

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: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-70-3S-CV2-S**

Issue Date: 8/29/2023

Test Information

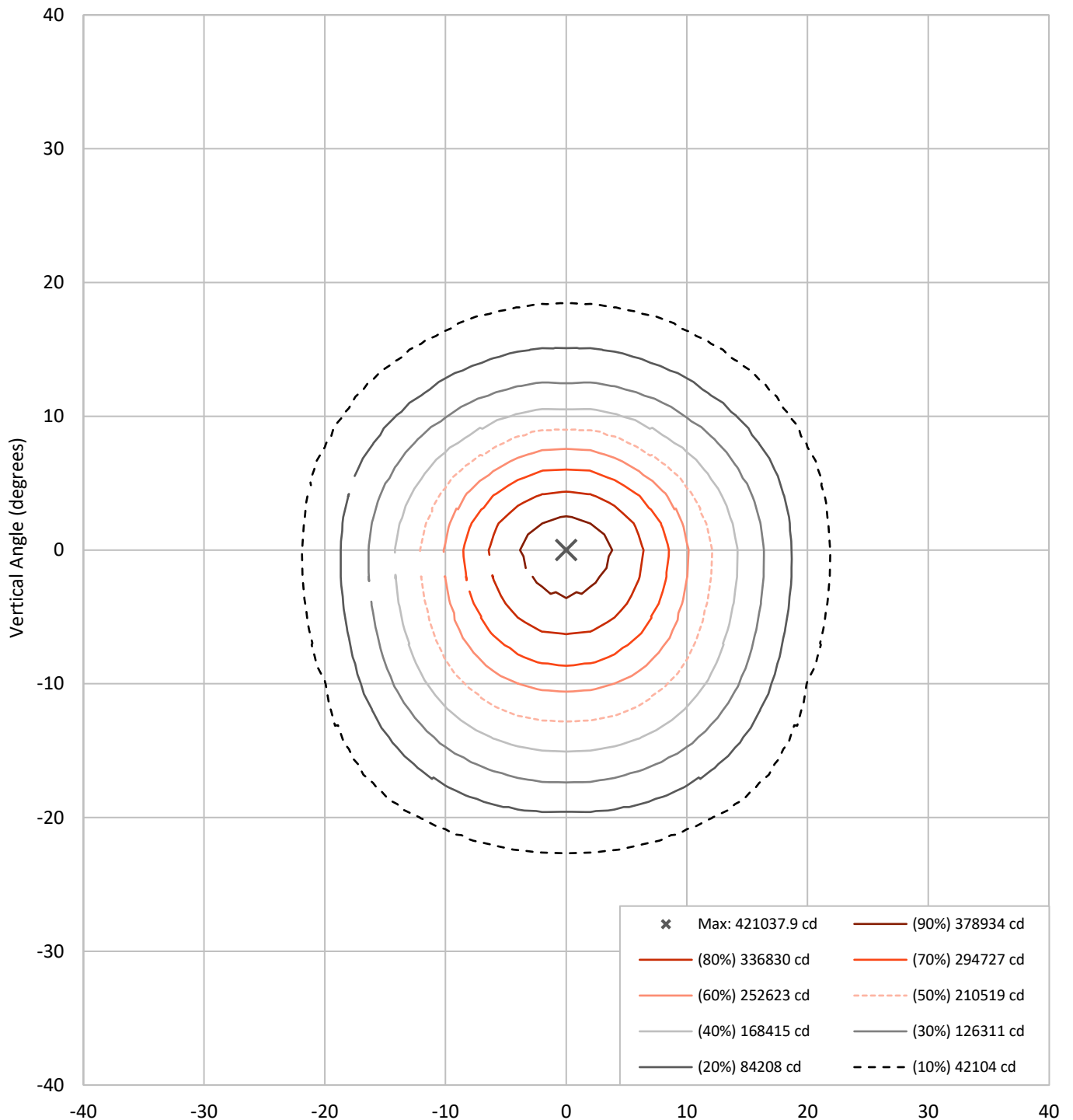
Test Method: LM-79-08
Report Number: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-18)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-40-70-3S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 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:	83107.8 lumens	Max Intensity:	421037.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	119.2 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:	37657.3 lumens	Field Lumens:	71263.4 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%
Input Watts (W):	697.5		
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: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV2-S

Iso-Candela Plot





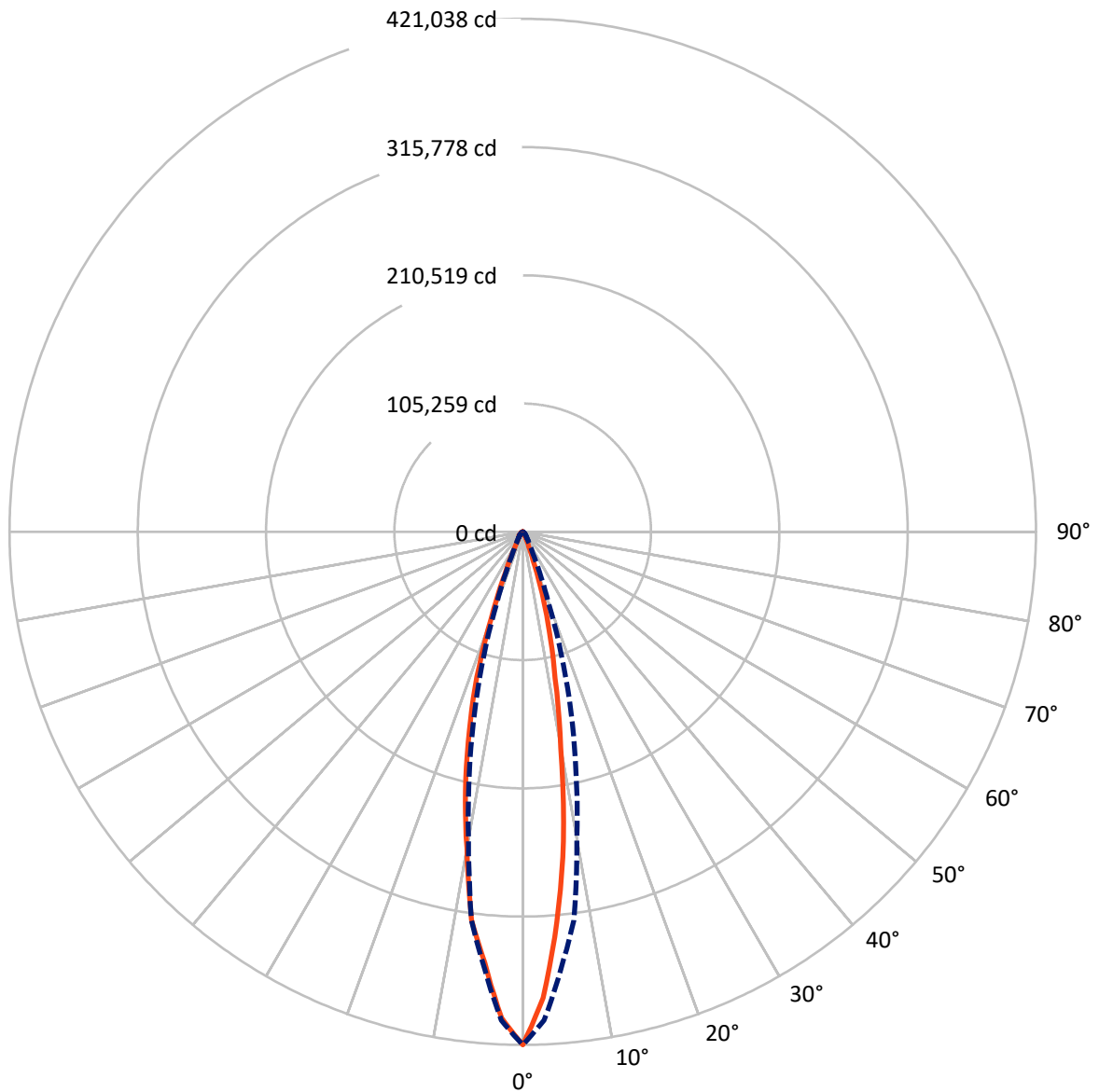
REPORT NUMBER: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV2-S

Lumen Table

90	0.2		0.6		0.8		0.7		0.6		0.7		0.8		0.6		0.2	
80	0.2		0.6		0.8		0.7		0.6		0.7		0.8		0.6		0.2	
70	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	0.3	0.3
60		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			
50	0.3	0.2	0.5	0.6	0.8	1.1	1.4	1.5	1.5	1.4	1.1	0.8	0.6	0.5	0.2	0.3	0.3	0.3
40		0.3	1.0	2.3	4.5	7.0	8.8	10.8	10.8	8.8	7.0	4.5	2.3	1.0	0.3			
30	0.3	0.5	3.4	11.0	28.9	49.8	114.2	238.7	238.7	114.2	49.8	28.9	11.0	3.4	0.5	0.3	0.3	0.3
20		1.1	8.2	29.4	72.8	199.5	1048.7	2462.4	2462.4	1048.7	199.5	72.8	29.4	8.2	1.1			
10	0.4	2.2	14.4	55.2	133.3	600.7	3620.1	8281.3	8281.3	3620.1	600.7	133.3	55.2	14.4	2.2	0.4	0.4	0.4
0		3.7	19.1	66.7	152.9	648.3	4177.6	9414.1	9414.1	4177.6	648.3	152.9	66.7	19.1	3.7			
-10	0.7	4.2	19.4	63.4	140.4	377.9	2136.1	4676.9	4676.9	2136.1	377.9	140.4	63.4	19.4	4.2	0.7	0.7	0.7
-20		4.0	16.2	41.4	96.7	170.5	391.7	798.0	798.0	391.7	170.5	96.7	41.4	16.2	4.0			
-30	0.6	3.4	11.7	25.4	56.2	100.3	138.7	167.9	167.9	138.7	100.3	56.2	25.4	11.7	3.4	0.6	0.6	0.6
-40		2.4	8.2	17.8	32.2	55.4	89.9	117.0	117.0	89.9	55.4	32.2	17.8	8.2	2.4			
-50	0.3	1.2	5.0	11.7	21.0	31.6	41.2	47.4	47.4	41.2	31.6	21.0	11.7	5.0	1.2	0.3	0.3	0.3
-60		0.4	1.9	6.0	11.8	18.9	26.1	30.5	30.5	26.1	18.9	11.8	6.0	1.9	0.4			
-70	0.3	0.4	1.9	6.0	11.8	18.9	26.1	30.5	30.5	26.1	18.9	11.8	6.0	1.9	0.4	0.3	0.3	0.3
-80		0.3	1.1	4.1	11.5	16.4	11.5	4.1	1.1	0.3								
-90	0.3		1.1		4.1		11.5		16.4		11.5		4.1		1.1		0.3	

REPORT NUMBER: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV2-S

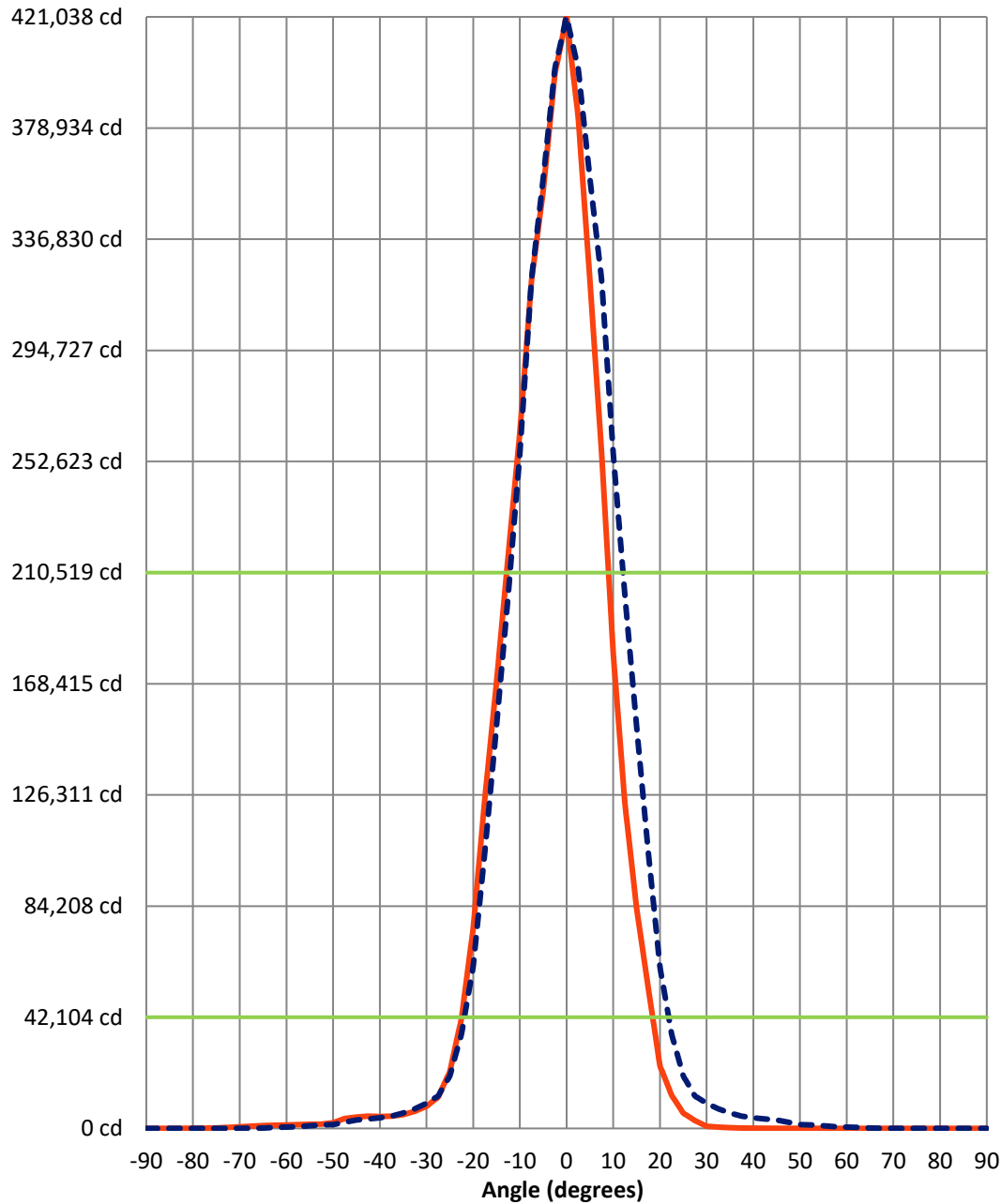
Luminous Intensity Polar Plot



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

REPORT NUMBER: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV2-S

Luminous Intensity Plot



Beam:
 H Angle: 24.2°
 V Angle: 21.8°
 Lumens: 37657.3
 Efficiency: 45.3%

Field:
 H Angle: 43.8°
 V Angle: 40.9°
 Lumens: 71263.4
 Efficiency: 85.7%

Spill:
 Lumens: 11844.4
 Efficiency: 14.3%

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



REPORT NUMBER: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV2-S

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	26.4
22.5°	10.8	11.2	12.8	13.0	13.0	14.4	15.0	15.7	18.6	23.7	32.2
20°	10.8	11.2	12.8	13.0	13.0	14.5	15.1	16.1	19.6	26.0	37.8
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	48.3
12.5°	10.8	11.0	12.9	13.0	13.0	14.9	15.8	17.4	23.6	33.8	53.1
10°	10.8	11.0	12.9	13.0	13.0	15.0	16.1	17.9	26.2	39.0	61.6
7.5°	10.8	10.9	13.0	13.0	13.0	15.1	16.4	18.3	29.0	44.6	78.9
5°	10.8	10.9	13.0	13.0	13.0	15.2	16.7	18.7	31.7	50.2	96.9
2.5°	10.8	10.8	13.0	13.0	13.0	15.2	17.0	19.1	34.4	55.6	114.9
0°	10.8	10.8	13.0	13.0	13.0	15.2	17.3	19.5	36.9	60.7	132.2
-2.5°	10.8	10.8	13.0	13.0	13.0	15.2	19.0	25.9	48.9	80.6	160.7
-5°	10.8	10.8	13.0	13.0	13.0	15.2	20.6	32.2	60.5	99.7	187.3
-7.5°	10.8	10.8	13.0	13.0	13.0	15.1	22.1	38.0	71.2	117.6	211.5
-10°	10.8	10.8	12.9	13.0	13.0	15.0	23.4	43.1	80.9	133.9	232.8
-12.5°	10.8	10.8	12.9	13.0	13.0	14.9	24.4	47.5	89.4	148.2	247.7
-15°	10.8	10.8	12.8	13.0	13.0	14.8	25.0	50.9	97.0	159.6	258.1
-17.5°	10.8	10.8	12.8	13.0	13.0	14.7	25.3	54.1	103.7	169.3	265.5
-20°	10.8	10.8	12.7	13.0	13.0	14.5	25.7	56.9	108.7	176.9	269.8



REPORT NUMBER: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV2-S

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	58.3	111.7	182.5	270.8
-25°	10.8	10.8	12.6	13.0	13.0	14.6	26.5	58.3	112.5	185.8	268.5
-27.5°	10.8	10.8	12.5	13.0	13.0	14.9	25.8	56.8	111.1	186.8	271.0
-30°	10.8	10.8	12.4	13.0	13.0	15.0	24.2	53.6	108.8	184.8	270.9
-32.5°	10.8	10.8	12.3	13.0	13.2	15.0	21.9	51.3	105.1	179.8	267.7
-35°	10.8	10.8	12.2	13.0	13.4	14.9	21.0	48.6	99.0	171.5	261.6
-37.5°	10.8	10.8	12.1	13.0	13.5	14.7	20.8	44.5	90.6	160.0	242.1
-40°	10.8	10.8	12.0	13.0	13.6	14.9	20.3	39.1	79.8	147.6	220.0
-42.5°	10.8	10.8	11.8	13.0	13.7	15.0	19.6	32.4	70.6	130.0	196.3
-45°	10.8	10.8	11.7	13.1	13.8	15.1	18.6	27.4	61.4	110.3	171.6
-47.5°	10.8	10.8	11.6	13.1	13.9	15.2	17.3	25.8	50.4	89.3	147.8
-50°	10.8	10.8	11.4	13.0	13.9	15.2	17.0	23.8	37.5	74.5	122.3
-52.5°	10.8	10.8	11.3	12.8	13.9	15.2	17.0	21.5	31.3	58.5	96.2
-55°	10.8	10.8	11.1	12.6	13.9	15.1	16.8	19.1	27.9	41.5	76.7
-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



REPORT NUMBER: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV2-S

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	20.0	27.1	30.3	32.0
65°	11.9	12.2	12.2	12.4	12.9	17.0	23.5	31.8	40.9	43.1	42.8
62.5°	12.8	12.7	12.8	14.0	17.4	23.2	31.9	41.5	51.7	49.8	43.0
60°	13.0	12.9	14.4	17.7	22.2	29.9	39.9	44.7	48.0	47.9	39.4
57.5°	13.0	14.1	17.1	21.6	28.2	34.7	36.9	39.7	42.0	43.3	34.0
55°	13.6	16.0	19.9	26.0	31.1	30.3	31.5	33.3	34.9	32.9	24.4
52.5°	15.0	17.8	23.0	28.4	29.5	27.2	25.6	26.9	25.7	22.3	18.5
50°	16.3	20.1	25.3	28.8	28.2	24.5	21.2	21.7	20.6	18.1	15.8
47.5°	17.7	22.0	27.2	29.4	26.4	24.0	21.1	20.4	19.3	20.1	18.9
45°	19.0	23.5	29.1	28.5	26.6	25.8	24.5	21.5	24.8	26.0	25.7
42.5°	20.0	24.6	29.0	28.0	29.6	30.3	29.8	31.0	33.0	36.0	37.3
40°	20.6	25.4	30.1	33.3	34.2	37.1	41.2	44.4	45.5	49.9	52.8
37.5°	21.0	27.7	34.5	42.8	41.8	47.9	54.6	66.4	69.9	65.7	73.9
35°	20.9	31.4	46.4	57.8	59.5	62.1	79.7	97.4	108.3	97.5	107.5
32.5°	23.2	36.2	61.5	77.7	89.3	92.2	109.6	146.1	164.9	167.5	168.6
30°	28.6	50.2	80.1	101.3	127.7	149.0	165.8	207.8	237.8	312.3	372.4
27.5°	35.6	67.1	102.6	136.7	176.3	215.8	255.5	288.6	385.8	525.9	681.9
25°	42.5	91.6	127.4	180.3	240.5	298.1	351.5	396.8	586.4	873.3	1065.3
22.5°	55.9	120.5	163.3	228.9	311.3	387.0	453.0	572.6	837.9	1262.6	1469.1
20°	77.6	151.2	207.5	287.2	390.5	478.8	556.2	756.3	1143.4	1541.7	1797.8
17.5°	101.4	183.3	255.5	360.8	492.7	590.5	669.9	935.0	1439.6	1820.2	2081.2
15°	126.5	216.2	302.9	440.8	604.8	726.1	887.0	1212.8	1701.2	2093.6	2413.7
12.5°	152.3	249.6	349.3	525.1	723.9	863.0	1151.7	1624.4	2060.3	2402.3	2881.3
10°	178.0	282.8	394.2	611.6	847.1	1000.0	1442.9	2031.1	2452.4	2804.2	3355.1
7.5°	228.3	329.6	442.4	697.5	971.3	1135.6	1748.2	2426.9	2819.5	3177.6	3758.1
5°	282.4	389.8	517.5	804.5	1094.4	1257.9	2032.0	2804.2	3163.8	3524.4	4100.0
2.5°	334.9	447.6	590.0	908.4	1210.0	1357.4	2201.6	3013.8	3387.2	3793.8	4390.8
0°	383.7	502.9	659.0	1003.7	1315.8	1450.2	2339.0	3190.9	3574.6	4019.0	4645.5
-2.5°	423.0	556.9	723.7	1057.8	1352.5	1503.0	2367.2	3256.0	3671.5	4147.5	4767.7
-5°	455.9	607.2	783.4	1102.5	1381.0	1549.5	2361.5	3279.2	3752.7	4244.8	4879.1
-7.5°	481.6	652.7	837.4	1134.8	1395.8	1571.7	2354.5	3310.1	3841.8	4311.2	4969.4
-10°	495.8	671.5	848.9	1130.3	1392.1	1576.6	2303.0	3291.5	3914.5	4359.4	4997.6
-12.5°	480.9	665.5	846.0	1116.1	1382.4	1575.7	2191.1	3220.0	3972.5	4392.3	4944.1
-15°	463.5	655.7	834.4	1091.9	1367.2	1569.0	2012.8	3093.4	3943.4	4272.1	4787.5
-17.5°	444.5	642.1	813.4	1057.9	1347.4	1556.8	1751.5	2772.2	3645.4	4066.7	4617.9
-20°	424.9	624.7	782.4	1014.0	1319.2	1496.9	1628.5	2366.2	3219.5	3813.4	4321.4



REPORT NUMBER: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	405.4	603.6	749.3	973.3	1217.3	1398.0	1537.7	1951.9	2778.4	3499.9	3878.8
-25°	395.1	572.8	721.7	898.6	1108.8	1296.4	1432.4	1579.7	2317.4	3010.6	3487.7
-27.5°	390.2	544.9	680.7	824.0	1005.9	1188.9	1318.6	1457.6	1863.0	2518.0	3090.0
-30°	381.2	506.9	637.9	756.8	918.4	1076.8	1204.2	1347.5	1510.6	2039.6	2568.0
-32.5°	359.9	468.3	593.2	707.6	836.5	975.1	1116.2	1256.4	1396.0	1588.5	2072.7
-35°	334.9	436.0	548.5	657.1	759.6	892.6	1033.6	1171.6	1290.1	1413.1	1681.1
-37.5°	314.7	401.1	504.4	607.1	703.9	817.6	947.5	1081.6	1202.6	1313.7	1466.4
-40°	292.5	363.8	462.6	559.8	650.9	748.7	864.5	985.4	1110.3	1240.1	1359.6
-42.5°	268.1	337.0	419.3	513.2	598.6	688.6	781.2	893.1	1016.0	1153.0	1276.9
-45°	240.3	308.3	376.0	462.2	544.3	627.1	713.9	802.4	923.0	1046.1	1175.8
-47.5°	211.0	277.2	342.3	411.3	489.4	565.0	644.4	734.9	829.7	942.1	1056.7
-50°	180.8	243.5	306.7	369.2	436.0	504.4	574.5	666.0	756.0	844.1	942.4
-52.5°	150.4	208.3	268.5	328.6	388.0	449.6	516.6	597.2	682.2	764.7	846.3
-55°	118.3	172.2	228.5	285.6	342.3	398.2	463.3	534.8	608.5	687.2	763.0
-57.5°	91.1	134.2	186.2	240.5	294.0	348.8	412.6	474.1	541.0	610.5	678.6
-60°	66.3	99.6	141.2	191.5	243.7	297.4	360.4	421.5	478.6	534.2	598.1
-62.5°	43.8	69.6	101.1	138.9	186.4	240.2	296.7	356.9	421.6	472.4	522.3
-65°	35.9	44.4	65.9	95.4	126.8	172.5	224.0	279.7	335.9	386.3	439.6
-67.5°	27.8	35.8	43.3	54.5	81.6	111.9	144.2	190.3	239.1	281.6	324.5
-70°	24.2	27.8	34.1	40.7	47.2	59.6	86.3	114.5	142.5	169.7	204.8
-72.5°	21.4	24.5	27.9	31.4	37.0	42.8	49.0	55.5	71.3	92.2	111.7
-75°	19.0	21.1	23.9	26.9	29.8	32.6	35.9	41.1	46.2	51.1	55.7
-77.5°	17.0	18.7	20.5	22.6	24.5	26.7	29.0	31.5	33.9	36.4	39.2
-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: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV2-S

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	30.1	28.2	25.8	22.1	18.8	16.8	14.9	13.1	12.5	12.7
65°	39.3	32.6	28.0	24.4	21.4	18.8	16.7	14.6	12.6	11.4	11.2
62.5°	36.0	28.2	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°	18.8	19.5	20.6	19.2	19.4	20.7	19.9	20.2	23.3	25.4	26.7
45°	23.9	27.7	28.6	29.5	29.8	32.0	33.0	33.7	40.0	42.6	42.8
42.5°	38.1	41.6	44.6	47.4	46.9	54.0	63.5	68.8	68.5	67.5	68.6
40°	57.5	61.4	70.2	76.9	87.2	96.4	97.1	88.1	89.1	99.5	100.3
37.5°	86.4	98.5	116.0	135.4	140.6	134.6	138.1	144.7	151.4	160.9	172.0
35°	137.6	178.0	186.0	201.0	210.8	201.1	204.9	222.1	222.3	253.0	269.8
32.5°	244.2	306.2	325.2	311.8	337.8	353.5	305.2	365.9	377.6	409.1	447.7
30°	398.3	527.2	567.1	548.5	618.8	641.0	598.4	720.6	792.5	791.0	972.4
27.5°	756.8	821.2	896.0	1010.3	1025.0	1063.2	1304.1	1490.6	1727.2	1950.9	2241.4
25°	1157.9	1194.4	1408.9	1550.1	1619.9	1874.6	2231.7	2523.1	3025.2	3493.9	4469.5
22.5°	1527.3	1663.8	1925.4	2151.5	2405.5	2815.7	3308.3	3849.0	5183.3	6824.9	8884.8
20°	1889.8	2069.5	2382.0	2788.6	3194.1	3752.1	4407.0	6119.8	8743.5	12720.0	17017.7
17.5°	2299.1	2471.8	2897.8	3472.1	4089.1	4925.4	6934.3	10206.9	15778.6	23557.8	31062.6
15°	2830.3	3127.6	3598.9	4447.4	5628.4	7599.5	10874.2	18946.3	30070.1	42167.7	55137.5
12.5°	3451.8	3941.9	4709.2	5805.6	7506.2	12162.8	20392.6	33354.4	49977.6	66968.2	88285.0
10°	4053.5	4873.3	6047.4	7775.1	11158.1	18497.3	30758.2	49465.2	74935.2	101205.3	124747.3
7.5°	4581.9	5666.7	7246.6	9668.0	15038.7	25645.6	43284.2	69351.6	101098.4	133561.2	165218.1
5°	5121.6	6411.5	8252.7	11085.6	17405.2	30820.1	53460.4	87557.1	125913.3	165231.8	206549.8
2.5°	5564.6	7036.7	9092.5	12260.8	18803.6	33600.9	59770.9	100237.1	144554.5	189568.5	240981.6
0°	5831.2	7424.5	9507.7	12297.6	19902.0	35791.5	61329.7	104725.7	152424.6	201916.2	255726.1
-2.5°	5839.5	7343.7	9305.3	12181.0	19667.0	35192.7	61438.5	104613.8	152001.3	199666.4	252767.9
-5°	5821.3	7159.6	9001.9	11762.6	18260.0	32068.5	56725.1	97835.9	144510.8	189619.7	237986.0
-7.5°	5793.4	6916.3	8570.8	11093.5	16459.5	28297.5	51296.3	88930.1	132967.7	174984.5	218280.5
-10°	5761.3	6664.3	8174.0	10519.5	14828.4	23812.1	41264.4	75537.6	115935.3	154707.6	190211.6
-12.5°	5733.7	6560.9	7854.3	9728.7	12845.6	19953.8	34837.8	61731.0	94445.3	127184.3	158635.2
-15°	5627.8	6423.8	7593.5	9141.4	11668.4	16639.6	26006.8	44596.1	71459.1	97321.0	122287.3
-17.5°	5411.2	6228.9	6964.8	8169.8	9992.5	13234.3	19371.5	30573.0	47821.1	68037.1	85650.5
-20°	4986.6	5547.2	6157.6	7181.1	8583.9	10290.5	13089.4	19472.1	27673.2	40859.8	50094.7



REPORT NUMBER: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4356.3	4827.7	5341.4	6023.3	7009.7	8214.2	9707.6	12067.3	16346.7	21429.1	27046.4
-25°	3781.3	4120.1	4596.1	5181.9	5709.9	6495.7	7542.3	8457.7	10306.1	11801.3	14890.8
-27.5°	3345.5	3627.2	4058.3	4512.6	4902.3	5323.4	6051.6	6698.7	7598.1	8383.2	9639.2
-30°	3030.4	3319.0	3665.5	4009.9	4380.0	4736.9	5062.9	5553.5	6092.9	6605.1	7269.5
-32.5°	2641.4	3096.7	3347.5	3638.8	3968.1	4280.3	4528.8	4839.1	5136.0	5475.3	5839.7
-35°	2235.0	2732.4	3117.5	3341.3	3585.8	3884.0	4138.7	4350.9	4547.7	4758.3	4950.8
-37.5°	1756.3	2306.0	2744.7	3075.9	3299.2	3507.3	3780.5	3984.6	4114.7	4289.3	4420.9
-40°	1509.5	1729.6	2228.2	2678.3	2966.1	3293.9	3548.2	3764.2	4002.4	4188.3	4295.6
-42.5°	1389.2	1516.8	1649.5	2017.2	2467.6	2861.2	3189.0	3544.2	3862.9	4116.4	4352.1
-45°	1296.2	1386.8	1481.3	1603.3	1729.4	2097.8	2501.9	2917.3	3289.3	3636.9	3935.2
-47.5°	1172.2	1278.2	1364.5	1441.6	1519.1	1632.2	1753.2	1921.7	2279.3	2641.8	2987.4
-50°	1044.4	1142.0	1237.3	1326.8	1399.4	1456.4	1502.1	1576.4	1684.2	1791.4	1896.7
-52.5°	924.1	1014.7	1101.0	1187.7	1272.7	1348.0	1414.8	1467.3	1510.6	1547.4	1572.4
-55°	838.1	909.4	976.5	1059.2	1140.8	1216.6	1286.9	1351.3	1410.2	1463.7	1500.6
-57.5°	748.6	818.5	888.0	957.6	1025.1	1090.3	1155.7	1219.5	1279.4	1333.9	1370.5
-60°	660.0	719.7	788.7	860.5	927.8	990.6	1051.5	1108.7	1162.1	1207.9	1237.4
-62.5°	576.3	632.7	692.4	756.9	825.0	891.5	952.4	1010.3	1065.2	1109.7	1138.3
-65°	491.7	539.2	590.2	643.5	698.8	755.3	813.4	872.6	932.2	980.0	1011.4
-67.5°	369.4	416.9	467.0	519.1	566.2	609.4	651.2	694.4	738.0	774.3	802.7
-70°	240.3	275.8	310.6	346.3	385.3	424.9	462.8	498.4	531.3	557.6	578.9
-72.5°	129.8	147.0	166.3	193.5	219.6	245.9	272.0	296.5	319.4	336.6	350.1
-75°	60.2	68.1	82.7	96.2	108.7	121.5	133.8	145.2	155.5	162.8	168.4
-77.5°	42.8	46.3	49.8	53.3	56.8	61.6	66.8	71.8	76.7	81.5	86.1
-80°	30.1	32.1	34.0	35.8	37.6	40.3	43.3	46.2	49.1	52.1	55.0
-82.5°	20.1	21.4	22.7	23.9	25.1	26.7	28.3	29.9	31.3	33.8	36.2
-85°	13.6	14.2	14.8	15.4	16.1	17.4	18.7	20.0	21.2	23.0	24.7
-87.5°	10.4	10.5	10.5	10.6	10.6	11.7	12.8	13.9	15.0	16.7	18.4
-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: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV2-S

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	28.0	28.2	28.0	27.8	27.5	26.7	25.4	23.3	20.2
45°	44.3	44.9	45.1	45.5	45.1	44.9	44.3	42.8	42.6	40.0	33.7
42.5°	71.3	72.5	72.5	71.5	72.5	72.5	71.3	68.6	67.5	68.5	68.8
40°	101.8	101.8	100.7	99.7	100.7	101.8	101.8	100.3	99.5	89.1	88.1
37.5°	177.1	170.8	159.3	153.9	159.3	170.8	177.1	172.0	160.9	151.4	144.7
35°	274.2	278.3	279.4	277.5	279.4	278.3	274.2	269.8	253.0	222.3	222.1
32.5°	458.5	480.4	487.4	500.7	487.4	480.4	458.5	447.7	409.1	377.6	365.9
30°	943.8	937.2	855.1	819.4	855.1	937.2	943.8	972.4	791.0	792.5	720.6
27.5°	2542.5	2835.2	2974.8	2963.3	2974.8	2835.2	2542.5	2241.4	1950.9	1727.2	1490.6
25°	5236.3	5706.7	6018.7	5813.9	6018.7	5706.7	5236.3	4469.5	3493.9	3025.2	2523.1
22.5°	10803.2	11828.7	12387.5	12588.1	12387.5	11828.7	10803.2	8884.8	6824.9	5183.3	3849.0
20°	21649.4	23585.7	24999.9	23819.1	24999.9	23585.7	21649.4	17017.7	12720.0	8743.5	6119.8
17.5°	40192.1	46215.5	51544.0	53209.3	51544.0	46215.5	40192.1	31062.6	23557.8	15778.6	10206.9
15°	67641.5	77813.8	83860.2	83507.8	83860.2	77813.8	67641.5	55137.5	42167.7	30070.1	18946.3
12.5°	104074.1	116627.3	125003.2	123140.6	125003.2	116627.3	104074.1	88285.0	66968.2	49977.6	33354.4
10°	147850.7	166864.8	180680.1	180043.8	180680.1	166864.8	147850.7	124747.3	101205.3	74935.2	49465.2
7.5°	193237.2	224451.6	251544.2	256103.3	251544.2	224451.6	193237.2	165218.1	133561.2	101098.4	69351.6
5°	251767.0	292908.6	319814.3	321352.2	319814.3	292908.6	251767.0	206549.8	165231.8	125913.3	87557.1
2.5°	299244.4	346440.7	369147.0	382904.1	369147.0	346440.7	299244.4	240981.6	189568.5	144554.5	100237.1
0°	321487.7	359855.6	401368.9	421037.9	401368.9	359855.6	321487.7	255726.1	201916.2	152424.6	104725.7
-2.5°	312362.2	353476.2	378384.5	399230.4	378384.5	353476.2	312362.2	252767.9	199666.4	152001.3	104613.8
-5°	291666.3	332403.6	353299.6	355249.1	353299.6	332403.6	291666.3	237986.0	189619.7	144510.8	97835.9
-7.5°	257879.6	292422.7	314361.4	321187.5	314361.4	292422.7	257879.6	218280.5	174984.5	132967.7	88930.1
-10°	221973.2	246815.2	260993.7	263712.0	260993.7	246815.2	221973.2	190211.6	154707.6	115935.3	75537.6
-12.5°	184643.0	204981.1	214764.5	216901.9	214764.5	204981.1	184643.0	158635.2	127184.3	94445.3	61731.0
-15°	143290.5	158594.6	167403.4	168936.3	167403.4	158594.6	143290.5	122287.3	97321.0	71459.1	44596.1
-17.5°	102278.1	114713.8	123637.2	124822.8	123637.2	114713.8	102278.1	85650.5	68037.1	47821.1	30573.0
-20°	62829.1	71290.5	76510.7	75745.2	76510.7	71290.5	62829.1	50094.7	40859.8	27673.2	19472.1



REPORT NUMBER: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	33826.3	38387.3	40593.4	41733.3	40593.4	38387.3	33826.3	27046.4	21429.1	16346.7	12067.3
-25°	17880.5	19812.1	20803.2	21579.8	20803.2	19812.1	17880.5	14890.8	11801.3	10306.1	8457.7
-27.5°	10639.0	11303.3	11672.2	11874.9	11672.2	11303.3	10639.0	9639.2	8383.2	7598.1	6698.7
-30°	7799.6	8117.7	8285.9	8369.6	8285.9	8117.7	7799.6	7269.5	6605.1	6092.9	5553.5
-32.5°	6132.2	6321.0	6437.2	6479.4	6437.2	6321.0	6132.2	5839.7	5475.3	5136.0	4839.1
-35°	5086.9	5150.1	5172.7	5213.4	5172.7	5150.1	5086.9	4950.8	4758.3	4547.7	4350.9
-37.5°	4521.2	4580.0	4608.7	4632.5	4608.7	4580.0	4521.2	4420.9	4289.3	4114.7	3984.6
-40°	4345.1	4407.5	4471.4	4517.6	4471.4	4407.5	4345.1	4295.6	4188.3	4002.4	3764.2
-42.5°	4455.1	4557.0	4627.1	4636.8	4627.1	4557.0	4455.1	4352.1	4116.4	3862.9	3544.2
-45°	4104.6	4220.7	4284.0	4305.1	4284.0	4220.7	4104.6	3935.2	3636.9	3289.3	2917.3
-47.5°	3293.7	3559.1	3717.6	3752.4	3717.6	3559.1	3293.7	2987.4	2641.8	2279.3	1921.7
-50°	1999.0	2093.6	2145.6	2152.6	2145.6	2093.6	1999.0	1896.7	1791.4	1684.2	1576.4
-52.5°	1592.2	1609.1	1619.6	1625.8	1619.6	1609.1	1592.2	1572.4	1547.4	1510.6	1467.3
-55°	1532.9	1561.3	1577.3	1584.6	1577.3	1561.3	1532.9	1500.6	1463.7	1410.2	1351.3
-57.5°	1403.2	1431.9	1444.7	1448.0	1444.7	1431.9	1403.2	1370.5	1333.9	1279.4	1219.5
-60°	1264.4	1288.7	1296.4	1296.3	1296.4	1288.7	1264.4	1237.4	1207.9	1162.1	1108.7
-62.5°	1165.5	1190.9	1203.2	1209.6	1203.2	1190.9	1165.5	1138.3	1109.7	1065.2	1010.3
-65°	1038.8	1062.0	1071.8	1075.2	1071.8	1062.0	1038.8	1011.4	980.0	932.2	872.6
-67.5°	828.2	850.2	856.4	856.3	856.4	850.2	828.2	802.7	774.3	738.0	694.4
-70°	597.0	611.6	614.0	611.3	614.0	611.6	597.0	578.9	557.6	531.3	498.4
-72.5°	361.0	369.4	372.7	372.9	372.7	369.4	361.0	350.1	336.6	319.4	296.5
-75°	172.7	175.8	178.3	179.9	178.3	175.8	172.7	168.4	162.8	155.5	145.2
-77.5°	90.5	94.6	96.3	97.5	96.3	94.6	90.5	86.1	81.5	76.7	71.8
-80°	57.8	60.3	60.6	60.7	60.6	60.3	57.8	55.0	52.1	49.1	46.2
-82.5°	38.6	41.0	41.2	41.2	41.2	41.0	38.6	36.2	33.8	31.3	29.9
-85°	26.4	28.1	29.2	30.3	29.2	28.1	26.4	24.7	23.0	21.2	20.0
-87.5°	20.0	21.7	21.7	21.7	21.7	21.7	20.0	18.4	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: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV2-S

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	30.1	31.6	32.0	30.3	27.1	20.0
65°	16.7	18.8	21.4	24.4	28.0	32.6	39.3	42.8	43.1	40.9	31.8
62.5°	14.0	16.7	18.3	20.4	23.3	28.2	36.0	43.0	49.8	51.7	41.5
60°	10.0	10.9	13.0	15.2	17.5	22.6	30.9	39.4	47.9	48.0	44.7
57.5°	8.9	9.4	10.8	12.0	12.9	17.2	24.5	34.0	43.3	42.0	39.7
55°	10.7	11.2	11.8	12.4	13.1	14.7	18.0	24.4	32.9	34.9	33.3
52.5°	12.8	13.4	14.0	14.6	14.8	14.6	14.6	18.5	22.3	25.7	26.9
50°	15.1	15.7	16.3	16.8	17.0	16.6	16.1	15.8	18.1	20.6	21.7
47.5°	19.9	20.7	19.4	19.2	20.6	19.5	18.8	18.9	20.1	19.3	20.4
45°	33.0	32.0	29.8	29.5	28.6	27.7	23.9	25.7	26.0	24.8	21.5
42.5°	63.5	54.0	46.9	47.4	44.6	41.6	38.1	37.3	36.0	33.0	31.0
40°	97.1	96.4	87.2	76.9	70.2	61.4	57.5	52.8	49.9	45.5	44.4
37.5°	138.1	134.6	140.6	135.4	116.0	98.5	86.4	73.9	65.7	69.9	66.4
35°	204.9	201.1	210.8	201.0	186.0	178.0	137.6	107.5	97.5	108.3	97.4
32.5°	305.2	353.5	337.8	311.8	325.2	306.2	244.2	168.6	167.5	164.9	146.1
30°	598.4	641.0	618.8	548.5	567.1	527.2	398.3	372.4	312.3	237.8	207.8
27.5°	1304.1	1063.2	1025.0	1010.3	896.0	821.2	756.8	681.9	525.9	385.8	288.6
25°	2231.7	1874.6	1619.9	1550.1	1408.9	1194.4	1157.9	1065.3	873.3	586.4	396.8
22.5°	3308.3	2815.7	2405.5	2151.5	1925.4	1663.8	1527.3	1469.1	1262.6	837.9	572.6
20°	4407.0	3752.1	3194.1	2788.6	2382.0	2069.5	1889.8	1797.8	1541.7	1143.4	756.3
17.5°	6934.3	4925.4	4089.1	3472.1	2897.8	2471.8	2299.1	2081.2	1820.2	1439.6	935.0
15°	10874.2	7599.5	5628.4	4447.4	3598.9	3127.6	2830.3	2413.7	2093.6	1701.2	1212.8
12.5°	20392.6	12162.8	7506.2	5805.6	4709.2	3941.9	3451.8	2881.3	2402.3	2060.3	1624.4
10°	30758.2	18497.3	11158.1	7775.1	6047.4	4873.3	4053.5	3355.1	2804.2	2452.4	2031.1
7.5°	43284.2	25645.6	15038.7	9668.0	7246.6	5666.7	4581.9	3758.1	3177.6	2819.5	2426.9
5°	53460.4	30820.1	17405.2	11085.6	8252.7	6411.5	5121.6	4100.0	3524.4	3163.8	2804.2
2.5°	59770.9	33600.9	18803.6	12260.8	9092.5	7036.7	5564.6	4390.8	3793.8	3387.2	3013.8
0°	61329.7	35791.5	19902.0	12297.6	9507.7	7424.5	5831.2	4645.5	4019.0	3574.6	3190.9
-2.5°	61438.5	35192.7	19667.0	12181.0	9305.3	7343.7	5839.5	4767.7	4147.5	3671.5	3256.0
-5°	56725.1	32068.5	18260.0	11762.6	9001.9	7159.6	5821.3	4879.1	4244.8	3752.7	3279.2
-7.5°	51296.3	28297.5	16459.5	11093.5	8570.8	6916.3	5793.4	4969.4	4311.2	3841.8	3310.1
-10°	41264.4	23812.1	14828.4	10519.5	8174.0	6664.3	5761.3	4997.6	4359.4	3914.5	3291.5
-12.5°	34837.8	19953.8	12845.6	9728.7	7854.3	6560.9	5733.7	4944.1	4392.3	3972.5	3220.0
-15°	26006.8	16639.6	11668.4	9141.4	7593.5	6423.8	5627.8	4787.5	4272.1	3943.4	3093.4
-17.5°	19371.5	13234.3	9992.5	8169.8	6964.8	6228.9	5411.2	4617.9	4066.7	3645.4	2772.2
-20°	13089.4	10290.5	8583.9	7181.1	6157.6	5547.2	4986.6	4321.4	3813.4	3219.5	2366.2



REPORT NUMBER: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9707.6	8214.2	7009.7	6023.3	5341.4	4827.7	4356.3	3878.8	3499.9	2778.4	1951.9
-25°	7542.3	6495.7	5709.9	5181.9	4596.1	4120.1	3781.3	3487.7	3010.6	2317.4	1579.7
-27.5°	6051.6	5323.4	4902.3	4512.6	4058.3	3627.2	3345.5	3090.0	2518.0	1863.0	1457.6
-30°	5062.9	4736.9	4380.0	4009.9	3665.5	3319.0	3030.4	2568.0	2039.6	1510.6	1347.5
-32.5°	4528.8	4280.3	3968.1	3638.8	3347.5	3096.7	2641.4	2072.7	1588.5	1396.0	1256.4
-35°	4138.7	3884.0	3585.8	3341.3	3117.5	2732.4	2235.0	1681.1	1413.1	1290.1	1171.6
-37.5°	3780.5	3507.3	3299.2	3075.9	2744.7	2306.0	1756.3	1466.4	1313.7	1202.6	1081.6
-40°	3548.2	3293.9	2966.1	2678.3	2228.2	1729.6	1509.5	1359.6	1240.1	1110.3	985.4
-42.5°	3189.0	2861.2	2467.6	2017.2	1649.5	1516.8	1389.2	1276.9	1153.0	1016.0	893.1
-45°	2501.9	2097.8	1729.4	1603.3	1481.3	1386.8	1296.2	1175.8	1046.1	923.0	802.4
-47.5°	1753.2	1632.2	1519.1	1441.6	1364.5	1278.2	1172.2	1056.7	942.1	829.7	734.9
-50°	1502.1	1456.4	1399.4	1326.8	1237.3	1142.0	1044.4	942.4	844.1	756.0	666.0
-52.5°	1414.8	1348.0	1272.7	1187.7	1101.0	1014.7	924.1	846.3	764.7	682.2	597.2
-55°	1286.9	1216.6	1140.8	1059.2	976.5	909.4	838.1	763.0	687.2	608.5	534.8
-57.5°	1155.7	1090.3	1025.1	957.6	888.0	818.5	748.6	678.6	610.5	541.0	474.1
-60°	1051.5	990.6	927.8	860.5	788.7	719.7	660.0	598.1	534.2	478.6	421.5
-62.5°	952.4	891.5	825.0	756.9	692.4	632.7	576.3	522.3	472.4	421.6	356.9
-65°	813.4	755.3	698.8	643.5	590.2	539.2	491.7	439.6	386.3	335.9	279.7
-67.5°	651.2	609.4	566.2	519.1	467.0	416.9	369.4	324.5	281.6	239.1	190.3
-70°	462.8	424.9	385.3	346.3	310.6	275.8	240.3	204.8	169.7	142.5	114.5
-72.5°	272.0	245.9	219.6	193.5	166.3	147.0	129.8	111.7	92.2	71.3	55.5
-75°	133.8	121.5	108.7	96.2	82.7	68.1	60.2	55.7	51.1	46.2	41.1
-77.5°	66.8	61.6	56.8	53.3	49.8	46.3	42.8	39.2	36.4	33.9	31.5
-80°	43.3	40.3	37.6	35.8	34.0	32.1	30.1	28.3	26.7	25.4	24.0
-82.5°	28.3	26.7	25.1	23.9	22.7	21.4	20.1	19.3	18.4	17.5	16.5
-85°	18.7	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: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV2-S

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°	23.5	17.0	12.9	12.4	12.2	12.2	11.9	11.5	11.8	12.3	12.8
62.5°	31.9	23.2	17.4	14.0	12.8	12.7	12.8	12.2	11.9	12.4	12.9
60°	39.9	29.9	22.2	17.7	14.4	12.9	13.0	12.8	12.4	12.5	12.9
57.5°	36.9	34.7	28.2	21.6	17.1	14.1	13.0	13.0	12.8	12.7	13.0
55°	31.5	30.3	31.1	26.0	19.9	16.0	13.6	13.0	13.0	12.8	13.0
52.5°	25.6	27.2	29.5	28.4	23.0	17.8	15.0	13.0	13.0	13.0	13.0
50°	21.2	24.5	28.2	28.8	25.3	20.1	16.3	14.0	13.0	13.0	13.1
47.5°	21.1	24.0	26.4	29.4	27.2	22.0	17.7	14.9	13.0	13.0	13.3
45°	24.5	25.8	26.6	28.5	29.1	23.5	19.0	15.8	13.7	13.1	13.5
42.5°	29.8	30.3	29.6	28.0	29.0	24.6	20.0	16.6	14.3	13.3	13.7
40°	41.2	37.1	34.2	33.3	30.1	25.4	20.6	17.1	14.8	13.6	13.8
37.5°	54.6	47.9	41.8	42.8	34.5	27.7	21.0	17.4	15.6	14.2	13.9
35°	79.7	62.1	59.5	57.8	46.4	31.4	20.9	17.5	16.4	14.8	14.0
32.5°	109.6	92.2	89.3	77.7	61.5	36.2	23.2	19.0	17.4	15.4	14.2
30°	165.8	149.0	127.7	101.3	80.1	50.2	28.6	21.0	18.5	16.0	14.4
27.5°	255.5	215.8	176.3	136.7	102.6	67.1	35.6	23.4	19.8	16.6	14.9
25°	351.5	298.1	240.5	180.3	127.4	91.6	42.5	26.4	21.5	17.6	15.3
22.5°	453.0	387.0	311.3	228.9	163.3	120.5	55.9	32.2	23.7	18.6	15.7
20°	556.2	478.8	390.5	287.2	207.5	151.2	77.6	37.8	26.0	19.6	16.1
17.5°	669.9	590.5	492.7	360.8	255.5	183.3	101.4	43.1	28.5	20.7	16.5
15°	887.0	726.1	604.8	440.8	302.9	216.2	126.5	48.3	31.1	21.8	16.9
12.5°	1151.7	863.0	723.9	525.1	349.3	249.6	152.3	53.1	33.8	23.6	17.4
10°	1442.9	1000.0	847.1	611.6	394.2	282.8	178.0	61.6	39.0	26.2	17.9
7.5°	1748.2	1135.6	971.3	697.5	442.4	329.6	228.3	78.9	44.6	29.0	18.3
5°	2032.0	1257.9	1094.4	804.5	517.5	389.8	282.4	96.9	50.2	31.7	18.7
2.5°	2201.6	1357.4	1210.0	908.4	590.0	447.6	334.9	114.9	55.6	34.4	19.1
0°	2339.0	1450.2	1315.8	1003.7	659.0	502.9	383.7	132.2	60.7	36.9	19.5
-2.5°	2367.2	1503.0	1352.5	1057.8	723.7	556.9	423.0	160.7	80.6	48.9	25.9
-5°	2361.5	1549.5	1381.0	1102.5	783.4	607.2	455.9	187.3	99.7	60.5	32.2
-7.5°	2354.5	1571.7	1395.8	1134.8	837.4	652.7	481.6	211.5	117.6	71.2	38.0
-10°	2303.0	1576.6	1392.1	1130.3	848.9	671.5	495.8	232.8	133.9	80.9	43.1
-12.5°	2191.1	1575.7	1382.4	1116.1	846.0	665.5	480.9	247.7	148.2	89.4	47.5
-15°	2012.8	1569.0	1367.2	1091.9	834.4	655.7	463.5	258.1	159.6	97.0	50.9
-17.5°	1751.5	1556.8	1347.4	1057.9	813.4	642.1	444.5	265.5	169.3	103.7	54.1
-20°	1628.5	1496.9	1319.2	1014.0	782.4	624.7	424.9	269.8	176.9	108.7	56.9



REPORT NUMBER: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1537.7	1398.0	1217.3	973.3	749.3	603.6	405.4	270.8	182.5	111.7	58.3
-25°	1432.4	1296.4	1108.8	898.6	721.7	572.8	395.1	268.5	185.8	112.5	58.3
-27.5°	1318.6	1188.9	1005.9	824.0	680.7	544.9	390.2	271.0	186.8	111.1	56.8
-30°	1204.2	1076.8	918.4	756.8	637.9	506.9	381.2	270.9	184.8	108.8	53.6
-32.5°	1116.2	975.1	836.5	707.6	593.2	468.3	359.9	267.7	179.8	105.1	51.3
-35°	1033.6	892.6	759.6	657.1	548.5	436.0	334.9	261.6	171.5	99.0	48.6
-37.5°	947.5	817.6	703.9	607.1	504.4	401.1	314.7	242.1	160.0	90.6	44.5
-40°	864.5	748.7	650.9	559.8	462.6	363.8	292.5	220.0	147.6	79.8	39.1
-42.5°	781.2	688.6	598.6	513.2	419.3	337.0	268.1	196.3	130.0	70.6	32.4
-45°	713.9	627.1	544.3	462.2	376.0	308.3	240.3	171.6	110.3	61.4	27.4
-47.5°	644.4	565.0	489.4	411.3	342.3	277.2	211.0	147.8	89.3	50.4	25.8
-50°	574.5	504.4	436.0	369.2	306.7	243.5	180.8	122.3	74.5	37.5	23.8
-52.5°	516.6	449.6	388.0	328.6	268.5	208.3	150.4	96.2	58.5	31.3	21.5
-55°	463.3	398.2	342.3	285.6	228.5	172.2	118.3	76.7	41.5	27.9	19.1
-57.5°	412.6	348.8	294.0	240.5	186.2	134.2	91.1	56.0	34.0	24.2	18.8
-60°	360.4	297.4	243.7	191.5	141.2	99.6	66.3	39.5	29.2	20.9	18.4
-62.5°	296.7	240.2	186.4	138.9	101.1	69.6	43.8	33.3	24.0	20.1	17.9
-65°	224.0	172.5	126.8	95.4	65.9	44.4	35.9	26.7	21.9	19.2	17.3
-67.5°	144.2	111.9	81.6	54.5	43.3	35.8	27.8	23.3	20.4	18.1	16.7
-70°	86.3	59.6	47.2	40.7	34.1	27.8	24.2	21.1	18.7	17.2	16.1
-72.5°	49.0	42.8	37.0	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: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV2-S

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: P701612 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV2-S

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°	25.8	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

