

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: P701579 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-80-1S-CV1-S**

Issue Date: 8/29/2023

Test Information

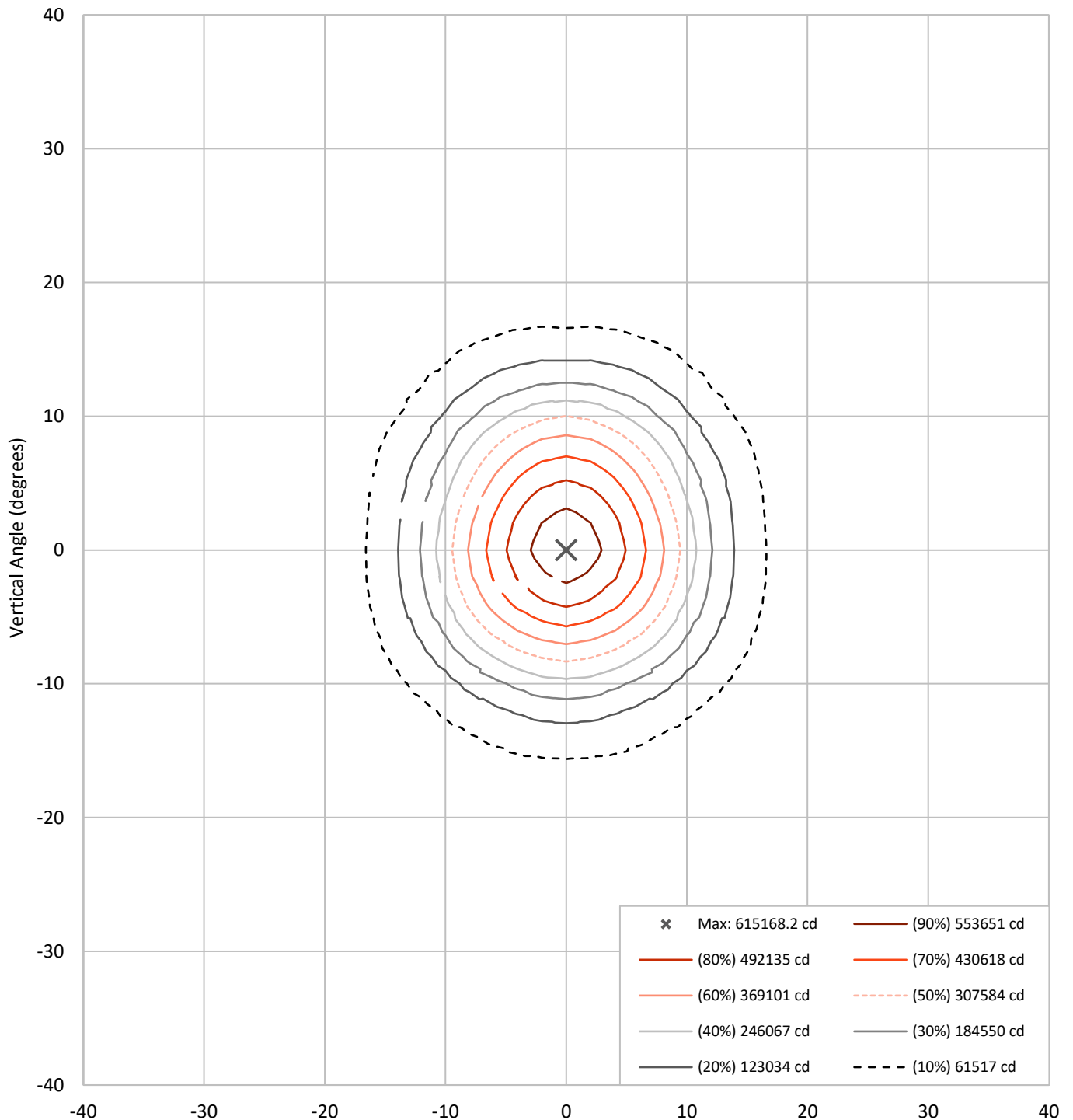
Test Method: LM-79-08
Report Number: P701579 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-2)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-57-80-1S-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	74098 lumens	Max Intensity:	615168.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	113.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 18.3°V	Field Angle (10%):	33°H x 31.9°V
Beam Lumens:	34571.9 lumens	Field Lumens:	62792.1 lumens
Beam Efficiency:	46.7%	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		

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Iso-Candela Plot





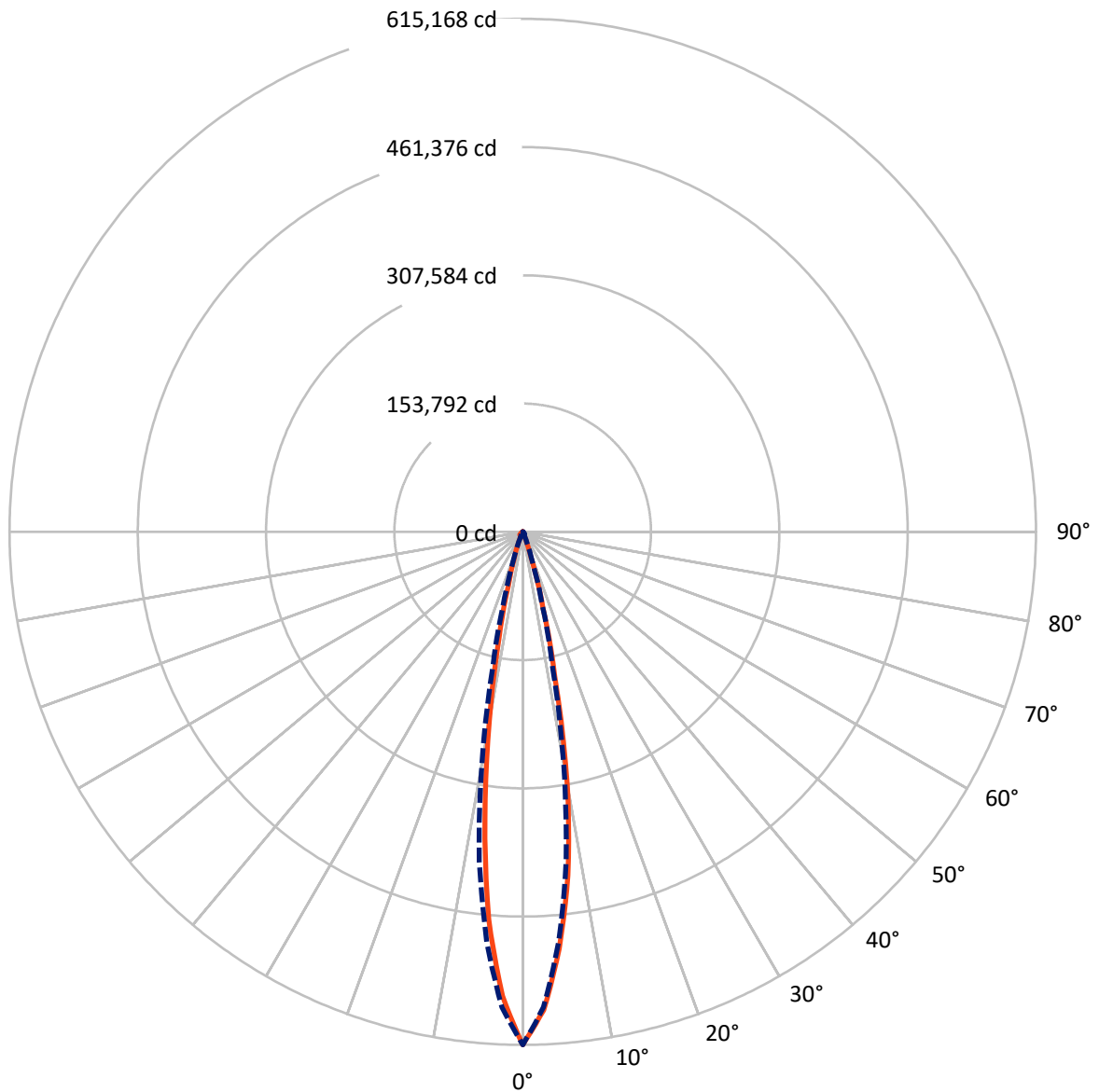
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Lumen Table

90	0.1	0.3	0.4	0.5	0.5	0.5	0.4	0.3	0.1										
80	0.1	0.3	0.4	0.5	0.5	0.5	0.4	0.3	0.1										
70	0.1	0.1	0.2	0.6	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.6	0.2	0.1	0.1			
60		0.1	0.3	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.3	0.1				
50	0.2	0.2	0.4	0.4	0.5	0.8	1.2	0.9	0.9	1.2	0.8	0.5	0.4	0.4	0.2	0.2			
40		0.3	0.9	2.0	4.1	5.9	8.4	10.3	10.3	8.4	5.9	4.1	2.0	0.9	0.3				
30	0.3	0.5	4.0	12.8	30.2	41.1	65.8	117.4	117.4	65.8	41.1	30.2	12.8	4.0	0.5	0.3			
20		1.3	8.6	37.0	74.4	98.6	720.7	2904.2	2904.2	720.7	98.6	74.4	37.0	8.6	1.3				
10	0.4	2.0	11.1	49.9	82.8	181.1	2699.9	11660.0	11660.0	2699.9	181.1	82.8	49.9	11.1	2.0	0.4			
0		2.5	11.7	49.0	82.7	175.8	2583.0	10801.4	10801.4	2583.0	175.8	82.7	49.0	11.7	2.5				
-10	0.6	2.9	11.2	39.2	76.2	96.2	575.2	2156.5	2156.5	575.2	96.2	76.2	39.2	11.2	2.9	0.6			
-20		3.0	10.9	27.2	75.5	94.7	107.2	185.1	185.1	107.2	94.7	75.5	27.2	10.9	3.0				
-30	0.5	2.6	9.9	19.1	53.6	111.1	130.0	134.0	134.0	130.0	111.1	53.6	19.1	9.9	2.6	0.5			
-40		1.9	7.6	16.9	28.4	51.0	92.6	125.7	125.7	92.6	51.0	28.4	16.9	7.6	1.9				
-50	0.3	0.9	4.4	11.4	21.7	31.6	39.7	44.7	44.7	39.7	31.6	21.7	11.4	4.4	0.9	0.3			
-60		0.4	1.5	4.5	9.3	15.2	21.1	24.6	24.6	21.1	15.2	9.3	4.5	1.5	0.4				
-70	0.2	1.2	3.3	7.8	10.5	7.8	3.3	1.2	0.2						0.2				
-80		1.2	3.3	7.8	10.5	7.8	3.3	1.2	0.2										
-90	0.2	1.2	3.3	7.8	10.5	7.8	3.3	1.2	0.2						0.2				

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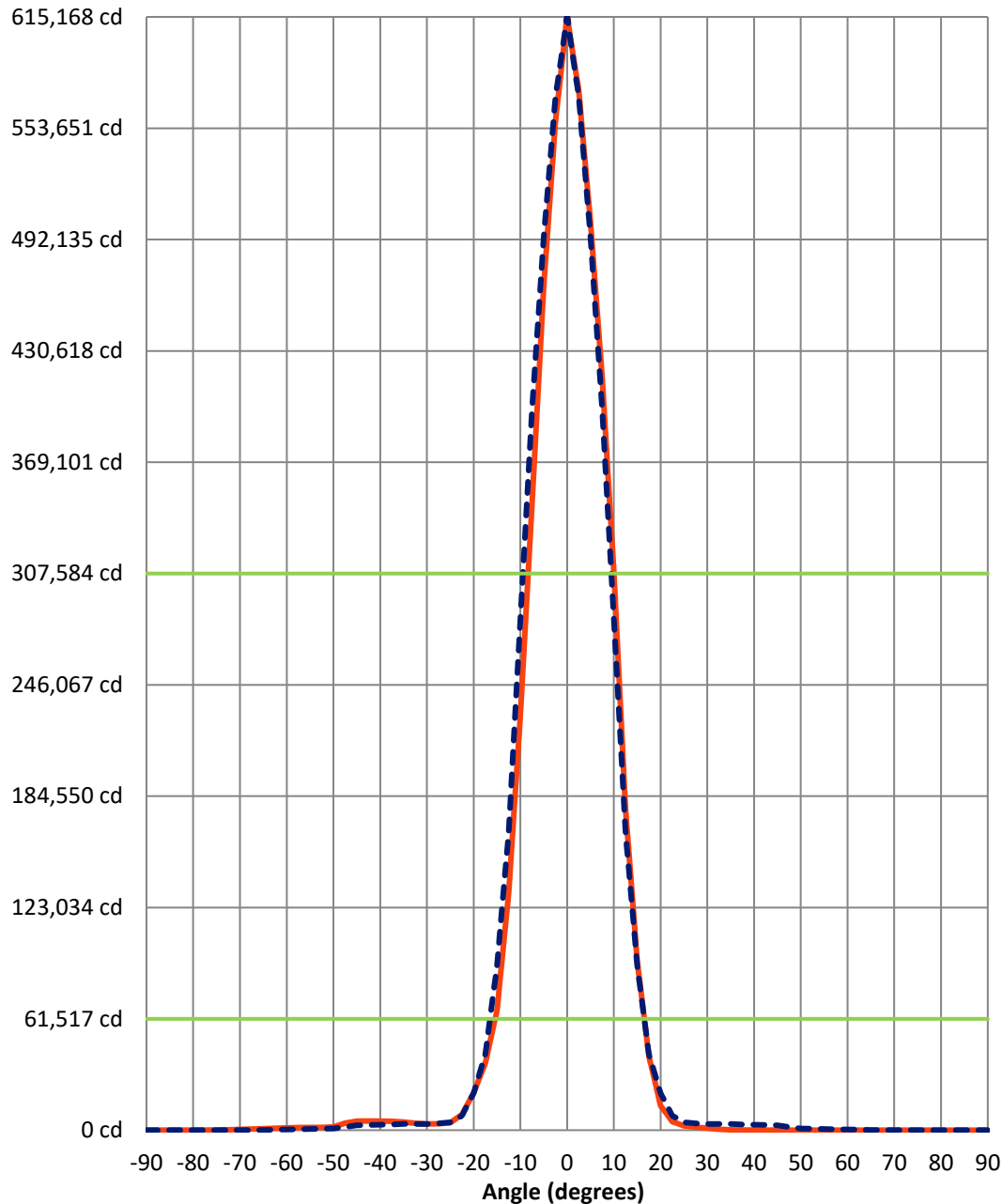
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 18.9°
V Angle: 18.3°
Lumens: 34571.9
Efficiency: 46.7%

Field:
H Angle: 33°
V Angle: 31.9°
Lumens: 62792.1
Efficiency: 84.7%

Spill:
Lumens: 11305.9
Efficiency: 15.3%

— 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°	4.5	4.5	4.5	5.2	6.0	6.7	7.4	8.2	8.9	9.7	10.4
87.5°	4.5	4.5	4.5	4.2	3.9	3.6	3.4	3.3	3.3	3.1	3.0
85°	4.5	4.6	4.5	4.2	4.0	3.9	3.8	3.7	3.5	3.3	3.0
82.5°	4.5	4.6	4.5	4.3	4.1	4.1	4.2	4.0	3.8	3.6	3.4
80°	4.5	4.6	4.5	4.3	4.3	4.3	4.5	4.4	4.3	4.2	4.1
77.5°	4.5	4.7	4.5	4.4	4.4	4.6	4.9	4.9	4.8	4.8	4.6
75°	4.5	4.7	4.5	4.4	4.5	4.9	5.3	5.3	5.3	4.9	4.6
72.5°	4.5	4.7	4.5	4.5	4.8	5.2	5.6	5.7	5.3	5.0	4.6
70°	4.5	4.8	4.6	4.5	5.0	5.5	5.9	5.7	5.4	5.0	5.1
67.5°	4.5	4.8	4.6	4.7	5.2	5.8	5.9	5.7	5.4	5.6	5.8
65°	4.5	4.8	4.6	4.9	5.5	6.0	6.0	5.8	5.9	6.2	6.2
62.5°	4.5	4.9	4.6	5.0	5.7	6.1	6.1	6.1	6.4	6.7	6.5
60°	4.5	4.9	4.7	5.2	5.9	6.2	6.2	6.5	6.9	7.0	6.7
57.5°	4.5	4.9	4.8	5.4	6.0	6.3	6.5	7.0	7.4	7.4	7.3
55°	4.5	5.0	5.0	5.5	6.2	6.5	6.9	7.4	7.8	7.9	8.0
52.5°	4.5	5.0	5.1	5.7	6.4	6.7	7.3	7.9	8.3	8.5	8.8
50°	4.5	5.1	5.2	5.8	6.5	7.0	7.7	8.4	8.8	9.2	10.1
47.5°	4.5	5.1	5.4	5.9	6.7	7.3	8.0	8.9	9.4	9.8	11.5
45°	4.5	5.1	5.5	6.1	6.9	7.6	8.5	9.5	10.0	10.9	12.8
42.5°	4.5	5.2	5.6	6.2	7.1	7.9	9.0	10.0	10.5	11.9	15.1
40°	4.5	5.2	5.8	6.4	7.3	8.2	9.5	10.5	11.2	12.9	17.4
37.5°	4.5	5.3	5.9	6.6	7.5	8.4	10.0	10.9	12.1	14.3	19.6
35°	4.5	5.3	6.0	6.8	7.7	8.8	10.5	11.4	13.1	16.4	21.3
32.5°	4.5	5.4	6.1	7.0	7.9	9.2	11.0	11.8	14.1	18.4	23.1
30°	4.5	5.4	6.3	7.2	8.1	9.6	11.4	12.4	15.1	20.3	25.2
27.5°	4.5	5.5	6.4	7.3	8.3	10.0	11.7	13.2	16.3	22.2	27.7
25°	4.5	5.5	6.5	7.5	8.6	10.4	12.1	13.9	17.8	24.1	30.5
22.5°	4.5	5.5	6.6	7.7	8.8	10.8	12.4	14.7	19.2	26.2	34.7
20°	4.5	5.6	6.7	7.9	9.0	11.0	12.8	15.5	20.6	28.4	39.3
17.5°	4.5	5.6	6.8	8.0	9.2	11.3	13.1	16.2	21.8	30.7	44.2
15°	4.5	5.7	6.9	8.2	9.4	11.5	13.3	16.8	22.9	33.1	49.2
12.5°	4.5	5.7	7.0	8.3	9.6	11.6	13.6	17.4	24.0	35.5	54.4
10°	4.5	5.8	7.1	8.4	9.8	11.7	13.9	17.9	25.0	37.6	59.5
7.5°	4.5	5.8	7.2	8.6	10.0	11.8	14.1	18.3	26.0	39.7	64.4
5°	4.5	5.8	7.3	8.7	10.1	11.9	14.4	18.7	26.8	41.5	69.1
2.5°	4.5	5.9	7.3	8.8	10.3	11.9	14.6	19.0	27.6	43.1	73.4
0°	4.5	5.9	7.4	8.9	10.4	11.9	14.8	19.3	28.2	44.5	77.2
-2.5°	4.5	5.9	7.5	9.0	10.7	12.5	16.2	23.0	36.2	58.7	99.3
-5°	4.5	6.0	7.5	9.1	10.9	13.2	17.5	26.5	43.8	72.4	120.2
-7.5°	4.5	6.0	7.6	9.2	11.1	13.7	18.7	29.8	51.0	85.1	139.7
-10°	4.5	6.0	7.6	9.2	11.3	14.3	19.8	32.7	57.4	96.5	157.1
-12.5°	4.5	6.0	7.7	9.3	11.5	14.8	20.8	35.3	62.8	106.5	171.8
-15°	4.5	6.0	7.7	9.3	11.7	15.2	21.7	37.3	68.1	115.6	183.8
-17.5°	4.5	6.1	7.7	9.4	11.8	15.5	22.4	39.6	73.2	123.0	193.1
-20°	4.5	6.1	7.7	9.4	11.9	15.8	23.1	41.8	76.9	128.5	199.5



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.5	6.1	7.7	9.4	11.9	16.0	23.9	43.1	79.2	132.1	202.7
-25°	4.5	6.1	7.8	9.4	11.9	16.1	24.3	43.4	79.9	133.6	202.5
-27.5°	4.5	6.0	7.8	9.4	11.9	16.2	24.2	42.5	79.0	133.5	203.5
-30°	4.5	6.0	7.7	9.4	11.8	16.2	23.7	40.5	77.6	132.2	201.9
-32.5°	4.5	6.0	7.7	9.4	11.8	16.1	22.7	39.5	75.3	128.6	197.3
-35°	4.5	6.0	7.7	9.4	11.7	15.9	22.2	38.3	71.2	122.5	189.8
-37.5°	4.5	6.0	7.7	9.3	11.6	15.6	21.9	36.3	65.4	114.0	177.7
-40°	4.5	5.9	7.7	9.3	11.5	15.5	21.4	33.6	57.9	105.1	163.6
-42.5°	4.5	5.9	7.6	9.3	11.4	15.2	20.8	30.1	52.3	93.7	146.9
-45°	4.5	5.9	7.6	9.2	11.3	14.9	20.0	27.2	47.4	80.3	128.3
-47.5°	4.5	5.8	7.5	9.2	11.3	14.5	19.1	26.1	41.4	65.6	111.4
-50°	4.5	5.8	7.5	9.1	11.2	14.0	18.4	24.8	34.3	57.3	92.5
-52.5°	4.5	5.7	7.4	9.0	11.1	13.5	17.7	23.3	30.7	48.1	72.9
-55°	4.5	5.7	7.3	8.9	10.9	13.2	16.9	21.7	28.6	38.1	61.1
-57.5°	4.5	5.6	7.3	8.8	10.7	12.9	16.0	20.5	26.4	33.7	48.4
-60°	4.5	5.5	7.2	8.6	10.5	12.7	15.1	19.3	24.2	30.8	38.1
-62.5°	4.5	5.5	7.0	8.4	10.2	12.4	14.7	18.0	22.7	27.6	34.5
-65°	4.5	5.4	6.8	8.2	9.9	12.0	14.2	16.9	21.1	25.6	30.6
-67.5°	4.5	5.3	6.6	8.0	9.5	11.5	13.7	16.2	19.5	23.8	28.0
-70°	4.5	5.2	6.4	7.8	9.1	10.9	13.1	15.5	18.5	21.9	26.0
-72.5°	4.5	5.1	6.2	7.5	8.6	10.2	12.2	14.7	17.3	20.4	23.8
-75°	4.5	5.0	6.0	7.2	8.2	9.5	11.2	13.6	16.1	18.8	21.8
-77.5°	4.5	5.0	5.7	6.8	7.8	8.8	10.1	12.4	14.7	17.1	19.6
-80°	4.5	4.9	5.5	6.5	7.4	8.2	9.0	11.1	13.3	15.5	17.7
-82.5°	4.5	4.8	5.3	6.2	7.1	7.9	8.5	10.1	11.9	13.9	15.9
-85°	4.5	4.7	5.0	5.9	6.7	7.5	8.2	9.5	10.9	12.4	14.1
-87.5°	4.5	4.6	4.8	5.6	6.3	7.1	7.8	8.8	9.9	11.0	12.3
-90°	4.5	4.5	4.5	4.1	3.8	3.4	3.0	3.0	3.0	3.0	3.0



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	10.4	10.4	10.4	10.4	10.8	11.2	11.5	11.9	12.3	12.7	13.0
87.5°	2.8	2.6	2.5	2.4	2.2	2.0	1.8	1.5	1.5	1.5	1.5
85°	3.0	3.0	3.0	3.0	2.7	2.5	2.3	2.1	2.0	1.9	1.7
82.5°	3.4	3.4	3.2	3.0	2.9	2.9	3.0	3.0	2.7	2.5	2.3
80°	4.0	3.8	3.6	3.5	3.5	3.5	3.3	3.1	3.0	3.1	3.3
77.5°	4.3	4.2	4.2	4.3	4.2	4.0	3.8	3.8	4.0	4.2	4.4
75°	4.4	4.5	4.6	4.6	4.4	4.4	4.5	4.8	5.0	5.0	4.9
72.5°	4.7	4.9	4.9	4.7	4.8	5.1	5.5	5.8	6.5	7.3	8.1
70°	5.3	5.4	5.3	5.3	5.6	6.2	7.5	9.2	10.8	12.7	15.4
67.5°	5.8	5.6	5.7	6.1	7.1	8.6	10.4	16.4	23.2	26.1	27.0
65°	5.9	5.9	6.5	7.5	8.8	13.5	20.0	28.1	35.6	36.5	35.2
62.5°	6.0	6.5	7.5	9.6	14.1	20.4	27.4	35.1	43.7	44.1	38.6
60°	6.6	7.3	9.6	13.8	18.9	24.6	32.4	38.5	45.6	49.0	37.4
57.5°	7.4	8.7	12.5	17.5	22.7	26.9	31.1	37.5	41.2	41.9	30.9
55°	8.6	10.6	15.3	21.1	24.8	23.9	27.3	30.8	32.3	30.1	21.5
52.5°	10.4	12.7	18.7	23.6	24.5	22.5	22.4	24.1	22.4	19.3	16.8
50°	12.0	16.4	21.9	25.1	24.3	21.4	18.1	17.7	17.1	16.0	14.4
47.5°	14.7	19.9	24.6	26.5	23.4	20.3	16.4	15.8	15.8	15.2	13.9
45°	17.7	22.7	27.5	25.7	22.8	19.8	18.2	16.3	16.3	16.5	17.4
42.5°	20.5	24.9	27.3	25.0	23.1	22.2	21.9	19.5	19.4	23.4	24.8
40°	22.4	26.8	27.3	26.9	24.8	26.9	27.5	27.7	28.9	33.2	35.4
37.5°	23.9	27.5	29.2	32.0	30.1	33.3	34.9	51.0	53.1	44.8	61.5
35°	25.1	28.8	36.3	44.4	47.0	41.8	63.0	85.3	93.0	88.0	106.9
32.5°	26.5	30.8	46.0	65.3	82.9	78.5	99.1	137.6	162.2	174.8	189.9
30°	29.2	39.8	61.0	91.8	137.4	164.8	166.4	207.3	252.5	332.9	405.4
27.5°	33.8	51.6	86.6	142.3	212.6	269.7	280.3	306.7	410.3	562.3	753.7
25°	39.1	80.3	115.8	210.9	314.4	378.7	397.3	442.2	621.9	970.6	1159.6
22.5°	53.6	118.5	165.4	290.8	428.6	484.1	523.1	686.3	1010.7	1471.6	1613.5
20°	81.1	162.7	227.0	359.4	543.9	588.2	646.9	996.9	1516.9	1900.7	2093.6
17.5°	113.5	207.3	288.7	427.1	589.5	671.4	795.6	1352.5	2039.8	2315.5	2516.1
15°	149.8	252.0	342.2	486.8	629.8	726.8	1028.7	1765.9	2482.1	2710.2	2906.6
12.5°	188.5	296.3	388.2	538.6	669.6	778.3	1240.9	2056.6	2694.8	3017.3	3270.3
10°	228.5	339.8	427.6	582.9	708.3	825.6	1439.6	2305.7	2802.3	3069.3	3348.6
7.5°	253.2	367.5	457.9	620.2	745.1	868.7	1619.6	2513.0	2876.3	3085.5	3292.5
5°	271.8	377.0	465.6	637.0	772.7	900.4	1755.2	2677.8	2923.4	3073.2	3194.7
2.5°	285.9	383.5	470.7	646.1	793.4	916.4	1768.1	2703.7	2909.0	3049.7	3133.5
0°	295.3	387.3	473.3	649.9	810.1	927.3	1741.9	2690.0	2877.0	3022.4	3120.3
-2.5°	305.7	398.6	494.6	661.4	811.6	927.7	1717.0	2663.4	2908.7	3104.0	3266.6
-5°	311.9	407.6	512.8	668.4	808.9	924.0	1661.1	2595.1	2904.7	3110.4	3309.7
-7.5°	314.8	414.5	526.9	670.4	797.3	906.3	1566.2	2432.0	2782.5	2974.9	3221.6
-10°	315.9	423.5	533.5	659.9	774.8	878.6	1439.7	2243.6	2656.3	2832.3	3091.6
-12.5°	318.9	434.1	537.7	649.5	751.9	847.9	1285.0	2037.1	2529.1	2683.9	2948.1
-15°	318.9	442.7	540.7	640.5	729.6	814.5	1103.4	1818.8	2459.6	2711.0	2928.2
-17.5°	316.3	449.2	543.0	634.2	709.2	778.9	902.5	1624.0	2415.7	2769.6	2983.8
-20°	311.2	453.8	544.9	631.7	692.0	762.4	860.6	1406.7	2192.9	2796.1	3057.6



REPORT NUMBER: P701579 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	303.9	456.4	546.6	629.7	697.5	764.1	846.8	1160.4	1883.2	2792.8	3059.8
-25°	300.5	443.6	546.4	629.3	705.8	767.4	830.5	926.2	1550.5	2395.4	2978.7
-27.5°	299.1	428.9	537.0	623.2	713.4	772.9	827.5	905.1	1232.2	1919.4	2812.6
-30°	293.3	404.7	523.4	610.8	705.9	779.2	832.8	882.1	972.2	1509.4	2252.7
-32.5°	279.9	379.4	497.5	592.7	687.8	785.0	834.8	877.2	943.7	1102.6	1706.4
-35°	264.1	359.3	466.9	569.6	662.7	764.9	831.6	876.2	919.8	996.8	1270.5
-37.5°	249.8	336.2	435.7	539.2	632.7	728.8	824.5	871.6	915.6	970.5	1074.7
-40°	232.8	310.1	406.2	504.6	598.0	690.6	783.4	865.1	909.3	980.7	1049.5
-42.5°	213.2	288.2	374.5	469.0	558.5	649.2	740.2	827.6	919.2	990.9	1059.6
-45°	191.7	263.3	340.9	426.9	514.7	603.2	691.5	782.5	892.9	1002.1	1071.0
-47.5°	167.1	235.4	309.2	380.3	464.9	551.6	638.1	733.4	842.9	957.0	1080.0
-50°	141.2	204.2	271.7	337.0	408.9	493.3	578.3	674.1	777.1	887.5	1003.4
-52.5°	117.5	169.8	230.6	293.7	356.5	426.8	511.9	603.0	699.3	803.1	904.3
-55°	91.7	137.9	186.2	245.6	307.1	366.8	436.0	521.3	610.2	704.2	795.5
-57.5°	72.3	104.9	145.7	192.8	250.7	311.0	370.7	435.1	513.8	596.8	672.9
-60°	56.4	77.9	107.5	146.1	188.8	244.3	303.3	361.6	422.5	483.1	548.9
-62.5°	41.9	58.3	77.3	102.3	138.3	176.1	225.2	279.6	336.1	386.5	434.2
-65°	37.2	42.0	55.1	72.5	90.2	121.4	156.0	192.5	239.7	284.1	327.2
-67.5°	32.2	36.8	41.0	47.5	63.1	78.7	94.0	124.2	155.8	184.2	214.4
-70°	29.2	31.8	35.5	39.2	42.7	49.3	62.8	76.1	88.7	104.1	127.9
-72.5°	26.4	28.5	30.8	33.5	36.6	39.7	42.8	46.0	54.0	64.4	73.8
-75°	23.7	25.0	26.8	28.8	31.0	33.2	35.4	38.0	40.8	43.7	46.8
-77.5°	21.0	22.2	23.3	24.3	25.7	27.6	29.5	31.2	33.0	34.6	36.2
-80°	18.6	19.3	20.1	21.0	22.0	23.0	24.1	25.3	26.6	27.9	29.3
-82.5°	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.2	20.9	21.7	22.5
-85°	14.5	14.8	15.1	15.5	15.8	16.1	16.4	16.7	16.9	17.2	17.4
-87.5°	12.4	12.6	12.8	12.9	13.2	13.5	13.7	13.9	14.1	14.3	14.4
-90°	2.6	2.3	1.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



REPORT NUMBER: P701579 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	13.4	13.8	14.1	14.5	14.8	15.2	15.6	15.9	16.3	16.3	16.3
87.5°	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.1	0.7
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	2.2	2.1	2.0	1.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	3.4	3.2	3.0	2.7	2.5	2.3	2.1	1.8	1.5	1.5	1.5
77.5°	4.5	4.2	3.8	3.5	3.1	2.9	2.8	2.7	2.7	2.8	2.9
75°	4.6	4.5	4.7	4.7	4.5	4.3	4.0	3.6	3.1	3.0	3.0
72.5°	8.8	9.2	9.0	8.8	8.0	7.5	7.2	6.9	6.5	6.4	6.3
70°	16.8	17.0	16.3	14.8	12.6	11.1	10.5	9.7	8.8	8.8	9.2
67.5°	25.7	23.4	21.4	19.0	15.9	13.8	13.1	12.3	11.5	11.1	11.0
65°	31.6	24.9	21.2	18.8	17.3	15.5	13.9	12.2	10.6	9.6	9.3
62.5°	31.2	21.8	17.6	15.7	14.2	13.1	11.4	10.0	8.7	7.8	7.7
60°	27.1	18.1	13.5	12.2	11.2	10.4	9.5	8.6	7.9	7.4	7.4
57.5°	21.2	14.1	10.4	10.2	9.8	9.2	8.7	8.2	7.8	7.4	7.8
55°	15.4	12.4	10.5	10.3	10.0	9.4	8.8	8.7	8.6	8.4	9.0
52.5°	13.4	12.2	11.7	11.4	10.8	10.4	10.3	10.3	10.4	10.7	10.9
50°	13.2	12.7	12.3	11.8	11.7	11.8	11.8	12.2	12.6	12.8	12.9
47.5°	13.7	13.5	14.0	13.2	13.5	14.4	14.6	14.9	16.0	16.3	16.2
45°	16.1	18.2	18.8	18.7	18.3	23.8	24.9	22.8	31.4	30.1	23.5
42.5°	24.8	27.5	29.3	34.6	42.5	47.7	61.5	84.6	75.6	57.0	36.8
40°	42.7	41.9	49.9	59.8	65.7	76.5	93.4	115.4	106.5	90.4	96.5
37.5°	75.2	76.1	78.7	91.7	96.4	84.5	109.5	107.6	91.3	116.7	119.7
35°	137.9	152.5	129.5	157.7	164.4	154.2	163.4	180.7	156.3	189.0	199.6
32.5°	248.1	273.3	274.3	280.9	304.2	326.8	333.2	380.0	395.2	434.7	477.1
30°	396.2	442.8	482.5	493.3	524.5	580.2	626.1	716.4	813.0	885.6	980.9
27.5°	714.1	671.8	760.3	868.0	833.7	914.6	1080.3	1210.5	1403.1	1541.7	1616.5
25°	1155.0	1086.3	1247.5	1411.7	1412.1	1425.8	1665.5	1874.4	2032.0	2157.1	2266.8
22.5°	1675.4	1760.9	1905.5	2096.1	1996.7	2087.4	2325.3	2495.0	2715.8	2932.2	3580.5
20°	2258.5	2431.7	2550.6	2522.2	2517.8	2671.9	2881.2	3208.7	3876.5	6230.5	8478.5
17.5°	2772.4	2982.7	2972.3	2852.6	2909.4	3167.9	3547.8	4819.4	8192.9	15838.4	22993.6
15°	3170.9	3264.6	3202.9	3131.3	3258.3	3645.5	4595.7	8707.7	18944.8	31188.2	45163.2
12.5°	3437.1	3400.3	3238.5	3250.2	3551.8	4095.7	7325.3	16949.3	31751.8	49139.1	84274.7
10°	3540.0	3439.3	3297.6	3428.7	3840.0	5149.3	9852.6	23533.5	45912.9	82062.0	129420.1
7.5°	3469.9	3384.1	3344.1	3575.6	4123.1	6819.6	15315.4	33286.2	65812.1	112428.9	179073.8
5°	3424.6	3367.3	3375.8	3672.1	4302.0	8047.7	19176.3	39421.7	81633.7	141795.6	226582.3
2.5°	3421.9	3387.9	3402.9	3739.1	4402.9	8676.4	21351.2	40443.4	87191.3	157769.2	265455.3
0°	3458.6	3436.4	3423.0	3752.4	4354.8	8061.2	20484.6	42085.0	91004.0	164976.1	282343.4
-2.5°	3629.5	3447.3	3439.7	3751.6	4408.0	8518.7	20991.9	41518.1	89627.9	158315.4	264226.9
-5°	3588.6	3382.6	3349.8	3611.6	4224.4	7671.2	18377.7	38343.1	78728.8	134616.3	217785.0
-7.5°	3426.4	3288.8	3230.4	3438.8	3971.7	6438.7	14252.1	30272.3	59284.2	101468.8	156936.9
-10°	3294.6	3203.7	3117.4	3261.7	3666.7	4920.6	9085.6	20308.8	40325.6	69000.8	100766.4
-12.5°	3225.3	3182.3	3026.6	3067.0	3349.9	3906.1	6357.3	13727.3	25254.1	37468.3	61207.1
-15°	3176.2	3143.6	2997.8	2988.2	3146.3	3475.0	4188.0	7120.4	14122.3	22915.4	32338.1
-17.5°	3131.9	3119.9	3042.6	2958.8	2978.5	3169.1	3561.7	4603.0	7222.1	12811.4	18901.8
-20°	3153.2	3160.1	3101.1	3013.5	2982.3	3006.9	3210.9	3569.7	4233.2	6492.7	9251.9



REPORT NUMBER: P701579 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3146.5	3166.6	3150.8	3157.0	3119.4	3062.1	3021.7	3178.3	3429.4	3831.2	4851.8
-25°	3145.8	3173.6	3291.3	3442.2	3426.5	3289.7	3146.3	3022.2	3165.8	3339.4	3592.7
-27.5°	3099.2	3279.4	3572.7	3795.1	3858.9	3708.9	3508.5	3299.9	3276.9	3271.5	3368.9
-30°	3083.9	3470.9	3817.0	4134.1	4178.7	4103.1	4010.3	3861.7	3702.1	3613.8	3566.7
-32.5°	2618.5	3555.5	3978.6	4263.9	4334.5	4331.2	4352.1	4281.5	4231.7	4174.6	4093.9
-35°	1988.0	2971.3	4007.2	4138.7	4253.6	4356.1	4493.2	4528.3	4555.9	4587.5	4615.7
-37.5°	1388.2	2154.7	3015.5	3766.4	4005.0	4183.3	4426.2	4604.4	4752.6	4826.1	4914.4
-40°	1150.0	1361.8	2028.7	2663.4	3288.8	3865.6	4127.2	4430.8	4714.8	4872.6	5016.9
-42.5°	1126.4	1201.8	1281.9	1724.6	2253.9	2798.3	3333.1	3818.1	4334.7	4679.1	4932.6
-45°	1134.0	1172.1	1218.9	1296.5	1379.5	1795.0	2243.1	2700.6	3265.1	3816.7	4298.2
-47.5°	1133.0	1167.8	1204.8	1242.4	1291.9	1369.4	1449.0	1578.5	1978.8	2402.1	2811.7
-50°	1093.8	1164.4	1199.0	1234.1	1270.1	1308.4	1348.6	1405.4	1473.2	1536.7	1588.0
-52.5°	994.7	1078.0	1158.0	1225.0	1258.0	1291.6	1327.3	1374.7	1419.1	1460.8	1482.5
-55°	882.7	965.6	1046.6	1118.6	1186.5	1252.0	1312.7	1356.0	1400.4	1445.5	1464.0
-57.5°	753.9	837.5	917.9	985.1	1052.9	1120.7	1183.6	1244.0	1304.2	1361.3	1393.2
-60°	616.9	686.7	758.7	827.5	893.4	956.1	1014.7	1071.9	1126.6	1174.5	1204.8
-62.5°	482.2	537.2	598.0	657.7	715.6	771.6	825.6	877.1	925.6	966.6	995.0
-65°	369.2	410.2	452.1	495.1	539.1	587.2	632.6	675.5	715.7	749.0	773.8
-67.5°	250.8	286.3	320.1	352.0	384.3	418.2	452.7	485.1	515.3	539.8	559.0
-70°	150.8	172.9	194.4	217.4	243.3	268.0	292.3	315.3	336.8	353.6	366.2
-72.5°	82.2	90.2	100.8	118.4	134.7	149.8	163.7	176.2	187.4	196.6	204.3
-75°	50.0	54.0	60.5	66.8	72.8	78.6	84.1	89.2	93.8	97.6	100.8
-77.5°	38.2	40.4	42.5	44.5	46.3	48.3	50.2	52.0	53.7	55.2	56.6
-80°	30.6	31.8	33.0	34.1	35.2	36.4	37.6	38.8	40.0	40.9	41.6
-82.5°	23.3	24.5	25.6	26.6	27.6	28.3	28.9	29.6	30.3	30.9	31.5
-85°	17.7	18.5	19.4	20.3	21.2	21.4	21.7	21.8	22.0	22.4	22.9
-87.5°	14.5	14.9	15.4	15.8	16.2	16.6	17.0	17.4	17.7	18.1	18.5
-90°	1.5	1.1	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701579 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	15.9
87.5°	0.4	0.0	0.7	1.5	0.7	0.0	0.4	0.7	1.1	1.4	1.4
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8
77.5°	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.7	2.7
75°	3.0	3.0	3.7	4.5	3.7	3.0	3.0	3.0	3.0	3.1	3.6
72.5°	6.1	5.9	5.9	5.9	5.9	5.9	6.1	6.3	6.4	6.5	6.9
70°	9.7	10.2	10.4	10.4	10.4	10.2	9.7	9.2	8.8	8.8	9.7
67.5°	10.8	10.5	9.0	7.4	9.0	10.5	10.8	11.0	11.1	11.5	12.3
65°	9.1	9.0	8.2	7.4	8.2	9.0	9.1	9.3	9.6	10.6	12.2
62.5°	7.6	7.5	7.4	7.4	7.4	7.5	7.6	7.7	7.8	8.7	10.0
60°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.9	8.6
57.5°	8.2	8.7	8.9	8.9	8.9	8.7	8.2	7.8	7.4	7.8	8.2
55°	9.6	10.1	10.4	10.4	10.4	10.1	9.6	9.0	8.4	8.6	8.7
52.5°	10.9	10.6	10.9	11.9	10.9	10.6	10.9	10.9	10.7	10.4	10.3
50°	13.0	13.2	13.4	13.4	13.4	13.2	13.0	12.9	12.8	12.6	12.2
47.5°	16.4	16.3	16.2	16.3	16.2	16.3	16.4	16.2	16.3	16.0	14.9
45°	24.3	24.7	25.4	26.7	25.4	24.7	24.3	23.5	30.1	31.4	22.8
42.5°	38.5	39.3	39.8	40.1	39.8	39.3	38.5	36.8	57.0	75.6	84.6
40°	91.6	72.8	54.5	54.9	54.5	72.8	91.6	96.5	90.4	106.5	115.4
37.5°	105.2	95.7	91.9	90.5	91.9	95.7	105.2	119.7	116.7	91.3	107.6
35°	199.3	202.8	198.2	200.3	198.2	202.8	199.3	199.6	189.0	156.3	180.7
32.5°	490.7	510.7	503.6	506.0	503.6	510.7	490.7	477.1	434.7	395.2	380.0
30°	1019.4	1080.6	1094.5	1090.6	1094.5	1080.6	1019.4	980.9	885.6	813.0	716.4
27.5°	1646.6	1695.2	1705.2	1695.9	1705.2	1695.2	1646.6	1616.5	1541.7	1403.1	1210.5
25°	2327.4	2373.7	2399.8	2387.3	2399.8	2373.7	2327.4	2266.8	2157.1	2032.0	1874.4
22.5°	4331.1	4541.4	4643.9	4783.6	4643.9	4541.4	4331.1	3580.5	2932.2	2715.8	2495.0
20°	12773.4	14225.4	13950.2	13650.5	13950.2	14225.4	12773.4	8478.5	6230.5	3876.5	3208.7
17.5°	31884.0	39023.2	42422.8	41038.9	42422.8	39023.2	31884.0	22993.6	15838.4	8192.9	4819.4
15°	65211.9	85159.3	96822.3	93708.9	96822.3	85159.3	65211.9	45163.2	31188.2	18944.8	8707.7
12.5°	118131.9	149834.3	174121.2	177597.6	174121.2	149834.3	118131.9	84274.7	49139.1	31751.8	16949.3
10°	185781.1	244363.9	292642.4	308405.4	292642.4	244363.9	185781.1	129420.1	82062.0	45912.9	23533.5
7.5°	266415.5	344619.7	400298.3	415774.4	400298.3	344619.7	266415.5	179073.8	112428.9	65812.1	33286.2
5°	331085.5	421088.0	482745.5	501683.9	482745.5	421088.0	331085.5	226582.3	141795.6	81633.7	39421.7
2.5°	379525.1	473929.4	542684.3	574100.4	542684.3	473929.4	379525.1	265455.3	157769.2	87191.3	40443.4
0°	398289.9	493422.4	570520.8	615168.2	570520.8	493422.4	398289.9	282343.4	164976.1	91004.0	42085.0
-2.5°	379933.7	468380.3	527751.1	557028.4	527751.1	468380.3	379933.7	264226.9	158315.4	89627.9	41518.1
-5°	316307.0	394570.6	445770.0	466439.1	445770.0	394570.6	316307.0	217785.0	134616.3	78728.8	38343.1
-7.5°	226641.8	290886.7	329050.0	346465.6	329050.0	290886.7	226641.8	156936.9	101468.8	59284.2	30272.3
-10°	147246.9	182807.3	221286.4	229522.0	221286.4	182807.3	147246.9	100766.4	69000.8	40325.6	20308.8
-12.5°	82955.3	105394.5	124518.6	131420.5	124518.6	105394.5	82955.3	61207.1	37468.3	25254.1	13727.3
-15°	44881.5	57666.4	64555.1	66249.2	64555.1	57666.4	44881.5	32338.1	22915.4	14122.3	7120.4
-17.5°	25768.0	31909.6	35423.8	37037.2	35423.8	31909.6	25768.0	18901.8	12811.4	7222.1	4603.0
-20°	13769.8	17235.1	19213.8	20670.1	19213.8	17235.1	13769.8	9251.9	6492.7	4233.2	3569.7



REPORT NUMBER: P701579 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6324.7	7392.7	7996.3	8678.4	7996.3	7392.7	6324.7	4851.8	3831.2	3429.4	3178.3
-25°	3812.7	3956.4	4043.0	4112.9	4043.0	3956.4	3812.7	3592.7	3339.4	3165.8	3022.2
-27.5°	3452.5	3499.5	3526.7	3555.1	3526.7	3499.5	3452.5	3368.9	3271.5	3276.9	3299.9
-30°	3526.1	3478.4	3461.9	3443.8	3461.9	3478.4	3526.1	3566.7	3613.8	3702.1	3861.7
-32.5°	4012.8	3920.1	3870.4	3823.6	3870.4	3920.1	4012.8	4093.9	4174.6	4231.7	4281.5
-35°	4604.8	4563.1	4541.2	4513.6	4541.2	4563.1	4604.8	4615.7	4587.5	4555.9	4528.3
-37.5°	4929.2	4921.9	4920.7	4906.7	4920.7	4921.9	4929.2	4914.4	4826.1	4752.6	4604.4
-40°	5033.7	5030.7	5023.5	5016.5	5023.5	5030.7	5033.7	5016.9	4872.6	4714.8	4430.8
-42.5°	5000.0	5044.8	5066.3	5067.0	5066.3	5044.8	5000.0	4932.6	4679.1	4334.7	3818.1
-45°	4605.0	4833.2	4965.9	5001.7	4965.9	4833.2	4605.0	4298.2	3816.7	3265.1	2700.6
-47.5°	3176.4	3498.3	3746.3	3902.2	3746.3	3498.3	3176.4	2811.7	2402.1	1978.8	1578.5
-50°	1632.8	1674.7	1717.0	1758.2	1717.0	1674.7	1632.8	1588.0	1536.7	1473.2	1405.4
-52.5°	1499.8	1517.3	1528.2	1534.2	1528.2	1517.3	1499.8	1482.5	1460.8	1419.1	1374.7
-55°	1480.8	1497.0	1505.0	1507.5	1505.0	1497.0	1480.8	1464.0	1445.5	1400.4	1356.0
-57.5°	1420.6	1443.3	1456.8	1463.0	1456.8	1443.3	1420.6	1393.2	1361.3	1304.2	1244.0
-60°	1230.0	1250.1	1263.7	1271.6	1263.7	1250.1	1230.0	1204.8	1174.5	1126.6	1071.9
-62.5°	1018.6	1037.3	1047.8	1052.0	1047.8	1037.3	1018.6	995.0	966.6	925.6	877.1
-65°	794.3	810.5	826.9	839.8	826.9	810.5	794.3	773.8	749.0	715.7	675.5
-67.5°	575.3	588.4	602.8	614.3	602.8	588.4	575.3	559.0	539.8	515.3	485.1
-70°	376.1	383.2	395.0	405.1	395.0	383.2	376.1	366.2	353.6	336.8	315.3
-72.5°	210.4	215.0	223.7	231.5	223.7	215.0	210.4	204.3	196.6	187.4	176.2
-75°	103.5	105.6	106.5	106.8	106.5	105.6	103.5	100.8	97.6	93.8	89.2
-77.5°	57.8	59.0	59.2	59.3	59.2	59.0	57.8	56.6	55.2	53.7	52.0
-80°	42.2	42.8	43.7	44.5	43.7	42.8	42.2	41.6	40.9	40.0	38.8
-82.5°	32.0	32.5	32.6	32.6	32.6	32.5	32.0	31.5	30.9	30.3	29.6
-85°	23.3	23.7	23.7	23.7	23.7	23.7	23.3	22.9	22.4	22.0	21.8
-87.5°	18.9	19.3	19.3	19.3	19.3	19.3	18.9	18.5	18.1	17.7	17.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	15.6	15.2	14.8	14.5	14.1	13.8	13.4	13.0	12.7	12.3	11.9
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.9	2.0	2.1
82.5°	1.5	1.5	1.5	1.8	2.0	2.1	2.2	2.3	2.5	2.7	3.0
80°	2.1	2.3	2.5	2.7	3.0	3.2	3.4	3.3	3.1	3.0	3.1
77.5°	2.8	2.9	3.1	3.5	3.8	4.2	4.5	4.4	4.2	4.0	3.8
75°	4.0	4.3	4.5	4.7	4.7	4.5	4.6	4.9	5.0	5.0	4.8
72.5°	7.2	7.5	8.0	8.8	9.0	9.2	8.8	8.1	7.3	6.5	5.8
70°	10.5	11.1	12.6	14.8	16.3	17.0	16.8	15.4	12.7	10.8	9.2
67.5°	13.1	13.8	15.9	19.0	21.4	23.4	25.7	27.0	26.1	23.2	16.4
65°	13.9	15.5	17.3	18.8	21.2	24.9	31.6	35.2	36.5	35.6	28.1
62.5°	11.4	13.1	14.2	15.7	17.6	21.8	31.2	38.6	44.1	43.7	35.1
60°	9.5	10.4	11.2	12.2	13.5	18.1	27.1	37.4	49.0	45.6	38.5
57.5°	8.7	9.2	9.8	10.2	10.4	14.1	21.2	30.9	41.9	41.2	37.5
55°	8.8	9.4	10.0	10.3	10.5	12.4	15.4	21.5	30.1	32.3	30.8
52.5°	10.3	10.4	10.8	11.4	11.7	12.2	13.4	16.8	19.3	22.4	24.1
50°	11.8	11.8	11.7	11.8	12.3	12.7	13.2	14.4	16.0	17.1	17.7
47.5°	14.6	14.4	13.5	13.2	14.0	13.5	13.7	13.9	15.2	15.8	15.8
45°	24.9	23.8	18.3	18.7	18.8	18.2	16.1	17.4	16.5	16.3	16.3
42.5°	61.5	47.7	42.5	34.6	29.3	27.5	24.8	24.8	23.4	19.4	19.5
40°	93.4	76.5	65.7	59.8	49.9	41.9	42.7	35.4	33.2	28.9	27.7
37.5°	109.5	84.5	96.4	91.7	78.7	76.1	75.2	61.5	44.8	53.1	51.0
35°	163.4	154.2	164.4	157.7	129.5	152.5	137.9	106.9	88.0	93.0	85.3
32.5°	333.2	326.8	304.2	280.9	274.3	273.3	248.1	189.9	174.8	162.2	137.6
30°	626.1	580.2	524.5	493.3	482.5	442.8	396.2	405.4	332.9	252.5	207.3
27.5°	1080.3	914.6	833.7	868.0	760.3	671.8	714.1	753.7	562.3	410.3	306.7
25°	1665.5	1425.8	1412.1	1411.7	1247.5	1086.3	1155.0	1159.6	970.6	621.9	442.2
22.5°	2325.3	2087.4	1996.7	2096.1	1905.5	1760.9	1675.4	1613.5	1471.6	1010.7	686.3
20°	2881.2	2671.9	2517.8	2522.2	2550.6	2431.7	2258.5	2093.6	1900.7	1516.9	996.9
17.5°	3547.8	3167.9	2909.4	2852.6	2972.3	2982.7	2772.4	2516.1	2315.5	2039.8	1352.5
15°	4595.7	3645.5	3258.3	3131.3	3202.9	3264.6	3170.9	2906.6	2710.2	2482.1	1765.9
12.5°	7325.3	4095.7	3551.8	3250.2	3238.5	3400.3	3437.1	3270.3	3017.3	2694.8	2056.6
10°	9852.6	5149.3	3840.0	3428.7	3297.6	3439.3	3540.0	3348.6	3069.3	2802.3	2305.7
7.5°	15315.4	6819.6	4123.1	3575.6	3344.1	3384.1	3469.9	3292.5	3085.5	2876.3	2513.0
5°	19176.3	8047.7	4302.0	3672.1	3375.8	3367.3	3424.6	3194.7	3073.2	2923.4	2677.8
2.5°	21351.2	8676.4	4402.9	3739.1	3402.9	3387.9	3421.9	3133.5	3049.7	2909.0	2703.7
0°	20484.6	8061.2	4354.8	3752.4	3423.0	3436.4	3458.6	3120.3	3022.4	2877.0	2690.0
-2.5°	20991.9	8518.7	4408.0	3751.6	3439.7	3447.3	3629.5	3266.6	3104.0	2908.7	2663.4
-5°	18377.7	7671.2	4224.4	3611.6	3349.8	3382.6	3588.6	3309.7	3110.4	2904.7	2595.1
-7.5°	14252.1	6438.7	3971.7	3438.8	3230.4	3288.8	3426.4	3221.6	2974.9	2782.5	2432.0
-10°	9085.6	4920.6	3666.7	3261.7	3117.4	3203.7	3294.6	3091.6	2832.3	2656.3	2243.6
-12.5°	6357.3	3906.1	3349.9	3067.0	3026.6	3182.3	3225.3	2948.1	2683.9	2529.1	2037.1
-15°	4188.0	3475.0	3146.3	2988.2	2997.8	3143.6	3176.2	2928.2	2711.0	2459.6	1818.8
-17.5°	3561.7	3169.1	2978.5	2958.8	3042.6	3119.9	3131.9	2983.8	2769.6	2415.7	1624.0
-20°	3210.9	3006.9	2982.3	3013.5	3101.1	3160.1	3153.2	3057.6	2796.1	2192.9	1406.7



REPORT NUMBER: P701579 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3021.7	3062.1	3119.4	3157.0	3150.8	3166.6	3146.5	3059.8	2792.8	1883.2	1160.4
-25°	3146.3	3289.7	3426.5	3442.2	3291.3	3173.6	3145.8	2978.7	2395.4	1550.5	926.2
-27.5°	3508.5	3708.9	3858.9	3795.1	3572.7	3279.4	3099.2	2812.6	1919.4	1232.2	905.1
-30°	4010.3	4103.1	4178.7	4134.1	3817.0	3470.9	3083.9	2252.7	1509.4	972.2	882.1
-32.5°	4352.1	4331.2	4334.5	4263.9	3978.6	3555.5	2618.5	1706.4	1102.6	943.7	877.2
-35°	4493.2	4356.1	4253.6	4138.7	4007.2	2971.3	1988.0	1270.5	996.8	919.8	876.2
-37.5°	4426.2	4183.3	4005.0	3766.4	3015.5	2154.7	1388.2	1074.7	970.5	915.6	871.6
-40°	4127.2	3865.6	3288.8	2663.4	2028.7	1361.8	1150.0	1049.5	980.7	909.3	865.1
-42.5°	3333.1	2798.3	2253.9	1724.6	1281.9	1201.8	1126.4	1059.6	990.9	919.2	827.6
-45°	2243.1	1795.0	1379.5	1296.5	1218.9	1172.1	1134.0	1071.0	1002.1	892.9	782.5
-47.5°	1449.0	1369.4	1291.9	1242.4	1204.8	1167.8	1133.0	1080.0	957.0	842.9	733.4
-50°	1348.6	1308.4	1270.1	1234.1	1199.0	1164.4	1093.8	1003.4	887.5	777.1	674.1
-52.5°	1327.3	1291.6	1258.0	1225.0	1158.0	1078.0	994.7	904.3	803.1	699.3	603.0
-55°	1312.7	1252.0	1186.5	1118.6	1046.6	965.6	882.7	795.5	704.2	610.2	521.3
-57.5°	1183.6	1120.7	1052.9	985.1	917.9	837.5	753.9	672.9	596.8	513.8	435.1
-60°	1014.7	956.1	893.4	827.5	758.7	686.7	616.9	548.9	483.1	422.5	361.6
-62.5°	825.6	771.6	715.6	657.7	598.0	537.2	482.2	434.2	386.5	336.1	279.6
-65°	632.6	587.2	539.1	495.1	452.1	410.2	369.2	327.2	284.1	239.7	192.5
-67.5°	452.7	418.2	384.3	352.0	320.1	286.3	250.8	214.4	184.2	155.8	124.2
-70°	292.3	268.0	243.3	217.4	194.4	172.9	150.8	127.9	104.1	88.7	76.1
-72.5°	163.7	149.8	134.7	118.4	100.8	90.2	82.2	73.8	64.4	54.0	46.0
-75°	84.1	78.6	72.8	66.8	60.5	54.0	50.0	46.8	43.7	40.8	38.0
-77.5°	50.2	48.3	46.3	44.5	42.5	40.4	38.2	36.2	34.6	33.0	31.2
-80°	37.6	36.4	35.2	34.1	33.0	31.8	30.6	29.3	27.9	26.6	25.3
-82.5°	28.9	28.3	27.6	26.6	25.6	24.5	23.3	22.5	21.7	20.9	20.2
-85°	21.7	21.4	21.2	20.3	19.4	18.5	17.7	17.4	17.2	16.9	16.7
-87.5°	17.0	16.6	16.2	15.8	15.4	14.9	14.5	14.4	14.3	14.1	13.9
-90°	0.0	0.0	0.0	0.4	0.8	1.1	1.5	1.5	1.5	1.5	1.5



REPORT NUMBER: P701579 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	11.5	11.2	10.8	10.4	10.4	10.4	10.4	10.4	9.7	8.9	8.2
87.5°	1.8	2.0	2.2	2.4	2.5	2.6	2.8	3.0	3.1	3.3	3.3
85°	2.3	2.5	2.7	3.0	3.0	3.0	3.0	3.0	3.3	3.5	3.7
82.5°	3.0	2.9	2.9	3.0	3.2	3.4	3.4	3.4	3.6	3.8	4.0
80°	3.3	3.5	3.5	3.5	3.6	3.8	4.0	4.1	4.2	4.3	4.4
77.5°	3.8	4.0	4.2	4.3	4.2	4.2	4.3	4.6	4.8	4.8	4.9
75°	4.5	4.4	4.4	4.6	4.6	4.5	4.4	4.6	4.9	5.3	5.3
72.5°	5.5	5.1	4.8	4.7	4.9	4.9	4.7	4.6	5.0	5.3	5.7
70°	7.5	6.2	5.6	5.3	5.3	5.4	5.3	5.1	5.0	5.4	5.7
67.5°	10.4	8.6	7.1	6.1	5.7	5.6	5.8	5.8	5.6	5.4	5.7
65°	20.0	13.5	8.8	7.5	6.5	5.9	5.9	6.2	6.2	5.9	5.8
62.5°	27.4	20.4	14.1	9.6	7.5	6.5	6.0	6.5	6.7	6.4	6.1
60°	32.4	24.6	18.9	13.8	9.6	7.3	6.6	6.7	7.0	6.9	6.5
57.5°	31.1	26.9	22.7	17.5	12.5	8.7	7.4	7.3	7.4	7.4	7.0
55°	27.3	23.9	24.8	21.1	15.3	10.6	8.6	8.0	7.9	7.8	7.4
52.5°	22.4	22.5	24.5	23.6	18.7	12.7	10.4	8.8	8.5	8.3	7.9
50°	18.1	21.4	24.3	25.1	21.9	16.4	12.0	10.1	9.2	8.8	8.4
47.5°	16.4	20.3	23.4	26.5	24.6	19.9	14.7	11.5	9.8	9.4	8.9
45°	18.2	19.8	22.8	25.7	27.5	22.7	17.7	12.8	10.9	10.0	9.5
42.5°	21.9	22.2	23.1	25.0	27.3	24.9	20.5	15.1	11.9	10.5	10.0
40°	27.5	26.9	24.8	26.9	27.3	26.8	22.4	17.4	12.9	11.2	10.5
37.5°	34.9	33.3	30.1	32.0	29.2	27.5	23.9	19.6	14.3	12.1	10.9
35°	63.0	41.8	47.0	44.4	36.3	28.8	25.1	21.3	16.4	13.1	11.4
32.5°	99.1	78.5	82.9	65.3	46.0	30.8	26.5	23.1	18.4	14.1	11.8
30°	166.4	164.8	137.4	91.8	61.0	39.8	29.2	25.2	20.3	15.1	12.4
27.5°	280.3	269.7	212.6	142.3	86.6	51.6	33.8	27.7	22.2	16.3	13.2
25°	397.3	378.7	314.4	210.9	115.8	80.3	39.1	30.5	24.1	17.8	13.9
22.5°	523.1	484.1	428.6	290.8	165.4	118.5	53.6	34.7	26.2	19.2	14.7
20°	646.9	588.2	543.9	359.4	227.0	162.7	81.1	39.3	28.4	20.6	15.5
17.5°	795.6	671.4	589.5	427.1	288.7	207.3	113.5	44.2	30.7	21.8	16.2
15°	1028.7	726.8	629.8	486.8	342.2	252.0	149.8	49.2	33.1	22.9	16.8
12.5°	1240.9	778.3	669.6	538.6	388.2	296.3	188.5	54.4	35.5	24.0	17.4
10°	1439.6	825.6	708.3	582.9	427.6	339.8	228.5	59.5	37.6	25.0	17.9
7.5°	1619.6	868.7	745.1	620.2	457.9	367.5	253.2	64.4	39.7	26.0	18.3
5°	1755.2	900.4	772.7	637.0	465.6	377.0	271.8	69.1	41.5	26.8	18.7
2.5°	1768.1	916.4	793.4	646.1	470.7	383.5	285.9	73.4	43.1	27.6	19.0
0°	1741.9	927.3	810.1	649.9	473.3	387.3	295.3	77.2	44.5	28.2	19.3
-2.5°	1717.0	927.7	811.6	661.4	494.6	398.6	305.7	99.3	58.7	36.2	23.0
-5°	1661.1	924.0	808.9	668.4	512.8	407.6	311.9	120.2	72.4	43.8	26.5
-7.5°	1566.2	906.3	797.3	670.4	526.9	414.5	314.8	139.7	85.1	51.0	29.8
-10°	1439.7	878.6	774.8	659.9	533.5	423.5	315.9	157.1	96.5	57.4	32.7
-12.5°	1285.0	847.9	751.9	649.5	537.7	434.1	318.9	171.8	106.5	62.8	35.3
-15°	1103.4	814.5	729.6	640.5	540.7	442.7	318.9	183.8	115.6	68.1	37.3
-17.5°	902.5	778.9	709.2	634.2	543.0	449.2	316.3	193.1	123.0	73.2	39.6
-20°	860.6	762.4	692.0	631.7	544.9	453.8	311.2	199.5	128.5	76.9	41.8



REPORT NUMBER: P701579 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	846.8	764.1	697.5	629.7	546.6	456.4	303.9	202.7	132.1	79.2	43.1
-25°	830.5	767.4	705.8	629.3	546.4	443.6	300.5	202.5	133.6	79.9	43.4
-27.5°	827.5	772.9	713.4	623.2	537.0	428.9	299.1	203.5	133.5	79.0	42.5
-30°	832.8	779.2	705.9	610.8	523.4	404.7	293.3	201.9	132.2	77.6	40.5
-32.5°	834.8	785.0	687.8	592.7	497.5	379.4	279.9	197.3	128.6	75.3	39.5
-35°	831.6	764.9	662.7	569.6	466.9	359.3	264.1	189.8	122.5	71.2	38.3
-37.5°	824.5	728.8	632.7	539.2	435.7	336.2	249.8	177.7	114.0	65.4	36.3
-40°	783.4	690.6	598.0	504.6	406.2	310.1	232.8	163.6	105.1	57.9	33.6
-42.5°	740.2	649.2	558.5	469.0	374.5	288.2	213.2	146.9	93.7	52.3	30.1
-45°	691.5	603.2	514.7	426.9	340.9	263.3	191.7	128.3	80.3	47.4	27.2
-47.5°	638.1	551.6	464.9	380.3	309.2	235.4	167.1	111.4	65.6	41.4	26.1
-50°	578.3	493.3	408.9	337.0	271.7	204.2	141.2	92.5	57.3	34.3	24.8
-52.5°	511.9	426.8	356.5	293.7	230.6	169.8	117.5	72.9	48.1	30.7	23.3
-55°	436.0	366.8	307.1	245.6	186.2	137.9	91.7	61.1	38.1	28.6	21.7
-57.5°	370.7	311.0	250.7	192.8	145.7	104.9	72.3	48.4	33.7	26.4	20.5
-60°	303.3	244.3	188.8	146.1	107.5	77.9	56.4	38.1	30.8	24.2	19.3
-62.5°	225.2	176.1	138.3	102.3	77.3	58.3	41.9	34.5	27.6	22.7	18.0
-65°	156.0	121.4	90.2	72.5	55.1	42.0	37.2	30.6	25.6	21.1	16.9
-67.5°	94.0	78.7	63.1	47.5	41.0	36.8	32.2	28.0	23.8	19.5	16.2
-70°	62.8	49.3	42.7	39.2	35.5	31.8	29.2	26.0	21.9	18.5	15.5
-72.5°	42.8	39.7	36.6	33.5	30.8	28.5	26.4	23.8	20.4	17.3	14.7
-75°	35.4	33.2	31.0	28.8	26.8	25.0	23.7	21.8	18.8	16.1	13.6
-77.5°	29.5	27.6	25.7	24.3	23.3	22.2	21.0	19.6	17.1	14.7	12.4
-80°	24.1	23.0	22.0	21.0	20.1	19.3	18.6	17.7	15.5	13.3	11.1
-82.5°	19.5	19.0	18.5	18.0	17.5	17.0	16.5	15.9	13.9	11.9	10.1
-85°	16.4	16.1	15.8	15.5	15.1	14.8	14.5	14.1	12.4	10.9	9.5
-87.5°	13.7	13.5	13.2	12.9	12.8	12.6	12.4	12.3	11.0	9.9	8.8
-90°	1.5	1.5	1.5	1.5	1.9	2.3	2.6	3.0	3.0	3.0	3.0



REPORT NUMBER: P701579 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.4	6.7	6.0	5.2	4.5	4.5	4.5
87.5°	3.4	3.6	3.9	4.2	4.5	4.5	4.5
85°	3.8	3.9	4.0	4.2	4.5	4.6	4.5
82.5°	4.2	4.1	4.1	4.3	4.5	4.6	4.5
80°	4.5	4.3	4.3	4.3	4.5	4.6	4.5
77.5°	4.9	4.6	4.4	4.4	4.5	4.7	4.5
75°	5.3	4.9	4.5	4.4	4.5	4.7	4.5
72.5°	5.6	5.2	4.8	4.5	4.5	4.7	4.5
70°	5.9	5.5	5.0	4.5	4.6	4.8	4.5
67.5°	5.9	5.8	5.2	4.7	4.6	4.8	4.5
65°	6.0	6.0	5.5	4.9	4.6	4.8	4.5
62.5°	6.1	6.1	5.7	5.0	4.6	4.9	4.5
60°	6.2	6.2	5.9	5.2	4.7	4.9	4.5
57.5°	6.5	6.3	6.0	5.4	4.8	4.9	4.5
55°	6.9	6.5	6.2	5.5	5.0	5.0	4.5
52.5°	7.3	6.7	6.4	5.7	5.1	5.0	4.5
50°	7.7	7.0	6.5	5.8	5.2	5.1	4.5
47.5°	8.0	7.3	6.7	5.9	5.4	5.1	4.5
45°	8.5	7.6	6.9	6.1	5.5	5.1	4.5
42.5°	9.0	7.9	7.1	6.2	5.6	5.2	4.5
40°	9.5	8.2	7.3	6.4	5.8	5.2	4.5
37.5°	10.0	8.4	7.5	6.6	5.9	5.3	4.5
35°	10.5	8.8	7.7	6.8	6.0	5.3	4.5
32.5°	11.0	9.2	7.9	7.0	6.1	5.4	4.5
30°	11.4	9.6	8.1	7.2	6.3	5.4	4.5
27.5°	11.7	10.0	8.3	7.3	6.4	5.5	4.5
25°	12.1	10.4	8.6	7.5	6.5	5.5	4.5
22.5°	12.4	10.8	8.8	7.7	6.6	5.5	4.5
20°	12.8	11.0	9.0	7.9	6.7	5.6	4.5
17.5°	13.1	11.3	9.2	8.0	6.8	5.6	4.5
15°	13.3	11.5	9.4	8.2	6.9	5.7	4.5
12.5°	13.6	11.6	9.6	8.3	7.0	5.7	4.5
10°	13.9	11.7	9.8	8.4	7.1	5.8	4.5
7.5°	14.1	11.8	10.0	8.6	7.2	5.8	4.5
5°	14.4	11.9	10.1	8.7	7.3	5.8	4.5
2.5°	14.6	11.9	10.3	8.8	7.3	5.9	4.5
0°	14.8	11.9	10.4	8.9	7.4	5.9	4.5
-2.5°	16.2	12.5	10.7	9.0	7.5	5.9	4.5
-5°	17.5	13.2	10.9	9.1	7.5	6.0	4.5
-7.5°	18.7	13.7	11.1	9.2	7.6	6.0	4.5
-10°	19.8	14.3	11.3	9.2	7.6	6.0	4.5
-12.5°	20.8	14.8	11.5	9.3	7.7	6.0	4.5
-15°	21.7	15.2	11.7	9.3	7.7	6.0	4.5
-17.5°	22.4	15.5	11.8	9.4	7.7	6.1	4.5
-20°	23.1	15.8	11.9	9.4	7.7	6.1	4.5



REPORT NUMBER: P701579 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	23.9	16.0	11.9	9.4	7.7	6.1	4.5
-25°	24.3	16.1	11.9	9.4	7.8	6.1	4.5
-27.5°	24.2	16.2	11.9	9.4	7.8	6.0	4.5
-30°	23.7	16.2	11.8	9.4	7.7	6.0	4.5
-32.5°	22.7	16.1	11.8	9.4	7.7	6.0	4.5
-35°	22.2	15.9	11.7	9.4	7.7	6.0	4.5
-37.5°	21.9	15.6	11.6	9.3	7.7	6.0	4.5
-40°	21.4	15.5	11.5	9.3	7.7	5.9	4.5
-42.5°	20.8	15.2	11.4	9.3	7.6	5.9	4.5
-45°	20.0	14.9	11.3	9.2	7.6	5.9	4.5
-47.5°	19.1	14.5	11.3	9.2	7.5	5.8	4.5
-50°	18.4	14.0	11.2	9.1	7.5	5.8	4.5
-52.5°	17.7	13.5	11.1	9.0	7.4	5.7	4.5
-55°	16.9	13.2	10.9	8.9	7.3	5.7	4.5
-57.5°	16.0	12.9	10.7	8.8	7.3	5.6	4.5
-60°	15.1	12.7	10.5	8.6	7.2	5.5	4.5
-62.5°	14.7	12.4	10.2	8.4	7.0	5.5	4.5
-65°	14.2	12.0	9.9	8.2	6.8	5.4	4.5
-67.5°	13.7	11.5	9.5	8.0	6.6	5.3	4.5
-70°	13.1	10.9	9.1	7.8	6.4	5.2	4.5
-72.5°	12.2	10.2	8.6	7.5	6.2	5.1	4.5
-75°	11.2	9.5	8.2	7.2	6.0	5.0	4.5
-77.5°	10.1	8.8	7.8	6.8	5.7	5.0	4.5
-80°	9.0	8.2	7.4	6.5	5.5	4.9	4.5
-82.5°	8.5	7.9	7.1	6.2	5.3	4.8	4.5
-85°	8.2	7.5	6.7	5.9	5.0	4.7	4.5
-87.5°	7.8	7.1	6.3	5.6	4.8	4.6	4.5
-90°	3.0	3.4	3.8	4.1	4.5	4.5	4.5

(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

