.6	3.5	3.6	3.6	3.6
65°	3.6	3.1	3.3	3.4	3.4	3.6	3.6	3.6	3.6	3.6	3.6
62.5°	3.6	3.2	3.5	3.4	3.5	3.6	3.6	3.6	3.6	3.6	3.6
60°	3.6	3.2	3.6	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.2	3.6	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6
55°	3.6	3.3	3.6	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6
52.5°	3.6	3.3	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
50°	3.6	3.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.7
47.5°	3.6	3.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	5.8
45°	3.6	3.4	3.6	3.6	3.6	3.6	3.6	3.6	3.7	4.6	6.9
42.5°	3.6	3.4	3.6	3.6	3.6	3.6	3.6	3.7	3.8	5.5	8.4
40°	3.6	3.5	3.6	3.6	3.6	3.6	3.6	3.8	4.2	6.5	9.9
37.5°	3.6	3.5	3.6	3.6	3.6	3.6	3.6	4.0	5.1	7.6	11.5
35°	3.6	3.5	3.6	3.6	3.6	3.6	3.6	4.2	6.0	9.1	12.9
32.5°	3.6	3.5	3.6	3.6	3.6	3.6	3.7	4.4	6.8	10.4	14.2
30°	3.6	3.5	3.6	3.6	3.6	3.6	3.8	4.8	7.6	11.7	15.7
27.5°	3.6	3.6	3.6	3.6	3.6	3.6	4.0	5.5	8.4	12.9	17.5
25°	3.6	3.6	3.6	3.6	3.6	3.6	4.3	6.1	9.4	14.3	19.7
22.5°	3.6	3.6	3.6	3.6	3.6	3.6	4.5	6.6	10.4	15.8	23.8
20°	3.6	3.6	3.6	3.6	3.6	3.8	4.7	7.2	11.2	17.4	28.4
17.5°	3.6	3.6	3.6	3.6	3.6	3.9	5.0	7.7	12.0	19.1	33.2
15°	3.6	3.6	3.6	3.6	3.6	4.1	5.4	8.2	12.7	20.8	38.3
12.5°	3.6	3.6	3.6	3.6	3.6	4.3	5.7	9.0	13.9	22.5	43.3
10°	3.6	3.6	3.6	3.6	3.6	4.5	6.0	9.8	15.5	25.5	48.6
7.5°	3.6	3.6	3.6	3.6	3.6	4.8	6.3	10.5	17.0	28.7	54.1
5°	3.6	3.6	3.6	3.6	3.6	5.0	6.6	11.2	18.6	31.8	59.2
2.5°	3.6	3.6	3.6	3.6	3.6	5.2	6.9	11.9	20.0	34.8	63.8
0°	3.6	3.6	3.6	3.6	3.6	5.4	7.1	12.5	21.4	37.5	67.8
-2.5°	3.6	3.6	3.6	3.6	3.8	6.0	8.8	15.8	28.8	50.6	87.4
-5°	3.6	3.6	3.6	3.6	3.9	6.5	10.4	19.0	35.8	63.1	106.1
-7.5°	3.6	3.6	3.6	3.6	4.1	7.0	11.9	22.0	42.4	74.8	123.4
-10°	3.6	3.6	3.6	3.6	4.2	7.5	13.2	24.7	48.2	85.3	139.0
-12.5°	3.6	3.6	3.6	3.6	4.3	7.9	14.5	27.1	53.2	94.3	152.8
-15°	3.6	3.6	3.6	3.6	4.4	8.2	15.5	29.1	57.2	101.2	164.2
-17.5°	3.6	3.6	3.6	3.6	4.5	8.4	16.3	31.0	60.3	106.4	172.6
-20°	3.6	3.6	3.6	3.6	4.5	8.5	16.9	32.7	62.2	109.7	177.7



REPORT NUMBER: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.6	3.6	3.6	3.6	4.6	8.5	17.6	33.8	62.9	110.9	179.3
-25°	3.6	3.6	3.6	3.6	4.6	8.6	17.9	34.3	62.2	109.8	177.1
-27.5°	3.6	3.6	3.6	3.6	4.5	8.6	17.8	34.1	60.1	107.4	175.5
-30°	3.6	3.6	3.6	3.6	4.5	8.4	17.3	33.2	58.8	104.9	171.0
-32.5°	3.6	3.6	3.6	3.6	4.5	8.1	16.4	32.4	57.6	100.4	163.3
-35°	3.6	3.6	3.6	3.6	4.5	7.6	15.8	31.4	55.5	93.8	152.4
-37.5°	3.6	3.6	3.6	3.6	4.5	7.2	15.2	29.7	52.4	85.2	138.9
-40°	3.6	3.6	3.6	3.6	4.5	7.2	14.3	27.4	48.2	79.1	125.2
-42.5°	3.6	3.6	3.6	3.6	4.5	7.1	13.2	24.5	44.3	72.2	109.6
-45°	3.6	3.6	3.6	3.7	4.6	7.0	11.7	21.8	40.3	64.2	93.3
-47.5°	3.6	3.6	3.6	3.7	4.6	6.8	10.1	19.8	35.4	55.5	83.4
-50°	3.6	3.6	3.6	3.7	4.6	6.6	9.6	17.5	29.3	48.3	72.5
-52.5°	3.6	3.6	3.6	3.7	4.6	6.3	9.2	14.8	24.8	40.3	61.0
-55°	3.6	3.6	3.6	3.7	4.5	6.1	8.8	12.0	21.0	31.6	50.8
-57.5°	3.6	3.6	3.6	3.7	4.4	5.9	8.3	11.4	17.1	26.0	39.7
-60°	3.6	3.6	3.6	3.7	4.3	5.7	7.8	10.7	13.6	21.3	29.9
-62.5°	3.6	3.6	3.6	3.7	4.2	5.3	7.3	9.8	12.5	16.3	24.3
-65°	3.6	3.6	3.6	3.7	4.1	5.0	6.7	9.0	11.4	14.2	18.5
-67.5°	3.6	3.6	3.6	3.7	4.0	4.7	6.1	8.1	10.2	12.7	15.5
-70°	3.6	3.6	3.6	3.6	3.9	4.5	5.3	7.2	9.2	11.2	13.7
-72.5°	3.6	3.6	3.6	3.6	3.8	4.2	4.9	6.3	8.1	10.0	11.8
-75°	3.6	3.6	3.6	3.6	3.6	4.0	4.5	5.6	7.0	8.8	10.5
-77.5°	3.6	3.6	3.6	3.6	3.6	3.7	4.1	5.0	6.2	7.6	9.1
-80°	3.6	3.6	3.6	3.6	3.6	3.6	3.7	4.4	5.4	6.5	7.7
-82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.0	4.5	5.4	6.3
-85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.9	4.2	4.6	5.1
-87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.9	4.1	4.4
-90°	3.6	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8





REPORT NUMBER: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.2	2.3	2.5
80°	1.8	1.8	1.9	1.8	2.0	2.3	2.7	3.2	3.5	3.6	3.6
77.5°	2.2	2.3	2.2	1.9	2.1	2.6	3.0	3.5	3.6	3.6	3.6
75°	2.9	2.8	2.4	2.0	2.1	2.5	3.0	3.5	3.6	3.6	3.6
72.5°	3.3	2.9	2.5	2.0	2.4	3.0	3.4	3.6	4.4	5.5	6.1
70°	3.4	3.0	2.8	2.9	3.3	4.0	5.5	7.5	9.4	10.1	10.8
67.5°	3.5	3.3	3.3	3.8	5.0	6.7	9.0	11.8	14.6	15.5	16.6
65°	3.6	3.5	4.0	5.2	6.9	9.7	12.7	16.0	20.8	23.3	24.4
62.5°	3.6	3.9	4.8	6.7	9.6	12.8	16.9	22.2	28.7	32.8	32.7
60°	3.6	4.0	6.0	8.9	12.2	16.0	21.3	28.7	37.8	44.4	40.0
57.5°	3.6	4.8	7.7	10.9	14.5	18.8	26.1	35.2	43.6	52.4	44.8
55°	4.1	6.1	9.2	12.7	16.9	22.1	29.3	36.4	45.5	48.9	40.9
52.5°	5.5	7.4	10.6	14.6	19.8	23.9	27.8	34.2	37.6	39.2	33.7
50°	6.8	9.0	11.9	16.9	21.3	23.6	24.1	28.1	29.7	28.3	25.7
47.5°	8.3	10.6	13.6	18.5	21.5	22.5	21.7	22.4	22.3	22.1	18.5
45°	9.9	12.6	15.7	19.0	21.2	21.0	20.6	18.1	20.5	19.9	18.3
42.5°	11.5	14.5	17.6	19.8	20.3	21.4	21.3	22.0	22.1	23.1	25.0
40°	13.1	16.2	19.7	21.2	20.7	24.0	28.8	31.2	28.1	33.9	38.9
37.5°	14.5	18.4	23.0	26.6	24.5	31.8	39.6	52.2	54.0	50.1	64.0
35°	15.7	20.9	30.5	38.9	41.1	44.4	66.4	86.4	98.8	91.6	102.2
32.5°	17.5	23.6	40.7	59.2	73.9	77.9	101.1	143.1	167.5	171.8	164.8
30°	20.6	33.2	56.1	84.8	117.5	146.9	167.2	215.2	255.2	298.9	324.9
27.5°	25.2	45.6	80.7	125.1	174.5	229.5	275.1	312.1	385.4	459.7	523.6
25°	30.5	70.9	108.7	175.6	254.1	329.9	393.4	450.1	546.7	662.7	856.8
22.5°	43.8	103.3	155.6	232.3	342.6	438.5	524.2	612.4	730.2	886.6	1292.5
20°	67.4	143.7	209.1	290.8	433.8	551.8	660.5	771.5	919.1	1246.4	2137.0
17.5°	94.6	186.0	260.6	355.2	501.9	651.9	801.1	923.4	1102.1	1585.2	3066.9
15°	124.5	229.4	307.1	414.1	566.4	729.6	896.3	1071.3	1343.9	2036.6	3949.6
12.5°	156.1	273.4	349.0	467.6	626.9	803.5	972.7	1162.1	1562.1	2721.5	5072.6
10°	188.4	317.1	386.8	515.7	683.1	872.8	1040.8	1238.6	1733.1	3159.9	5856.8
7.5°	209.0	348.2	417.6	558.5	734.4	936.8	1101.1	1301.7	1878.0	3438.1	6404.9
5°	224.6	364.1	427.8	577.8	768.2	983.5	1147.8	1352.3	1994.7	3574.2	6783.7
2.5°	236.5	376.5	436.1	589.4	788.8	1005.3	1161.7	1371.3	2043.0	3656.4	7046.2
0°	244.5	385.5	442.6	596.1	803.1	1019.0	1168.9	1381.3	2050.5	3679.9	7174.2
-2.5°	257.9	392.6	455.9	608.1	810.6	1023.4	1174.9	1389.1	2080.5	3790.0	7369.8
-5°	267.7	396.7	467.3	615.5	811.7	1020.2	1174.9	1387.3	2063.2	3751.7	7123.1
-7.5°	274.4	398.5	476.2	618.0	800.9	997.9	1151.0	1347.7	1954.9	3510.5	6453.1
-10°	279.3	404.3	487.5	614.2	777.2	961.5	1117.3	1299.7	1815.5	3171.4	5676.9
-12.5°	286.7	413.7	498.5	608.7	752.4	919.9	1078.1	1243.9	1646.4	2734.9	4799.5
-15°	290.5	421.6	508.7	602.3	728.0	873.6	1033.7	1181.1	1456.9	2208.1	3825.3
-17.5°	290.6	428.1	518.4	595.8	705.5	823.3	989.2	1135.5	1323.4	1884.1	3146.3
-20°	286.9	433.6	527.8	589.9	686.9	792.2	952.9	1103.3	1268.8	1641.5	2472.6



REPORT NUMBER: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	279.6	438.2	533.9	594.6	680.1	779.2	911.5	1064.9	1212.0	1382.4	1958.3
-25°	274.7	426.5	534.6	599.4	672.9	765.4	866.7	1019.6	1159.0	1323.1	1687.5
-27.5°	271.5	410.4	524.9	600.6	664.0	751.9	840.9	966.4	1118.5	1270.9	1437.5
-30°	263.0	381.1	511.3	595.0	660.4	739.6	823.4	917.9	1071.9	1219.7	1373.1
-32.5°	246.3	350.3	481.1	577.1	654.5	725.9	805.6	890.7	1012.5	1164.9	1305.9
-35°	227.0	326.4	444.0	554.7	642.9	712.3	785.2	865.6	955.2	1093.7	1250.4
-37.5°	208.9	298.7	405.9	521.5	614.1	698.2	761.8	838.0	921.3	1016.7	1173.2
-40°	187.6	267.1	370.0	478.9	582.8	675.0	746.6	807.6	884.6	981.8	1078.8
-42.5°	163.8	239.8	331.4	435.2	538.0	636.3	729.0	788.6	856.6	947.2	1040.1
-45°	144.2	208.9	290.1	386.1	485.2	587.7	681.9	775.0	840.1	912.7	1001.0
-47.5°	122.2	177.0	251.3	333.2	427.6	525.0	625.9	722.6	822.1	891.6	960.8
-50°	101.2	149.8	208.2	283.6	365.9	457.7	552.6	658.8	759.0	855.9	936.2
-52.5°	87.9	120.1	172.6	233.3	306.5	386.4	477.0	575.1	678.4	781.4	869.6
-55°	73.6	100.7	136.8	188.8	248.5	318.7	396.5	486.4	580.0	678.6	772.0
-57.5°	59.7	83.2	110.0	146.3	196.9	252.1	319.7	393.8	477.8	565.1	643.2
-60°	45.8	65.8	88.8	115.1	147.3	194.6	243.0	304.2	374.2	444.7	512.7
-62.5°	32.5	48.8	68.0	89.7	115.1	140.8	179.4	224.1	270.5	327.7	384.2
-65°	26.0	33.7	47.9	66.1	85.4	107.6	130.6	154.2	192.0	229.9	266.0
-67.5°	19.2	26.0	33.2	42.7	59.2	75.7	93.6	114.1	134.8	154.1	177.2
-70°	16.2	18.7	24.2	30.8	37.2	45.0	59.4	74.9	90.8	106.0	122.1
-72.5°	14.0	16.3	18.6	20.8	25.9	30.7	35.2	39.4	48.5	61.1	73.4
-75°	12.0	13.9	15.9	18.0	19.6	21.1	23.1	26.9	30.8	34.5	37.8
-77.5°	10.2	11.4	13.0	14.8	16.3	17.3	18.5	19.7	21.4	23.3	25.3
-80°	8.3	8.9	9.8	10.9	12.2	13.3	14.3	15.1	16.1	17.3	18.7
-82.5°	6.7	7.1	7.5	7.9	8.6	9.4	10.3	11.3	11.9	12.5	13.2
-85°	5.3	5.4	5.7	5.9	6.3	6.6	7.1	7.6	8.1	8.6	9.0
-87.5°	4.4	4.5	4.6	4.6	4.7	4.8	4.8	4.9	5.2	5.6	6.0
-90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



REPORT NUMBER: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	3.6	4.1	4.5	5.0	5.4	5.8	6.3	6.7	7.1	7.1	7.1
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	2.6	2.5	2.4	2.1	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	3.6	3.4	3.2	3.0	2.9	2.8	2.5	2.2	1.8	1.8	1.8
77.5°	3.6	3.6	3.6	3.6	3.6	3.2	2.8	2.3	1.9	1.8	1.8
75°	3.6	3.7	4.0	4.0	3.7	3.4	3.3	3.2	3.2	3.0	2.7
72.5°	6.4	6.3	6.0	6.0	5.8	5.8	5.8	5.6	5.1	5.0	5.1
70°	11.4	11.8	11.7	11.3	10.2	9.1	8.4	7.7	6.9	6.5	6.2
67.5°	17.6	17.7	16.8	15.1	12.6	10.4	9.4	8.5	7.5	7.3	7.6
65°	24.4	22.2	19.5	16.6	13.5	10.6	9.8	9.1	8.6	8.7	9.3
62.5°	30.1	24.3	19.5	16.2	13.2	10.5	9.7	8.9	8.2	7.7	7.5
60°	33.3	24.4	17.6	14.6	11.8	9.3	8.2	7.6	7.3	7.1	7.1
57.5°	33.3	23.1	15.3	12.6	10.1	7.9	7.1	7.1	7.1	7.1	7.1
55°	29.7	20.2	13.1	10.8	9.2	7.8	7.2	7.4	7.4	7.1	7.5
52.5°	23.3	16.7	12.2	10.1	9.4	8.9	8.8	8.7	8.5	8.3	8.5
50°	18.4	13.9	11.8	10.5	10.5	10.5	10.5	10.7	10.9	11.1	11.2
47.5°	15.4	13.0	13.3	12.2	12.6	13.8	14.0	14.2	14.7	14.8	14.5
45°	15.9	18.4	18.9	18.7	18.4	20.9	20.8	19.1	21.4	22.1	21.6
42.5°	26.3	28.4	29.9	31.2	32.8	34.8	35.8	35.3	37.3	37.2	34.8
40°	44.3	42.2	45.6	49.7	53.3	54.7	58.1	61.5	62.8	62.1	59.8
37.5°	72.7	69.6	69.9	78.9	87.3	77.4	91.9	97.8	94.2	107.1	109.7
35°	120.8	133.6	115.1	147.7	163.9	155.9	173.3	207.7	181.1	229.8	241.7
32.5°	214.7	245.5	264.7	292.2	332.6	385.8	399.1	483.9	511.0	550.3	592.6
30°	350.9	437.7	597.3	627.1	665.6	848.8	899.1	945.2	1041.7	1116.0	1242.4
27.5°	637.7	871.5	1205.4	1499.3	1477.7	1787.7	2132.6	1746.4	2319.4	2089.5	2639.2
25°	1194.3	1709.7	2514.6	3293.4	3665.1	4296.6	5086.5	4937.0	5979.1	6051.4	7588.4
22.5°	2271.4	3391.1	4621.9	5945.9	7230.3	8651.7	10017.6	11449.5	13602.3	16576.6	19467.5
20°	3716.5	5362.5	7350.5	9400.5	11574.4	13785.0	16353.4	20702.7	25162.0	31352.0	35725.0
17.5°	5282.1	7902.1	10342.4	12882.4	15921.6	19596.0	24908.6	32340.2	41354.2	50607.2	57765.4
15°	6649.8	9613.7	13131.2	16517.4	20296.6	25812.1	34156.1	45163.7	58568.7	72635.3	89645.3
12.5°	7973.2	11069.1	14891.6	19174.7	24310.2	32204.6	43020.4	57896.0	75654.4	96792.3	118639.5
10°	9000.1	12397.1	16651.6	21475.0	27743.2	37439.1	50007.7	67570.4	93885.6	118838.7	143786.8
7.5°	9802.7	13624.1	18130.6	23192.9	30491.4	41409.0	56446.3	78554.6	106358.7	133357.3	156336.2
5°	10516.0	14633.1	19132.7	24161.2	32469.8	44297.5	60490.6	85739.1	115409.9	141944.2	163810.7
2.5°	11077.8	15292.7	19683.2	24646.2	33743.4	45892.0	62623.4	89594.8	121244.1	147440.5	168320.0
0°	11418.1	15410.3	19775.5	24749.2	33840.1	46614.5	64287.7	91282.0	123325.0	150130.2	170665.9
-2.5°	11296.2	15146.8	19476.2	24446.5	33521.0	45937.4	62949.1	90427.0	121561.6	146640.3	167293.9
-5°	10689.0	14284.7	18305.0	22981.4	31403.6	43365.2	59154.2	84211.1	113476.3	138512.4	157947.5
-7.5°	9731.6	13080.0	16770.9	21100.3	28383.4	39192.3	53580.2	74903.5	101470.6	124571.3	142110.4
-10°	8660.6	11683.3	14881.2	18715.7	24408.8	33583.7	45598.6	61880.5	84665.5	105435.8	122019.3
-12.5°	7373.2	9888.1	12576.2	15883.0	20197.9	27677.8	37779.4	50987.3	66829.7	85312.4	100410.0
-15°	6035.2	8149.5	10374.5	13476.3	17156.4	21921.0	29182.2	39682.4	51441.9	64065.9	77764.2
-17.5°	4846.4	6636.5	8995.7	11608.2	14413.1	17728.6	23732.3	30888.2	39398.6	48403.0	56670.2
-20°	3893.1	5791.7	7911.1	10183.1	12760.3	15948.5	19636.6	25073.2	31384.4	38296.5	44919.2



REPORT NUMBER: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3202.6	4905.2	6873.3	9004.4	11611.7	14481.9	17468.7	20880.7	25409.8	30724.0	35811.7
-25°	2439.2	3862.0	5771.2	7920.5	10322.4	12853.5	15277.9	18059.2	21370.3	24828.1	28390.6
-27.5°	1933.5	2937.8	4505.4	6523.8	8746.2	10727.9	12805.1	15121.1	18016.5	21024.8	23007.1
-30°	1578.1	2166.1	3342.8	4919.8	6777.2	8526.0	10231.6	12313.0	14586.0	16745.1	18497.4
-32.5°	1474.2	1737.2	2346.1	3470.0	4865.1	6426.0	7957.1	9815.1	11579.3	13287.9	14794.5
-35°	1400.9	1569.1	1798.7	2385.0	3225.3	4493.9	5892.8	7465.0	9057.3	10437.5	11715.4
-37.5°	1332.5	1478.5	1630.5	1781.8	2254.8	2835.4	3820.6	5064.2	6272.1	7388.9	8488.9
-40°	1235.0	1394.9	1517.8	1647.1	1787.8	1947.7	2463.3	2971.4	3562.7	4419.2	5169.6
-42.5°	1131.5	1264.9	1404.7	1525.8	1643.5	1766.3	1896.3	2025.5	2295.7	2631.8	2907.1
-45°	1088.4	1168.5	1264.7	1391.1	1509.4	1619.7	1725.4	1827.7	1935.7	2034.3	2114.8
-47.5°	1036.6	1109.6	1187.4	1269.8	1356.6	1463.1	1567.7	1671.8	1766.3	1854.1	1924.2
-50°	988.8	1046.1	1115.7	1185.8	1255.2	1326.6	1398.8	1479.1	1569.5	1658.4	1731.5
-52.5°	949.9	1002.3	1052.0	1101.7	1162.1	1222.6	1283.3	1347.3	1408.9	1467.2	1512.7
-55°	854.9	928.9	1001.7	1048.6	1089.2	1130.5	1176.4	1233.7	1288.3	1340.1	1370.6
-57.5°	725.8	811.4	890.0	945.5	1002.2	1059.6	1107.0	1148.0	1189.3	1228.8	1250.3
-60°	582.1	652.5	723.7	789.7	852.8	912.3	967.6	1021.4	1071.2	1113.1	1138.5
-62.5°	440.0	498.4	556.2	611.4	664.5	716.2	775.1	831.9	885.9	930.0	957.1
-65°	306.3	354.2	399.0	442.0	483.2	527.2	573.0	617.5	660.3	694.2	716.5
-67.5°	208.3	237.8	264.5	290.1	321.4	355.3	388.9	420.1	448.8	470.8	486.4
-70°	138.4	154.1	168.3	184.8	205.3	225.9	246.7	266.0	283.6	296.7	306.6
-72.5°	85.1	96.1	106.3	117.3	127.8	138.6	150.0	161.0	171.7	179.4	185.3
-75°	41.0	46.0	55.0	63.2	70.6	77.5	83.8	89.3	94.0	97.0	98.9
-77.5°	27.9	30.3	32.5	34.7	37.0	39.8	42.6	45.3	47.9	49.9	51.7
-80°	20.1	21.4	22.4	23.3	24.1	25.2	26.5	27.8	29.0	29.5	29.8
-82.5°	13.9	14.9	15.8	16.7	17.6	18.4	19.2	19.9	20.6	21.3	21.9
-85°	9.4	9.9	10.4	10.9	11.5	12.1	12.7	13.3	13.9	14.0	14.1
-87.5°	6.5	6.6	6.8	6.9	6.9	7.4	7.9	8.4	8.8	8.9	8.9
-90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.4	0.9



REPORT NUMBER: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	6.7
87.5°	1.8	1.8	0.9	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.3
75°	2.3	1.8	1.8	1.8	1.8	1.8	2.3	2.7	3.0	3.2	3.2
72.5°	5.2	5.3	4.5	3.6	4.5	5.3	5.2	5.1	5.0	5.1	5.6
70°	5.9	5.5	5.4	5.4	5.4	5.5	5.9	6.2	6.5	6.9	7.7
67.5°	8.1	8.7	8.9	8.9	8.9	8.7	8.1	7.6	7.3	7.5	8.5
65°	9.9	10.5	9.9	8.9	9.9	10.5	9.9	9.3	8.7	8.6	9.1
62.5°	7.4	7.3	7.1	7.1	7.1	7.3	7.4	7.5	7.7	8.2	8.9
60°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.3	7.6
57.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
55°	8.0	8.6	8.9	8.9	8.9	8.6	8.0	7.5	7.1	7.4	7.4
52.5°	8.8	8.9	8.9	8.9	8.9	8.9	8.8	8.5	8.3	8.5	8.7
50°	11.1	10.8	10.7	10.7	10.7	10.8	11.1	11.2	11.1	10.9	10.7
47.5°	13.9	13.0	12.5	12.5	12.5	13.0	13.9	14.5	14.8	14.7	14.2
45°	21.7	21.4	21.2	21.4	21.2	21.4	21.7	21.6	22.1	21.4	19.1
42.5°	36.2	36.8	36.2	33.9	36.2	36.8	36.2	34.8	37.2	37.3	35.3
40°	59.8	57.5	54.4	53.5	54.4	57.5	59.8	59.8	62.1	62.8	61.5
37.5°	111.1	111.0	108.4	107.1	108.4	111.0	111.1	109.7	107.1	94.2	97.8
35°	233.6	231.8	219.1	207.0	219.1	231.8	233.6	241.7	229.8	181.1	207.7
32.5°	606.8	639.0	636.1	617.5	636.1	639.0	606.8	592.6	550.3	511.0	483.9
30°	1291.0	1348.6	1336.5	1259.9	1336.5	1348.6	1291.0	1242.4	1116.0	1041.7	945.2
27.5°	2668.3	2803.2	2922.1	2766.2	2922.1	2803.2	2668.3	2639.2	2089.5	2319.4	1746.4
25°	9127.4	10005.1	10524.4	9717.3	10524.4	10005.1	9127.4	7588.4	6051.4	5979.1	4937.0
22.5°	21783.3	22877.1	23460.9	23794.5	23460.9	22877.1	21783.3	19467.5	16576.6	13602.3	11449.5
20°	39957.9	42296.9	43795.2	40777.0	43795.2	42296.9	39957.9	35725.0	31352.0	25162.0	20702.7
17.5°	67695.6	76322.1	80863.9	83331.5	80863.9	76322.1	67695.6	57765.4	50607.2	41354.2	32340.2
15°	102772.7	113810.1	121263.6	124181.7	121263.6	113810.1	102772.7	89645.3	72635.3	58568.7	45163.7
12.5°	135938.4	147327.4	154204.3	155932.9	154204.3	147327.4	135938.4	118639.5	96792.3	75654.4	57896.0
10°	159528.1	170259.2	178170.0	180947.2	178170.0	170259.2	159528.1	143786.8	118838.7	93885.6	67570.4
7.5°	172660.6	185204.5	192176.8	193912.5	192176.8	185204.5	172660.6	156336.2	133357.3	106358.7	78554.6
5°	180218.7	191552.2	199173.9	200098.0	199173.9	191552.2	180218.7	163810.7	141944.2	115409.9	85739.1
2.5°	185091.9	196175.9	202588.4	204473.1	202588.4	196175.9	185091.9	168320.0	147440.5	121244.1	89594.8
0°	186287.7	196478.8	204225.8	206636.9	204225.8	196478.8	186287.7	170665.9	150130.2	123325.0	91282.0
-2.5°	182666.9	192498.2	197658.7	198495.4	197658.7	192498.2	182666.9	167293.9	146640.3	121561.6	90427.0
-5°	173420.7	180691.6	186649.0	187411.1	186649.0	180691.6	173420.7	157947.5	138512.4	113476.3	84211.1
-7.5°	153780.1	161936.5	165231.4	166123.1	165231.4	161936.5	153780.1	142110.4	124571.3	101470.6	74903.5
-10°	132882.8	139870.3	142204.5	143464.6	142204.5	139870.3	132882.8	122019.3	105435.8	84665.5	61880.5
-12.5°	112424.3	119257.0	121552.9	123376.8	121552.9	119257.0	112424.3	100410.0	85312.4	66829.7	50987.3
-15°	89502.2	96230.6	99939.9	101993.4	99939.9	96230.6	89502.2	77764.2	64065.9	51441.9	39682.4
-17.5°	67162.2	73552.1	77869.5	80381.5	77869.5	73552.1	67162.2	56670.2	48403.0	39398.6	30888.2
-20°	50924.9	55249.6	58572.0	60543.6	58572.0	55249.6	50924.9	44919.2	38296.5	31384.4	25073.2



REPORT NUMBER: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	39780.0	42775.2	44699.9	45959.6	44699.9	42775.2	39780.0	35811.7	30724.0	25409.8	20880.7
-25°	31090.4	33056.2	34301.0	35319.6	34301.0	33056.2	31090.4	28390.6	24828.1	21370.3	18059.2
-27.5°	24617.0	25671.0	26221.1	26969.3	26221.1	25671.0	24617.0	23007.1	21024.8	18016.5	15121.1
-30°	19789.6	20598.4	21035.6	21197.8	21035.6	20598.4	19789.6	18497.4	16745.1	14586.0	12313.0
-32.5°	15927.4	16691.3	17243.1	17501.9	17243.1	16691.3	15927.4	14794.5	13287.9	11579.3	9815.1
-35°	12707.0	13344.3	13779.2	14018.3	13779.2	13344.3	12707.0	11715.4	10437.5	9057.3	7465.0
-37.5°	9399.8	10099.1	10578.0	10741.7	10578.0	10099.1	9399.8	8488.9	7388.9	6272.1	5064.2
-40°	5767.1	6212.6	6500.1	6621.0	6500.1	6212.6	5767.1	5169.6	4419.2	3562.7	2971.4
-42.5°	3121.6	3285.2	3398.7	3464.0	3398.7	3285.2	3121.6	2907.1	2631.8	2295.7	2025.5
-45°	2166.9	2208.3	2234.6	2245.1	2234.6	2208.3	2166.9	2114.8	2034.3	1935.7	1827.7
-47.5°	1975.5	2020.2	2044.0	2045.2	2044.0	2020.2	1975.5	1924.2	1854.1	1766.3	1671.8
-50°	1789.4	1838.0	1862.6	1864.9	1862.6	1838.0	1789.4	1731.5	1658.4	1569.5	1479.1
-52.5°	1554.1	1592.7	1609.5	1608.0	1609.5	1592.7	1554.1	1512.7	1467.2	1408.9	1347.3
-55°	1397.1	1420.1	1430.3	1431.3	1430.3	1420.1	1397.1	1370.6	1340.1	1288.3	1233.7
-57.5°	1269.7	1286.7	1292.7	1292.1	1292.7	1286.7	1269.7	1250.3	1228.8	1189.3	1148.0
-60°	1160.7	1179.2	1184.3	1181.4	1184.3	1179.2	1160.7	1138.5	1113.1	1071.2	1021.4
-62.5°	979.3	996.2	1004.7	1006.5	1004.7	996.2	979.3	957.1	930.0	885.9	831.9
-65°	734.0	746.7	753.4	754.9	753.4	746.7	734.0	716.5	694.2	660.3	617.5
-67.5°	498.6	507.2	509.8	508.6	509.8	507.2	498.6	486.4	470.8	448.8	420.1
-70°	314.6	320.6	322.1	321.2	322.1	320.6	314.6	306.6	296.7	283.6	266.0
-72.5°	190.0	193.7	193.9	192.7	193.9	193.7	190.0	185.3	179.4	171.7	161.0
-75°	100.2	100.7	100.6	99.9	100.6	100.7	100.2	98.9	97.0	94.0	89.3
-77.5°	53.3	54.8	54.3	53.5	54.3	54.8	53.3	51.7	49.9	47.9	45.3
-80°	30.0	30.2	30.3	30.3	30.3	30.2	30.0	29.8	29.5	29.0	27.8
-82.5°	22.5	23.1	22.3	21.4	22.3	23.1	22.5	21.9	21.3	20.6	19.9
-85°	14.2	14.3	14.3	14.3	14.3	14.3	14.2	14.1	14.0	13.9	13.3
-87.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.8	8.4
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	1.8	1.8



REPORT NUMBER: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	6.3	5.8	5.4	5.0	4.5	4.1	3.6	3.6	3.6	3.6	3.6
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	2.1	2.4	2.5	2.6	2.5	2.3	2.2	2.0
80°	2.5	2.8	2.9	3.0	3.2	3.4	3.6	3.6	3.6	3.5	3.2
77.5°	2.8	3.2	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5
75°	3.3	3.4	3.7	4.0	4.0	3.7	3.6	3.6	3.6	3.6	3.5
72.5°	5.8	5.8	5.8	6.0	6.0	6.3	6.4	6.1	5.5	4.4	3.6
70°	8.4	9.1	10.2	11.3	11.7	11.8	11.4	10.8	10.1	9.4	7.5
67.5°	9.4	10.4	12.6	15.1	16.8	17.7	17.6	16.6	15.5	14.6	11.8
65°	9.8	10.6	13.5	16.6	19.5	22.2	24.4	24.4	23.3	20.8	16.0
62.5°	9.7	10.5	13.2	16.2	19.5	24.3	30.1	32.7	32.8	28.7	22.2
60°	8.2	9.3	11.8	14.6	17.6	24.4	33.3	40.0	44.4	37.8	28.7
57.5°	7.1	7.9	10.1	12.6	15.3	23.1	33.3	44.8	52.4	43.6	35.2
55°	7.2	7.8	9.2	10.8	13.1	20.2	29.7	40.9	48.9	45.5	36.4
52.5°	8.8	8.9	9.4	10.1	12.2	16.7	23.3	33.7	39.2	37.6	34.2
50°	10.5	10.5	10.5	10.5	11.8	13.9	18.4	25.7	28.3	29.7	28.1
47.5°	14.0	13.8	12.6	12.2	13.3	13.0	15.4	18.5	22.1	22.3	22.4
45°	20.8	20.9	18.4	18.7	18.9	18.4	15.9	18.3	19.9	20.5	18.1
42.5°	35.8	34.8	32.8	31.2	29.9	28.4	26.3	25.0	23.1	22.1	22.0
40°	58.1	54.7	53.3	49.7	45.6	42.2	44.3	38.9	33.9	28.1	31.2
37.5°	91.9	77.4	87.3	78.9	69.9	69.6	72.7	64.0	50.1	54.0	52.2
35°	173.3	155.9	163.9	147.7	115.1	133.6	120.8	102.2	91.6	98.8	86.4
32.5°	399.1	385.8	332.6	292.2	264.7	245.5	214.7	164.8	171.8	167.5	143.1
30°	899.1	848.8	665.6	627.1	597.3	437.7	350.9	324.9	298.9	255.2	215.2
27.5°	2132.6	1787.7	1477.7	1499.3	1205.4	871.5	637.7	523.6	459.7	385.4	312.1
25°	5086.5	4296.6	3665.1	3293.4	2514.6	1709.7	1194.3	856.8	662.7	546.7	450.1
22.5°	10017.6	8651.7	7230.3	5945.9	4621.9	3391.1	2271.4	1292.5	886.6	730.2	612.4
20°	16353.4	13785.0	11574.4	9400.5	7350.5	5362.5	3716.5	2137.0	1246.4	919.1	771.5
17.5°	24908.6	19596.0	15921.6	12882.4	10342.4	7902.1	5282.1	3066.9	1585.2	1102.1	923.4
15°	34156.1	25812.1	20296.6	16517.4	13131.2	9613.7	6649.8	3949.6	2036.6	1343.9	1071.3
12.5°	43020.4	32204.6	24310.2	19174.7	14891.6	11069.1	7973.2	5072.6	2721.5	1562.1	1162.1
10°	50007.7	37439.1	27743.2	21475.0	16651.6	12397.1	9000.1	5856.8	3159.9	1733.1	1238.6
7.5°	56446.3	41409.0	30491.4	23192.9	18130.6	13624.1	9802.7	6404.9	3438.1	1878.0	1301.7
5°	60490.6	44297.5	32469.8	24161.2	19132.7	14633.1	10516.0	6783.7	3574.2	1994.7	1352.3
2.5°	62623.4	45892.0	33743.4	24646.2	19683.2	15292.7	11077.8	7046.2	3656.4	2043.0	1371.3
0°	64287.7	46614.5	33840.1	24749.2	19775.5	15410.3	11418.1	7174.2	3679.9	2050.5	1381.3
-2.5°	62949.1	45937.4	33521.0	24446.5	19476.2	15146.8	11296.2	7369.8	3790.0	2080.5	1389.1
-5°	59154.2	43365.2	31403.6	22981.4	18305.0	14284.7	10689.0	7123.1	3751.7	2063.2	1387.3
-7.5°	53580.2	39192.3	28383.4	21100.3	16770.9	13080.0	9731.6	6453.1	3510.5	1954.9	1347.7
-10°	45598.6	33583.7	24408.8	18715.7	14881.2	11683.3	8660.6	5676.9	3171.4	1815.5	1299.7
-12.5°	37779.4	27677.8	20197.9	15883.0	12576.2	9888.1	7373.2	4799.5	2734.9	1646.4	1243.9
-15°	29182.2	21921.0	17156.4	13476.3	10374.5	8149.5	6035.2	3825.3	2208.1	1456.9	1181.1
-17.5°	23732.3	17728.6	14413.1	11608.2	8995.7	6636.5	4846.4	3146.3	1884.1	1323.4	1135.5
-20°	19636.6	15948.5	12760.3	10183.1	7911.1	5791.7	3893.1	2472.6	1641.5	1268.8	1103.3



REPORT NUMBER: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	17468.7	14481.9	11611.7	9004.4	6873.3	4905.2	3202.6	1958.3	1382.4	1212.0	1064.9
-25°	15277.9	12853.5	10322.4	7920.5	5771.2	3862.0	2439.2	1687.5	1323.1	1159.0	1019.6
-27.5°	12805.1	10727.9	8746.2	6523.8	4505.4	2937.8	1933.5	1437.5	1270.9	1118.5	966.4
-30°	10231.6	8526.0	6777.2	4919.8	3342.8	2166.1	1578.1	1373.1	1219.7	1071.9	917.9
-32.5°	7957.1	6426.0	4865.1	3470.0	2346.1	1737.2	1474.2	1305.9	1164.9	1012.5	890.7
-35°	5892.8	4493.9	3225.3	2385.0	1798.7	1569.1	1400.9	1250.4	1093.7	955.2	865.6
-37.5°	3820.6	2835.4	2254.8	1781.8	1630.5	1478.5	1332.5	1173.2	1016.7	921.3	838.0
-40°	2463.3	1947.7	1787.8	1647.1	1517.8	1394.9	1235.0	1078.8	981.8	884.6	807.6
-42.5°	1896.3	1766.3	1643.5	1525.8	1404.7	1264.9	1131.5	1040.1	947.2	856.6	788.6
-45°	1725.4	1619.7	1509.4	1391.1	1264.7	1168.5	1088.4	1001.0	912.7	840.1	775.0
-47.5°	1567.7	1463.1	1356.6	1269.8	1187.4	1109.6	1036.6	960.8	891.6	822.1	722.6
-50°	1398.8	1326.6	1255.2	1185.8	1115.7	1046.1	988.8	936.2	855.9	759.0	658.8
-52.5°	1283.3	1222.6	1162.1	1101.7	1052.0	1002.3	949.9	869.6	781.4	678.4	575.1
-55°	1176.4	1130.5	1089.2	1048.6	1001.7	928.9	854.9	772.0	678.6	580.0	486.4
-57.5°	1107.0	1059.6	1002.2	945.5	890.0	811.4	725.8	643.2	565.1	477.8	393.8
-60°	967.6	912.3	852.8	789.7	723.7	652.5	582.1	512.7	444.7	374.2	304.2
-62.5°	775.1	716.2	664.5	611.4	556.2	498.4	440.0	384.2	327.7	270.5	224.1
-65°	573.0	527.2	483.2	442.0	399.0	354.2	306.3	266.0	229.9	192.0	154.2
-67.5°	388.9	355.3	321.4	290.1	264.5	237.8	208.3	177.2	154.1	134.8	114.1
-70°	246.7	225.9	205.3	184.8	168.3	154.1	138.4	122.1	106.0	90.8	74.9
-72.5°	150.0	138.6	127.8	117.3	106.3	96.1	85.1	73.4	61.1	48.5	39.4
-75°	83.8	77.5	70.6	63.2	55.0	46.0	41.0	37.8	34.5	30.8	26.9
-77.5°	42.6	39.8	37.0	34.7	32.5	30.3	27.9	25.3	23.3	21.4	19.7
-80°	26.5	25.2	24.1	23.3	22.4	21.4	20.1	18.7	17.3	16.1	15.1
-82.5°	19.2	18.4	17.6	16.7	15.8	14.9	13.9	13.2	12.5	11.9	11.3
-85°	12.7	12.1	11.5	10.9	10.4	9.9	9.4	9.0	8.6	8.1	7.6
-87.5°	7.9	7.4	6.9	6.9	6.8	6.6	6.5	6.0	5.6	5.2	4.9
-90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8





REPORT NUMBER: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.8
80°	2.7	2.3	2.0	1.8	1.9	1.8	1.8	1.8	2.1	2.1	2.1
77.5°	3.0	2.6	2.1	1.9	2.2	2.3	2.2	2.1	2.3	2.5	2.5
75°	3.0	2.5	2.1	2.0	2.4	2.8	2.9	2.8	2.7	2.8	2.9
72.5°	3.4	3.0	2.4	2.0	2.5	2.9	3.3	3.5	3.2	3.1	3.3
70°	5.5	4.0	3.3	2.9	2.8	3.0	3.4	3.6	3.6	3.4	3.4
67.5°	9.0	6.7	5.0	3.8	3.3	3.3	3.5	3.6	3.6	3.6	3.5
65°	12.7	9.7	6.9	5.2	4.0	3.5	3.6	3.6	3.6	3.6	3.6
62.5°	16.9	12.8	9.6	6.7	4.8	3.9	3.6	3.6	3.6	3.6	3.6
60°	21.3	16.0	12.2	8.9	6.0	4.0	3.6	3.6	3.6	3.6	3.6
57.5°	26.1	18.8	14.5	10.9	7.7	4.8	3.6	3.6	3.6	3.6	3.6
55°	29.3	22.1	16.9	12.7	9.2	6.1	4.1	3.6	3.6	3.6	3.6
52.5°	27.8	23.9	19.8	14.6	10.6	7.4	5.5	3.6	3.6	3.6	3.6
50°	24.1	23.6	21.3	16.9	11.9	9.0	6.8	4.7	3.6	3.6	3.6
47.5°	21.7	22.5	21.5	18.5	13.6	10.6	8.3	5.8	3.6	3.6	3.6
45°	20.6	21.0	21.2	19.0	15.7	12.6	9.9	6.9	4.6	3.7	3.6
42.5°	21.3	21.4	20.3	19.8	17.6	14.5	11.5	8.4	5.5	3.8	3.7
40°	28.8	24.0	20.7	21.2	19.7	16.2	13.1	9.9	6.5	4.2	3.8
37.5°	39.6	31.8	24.5	26.6	23.0	18.4	14.5	11.5	7.6	5.1	4.0
35°	66.4	44.4	41.1	38.9	30.5	20.9	15.7	12.9	9.1	6.0	4.2
32.5°	101.1	77.9	73.9	59.2	40.7	23.6	17.5	14.2	10.4	6.8	4.4
30°	167.2	146.9	117.5	84.8	56.1	33.2	20.6	15.7	11.7	7.6	4.8
27.5°	275.1	229.5	174.5	125.1	80.7	45.6	25.2	17.5	12.9	8.4	5.5
25°	393.4	329.9	254.1	175.6	108.7	70.9	30.5	19.7	14.3	9.4	6.1
22.5°	524.2	438.5	342.6	232.3	155.6	103.3	43.8	23.8	15.8	10.4	6.6
20°	660.5	551.8	433.8	290.8	209.1	143.7	67.4	28.4	17.4	11.2	7.2
17.5°	801.1	651.9	501.9	355.2	260.6	186.0	94.6	33.2	19.1	12.0	7.7
15°	896.3	729.6	566.4	414.1	307.1	229.4	124.5	38.3	20.8	12.7	8.2
12.5°	972.7	803.5	626.9	467.6	349.0	273.4	156.1	43.3	22.5	13.9	9.0
10°	1040.8	872.8	683.1	515.7	386.8	317.1	188.4	48.6	25.5	15.5	9.8
7.5°	1101.1	936.8	734.4	558.5	417.6	348.2	209.0	54.1	28.7	17.0	10.5
5°	1147.8	983.5	768.2	577.8	427.8	364.1	224.6	59.2	31.8	18.6	11.2
2.5°	1161.7	1005.3	788.8	589.4	436.1	376.5	236.5	63.8	34.8	20.0	11.9
0°	1168.9	1019.0	803.1	596.1	442.6	385.5	244.5	67.8	37.5	21.4	12.5
-2.5°	1174.9	1023.4	810.6	608.1	455.9	392.6	257.9	87.4	50.6	28.8	15.8
-5°	1174.9	1020.2	811.7	615.5	467.3	396.7	267.7	106.1	63.1	35.8	19.0
-7.5°	1151.0	997.9	800.9	618.0	476.2	398.5	274.4	123.4	74.8	42.4	22.0
-10°	1117.3	961.5	777.2	614.2	487.5	404.3	279.3	139.0	85.3	48.2	24.7
-12.5°	1078.1	919.9	752.4	608.7	498.5	413.7	286.7	152.8	94.3	53.2	27.1
-15°	1033.7	873.6	728.0	602.3	508.7	421.6	290.5	164.2	101.2	57.2	29.1
-17.5°	989.2	823.3	705.5	595.8	518.4	428.1	290.6	172.6	106.4	60.3	31.0
-20°	952.9	792.2	686.9	589.9	527.8	433.6	286.9	177.7	109.7	62.2	32.7



REPORT NUMBER: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	911.5	779.2	680.1	594.6	533.9	438.2	279.6	179.3	110.9	62.9	33.8
-25°	866.7	765.4	672.9	599.4	534.6	426.5	274.7	177.1	109.8	62.2	34.3
-27.5°	840.9	751.9	664.0	600.6	524.9	410.4	271.5	175.5	107.4	60.1	34.1
-30°	823.4	739.6	660.4	595.0	511.3	381.1	263.0	171.0	104.9	58.8	33.2
-32.5°	805.6	725.9	654.5	577.1	481.1	350.3	246.3	163.3	100.4	57.6	32.4
-35°	785.2	712.3	642.9	554.7	444.0	326.4	227.0	152.4	93.8	55.5	31.4
-37.5°	761.8	698.2	614.1	521.5	405.9	298.7	208.9	138.9	85.2	52.4	29.7
-40°	746.6	675.0	582.8	478.9	370.0	267.1	187.6	125.2	79.1	48.2	27.4
-42.5°	729.0	636.3	538.0	435.2	331.4	239.8	163.8	109.6	72.2	44.3	24.5
-45°	681.9	587.7	485.2	386.1	290.1	208.9	144.2	93.3	64.2	40.3	21.8
-47.5°	625.9	525.0	427.6	333.2	251.3	177.0	122.2	83.4	55.5	35.4	19.8
-50°	552.6	457.7	365.9	283.6	208.2	149.8	101.2	72.5	48.3	29.3	17.5
-52.5°	477.0	386.4	306.5	233.3	172.6	120.1	87.9	61.0	40.3	24.8	14.8
-55°	396.5	318.7	248.5	188.8	136.8	100.7	73.6	50.8	31.6	21.0	12.0
-57.5°	319.7	252.1	196.9	146.3	110.0	83.2	59.7	39.7	26.0	17.1	11.4
-60°	243.0	194.6	147.3	115.1	88.8	65.8	45.8	29.9	21.3	13.6	10.7
-62.5°	179.4	140.8	115.1	89.7	68.0	48.8	32.5	24.3	16.3	12.5	9.8
-65°	130.6	107.6	85.4	66.1	47.9	33.7	26.0	18.5	14.2	11.4	9.0
-67.5°	93.6	75.7	59.2	42.7	33.2	26.0	19.2	15.5	12.7	10.2	8.1
-70°	59.4	45.0	37.2	30.8	24.2	18.7	16.2	13.7	11.2	9.2	7.2
-72.5°	35.2	30.7	25.9	20.8	18.6	16.3	14.0	11.8	10.0	8.1	6.3
-75°	23.1	21.1	19.6	18.0	15.9	13.9	12.0	10.5	8.8	7.0	5.6
-77.5°	18.5	17.3	16.3	14.8	13.0	11.4	10.2	9.1	7.6	6.2	5.0
-80°	14.3	13.3	12.2	10.9	9.8	8.9	8.3	7.7	6.5	5.4	4.4
-82.5°	10.3	9.4	8.6	7.9	7.5	7.1	6.7	6.3	5.4	4.5	4.0
-85°	7.1	6.6	6.3	5.9	5.7	5.4	5.3	5.1	4.6	4.2	3.9
-87.5°	4.8	4.8	4.7	4.6	4.6	4.5	4.4	4.4	4.1	3.9	3.7
-90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



REPORT NUMBER: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	3.6	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	1.8	1.9	2.0	2.0	2.0	2.7	3.6
85°	1.8	2.0	2.1	2.2	2.1	2.8	3.6
82.5°	1.8	2.1	2.3	2.3	2.3	2.8	3.6
80°	1.9	2.2	2.4	2.5	2.4	2.9	3.6
77.5°	2.4	2.4	2.6	2.7	2.6	2.9	3.6
75°	2.8	2.7	2.8	2.9	2.8	3.0	3.6
72.5°	3.2	3.0	2.9	3.1	2.9	3.0	3.6
70°	3.6	3.2	3.1	3.2	3.1	3.0	3.6
67.5°	3.6	3.5	3.2	3.3	3.2	3.1	3.6
65°	3.6	3.6	3.4	3.4	3.3	3.1	3.6
62.5°	3.6	3.6	3.5	3.4	3.5	3.2	3.6
60°	3.6	3.6	3.6	3.5	3.6	3.2	3.6
57.5°	3.6	3.6	3.6	3.5	3.6	3.2	3.6
55°	3.6	3.6	3.6	3.5	3.6	3.3	3.6
52.5°	3.6	3.6	3.6	3.6	3.6	3.3	3.6
50°	3.6	3.6	3.6	3.6	3.6	3.4	3.6
47.5°	3.6	3.6	3.6	3.6	3.6	3.4	3.6
45°	3.6	3.6	3.6	3.6	3.6	3.4	3.6
42.5°	3.6	3.6	3.6	3.6	3.6	3.4	3.6
40°	3.6	3.6	3.6	3.6	3.6	3.5	3.6
37.5°	3.6	3.6	3.6	3.6	3.6	3.5	3.6
35°	3.6	3.6	3.6	3.6	3.6	3.5	3.6
32.5°	3.7	3.6	3.6	3.6	3.6	3.5	3.6
30°	3.8	3.6	3.6	3.6	3.6	3.5	3.6
27.5°	4.0	3.6	3.6	3.6	3.6	3.6	3.6
25°	4.3	3.6	3.6	3.6	3.6	3.6	3.6
22.5°	4.5	3.6	3.6	3.6	3.6	3.6	3.6
20°	4.7	3.8	3.6	3.6	3.6	3.6	3.6
17.5°	5.0	3.9	3.6	3.6	3.6	3.6	3.6
15°	5.4	4.1	3.6	3.6	3.6	3.6	3.6
12.5°	5.7	4.3	3.6	3.6	3.6	3.6	3.6
10°	6.0	4.5	3.6	3.6	3.6	3.6	3.6
7.5°	6.3	4.8	3.6	3.6	3.6	3.6	3.6
5°	6.6	5.0	3.6	3.6	3.6	3.6	3.6
2.5°	6.9	5.2	3.6	3.6	3.6	3.6	3.6
0°	7.1	5.4	3.6	3.6	3.6	3.6	3.6
-2.5°	8.8	6.0	3.8	3.6	3.6	3.6	3.6
-5°	10.4	6.5	3.9	3.6	3.6	3.6	3.6
-7.5°	11.9	7.0	4.1	3.6	3.6	3.6	3.6
-10°	13.2	7.5	4.2	3.6	3.6	3.6	3.6
-12.5°	14.5	7.9	4.3	3.6	3.6	3.6	3.6
-15°	15.5	8.2	4.4	3.6	3.6	3.6	3.6
-17.5°	16.3	8.4	4.5	3.6	3.6	3.6	3.6
-20°	16.9	8.5	4.5	3.6	3.6	3.6	3.6



REPORT NUMBER: P731462 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-4S-CV1

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.6	8.5	4.6	3.6	3.6	3.6	3.6
-25°	17.9	8.6	4.6	3.6	3.6	3.6	3.6
-27.5°	17.8	8.6	4.5	3.6	3.6	3.6	3.6
-30°	17.3	8.4	4.5	3.6	3.6	3.6	3.6
-32.5°	16.4	8.1	4.5	3.6	3.6	3.6	3.6
-35°	15.8	7.6	4.5	3.6	3.6	3.6	3.6
-37.5°	15.2	7.2	4.5	3.6	3.6	3.6	3.6
-40°	14.3	7.2	4.5	3.6	3.6	3.6	3.6
-42.5°	13.2	7.1	4.5	3.6	3.6	3.6	3.6
-45°	11.7	7.0	4.6	3.7	3.6	3.6	3.6
-47.5°	10.1	6.8	4.6	3.7	3.6	3.6	3.6
-50°	9.6	6.6	4.6	3.7	3.6	3.6	3.6
-52.5°	9.2	6.3	4.6	3.7	3.6	3.6	3.6
-55°	8.8	6.1	4.5	3.7	3.6	3.6	3.6
-57.5°	8.3	5.9	4.4	3.7	3.6	3.6	3.6
-60°	7.8	5.7	4.3	3.7	3.6	3.6	3.6
-62.5°	7.3	5.3	4.2	3.7	3.6	3.6	3.6
-65°	6.7	5.0	4.1	3.7	3.6	3.6	3.6
-67.5°	6.1	4.7	4.0	3.7	3.6	3.6	3.6
-70°	5.3	4.5	3.9	3.6	3.6	3.6	3.6
-72.5°	4.9	4.2	3.8	3.6	3.6	3.6	3.6
-75°	4.5	4.0	3.6	3.6	3.6	3.6	3.6
-77.5°	4.1	3.7	3.6	3.6	3.6	3.6	3.6
-80°	3.7	3.6	3.6	3.6	3.6	3.6	3.6
-82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6
-85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6
-87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6
-90°	1.8	1.8	1.8	1.8	1.8	2.7	3.6

(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

