

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: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-70-2S-CV2**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0530N-40-70-2S-CV2  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

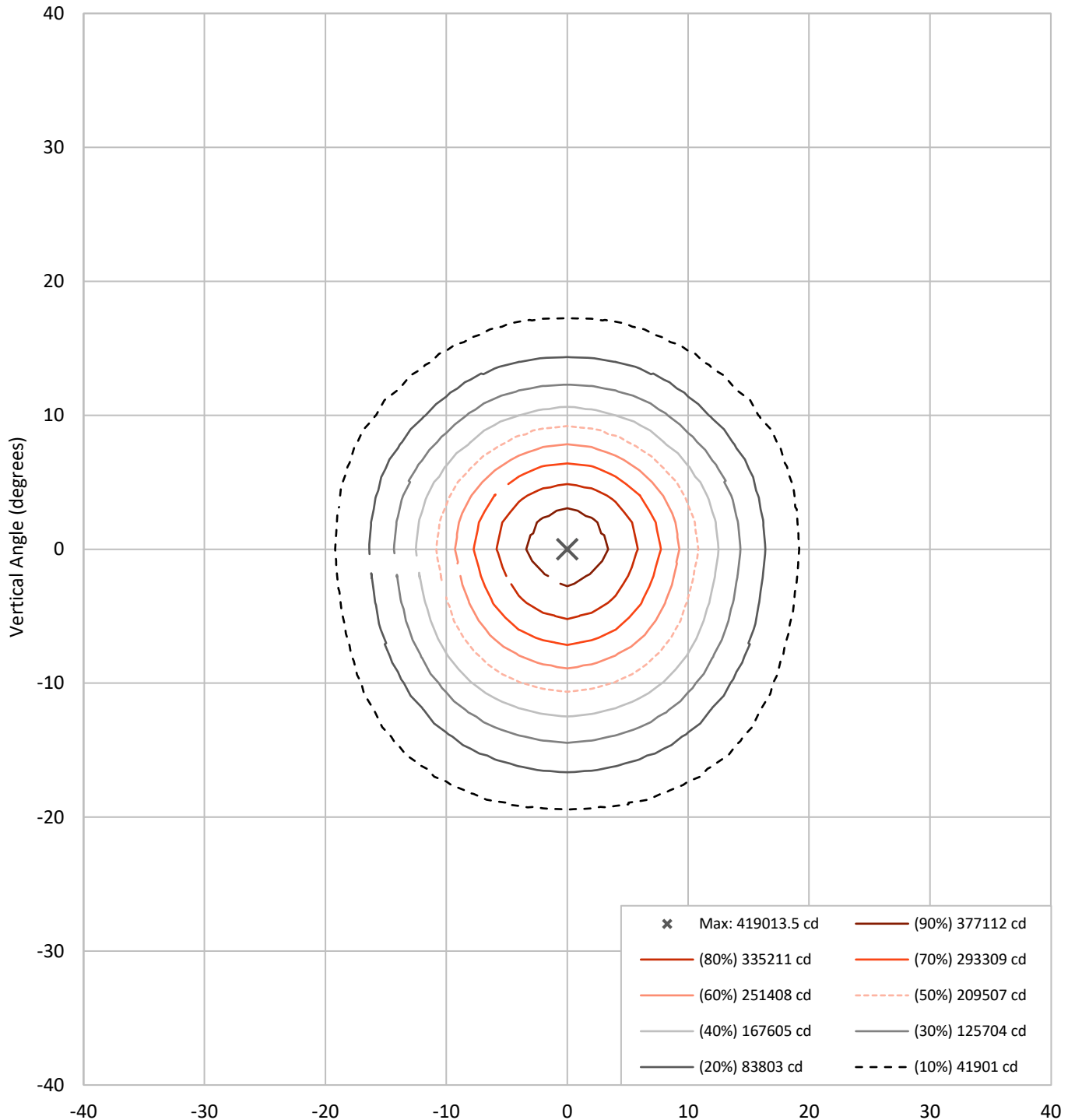
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	64864.2 lumens	Max Intensity:	419013.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	115.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.7°H x 19.8°V	Field Angle (10%):	38.4°H x 36.6°V
Beam Lumens:	29986.2 lumens	Field Lumens:	55938.2 lumens
Beam Efficiency:	46.2%	Field Efficiency:	86.2%

Input Watts (W): 561.4  
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: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV2

### Iso-Candela Plot





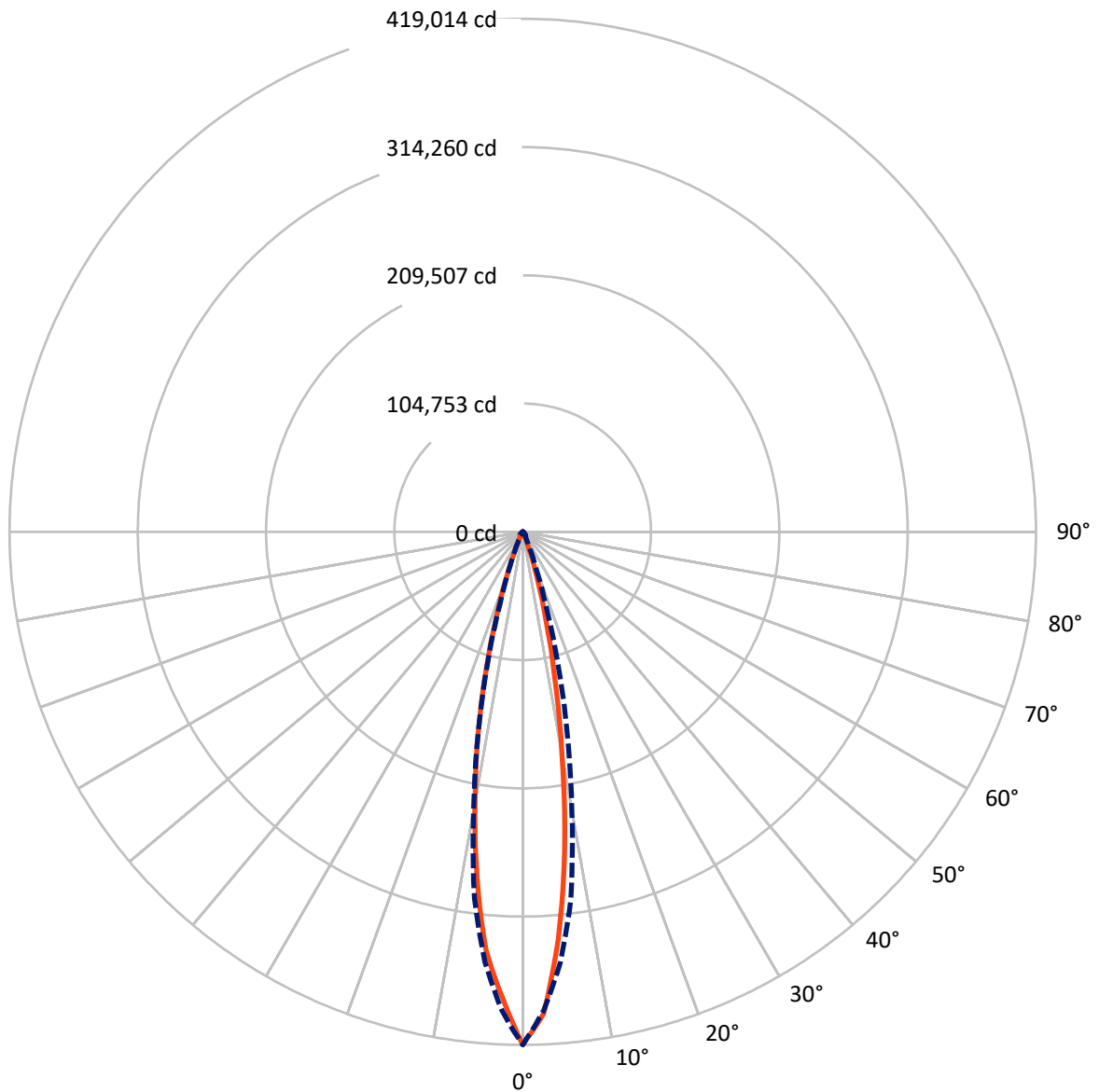
REPORT NUMBER: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV2

### Lumen Table

90	0.1	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.4	0.1					
80	0.1	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.4	0.1					
70	0.2	0.1	0.2	0.6	0.7	0.4	0.3	0.2	0.2	0.3	0.4	0.7	0.6	0.2	0.1	0.2
60		0.1	0.3	0.6	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.6	0.3	0.1	
50	0.2	0.2	0.4	0.5	0.6	0.9	1.2	1.3	1.3	1.2	0.9	0.6	0.5	0.4	0.2	0.2
40		0.2	0.8	1.8	3.8	6.0	7.3	8.5	8.5	7.3	6.0	3.8	1.8	0.8	0.2	
30	0.2	0.4	2.7	9.1	24.1	35.4	61.9	136.2	136.2	61.9	35.4	24.1	9.1	2.7	0.4	0.2
20		0.9	6.1	23.4	55.1	107.9	670.4	2091.7	2091.7	670.4	107.9	55.1	23.4	6.1	0.9	
10	0.3	1.7	10.4	43.4	90.1	290.3	2739.7	8160.3	8160.3	2739.7	290.3	90.1	43.4	10.4	1.7	0.3
0		2.8	13.6	50.9	100.9	291.3	2903.5	8507.8	8507.8	2903.5	291.3	100.9	50.9	13.6	2.8	
-10	0.5	3.2	13.8	47.0	99.6	166.6	1069.0	3085.2	3085.2	1069.0	166.6	99.6	47.0	13.8	3.2	0.5
-20		3.0	11.7	28.1	70.9	104.3	162.8	318.6	318.6	162.8	104.3	70.9	28.1	11.7	3.0	
-30	0.4	2.5	8.6	17.5	39.2	75.0	97.1	106.8	106.8	97.1	75.0	39.2	17.5	8.6	2.5	0.4
-40		1.7	5.9	13.0	22.2	36.7	63.7	86.0	86.0	63.7	36.7	22.2	13.0	5.9	1.7	
-50	0.3	0.8	3.5	8.4	15.4	23.0	29.5	33.1	33.1	29.5	23.0	15.4	8.4	3.5	0.8	0.3
-60		0.3	1.3	4.0	8.2	13.3	18.6	21.9	21.9	18.6	13.3	8.2	4.0	1.3	0.3	
-70	0.2	1.0	3.0	7.6	10.9	7.6	3.0	1.0	0.2							0.2
-80		1.0	3.0	7.6	10.9	7.6	3.0	1.0	0.2							
-90	0.2	1.0	3.0	7.6	10.9	7.6	3.0	1.0	0.2							0.2

REPORT NUMBER: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV2

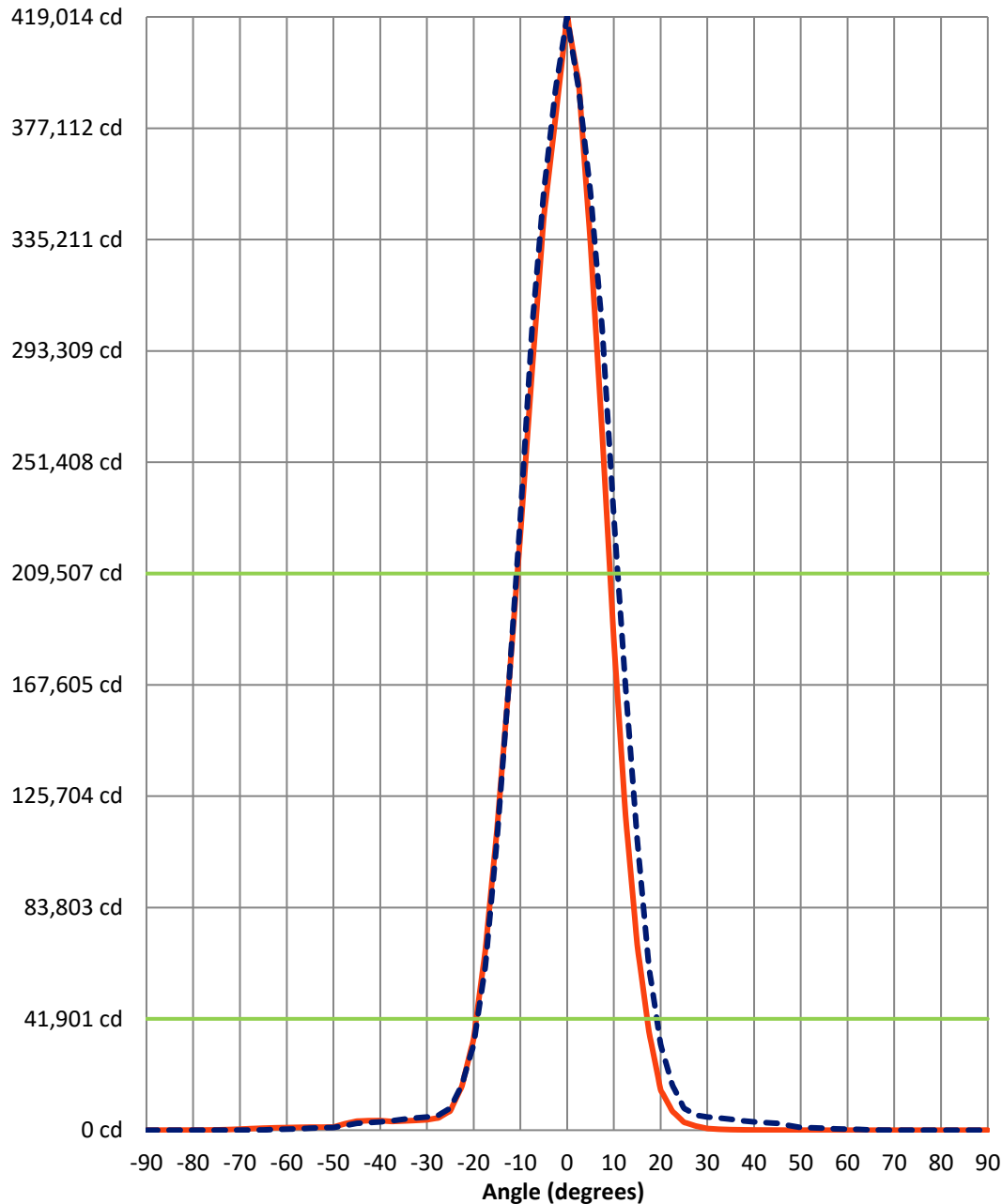
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV2

### Luminous Intensity Plot



**Beam:**  
 H Angle: 21.7°  
 V Angle: 19.8°  
 Lumens: 29986.2  
 Efficiency: 46.2%

**Field:**  
 H Angle: 38.4°  
 V Angle: 36.6°  
 Lumens: 55938.2  
 Efficiency: 86.2%

**Spill:**  
 Lumens: 8926  
 Efficiency: 13.8%

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



REPORT NUMBER: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV2

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	6.8	6.8	6.8	7.2	7.7	8.1	8.5	8.5	8.5	8.5	8.5
87.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.5	6.2	6.0	5.8
85°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.6	6.5	6.5	6.5
82.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
80°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
77.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
75°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
72.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
70°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.9
67.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.9	6.8	6.8	7.1	7.0
65°	6.8	6.8	6.8	6.8	6.8	6.9	6.9	6.8	7.2	7.3	7.2
62.5°	6.8	6.8	6.8	6.8	6.8	7.0	7.0	7.1	7.6	7.6	7.2
60°	6.8	6.8	6.8	6.8	6.8	7.1	7.1	7.6	8.0	7.7	7.3
57.5°	6.8	6.8	6.8	6.8	7.0	7.3	7.4	8.0	8.1	7.8	7.4
55°	6.8	6.8	6.8	6.8	7.1	7.5	7.8	8.5	8.2	7.9	7.5
52.5°	6.8	6.8	6.9	6.8	7.3	7.7	8.1	8.5	8.3	8.0	7.6
50°	6.8	6.8	6.9	6.8	7.5	7.9	8.3	8.5	8.4	8.1	8.9
47.5°	6.8	6.8	7.0	6.8	7.7	8.0	8.5	8.5	8.5	8.2	10.1
45°	6.8	6.8	7.0	7.0	7.9	8.2	8.5	8.5	8.6	8.9	11.1
42.5°	6.8	6.8	7.1	7.2	8.1	8.3	8.5	8.6	8.7	9.5	12.4
40°	6.8	6.8	7.1	7.3	8.3	8.4	8.5	8.7	9.0	9.9	13.7
37.5°	6.8	6.8	7.2	7.5	8.3	8.5	8.5	8.8	9.6	10.9	14.8
35°	6.8	6.8	7.3	7.7	8.4	8.5	8.5	9.0	10.4	12.7	15.4
32.5°	6.8	6.8	7.3	7.9	8.5	8.5	8.5	9.3	11.2	14.5	16.8
30°	6.8	6.8	7.4	8.0	8.5	8.5	8.7	9.6	12.1	16.4	18.5
27.5°	6.8	6.8	7.5	8.1	8.5	8.5	8.9	10.3	13.3	18.3	20.5
25°	6.8	6.8	7.6	8.2	8.5	8.5	9.1	11.1	14.9	20.1	22.9
22.5°	6.8	6.8	7.7	8.3	8.5	8.5	9.3	11.8	16.5	21.9	27.3
20°	6.8	6.8	7.8	8.3	8.5	8.6	9.5	12.6	18.0	23.8	31.4
17.5°	6.8	6.8	7.9	8.4	8.5	8.8	9.8	13.3	19.5	25.8	35.3
15°	6.8	6.8	8.0	8.4	8.5	9.0	10.1	14.1	21.0	27.9	38.9
12.5°	6.8	6.8	8.1	8.5	8.5	9.1	10.4	14.7	22.5	30.0	42.3
10°	6.8	6.8	8.2	8.5	8.5	9.3	10.7	15.3	23.9	33.3	47.4
7.5°	6.8	6.8	8.3	8.5	8.5	9.5	11.0	15.8	25.3	36.9	57.1
5°	6.8	6.8	8.3	8.5	8.5	9.7	11.3	16.2	26.5	40.5	67.0
2.5°	6.8	6.8	8.4	8.5	8.5	9.9	11.6	16.6	27.7	44.0	76.8
0°	6.8	6.8	8.5	8.5	8.5	10.1	11.8	16.9	28.7	47.3	86.2
-2.5°	6.8	6.8	8.5	8.6	8.6	10.5	13.2	20.9	37.2	61.8	111.3
-5°	6.8	6.9	8.5	8.7	8.8	10.8	14.4	24.6	45.3	75.6	135.0
-7.5°	6.8	6.9	8.5	8.8	8.9	11.1	15.7	28.1	52.8	88.6	156.7
-10°	6.8	6.9	8.5	8.9	9.1	11.4	16.7	31.2	59.5	100.2	175.8
-12.5°	6.8	7.0	8.4	9.0	9.2	11.7	17.7	33.8	65.2	110.3	187.1
-15°	6.8	7.0	8.4	9.1	9.3	11.9	18.4	35.9	70.3	118.3	193.9
-17.5°	6.8	7.0	8.4	9.1	9.5	12.0	18.9	38.2	75.0	124.8	198.4
-20°	6.8	7.1	8.4	9.2	9.6	12.1	19.5	40.3	78.5	129.8	200.7



REPORT NUMBER: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.8	7.1	8.3	9.2	9.7	12.1	20.2	41.4	80.6	133.2	200.6
-25°	6.8	7.1	8.3	9.2	9.9	12.3	20.5	41.4	81.3	134.8	198.0
-27.5°	6.8	7.1	8.3	9.2	10.0	12.5	20.3	40.1	80.6	135.0	199.0
-30°	6.8	7.2	8.3	9.2	10.1	12.5	19.7	37.5	79.0	133.8	197.9
-32.5°	6.8	7.2	8.3	9.2	10.3	12.5	18.5	36.1	75.9	130.5	194.6
-35°	6.8	7.2	8.2	9.1	10.5	12.4	18.0	34.7	71.0	125.1	188.8
-37.5°	6.8	7.2	8.2	9.1	10.6	12.3	17.8	32.6	64.1	117.6	174.3
-40°	6.8	7.2	8.2	9.0	10.6	12.5	17.5	29.7	55.1	108.0	158.3
-42.5°	6.8	7.2	8.2	8.9	10.6	12.5	17.0	26.0	48.9	93.2	140.9
-45°	6.8	7.2	8.2	8.7	10.5	12.5	16.3	23.1	43.8	77.0	122.2
-47.5°	6.8	7.2	8.2	8.6	10.3	12.3	15.5	22.2	37.6	60.3	103.3
-50°	6.8	7.2	8.2	8.6	10.1	12.1	15.1	21.0	29.9	51.4	83.7
-52.5°	6.8	7.2	8.2	8.6	9.9	11.9	14.7	19.5	26.0	41.8	64.2
-55°	6.8	7.2	8.2	8.6	9.6	11.5	14.2	18.0	23.9	31.4	52.3
-57.5°	6.8	7.2	8.3	8.6	9.4	11.1	13.5	17.1	21.7	27.1	39.6
-60°	6.8	7.2	8.3	8.6	9.1	10.7	12.8	16.0	19.6	24.5	29.6
-62.5°	6.8	7.1	8.2	8.6	9.0	10.3	12.2	14.8	18.2	21.8	26.6
-65°	6.8	7.1	8.1	8.6	8.9	9.8	11.5	13.7	16.8	20.0	23.6
-67.5°	6.8	7.1	8.0	8.5	8.9	9.4	10.8	12.9	15.4	18.4	21.4
-70°	6.8	7.1	7.9	8.5	8.8	9.3	10.1	12.1	14.4	16.7	19.6
-72.5°	6.8	7.0	7.8	8.4	8.6	9.0	9.7	11.2	13.4	15.6	17.8
-75°	6.8	7.0	7.6	8.2	8.5	8.8	9.3	10.7	12.4	14.5	16.6
-77.5°	6.8	7.0	7.5	8.0	8.4	8.6	8.9	10.2	11.7	13.4	15.3
-80°	6.8	6.9	7.4	7.9	8.2	8.4	8.5	9.6	10.9	12.4	14.0
-82.5°	6.8	6.9	7.2	7.7	8.1	8.3	8.5	9.2	10.2	11.3	12.6
-85°	6.8	6.9	7.1	7.6	7.9	8.3	8.5	9.0	9.6	10.4	11.3
-87.5°	6.8	6.8	6.9	7.4	7.8	8.2	8.5	8.7	9.1	9.4	9.9
-90°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.4	6.0	5.5	5.1





REPORT NUMBER: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.5	8.5	8.5	8.5	8.9	9.3	9.7	10.1	10.5	11.0	11.4
87.5°	5.7	5.5	5.3	5.1	5.1	5.1	5.1	5.1	4.7	4.3	3.8
85°	6.3	6.0	5.5	5.1	5.1	5.1	5.1	5.1	4.7	4.3	3.8
82.5°	6.4	6.0	5.6	5.1	5.1	5.1	5.1	5.1	4.7	4.3	3.9
80°	6.4	6.0	5.6	5.2	5.1	5.1	5.1	5.1	4.7	4.4	4.2
77.5°	6.5	6.1	5.6	5.2	5.1	5.4	5.7	6.0	5.9	5.8	5.6
75°	6.5	6.1	5.9	5.9	6.2	6.5	6.8	6.8	6.5	6.1	5.7
72.5°	6.6	6.4	6.5	6.8	6.8	6.8	6.8	6.8	7.6	8.7	9.6
70°	6.7	6.8	6.8	6.8	6.8	7.2	8.9	11.3	13.6	15.5	17.8
67.5°	6.8	6.8	6.8	7.0	8.1	10.1	12.7	19.5	27.2	29.6	29.6
65°	6.8	6.8	7.2	8.3	9.9	15.2	22.5	31.6	38.4	37.4	35.0
62.5°	6.8	7.0	7.9	10.4	15.1	22.0	29.1	35.6	42.2	41.1	35.7
60°	6.9	7.2	10.0	14.8	20.0	25.4	32.2	36.5	40.7	41.9	33.0
57.5°	7.0	8.8	13.5	18.5	23.2	27.2	29.7	33.5	35.9	36.3	27.2
55°	7.9	11.4	16.5	21.4	24.8	23.8	25.6	27.9	28.9	26.6	19.3
52.5°	10.1	14.0	19.1	23.2	23.7	21.8	21.3	22.3	20.6	17.6	15.2
50°	11.9	16.4	21.3	23.7	23.2	20.8	17.7	17.2	16.6	15.4	14.0
47.5°	13.8	18.6	22.9	24.5	22.8	20.6	17.0	16.6	16.6	17.6	16.6
45°	15.6	20.0	24.4	24.7	23.4	21.7	20.2	18.5	21.7	22.8	22.7
42.5°	17.2	20.9	24.8	25.2	25.8	25.4	24.9	26.8	28.7	30.5	31.1
40°	17.8	21.5	26.1	29.4	29.4	30.8	34.2	37.4	37.6	39.9	41.2
37.5°	18.1	23.6	29.8	37.3	35.0	39.2	45.0	53.8	55.1	49.9	57.1
35°	18.0	26.5	39.8	48.5	47.3	50.2	64.1	77.0	82.8	74.5	85.9
32.5°	19.8	30.3	52.7	62.0	70.5	73.8	87.2	112.8	127.0	132.3	141.9
30°	24.0	42.2	67.5	77.5	101.6	117.7	128.9	159.4	185.5	264.8	323.6
27.5°	29.4	56.7	82.3	105.2	140.7	168.4	192.4	223.8	319.8	464.2	614.3
25°	34.5	76.2	98.4	141.1	189.3	226.6	259.6	304.1	505.3	801.3	927.7
22.5°	44.9	98.6	124.1	181.6	242.3	286.5	334.5	454.9	726.6	1171.4	1223.5
20°	61.9	120.2	159.2	226.9	301.1	346.5	410.1	613.2	977.2	1317.0	1457.9
17.5°	80.1	143.8	197.8	280.4	370.4	421.8	496.2	765.6	1193.0	1495.6	1684.5
15°	99.2	168.9	234.8	339.0	443.6	514.7	668.4	974.9	1363.5	1704.8	1980.3
12.5°	118.5	194.9	270.1	401.2	520.4	606.4	877.1	1294.2	1649.2	1968.8	2342.9
10°	137.6	221.3	303.5	465.1	599.2	696.4	1107.0	1618.7	1967.2	2279.8	2663.3
7.5°	175.8	256.9	338.8	528.8	678.5	784.1	1347.2	1941.2	2259.0	2552.4	2928.6
5°	217.5	300.7	393.0	604.7	757.9	865.0	1566.1	2252.9	2527.9	2792.5	3160.0
2.5°	258.2	342.5	445.5	677.6	833.7	935.1	1678.1	2424.1	2698.9	2976.6	3359.8
0°	295.9	382.1	495.4	743.9	904.5	1000.9	1759.9	2568.1	2841.9	3131.0	3535.1
-2.5°	327.3	422.4	548.0	775.4	924.1	1017.6	1733.0	2566.7	2895.2	3216.4	3634.5
-5°	353.5	460.2	596.7	801.4	939.9	1031.4	1679.9	2526.1	2939.2	3284.7	3709.5
-7.5°	374.1	494.9	640.4	821.7	949.6	1038.3	1656.4	2543.0	3017.9	3344.7	3758.4
-10°	385.3	508.7	643.6	820.9	951.4	1039.8	1604.7	2508.2	3083.1	3398.1	3779.2
-12.5°	370.3	502.9	635.2	812.4	951.9	1039.2	1505.1	2416.0	3136.5	3448.9	3760.3
-15°	353.6	494.3	621.6	795.8	952.0	1036.8	1353.0	2262.6	3106.2	3357.9	3681.5
-17.5°	336.2	482.7	602.4	770.5	952.4	1032.6	1136.7	1933.5	2803.1	3165.4	3554.3
-20°	318.9	468.1	577.6	736.1	947.4	1004.9	1053.3	1599.3	2361.3	2920.6	3313.6



REPORT NUMBER: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	302.3	450.5	552.3	703.3	874.0	957.3	1003.2	1275.8	1906.4	2623.1	2954.0
-25°	293.2	424.6	530.3	653.1	797.3	907.6	947.1	1003.7	1504.6	2152.8	2625.9
-27.5°	288.6	402.1	500.9	603.1	726.3	848.0	890.8	940.0	1195.0	1692.5	2281.1
-30°	281.1	373.3	469.9	557.5	667.5	771.6	834.1	890.4	959.7	1333.5	1799.0
-32.5°	264.2	343.3	436.2	521.6	612.9	705.1	793.0	854.4	910.9	1012.3	1380.5
-35°	244.4	318.0	401.1	484.4	561.6	651.5	742.9	823.2	868.9	916.1	1078.5
-37.5°	227.9	291.2	365.4	445.8	520.0	601.5	690.3	775.2	838.3	881.3	943.0
-40°	210.2	263.0	333.1	406.3	479.0	552.6	634.2	716.8	795.5	861.4	911.0
-42.5°	191.1	241.9	300.9	366.5	436.1	505.3	576.5	655.0	737.9	823.7	888.1
-45°	170.2	219.6	268.8	330.2	391.8	456.3	522.5	591.8	675.7	758.0	839.5
-47.5°	147.8	195.7	243.2	293.4	350.2	407.7	466.9	537.5	611.3	689.0	765.5
-50°	124.5	169.2	216.7	262.5	310.9	361.7	414.5	484.0	554.4	621.6	690.3
-52.5°	102.0	141.1	186.6	232.8	275.7	320.4	371.0	432.1	497.9	562.9	624.1
-55°	78.8	114.9	154.1	198.6	242.7	282.7	330.4	384.6	440.1	501.8	561.2
-57.5°	60.8	88.4	122.7	160.8	203.6	247.5	292.9	338.6	389.2	441.4	492.6
-60°	45.3	65.4	91.7	124.6	160.0	202.9	252.5	297.8	340.8	383.6	430.2
-62.5°	31.4	47.2	65.8	88.6	119.5	154.6	197.2	244.1	294.2	332.0	369.4
-65°	28.0	32.4	45.2	62.2	79.4	108.7	142.4	179.3	221.8	260.5	300.9
-67.5°	24.5	28.4	32.5	39.2	54.5	70.7	88.0	117.9	150.2	177.9	206.7
-70°	22.2	24.6	27.9	31.7	35.5	42.1	56.3	71.3	86.2	102.4	125.5
-72.5°	20.1	22.2	24.4	26.5	29.7	33.0	36.1	39.2	47.8	59.5	70.3
-75°	18.2	19.9	21.9	23.8	25.5	27.3	29.5	32.3	34.9	37.7	40.7
-77.5°	16.4	17.6	19.1	20.8	22.2	23.3	24.7	26.3	28.0	29.6	31.2
-80°	14.7	15.2	16.0	17.1	18.3	19.4	20.3	21.1	22.0	23.3	24.6
-82.5°	13.1	13.5	13.9	14.2	14.9	15.7	16.6	17.5	18.0	18.6	19.3
-85°	11.5	11.8	12.1	12.3	12.6	13.0	13.4	13.9	14.2	14.5	14.8
-87.5°	10.0	10.1	10.3	10.4	10.7	10.9	11.1	11.3	11.5	11.6	11.7
-90°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	4.7	4.3	3.8



REPORT NUMBER: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	11.8	11.8	11.8	11.8	11.8	14.3	16.9	19.4	22.0	25.8	29.6
87.5°	3.4	3.3	3.3	3.3	3.2	2.9	2.5	2.1	1.7	1.3	0.9
85°	3.4	3.4	3.4	3.4	3.4	3.0	2.6	2.1	1.7	1.7	1.7
82.5°	3.4	3.4	3.4	3.4	3.4	3.0	2.6	2.1	1.7	1.7	1.7
80°	3.9	3.9	3.8	3.7	3.4	3.0	2.6	2.2	1.7	1.7	1.7
77.5°	5.2	4.8	4.4	3.9	3.5	3.3	3.2	3.1	3.1	2.9	2.5
75°	5.3	5.1	5.2	5.0	4.4	4.1	4.0	3.8	3.5	3.3	3.3
72.5°	10.2	10.2	9.6	9.0	8.1	7.6	7.4	6.9	6.3	5.9	5.7
70°	18.6	18.2	17.5	16.1	13.7	11.8	10.7	9.6	8.5	8.1	8.2
67.5°	27.0	24.2	22.0	19.3	16.0	13.5	12.2	10.8	9.2	8.5	8.5
65°	31.3	25.5	21.7	18.8	16.7	14.3	12.1	10.1	8.2	7.4	7.6
62.5°	29.6	22.1	17.5	14.7	12.8	11.5	9.8	8.4	7.3	6.8	6.9
60°	24.5	16.4	12.4	11.0	9.8	8.6	8.0	7.3	6.4	5.7	5.9
57.5°	19.1	13.1	10.0	9.6	9.1	8.7	8.0	7.2	6.6	6.2	6.5
55°	14.2	11.7	10.2	10.3	10.1	9.3	8.4	8.3	8.1	7.9	8.1
52.5°	12.4	12.4	12.8	12.7	11.5	10.6	10.0	10.0	10.2	10.5	10.9
50°	14.1	14.6	14.4	13.2	13.0	12.6	11.8	12.5	13.5	13.9	14.2
47.5°	16.9	17.1	17.3	16.2	16.5	17.7	18.0	18.5	20.4	21.8	23.1
45°	21.7	23.5	24.0	24.7	25.2	27.7	29.0	29.6	35.0	37.4	37.8
42.5°	31.2	34.1	36.5	40.2	39.7	46.0	54.1	58.5	58.2	56.5	56.4
40°	45.7	50.7	61.9	67.9	74.3	81.7	82.4	73.4	73.5	82.6	82.2
37.5°	70.5	87.8	103.6	117.5	121.0	116.8	118.4	125.2	133.4	134.2	138.2
35°	118.9	154.0	162.1	172.8	184.6	173.5	172.1	183.1	179.4	198.4	212.0
32.5°	205.6	255.3	270.5	283.4	316.3	297.3	244.8	321.2	304.1	325.4	357.7
30°	327.0	424.9	490.7	510.4	518.6	520.9	570.3	614.1	648.7	694.9	760.4
27.5°	619.4	684.3	793.7	855.1	777.8	809.7	936.4	959.5	1089.9	1231.8	1348.2
25°	942.0	1014.8	1209.5	1233.9	1169.4	1287.9	1410.5	1435.9	1666.1	1833.2	2233.1
22.5°	1233.5	1355.5	1563.9	1623.0	1676.7	1817.7	1960.0	2129.8	2648.4	3291.5	4458.5
20°	1480.3	1616.5	1820.1	1984.5	2118.7	2298.5	2464.4	3044.1	4161.1	6604.3	9261.9
17.5°	1779.0	1863.4	2115.1	2335.0	2545.3	2803.0	3536.0	5000.0	8233.9	13557.4	18602.9
15°	2181.5	2349.2	2505.4	2743.4	3136.3	3885.6	5503.0	10272.0	17037.4	26322.9	37824.3
12.5°	2645.6	2876.9	3093.5	3295.3	3859.0	5626.3	10787.3	19057.2	30430.0	45346.3	67918.6
10°	3060.1	3413.4	3679.3	4031.5	5123.3	8560.1	16527.3	28218.8	48202.9	74558.5	104015.5
7.5°	3347.8	3767.7	4126.3	4649.9	6430.3	12252.6	23281.9	41489.0	69895.7	105408.3	145144.9
5°	3621.6	4095.1	4447.1	5091.1	7294.4	14817.6	28401.7	52550.1	91128.1	138053.0	189070.7
2.5°	3880.2	4384.1	4730.2	5486.4	7839.9	15986.6	30546.1	59426.5	104862.0	160444.8	221036.2
0°	4120.1	4596.8	4958.6	5672.1	8301.0	17109.1	32370.4	61643.6	109501.9	167037.4	230767.2
-2.5°	4075.3	4429.7	4830.2	5545.4	7862.4	15905.5	30244.4	59039.5	104054.6	159167.4	217788.0
-5°	4059.7	4347.0	4708.7	5356.9	7320.6	13743.6	26861.6	53159.7	95129.1	144796.7	199396.6
-7.5°	4071.6	4299.8	4582.6	5118.7	6666.5	11619.9	23355.0	46082.9	80748.5	122800.7	172106.6
-10°	4097.1	4273.7	4560.3	5031.9	6115.4	9287.6	17674.9	35504.9	63488.9	96936.1	135355.5
-12.5°	4141.4	4379.2	4666.8	4987.3	5561.5	7397.6	13900.8	27561.4	46941.7	70439.8	99673.6
-15°	4126.2	4432.8	4757.7	4955.7	5268.3	6290.3	9016.6	18198.5	32479.7	48064.2	65756.1
-17.5°	4015.1	4382.2	4525.0	4678.5	4868.7	5372.1	6893.8	10975.7	19108.1	29347.9	39301.5
-20°	3757.1	3942.8	4121.4	4304.7	4515.2	4793.1	5266.4	6856.5	9237.8	15048.4	19906.0



REPORT NUMBER: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3272.8	3451.5	3606.3	3903.5	4116.1	4320.2	4580.9	4925.0	5840.9	7279.6	9670.8
-25°	2857.3	2967.5	3185.2	3532.2	3760.7	3882.9	4046.4	4176.9	4490.9	4825.1	5651.0
-27.5°	2525.3	2690.4	2958.7	3262.6	3481.7	3580.0	3665.9	3742.6	3939.8	4076.4	4311.0
-30°	2262.6	2529.9	2781.3	3059.4	3260.8	3377.7	3414.3	3525.1	3653.6	3751.2	3846.2
-32.5°	1885.7	2356.0	2584.7	2815.1	3042.6	3186.4	3285.1	3372.3	3492.9	3567.8	3605.2
-35°	1480.0	1961.4	2411.7	2566.2	2731.6	2938.2	3106.5	3195.3	3274.7	3346.8	3392.4
-37.5°	1116.9	1511.3	1930.5	2307.4	2484.5	2639.1	2883.7	3031.9	3103.8	3211.5	3272.7
-40°	968.6	1080.6	1438.2	1791.1	2108.8	2461.0	2699.0	2927.4	3153.1	3291.4	3381.3
-42.5°	935.4	981.1	1023.6	1271.0	1588.5	1907.6	2258.4	2645.8	2969.8	3213.8	3440.4
-45°	908.6	943.4	977.5	1016.3	1053.5	1297.6	1571.8	1860.6	2233.3	2594.2	2905.8
-47.5°	839.4	905.1	943.6	972.8	1003.1	1036.9	1068.0	1133.5	1384.2	1650.7	1903.8
-50°	760.6	825.9	884.3	938.4	977.4	1003.6	1023.2	1048.9	1078.8	1105.4	1129.8
-52.5°	683.1	746.4	805.7	864.5	919.6	970.4	1017.2	1046.8	1069.5	1089.5	1101.8
-55°	618.0	672.6	725.7	783.8	840.5	894.4	945.3	991.1	1034.1	1074.3	1097.4
-57.5°	546.7	600.4	653.7	707.4	759.0	808.6	857.7	905.6	951.0	992.5	1017.6
-60°	476.2	521.3	574.3	629.4	680.9	728.9	777.8	824.1	867.1	903.6	926.1
-62.5°	410.0	452.1	496.1	545.1	598.0	649.7	693.3	737.2	781.1	818.8	844.6
-65°	339.8	375.1	410.8	449.1	489.6	532.0	575.5	618.3	660.1	694.2	718.7
-67.5°	240.5	275.5	309.6	343.7	374.8	406.1	439.4	473.0	506.5	534.0	555.6
-70°	148.2	170.2	190.8	212.9	238.9	266.1	293.9	319.8	343.9	361.7	374.8
-72.5°	80.0	88.8	99.4	116.0	131.4	147.7	164.5	180.5	195.7	206.9	215.3
-75°	43.8	47.7	54.6	61.1	67.2	74.4	81.8	88.7	95.1	101.4	107.2
-77.5°	33.1	35.1	36.9	38.5	40.0	42.5	45.4	48.3	51.2	55.0	59.0
-80°	25.9	26.9	27.9	28.9	29.9	31.7	33.6	35.4	37.2	39.0	40.7
-82.5°	20.0	20.5	21.0	21.4	21.8	22.9	24.1	25.3	26.4	28.2	30.0
-85°	15.1	15.4	15.8	16.0	16.3	17.1	18.1	19.0	19.9	21.3	22.7
-87.5°	11.8	12.2	12.5	12.9	13.3	14.0	14.5	15.0	15.4	16.7	17.9
-90°	3.4	3.0	2.6	2.1	1.7	1.7	1.7	1.7	1.7	1.3	0.9



REPORT NUMBER: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	33.4	37.2	39.7	42.3	39.7	37.2	33.4	29.6	25.8	22.0	19.4
87.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	1.7	2.1
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.2
77.5°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.1	3.1
75°	3.3	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.5	3.8
72.5°	5.5	5.1	5.1	5.1	5.1	5.1	5.5	5.7	5.9	6.3	6.9
70°	8.3	8.4	8.5	8.5	8.5	8.4	8.3	8.2	8.1	8.5	9.6
67.5°	8.5	8.5	7.7	6.8	7.7	8.5	8.5	8.5	8.5	9.2	10.8
65°	8.0	8.4	7.7	6.8	7.7	8.4	8.0	7.6	7.4	8.2	10.1
62.5°	6.9	6.9	6.8	6.8	6.8	6.9	6.9	6.9	6.8	7.3	8.4
60°	6.3	6.7	6.8	6.8	6.8	6.7	6.3	5.9	5.7	6.4	7.3
57.5°	6.7	6.8	7.5	8.5	7.5	6.8	6.7	6.5	6.2	6.6	7.2
55°	8.3	8.4	8.5	8.5	8.5	8.4	8.3	8.1	7.9	8.1	8.3
52.5°	11.3	11.6	11.7	11.8	11.7	11.6	11.3	10.9	10.5	10.2	10.0
50°	14.6	15.0	14.6	13.5	14.6	15.0	14.6	14.2	13.9	13.5	12.5
47.5°	24.3	24.9	24.6	23.7	24.6	24.9	24.3	23.1	21.8	20.4	18.5
45°	38.7	38.7	38.6	38.9	38.6	38.7	38.7	37.8	37.4	35.0	29.6
42.5°	57.9	58.5	58.7	59.2	58.7	58.5	57.9	56.4	56.5	58.2	58.5
40°	83.7	84.1	83.1	81.2	83.1	84.1	83.7	82.2	82.6	73.5	73.4
37.5°	145.3	148.6	147.7	145.4	147.7	148.6	145.3	138.2	134.2	133.4	125.2
35°	217.0	215.0	209.2	209.6	209.2	215.0	217.0	212.0	198.4	179.4	183.1
32.5°	338.9	351.0	354.8	356.7	354.8	351.0	338.9	357.7	325.4	304.1	321.2
30°	806.6	782.2	674.0	640.7	674.0	782.2	806.6	760.4	694.9	648.7	614.1
27.5°	1432.9	1510.0	1580.7	1587.5	1580.7	1510.0	1432.9	1348.2	1231.8	1089.9	959.5
25°	2646.1	2906.1	3015.7	3000.9	3015.7	2906.1	2646.1	2233.1	1833.2	1666.1	1435.9
22.5°	5838.3	6725.5	7187.8	7203.8	7187.8	6725.5	5838.3	4458.5	3291.5	2648.4	2129.8
20°	12739.2	14880.3	15421.0	15259.6	15421.0	14880.3	12739.2	9261.9	6604.3	4161.1	3044.1
17.5°	26266.8	32600.7	36924.9	37222.5	36924.9	32600.7	26266.8	18602.9	13557.4	8233.9	5000.0
15°	51123.2	62766.1	68803.9	69829.7	68803.9	62766.1	51123.2	37824.3	26322.9	17037.4	10272.0
12.5°	89308.4	107029.8	116889.8	118577.3	116889.8	107029.8	89308.4	67918.6	45346.3	30430.0	19057.2
10°	136223.5	160940.5	177012.1	184266.5	177012.1	160940.5	136223.5	104015.5	74558.5	48202.9	28218.8
7.5°	184362.1	223301.9	255102.6	262312.7	255102.6	223301.9	184362.1	145144.9	105408.3	69895.7	41489.0
5°	243915.9	296128.2	326666.9	333719.7	326666.9	296128.2	243915.9	189070.7	138053.0	91128.1	52550.1
2.5°	288078.5	344215.5	376223.5	393813.0	376223.5	344215.5	288078.5	221036.2	160444.8	104862.0	59426.5
0°	301783.8	352864.3	391344.7	419013.5	391344.7	352864.3	301783.8	230767.2	167037.4	109501.9	61643.6
-2.5°	283233.4	337394.9	365316.5	380872.1	365316.5	337394.9	283233.4	217788.0	159167.4	104054.6	59039.5
-5°	253721.7	303508.3	333958.8	343346.1	333958.8	303508.3	253721.7	199396.6	144796.7	95129.1	53159.7
-7.5°	215057.4	251415.2	274219.7	285718.5	274219.7	251415.2	215057.4	172106.6	122800.7	80748.5	46082.9
-10°	173206.7	200800.6	217810.4	224172.1	217810.4	200800.6	173206.7	135355.5	96936.1	63488.9	35504.9
-12.5°	126863.0	148840.9	161908.8	166950.3	161908.8	148840.9	126863.0	99673.6	70439.8	46941.7	27561.4
-15°	83735.5	99578.3	109630.2	113140.2	109630.2	99578.3	83735.5	65756.1	48064.2	32479.7	18198.5
-17.5°	50751.9	59497.2	66004.1	67645.4	66004.1	59497.2	50751.9	39301.5	29347.9	19108.1	10975.7
-20°	26857.1	30792.5	32990.2	34477.0	32990.2	30792.5	26857.1	19906.0	15048.4	9237.8	6856.5



REPORT NUMBER: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	12732.3	14875.5	15863.2	16617.2	15863.2	14875.5	12732.3	9670.8	7279.6	5840.9	4925.0
-25°	6372.0	6815.3	7008.4	7278.2	7008.4	6815.3	6372.0	5651.0	4825.1	4490.9	4176.9
-27.5°	4469.4	4573.5	4614.5	4647.5	4614.5	4573.5	4469.4	4311.0	4076.4	3939.8	3742.6
-30°	3894.8	3912.0	3909.5	3907.0	3909.5	3912.0	3894.8	3846.2	3751.2	3653.6	3525.1
-32.5°	3645.6	3663.9	3662.6	3660.2	3662.6	3663.9	3645.6	3605.2	3567.8	3492.9	3372.3
-35°	3421.6	3445.3	3457.1	3462.4	3457.1	3445.3	3421.6	3392.4	3346.8	3274.7	3195.3
-37.5°	3306.9	3312.0	3298.5	3283.2	3298.5	3312.0	3306.9	3272.7	3211.5	3103.8	3031.9
-40°	3425.4	3505.8	3586.5	3611.2	3586.5	3505.8	3425.4	3381.3	3291.4	3153.1	2927.4
-42.5°	3515.1	3566.7	3590.0	3582.4	3590.0	3566.7	3515.1	3440.4	3213.8	2969.8	2645.8
-45°	3111.7	3271.7	3366.5	3389.7	3366.5	3271.7	3111.7	2905.8	2594.2	2233.3	1860.6
-47.5°	2116.1	2295.3	2408.2	2444.6	2408.2	2295.3	2116.1	1903.8	1650.7	1384.2	1133.5
-50°	1153.5	1176.1	1183.5	1176.7	1183.5	1176.1	1153.5	1129.8	1105.4	1078.8	1048.9
-52.5°	1114.0	1127.4	1136.0	1141.2	1136.0	1127.4	1114.0	1101.8	1089.5	1069.5	1046.8
-55°	1117.1	1134.2	1143.7	1147.9	1143.7	1134.2	1117.1	1097.4	1074.3	1034.1	991.1
-57.5°	1039.9	1059.2	1068.5	1071.9	1068.5	1059.2	1039.9	1017.6	992.5	951.0	905.6
-60°	946.4	964.8	971.9	973.8	971.9	964.8	946.4	926.1	903.6	867.1	824.1
-62.5°	868.5	890.1	899.4	902.8	899.4	890.1	868.5	844.6	818.8	781.1	737.2
-65°	740.3	758.8	765.1	765.9	765.1	758.8	740.3	718.7	694.2	660.1	618.3
-67.5°	575.0	591.7	597.6	598.5	597.6	591.7	575.0	555.6	534.0	506.5	473.0
-70°	385.5	393.5	396.9	397.3	396.9	393.5	385.5	374.8	361.7	343.9	319.8
-72.5°	221.9	226.7	228.3	228.2	228.3	226.7	221.9	215.3	206.9	195.7	180.5
-75°	112.4	116.9	118.0	118.3	118.0	116.9	112.4	107.2	101.4	95.1	88.7
-77.5°	63.1	67.0	67.5	67.6	67.5	67.0	63.1	59.0	55.0	51.2	48.3
-80°	42.3	43.8	44.0	44.0	44.0	43.8	42.3	40.7	39.0	37.2	35.4
-82.5°	31.9	33.7	33.8	33.8	33.8	33.7	31.9	30.0	28.2	26.4	25.3
-85°	24.0	25.4	26.2	27.1	26.2	25.4	24.0	22.7	21.3	19.9	19.0
-87.5°	19.1	20.4	21.2	22.0	21.2	20.4	19.1	17.9	16.7	15.4	15.0
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	1.7	1.7



REPORT NUMBER: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	16.9	14.3	11.8	11.8	11.8	11.8	11.8	11.4	11.0	10.5	10.1
87.5°	2.5	2.9	3.2	3.3	3.3	3.3	3.4	3.8	4.3	4.7	5.1
85°	2.6	3.0	3.4	3.4	3.4	3.4	3.4	3.8	4.3	4.7	5.1
82.5°	2.6	3.0	3.4	3.4	3.4	3.4	3.4	3.9	4.3	4.7	5.1
80°	2.6	3.0	3.4	3.7	3.8	3.9	3.9	4.2	4.4	4.7	5.1
77.5°	3.2	3.3	3.5	3.9	4.4	4.8	5.2	5.6	5.8	5.9	6.0
75°	4.0	4.1	4.4	5.0	5.2	5.1	5.3	5.7	6.1	6.5	6.8
72.5°	7.4	7.6	8.1	9.0	9.6	10.2	10.2	9.6	8.7	7.6	6.8
70°	10.7	11.8	13.7	16.1	17.5	18.2	18.6	17.8	15.5	13.6	11.3
67.5°	12.2	13.5	16.0	19.3	22.0	24.2	27.0	29.6	29.6	27.2	19.5
65°	12.1	14.3	16.7	18.8	21.7	25.5	31.3	35.0	37.4	38.4	31.6
62.5°	9.8	11.5	12.8	14.7	17.5	22.1	29.6	35.7	41.1	42.2	35.6
60°	8.0	8.6	9.8	11.0	12.4	16.4	24.5	33.0	41.9	40.7	36.5
57.5°	8.0	8.7	9.1	9.6	10.0	13.1	19.1	27.2	36.3	35.9	33.5
55°	8.4	9.3	10.1	10.3	10.2	11.7	14.2	19.3	26.6	28.9	27.9
52.5°	10.0	10.6	11.5	12.7	12.8	12.4	12.4	15.2	17.6	20.6	22.3
50°	11.8	12.6	13.0	13.2	14.4	14.6	14.1	14.0	15.4	16.6	17.2
47.5°	18.0	17.7	16.5	16.2	17.3	17.1	16.9	16.6	17.6	16.6	16.6
45°	29.0	27.7	25.2	24.7	24.0	23.5	21.7	22.7	22.8	21.7	18.5
42.5°	54.1	46.0	39.7	40.2	36.5	34.1	31.2	31.1	30.5	28.7	26.8
40°	82.4	81.7	74.3	67.9	61.9	50.7	45.7	41.2	39.9	37.6	37.4
37.5°	118.4	116.8	121.0	117.5	103.6	87.8	70.5	57.1	49.9	55.1	53.8
35°	172.1	173.5	184.6	172.8	162.1	154.0	118.9	85.9	74.5	82.8	77.0
32.5°	244.8	297.3	316.3	283.4	270.5	255.3	205.6	141.9	132.3	127.0	112.8
30°	570.3	520.9	518.6	510.4	490.7	424.9	327.0	323.6	264.8	185.5	159.4
27.5°	936.4	809.7	777.8	855.1	793.7	684.3	619.4	614.3	464.2	319.8	223.8
25°	1410.5	1287.9	1169.4	1233.9	1209.5	1014.8	942.0	927.7	801.3	505.3	304.1
22.5°	1960.0	1817.7	1676.7	1623.0	1563.9	1355.5	1233.5	1223.5	1171.4	726.6	454.9
20°	2464.4	2298.5	2118.7	1984.5	1820.1	1616.5	1480.3	1457.9	1317.0	977.2	613.2
17.5°	3536.0	2803.0	2545.3	2335.0	2115.1	1863.4	1779.0	1684.5	1495.6	1193.0	765.6
15°	5503.0	3885.6	3136.3	2743.4	2505.4	2349.2	2181.5	1980.3	1704.8	1363.5	974.9
12.5°	10787.3	5626.3	3859.0	3295.3	3093.5	2876.9	2645.6	2342.9	1968.8	1649.2	1294.2
10°	16527.3	8560.1	5123.3	4031.5	3679.3	3413.4	3060.1	2663.3	2279.8	1967.2	1618.7
7.5°	23281.9	12252.6	6430.3	4649.9	4126.3	3767.7	3347.8	2928.6	2552.4	2259.0	1941.2
5°	28401.7	14817.6	7294.4	5091.1	4447.1	4095.1	3621.6	3160.0	2792.5	2527.9	2252.9
2.5°	30546.1	15986.6	7839.9	5486.4	4730.2	4384.1	3880.2	3359.8	2976.6	2698.9	2424.1
0°	32370.4	17109.1	8301.0	5672.1	4958.6	4596.8	4120.1	3535.1	3131.0	2841.9	2568.1
-2.5°	30244.4	15905.5	7862.4	5545.4	4830.2	4429.7	4075.3	3634.5	3216.4	2895.2	2566.7
-5°	26861.6	13743.6	7320.6	5356.9	4708.7	4347.0	4059.7	3709.5	3284.7	2939.2	2526.1
-7.5°	23355.0	11619.9	6666.5	5118.7	4582.6	4299.8	4071.6	3758.4	3344.7	3017.9	2543.0
-10°	17674.9	9287.6	6115.4	5031.9	4560.3	4273.7	4097.1	3779.2	3398.1	3083.1	2508.2
-12.5°	13900.8	7397.6	5561.5	4987.3	4666.8	4379.2	4141.4	3760.3	3448.9	3136.5	2416.0
-15°	9016.6	6290.3	5268.3	4955.7	4757.7	4432.8	4126.2	3681.5	3357.9	3106.2	2262.6
-17.5°	6893.8	5372.1	4868.7	4678.5	4525.0	4382.2	4015.1	3554.3	3165.4	2803.1	1933.5
-20°	5266.4	4793.1	4515.2	4304.7	4121.4	3942.8	3757.1	3313.6	2920.6	2361.3	1599.3



REPORT NUMBER: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4580.9	4320.2	4116.1	3903.5	3606.3	3451.5	3272.8	2954.0	2623.1	1906.4	1275.8
-25°	4046.4	3882.9	3760.7	3532.2	3185.2	2967.5	2857.3	2625.9	2152.8	1504.6	1003.7
-27.5°	3665.9	3580.0	3481.7	3262.6	2958.7	2690.4	2525.3	2281.1	1692.5	1195.0	940.0
-30°	3414.3	3377.7	3260.8	3059.4	2781.3	2529.9	2262.6	1799.0	1333.5	959.7	890.4
-32.5°	3285.1	3186.4	3042.6	2815.1	2584.7	2356.0	1885.7	1380.5	1012.3	910.9	854.4
-35°	3106.5	2938.2	2731.6	2566.2	2411.7	1961.4	1480.0	1078.5	916.1	868.9	823.2
-37.5°	2883.7	2639.1	2484.5	2307.4	1930.5	1511.3	1116.9	943.0	881.3	838.3	775.2
-40°	2699.0	2461.0	2108.8	1791.1	1438.2	1080.6	968.6	911.0	861.4	795.5	716.8
-42.5°	2258.4	1907.6	1588.5	1271.0	1023.6	981.1	935.4	888.1	823.7	737.9	655.0
-45°	1571.8	1297.6	1053.5	1016.3	977.5	943.4	908.6	839.5	758.0	675.7	591.8
-47.5°	1068.0	1036.9	1003.1	972.8	943.6	905.1	839.4	765.5	689.0	611.3	537.5
-50°	1023.2	1003.6	977.4	938.4	884.3	825.9	760.6	690.3	621.6	554.4	484.0
-52.5°	1017.2	970.4	919.6	864.5	805.7	746.4	683.1	624.1	562.9	497.9	432.1
-55°	945.3	894.4	840.5	783.8	725.7	672.6	618.0	561.2	501.8	440.1	384.6
-57.5°	857.7	808.6	759.0	707.4	653.7	600.4	546.7	492.6	441.4	389.2	338.6
-60°	777.8	728.9	680.9	629.4	574.3	521.3	476.2	430.2	383.6	340.8	297.8
-62.5°	693.3	649.7	598.0	545.1	496.1	452.1	410.0	369.4	332.0	294.2	244.1
-65°	575.5	532.0	489.6	449.1	410.8	375.1	339.8	300.9	260.5	221.8	179.3
-67.5°	439.4	406.1	374.8	343.7	309.6	275.5	240.5	206.7	177.9	150.2	117.9
-70°	293.9	266.1	238.9	212.9	190.8	170.2	148.2	125.5	102.4	86.2	71.3
-72.5°	164.5	147.7	131.4	116.0	99.4	88.8	80.0	70.3	59.5	47.8	39.2
-75°	81.8	74.4	67.2	61.1	54.6	47.7	43.8	40.7	37.7	34.9	32.3
-77.5°	45.4	42.5	40.0	38.5	36.9	35.1	33.1	31.2	29.6	28.0	26.3
-80°	33.6	31.7	29.9	28.9	27.9	26.9	25.9	24.6	23.3	22.0	21.1
-82.5°	24.1	22.9	21.8	21.4	21.0	20.5	20.0	19.3	18.6	18.0	17.5
-85°	18.1	17.1	16.3	16.0	15.8	15.4	15.1	14.8	14.5	14.2	13.9
-87.5°	14.5	14.0	13.3	12.9	12.5	12.2	11.8	11.7	11.6	11.5	11.3
-90°	1.7	1.7	1.7	2.1	2.6	3.0	3.4	3.8	4.3	4.7	5.1





REPORT NUMBER: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	9.7	9.3	8.9	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
87.5°	5.1	5.1	5.1	5.1	5.3	5.5	5.7	5.8	6.0	6.2	6.5
85°	5.1	5.1	5.1	5.1	5.5	6.0	6.3	6.5	6.5	6.5	6.6
82.5°	5.1	5.1	5.1	5.1	5.6	6.0	6.4	6.8	6.8	6.8	6.8
80°	5.1	5.1	5.1	5.2	5.6	6.0	6.4	6.8	6.8	6.8	6.8
77.5°	5.7	5.4	5.1	5.2	5.6	6.1	6.5	6.8	6.8	6.8	6.8
75°	6.8	6.5	6.2	5.9	5.9	6.1	6.5	6.8	6.8	6.8	6.8
72.5°	6.8	6.8	6.8	6.8	6.5	6.4	6.6	6.8	6.8	6.8	6.8
70°	8.9	7.2	6.8	6.8	6.8	6.8	6.7	6.9	6.8	6.8	6.8
67.5°	12.7	10.1	8.1	7.0	6.8	6.8	6.8	7.0	7.1	6.8	6.8
65°	22.5	15.2	9.9	8.3	7.2	6.8	6.8	7.2	7.3	7.2	6.8
62.5°	29.1	22.0	15.1	10.4	7.9	7.0	6.8	7.2	7.6	7.6	7.1
60°	32.2	25.4	20.0	14.8	10.0	7.2	6.9	7.3	7.7	8.0	7.6
57.5°	29.7	27.2	23.2	18.5	13.5	8.8	7.0	7.4	7.8	8.1	8.0
55°	25.6	23.8	24.8	21.4	16.5	11.4	7.9	7.5	7.9	8.2	8.5
52.5°	21.3	21.8	23.7	23.2	19.1	14.0	10.1	7.6	8.0	8.3	8.5
50°	17.7	20.8	23.2	23.7	21.3	16.4	11.9	8.9	8.1	8.4	8.5
47.5°	17.0	20.6	22.8	24.5	22.9	18.6	13.8	10.1	8.2	8.5	8.5
45°	20.2	21.7	23.4	24.7	24.4	20.0	15.6	11.1	8.9	8.6	8.5
42.5°	24.9	25.4	25.8	25.2	24.8	20.9	17.2	12.4	9.5	8.7	8.6
40°	34.2	30.8	29.4	29.4	26.1	21.5	17.8	13.7	9.9	9.0	8.7
37.5°	45.0	39.2	35.0	37.3	29.8	23.6	18.1	14.8	10.9	9.6	8.8
35°	64.1	50.2	47.3	48.5	39.8	26.5	18.0	15.4	12.7	10.4	9.0
32.5°	87.2	73.8	70.5	62.0	52.7	30.3	19.8	16.8	14.5	11.2	9.3
30°	128.9	117.7	101.6	77.5	67.5	42.2	24.0	18.5	16.4	12.1	9.6
27.5°	192.4	168.4	140.7	105.2	82.3	56.7	29.4	20.5	18.3	13.3	10.3
25°	259.6	226.6	189.3	141.1	98.4	76.2	34.5	22.9	20.1	14.9	11.1
22.5°	334.5	286.5	242.3	181.6	124.1	98.6	44.9	27.3	21.9	16.5	11.8
20°	410.1	346.5	301.1	226.9	159.2	120.2	61.9	31.4	23.8	18.0	12.6
17.5°	496.2	421.8	370.4	280.4	197.8	143.8	80.1	35.3	25.8	19.5	13.3
15°	668.4	514.7	443.6	339.0	234.8	168.9	99.2	38.9	27.9	21.0	14.1
12.5°	877.1	606.4	520.4	401.2	270.1	194.9	118.5	42.3	30.0	22.5	14.7
10°	1107.0	696.4	599.2	465.1	303.5	221.3	137.6	47.4	33.3	23.9	15.3
7.5°	1347.2	784.1	678.5	528.8	338.8	256.9	175.8	57.1	36.9	25.3	15.8
5°	1566.1	865.0	757.9	604.7	393.0	300.7	217.5	67.0	40.5	26.5	16.2
2.5°	1678.1	935.1	833.7	677.6	445.5	342.5	258.2	76.8	44.0	27.7	16.6
0°	1759.9	1000.9	904.5	743.9	495.4	382.1	295.9	86.2	47.3	28.7	16.9
-2.5°	1733.0	1017.6	924.1	775.4	548.0	422.4	327.3	111.3	61.8	37.2	20.9
-5°	1679.9	1031.4	939.9	801.4	596.7	460.2	353.5	135.0	75.6	45.3	24.6
-7.5°	1656.4	1038.3	949.6	821.7	640.4	494.9	374.1	156.7	88.6	52.8	28.1
-10°	1604.7	1039.8	951.4	820.9	643.6	508.7	385.3	175.8	100.2	59.5	31.2
-12.5°	1505.1	1039.2	951.9	812.4	635.2	502.9	370.3	187.1	110.3	65.2	33.8
-15°	1353.0	1036.8	952.0	795.8	621.6	494.3	353.6	193.9	118.3	70.3	35.9
-17.5°	1136.7	1032.6	952.4	770.5	602.4	482.7	336.2	198.4	124.8	75.0	38.2
-20°	1053.3	1004.9	947.4	736.1	577.6	468.1	318.9	200.7	129.8	78.5	40.3



REPORT NUMBER: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1003.2	957.3	874.0	703.3	552.3	450.5	302.3	200.6	133.2	80.6	41.4
-25°	947.1	907.6	797.3	653.1	530.3	424.6	293.2	198.0	134.8	81.3	41.4
-27.5°	890.8	848.0	726.3	603.1	500.9	402.1	288.6	199.0	135.0	80.6	40.1
-30°	834.1	771.6	667.5	557.5	469.9	373.3	281.1	197.9	133.8	79.0	37.5
-32.5°	793.0	705.1	612.9	521.6	436.2	343.3	264.2	194.6	130.5	75.9	36.1
-35°	742.9	651.5	561.6	484.4	401.1	318.0	244.4	188.8	125.1	71.0	34.7
-37.5°	690.3	601.5	520.0	445.8	365.4	291.2	227.9	174.3	117.6	64.1	32.6
-40°	634.2	552.6	479.0	406.3	333.1	263.0	210.2	158.3	108.0	55.1	29.7
-42.5°	576.5	505.3	436.1	366.5	300.9	241.9	191.1	140.9	93.2	48.9	26.0
-45°	522.5	456.3	391.8	330.2	268.8	219.6	170.2	122.2	77.0	43.8	23.1
-47.5°	466.9	407.7	350.2	293.4	243.2	195.7	147.8	103.3	60.3	37.6	22.2
-50°	414.5	361.7	310.9	262.5	216.7	169.2	124.5	83.7	51.4	29.9	21.0
-52.5°	371.0	320.4	275.7	232.8	186.6	141.1	102.0	64.2	41.8	26.0	19.5
-55°	330.4	282.7	242.7	198.6	154.1	114.9	78.8	52.3	31.4	23.9	18.0
-57.5°	292.9	247.5	203.6	160.8	122.7	88.4	60.8	39.6	27.1	21.7	17.1
-60°	252.5	202.9	160.0	124.6	91.7	65.4	45.3	29.6	24.5	19.6	16.0
-62.5°	197.2	154.6	119.5	88.6	65.8	47.2	31.4	26.6	21.8	18.2	14.8
-65°	142.4	108.7	79.4	62.2	45.2	32.4	28.0	23.6	20.0	16.8	13.7
-67.5°	88.0	70.7	54.5	39.2	32.5	28.4	24.5	21.4	18.4	15.4	12.9
-70°	56.3	42.1	35.5	31.7	27.9	24.6	22.2	19.6	16.7	14.4	12.1
-72.5°	36.1	33.0	29.7	26.5	24.4	22.2	20.1	17.8	15.6	13.4	11.2
-75°	29.5	27.3	25.5	23.8	21.9	19.9	18.2	16.6	14.5	12.4	10.7
-77.5°	24.7	23.3	22.2	20.8	19.1	17.6	16.4	15.3	13.4	11.7	10.2
-80°	20.3	19.4	18.3	17.1	16.0	15.2	14.7	14.0	12.4	10.9	9.6
-82.5°	16.6	15.7	14.9	14.2	13.9	13.5	13.1	12.6	11.3	10.2	9.2
-85°	13.4	13.0	12.6	12.3	12.1	11.8	11.5	11.3	10.4	9.6	9.0
-87.5°	11.1	10.9	10.7	10.4	10.3	10.1	10.0	9.9	9.4	9.1	8.7
-90°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.5	6.0	6.4



REPORT NUMBER: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.5	8.1	7.7	7.2	6.8	6.8	6.8
87.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8
85°	6.8	6.8	6.8	6.8	6.8	6.8	6.8
82.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8
80°	6.8	6.8	6.8	6.8	6.8	6.8	6.8
77.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8
75°	6.8	6.8	6.8	6.8	6.8	6.8	6.8
72.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8
70°	6.8	6.8	6.8	6.8	6.8	6.8	6.8
67.5°	6.9	6.8	6.8	6.8	6.8	6.8	6.8
65°	6.9	6.9	6.8	6.8	6.8	6.8	6.8
62.5°	7.0	7.0	6.8	6.8	6.8	6.8	6.8
60°	7.1	7.1	6.8	6.8	6.8	6.8	6.8
57.5°	7.4	7.3	7.0	6.8	6.8	6.8	6.8
55°	7.8	7.5	7.1	6.8	6.8	6.8	6.8
52.5°	8.1	7.7	7.3	6.8	6.9	6.8	6.8
50°	8.3	7.9	7.5	6.8	6.9	6.8	6.8
47.5°	8.5	8.0	7.7	6.8	7.0	6.8	6.8
45°	8.5	8.2	7.9	7.0	7.0	6.8	6.8
42.5°	8.5	8.3	8.1	7.2	7.1	6.8	6.8
40°	8.5	8.4	8.3	7.3	7.1	6.8	6.8
37.5°	8.5	8.5	8.3	7.5	7.2	6.8	6.8
35°	8.5	8.5	8.4	7.7	7.3	6.8	6.8
32.5°	8.5	8.5	8.5	7.9	7.3	6.8	6.8
30°	8.7	8.5	8.5	8.0	7.4	6.8	6.8
27.5°	8.9	8.5	8.5	8.1	7.5	6.8	6.8
25°	9.1	8.5	8.5	8.2	7.6	6.8	6.8
22.5°	9.3	8.5	8.5	8.3	7.7	6.8	6.8
20°	9.5	8.6	8.5	8.3	7.8	6.8	6.8
17.5°	9.8	8.8	8.5	8.4	7.9	6.8	6.8
15°	10.1	9.0	8.5	8.4	8.0	6.8	6.8
12.5°	10.4	9.1	8.5	8.5	8.1	6.8	6.8
10°	10.7	9.3	8.5	8.5	8.2	6.8	6.8
7.5°	11.0	9.5	8.5	8.5	8.3	6.8	6.8
5°	11.3	9.7	8.5	8.5	8.3	6.8	6.8
2.5°	11.6	9.9	8.5	8.5	8.4	6.8	6.8
0°	11.8	10.1	8.5	8.5	8.5	6.8	6.8
-2.5°	13.2	10.5	8.6	8.6	8.5	6.8	6.8
-5°	14.4	10.8	8.8	8.7	8.5	6.9	6.8
-7.5°	15.7	11.1	8.9	8.8	8.5	6.9	6.8
-10°	16.7	11.4	9.1	8.9	8.5	6.9	6.8
-12.5°	17.7	11.7	9.2	9.0	8.4	7.0	6.8
-15°	18.4	11.9	9.3	9.1	8.4	7.0	6.8
-17.5°	18.9	12.0	9.5	9.1	8.4	7.0	6.8
-20°	19.5	12.1	9.6	9.2	8.4	7.1	6.8



REPORT NUMBER: P731455 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20.2	12.1	9.7	9.2	8.3	7.1	6.8
-25°	20.5	12.3	9.9	9.2	8.3	7.1	6.8
-27.5°	20.3	12.5	10.0	9.2	8.3	7.1	6.8
-30°	19.7	12.5	10.1	9.2	8.3	7.2	6.8
-32.5°	18.5	12.5	10.3	9.2	8.3	7.2	6.8
-35°	18.0	12.4	10.5	9.1	8.2	7.2	6.8
-37.5°	17.8	12.3	10.6	9.1	8.2	7.2	6.8
-40°	17.5	12.5	10.6	9.0	8.2	7.2	6.8
-42.5°	17.0	12.5	10.6	8.9	8.2	7.2	6.8
-45°	16.3	12.5	10.5	8.7	8.2	7.2	6.8
-47.5°	15.5	12.3	10.3	8.6	8.2	7.2	6.8
-50°	15.1	12.1	10.1	8.6	8.2	7.2	6.8
-52.5°	14.7	11.9	9.9	8.6	8.2	7.2	6.8
-55°	14.2	11.5	9.6	8.6	8.2	7.2	6.8
-57.5°	13.5	11.1	9.4	8.6	8.3	7.2	6.8
-60°	12.8	10.7	9.1	8.6	8.3	7.2	6.8
-62.5°	12.2	10.3	9.0	8.6	8.2	7.1	6.8
-65°	11.5	9.8	8.9	8.6	8.1	7.1	6.8
-67.5°	10.8	9.4	8.9	8.5	8.0	7.1	6.8
-70°	10.1	9.3	8.8	8.5	7.9	7.1	6.8
-72.5°	9.7	9.0	8.6	8.4	7.8	7.0	6.8
-75°	9.3	8.8	8.5	8.2	7.6	7.0	6.8
-77.5°	8.9	8.6	8.4	8.0	7.5	7.0	6.8
-80°	8.5	8.4	8.2	7.9	7.4	6.9	6.8
-82.5°	8.5	8.3	8.1	7.7	7.2	6.9	6.8
-85°	8.5	8.3	7.9	7.6	7.1	6.9	6.8
-87.5°	8.5	8.2	7.8	7.4	6.9	6.8	6.8
-90°	6.8	6.8	6.8	6.8	6.8	6.8	6.8

(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

