

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: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-80-1S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-57-80-1S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

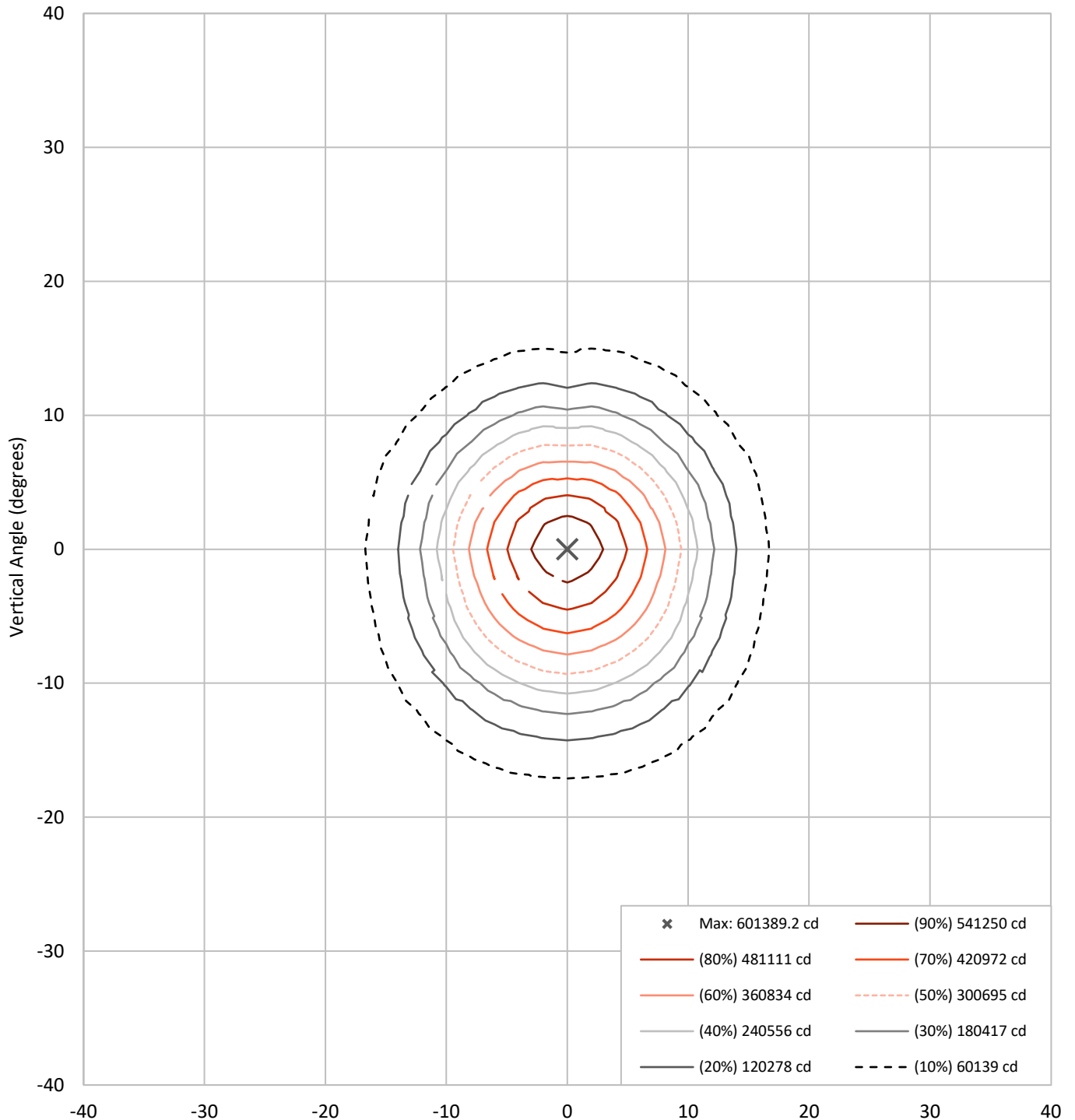
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	69335 lumens	Max Intensity:	601389.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	106.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 17.1°V	Field Angle (10%):	33.2°H x 31.5°V
Beam Lumens:	31937.3 lumens	Field Lumens:	58705.6 lumens
Beam Efficiency:	46.1%	Field Efficiency:	84.7%

Input Watts (W): 653.1
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: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV2-S

Iso-Candela Plot





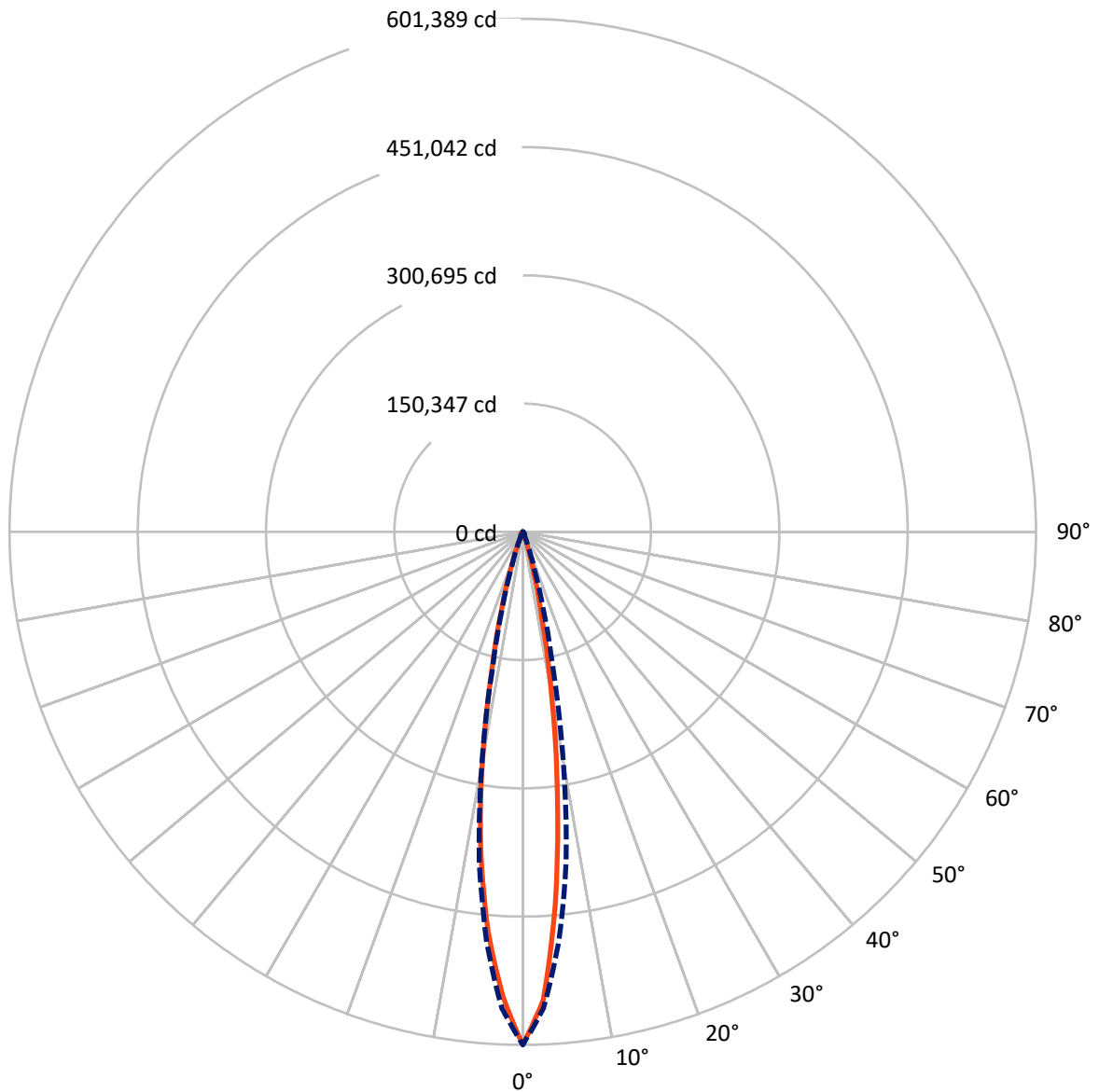
REPORT NUMBER: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV2-S

Lumen Table

90	0.2	0.4	0.5	0.5	0.6	0.5	0.5	0.4	0.2									
80	0.2	0.4	0.5	0.5	0.6	0.5	0.5	0.4	0.2									
70	0.2	0.1	0.2	0.5	0.6	0.4	0.3	0.2	0.2	0.3	0.4	0.6	0.5	0.2	0.1	0.2		
60		0.1	0.3	0.6	0.4	0.3	0.2	0.3	0.3	0.2	0.3	0.4	0.6	0.3	0.1			
50	0.2	0.2	0.4	0.4	0.6	0.8	1.0	1.2	1.2	1.0	0.8	0.6	0.4	0.4	0.2	0.2		
40		0.2	0.8	1.5	3.3	5.3	5.6	6.4	6.4	5.6	5.3	3.3	1.5	0.8	0.2			
30	0.2	0.4	2.4	8.4	22.4	27.2	36.0	67.1	67.1	36.0	27.2	22.4	8.4	2.4	0.4	0.2		
20		0.8	5.4	21.9	47.7	67.0	457.8	1841.2	1841.2	457.8	67.0	47.7	21.9	5.4	0.8			
10	0.3	1.6	9.2	42.2	72.1	167.0	2392.3	10324.2	210324.2	2392.3	167.0	72.1	42.2	9.2	1.6	0.3		
0		2.6	12.1	49.8	83.3	165.8	2595.4	11049.7	11049.7	2595.4	165.8	83.3	49.8	12.1	2.6			
-10	0.5	3.0	12.5	46.8	88.6	104.1	752.8	2850.6	2850.6	752.8	104.1	88.6	46.8	12.5	3.0	0.5		
-20		2.8	10.9	25.9	67.6	83.8	102.2	189.1	189.1	102.2	83.8	67.6	25.9	10.9	2.8			
-30	0.4	2.4	8.2	15.2	37.6	71.4	85.4	88.5	88.5	85.4	71.4	37.6	15.2	8.2	2.4	0.4		
-40		1.5	5.6	12.0	19.3	34.9	63.8	88.1	88.1	63.8	34.9	19.3	12.0	5.6	1.5			
-50	0.3	0.7	3.2	8.0	14.7	21.0	26.1	29.2	29.2	26.1	21.0	14.7	8.0	3.2	0.7	0.3		
-60		0.3	1.1	3.7	7.8	12.8	17.9	21.1	21.1	17.9	12.8	7.8	3.7	1.1	0.3			
-70																		
-80	0.2	0.9	2.8	7.0	10.3	7.0	2.8	0.9	0.2									
-90																		

REPORT NUMBER: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV2-S

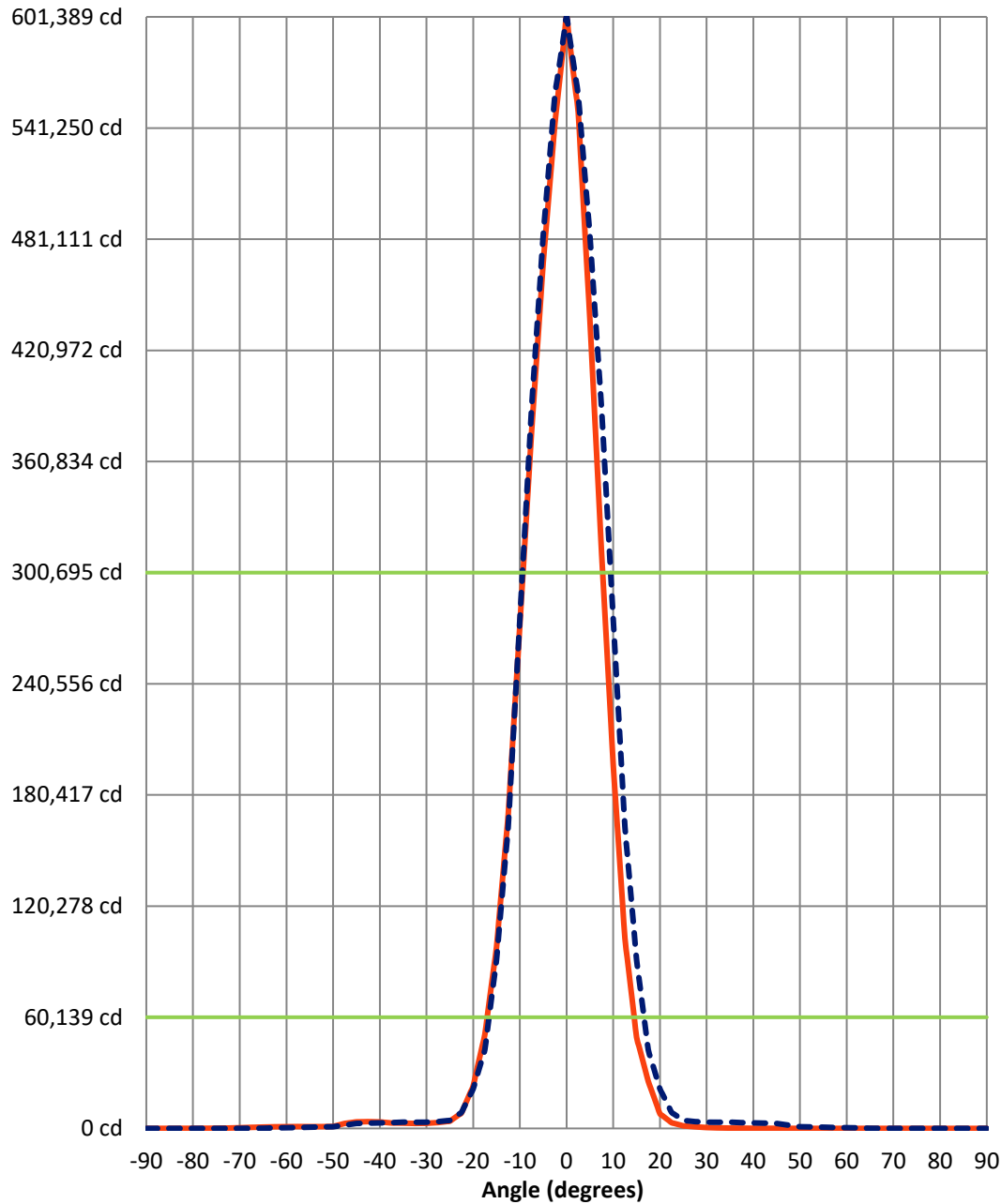
Luminous Intensity Polar Plot



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

REPORT NUMBER: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV2-S

Luminous Intensity Plot



Beam:
H Angle: 18.9°
V Angle: 17.1°
Lumens: 31937.3
Efficiency: 46.1%

Field:
H Angle: 33.2°
V Angle: 31.5°
Lumens: 58705.6
Efficiency: 84.7%

Spill:
Lumens: 10629.4
Efficiency: 15.3%

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



REPORT NUMBER: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV2-S

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.8	8.2	8.5	8.9
87.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.0	6.7	6.3	5.9
85°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.0	6.7	6.3	5.9
82.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.0	6.7	6.5	6.3
80°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.1	6.9	6.9	6.9
77.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.2	7.2	7.3	7.4
75°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.3	7.4	7.4	7.4
72.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
70°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.5
67.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.6	7.6
65°	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.4	7.7	7.9	7.7
62.5°	7.4	7.4	7.4	7.4	7.4	7.6	7.6	7.7	8.1	8.1	7.8
60°	7.4	7.4	7.4	7.4	7.4	7.7	7.7	8.1	8.5	8.2	7.9
57.5°	7.4	7.4	7.4	7.4	7.5	7.8	8.0	8.5	8.6	8.3	7.9
55°	7.4	7.4	7.4	7.4	7.7	8.0	8.3	8.9	8.7	8.3	8.0
52.5°	7.4	7.4	7.4	7.4	7.9	8.2	8.5	8.9	8.7	8.4	8.1
50°	7.4	7.4	7.4	7.4	8.0	8.3	8.7	8.9	8.8	8.5	9.1
47.5°	7.4	7.4	7.4	7.4	8.2	8.5	8.9	8.9	8.9	8.6	10.0
45°	7.4	7.4	7.4	7.6	8.4	8.6	8.9	8.9	8.9	9.2	10.7
42.5°	7.4	7.4	7.4	7.7	8.6	8.7	8.9	9.0	9.0	9.7	11.6
40°	7.4	7.4	7.4	7.8	8.7	8.8	8.9	9.1	9.3	10.1	12.5
37.5°	7.4	7.4	7.4	8.0	8.8	8.9	8.9	9.2	9.7	10.7	13.1
35°	7.4	7.4	7.4	8.1	8.8	8.9	8.9	9.4	10.1	11.8	13.6
32.5°	7.4	7.4	7.4	8.2	8.9	8.9	8.9	9.6	10.5	13.0	15.3
30°	7.4	7.4	7.4	8.3	8.9	8.9	9.1	9.8	10.8	14.5	17.3
27.5°	7.4	7.4	7.4	8.4	8.9	8.9	9.2	10.1	11.5	16.0	19.5
25°	7.4	7.4	7.4	8.5	8.9	8.9	9.4	10.4	12.7	17.8	22.1
22.5°	7.4	7.4	7.4	8.6	8.9	8.9	9.6	10.7	14.0	19.8	25.9
20°	7.4	7.4	7.4	8.6	8.9	9.0	9.8	11.0	15.3	21.9	29.6
17.5°	7.4	7.4	7.4	8.7	8.9	9.2	10.0	11.2	16.6	24.1	33.1
15°	7.4	7.4	7.4	8.7	8.9	9.3	10.3	11.6	18.0	26.3	36.5
12.5°	7.4	7.4	7.4	8.8	8.9	9.5	10.6	12.1	19.4	28.5	39.7
10°	7.4	7.4	7.4	8.8	8.9	9.6	10.9	12.7	20.7	31.2	44.4
7.5°	7.4	7.4	7.4	8.9	8.9	9.8	11.1	13.2	22.0	33.9	52.7
5°	7.4	7.4	7.4	8.9	8.9	10.0	11.4	13.8	23.2	36.6	61.4
2.5°	7.4	7.4	7.4	8.9	8.9	10.1	11.6	14.3	24.2	39.1	70.1
0°	7.4	7.4	7.4	8.9	8.9	10.3	11.8	14.8	25.1	41.4	78.3
-2.5°	7.4	7.4	7.5	8.9	9.0	10.5	12.6	17.8	31.7	53.7	99.2
-5°	7.4	7.4	7.5	8.9	9.1	10.6	13.3	20.6	38.0	65.5	118.8
-7.5°	7.4	7.4	7.6	8.9	9.3	10.7	14.0	23.3	43.8	76.3	136.8
-10°	7.4	7.4	7.7	8.8	9.4	10.8	14.6	25.6	48.9	86.0	152.5
-12.5°	7.4	7.4	7.7	8.8	9.5	10.9	15.1	27.5	53.2	94.6	164.8
-15°	7.4	7.4	7.8	8.8	9.5	11.0	15.4	28.9	58.0	103.6	174.4
-17.5°	7.4	7.4	7.8	8.8	9.6	11.1	15.7	31.1	63.3	111.1	181.7
-20°	7.4	7.4	7.9	8.8	9.6	11.1	16.2	33.6	67.4	116.9	186.4



REPORT NUMBER: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.4	7.4	7.9	8.8	9.6	11.2	17.2	35.2	70.0	120.9	188.6
-25°	7.4	7.4	7.9	8.7	9.6	11.5	17.7	35.7	71.0	123.0	188.0
-27.5°	7.4	7.4	7.9	8.7	9.6	11.8	17.9	35.2	70.4	123.6	189.6
-30°	7.4	7.4	7.9	8.8	9.6	12.0	17.5	33.5	69.4	122.7	188.9
-32.5°	7.4	7.4	8.0	8.8	9.6	12.2	16.6	32.7	67.5	119.5	185.6
-35°	7.4	7.4	7.9	8.8	9.7	12.2	16.4	31.7	63.8	113.9	179.5
-37.5°	7.4	7.4	7.9	8.8	9.7	12.2	16.4	29.9	58.5	105.9	163.7
-40°	7.4	7.4	7.9	8.9	9.7	12.2	16.3	27.3	51.4	97.6	146.6
-42.5°	7.4	7.4	7.9	8.9	9.7	12.1	16.0	23.9	46.1	84.9	128.2
-45°	7.4	7.4	7.8	9.0	9.7	12.0	15.6	21.3	41.2	70.7	109.3
-47.5°	7.4	7.4	7.8	9.0	9.7	11.8	15.0	20.6	35.3	56.0	92.6
-50°	7.4	7.4	7.7	8.9	9.7	11.5	14.6	19.7	27.7	47.4	75.0
-52.5°	7.4	7.4	7.7	8.8	9.7	11.2	14.2	18.5	24.2	38.4	57.5
-55°	7.4	7.4	7.6	8.6	9.6	11.0	13.6	17.2	22.3	29.0	46.9
-57.5°	7.4	7.4	7.5	8.5	9.5	10.8	13.0	16.4	20.4	25.1	35.8
-60°	7.4	7.4	7.4	8.4	9.4	10.6	12.4	15.4	18.6	22.9	27.3
-62.5°	7.4	7.4	7.4	8.2	9.2	10.3	11.9	14.4	17.4	20.6	24.7
-65°	7.4	7.4	7.4	8.1	9.0	10.0	11.4	13.5	16.2	19.0	22.1
-67.5°	7.4	7.4	7.4	7.9	8.8	9.7	10.9	12.7	14.9	17.6	20.2
-70°	7.4	7.4	7.4	7.7	8.6	9.4	10.3	11.9	13.9	16.1	18.6
-72.5°	7.4	7.4	7.4	7.7	8.4	9.1	9.9	11.1	12.8	14.8	16.9
-75°	7.4	7.4	7.4	7.7	8.1	8.9	9.6	10.5	11.7	13.4	15.3
-77.5°	7.4	7.4	7.4	7.6	8.0	8.6	9.2	10.1	11.0	12.2	13.6
-80°	7.4	7.4	7.4	7.6	7.9	8.3	8.9	9.6	10.3	11.2	12.3
-82.5°	7.4	7.4	7.4	7.5	7.8	8.1	8.5	9.1	9.6	10.3	11.1
-85°	7.4	7.4	7.4	7.5	7.7	7.9	8.2	8.7	9.1	9.6	10.1
-87.5°	7.4	7.4	7.4	7.4	7.5	7.6	7.8	8.2	8.6	9.1	9.5
-90°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.0	6.7	6.3	5.9



REPORT NUMBER: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
87.5°	5.9	5.9	5.9	5.9	5.5	5.2	4.8	4.4	4.4	4.4	4.4
85°	5.9	5.9	5.9	5.9	5.5	5.2	4.8	4.4	4.4	4.4	4.4
82.5°	6.3	6.3	6.1	5.9	5.6	5.2	4.8	4.6	4.6	4.6	4.6
80°	6.9	6.7	6.3	6.0	5.7	5.6	5.6	5.6	5.5	5.2	4.8
77.5°	7.1	6.7	6.4	6.0	5.9	6.1	6.1	6.0	5.6	5.3	4.9
75°	7.1	6.8	6.6	6.6	6.7	6.6	6.4	6.0	5.8	5.6	5.6
72.5°	7.2	7.1	7.1	7.4	7.2	6.8	6.5	6.1	6.4	7.2	7.7
70°	7.3	7.4	7.4	7.4	7.3	7.0	7.4	8.3	9.5	11.1	13.7
67.5°	7.4	7.4	7.4	7.4	7.4	7.8	8.9	14.4	20.8	23.6	24.8
65°	7.4	7.4	7.4	7.4	7.4	11.5	17.5	25.1	32.9	34.4	33.5
62.5°	7.4	7.4	7.4	8.5	11.9	17.5	24.5	32.6	41.8	42.1	36.8
60°	7.5	7.4	8.8	12.2	16.3	21.6	29.7	36.2	43.1	46.2	35.3
57.5°	7.6	8.5	11.6	15.5	19.8	24.0	28.7	35.1	38.4	38.9	28.7
55°	8.2	10.4	14.1	18.5	21.9	21.7	25.3	28.1	29.3	27.7	19.8
52.5°	9.7	12.3	16.5	20.7	22.1	20.4	19.8	21.6	20.8	17.8	14.5
50°	11.0	14.4	18.8	22.3	22.0	18.8	16.0	16.8	16.1	14.0	11.8
47.5°	12.5	16.3	21.5	23.8	21.1	18.9	16.3	15.5	14.7	15.0	13.3
45°	13.9	18.2	24.0	23.4	21.7	20.8	18.8	16.2	18.8	19.2	18.7
42.5°	15.1	19.8	23.9	23.4	24.6	24.1	22.4	23.5	24.9	26.1	26.7
40°	16.1	21.1	24.2	27.7	28.3	28.2	30.6	32.7	32.9	35.1	36.7
37.5°	16.9	22.2	27.2	35.4	32.7	35.4	40.2	44.4	46.8	45.0	50.3
35°	17.3	24.2	36.9	45.5	43.1	45.3	52.8	61.2	69.4	64.6	73.8
32.5°	18.7	26.9	49.2	56.9	65.3	65.7	67.0	90.2	107.9	115.8	120.2
30°	22.0	38.2	62.9	70.2	96.4	101.9	101.0	129.6	162.3	240.1	299.6
27.5°	26.6	51.9	75.6	97.6	134.8	144.5	158.2	191.2	291.4	439.2	606.6
25°	31.0	69.9	89.5	134.7	176.2	195.9	219.6	269.5	471.9	803.3	924.6
22.5°	40.6	89.9	111.9	177.0	221.9	248.9	291.9	413.6	693.3	1202.5	1235.1
20°	56.0	108.5	144.7	217.0	271.8	301.5	364.0	563.1	939.3	1310.3	1454.7
17.5°	72.2	129.2	180.5	257.4	325.8	368.0	444.9	705.2	1130.9	1449.9	1620.0
15°	88.9	151.4	213.6	302.0	384.8	451.3	604.8	897.3	1263.9	1614.7	1859.5
12.5°	105.7	174.6	244.0	349.6	448.1	534.6	798.3	1214.8	1554.2	1836.4	2159.6
10°	122.0	198.3	271.7	398.7	514.1	617.0	1011.1	1556.7	1891.2	2140.2	2423.4
7.5°	161.8	234.8	302.5	447.9	581.1	697.6	1233.5	1910.9	2197.5	2400.3	2613.6
5°	206.5	283.4	361.9	521.1	654.1	774.6	1449.8	2262.8	2478.7	2625.8	2758.5
2.5°	250.8	330.3	419.8	594.0	726.9	845.5	1632.4	2492.0	2676.9	2816.9	2922.7
0°	292.5	375.3	475.7	661.9	794.9	911.6	1789.2	2686.0	2852.9	2993.3	3120.3
-2.5°	315.8	411.7	517.6	687.8	802.7	915.7	1667.0	2619.8	2869.0	3056.2	3245.9
-5°	334.0	445.1	556.4	709.6	808.1	916.0	1524.0	2505.7	2888.1	3120.9	3352.7
-7.5°	347.0	475.0	591.8	727.4	814.7	919.7	1516.3	2546.1	3003.4	3214.4	3441.7
-10°	352.7	486.2	599.0	731.1	822.6	923.7	1497.4	2527.4	3114.5	3311.6	3515.7
-12.5°	341.7	480.8	597.0	729.9	829.1	923.3	1420.7	2442.8	3225.4	3418.2	3552.1
-15°	329.0	472.9	589.8	723.7	834.7	918.6	1278.5	2288.4	3245.5	3369.2	3501.1
-17.5°	315.3	462.8	577.2	712.4	839.5	909.4	1053.6	1898.6	2910.9	3207.8	3417.6
-20°	301.6	450.5	558.7	695.9	840.1	878.9	952.4	1523.8	2376.8	2975.6	3252.1



REPORT NUMBER: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	288.4	436.1	537.7	673.4	784.5	833.1	886.8	1176.2	1819.5	2676.9	2959.8
-25°	282.3	414.1	518.4	626.5	727.6	785.1	816.0	895.2	1361.3	2113.0	2635.5
-27.5°	280.2	395.1	489.5	581.3	678.5	733.1	757.2	815.7	1068.4	1569.4	2275.3
-30°	274.5	366.1	459.1	540.3	629.7	682.6	702.3	753.8	840.2	1203.3	1715.2
-32.5°	258.0	336.1	425.5	505.3	582.9	643.9	670.3	717.1	779.3	890.1	1257.5
-35°	237.5	310.5	390.6	469.0	540.3	606.9	653.2	687.0	729.4	785.4	965.6
-37.5°	219.3	283.7	355.3	431.2	499.9	568.2	634.0	664.9	698.1	740.8	816.3
-40°	199.4	255.8	323.5	392.6	459.9	526.5	590.4	646.0	672.4	716.5	768.4
-42.5°	178.0	232.0	292.0	354.1	418.3	481.3	544.4	603.6	660.6	695.4	736.9
-45°	156.4	206.6	260.2	318.3	375.7	434.7	493.7	554.7	625.0	686.0	716.3
-47.5°	133.5	180.0	230.4	281.9	334.8	388.1	441.9	507.5	577.9	643.8	707.7
-50°	110.6	153.4	199.8	248.1	295.4	343.2	392.1	460.6	528.6	592.9	654.0
-52.5°	90.1	125.5	169.4	215.2	258.5	301.0	351.3	413.8	478.6	542.2	600.2
-55°	68.8	100.9	137.5	180.6	223.8	262.5	311.1	368.1	426.7	487.8	544.8
-57.5°	53.0	76.6	108.0	143.5	184.8	227.6	274.6	322.1	375.5	430.9	481.4
-60°	40.2	56.5	79.8	109.7	142.1	184.5	235.5	282.5	327.4	371.5	418.8
-62.5°	28.9	41.8	57.3	77.2	105.1	138.1	181.1	229.5	281.6	319.9	357.1
-65°	26.0	29.8	40.4	54.7	69.4	96.5	129.0	165.3	209.1	248.0	287.8
-67.5°	23.0	26.6	30.1	35.6	48.7	63.2	78.4	107.3	139.1	166.1	194.3
-70°	20.9	23.4	26.5	29.8	33.1	39.6	52.4	65.8	78.9	94.0	116.7
-72.5°	18.9	20.9	23.2	25.9	28.8	32.1	35.7	39.5	47.2	57.0	66.3
-75°	16.8	18.2	20.0	22.0	24.3	26.9	29.7	32.8	35.5	37.9	40.3
-77.5°	14.7	15.8	16.9	18.2	19.7	21.6	23.6	25.9	27.9	29.8	31.6
-80°	12.8	13.3	14.1	15.0	16.1	17.3	18.5	19.6	20.7	22.0	23.5
-82.5°	11.2	11.5	11.7	12.1	12.9	13.7	14.5	15.5	16.1	16.8	17.4
-85°	9.9	9.6	9.6	9.6	10.2	10.9	11.5	12.1	12.4	12.7	12.9
-87.5°	9.4	9.3	9.1	8.9	9.1	9.3	9.6	9.9	9.9	10.0	10.0
-90°	5.9	5.9	5.9	5.9	5.5	5.2	4.8	4.4	4.4	4.4	4.4



REPORT NUMBER: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.9	9.3	9.6	9.9	10.3	11.0	11.8	12.5	13.3	18.8	24.4
87.5°	4.4	4.1	3.7	3.4	3.0	2.6	2.3	1.9	1.5	1.5	1.5
85°	4.4	4.1	3.7	3.4	3.0	2.6	2.3	1.9	1.5	1.5	1.5
82.5°	4.4	4.1	3.7	3.4	3.0	2.7	2.3	1.9	1.5	1.5	1.5
80°	4.5	4.1	3.8	3.4	3.0	2.9	2.8	2.8	2.8	2.5	2.2
77.5°	4.6	4.4	4.3	4.0	3.8	3.7	3.5	3.3	3.0	2.7	2.3
75°	5.8	5.8	5.6	5.2	4.6	4.1	3.8	3.4	3.1	3.0	2.9
72.5°	8.1	8.0	7.5	7.3	6.5	6.1	6.0	5.7	5.4	5.4	5.6
70°	15.1	15.4	14.8	13.3	11.4	10.0	9.4	8.5	7.4	7.3	7.8
67.5°	23.8	21.9	20.2	18.2	15.5	13.3	12.1	11.0	9.9	9.7	10.0
65°	30.1	23.8	20.4	17.9	16.1	14.3	12.9	11.4	10.1	9.3	9.1
62.5°	30.1	21.6	17.4	15.4	14.0	12.9	11.0	9.3	7.8	6.8	6.9
60°	25.9	17.7	13.1	11.4	10.0	8.9	8.0	7.1	6.4	5.9	6.0
57.5°	19.7	12.8	8.9	8.7	8.3	7.7	7.3	7.0	6.5	5.9	6.3
55°	13.7	10.6	9.0	9.1	9.2	9.1	8.6	7.9	7.3	6.9	7.1
52.5°	10.9	10.6	11.1	11.3	10.5	9.6	8.8	8.8	8.9	9.1	9.5
50°	11.6	12.1	12.3	11.6	11.1	10.7	10.2	10.7	11.4	11.9	12.4
47.5°	13.5	14.1	14.5	13.1	13.2	14.1	13.5	13.8	16.6	18.7	20.2
45°	17.8	19.9	20.2	20.5	20.3	22.3	23.5	24.5	30.1	32.3	32.2
42.5°	27.3	30.5	32.6	34.8	33.1	39.1	47.7	53.5	52.0	50.0	50.6
40°	41.1	47.2	55.7	60.3	65.4	72.1	74.6	64.6	63.1	71.1	71.9
37.5°	62.5	78.9	97.0	110.8	113.2	110.2	106.7	105.1	107.4	112.7	120.7
35°	102.9	141.3	158.0	166.6	172.0	155.8	149.7	155.6	150.6	165.4	170.5
32.5°	182.4	231.7	246.2	252.7	266.1	249.8	213.5	256.4	240.1	237.8	254.2
30°	289.2	358.1	417.4	421.8	412.2	409.7	430.4	436.0	416.7	416.6	481.5
27.5°	553.9	569.6	674.5	721.9	603.3	612.3	668.9	638.7	709.0	776.8	830.3
25°	877.1	890.2	1073.4	1045.4	919.8	955.6	988.7	982.1	1063.5	1145.1	1237.8
22.5°	1174.3	1227.5	1378.0	1339.1	1283.1	1298.5	1329.0	1389.2	1498.7	1664.4	2096.3
20°	1411.3	1445.8	1518.9	1552.2	1555.4	1585.8	1682.8	1848.9	2189.9	3308.4	4658.6
17.5°	1639.7	1586.2	1674.2	1731.7	1794.0	1905.2	2130.7	2811.2	4455.5	7845.5	11167.6
15°	1971.6	1938.6	1886.8	1965.6	2138.4	2365.7	2892.5	5380.7	10966.7	17323.2	23931.9
12.5°	2333.1	2289.5	2218.1	2284.6	2547.0	2951.9	5427.8	11733.5	20662.7	32058.5	54256.3
10°	2621.3	2601.7	2557.2	2698.3	3040.7	4260.9	8646.4	18568.3	31845.6	58280.7	90595.2
7.5°	2797.7	2788.6	2826.6	3057.6	3524.1	6222.7	14134.7	27950.1	51281.4	87980.6	142227.1
5°	2990.3	2976.5	3037.7	3317.7	3869.6	7480.4	18421.6	36378.0	71123.9	121898.4	200676.3
2.5°	3197.1	3165.3	3228.3	3547.5	4140.2	7759.4	19384.0	38902.2	82902.8	148044.0	253590.6
0°	3405.5	3340.5	3374.4	3693.6	4342.2	8674.0	21378.4	42541.0	91229.6	163170.6	275426.2
-2.5°	3422.5	3312.2	3346.0	3641.0	4262.1	7468.3	18561.0	39188.1	86706.8	151821.2	252226.8
-5°	3451.3	3307.6	3298.0	3556.6	4147.9	6813.6	15747.0	35840.4	76606.3	133600.9	220607.2
-7.5°	3504.8	3334.9	3253.2	3444.4	3966.8	5923.1	12847.2	29836.0	61974.2	108965.9	172015.4
-10°	3592.6	3410.1	3276.4	3360.3	3738.2	4830.7	8500.4	21685.5	46911.6	82154.4	124891.0
-12.5°	3700.9	3616.6	3416.0	3299.8	3507.4	4099.3	6681.5	16202.0	32959.5	51975.6	83152.1
-15°	3751.2	3783.1	3638.1	3407.1	3420.8	3786.9	4672.9	8871.1	20689.3	34506.0	49885.6
-17.5°	3682.9	3833.6	3666.1	3401.0	3293.6	3510.6	3925.1	5464.2	9560.6	18435.1	27455.2
-20°	3483.4	3532.7	3498.5	3339.3	3226.6	3238.5	3443.6	3842.8	4641.9	7547.0	10739.7



REPORT NUMBER: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3113.8	3145.6	3136.6	3254.3	3128.0	3071.1	3115.8	3270.7	3518.7	3895.6	4952.1
-25°	2798.9	2785.5	2858.3	3055.2	3086.3	2949.0	2913.1	2924.5	3065.5	3232.6	3464.2
-27.5°	2498.4	2589.4	2749.4	2949.3	3036.1	2943.7	2827.6	2751.8	2819.6	2872.3	2976.3
-30°	2247.0	2482.0	2649.8	2831.8	2962.5	2947.9	2834.8	2797.6	2765.5	2728.2	2754.6
-32.5°	1846.7	2352.3	2525.5	2674.2	2832.6	2896.7	2895.8	2880.1	2894.6	2864.2	2796.4
-35°	1435.2	1980.2	2429.7	2512.5	2614.8	2765.9	2881.9	2900.3	2917.7	2916.9	2900.6
-37.5°	1029.6	1536.1	1991.8	2326.8	2447.0	2557.8	2774.0	2889.5	2927.1	2986.8	3008.8
-40°	844.4	996.2	1451.7	1861.5	2137.8	2473.5	2698.1	2907.0	3121.9	3247.6	3318.6
-42.5°	788.8	852.0	918.7	1233.9	1627.9	1996.4	2348.5	2746.3	3051.6	3288.7	3525.1
-45°	748.8	789.4	833.7	895.7	957.7	1269.8	1628.5	1988.5	2326.4	2666.9	2993.7
-47.5°	732.9	747.8	778.7	814.1	855.4	910.0	961.8	1041.9	1320.8	1596.9	1893.1
-50°	707.5	744.7	758.0	770.9	804.3	836.2	861.0	894.9	928.6	949.7	977.7
-52.5°	653.8	701.7	742.8	780.4	802.0	820.6	837.0	864.7	890.8	913.4	929.1
-55°	598.3	647.8	695.1	741.3	784.6	826.1	862.1	882.1	902.2	922.4	930.8
-57.5°	533.0	585.2	636.3	684.5	731.6	777.7	818.7	855.5	890.9	923.6	944.1
-60°	464.7	509.3	560.9	614.3	663.6	708.9	754.2	796.9	836.3	869.9	891.0
-62.5°	398.2	440.6	483.1	531.3	584.7	636.2	677.0	718.5	760.1	796.7	823.2
-65°	326.0	361.5	395.6	431.9	470.1	511.5	554.6	597.0	638.4	673.2	699.2
-67.5°	227.6	261.7	293.1	324.2	352.9	382.0	412.9	444.4	475.7	503.2	526.6
-70°	138.8	159.4	177.7	197.5	221.3	245.6	270.0	292.5	312.9	329.9	343.5
-72.5°	75.1	83.0	91.9	106.6	120.1	134.6	149.5	163.4	176.0	187.7	198.2
-75°	42.8	46.4	52.7	58.4	63.4	69.6	76.3	82.8	88.9	94.9	100.4
-77.5°	33.4	35.2	37.0	38.6	40.1	42.4	44.9	47.5	50.2	54.5	59.3
-80°	24.9	26.1	27.3	28.4	29.5	31.0	32.5	33.9	35.2	37.2	39.1
-82.5°	18.2	18.7	19.2	19.7	20.1	21.1	22.1	23.2	24.2	26.2	28.3
-85°	13.2	13.4	13.6	13.8	14.0	14.5	15.0	15.5	16.0	17.9	19.8
-87.5°	10.0	10.1	10.2	10.3	10.3	10.7	11.1	11.5	11.8	13.8	15.6
-90°	4.4	4.1	3.7	3.4	3.0	2.6	2.3	1.9	1.5	1.1	0.8



REPORT NUMBER: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	29.9	35.5	40.6	45.8	40.6	35.5	29.9	24.4	18.8	13.3	12.5
87.5°	1.5	1.5	0.7	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.9
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
80°	1.9	1.5	1.5	1.5	1.5	1.5	1.9	2.2	2.5	2.8	2.8
77.5°	1.9	1.5	1.5	1.5	1.5	1.5	1.9	2.3	2.7	3.0	3.3
75°	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.9	3.0	3.1	3.4
72.5°	5.7	5.8	5.9	5.9	5.9	5.8	5.7	5.6	5.4	5.4	5.7
70°	8.3	8.8	9.5	10.3	9.5	8.8	8.3	7.8	7.3	7.4	8.5
67.5°	10.1	10.2	9.0	7.4	9.0	10.2	10.1	10.0	9.7	9.9	11.0
65°	9.0	9.0	8.2	7.4	8.2	9.0	9.0	9.1	9.3	10.1	11.4
62.5°	7.1	7.4	7.4	7.4	7.4	7.4	7.1	6.9	6.8	7.8	9.3
60°	6.0	6.0	5.9	5.9	5.9	6.0	6.0	6.0	5.9	6.4	7.1
57.5°	6.7	7.2	7.4	7.4	7.4	7.2	6.7	6.3	5.9	6.5	7.0
55°	7.3	7.4	8.0	8.9	8.0	7.4	7.3	7.1	6.9	7.3	7.9
52.5°	9.9	10.1	10.3	10.3	10.3	10.1	9.9	9.5	9.1	8.9	8.8
50°	12.8	13.1	13.2	13.3	13.2	13.1	12.8	12.4	11.9	11.4	10.7
47.5°	21.2	21.7	22.5	23.6	22.5	21.7	21.2	20.2	18.7	16.6	13.8
45°	33.7	34.6	36.1	38.4	36.1	34.6	33.7	32.2	32.3	30.1	24.5
42.5°	53.3	54.8	56.4	59.1	56.4	54.8	53.3	50.6	50.0	52.0	53.5
40°	73.6	74.5	75.5	78.3	75.5	74.5	73.6	71.9	71.1	63.1	64.6
37.5°	124.4	119.1	113.6	125.6	113.6	119.1	124.4	120.7	112.7	107.4	105.1
35°	169.6	172.7	177.7	186.2	177.7	172.7	169.6	170.5	165.4	150.6	155.6
32.5°	257.2	271.2	277.6	286.6	277.6	271.2	257.2	254.2	237.8	240.1	256.4
30°	511.9	511.0	469.8	477.2	469.8	511.0	511.9	481.5	416.6	416.7	436.0
27.5°	847.4	857.7	853.2	874.6	853.2	857.7	847.4	830.3	776.8	709.0	638.7
25°	1319.2	1363.3	1354.7	1397.6	1354.7	1363.3	1319.2	1237.8	1145.1	1063.5	982.1
22.5°	2627.1	2830.4	2827.3	3098.2	2827.3	2830.4	2627.1	2096.3	1664.4	1498.7	1389.2
20°	7016.7	8404.9	7832.9	7938.2	7832.9	8404.9	7016.7	4658.6	3308.4	2189.9	1848.9
17.5°	16181.0	20884.5	22927.2	25479.7	22927.2	20884.5	16181.0	11167.6	7845.5	4455.5	2811.2
15°	36938.1	49469.7	55738.1	49340.1	55738.1	49469.7	36938.1	23931.9	17323.2	10966.7	5380.7
12.5°	77337.5	99340.4	114549.7	102877.6	114549.7	99340.4	77337.5	54256.3	32058.5	20662.7	11733.5
10°	133607.3	174136.2	207631.4	196592.2	207631.4	174136.2	133607.3	90595.2	58280.7	31845.6	18568.3
7.5°	205398.9	270872.1	311736.7	311434.0	311736.7	270872.1	205398.9	142227.1	87980.6	51281.4	27950.1
5°	295506.5	379274.8	431308.1	437582.5	431308.1	379274.8	295506.5	200676.3	121898.4	71123.9	36378.0
2.5°	362224.8	453046.2	524094.6	549720.6	524094.6	453046.2	362224.8	253590.6	148044.0	82902.8	38902.2
0°	389464.9	483096.1	559043.2	601389.2	559043.2	483096.1	389464.9	275426.2	163170.6	91229.6	42541.0
-2.5°	368061.2	454539.3	517179.3	543415.0	517179.3	454539.3	368061.2	252226.8	151821.2	86706.8	39188.1
-5°	321367.0	402809.7	451130.7	468290.8	451130.7	402809.7	321367.0	220607.2	133600.9	76606.3	35840.4
-7.5°	251487.5	319662.7	361376.0	376442.2	361376.0	319662.7	251487.5	172015.4	108965.9	61974.2	29836.0
-10°	174155.9	224831.9	261047.1	272280.7	261047.1	224831.9	174155.9	124891.0	82154.4	46911.6	21685.5
-12.5°	112218.0	142284.5	162348.5	169656.5	162348.5	142284.5	112218.0	83152.1	51975.6	32959.5	16202.0
-15°	68268.3	85009.4	94726.4	98000.6	94726.4	85009.4	68268.3	49885.6	34506.0	20689.3	8871.1
-17.5°	37615.6	45695.1	48665.5	50755.5	48665.5	45695.1	37615.6	27455.2	18435.1	9560.6	5464.2
-20°	16851.8	20359.4	22080.6	22963.6	22080.6	20359.4	16851.8	10739.7	7547.0	4641.9	3842.8



REPORT NUMBER: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6497.6	7521.9	7983.2	8362.2	7983.2	7521.9	6497.6	4952.1	3895.6	3518.7	3270.7
-25°	3665.7	3807.8	3872.6	3915.2	3872.6	3807.8	3665.7	3464.2	3232.6	3065.5	2924.5
-27.5°	3050.5	3132.6	3188.9	3179.4	3188.9	3132.6	3050.5	2976.3	2872.3	2819.6	2751.8
-30°	2756.6	2781.8	2803.1	2786.4	2803.1	2781.8	2756.6	2754.6	2728.2	2765.5	2797.6
-32.5°	2748.5	2722.6	2707.7	2703.7	2707.7	2722.6	2748.5	2796.4	2864.2	2894.6	2880.1
-35°	2882.1	2870.3	2862.9	2867.7	2862.9	2870.3	2882.1	2900.6	2916.9	2917.7	2900.3
-37.5°	3011.5	2994.3	2968.1	2947.5	2968.1	2994.3	3011.5	3008.8	2986.8	2927.1	2889.5
-40°	3332.4	3394.5	3473.1	3516.3	3473.1	3394.5	3332.4	3318.6	3247.6	3121.9	2907.0
-42.5°	3595.2	3640.6	3661.0	3659.6	3661.0	3640.6	3595.2	3525.1	3288.7	3051.6	2746.3
-45°	3241.6	3422.9	3520.8	3539.9	3520.8	3422.9	3241.6	2993.7	2666.9	2326.4	1988.5
-47.5°	2212.3	2506.7	2679.5	2702.2	2679.5	2506.7	2212.3	1893.1	1596.9	1320.8	1041.9
-50°	1016.0	1055.5	1069.9	1059.3	1069.9	1055.5	1016.0	977.7	949.7	928.6	894.9
-52.5°	944.0	959.2	967.1	969.2	967.1	959.2	944.0	929.1	913.4	890.8	864.7
-55°	938.6	947.0	952.6	957.4	952.6	947.0	938.6	930.8	922.4	902.2	882.1
-57.5°	963.3	981.0	989.4	992.8	989.4	981.0	963.3	944.1	923.6	890.9	855.5
-60°	910.1	927.4	933.7	935.2	933.7	927.4	910.1	891.0	869.9	836.3	796.9
-62.5°	848.1	871.0	879.6	882.0	879.6	871.0	848.1	823.2	796.7	760.1	718.5
-65°	722.0	741.4	742.7	737.2	742.7	741.4	722.0	699.2	673.2	638.4	597.0
-67.5°	547.6	565.8	566.8	561.4	566.8	565.8	547.6	526.6	503.2	475.7	444.4
-70°	354.5	362.9	364.6	363.4	364.6	362.9	354.5	343.5	329.9	312.9	292.5
-72.5°	207.5	215.3	213.8	209.8	213.8	215.3	207.5	198.2	187.7	176.0	163.4
-75°	105.3	109.6	111.3	112.3	111.3	109.6	105.3	100.4	94.9	88.9	82.8
-77.5°	64.0	68.7	70.0	70.9	70.0	68.7	64.0	59.3	54.5	50.2	47.5
-80°	40.9	42.6	42.8	42.8	42.8	42.6	40.9	39.1	37.2	35.2	33.9
-82.5°	30.4	32.4	33.2	34.0	33.2	32.4	30.4	28.3	26.2	24.2	23.2
-85°	21.7	23.6	24.3	25.1	24.3	23.6	21.7	19.8	17.9	16.0	15.5
-87.5°	17.5	19.3	20.0	20.7	20.0	19.3	17.5	15.6	13.8	11.8	11.5
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.1	1.5	1.9



REPORT NUMBER: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	11.8	11.0	10.3	9.9	9.6	9.3	8.9	8.9	8.9	8.9	8.9
87.5°	2.3	2.6	3.0	3.4	3.7	4.1	4.4	4.4	4.4	4.4	4.4
85°	2.3	2.6	3.0	3.4	3.7	4.1	4.4	4.4	4.4	4.4	4.4
82.5°	2.3	2.7	3.0	3.4	3.7	4.1	4.4	4.6	4.6	4.6	4.6
80°	2.8	2.9	3.0	3.4	3.8	4.1	4.5	4.8	5.2	5.5	5.6
77.5°	3.5	3.7	3.8	4.0	4.3	4.4	4.6	4.9	5.3	5.6	6.0
75°	3.8	4.1	4.6	5.2	5.6	5.8	5.8	5.6	5.6	5.8	6.0
72.5°	6.0	6.1	6.5	7.3	7.5	8.0	8.1	7.7	7.2	6.4	6.1
70°	9.4	10.0	11.4	13.3	14.8	15.4	15.1	13.7	11.1	9.5	8.3
67.5°	12.1	13.3	15.5	18.2	20.2	21.9	23.8	24.8	23.6	20.8	14.4
65°	12.9	14.3	16.1	17.9	20.4	23.8	30.1	33.5	34.4	32.9	25.1
62.5°	11.0	12.9	14.0	15.4	17.4	21.6	30.1	36.8	42.1	41.8	32.6
60°	8.0	8.9	10.0	11.4	13.1	17.7	25.9	35.3	46.2	43.1	36.2
57.5°	7.3	7.7	8.3	8.7	8.9	12.8	19.7	28.7	38.9	38.4	35.1
55°	8.6	9.1	9.2	9.1	9.0	10.6	13.7	19.8	27.7	29.3	28.1
52.5°	8.8	9.6	10.5	11.3	11.1	10.6	10.9	14.5	17.8	20.8	21.6
50°	10.2	10.7	11.1	11.6	12.3	12.1	11.6	11.8	14.0	16.1	16.8
47.5°	13.5	14.1	13.2	13.1	14.5	14.1	13.5	13.3	15.0	14.7	15.5
45°	23.5	22.3	20.3	20.5	20.2	19.9	17.8	18.7	19.2	18.8	16.2
42.5°	47.7	39.1	33.1	34.8	32.6	30.5	27.3	26.7	26.1	24.9	23.5
40°	74.6	72.1	65.4	60.3	55.7	47.2	41.1	36.7	35.1	32.9	32.7
37.5°	106.7	110.2	113.2	110.8	97.0	78.9	62.5	50.3	45.0	46.8	44.4
35°	149.7	155.8	172.0	166.6	158.0	141.3	102.9	73.8	64.6	69.4	61.2
32.5°	213.5	249.8	266.1	252.7	246.2	231.7	182.4	120.2	115.8	107.9	90.2
30°	430.4	409.7	412.2	421.8	417.4	358.1	289.2	299.6	240.1	162.3	129.6
27.5°	668.9	612.3	603.3	721.9	674.5	569.6	553.9	606.6	439.2	291.4	191.2
25°	988.7	955.6	919.8	1045.4	1073.4	890.2	877.1	924.6	803.3	471.9	269.5
22.5°	1329.0	1298.5	1283.1	1339.1	1378.0	1227.5	1174.3	1235.1	1202.5	693.3	413.6
20°	1682.8	1585.8	1555.4	1552.2	1518.9	1445.8	1411.3	1454.7	1310.3	939.3	563.1
17.5°	2130.7	1905.2	1794.0	1731.7	1674.2	1586.2	1639.7	1620.0	1449.9	1130.9	705.2
15°	2892.5	2365.7	2138.4	1965.6	1886.8	1938.6	1971.6	1859.5	1614.7	1263.9	897.3
12.5°	5427.8	2951.9	2547.0	2284.6	2218.1	2289.5	2333.1	2159.6	1836.4	1554.2	1214.8
10°	8646.4	4260.9	3040.7	2698.3	2557.2	2601.7	2621.3	2423.4	2140.2	1891.2	1556.7
7.5°	14134.7	6222.7	3524.1	3057.6	2826.6	2788.6	2797.7	2613.6	2400.3	2197.5	1910.9
5°	18421.6	7480.4	3869.6	3317.7	3037.7	2976.5	2990.3	2758.5	2625.8	2478.7	2262.8
2.5°	19384.0	7759.4	4140.2	3547.5	3228.3	3165.3	3197.1	2922.7	2816.9	2676.9	2492.0
0°	21378.4	8674.0	4342.2	3693.6	3374.4	3340.5	3405.5	3120.3	2993.3	2852.9	2686.0
-2.5°	18561.0	7468.3	4262.1	3641.0	3346.0	3312.2	3422.5	3245.9	3056.2	2869.0	2619.8
-5°	15747.0	6813.6	4147.9	3556.6	3298.0	3307.6	3451.3	3352.7	3120.9	2888.1	2505.7
-7.5°	12847.2	5923.1	3966.8	3444.4	3253.2	3334.9	3504.8	3441.7	3214.4	3003.4	2546.1
-10°	8500.4	4830.7	3738.2	3360.3	3276.4	3410.1	3592.6	3515.7	3311.6	3114.5	2527.4
-12.5°	6681.5	4099.3	3507.4	3299.8	3416.0	3616.6	3700.9	3552.1	3418.2	3225.4	2442.8
-15°	4672.9	3786.9	3420.8	3407.1	3638.1	3783.1	3751.2	3501.1	3369.2	3245.5	2288.4
-17.5°	3925.1	3510.6	3293.6	3401.0	3666.1	3833.6	3682.9	3417.6	3207.8	2910.9	1898.6
-20°	3443.6	3238.5	3226.6	3339.3	3498.5	3532.7	3483.4	3252.1	2975.6	2376.8	1523.8



REPORT NUMBER: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3115.8	3071.1	3128.0	3254.3	3136.6	3145.6	3113.8	2959.8	2676.9	1819.5	1176.2
-25°	2913.1	2949.0	3086.3	3055.2	2858.3	2785.5	2798.9	2635.5	2113.0	1361.3	895.2
-27.5°	2827.6	2943.7	3036.1	2949.3	2749.4	2589.4	2498.4	2275.3	1569.4	1068.4	815.7
-30°	2834.8	2947.9	2962.5	2831.8	2649.8	2482.0	2247.0	1715.2	1203.3	840.2	753.8
-32.5°	2895.8	2896.7	2832.6	2674.2	2525.5	2352.3	1846.7	1257.5	890.1	779.3	717.1
-35°	2881.9	2765.9	2614.8	2512.5	2429.7	1980.2	1435.2	965.6	785.4	729.4	687.0
-37.5°	2774.0	2557.8	2447.0	2326.8	1991.8	1536.1	1029.6	816.3	740.8	698.1	664.9
-40°	2698.1	2473.5	2137.8	1861.5	1451.7	996.2	844.4	768.4	716.5	672.4	646.0
-42.5°	2348.5	1996.4	1627.9	1233.9	918.7	852.0	788.8	736.9	695.4	660.6	603.6
-45°	1628.5	1269.8	957.7	895.7	833.7	789.4	748.8	716.3	686.0	625.0	554.7
-47.5°	961.8	910.0	855.4	814.1	778.7	747.8	732.9	707.7	643.8	577.9	507.5
-50°	861.0	836.2	804.3	770.9	758.0	744.7	707.5	654.0	592.9	528.6	460.6
-52.5°	837.0	820.6	802.0	780.4	742.8	701.7	653.8	600.2	542.2	478.6	413.8
-55°	862.1	826.1	784.6	741.3	695.1	647.8	598.3	544.8	487.8	426.7	368.1
-57.5°	818.7	777.7	731.6	684.5	636.3	585.2	533.0	481.4	430.9	375.5	322.1
-60°	754.2	708.9	663.6	614.3	560.9	509.3	464.7	418.8	371.5	327.4	282.5
-62.5°	677.0	636.2	584.7	531.3	483.1	440.6	398.2	357.1	319.9	281.6	229.5
-65°	554.6	511.5	470.1	431.9	395.6	361.5	326.0	287.8	248.0	209.1	165.3
-67.5°	412.9	382.0	352.9	324.2	293.1	261.7	227.6	194.3	166.1	139.1	107.3
-70°	270.0	245.6	221.3	197.5	177.7	159.4	138.8	116.7	94.0	78.9	65.8
-72.5°	149.5	134.6	120.1	106.6	91.9	83.0	75.1	66.3	57.0	47.2	39.5
-75°	76.3	69.6	63.4	58.4	52.7	46.4	42.8	40.3	37.9	35.5	32.8
-77.5°	44.9	42.4	40.1	38.6	37.0	35.2	33.4	31.6	29.8	27.9	25.9
-80°	32.5	31.0	29.5	28.4	27.3	26.1	24.9	23.5	22.0	20.7	19.6
-82.5°	22.1	21.1	20.1	19.7	19.2	18.7	18.2	17.4	16.8	16.1	15.5
-85°	15.0	14.5	14.0	13.8	13.6	13.4	13.2	12.9	12.7	12.4	12.1
-87.5°	11.1	10.7	10.3	10.3	10.2	10.1	10.0	10.0	10.0	9.9	9.9
-90°	2.3	2.6	3.0	3.4	3.7	4.1	4.4	4.4	4.4	4.4	4.4



REPORT NUMBER: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.5	8.2	7.8
87.5°	4.8	5.2	5.5	5.9	5.9	5.9	5.9	5.9	6.3	6.7	7.0
85°	4.8	5.2	5.5	5.9	5.9	5.9	5.9	5.9	6.3	6.7	7.0
82.5°	4.8	5.2	5.6	5.9	6.1	6.3	6.3	6.3	6.5	6.7	7.0
80°	5.6	5.6	5.7	6.0	6.3	6.7	6.9	6.9	6.9	6.9	7.1
77.5°	6.1	6.1	5.9	6.0	6.4	6.7	7.1	7.4	7.3	7.2	7.2
75°	6.4	6.6	6.7	6.6	6.6	6.8	7.1	7.4	7.4	7.4	7.3
72.5°	6.5	6.8	7.2	7.4	7.1	7.1	7.2	7.4	7.4	7.4	7.4
70°	7.4	7.0	7.3	7.4	7.4	7.4	7.3	7.5	7.4	7.4	7.4
67.5°	8.9	7.8	7.4	7.4	7.4	7.4	7.4	7.6	7.6	7.4	7.4
65°	17.5	11.5	7.4	7.4	7.4	7.4	7.4	7.7	7.9	7.7	7.4
62.5°	24.5	17.5	11.9	8.5	7.4	7.4	7.4	7.8	8.1	8.1	7.7
60°	29.7	21.6	16.3	12.2	8.8	7.4	7.5	7.9	8.2	8.5	8.1
57.5°	28.7	24.0	19.8	15.5	11.6	8.5	7.6	7.9	8.3	8.6	8.5
55°	25.3	21.7	21.9	18.5	14.1	10.4	8.2	8.0	8.3	8.7	8.9
52.5°	19.8	20.4	22.1	20.7	16.5	12.3	9.7	8.1	8.4	8.7	8.9
50°	16.0	18.8	22.0	22.3	18.8	14.4	11.0	9.1	8.5	8.8	8.9
47.5°	16.3	18.9	21.1	23.8	21.5	16.3	12.5	10.0	8.6	8.9	8.9
45°	18.8	20.8	21.7	23.4	24.0	18.2	13.9	10.7	9.2	8.9	8.9
42.5°	22.4	24.1	24.6	23.4	23.9	19.8	15.1	11.6	9.7	9.0	9.0
40°	30.6	28.2	28.3	27.7	24.2	21.1	16.1	12.5	10.1	9.3	9.1
37.5°	40.2	35.4	32.7	35.4	27.2	22.2	16.9	13.1	10.7	9.7	9.2
35°	52.8	45.3	43.1	45.5	36.9	24.2	17.3	13.6	11.8	10.1	9.4
32.5°	67.0	65.7	65.3	56.9	49.2	26.9	18.7	15.3	13.0	10.5	9.6
30°	101.0	101.9	96.4	70.2	62.9	38.2	22.0	17.3	14.5	10.8	9.8
27.5°	158.2	144.5	134.8	97.6	75.6	51.9	26.6	19.5	16.0	11.5	10.1
25°	219.6	195.9	176.2	134.7	89.5	69.9	31.0	22.1	17.8	12.7	10.4
22.5°	291.9	248.9	221.9	177.0	111.9	89.9	40.6	25.9	19.8	14.0	10.7
20°	364.0	301.5	271.8	217.0	144.7	108.5	56.0	29.6	21.9	15.3	11.0
17.5°	444.9	368.0	325.8	257.4	180.5	129.2	72.2	33.1	24.1	16.6	11.2
15°	604.8	451.3	384.8	302.0	213.6	151.4	88.9	36.5	26.3	18.0	11.6
12.5°	798.3	534.6	448.1	349.6	244.0	174.6	105.7	39.7	28.5	19.4	12.1
10°	1011.1	617.0	514.1	398.7	271.7	198.3	122.0	44.4	31.2	20.7	12.7
7.5°	1233.5	697.6	581.1	447.9	302.5	234.8	161.8	52.7	33.9	22.0	13.2
5°	1449.8	774.6	654.1	521.1	361.9	283.4	206.5	61.4	36.6	23.2	13.8
2.5°	1632.4	845.5	726.9	594.0	419.8	330.3	250.8	70.1	39.1	24.2	14.3
0°	1789.2	911.6	794.9	661.9	475.7	375.3	292.5	78.3	41.4	25.1	14.8
-2.5°	1667.0	915.7	802.7	687.8	517.6	411.7	315.8	99.2	53.7	31.7	17.8
-5°	1524.0	916.0	808.1	709.6	556.4	445.1	334.0	118.8	65.5	38.0	20.6
-7.5°	1516.3	919.7	814.7	727.4	591.8	475.0	347.0	136.8	76.3	43.8	23.3
-10°	1497.4	923.7	822.6	731.1	599.0	486.2	352.7	152.5	86.0	48.9	25.6
-12.5°	1420.7	923.3	829.1	729.9	597.0	480.8	341.7	164.8	94.6	53.2	27.5
-15°	1278.5	918.6	834.7	723.7	589.8	472.9	329.0	174.4	103.6	58.0	28.9
-17.5°	1053.6	909.4	839.5	712.4	577.2	462.8	315.3	181.7	111.1	63.3	31.1
-20°	952.4	878.9	840.1	695.9	558.7	450.5	301.6	186.4	116.9	67.4	33.6



REPORT NUMBER: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	886.8	833.1	784.5	673.4	537.7	436.1	288.4	188.6	120.9	70.0	35.2
-25°	816.0	785.1	727.6	626.5	518.4	414.1	282.3	188.0	123.0	71.0	35.7
-27.5°	757.2	733.1	678.5	581.3	489.5	395.1	280.2	189.6	123.6	70.4	35.2
-30°	702.3	682.6	629.7	540.3	459.1	366.1	274.5	188.9	122.7	69.4	33.5
-32.5°	670.3	643.9	582.9	505.3	425.5	336.1	258.0	185.6	119.5	67.5	32.7
-35°	653.2	606.9	540.3	469.0	390.6	310.5	237.5	179.5	113.9	63.8	31.7
-37.5°	634.0	568.2	499.9	431.2	355.3	283.7	219.3	163.7	105.9	58.5	29.9
-40°	590.4	526.5	459.9	392.6	323.5	255.8	199.4	146.6	97.6	51.4	27.3
-42.5°	544.4	481.3	418.3	354.1	292.0	232.0	178.0	128.2	84.9	46.1	23.9
-45°	493.7	434.7	375.7	318.3	260.2	206.6	156.4	109.3	70.7	41.2	21.3
-47.5°	441.9	388.1	334.8	281.9	230.4	180.0	133.5	92.6	56.0	35.3	20.6
-50°	392.1	343.2	295.4	248.1	199.8	153.4	110.6	75.0	47.4	27.7	19.7
-52.5°	351.3	301.0	258.5	215.2	169.4	125.5	90.1	57.5	38.4	24.2	18.5
-55°	311.1	262.5	223.8	180.6	137.5	100.9	68.8	46.9	29.0	22.3	17.2
-57.5°	274.6	227.6	184.8	143.5	108.0	76.6	53.0	35.8	25.1	20.4	16.4
-60°	235.5	184.5	142.1	109.7	79.8	56.5	40.2	27.3	22.9	18.6	15.4
-62.5°	181.1	138.1	105.1	77.2	57.3	41.8	28.9	24.7	20.6	17.4	14.4
-65°	129.0	96.5	69.4	54.7	40.4	29.8	26.0	22.1	19.0	16.2	13.5
-67.5°	78.4	63.2	48.7	35.6	30.1	26.6	23.0	20.2	17.6	14.9	12.7
-70°	52.4	39.6	33.1	29.8	26.5	23.4	20.9	18.6	16.1	13.9	11.9
-72.5°	35.7	32.1	28.8	25.9	23.2	20.9	18.9	16.9	14.8	12.8	11.1
-75°	29.7	26.9	24.3	22.0	20.0	18.2	16.8	15.3	13.4	11.7	10.5
-77.5°	23.6	21.6	19.7	18.2	16.9	15.8	14.7	13.6	12.2	11.0	10.1
-80°	18.5	17.3	16.1	15.0	14.1	13.3	12.8	12.3	11.2	10.3	9.6
-82.5°	14.5	13.7	12.9	12.1	11.7	11.5	11.2	11.1	10.3	9.6	9.1
-85°	11.5	10.9	10.2	9.6	9.6	9.6	9.9	10.1	9.6	9.1	8.7
-87.5°	9.6	9.3	9.1	8.9	9.1	9.3	9.4	9.5	9.1	8.6	8.2
-90°	4.8	5.2	5.5	5.9	5.9	5.9	5.9	5.9	6.3	6.7	7.0



REPORT NUMBER: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
87.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
85°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
82.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
80°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
77.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
75°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
72.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
70°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
67.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
65°	7.5	7.5	7.4	7.4	7.4	7.4	7.4
62.5°	7.6	7.6	7.4	7.4	7.4	7.4	7.4
60°	7.7	7.7	7.4	7.4	7.4	7.4	7.4
57.5°	8.0	7.8	7.5	7.4	7.4	7.4	7.4
55°	8.3	8.0	7.7	7.4	7.4	7.4	7.4
52.5°	8.5	8.2	7.9	7.4	7.4	7.4	7.4
50°	8.7	8.3	8.0	7.4	7.4	7.4	7.4
47.5°	8.9	8.5	8.2	7.4	7.4	7.4	7.4
45°	8.9	8.6	8.4	7.6	7.4	7.4	7.4
42.5°	8.9	8.7	8.6	7.7	7.4	7.4	7.4
40°	8.9	8.8	8.7	7.8	7.4	7.4	7.4
37.5°	8.9	8.9	8.8	8.0	7.4	7.4	7.4
35°	8.9	8.9	8.8	8.1	7.4	7.4	7.4
32.5°	8.9	8.9	8.9	8.2	7.4	7.4	7.4
30°	9.1	8.9	8.9	8.3	7.4	7.4	7.4
27.5°	9.2	8.9	8.9	8.4	7.4	7.4	7.4
25°	9.4	8.9	8.9	8.5	7.4	7.4	7.4
22.5°	9.6	8.9	8.9	8.6	7.4	7.4	7.4
20°	9.8	9.0	8.9	8.6	7.4	7.4	7.4
17.5°	10.0	9.2	8.9	8.7	7.4	7.4	7.4
15°	10.3	9.3	8.9	8.7	7.4	7.4	7.4
12.5°	10.6	9.5	8.9	8.8	7.4	7.4	7.4
10°	10.9	9.6	8.9	8.8	7.4	7.4	7.4
7.5°	11.1	9.8	8.9	8.9	7.4	7.4	7.4
5°	11.4	10.0	8.9	8.9	7.4	7.4	7.4
2.5°	11.6	10.1	8.9	8.9	7.4	7.4	7.4
0°	11.8	10.3	8.9	8.9	7.4	7.4	7.4
-2.5°	12.6	10.5	9.0	8.9	7.5	7.4	7.4
-5°	13.3	10.6	9.1	8.9	7.5	7.4	7.4
-7.5°	14.0	10.7	9.3	8.9	7.6	7.4	7.4
-10°	14.6	10.8	9.4	8.8	7.7	7.4	7.4
-12.5°	15.1	10.9	9.5	8.8	7.7	7.4	7.4
-15°	15.4	11.0	9.5	8.8	7.8	7.4	7.4
-17.5°	15.7	11.1	9.6	8.8	7.8	7.4	7.4
-20°	16.2	11.1	9.6	8.8	7.9	7.4	7.4



REPORT NUMBER: P701580 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.2	11.2	9.6	8.8	7.9	7.4	7.4
-25°	17.7	11.5	9.6	8.7	7.9	7.4	7.4
-27.5°	17.9	11.8	9.6	8.7	7.9	7.4	7.4
-30°	17.5	12.0	9.6	8.8	7.9	7.4	7.4
-32.5°	16.6	12.2	9.6	8.8	8.0	7.4	7.4
-35°	16.4	12.2	9.7	8.8	7.9	7.4	7.4
-37.5°	16.4	12.2	9.7	8.8	7.9	7.4	7.4
-40°	16.3	12.2	9.7	8.9	7.9	7.4	7.4
-42.5°	16.0	12.1	9.7	8.9	7.9	7.4	7.4
-45°	15.6	12.0	9.7	9.0	7.8	7.4	7.4
-47.5°	15.0	11.8	9.7	9.0	7.8	7.4	7.4
-50°	14.6	11.5	9.7	8.9	7.7	7.4	7.4
-52.5°	14.2	11.2	9.7	8.8	7.7	7.4	7.4
-55°	13.6	11.0	9.6	8.6	7.6	7.4	7.4
-57.5°	13.0	10.8	9.5	8.5	7.5	7.4	7.4
-60°	12.4	10.6	9.4	8.4	7.4	7.4	7.4
-62.5°	11.9	10.3	9.2	8.2	7.4	7.4	7.4
-65°	11.4	10.0	9.0	8.1	7.4	7.4	7.4
-67.5°	10.9	9.7	8.8	7.9	7.4	7.4	7.4
-70°	10.3	9.4	8.6	7.7	7.4	7.4	7.4
-72.5°	9.9	9.1	8.4	7.7	7.4	7.4	7.4
-75°	9.6	8.9	8.1	7.7	7.4	7.4	7.4
-77.5°	9.2	8.6	8.0	7.6	7.4	7.4	7.4
-80°	8.9	8.3	7.9	7.6	7.4	7.4	7.4
-82.5°	8.5	8.1	7.8	7.5	7.4	7.4	7.4
-85°	8.2	7.9	7.7	7.5	7.4	7.4	7.4
-87.5°	7.8	7.6	7.5	7.4	7.4	7.4	7.4
-90°	7.4	7.4	7.4	7.4	7.4	7.4	7.4

(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

