

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: P731699 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-3S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731699 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-18)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-70-3S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

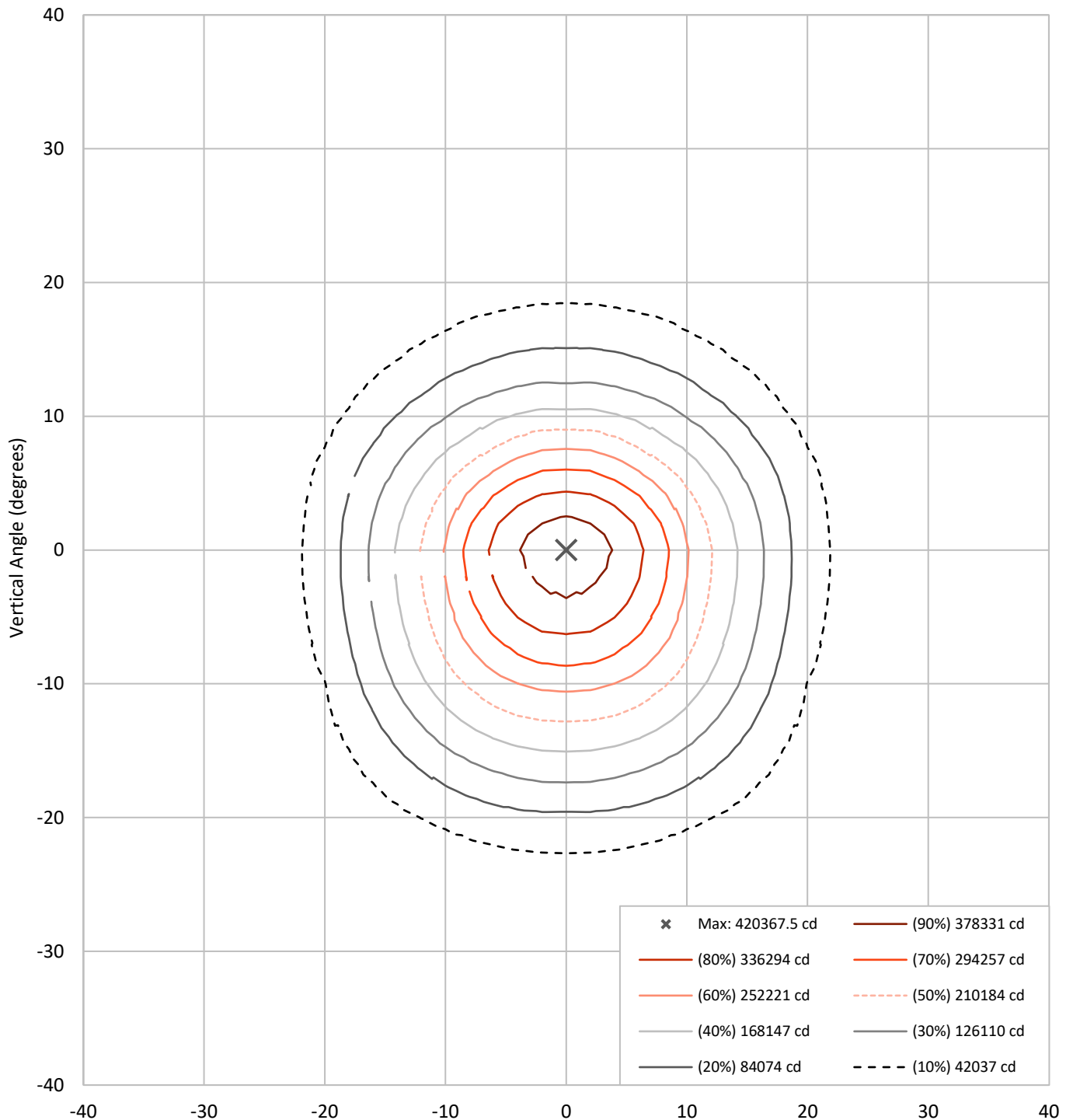
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	82975.5 lumens	Max Intensity:	420367.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	119.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.2°H x 21.8°V	Field Angle (10%):	43.8°H x 40.9°V
Beam Lumens:	37597.4 lumens	Field Lumens:	71149.9 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%

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

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Iso-Candela Plot





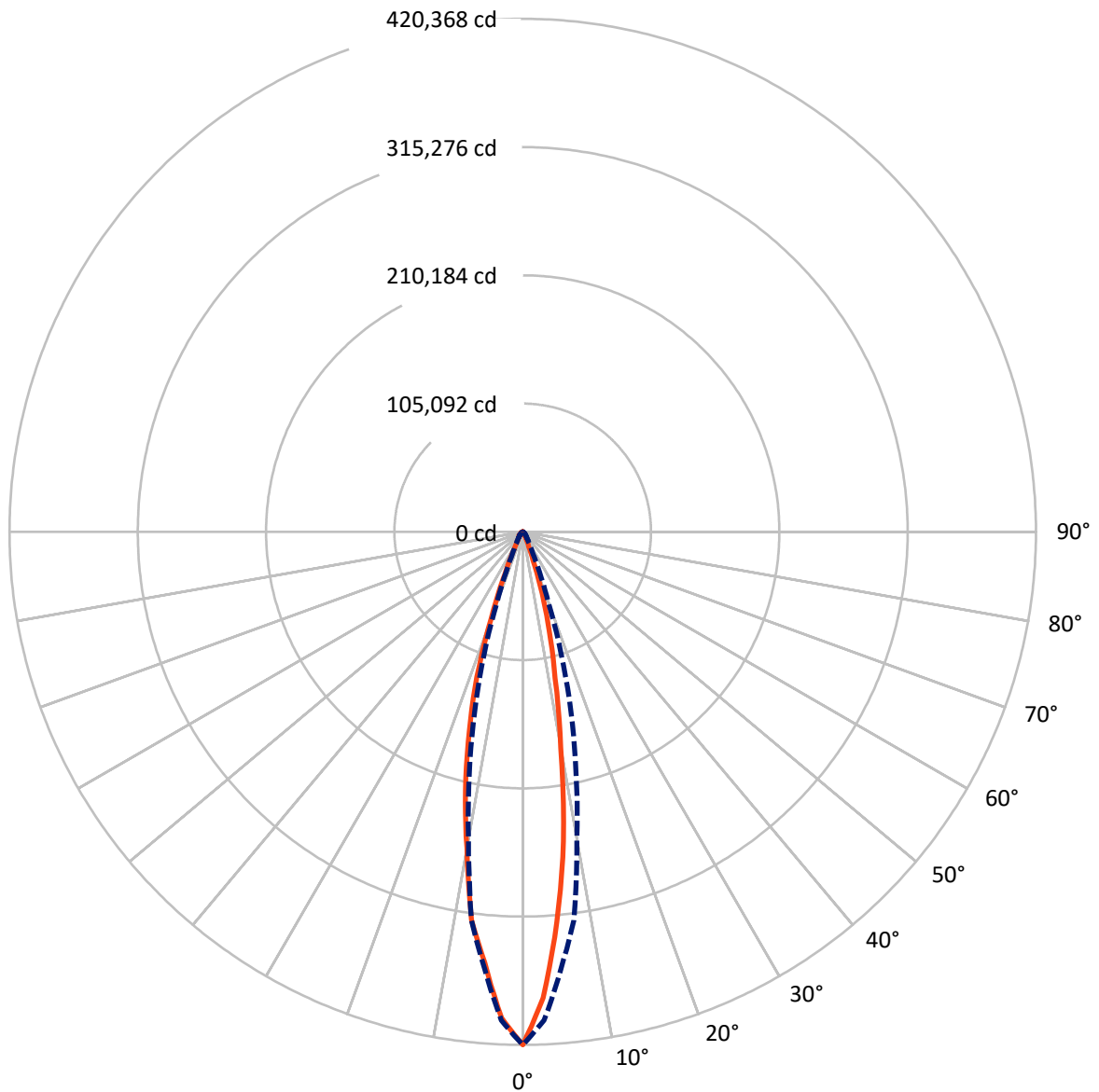
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Lumen Table

90																			
80	0.2	0.6		0.8		0.7		0.6		0.7		0.8		0.6		0.2			
70																			
60	0.3	0.2	0.2	0.7	0.8	0.5	0.4	0.3	0.3	0.4	0.5	0.8	0.7	0.2	0.2	0.3			
50		0.2	0.4	0.7	0.5	0.4	0.3	0.4	0.4	0.3	0.4	0.5	0.7	0.4	0.2				
40	0.3	0.2	0.5	0.6	0.8	1.0	1.4	1.5	1.5	1.4	1.0	0.8	0.6	0.5	0.2	0.3			
30		0.3	1.0	2.3	4.5	6.9	8.8	10.8	10.8	8.8	6.9	4.5	2.3	1.0	0.3				
20	0.3	0.5	3.4	11.0	28.9	49.7	114.1	238.3	238.3	114.1	49.7	28.9	11.0	3.4	0.5	0.3			
10		1.1	8.2	29.4	72.7	199.2	1047.1	2458.5	2458.5	1047.1	199.2	72.7	29.4	8.2	1.1				
0	0.4	2.2	14.4	55.1	133.1	599.7	3614.3	8268.1	8268.1	3614.3	599.7	133.1	55.1	14.4	2.2	0.4			
-10		3.6	19.1	66.6	152.7	647.2	4171.0	9399.1	9399.1	4171.0	647.2	152.7	66.6	19.1	3.6				
-20	0.7	4.2	19.4	63.3	140.2	377.3	2132.7	4669.5	4669.5	2132.7	377.3	140.2	63.3	19.4	4.2	0.7			
-30		4.0	16.2	41.4	96.6	170.2	391.0	796.7	796.7	391.0	170.2	96.6	41.4	16.2	4.0				
-40	0.6	3.4	11.7	25.4	56.1	100.1	138.5	167.6	167.6	138.5	100.1	56.1	25.4	11.7	3.4	0.6			
-50		2.4	8.2	17.8	32.2	55.3	89.8	116.8	116.8	89.8	55.3	32.2	17.8	8.2	2.4				
-60	0.3	1.2	5.0	11.7	21.0	31.6	41.1	47.3	47.3	41.1	31.6	21.0	11.7	5.0	1.2	0.3			
-70		0.4	1.9	5.9	11.8	18.9	26.1	30.4	30.4	26.1	18.9	11.8	5.9	1.9	0.4				
-80	0.3	1.1		4.1		11.4		16.4		11.4		4.1		1.1		0.3			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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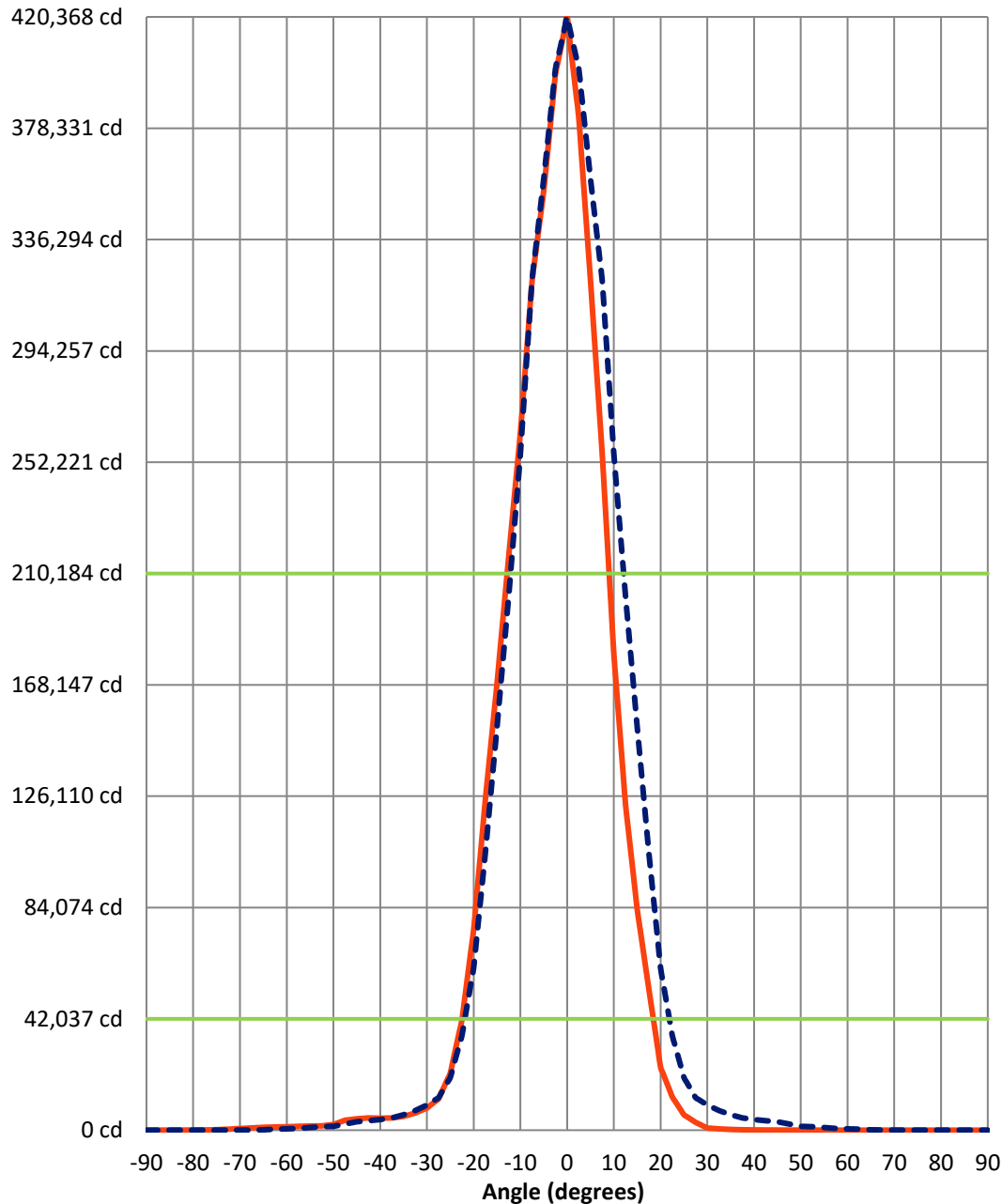
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 24.2°
V Angle: 21.8°
Lumens: 37597.4
Efficiency: 45.3%

Field:
H Angle: 43.8°
V Angle: 40.9°
Lumens: 71149.9
Efficiency: 85.7%

Spill:
Lumens: 11825.6
Efficiency: 14.3%

- 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°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	11.4	11.9	12.4	13.0
87.5°	10.8	10.8	11.0	11.0	11.0	10.9	10.8	10.8	10.8	10.8	10.8
85°	10.8	10.9	11.2	11.2	11.2	11.0	10.8	10.8	10.8	10.8	10.8
82.5°	10.8	10.9	11.4	11.4	11.4	11.2	10.8	10.8	10.8	10.9	10.8
80°	10.8	11.0	11.6	11.7	11.6	11.3	10.9	11.1	11.2	11.1	10.9
77.5°	10.8	11.0	11.7	11.9	11.8	11.5	11.5	11.7	11.6	11.4	10.9
75°	10.8	11.1	11.9	12.1	12.0	11.9	12.0	12.2	12.0	11.5	11.0
72.5°	10.8	11.1	12.1	12.4	12.2	12.2	12.6	12.6	12.1	11.6	11.0
70°	10.8	11.2	12.2	12.6	12.4	12.6	13.0	12.7	12.1	11.6	11.1
67.5°	10.8	11.2	12.4	12.6	12.6	12.9	13.0	12.7	12.2	11.7	11.2
65°	10.8	11.2	12.5	12.7	12.7	13.0	13.0	12.8	12.3	11.8	11.5
62.5°	10.8	11.3	12.6	12.8	12.9	13.0	13.0	12.9	12.4	11.9	12.2
60°	10.8	11.3	12.7	12.8	13.0	13.0	13.0	12.9	12.5	12.4	12.8
57.5°	10.8	11.3	12.7	12.9	13.0	13.0	13.0	13.0	12.7	12.8	13.0
55°	10.8	11.3	12.7	12.9	13.0	13.0	13.0	13.0	12.8	13.0	13.0
52.5°	10.8	11.3	12.6	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
50°	10.8	11.3	12.6	13.0	13.0	13.0	13.0	13.1	13.0	13.0	14.0
47.5°	10.8	11.3	12.6	13.0	13.0	13.0	13.0	13.3	13.0	13.0	14.9
45°	10.8	11.4	12.6	13.0	13.0	13.0	13.2	13.5	13.1	13.7	15.8
42.5°	10.8	11.3	12.6	13.0	13.0	13.0	13.4	13.7	13.3	14.3	16.6
40°	10.8	11.3	12.6	13.0	13.0	13.0	13.7	13.8	13.6	14.8	17.1
37.5°	10.8	11.3	12.6	13.0	13.0	13.0	13.9	13.9	14.2	15.6	17.4
35°	10.8	11.3	12.7	13.0	13.0	13.1	14.2	14.0	14.8	16.4	17.5
32.5°	10.8	11.3	12.7	13.0	13.0	13.4	14.5	14.2	15.4	17.4	19.0
30°	10.8	11.3	12.7	13.0	13.0	13.6	14.6	14.4	16.0	18.5	21.0
27.5°	10.8	11.3	12.7	13.0	13.0	13.9	14.7	14.9	16.6	19.8	23.4
25°	10.8	11.2	12.8	13.0	13.0	14.1	14.9	15.3	17.6	21.5	26.3
22.5°	10.8	11.2	12.8	13.0	13.0	14.4	15.0	15.7	18.6	23.6	32.1
20°	10.8	11.2	12.8	13.0	13.0	14.5	15.1	16.1	19.6	26.0	37.7
17.5°	10.8	11.1	12.9	13.0	13.0	14.7	15.3	16.5	20.7	28.5	43.1
15°	10.8	11.1	12.9	13.0	13.0	14.8	15.5	16.9	21.8	31.1	48.2
12.5°	10.8	11.0	12.9	13.0	13.0	14.9	15.8	17.4	23.6	33.7	53.0
10°	10.8	11.0	12.9	13.0	13.0	15.0	16.1	17.9	26.2	38.9	61.5
7.5°	10.8	10.9	13.0	13.0	13.0	15.1	16.4	18.3	28.9	44.5	78.8
5°	10.8	10.9	13.0	13.0	13.0	15.2	16.7	18.7	31.7	50.1	96.8
2.5°	10.8	10.8	13.0	13.0	13.0	15.2	17.0	19.1	34.3	55.5	114.7
0°	10.8	10.8	13.0	13.0	13.0	15.2	17.3	19.5	36.8	60.6	132.0
-2.5°	10.8	10.8	13.0	13.0	13.0	15.2	19.0	25.9	48.8	80.5	160.5
-5°	10.8	10.8	13.0	13.0	13.0	15.2	20.6	32.1	60.3	99.6	187.0
-7.5°	10.8	10.8	13.0	13.0	13.0	15.1	22.1	37.9	71.1	117.4	211.2
-10°	10.8	10.8	12.9	13.0	13.0	15.0	23.4	43.1	80.8	133.7	232.5
-12.5°	10.8	10.8	12.9	13.0	13.0	14.9	24.4	47.5	89.2	148.0	247.3
-15°	10.8	10.8	12.8	13.0	13.0	14.8	25.0	50.9	96.8	159.4	257.7
-17.5°	10.8	10.8	12.8	13.0	13.0	14.7	25.3	54.1	103.6	169.0	265.1
-20°	10.8	10.8	12.7	13.0	13.0	14.5	25.7	56.8	108.5	176.6	269.4



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	10.8	10.8	12.7	13.0	13.0	14.4	26.4	58.2	111.5	182.2	270.4
-25°	10.8	10.8	12.6	13.0	13.0	14.6	26.5	58.2	112.3	185.5	268.1
-27.5°	10.8	10.8	12.5	13.0	13.0	14.9	25.7	56.7	110.9	186.4	270.6
-30°	10.8	10.8	12.4	13.0	13.0	15.0	24.2	53.6	108.6	184.5	270.4
-32.5°	10.8	10.8	12.3	13.0	13.2	15.0	21.9	51.3	104.9	179.5	267.3
-35°	10.8	10.8	12.2	13.0	13.4	14.9	21.0	48.5	98.9	171.2	261.2
-37.5°	10.8	10.8	12.1	13.0	13.5	14.7	20.8	44.5	90.5	159.7	241.7
-40°	10.8	10.8	12.0	13.0	13.6	14.9	20.3	39.1	79.7	147.3	219.6
-42.5°	10.8	10.8	11.8	13.0	13.7	15.0	19.6	32.4	70.5	129.8	195.9
-45°	10.8	10.8	11.7	13.1	13.8	15.1	18.6	27.4	61.3	110.1	171.3
-47.5°	10.8	10.8	11.6	13.1	13.9	15.2	17.3	25.8	50.4	89.2	147.6
-50°	10.8	10.8	11.4	13.0	13.9	15.2	17.0	23.8	37.5	74.4	122.1
-52.5°	10.8	10.8	11.3	12.8	13.9	15.2	17.0	21.5	31.3	58.4	96.0
-55°	10.8	10.8	11.1	12.6	13.9	15.1	16.8	19.1	27.9	41.4	76.6
-57.5°	10.8	10.8	11.0	12.4	13.9	15.0	16.7	18.8	24.2	34.0	56.0
-60°	10.8	10.8	10.8	12.2	13.8	14.9	16.4	18.4	20.9	29.2	39.5
-62.5°	10.8	10.8	10.8	12.0	13.5	14.7	16.2	17.9	20.1	24.0	33.3
-65°	10.8	10.8	10.8	11.8	13.2	14.5	15.8	17.3	19.2	21.9	26.7
-67.5°	10.8	10.8	10.8	11.5	12.9	14.2	15.5	16.7	18.1	20.4	23.3
-70°	10.8	10.8	10.8	11.3	12.6	13.8	15.1	16.1	17.2	18.7	21.1
-72.5°	10.8	10.8	10.8	11.2	12.2	13.4	14.6	15.4	16.3	17.5	19.0
-75°	10.8	10.8	10.8	11.2	11.9	13.0	14.1	14.7	15.3	16.2	17.3
-77.5°	10.8	10.8	10.8	11.1	11.7	12.5	13.6	14.1	14.5	15.0	15.6
-80°	10.8	10.8	10.8	11.1	11.5	12.2	13.0	13.4	13.8	14.2	14.5
-82.5°	10.8	10.8	10.8	11.0	11.4	11.9	12.5	12.8	13.1	13.3	13.6
-85°	10.8	10.8	10.8	10.9	11.2	11.5	11.9	12.3	12.6	12.9	13.0
-87.5°	10.8	10.8	10.8	10.9	11.0	11.2	11.4	11.8	12.3	12.7	13.0
-90°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	12.5	11.9	11.4	10.8	10.8	10.8	10.8	10.8	10.3	9.8	9.2
87.5°	10.3	9.8	9.2	8.7	8.7	8.7	8.7	8.7	8.2	7.6	7.1
85°	10.3	9.8	9.4	9.0	9.0	9.0	8.9	8.7	8.2	7.6	7.1
82.5°	10.5	10.3	10.2	10.2	10.0	9.7	9.3	8.8	8.2	7.7	7.1
80°	10.7	10.8	10.8	10.8	10.4	9.8	9.3	8.8	8.2	7.7	7.1
77.5°	10.8	10.8	10.8	10.8	10.4	9.9	9.4	8.8	8.3	7.7	7.2
75°	10.8	10.8	10.8	10.8	10.5	10.0	9.5	9.3	9.2	9.0	8.9
72.5°	10.8	10.8	10.8	10.8	10.6	10.4	10.4	10.6	11.1	11.2	11.1
70°	10.8	10.8	11.0	11.0	10.8	11.0	12.0	13.2	14.2	15.3	18.0
67.5°	10.9	11.4	11.5	11.4	11.7	12.8	14.1	19.9	27.0	30.2	32.0
65°	11.9	12.2	12.2	12.4	12.9	17.0	23.4	31.7	40.8	43.0	42.7
62.5°	12.8	12.7	12.8	14.0	17.4	23.1	31.8	41.4	51.6	49.7	42.9
60°	13.0	12.9	14.4	17.7	22.1	29.8	39.8	44.6	47.9	47.8	39.3
57.5°	13.0	14.1	17.1	21.5	28.1	34.6	36.8	39.6	41.9	43.2	33.9
55°	13.6	16.0	19.9	26.0	31.0	30.2	31.4	33.2	34.8	32.8	24.4
52.5°	15.0	17.8	23.0	28.4	29.4	27.1	25.5	26.8	25.7	22.3	18.5
50°	16.3	20.1	25.3	28.8	28.1	24.4	21.1	21.6	20.6	18.0	15.8
47.5°	17.7	22.0	27.2	29.4	26.4	23.9	21.1	20.4	19.3	20.1	18.9
45°	19.0	23.5	29.1	28.4	26.5	25.7	24.4	21.4	24.8	26.0	25.6
42.5°	20.0	24.6	29.0	27.9	29.5	30.3	29.7	31.0	33.0	36.0	37.2
40°	20.6	25.4	30.0	33.2	34.1	37.0	41.1	44.3	45.4	49.8	52.7
37.5°	21.0	27.7	34.4	42.7	41.7	47.8	54.6	66.3	69.8	65.6	73.8
35°	20.9	31.3	46.3	57.7	59.3	62.0	79.5	97.3	108.2	97.4	107.4
32.5°	23.2	36.2	61.4	77.6	89.1	92.0	109.4	145.9	164.6	167.3	168.3
30°	28.6	50.2	80.0	101.2	127.5	148.7	165.5	207.5	237.4	311.8	371.9
27.5°	35.6	67.1	102.4	136.5	176.0	215.4	255.1	288.2	385.2	525.0	680.9
25°	42.4	91.5	127.3	180.1	240.1	297.6	351.0	396.2	585.5	872.0	1063.6
22.5°	55.8	120.4	163.1	228.5	310.7	386.3	452.3	571.7	836.6	1260.7	1466.8
20°	77.5	151.0	207.2	286.8	389.8	478.1	555.3	755.1	1141.6	1539.3	1795.0
17.5°	101.2	183.0	255.1	360.2	491.9	589.6	668.8	933.5	1437.4	1817.3	2077.9
15°	126.3	215.9	302.4	440.1	603.8	725.0	885.5	1210.9	1698.6	2090.3	2409.8
12.5°	152.1	249.3	348.7	524.3	722.7	861.6	1149.9	1621.8	2057.0	2398.5	2876.7
10°	177.8	282.4	393.6	610.6	845.8	998.4	1440.6	2027.9	2448.5	2799.7	3349.7
7.5°	227.9	329.1	441.7	696.4	969.8	1133.8	1745.4	2423.0	2815.0	3172.6	3752.1
5°	282.0	389.1	516.7	803.2	1092.7	1255.9	2028.8	2799.7	3158.8	3518.8	4093.4
2.5°	334.4	446.9	589.0	907.0	1208.1	1355.2	2198.1	3009.0	3381.8	3787.7	4383.8
0°	383.1	502.1	657.9	1002.1	1313.7	1447.9	2335.3	3185.8	3568.9	4012.6	4638.1
-2.5°	422.4	556.1	722.5	1056.1	1350.4	1500.6	2363.4	3250.8	3665.6	4140.8	4760.1
-5°	455.2	606.2	782.1	1100.8	1378.8	1547.1	2357.7	3273.9	3746.7	4238.1	4871.3
-7.5°	480.8	651.7	836.1	1133.0	1393.6	1569.2	2350.7	3304.8	3835.6	4304.4	4961.4
-10°	495.0	670.4	847.6	1128.6	1389.9	1574.1	2299.3	3286.3	3908.3	4352.4	4989.6
-12.5°	480.1	664.5	844.6	1114.3	1380.2	1573.1	2187.6	3214.9	3966.2	4385.3	4936.3
-15°	462.8	654.7	833.0	1090.2	1365.1	1566.5	2009.6	3088.5	3937.1	4265.3	4779.9
-17.5°	443.8	641.1	812.1	1056.1	1345.3	1554.3	1748.7	2767.8	3639.6	4060.2	4610.6
-20°	424.2	623.8	781.2	1012.3	1317.2	1494.5	1625.9	2362.4	3214.4	3807.3	4314.6



REPORT NUMBER: P731699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	404.8	602.7	748.2	971.7	1215.4	1395.8	1535.2	1948.9	2774.0	3494.3	3872.7
-25°	394.4	571.9	720.6	897.2	1107.1	1294.3	1430.1	1577.2	2313.8	3005.9	3482.2
-27.5°	389.6	544.1	679.7	822.7	1004.2	1187.0	1316.5	1455.3	1860.1	2514.0	3085.1
-30°	380.6	506.1	637.0	755.7	916.9	1075.1	1202.2	1345.3	1508.2	2036.4	2563.9
-32.5°	359.3	467.5	592.3	706.5	835.2	973.5	1114.4	1254.4	1393.9	1586.1	2069.5
-35°	334.4	435.3	547.6	656.1	758.4	891.2	1031.9	1169.8	1288.1	1411.0	1678.5
-37.5°	314.2	400.5	503.5	606.2	702.8	816.3	946.0	1079.9	1200.7	1311.7	1464.1
-40°	292.0	363.2	461.9	558.9	649.8	747.5	863.1	983.8	1108.5	1238.2	1357.5
-42.5°	267.6	336.4	418.6	512.4	597.7	687.5	780.0	891.7	1014.3	1151.2	1274.9
-45°	239.9	307.8	375.3	461.5	543.5	626.1	712.7	801.1	921.5	1044.4	1173.9
-47.5°	210.6	276.8	341.7	410.6	488.7	564.1	643.4	733.7	828.3	940.6	1055.0
-50°	180.5	243.1	306.2	368.6	435.3	503.7	573.6	664.9	754.8	842.8	940.9
-52.5°	150.2	208.0	268.1	328.0	387.4	449.0	515.8	596.3	681.1	763.5	845.0
-55°	118.1	172.0	228.2	285.1	341.7	397.6	462.6	534.0	607.5	686.0	761.8
-57.5°	91.0	133.9	185.9	240.1	293.5	348.2	411.9	473.4	540.1	609.5	677.4
-60°	66.3	99.4	141.0	191.2	243.3	296.8	359.8	420.8	477.9	533.4	597.1
-62.5°	43.8	69.5	100.9	138.7	186.1	239.8	296.2	356.3	421.0	471.6	521.5
-65°	35.9	44.3	65.8	95.2	126.6	172.3	223.7	279.3	335.3	385.7	438.9
-67.5°	27.8	35.8	43.2	54.4	81.5	111.7	144.0	190.0	238.8	281.1	324.0
-70°	24.2	27.8	34.1	40.7	47.1	59.5	86.1	114.4	142.3	169.4	204.5
-72.5°	21.4	24.5	27.9	31.4	36.9	42.7	48.9	55.4	71.2	92.1	111.6
-75°	19.0	21.1	23.9	26.9	29.8	32.6	35.9	41.0	46.1	51.0	55.6
-77.5°	17.0	18.7	20.5	22.6	24.5	26.7	29.0	31.4	33.8	36.3	39.1
-80°	15.2	16.1	17.5	19.0	20.0	21.1	22.4	24.0	25.4	26.7	28.3
-82.5°	14.0	14.6	15.3	16.1	16.1	16.1	16.0	16.5	17.5	18.4	19.3
-85°	13.0	13.0	13.3	13.6	13.8	13.9	14.0	13.9	13.8	13.7	13.6
-87.5°	12.7	12.5	12.2	12.1	12.1	12.2	12.3	12.4	11.9	11.4	10.9
-90°	10.3	9.8	9.2	8.7	8.7	8.7	8.7	8.7	8.2	7.6	7.1



REPORT NUMBER: P731699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.7	8.7	8.7	8.7	8.7	9.2	9.8	10.3	10.8	12.4	14.1
87.5°	6.5	6.0	5.4	4.9	4.3	3.8	3.3	2.7	2.2	2.2	2.2
85°	6.5	6.0	5.4	4.9	4.3	3.8	3.3	2.7	2.2	2.2	2.2
82.5°	6.6	6.3	6.1	6.0	5.9	5.5	5.0	4.6	4.1	3.7	3.2
80°	6.6	6.5	6.5	6.5	6.5	6.0	5.5	4.9	4.3	3.8	3.3
77.5°	6.8	6.9	6.9	6.8	6.6	6.1	5.5	4.9	4.4	3.8	3.3
75°	8.7	8.4	8.0	7.4	6.7	6.1	5.5	5.0	4.4	4.2	4.2
72.5°	10.7	10.0	9.6	10.1	10.0	9.8	9.5	8.9	8.0	7.9	8.2
70°	19.8	20.8	20.9	19.9	17.8	15.9	14.4	12.8	10.9	10.4	10.5
67.5°	31.6	30.0	28.2	25.8	22.1	18.8	16.8	14.9	13.1	12.5	12.7
65°	39.2	32.5	28.0	24.3	21.4	18.8	16.7	14.6	12.6	11.4	11.2
62.5°	35.9	28.1	23.3	20.4	18.3	16.7	14.0	11.9	10.3	9.4	9.7
60°	30.9	22.6	17.5	15.2	13.0	10.9	10.0	9.3	8.9	8.7	8.8
57.5°	24.5	17.2	12.9	12.0	10.8	9.4	8.9	9.1	9.0	8.7	8.7
55°	18.0	14.7	13.1	12.4	11.8	11.2	10.7	10.5	10.3	10.0	10.3
52.5°	14.6	14.6	14.8	14.6	14.0	13.4	12.8	12.8	13.1	13.4	14.0
50°	16.1	16.6	17.0	16.8	16.3	15.7	15.1	15.7	16.7	17.6	18.3
47.5°	18.7	19.4	20.6	19.2	19.4	20.7	19.9	20.2	23.3	25.4	26.6
45°	23.8	27.6	28.6	29.5	29.8	32.0	33.0	33.6	39.9	42.5	42.7
42.5°	38.0	41.5	44.5	47.3	46.8	53.9	63.4	68.7	68.4	67.4	68.5
40°	57.4	61.3	70.1	76.8	87.0	96.2	96.9	88.0	89.0	99.3	100.1
37.5°	86.2	98.3	115.8	135.1	140.3	134.4	137.9	144.4	151.2	160.7	171.8
35°	137.4	177.7	185.7	200.7	210.5	200.8	204.5	221.8	222.0	252.6	269.4
32.5°	243.8	305.7	324.7	311.3	337.2	352.9	304.8	365.4	377.0	408.4	447.0
30°	397.7	526.4	566.2	547.6	617.9	640.0	597.5	719.5	791.2	789.8	970.8
27.5°	755.6	819.9	894.6	1008.7	1023.4	1061.5	1302.1	1488.2	1724.5	1947.9	2237.9
25°	1156.1	1192.6	1406.6	1547.6	1617.3	1871.6	2228.2	2519.1	3020.4	3488.4	4462.4
22.5°	1525.0	1661.2	1922.3	2148.1	2401.7	2811.3	3303.1	3842.8	5175.1	6814.1	8870.6
20°	1886.8	2066.1	2378.1	2784.2	3189.1	3746.2	4400.0	6110.1	8729.6	12699.8	16990.6
17.5°	2295.4	2467.8	2893.1	3466.5	4082.6	4917.6	6923.3	10190.6	15753.5	23520.3	31013.1
15°	2825.8	3122.6	3593.2	4440.3	5619.4	7587.4	10856.9	18916.1	30022.3	42100.6	55049.7
12.5°	3446.3	3935.6	4701.7	5796.4	7494.2	12143.5	20360.2	33301.3	49898.0	66861.6	88144.4
10°	4047.1	4865.6	6037.8	7762.7	11140.4	18467.8	30709.2	49386.4	74815.9	101044.2	124548.6
7.5°	4574.6	5657.7	7235.0	9652.6	15014.8	25604.8	43215.3	69241.2	100937.4	133348.6	164955.0
5°	5113.4	6401.3	8239.5	11068.0	17377.5	30771.0	53375.3	87417.7	125712.8	164968.7	206221.0
2.5°	5555.7	7025.5	9078.0	12241.3	18773.7	33547.4	59675.8	100077.5	144324.3	189266.6	240597.9
0°	5821.9	7412.7	9492.6	12278.0	19870.3	35734.6	61232.0	104558.9	152181.9	201594.8	255318.9
-2.5°	5830.2	7332.0	9290.5	12161.6	19635.6	35136.6	61340.7	104447.2	151759.3	199348.5	252365.5
-5°	5812.1	7148.2	8987.5	11743.9	18230.9	32017.4	56634.8	97680.1	144280.7	189317.8	237607.1
-7.5°	5784.2	6905.2	8557.1	11075.9	16433.3	28252.4	51214.6	88788.5	132755.9	174705.9	217933.0
-10°	5752.1	6653.7	8160.9	10502.8	14804.8	23774.2	41198.6	75417.3	115750.8	154461.3	189908.7
-12.5°	5724.5	6550.5	7841.8	9713.3	12825.1	19922.0	34782.4	61632.7	94294.9	126981.8	158382.6
-15°	5618.9	6413.7	7581.5	9126.9	11649.8	16613.1	25965.4	44525.1	71345.3	97166.0	122092.6
-17.5°	5402.6	6219.0	6953.7	8156.7	9976.6	13213.2	19340.7	30524.3	47744.9	67928.8	85514.1
-20°	4978.7	5538.3	6147.8	7169.6	8570.2	10274.1	13068.6	19441.1	27629.1	40794.6	50014.9



REPORT NUMBER: P731699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4349.3	4820.1	5332.9	6013.6	6998.5	8201.0	9692.2	12048.0	16320.7	21395.0	27003.3
-25°	3775.3	4113.6	4588.8	5173.6	5700.8	6485.3	7530.2	8444.2	10289.7	11782.5	14867.1
-27.5°	3340.2	3621.4	4051.8	4505.4	4894.5	5314.9	6041.9	6688.0	7586.0	8369.9	9623.8
-30°	3025.5	3313.7	3659.6	4003.5	4373.0	4729.4	5054.9	5544.7	6083.2	6594.6	7258.0
-32.5°	2637.1	3091.7	3342.2	3633.0	3961.8	4273.5	4521.6	4831.4	5127.8	5466.6	5830.4
-35°	2231.4	2728.1	3112.5	3335.9	3580.1	3877.9	4132.2	4344.0	4540.4	4750.8	4943.0
-37.5°	1753.6	2302.4	2740.3	3071.0	3293.9	3501.8	3774.5	3978.2	4108.1	4282.4	4413.8
-40°	1507.1	1726.9	2224.7	2674.0	2961.4	3288.7	3542.5	3758.2	3996.0	4181.6	4288.7
-42.5°	1387.0	1514.5	1646.9	2014.0	2463.7	2856.7	3183.9	3538.6	3856.7	4109.8	4345.2
-45°	1294.2	1384.6	1479.0	1600.8	1726.7	2094.5	2497.9	2912.7	3284.0	3631.1	3928.9
-47.5°	1170.3	1276.2	1362.4	1439.4	1516.7	1629.6	1750.4	1918.6	2275.6	2637.6	2982.7
-50°	1042.8	1140.2	1235.3	1324.7	1397.2	1454.1	1499.7	1573.9	1681.5	1788.6	1893.7
-52.5°	922.6	1013.1	1099.3	1185.9	1270.7	1345.9	1412.5	1465.0	1508.1	1545.0	1569.9
-55°	836.7	907.9	975.0	1057.5	1139.0	1214.7	1284.8	1349.2	1408.0	1461.4	1498.2
-57.5°	747.4	817.2	886.6	956.1	1023.4	1088.5	1153.9	1217.6	1277.4	1331.8	1368.3
-60°	658.9	718.6	787.5	859.2	926.3	989.0	1049.8	1107.0	1160.2	1205.9	1235.4
-62.5°	575.4	631.7	691.2	755.7	823.7	890.0	950.9	1008.7	1063.6	1107.9	1136.5
-65°	490.9	538.3	589.2	642.5	697.6	754.1	812.1	871.2	930.7	978.5	1009.8
-67.5°	368.8	416.3	466.2	518.3	565.2	608.4	650.2	693.2	736.8	773.0	801.5
-70°	239.9	275.3	310.2	345.8	384.7	424.3	462.1	497.5	530.4	556.7	578.0
-72.5°	129.7	146.8	166.1	193.2	219.3	245.5	271.5	296.0	318.9	336.1	349.5
-75°	60.1	67.9	82.6	96.1	108.5	121.3	133.6	144.9	155.2	162.5	168.1
-77.5°	42.7	46.2	49.7	53.2	56.7	61.5	66.6	71.6	76.5	81.3	85.9
-80°	30.0	32.0	33.9	35.8	37.5	40.2	43.2	46.1	49.1	52.1	54.9
-82.5°	20.1	21.4	22.6	23.9	25.0	26.6	28.3	29.8	31.3	33.7	36.2
-85°	13.6	14.2	14.8	15.4	16.1	17.4	18.6	19.9	21.1	22.9	24.6
-87.5°	10.4	10.5	10.5	10.6	10.6	11.7	12.8	13.9	15.0	16.7	18.3
-90°	6.5	6.0	5.4	4.9	4.3	3.8	3.3	2.7	2.2	1.7	1.1



REPORT NUMBER: P731699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	15.7	17.3	18.4	19.5	18.4	17.3	15.7	14.1	12.4	10.8	10.3
87.5°	2.2	2.2	1.1	0.0	1.1	2.2	2.2	2.2	2.2	2.2	2.7
85°	2.2	2.2	1.1	0.0	1.1	2.2	2.2	2.2	2.2	2.2	2.7
82.5°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.2	3.7	4.1	4.6
80°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.3	3.8	4.3	4.9
77.5°	2.8	2.2	2.2	2.2	2.2	2.2	2.8	3.3	3.8	4.4	4.9
75°	4.2	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.4	5.0
72.5°	8.4	8.6	8.7	8.7	8.7	8.6	8.4	8.2	7.9	8.0	8.9
70°	10.7	10.7	10.8	10.8	10.8	10.7	10.7	10.5	10.4	10.9	12.8
67.5°	12.8	12.9	13.0	13.0	13.0	12.9	12.8	12.7	12.5	13.1	14.9
65°	11.0	10.9	10.8	10.8	10.8	10.9	11.0	11.2	11.4	12.6	14.6
62.5°	10.2	10.7	10.8	10.8	10.8	10.7	10.2	9.7	9.4	10.3	11.9
60°	8.9	8.8	8.7	8.7	8.7	8.8	8.9	8.8	8.7	8.9	9.3
57.5°	8.7	8.7	9.5	10.8	9.5	8.7	8.7	8.7	8.7	9.0	9.1
55°	10.5	10.7	11.6	13.0	11.6	10.7	10.5	10.3	10.0	10.3	10.5
52.5°	14.5	14.9	15.1	15.2	15.1	14.9	14.5	14.0	13.4	13.1	12.8
50°	18.8	19.2	19.4	19.5	19.4	19.2	18.8	18.3	17.6	16.7	15.7
47.5°	27.5	27.8	27.9	28.1	27.9	27.8	27.5	26.6	25.4	23.3	20.2
45°	44.3	44.8	45.1	45.5	45.1	44.8	44.3	42.7	42.5	39.9	33.6
42.5°	71.3	72.4	72.4	71.4	72.4	72.4	71.3	68.5	67.4	68.4	68.7
40°	101.6	101.6	100.5	99.6	100.5	101.6	101.6	100.1	99.3	89.0	88.0
37.5°	176.9	170.5	159.1	153.7	159.1	170.5	176.9	171.8	160.7	151.2	144.4
35°	273.7	277.8	278.9	277.0	278.9	277.8	273.7	269.4	252.6	222.0	221.8
32.5°	457.8	479.6	486.7	500.0	486.7	479.6	457.8	447.0	408.4	377.0	365.4
30°	942.3	935.8	853.7	818.1	853.7	935.8	942.3	970.8	789.8	791.2	719.5
27.5°	2538.5	2830.7	2970.0	2958.6	2970.0	2830.7	2538.5	2237.9	1947.9	1724.5	1488.2
25°	5227.9	5697.6	6009.2	5804.6	6009.2	5697.6	5227.9	4462.4	3488.4	3020.4	2519.1
22.5°	10786.0	11809.9	12367.8	12568.0	12367.8	11809.9	10786.0	8870.6	6814.1	5175.1	3842.8
20°	21614.9	23548.1	24960.1	23781.2	24960.1	23548.1	21614.9	16990.6	12699.8	8729.6	6110.1
17.5°	40128.1	46141.9	51461.9	53124.6	51461.9	46141.9	40128.1	31013.1	23520.3	15753.5	10190.6
15°	67533.8	77690.0	83726.7	83374.9	83726.7	77690.0	67533.8	55049.7	42100.6	30022.3	18916.1
12.5°	103908.3	116441.6	124804.2	122944.6	124804.2	116441.6	103908.3	88144.4	66861.6	49898.0	33301.3
10°	147615.3	166599.1	180392.4	179757.1	180392.4	166599.1	147615.3	124548.6	101044.2	74815.9	49386.4
7.5°	192929.6	224094.2	251143.8	255695.5	251143.8	224094.2	192929.6	164955.0	133348.6	100937.4	69241.2
5°	251366.1	292442.3	319305.0	320840.5	319305.0	292442.3	251366.1	206221.0	164968.7	125712.8	87417.7
2.5°	298768.0	345889.2	368559.2	382294.4	368559.2	345889.2	298768.0	240597.9	189266.6	144324.3	100077.5
0°	320975.8	359282.6	400729.8	420367.5	400729.8	359282.6	320975.8	255318.9	201594.8	152181.9	104558.9
-2.5°	311864.9	352913.4	377782.0	398594.8	377782.0	352913.4	311864.9	252365.5	199348.5	151759.3	104447.2
-5°	291201.9	331874.3	352737.1	354683.5	352737.1	331874.3	291201.9	237607.1	189317.8	144280.7	97680.1
-7.5°	257469.0	291957.0	313860.9	320676.1	313860.9	291957.0	257469.0	217933.0	174705.9	132755.9	88788.5
-10°	221619.8	246422.3	260578.2	263292.1	260578.2	246422.3	221619.8	189908.7	154461.3	115750.8	75417.3
-12.5°	184349.0	204654.8	214422.5	216556.5	214422.5	204654.8	184349.0	158382.6	126981.8	94294.9	61632.7
-15°	143062.4	158342.0	167136.9	168667.3	167136.9	158342.0	143062.4	122092.6	97166.0	71345.3	44525.1
-17.5°	102115.2	114531.1	123440.3	124624.0	123440.3	114531.1	102115.2	85514.1	67928.8	47744.9	30524.3
-20°	62729.0	71176.9	76388.9	75624.6	76388.9	71176.9	62729.0	50014.9	40794.6	27629.1	19441.1



REPORT NUMBER: P731699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	33772.4	38326.2	40528.8	41666.9	40528.8	38326.2	33772.4	27003.3	21395.0	16320.7	12048.0
-25°	17852.0	19780.6	20770.1	21545.5	20770.1	19780.6	17852.0	14867.1	11782.5	10289.7	8444.2
-27.5°	10622.1	11285.3	11653.6	11856.0	11653.6	11285.3	10622.1	9623.8	8369.9	7586.0	6688.0
-30°	7787.1	8104.8	8272.7	8356.3	8272.7	8104.8	7787.1	7258.0	6594.6	6083.2	5544.7
-32.5°	6122.4	6310.9	6426.9	6469.1	6426.9	6310.9	6122.4	5830.4	5466.6	5127.8	4831.4
-35°	5078.8	5141.9	5164.5	5205.1	5164.5	5141.9	5078.8	4943.0	4750.8	4540.4	4344.0
-37.5°	4514.0	4572.7	4601.4	4625.1	4601.4	4572.7	4514.0	4413.8	4282.4	4108.1	3978.2
-40°	4338.1	4400.4	4464.2	4510.4	4464.2	4400.4	4338.1	4288.7	4181.6	3996.0	3758.2
-42.5°	4448.0	4549.8	4619.7	4629.4	4619.7	4549.8	4448.0	4345.2	4109.8	3856.7	3538.6
-45°	4098.1	4214.0	4277.2	4298.3	4277.2	4214.0	4098.1	3928.9	3631.1	3284.0	2912.7
-47.5°	3288.5	3553.5	3711.7	3746.4	3711.7	3553.5	3288.5	2982.7	2637.6	2275.6	1918.6
-50°	1995.8	2090.3	2142.2	2149.1	2142.2	2090.3	1995.8	1893.7	1788.6	1681.5	1573.9
-52.5°	1589.7	1606.6	1617.1	1623.2	1617.1	1606.6	1589.7	1569.9	1545.0	1508.1	1465.0
-55°	1530.5	1558.8	1574.8	1582.1	1574.8	1558.8	1530.5	1498.2	1461.4	1408.0	1349.2
-57.5°	1400.9	1429.6	1442.4	1445.7	1442.4	1429.6	1400.9	1368.3	1331.8	1277.4	1217.6
-60°	1262.3	1286.7	1294.3	1294.2	1294.3	1286.7	1262.3	1235.4	1205.9	1160.2	1107.0
-62.5°	1163.6	1189.0	1201.3	1207.7	1201.3	1189.0	1163.6	1136.5	1107.9	1063.6	1008.7
-65°	1037.2	1060.3	1070.1	1073.5	1070.1	1060.3	1037.2	1009.8	978.5	930.7	871.2
-67.5°	826.8	848.8	855.0	854.9	855.0	848.8	826.8	801.5	773.0	736.8	693.2
-70°	596.0	610.6	613.0	610.3	613.0	610.6	596.0	578.0	556.7	530.4	497.5
-72.5°	360.5	368.8	372.1	372.3	372.1	368.8	360.5	349.5	336.1	318.9	296.0
-75°	172.4	175.5	178.0	179.6	178.0	175.5	172.4	168.1	162.5	155.2	144.9
-77.5°	90.3	94.4	96.1	97.4	96.1	94.4	90.3	85.9	81.3	76.5	71.6
-80°	57.7	60.2	60.5	60.6	60.5	60.2	57.7	54.9	52.1	49.1	46.1
-82.5°	38.6	40.9	41.1	41.1	41.1	40.9	38.6	36.2	33.7	31.3	29.8
-85°	26.3	28.0	29.2	30.3	29.2	28.0	26.3	24.6	22.9	21.1	19.9
-87.5°	20.0	21.6	21.6	21.6	21.6	21.6	20.0	18.3	16.7	15.0	13.9
-90°	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.7	2.2	2.7



REPORT NUMBER: P731699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	9.8	9.2	8.7	8.7	8.7	8.7	8.7	9.2	9.8	10.3	10.8
87.5°	3.3	3.8	4.3	4.9	5.4	6.0	6.5	7.1	7.6	8.2	8.7
85°	3.3	3.8	4.3	4.9	5.4	6.0	6.5	7.1	7.6	8.2	8.7
82.5°	5.0	5.5	5.9	6.0	6.1	6.3	6.6	7.1	7.7	8.2	8.8
80°	5.5	6.0	6.5	6.5	6.5	6.5	6.6	7.1	7.7	8.2	8.8
77.5°	5.5	6.1	6.6	6.8	6.9	6.9	6.8	7.2	7.7	8.3	8.8
75°	5.5	6.1	6.7	7.4	8.0	8.4	8.7	8.9	9.0	9.2	9.3
72.5°	9.5	9.8	10.0	10.1	9.6	10.0	10.7	11.1	11.2	11.1	10.6
70°	14.4	15.9	17.8	19.9	20.9	20.8	19.8	18.0	15.3	14.2	13.2
67.5°	16.8	18.8	22.1	25.8	28.2	30.0	31.6	32.0	30.2	27.0	19.9
65°	16.7	18.8	21.4	24.3	28.0	32.5	39.2	42.7	43.0	40.8	31.7
62.5°	14.0	16.7	18.3	20.4	23.3	28.1	35.9	42.9	49.7	51.6	41.4
60°	10.0	10.9	13.0	15.2	17.5	22.6	30.9	39.3	47.8	47.9	44.6
57.5°	8.9	9.4	10.8	12.0	12.9	17.2	24.5	33.9	43.2	41.9	39.6
55°	10.7	11.2	11.8	12.4	13.1	14.7	18.0	24.4	32.8	34.8	33.2
52.5°	12.8	13.4	14.0	14.6	14.8	14.6	14.6	18.5	22.3	25.7	26.8
50°	15.1	15.7	16.3	16.8	17.0	16.6	16.1	15.8	18.0	20.6	21.6
47.5°	19.9	20.7	19.4	19.2	20.6	19.4	18.7	18.9	20.1	19.3	20.4
45°	33.0	32.0	29.8	29.5	28.6	27.6	23.8	25.6	26.0	24.8	21.4
42.5°	63.4	53.9	46.8	47.3	44.5	41.5	38.0	37.2	36.0	33.0	31.0
40°	96.9	96.2	87.0	76.8	70.1	61.3	57.4	52.7	49.8	45.4	44.3
37.5°	137.9	134.4	140.3	135.1	115.8	98.3	86.2	73.8	65.6	69.8	66.3
35°	204.5	200.8	210.5	200.7	185.7	177.7	137.4	107.4	97.4	108.2	97.3
32.5°	304.8	352.9	337.2	311.3	324.7	305.7	243.8	168.3	167.3	164.6	145.9
30°	597.5	640.0	617.9	547.6	566.2	526.4	397.7	371.9	311.8	237.4	207.5
27.5°	1302.1	1061.5	1023.4	1008.7	894.6	819.9	755.6	680.9	525.0	385.2	288.2
25°	2228.2	1871.6	1617.3	1547.6	1406.6	1192.6	1156.1	1063.6	872.0	585.5	396.2
22.5°	3303.1	2811.3	2401.7	2148.1	1922.3	1661.2	1525.0	1466.8	1260.7	836.6	571.7
20°	4400.0	3746.2	3189.1	2784.2	2378.1	2066.1	1886.8	1795.0	1539.3	1141.6	755.1
17.5°	6923.3	4917.6	4082.6	3466.5	2893.1	2467.8	2295.4	2077.9	1817.3	1437.4	933.5
15°	10856.9	7587.4	5619.4	4440.3	3593.2	3122.6	2825.8	2409.8	2090.3	1698.6	1210.9
12.5°	20360.2	12143.5	7494.2	5796.4	4701.7	3935.6	3446.3	2876.7	2398.5	2057.0	1621.8
10°	30709.2	18467.8	11140.4	7762.7	6037.8	4865.6	4047.1	3349.7	2799.7	2448.5	2027.9
7.5°	43215.3	25604.8	15014.8	9652.6	7235.0	5657.7	4574.6	3752.1	3172.6	2815.0	2423.0
5°	53375.3	30771.0	17377.5	11068.0	8239.5	6401.3	5113.4	4093.4	3518.8	3158.8	2799.7
2.5°	59675.8	33547.4	18773.7	12241.3	9078.0	7025.5	5555.7	4383.8	3787.7	3381.8	3009.0
0°	61232.0	35734.6	19870.3	12278.0	9492.6	7412.7	5821.9	4638.1	4012.6	3568.9	3185.8
-2.5°	61340.7	35136.6	19635.6	12161.6	9290.5	7332.0	5830.2	4760.1	4140.8	3665.6	3250.8
-5°	56634.8	32017.4	18230.9	11743.9	8987.5	7148.2	5812.1	4871.3	4238.1	3746.7	3273.9
-7.5°	51214.6	28252.4	16433.3	11075.9	8557.1	6905.2	5784.2	4961.4	4304.4	3835.6	3304.8
-10°	41198.6	23774.2	14804.8	10502.8	8160.9	6653.7	5752.1	4989.6	4352.4	3908.3	3286.3
-12.5°	34782.4	19922.0	12825.1	9713.3	7841.8	6550.5	5724.5	4936.3	4385.3	3966.2	3214.9
-15°	25965.4	16613.1	11649.8	9126.9	7581.5	6413.7	5618.9	4779.9	4265.3	3937.1	3088.5
-17.5°	19340.7	13213.2	9976.6	8156.7	6953.7	6219.0	5402.6	4610.6	4060.2	3639.6	2767.8
-20°	13068.6	10274.1	8570.2	7169.6	6147.8	5538.3	4978.7	4314.6	3807.3	3214.4	2362.4



REPORT NUMBER: P731699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9692.2	8201.0	6998.5	6013.6	5332.9	4820.1	4349.3	3872.7	3494.3	2774.0	1948.9
-25°	7530.2	6485.3	5700.8	5173.6	4588.8	4113.6	3775.3	3482.2	3005.9	2313.8	1577.2
-27.5°	6041.9	5314.9	4894.5	4505.4	4051.8	3621.4	3340.2	3085.1	2514.0	1860.1	1455.3
-30°	5054.9	4729.4	4373.0	4003.5	3659.6	3313.7	3025.5	2563.9	2036.4	1508.2	1345.3
-32.5°	4521.6	4273.5	3961.8	3633.0	3342.2	3091.7	2637.1	2069.5	1586.1	1393.9	1254.4
-35°	4132.2	3877.9	3580.1	3335.9	3112.5	2728.1	2231.4	1678.5	1411.0	1288.1	1169.8
-37.5°	3774.5	3501.8	3293.9	3071.0	2740.3	2302.4	1753.6	1464.1	1311.7	1200.7	1079.9
-40°	3542.5	3288.7	2961.4	2674.0	2224.7	1726.9	1507.1	1357.5	1238.2	1108.5	983.8
-42.5°	3183.9	2856.7	2463.7	2014.0	1646.9	1514.5	1387.0	1274.9	1151.2	1014.3	891.7
-45°	2497.9	2094.5	1726.7	1600.8	1479.0	1384.6	1294.2	1173.9	1044.4	921.5	801.1
-47.5°	1750.4	1629.6	1516.7	1439.4	1362.4	1276.2	1170.3	1055.0	940.6	828.3	733.7
-50°	1499.7	1454.1	1397.2	1324.7	1235.3	1140.2	1042.8	940.9	842.8	754.8	664.9
-52.5°	1412.5	1345.9	1270.7	1185.9	1099.3	1013.1	922.6	845.0	763.5	681.1	596.3
-55°	1284.8	1214.7	1139.0	1057.5	975.0	907.9	836.7	761.8	686.0	607.5	534.0
-57.5°	1153.9	1088.5	1023.4	956.1	886.6	817.2	747.4	677.4	609.5	540.1	473.4
-60°	1049.8	989.0	926.3	859.2	787.5	718.6	658.9	597.1	533.4	477.9	420.8
-62.5°	950.9	890.0	823.7	755.7	691.2	631.7	575.4	521.5	471.6	421.0	356.3
-65°	812.1	754.1	697.6	642.5	589.2	538.3	490.9	438.9	385.7	335.3	279.3
-67.5°	650.2	608.4	565.2	518.3	466.2	416.3	368.8	324.0	281.1	238.8	190.0
-70°	462.1	424.3	384.7	345.8	310.2	275.3	239.9	204.5	169.4	142.3	114.4
-72.5°	271.5	245.5	219.3	193.2	166.1	146.8	129.7	111.6	92.1	71.2	55.4
-75°	133.6	121.3	108.5	96.1	82.6	67.9	60.1	55.6	51.0	46.1	41.0
-77.5°	66.6	61.5	56.7	53.2	49.7	46.2	42.7	39.1	36.3	33.8	31.4
-80°	43.2	40.2	37.5	35.8	33.9	32.0	30.0	28.3	26.7	25.4	24.0
-82.5°	28.3	26.6	25.0	23.9	22.6	21.4	20.1	19.3	18.4	17.5	16.5
-85°	18.6	17.4	16.1	15.4	14.8	14.2	13.6	13.6	13.7	13.8	13.9
-87.5°	12.8	11.7	10.6	10.6	10.5	10.5	10.4	10.9	11.4	11.9	12.4
-90°	3.3	3.8	4.3	4.9	5.4	6.0	6.5	7.1	7.6	8.2	8.7



REPORT NUMBER: P731699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	10.8	10.8	10.8	10.8	11.4	11.9	12.5	13.0	12.4	11.9	11.4
87.5°	8.7	8.7	8.7	8.7	9.2	9.8	10.3	10.8	10.8	10.8	10.8
85°	8.9	9.0	9.0	9.0	9.4	9.8	10.3	10.8	10.8	10.8	10.8
82.5°	9.3	9.7	10.0	10.2	10.2	10.3	10.5	10.8	10.9	10.8	10.8
80°	9.3	9.8	10.4	10.8	10.8	10.8	10.7	10.9	11.1	11.2	11.1
77.5°	9.4	9.9	10.4	10.8	10.8	10.8	10.8	10.9	11.4	11.6	11.7
75°	9.5	10.0	10.5	10.8	10.8	10.8	10.8	11.0	11.5	12.0	12.2
72.5°	10.4	10.4	10.6	10.8	10.8	10.8	10.8	11.0	11.6	12.1	12.6
70°	12.0	11.0	10.8	11.0	11.0	10.8	10.8	11.1	11.6	12.1	12.7
67.5°	14.1	12.8	11.7	11.4	11.5	11.4	10.9	11.2	11.7	12.2	12.7
65°	23.4	17.0	12.9	12.4	12.2	12.2	11.9	11.5	11.8	12.3	12.8
62.5°	31.8	23.1	17.4	14.0	12.8	12.7	12.8	12.2	11.9	12.4	12.9
60°	39.8	29.8	22.1	17.7	14.4	12.9	13.0	12.8	12.4	12.5	12.9
57.5°	36.8	34.6	28.1	21.5	17.1	14.1	13.0	13.0	12.8	12.7	13.0
55°	31.4	30.2	31.0	26.0	19.9	16.0	13.6	13.0	13.0	12.8	13.0
52.5°	25.5	27.1	29.4	28.4	23.0	17.8	15.0	13.0	13.0	13.0	13.0
50°	21.1	24.4	28.1	28.8	25.3	20.1	16.3	14.0	13.0	13.0	13.1
47.5°	21.1	23.9	26.4	29.4	27.2	22.0	17.7	14.9	13.0	13.0	13.3
45°	24.4	25.7	26.5	28.4	29.1	23.5	19.0	15.8	13.7	13.1	13.5
42.5°	29.7	30.3	29.5	27.9	29.0	24.6	20.0	16.6	14.3	13.3	13.7
40°	41.1	37.0	34.1	33.2	30.0	25.4	20.6	17.1	14.8	13.6	13.8
37.5°	54.6	47.8	41.7	42.7	34.4	27.7	21.0	17.4	15.6	14.2	13.9
35°	79.5	62.0	59.3	57.7	46.3	31.3	20.9	17.5	16.4	14.8	14.0
32.5°	109.4	92.0	89.1	77.6	61.4	36.2	23.2	19.0	17.4	15.4	14.2
30°	165.5	148.7	127.5	101.2	80.0	50.2	28.6	21.0	18.5	16.0	14.4
27.5°	255.1	215.4	176.0	136.5	102.4	67.1	35.6	23.4	19.8	16.6	14.9
25°	351.0	297.6	240.1	180.1	127.3	91.5	42.4	26.3	21.5	17.6	15.3
22.5°	452.3	386.3	310.7	228.5	163.1	120.4	55.8	32.1	23.6	18.6	15.7
20°	555.3	478.1	389.8	286.8	207.2	151.0	77.5	37.7	26.0	19.6	16.1
17.5°	668.8	589.6	491.9	360.2	255.1	183.0	101.2	43.1	28.5	20.7	16.5
15°	885.5	725.0	603.8	440.1	302.4	215.9	126.3	48.2	31.1	21.8	16.9
12.5°	1149.9	861.6	722.7	524.3	348.7	249.3	152.1	53.0	33.7	23.6	17.4
10°	1440.6	998.4	845.8	610.6	393.6	282.4	177.8	61.5	38.9	26.2	17.9
7.5°	1745.4	1133.8	969.8	696.4	441.7	329.1	227.9	78.8	44.5	28.9	18.3
5°	2028.8	1255.9	1092.7	803.2	516.7	389.1	282.0	96.8	50.1	31.7	18.7
2.5°	2198.1	1355.2	1208.1	907.0	589.0	446.9	334.4	114.7	55.5	34.3	19.1
0°	2335.3	1447.9	1313.7	1002.1	657.9	502.1	383.1	132.0	60.6	36.8	19.5
-2.5°	2363.4	1500.6	1350.4	1056.1	722.5	556.1	422.4	160.5	80.5	48.8	25.9
-5°	2357.7	1547.1	1378.8	1100.8	782.1	606.2	455.2	187.0	99.6	60.3	32.1
-7.5°	2350.7	1569.2	1393.6	1133.0	836.1	651.7	480.8	211.2	117.4	71.1	37.9
-10°	2299.3	1574.1	1389.9	1128.6	847.6	670.4	495.0	232.5	133.7	80.8	43.1
-12.5°	2187.6	1573.1	1380.2	1114.3	844.6	664.5	480.1	247.3	148.0	89.2	47.5
-15°	2009.6	1566.5	1365.1	1090.2	833.0	654.7	462.8	257.7	159.4	96.8	50.9
-17.5°	1748.7	1554.3	1345.3	1056.1	812.1	641.1	443.8	265.1	169.0	103.6	54.1
-20°	1625.9	1494.5	1317.2	1012.3	781.2	623.8	424.2	269.4	176.6	108.5	56.8



REPORT NUMBER: P731699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1535.2	1395.8	1215.4	971.7	748.2	602.7	404.8	270.4	182.2	111.5	58.2
-25°	1430.1	1294.3	1107.1	897.2	720.6	571.9	394.4	268.1	185.5	112.3	58.2
-27.5°	1316.5	1187.0	1004.2	822.7	679.7	544.1	389.6	270.6	186.4	110.9	56.7
-30°	1202.2	1075.1	916.9	755.7	637.0	506.1	380.6	270.4	184.5	108.6	53.6
-32.5°	1114.4	973.5	835.2	706.5	592.3	467.5	359.3	267.3	179.5	104.9	51.3
-35°	1031.9	891.2	758.4	656.1	547.6	435.3	334.4	261.2	171.2	98.9	48.5
-37.5°	946.0	816.3	702.8	606.2	503.5	400.5	314.2	241.7	159.7	90.5	44.5
-40°	863.1	747.5	649.8	558.9	461.9	363.2	292.0	219.6	147.3	79.7	39.1
-42.5°	780.0	687.5	597.7	512.4	418.6	336.4	267.6	195.9	129.8	70.5	32.4
-45°	712.7	626.1	543.5	461.5	375.3	307.8	239.9	171.3	110.1	61.3	27.4
-47.5°	643.4	564.1	488.7	410.6	341.7	276.8	210.6	147.6	89.2	50.4	25.8
-50°	573.6	503.7	435.3	368.6	306.2	243.1	180.5	122.1	74.4	37.5	23.8
-52.5°	515.8	449.0	387.4	328.0	268.1	208.0	150.2	96.0	58.4	31.3	21.5
-55°	462.6	397.6	341.7	285.1	228.2	172.0	118.1	76.6	41.4	27.9	19.1
-57.5°	411.9	348.2	293.5	240.1	185.9	133.9	91.0	56.0	34.0	24.2	18.8
-60°	359.8	296.8	243.3	191.2	141.0	99.4	66.3	39.5	29.2	20.9	18.4
-62.5°	296.2	239.8	186.1	138.7	100.9	69.5	43.8	33.3	24.0	20.1	17.9
-65°	223.7	172.3	126.6	95.2	65.8	44.3	35.9	26.7	21.9	19.2	17.3
-67.5°	144.0	111.7	81.5	54.4	43.2	35.8	27.8	23.3	20.4	18.1	16.7
-70°	86.1	59.5	47.1	40.7	34.1	27.8	24.2	21.1	18.7	17.2	16.1
-72.5°	48.9	42.7	36.9	31.4	27.9	24.5	21.4	19.0	17.5	16.3	15.4
-75°	35.9	32.6	29.8	26.9	23.9	21.1	19.0	17.3	16.2	15.3	14.7
-77.5°	29.0	26.7	24.5	22.6	20.5	18.7	17.0	15.6	15.0	14.5	14.1
-80°	22.4	21.1	20.0	19.0	17.5	16.1	15.2	14.5	14.2	13.8	13.4
-82.5°	16.0	16.1	16.1	16.1	15.3	14.6	14.0	13.6	13.3	13.1	12.8
-85°	14.0	13.9	13.8	13.6	13.3	13.0	13.0	13.0	12.9	12.6	12.3
-87.5°	12.3	12.2	12.1	12.1	12.2	12.5	12.7	13.0	12.7	12.3	11.8
-90°	8.7	8.7	8.7	8.7	9.2	9.8	10.3	10.8	10.8	10.8	10.8



REPORT NUMBER: P731699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.8	10.8	10.8	10.8	10.8	10.8	10.8
87.5°	10.8	10.9	11.0	11.0	11.0	10.8	10.8
85°	10.8	11.0	11.2	11.2	11.2	10.9	10.8
82.5°	10.8	11.2	11.4	11.4	11.4	10.9	10.8
80°	10.9	11.3	11.6	11.7	11.6	11.0	10.8
77.5°	11.5	11.5	11.8	11.9	11.7	11.0	10.8
75°	12.0	11.9	12.0	12.1	11.9	11.1	10.8
72.5°	12.6	12.2	12.2	12.4	12.1	11.1	10.8
70°	13.0	12.6	12.4	12.6	12.2	11.2	10.8
67.5°	13.0	12.9	12.6	12.6	12.4	11.2	10.8
65°	13.0	13.0	12.7	12.7	12.5	11.2	10.8
62.5°	13.0	13.0	12.9	12.8	12.6	11.3	10.8
60°	13.0	13.0	13.0	12.8	12.7	11.3	10.8
57.5°	13.0	13.0	13.0	12.9	12.7	11.3	10.8
55°	13.0	13.0	13.0	12.9	12.7	11.3	10.8
52.5°	13.0	13.0	13.0	13.0	12.6	11.3	10.8
50°	13.0	13.0	13.0	13.0	12.6	11.3	10.8
47.5°	13.0	13.0	13.0	13.0	12.6	11.3	10.8
45°	13.2	13.0	13.0	13.0	12.6	11.4	10.8
42.5°	13.4	13.0	13.0	13.0	12.6	11.3	10.8
40°	13.7	13.0	13.0	13.0	12.6	11.3	10.8
37.5°	13.9	13.0	13.0	13.0	12.6	11.3	10.8
35°	14.2	13.1	13.0	13.0	12.7	11.3	10.8
32.5°	14.5	13.4	13.0	13.0	12.7	11.3	10.8
30°	14.6	13.6	13.0	13.0	12.7	11.3	10.8
27.5°	14.7	13.9	13.0	13.0	12.7	11.3	10.8
25°	14.9	14.1	13.0	13.0	12.8	11.2	10.8
22.5°	15.0	14.4	13.0	13.0	12.8	11.2	10.8
20°	15.1	14.5	13.0	13.0	12.8	11.2	10.8
17.5°	15.3	14.7	13.0	13.0	12.9	11.1	10.8
15°	15.5	14.8	13.0	13.0	12.9	11.1	10.8
12.5°	15.8	14.9	13.0	13.0	12.9	11.0	10.8
10°	16.1	15.0	13.0	13.0	12.9	11.0	10.8
7.5°	16.4	15.1	13.0	13.0	13.0	10.9	10.8
5°	16.7	15.2	13.0	13.0	13.0	10.9	10.8
2.5°	17.0	15.2	13.0	13.0	13.0	10.8	10.8
0°	17.3	15.2	13.0	13.0	13.0	10.8	10.8
-2.5°	19.0	15.2	13.0	13.0	13.0	10.8	10.8
-5°	20.6	15.2	13.0	13.0	13.0	10.8	10.8
-7.5°	22.1	15.1	13.0	13.0	13.0	10.8	10.8
-10°	23.4	15.0	13.0	13.0	12.9	10.8	10.8
-12.5°	24.4	14.9	13.0	13.0	12.9	10.8	10.8
-15°	25.0	14.8	13.0	13.0	12.8	10.8	10.8
-17.5°	25.3	14.7	13.0	13.0	12.8	10.8	10.8
-20°	25.7	14.5	13.0	13.0	12.7	10.8	10.8



REPORT NUMBER: P731699 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	26.4	14.4	13.0	13.0	12.7	10.8	10.8
-25°	26.5	14.6	13.0	13.0	12.6	10.8	10.8
-27.5°	25.7	14.9	13.0	13.0	12.5	10.8	10.8
-30°	24.2	15.0	13.0	13.0	12.4	10.8	10.8
-32.5°	21.9	15.0	13.2	13.0	12.3	10.8	10.8
-35°	21.0	14.9	13.4	13.0	12.2	10.8	10.8
-37.5°	20.8	14.7	13.5	13.0	12.1	10.8	10.8
-40°	20.3	14.9	13.6	13.0	12.0	10.8	10.8
-42.5°	19.6	15.0	13.7	13.0	11.8	10.8	10.8
-45°	18.6	15.1	13.8	13.1	11.7	10.8	10.8
-47.5°	17.3	15.2	13.9	13.1	11.6	10.8	10.8
-50°	17.0	15.2	13.9	13.0	11.4	10.8	10.8
-52.5°	17.0	15.2	13.9	12.8	11.3	10.8	10.8
-55°	16.8	15.1	13.9	12.6	11.1	10.8	10.8
-57.5°	16.7	15.0	13.9	12.4	11.0	10.8	10.8
-60°	16.4	14.9	13.8	12.2	10.8	10.8	10.8
-62.5°	16.2	14.7	13.5	12.0	10.8	10.8	10.8
-65°	15.8	14.5	13.2	11.8	10.8	10.8	10.8
-67.5°	15.5	14.2	12.9	11.5	10.8	10.8	10.8
-70°	15.1	13.8	12.6	11.3	10.8	10.8	10.8
-72.5°	14.6	13.4	12.2	11.2	10.8	10.8	10.8
-75°	14.1	13.0	11.9	11.2	10.8	10.8	10.8
-77.5°	13.6	12.5	11.7	11.1	10.8	10.8	10.8
-80°	13.0	12.2	11.5	11.1	10.8	10.8	10.8
-82.5°	12.5	11.9	11.4	11.0	10.8	10.8	10.8
-85°	11.9	11.5	11.2	10.9	10.8	10.8	10.8
-87.5°	11.4	11.2	11.0	10.9	10.8	10.8	10.8
-90°	10.8	10.8	10.8	10.8	10.8	10.8	10.8

(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

