

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: P701444 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-80-3S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701444 (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-08-0320L-57-80-3S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

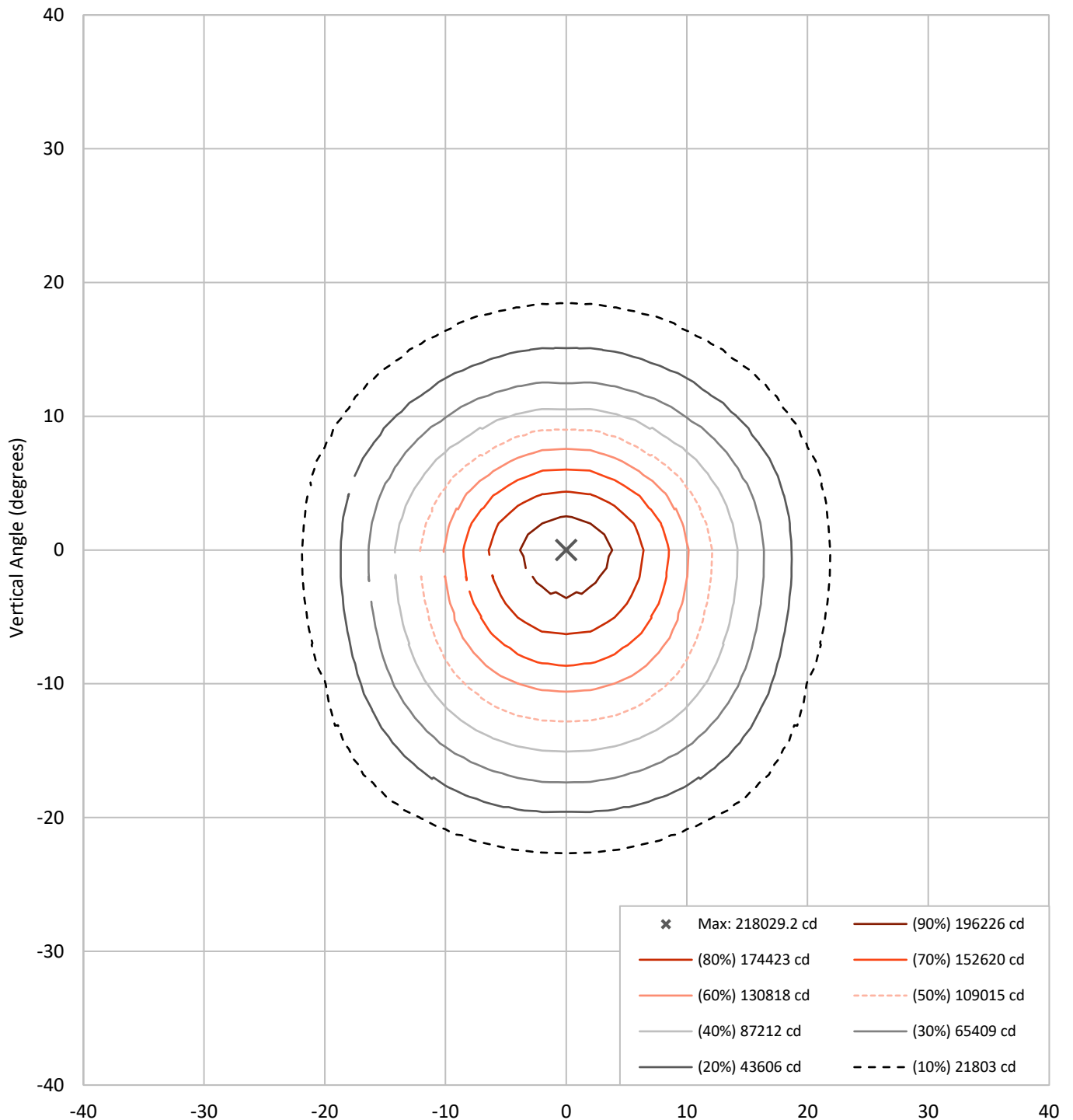
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	43036.3 lumens	Max Intensity:	218029.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	125.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.2°H x 21.8°V	Field Angle (10%):	43.8°H x 40.9°V
Beam Lumens:	19500.4 lumens	Field Lumens:	36902.9 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%

Input Watts (W): 344.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





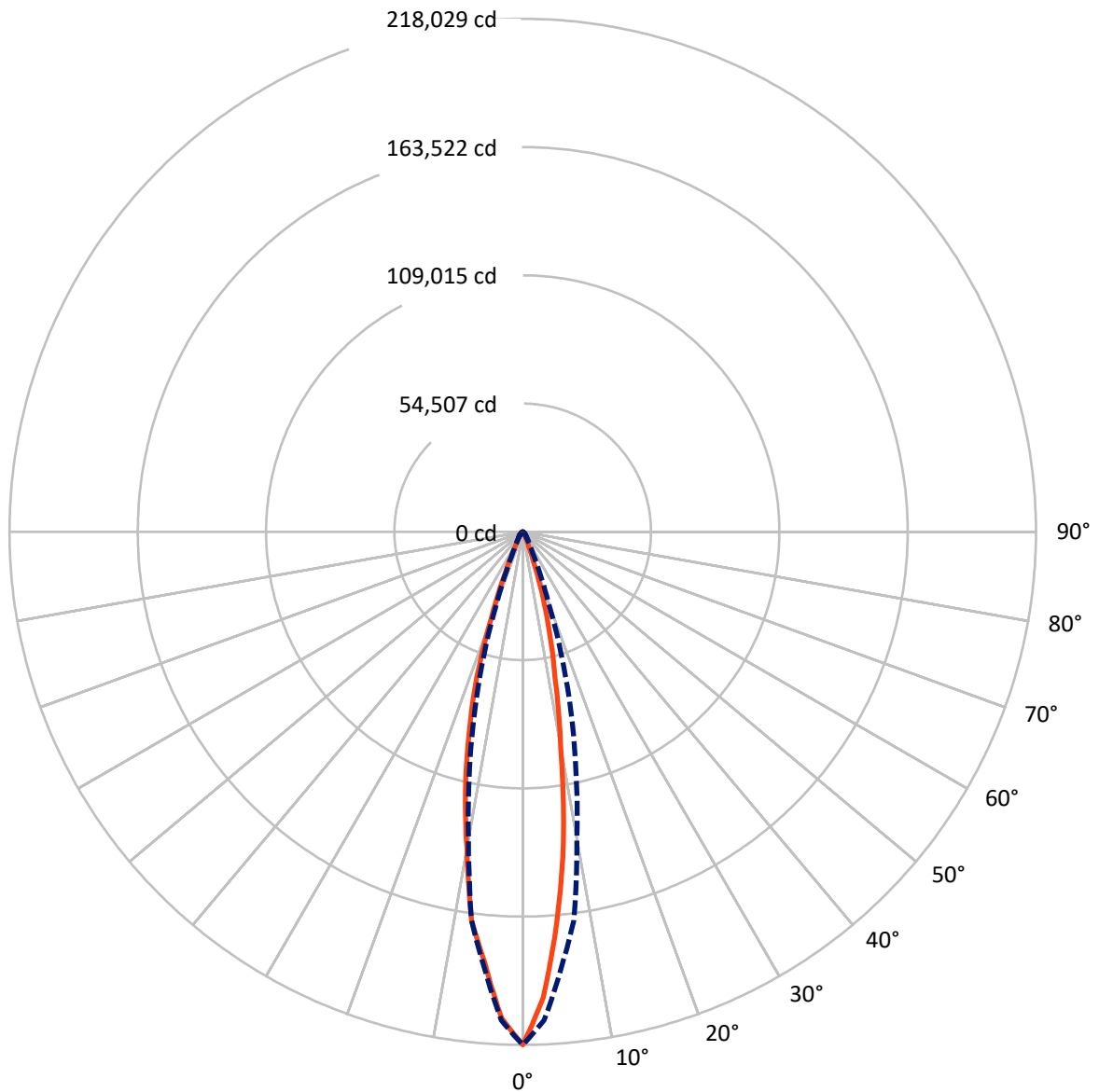
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Lumen Table

90	0.1		0.3		0.4		0.4		0.3		0.4		0.4		0.3		0.1		
80	0.1		0.3		0.4		0.4		0.3		0.4		0.4		0.3		0.1		
70	0.1	0.1	0.1	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.1	0.1	0.1			
60		0.1	0.2	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.2	0.1				
50	0.1	0.1	0.3	0.3	0.4	0.5	0.7	0.8	0.8	0.7	0.5	0.4	0.3	0.3	0.1	0.1			
40		0.1	0.5	1.2	2.3	3.6	4.6	5.6	5.6	4.6	3.6	2.3	1.2	0.5	0.1				
30	0.2	0.3	1.8	5.7	15.0	25.8	59.2	123.6	123.6	59.2	25.8	15.0	5.7	1.8	0.3	0.2			
20		0.6	4.2	15.2	37.7	103.3	543.1	1275.1	1275.1	543.1	103.3	37.7	15.2	4.2	0.6				
10	0.2	1.1	7.5	28.6	69.0	311.1	1874.6	4288.4	4288.4	1874.6	311.1	69.0	28.6	7.5	1.1	0.2			
0		1.9	9.9	34.5	79.2	335.7	2163.3	4875.0	4875.0	2163.3	335.7	79.2	34.5	9.9	1.9				
-10	0.4	2.2	10.1	32.8	72.7	195.7	1106.2	2421.9	2421.9	1106.2	195.7	72.7	32.8	10.1	2.2	0.4			
-20		2.1	8.4	21.5	50.1	88.3	202.8	413.2	413.2	202.8	88.3	50.1	21.5	8.4	2.1				
-30	0.3	1.8	6.1	13.2	29.1	51.9	71.8	86.9	86.9	71.8	51.9	29.1	13.2	6.1	1.8	0.3			
-40		1.2	4.2	9.2	16.7	28.7	46.6	60.6	60.6	46.6	28.7	16.7	9.2	4.2	1.2				
-50	0.2	0.6	2.6	6.1	10.9	16.4	21.3	24.5	24.5	21.3	16.4	10.9	6.1	2.6	0.6	0.2			
-60		0.2	1.0	3.1	6.1	9.8	13.5	15.8	15.8	13.5	9.8	6.1	3.1	1.0	0.2				
-70	0.1	0.6		2.1		5.9		8.5		5.9		2.1		0.6		0.1			
-80		0.6		2.1		5.9		8.5		5.9		2.1		0.6					
-90	0.1		0.6		2.1		5.9		8.5		5.9		2.1		0.6		0.1		

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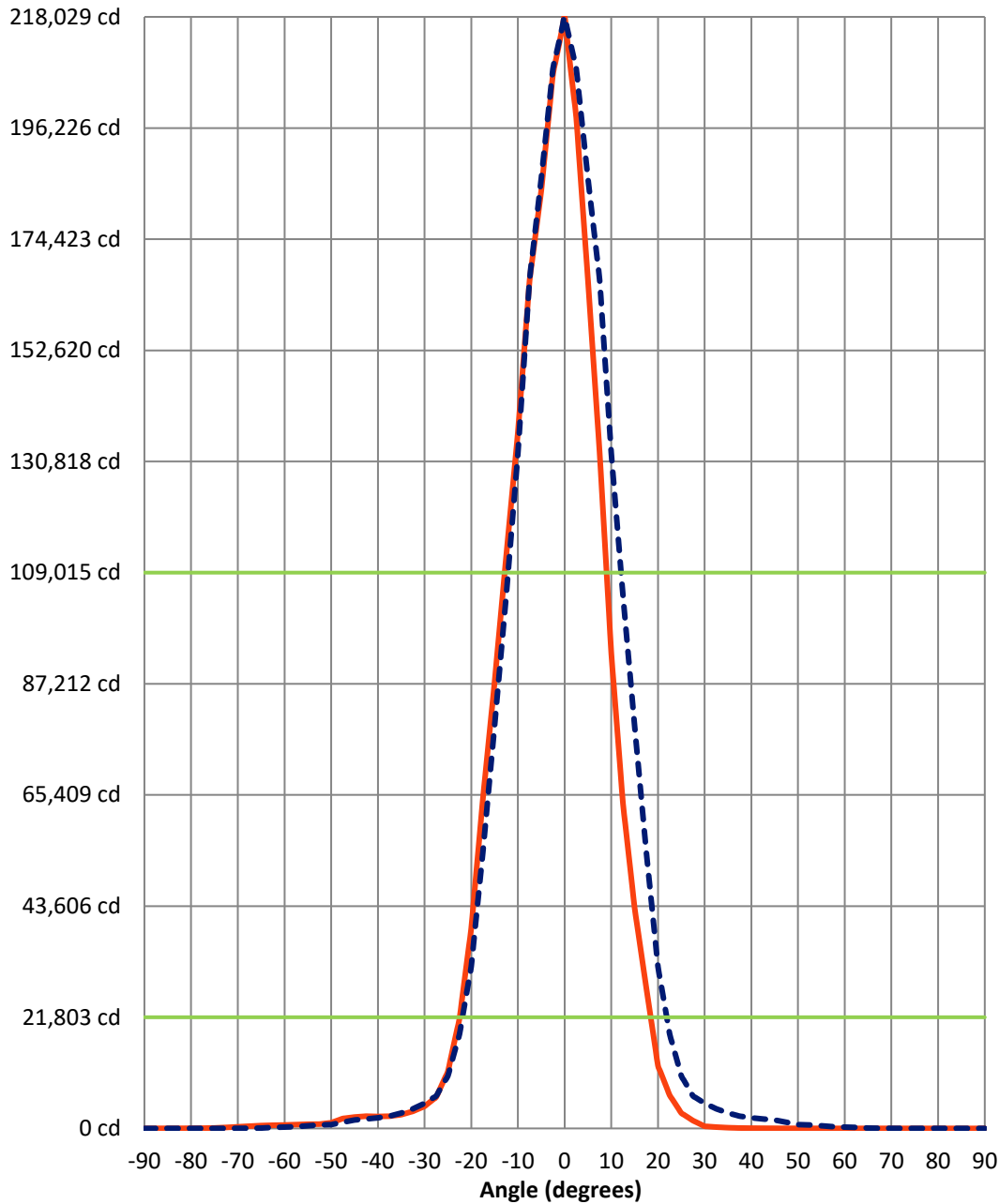
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 24.2°
V Angle: 21.8°
Lumens: 19500.4
Efficiency: 45.3%

Field:
H Angle: 43.8°
V Angle: 40.9°
Lumens: 36902.9
Efficiency: 85.7%

Spill:
Lumens: 6133.5
Efficiency: 14.3%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.9	6.2	6.4	6.7
87.5°	5.6	5.6	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.6	5.6
85°	5.6	5.6	5.8	5.8	5.8	5.7	5.6	5.6	5.6	5.6	5.6
82.5°	5.6	5.7	5.9	5.9	5.9	5.8	5.6	5.6	5.6	5.6	5.6
80°	5.6	5.7	6.0	6.0	6.0	5.9	5.7	5.8	5.8	5.8	5.6
77.5°	5.6	5.7	6.1	6.1	6.1	6.0	5.9	6.0	6.0	5.9	5.7
75°	5.6	5.7	6.1	6.3	6.2	6.1	6.2	6.3	6.2	6.0	5.7
72.5°	5.6	5.8	6.2	6.4	6.3	6.3	6.5	6.5	6.2	6.0	5.7
70°	5.6	5.8	6.3	6.5	6.4	6.5	6.7	6.5	6.3	6.0	5.7
67.5°	5.6	5.8	6.4	6.5	6.5	6.6	6.7	6.6	6.3	6.0	5.8
65°	5.6	5.8	6.4	6.6	6.6	6.7	6.7	6.6	6.3	6.1	5.9
62.5°	5.6	5.8	6.5	6.6	6.6	6.7	6.7	6.6	6.4	6.2	6.3
60°	5.6	5.8	6.6	6.6	6.7	6.7	6.7	6.7	6.4	6.4	6.6
57.5°	5.6	5.8	6.5	6.6	6.7	6.7	6.7	6.7	6.5	6.6	6.7
55°	5.6	5.9	6.5	6.7	6.7	6.7	6.7	6.7	6.6	6.7	6.7
52.5°	5.6	5.9	6.5	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
50°	5.6	5.9	6.5	6.7	6.7	6.7	6.7	6.8	6.7	6.7	7.2
47.5°	5.6	5.9	6.5	6.7	6.7	6.7	6.7	6.9	6.7	6.7	7.7
45°	5.6	5.9	6.5	6.7	6.7	6.7	6.8	7.0	6.8	7.1	8.2
42.5°	5.6	5.9	6.5	6.7	6.7	6.7	6.9	7.1	6.8	7.4	8.6
40°	5.6	5.9	6.5	6.7	6.7	6.7	7.1	7.1	7.0	7.7	8.9
37.5°	5.6	5.9	6.5	6.7	6.7	6.7	7.2	7.2	7.4	8.1	9.1
35°	5.6	5.9	6.5	6.7	6.7	6.8	7.4	7.3	7.7	8.5	9.1
32.5°	5.6	5.8	6.5	6.7	6.7	6.9	7.5	7.3	8.0	9.0	9.9
30°	5.6	5.8	6.6	6.7	6.7	7.0	7.6	7.5	8.3	9.6	10.9
27.5°	5.6	5.8	6.6	6.7	6.7	7.2	7.7	7.7	8.6	10.3	12.1
25°	5.6	5.8	6.6	6.7	6.7	7.3	7.7	8.0	9.1	11.1	13.7
22.5°	5.6	5.8	6.6	6.7	6.7	7.4	7.8	8.2	9.7	12.3	16.7
20°	5.6	5.8	6.6	6.7	6.7	7.5	7.9	8.4	10.2	13.5	19.5
17.5°	5.6	5.8	6.6	6.7	6.7	7.6	8.0	8.6	10.7	14.8	22.3
15°	5.6	5.7	6.6	6.7	6.7	7.7	8.1	8.8	11.3	16.1	25.0
12.5°	5.6	5.7	6.7	6.7	6.7	7.8	8.2	9.1	12.2	17.5	27.5
10°	5.6	5.7	6.7	6.7	6.7	7.8	8.4	9.3	13.6	20.2	31.9
7.5°	5.6	5.7	6.7	6.7	6.7	7.8	8.5	9.5	15.0	23.1	40.8
5°	5.6	5.6	6.7	6.7	6.7	7.9	8.7	9.7	16.4	26.0	50.2
2.5°	5.6	5.6	6.7	6.7	6.7	7.9	8.8	9.9	17.8	28.8	59.5
0°	5.6	5.6	6.7	6.7	6.7	7.9	9.0	10.1	19.1	31.4	68.5
-2.5°	5.6	5.6	6.7	6.7	6.7	7.9	9.9	13.4	25.3	41.7	83.3
-5°	5.6	5.6	6.7	6.7	6.7	7.9	10.7	16.6	31.3	51.6	97.0
-7.5°	5.6	5.6	6.7	6.7	6.7	7.8	11.5	19.6	36.9	60.9	109.5
-10°	5.6	5.6	6.7	6.7	6.7	7.8	12.1	22.3	41.9	69.3	120.6
-12.5°	5.6	5.6	6.6	6.7	6.7	7.8	12.6	24.6	46.3	76.7	128.3
-15°	5.6	5.6	6.6	6.7	6.7	7.7	13.0	26.4	50.2	82.6	133.6
-17.5°	5.6	5.6	6.6	6.7	6.7	7.6	13.1	28.0	53.7	87.6	137.5
-20°	5.6	5.6	6.6	6.7	6.7	7.5	13.3	29.4	56.3	91.6	139.7



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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.6	5.6	6.5	6.7	6.7	7.4	13.7	30.2	57.8	94.5	140.2
-25°	5.6	5.6	6.5	6.7	6.7	7.6	13.7	30.2	58.2	96.2	139.0
-27.5°	5.6	5.6	6.5	6.7	6.7	7.7	13.4	29.4	57.5	96.7	140.3
-30°	5.6	5.6	6.4	6.7	6.7	7.8	12.6	27.8	56.3	95.7	140.3
-32.5°	5.6	5.6	6.4	6.7	6.8	7.8	11.3	26.6	54.4	93.1	138.6
-35°	5.6	5.6	6.3	6.7	6.9	7.7	10.9	25.2	51.3	88.8	135.4
-37.5°	5.6	5.6	6.2	6.7	7.0	7.6	10.8	23.0	46.9	82.9	125.4
-40°	5.6	5.6	6.2	6.7	7.0	7.7	10.5	20.3	41.4	76.4	113.9
-42.5°	5.6	5.6	6.1	6.7	7.1	7.8	10.1	16.8	36.6	67.3	101.6
-45°	5.6	5.6	6.1	6.7	7.1	7.8	9.6	14.2	31.8	57.1	88.8
-47.5°	5.6	5.6	6.0	6.8	7.2	7.9	8.9	13.3	26.1	46.3	76.5
-50°	5.6	5.6	5.9	6.7	7.2	7.9	8.8	12.3	19.4	38.6	63.3
-52.5°	5.6	5.6	5.8	6.6	7.2	7.9	8.8	11.1	16.2	30.3	49.8
-55°	5.6	5.6	5.8	6.5	7.2	7.8	8.7	9.9	14.5	21.5	39.7
-57.5°	5.6	5.6	5.7	6.4	7.2	7.8	8.6	9.8	12.5	17.6	29.0
-60°	5.6	5.6	5.6	6.3	7.1	7.7	8.5	9.6	10.8	15.1	20.5
-62.5°	5.6	5.6	5.6	6.2	7.0	7.6	8.4	9.3	10.4	12.5	17.3
-65°	5.6	5.6	5.6	6.1	6.8	7.5	8.2	9.0	10.0	11.3	13.9
-67.5°	5.6	5.6	5.6	6.0	6.7	7.4	8.0	8.7	9.4	10.6	12.1
-70°	5.6	5.6	5.6	5.9	6.5	7.2	7.8	8.4	8.9	9.7	11.0
-72.5°	5.6	5.6	5.6	5.8	6.3	6.9	7.6	8.0	8.5	9.1	9.8
-75°	5.6	5.6	5.6	5.8	6.1	6.7	7.3	7.6	7.9	8.4	9.0
-77.5°	5.6	5.6	5.6	5.8	6.1	6.5	7.0	7.3	7.5	7.8	8.1
-80°	5.6	5.6	5.6	5.7	6.0	6.3	6.7	6.9	7.1	7.3	7.5
-82.5°	5.6	5.6	5.6	5.7	5.9	6.1	6.4	6.6	6.7	6.9	7.0
-85°	5.6	5.6	5.6	5.7	5.8	6.0	6.2	6.4	6.5	6.6	6.7
-87.5°	5.6	5.6	5.6	5.6	5.7	5.8	5.9	6.1	6.3	6.5	6.7
-90°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6.4	6.2	5.9	5.6	5.6	5.6	5.6	5.6	5.3	5.1	4.8
87.5°	5.3	5.1	4.8	4.5	4.5	4.5	4.5	4.5	4.2	4.0	3.7
85°	5.3	5.1	4.8	4.7	4.7	4.7	4.6	4.5	4.2	4.0	3.7
82.5°	5.4	5.3	5.3	5.3	5.2	5.0	4.8	4.5	4.3	4.0	3.7
80°	5.6	5.6	5.6	5.6	5.4	5.1	4.8	4.5	4.3	4.0	3.7
77.5°	5.6	5.6	5.6	5.6	5.4	5.1	4.9	4.6	4.3	4.0	3.7
75°	5.6	5.6	5.6	5.6	5.4	5.2	4.9	4.8	4.8	4.7	4.6
72.5°	5.6	5.6	5.6	5.6	5.5	5.4	5.4	5.5	5.7	5.8	5.7
70°	5.6	5.6	5.7	5.7	5.6	5.7	6.2	6.8	7.4	7.9	9.3
67.5°	5.7	5.9	6.0	5.9	6.0	6.6	7.3	10.3	14.0	15.7	16.6
65°	6.1	6.3	6.3	6.4	6.7	8.8	12.1	16.5	21.2	22.3	22.2
62.5°	6.6	6.5	6.6	7.2	9.0	12.0	16.5	21.5	26.8	25.8	22.3
60°	6.7	6.7	7.4	9.1	11.5	15.5	20.7	23.2	24.8	24.7	20.4
57.5°	6.7	7.3	8.8	11.2	14.6	18.0	19.1	20.6	21.7	22.4	17.6
55°	7.0	8.3	10.3	13.5	16.1	15.7	16.3	17.2	18.0	17.0	12.6
52.5°	7.8	9.2	11.9	14.7	15.3	14.1	13.2	13.9	13.3	11.5	9.6
50°	8.5	10.4	13.1	14.9	14.6	12.7	10.9	11.2	10.7	9.4	8.2
47.5°	9.2	11.4	14.1	15.3	13.7	12.4	10.9	10.5	10.0	10.4	9.8
45°	9.9	12.2	15.1	14.7	13.8	13.4	12.7	11.1	12.8	13.5	13.3
42.5°	10.4	12.7	15.0	14.5	15.3	15.7	15.4	16.0	17.1	18.6	19.3
40°	10.7	13.1	15.6	17.2	17.7	19.2	21.3	22.9	23.5	25.8	27.3
37.5°	10.9	14.4	17.9	22.2	21.7	24.8	28.3	34.3	36.2	34.0	38.2
35°	10.8	16.2	24.0	30.0	30.8	32.1	41.2	50.4	56.1	50.5	55.7
32.5°	12.0	18.8	31.8	40.2	46.2	47.7	56.7	75.7	85.4	86.8	87.3
30°	14.8	26.0	41.5	52.4	66.1	77.1	85.8	107.6	123.2	161.7	192.9
27.5°	18.4	34.8	53.1	70.8	91.3	111.7	132.3	149.5	199.8	272.3	353.1
25°	22.0	47.4	66.0	93.4	124.5	154.4	182.1	205.5	303.7	452.3	551.7
22.5°	28.9	62.4	84.6	118.5	161.2	200.4	234.6	296.5	433.9	653.8	760.8
20°	40.2	78.3	107.4	148.8	202.2	248.0	288.0	391.6	592.1	798.4	931.0
17.5°	52.5	94.9	132.3	186.8	255.2	305.8	346.8	484.2	745.5	942.6	1077.7
15°	65.5	112.0	156.9	228.3	313.2	376.0	459.3	628.1	881.0	1084.2	1249.9
12.5°	78.8	129.3	180.9	272.0	374.9	446.9	596.4	841.2	1066.9	1244.0	1492.1
10°	92.2	146.5	204.1	316.7	438.7	517.8	747.2	1051.8	1269.9	1452.1	1737.4
7.5°	118.2	170.7	229.2	361.2	503.1	588.0	905.3	1256.8	1460.1	1645.5	1946.0
5°	146.2	201.8	268.0	416.6	566.8	651.4	1052.3	1452.2	1638.4	1825.1	2123.1
2.5°	173.4	231.8	305.6	470.4	626.6	702.9	1140.1	1560.7	1754.0	1964.5	2273.7
0°	198.7	260.4	341.3	519.7	681.4	751.0	1211.2	1652.4	1851.1	2081.2	2405.6
-2.5°	219.1	288.4	374.8	547.7	700.4	778.3	1225.8	1686.1	1901.2	2147.7	2468.9
-5°	236.1	314.4	405.6	570.9	715.1	802.5	1222.9	1698.1	1943.3	2198.1	2526.6
-7.5°	249.4	338.0	433.6	587.6	722.8	813.9	1219.3	1714.1	1989.4	2232.5	2573.3
-10°	256.7	347.7	439.6	585.3	720.9	816.4	1192.6	1704.5	2027.1	2257.4	2587.9
-12.5°	249.0	344.6	438.0	577.9	715.9	816.0	1134.7	1667.5	2057.1	2274.5	2560.3
-15°	240.0	339.6	432.0	565.4	708.0	812.5	1042.3	1601.9	2042.0	2212.3	2479.2
-17.5°	230.2	332.5	421.2	547.8	697.7	806.1	907.0	1435.6	1887.7	2105.9	2391.4
-20°	220.0	323.5	405.1	525.0	683.1	775.2	843.3	1225.3	1667.1	1974.7	2237.8



REPORT NUMBER: P701444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	210.0	312.6	388.0	504.0	630.3	723.9	796.3	1010.8	1438.8	1812.3	2008.6
-25°	204.6	296.6	373.7	465.3	574.2	671.3	741.7	818.0	1200.0	1559.0	1806.0
-27.5°	202.1	282.2	352.5	426.7	520.8	615.6	682.8	754.8	964.7	1303.9	1600.1
-30°	197.4	262.5	330.4	391.9	475.5	557.6	623.6	697.8	782.2	1056.2	1329.8
-32.5°	186.4	242.5	307.2	366.4	433.1	504.9	578.0	650.6	722.9	822.6	1073.4
-35°	173.4	225.8	284.0	340.3	393.3	462.2	535.2	606.7	668.1	731.8	870.6
-37.5°	162.9	207.7	261.2	314.4	364.5	423.4	490.7	560.1	622.8	680.3	759.4
-40°	151.4	188.4	239.5	289.9	337.1	387.7	447.7	510.3	574.9	642.2	704.1
-42.5°	138.8	174.5	217.1	265.7	310.0	356.6	404.5	462.5	526.1	597.1	661.2
-45°	124.4	159.7	194.7	239.3	281.9	324.8	369.7	415.5	478.0	541.7	608.9
-47.5°	109.3	143.6	177.3	212.9	253.4	292.6	333.7	380.6	429.6	487.9	547.2
-50°	93.6	126.1	158.8	191.2	225.8	261.2	297.5	344.9	391.5	437.1	488.0
-52.5°	77.9	107.9	139.1	170.2	200.9	232.8	267.6	309.3	353.3	396.0	438.3
-55°	61.2	89.2	118.4	147.9	177.2	206.2	239.9	277.0	315.1	355.9	395.1
-57.5°	47.1	69.4	96.4	124.5	152.2	180.6	213.6	245.5	280.2	316.2	351.4
-60°	34.3	51.5	73.1	99.2	126.2	154.0	186.6	218.2	247.9	276.7	309.7
-62.5°	22.7	36.0	52.3	71.9	96.6	124.4	153.6	184.8	218.3	244.6	270.5
-65°	18.6	23.0	34.1	49.4	65.7	89.4	116.0	144.9	173.9	200.1	227.7
-67.5°	14.4	18.5	22.4	28.2	42.2	57.9	74.7	98.5	123.8	145.8	168.1
-70°	12.6	14.4	17.7	21.1	24.4	30.9	44.7	59.3	73.8	87.8	106.0
-72.5°	11.1	12.7	14.4	16.3	19.1	22.1	25.3	28.7	36.9	47.7	57.9
-75°	9.9	10.9	12.4	13.9	15.4	16.9	18.6	21.3	23.9	26.4	28.9
-77.5°	8.8	9.7	10.6	11.7	12.7	13.8	15.0	16.3	17.5	18.9	20.3
-80°	7.9	8.4	9.1	9.9	10.4	10.9	11.6	12.5	13.2	13.9	14.7
-82.5°	7.3	7.6	7.9	8.3	8.4	8.3	8.3	8.6	9.1	9.6	10.0
-85°	6.7	6.7	6.8	7.0	7.1	7.2	7.2	7.2	7.1	7.1	7.1
-87.5°	6.6	6.4	6.3	6.2	6.3	6.3	6.3	6.4	6.1	5.9	5.7
-90°	5.3	5.1	4.8	4.5	4.5	4.5	4.5	4.5	4.2	4.0	3.7



REPORT NUMBER: P701444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.5	4.5	4.5	4.5	4.5	4.8	5.1	5.3	5.6	6.5	7.3
87.5°	3.4	3.1	2.8	2.5	2.2	1.9	1.7	1.4	1.1	1.1	1.1
85°	3.4	3.1	2.8	2.5	2.2	1.9	1.7	1.4	1.1	1.1	1.1
82.5°	3.4	3.3	3.2	3.1	3.1	2.9	2.6	2.4	2.1	1.9	1.6
80°	3.4	3.4	3.4	3.4	3.4	3.1	2.8	2.5	2.2	1.9	1.7
77.5°	3.6	3.6	3.6	3.5	3.4	3.2	2.9	2.5	2.2	2.0	1.7
75°	4.5	4.4	4.2	3.9	3.5	3.2	2.9	2.6	2.3	2.2	2.2
72.5°	5.5	5.2	5.0	5.3	5.2	5.1	4.9	4.6	4.1	4.1	4.2
70°	10.3	10.8	10.8	10.3	9.2	8.2	7.5	6.6	5.7	5.4	5.5
67.5°	16.4	15.6	14.6	13.4	11.4	9.7	8.7	7.7	6.8	6.5	6.5
65°	20.4	16.9	14.5	12.6	11.1	9.7	8.6	7.6	6.5	5.9	5.8
62.5°	18.6	14.6	12.1	10.6	9.5	8.7	7.3	6.2	5.3	4.9	5.0
60°	16.0	11.7	9.1	7.9	6.7	5.7	5.2	4.8	4.6	4.5	4.6
57.5°	12.7	8.9	6.6	6.2	5.6	4.8	4.6	4.7	4.6	4.5	4.5
55°	9.3	7.6	6.7	6.4	6.1	5.8	5.5	5.5	5.3	5.2	5.3
52.5°	7.6	7.6	7.7	7.6	7.3	6.9	6.6	6.6	6.8	7.0	7.3
50°	8.4	8.6	8.8	8.7	8.4	8.1	7.8	8.2	8.7	9.1	9.5
47.5°	9.7	10.1	10.7	10.0	10.1	10.7	10.3	10.4	12.1	13.1	13.8
45°	12.4	14.3	14.8	15.3	15.4	16.6	17.1	17.5	20.7	22.1	22.1
42.5°	19.7	21.6	23.1	24.5	24.3	27.9	32.9	35.6	35.5	34.9	35.5
40°	29.8	31.8	36.4	39.8	45.2	50.0	50.3	45.7	46.2	51.5	51.9
37.5°	44.7	51.0	60.0	70.1	72.8	69.7	71.5	74.9	78.4	83.3	89.1
35°	71.3	92.2	96.3	104.1	109.2	104.1	106.1	115.0	115.1	131.0	139.7
32.5°	126.4	158.5	168.4	161.5	174.9	183.1	158.1	189.5	195.5	211.8	231.8
30°	206.3	273.0	293.7	284.0	320.5	332.0	309.9	373.2	410.4	409.6	503.5
27.5°	391.9	425.2	464.0	523.2	530.8	550.5	675.3	771.9	894.4	1010.3	1160.7
25°	599.6	618.5	729.6	802.7	838.8	970.8	1155.7	1306.5	1566.6	1809.3	2314.5
22.5°	790.9	861.6	997.0	1114.2	1245.7	1458.1	1713.2	1993.1	2684.1	3534.2	4600.8
20°	978.6	1071.7	1233.5	1444.1	1654.1	1943.0	2282.1	3169.1	4527.7	6586.9	8812.4
17.5°	1190.5	1280.0	1500.6	1797.9	2117.5	2550.5	3590.8	5285.5	8170.8	12199.2	16085.4
15°	1465.6	1619.6	1863.6	2303.0	2914.6	3935.3	5631.1	9811.1	15571.5	21836.0	28552.3
12.5°	1787.5	2041.3	2438.6	3006.3	3886.9	6298.3	10560.1	17272.2	25880.3	34678.7	45717.2
10°	2099.1	2523.6	3131.6	4026.2	5778.0	9578.6	15927.7	25614.9	38804.3	52407.9	64598.8
7.5°	2372.7	2934.4	3752.5	5006.4	7787.6	13280.3	22414.2	35912.9	52352.5	69163.0	85556.1
5°	2652.2	3320.1	4273.5	5740.5	9013.0	15959.8	27683.8	45340.4	65202.6	85563.2	106959.3
2.5°	2881.6	3643.8	4708.4	6349.1	9737.2	17399.8	30951.6	51906.5	74855.7	98165.6	124789.3
0°	3019.6	3844.7	4923.4	6368.2	10306.0	18534.2	31758.8	54230.9	78931.2	104559.8	132424.5
-2.5°	3023.9	3802.8	4818.6	6307.7	10184.3	18224.1	31815.1	54172.9	78712.0	103394.7	130892.7
-5°	3014.5	3707.5	4661.5	6091.1	9455.7	16606.2	29374.4	50663.1	74833.1	98192.2	123238.1
-7.5°	3000.1	3581.5	4438.2	5744.6	8523.4	14653.5	26563.1	46051.3	68855.7	90613.5	113033.9
-10°	2983.4	3451.1	4232.8	5447.4	7678.7	12330.8	21368.3	39116.1	60035.7	80113.4	98498.7
-12.5°	2969.1	3397.5	4067.3	5037.9	6652.0	10332.8	18040.4	31966.6	48907.3	65860.8	82147.3
-15°	2914.3	3326.5	3932.2	4733.8	6042.3	8616.6	13467.3	23093.6	37004.2	50396.5	63325.0
-17.5°	2802.1	3225.6	3606.6	4230.6	5174.5	6853.2	10031.3	15831.9	24763.5	35232.2	44353.0
-20°	2582.3	2872.5	3188.6	3718.6	4445.0	5328.8	6778.2	10083.4	14330.2	21158.7	25940.9



REPORT NUMBER: P701444 (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°
-22.5°	2255.9	2500.0	2766.0	3119.1	3629.9	4253.6	5026.9	6248.9	8464.9	11096.8	14005.6
-25°	1958.1	2133.6	2380.1	2683.4	2956.8	3363.7	3905.7	4379.7	5336.9	6111.1	7711.0
-27.5°	1732.4	1878.3	2101.6	2336.8	2538.6	2756.6	3133.7	3468.9	3934.6	4341.1	4991.5
-30°	1569.2	1718.7	1898.2	2076.5	2268.2	2453.0	2621.8	2875.8	3155.1	3420.4	3764.4
-32.5°	1367.8	1603.6	1733.5	1884.3	2054.8	2216.5	2345.2	2505.9	2659.6	2835.3	3024.0
-35°	1157.4	1415.0	1614.4	1730.3	1856.9	2011.3	2143.2	2253.1	2355.0	2464.1	2563.7
-37.5°	909.5	1194.2	1421.3	1592.8	1708.5	1816.2	1957.7	2063.4	2130.7	2221.2	2289.3
-40°	781.7	895.7	1153.9	1386.9	1536.0	1705.8	1837.4	1949.2	2072.6	2168.8	2224.4
-42.5°	719.4	785.5	854.2	1044.5	1277.8	1481.6	1651.4	1835.3	2000.3	2131.6	2253.7
-45°	671.2	718.2	767.1	830.2	895.5	1086.3	1295.6	1510.7	1703.3	1883.4	2037.8
-47.5°	607.0	661.9	706.6	746.5	786.7	845.2	907.9	995.2	1180.3	1368.0	1547.0
-50°	540.8	591.4	640.7	687.1	724.6	754.2	777.9	816.4	872.1	927.7	982.2
-52.5°	478.5	525.5	570.2	615.1	659.0	698.0	732.6	759.8	782.2	801.3	814.3
-55°	434.0	470.9	505.7	548.5	590.8	630.0	666.4	699.8	730.3	758.0	777.1
-57.5°	387.6	423.8	459.8	495.9	530.8	564.6	598.5	631.5	662.5	690.8	709.7
-60°	341.7	372.7	408.4	445.6	480.4	513.0	544.5	574.1	601.8	625.5	640.8
-62.5°	298.4	327.6	358.5	391.9	427.2	461.6	493.2	523.2	551.6	574.7	589.5
-65°	254.6	279.2	305.6	333.2	361.8	391.1	421.2	451.9	482.7	507.5	523.8
-67.5°	191.3	215.9	241.8	268.8	293.2	315.5	337.2	359.6	382.2	400.9	415.7
-70°	124.4	142.8	160.9	179.3	199.5	220.0	239.6	258.0	275.1	288.7	299.7
-72.5°	67.2	76.1	86.1	100.2	113.7	127.3	140.8	153.5	165.4	174.3	181.3
-75°	31.2	35.3	42.8	49.8	56.3	62.9	69.3	75.2	80.5	84.3	87.2
-77.5°	22.1	23.9	25.8	27.6	29.4	31.9	34.6	37.2	39.7	42.2	44.6
-80°	15.6	16.6	17.6	18.6	19.5	20.9	22.4	23.9	25.4	27.0	28.5
-82.5°	10.4	11.1	11.8	12.4	13.0	13.8	14.6	15.4	16.2	17.5	18.7
-85°	7.1	7.4	7.7	8.0	8.4	9.0	9.7	10.3	11.0	11.9	12.8
-87.5°	5.4	5.4	5.5	5.5	5.5	6.1	6.6	7.2	7.8	8.7	9.5
-90°	3.4	3.1	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.6



REPORT NUMBER: P701444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	8.2	9.0	9.6	10.1	9.6	9.0	8.2	7.3	6.5	5.6	5.3
87.5°	1.1	1.1	0.5	0.0	0.5	1.1	1.1	1.1	1.1	1.1	1.4
85°	1.1	1.1	0.6	0.0	0.6	1.1	1.1	1.1	1.1	1.1	1.4
82.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.6	1.9	2.1	2.4
80°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.5
77.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.2	2.5
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.6
72.5°	4.4	4.4	4.5	4.5	4.5	4.4	4.4	4.2	4.1	4.1	4.6
70°	5.5	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.4	5.7	6.6
67.5°	6.6	6.7	6.7	6.7	6.7	6.7	6.6	6.5	6.5	6.8	7.7
65°	5.7	5.6	5.6	5.6	5.6	5.6	5.7	5.8	5.9	6.5	7.6
62.5°	5.3	5.5	5.6	5.6	5.6	5.5	5.3	5.0	4.9	5.3	6.2
60°	4.6	4.6	4.5	4.5	4.5	4.6	4.6	4.6	4.5	4.6	4.8
57.5°	4.5	4.5	4.9	5.6	4.9	4.5	4.5	4.5	4.5	4.6	4.7
55°	5.4	5.5	6.0	6.7	6.0	5.5	5.4	5.3	5.2	5.3	5.5
52.5°	7.6	7.7	7.9	7.9	7.9	7.7	7.6	7.3	7.0	6.8	6.6
50°	9.7	9.9	10.1	10.1	10.1	9.9	9.7	9.5	9.1	8.7	8.2
47.5°	14.3	14.4	14.5	14.6	14.5	14.4	14.3	13.8	13.1	12.1	10.4
45°	22.9	23.2	23.4	23.6	23.4	23.2	22.9	22.1	22.1	20.7	17.5
42.5°	36.9	37.6	37.5	37.0	37.5	37.6	36.9	35.5	34.9	35.5	35.6
40°	52.7	52.8	52.2	51.6	52.2	52.8	52.7	51.9	51.5	46.2	45.7
37.5°	91.7	88.4	82.5	79.7	82.5	88.4	91.7	89.1	83.3	78.4	74.9
35°	142.0	144.1	144.7	143.7	144.7	144.1	142.0	139.7	131.0	115.1	115.0
32.5°	237.4	248.7	252.4	259.3	252.4	248.7	237.4	231.8	211.8	195.5	189.5
30°	488.8	485.3	442.7	424.3	442.7	485.3	488.8	503.5	409.6	410.4	373.2
27.5°	1316.7	1468.2	1540.5	1534.5	1540.5	1468.2	1316.7	1160.7	1010.3	894.4	771.9
25°	2711.6	2955.2	3116.7	3010.6	3116.7	2955.2	2711.6	2314.5	1809.3	1566.6	1306.5
22.5°	5594.3	6125.3	6414.7	6518.6	6414.7	6125.3	5594.3	4600.8	3534.2	2684.1	1993.1
20°	11210.8	12213.5	12945.9	12334.4	12945.9	12213.5	11210.8	8812.4	6586.9	4527.7	3169.1
17.5°	20813.0	23932.1	26691.4	27553.8	26691.4	23932.1	20813.0	16085.4	12199.2	8170.8	5285.5
15°	35027.3	40294.9	43426.0	43243.5	43426.0	40294.9	35027.3	28552.3	21836.0	15571.5	9811.1
12.5°	53893.4	60394.0	64731.4	63766.8	64731.4	60394.0	53893.4	45717.2	34678.7	25880.3	17272.2
10°	76562.6	86408.8	93562.9	93233.4	93562.9	86408.8	76562.6	64598.8	52407.9	38804.3	25614.9
7.5°	100065.5	116229.4	130259.0	132619.9	130259.0	116229.4	100065.5	85556.1	69163.0	52352.5	35912.9
5°	130374.4	151679.1	165611.8	166408.2	165611.8	151679.1	130374.4	106959.3	85563.2	65202.6	45340.4
2.5°	154960.0	179400.0	191158.1	198282.1	191158.1	179400.0	154960.0	124789.3	98165.6	74855.7	51906.5
0°	166478.4	186346.7	207843.8	218029.2	207843.8	186346.7	166478.4	132424.5	104559.8	78931.2	54230.9
-2.5°	161752.9	183043.2	195941.7	206736.5	195941.7	183043.2	161752.9	130892.7	103394.7	78712.0	54172.9
-5°	151035.7	172131.0	182951.8	183961.3	182951.8	172131.0	151035.7	123238.1	98192.2	74833.1	50663.1
-7.5°	133539.8	151427.4	162788.1	166322.9	162788.1	151427.4	133539.8	113033.9	90613.5	68855.7	46051.3
-10°	114946.0	127810.2	135152.3	136560.0	135152.3	127810.2	114946.0	98498.7	80113.4	60035.7	39116.1
-12.5°	95615.0	106146.9	111213.1	112319.9	111213.1	106146.9	95615.0	82147.3	65860.8	48907.3	31966.6
-15°	74201.2	82126.2	86687.8	87481.5	86687.8	82126.2	74201.2	63325.0	50396.5	37004.2	23093.6
-17.5°	52963.4	59403.1	64024.0	64637.9	64024.0	59403.1	52963.4	44353.0	35232.2	24763.5	15831.9
-20°	32535.2	36916.9	39620.2	39223.7	39620.2	36916.9	32535.2	25940.9	21158.7	14330.2	10083.4



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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°	17516.5	19878.4	21020.8	21611.1	21020.8	19878.4	17516.5	14005.6	11096.8	8464.9	6248.9
-25°	9259.2	10259.5	10772.7	11174.9	10772.7	10259.5	9259.2	7711.0	6111.1	5336.9	4379.7
-27.5°	5509.3	5853.3	6044.3	6149.3	6044.3	5853.3	5509.3	4991.5	4341.1	3934.6	3468.9
-30°	4038.9	4203.7	4290.8	4334.1	4290.8	4203.7	4038.9	3764.4	3420.4	3155.1	2875.8
-32.5°	3175.5	3273.3	3333.4	3355.3	3333.4	3273.3	3175.5	3024.0	2835.3	2659.6	2505.9
-35°	2634.2	2666.9	2678.6	2699.7	2678.6	2666.9	2634.2	2563.7	2464.1	2355.0	2253.1
-37.5°	2341.2	2371.7	2386.5	2398.9	2386.5	2371.7	2341.2	2289.3	2221.2	2130.7	2063.4
-40°	2250.0	2282.3	2315.5	2339.4	2315.5	2282.3	2250.0	2224.4	2168.8	2072.6	1949.2
-42.5°	2307.0	2359.8	2396.1	2401.1	2396.1	2359.8	2307.0	2253.7	2131.6	2000.3	1835.3
-45°	2125.5	2185.7	2218.4	2229.4	2218.4	2185.7	2125.5	2037.8	1883.4	1703.3	1510.7
-47.5°	1705.7	1843.1	1925.1	1943.1	1925.1	1843.1	1705.7	1547.0	1368.0	1180.3	995.2
-50°	1035.2	1084.1	1111.1	1114.7	1111.1	1084.1	1035.2	982.2	927.7	872.1	816.4
-52.5°	824.5	833.3	838.7	841.9	838.7	833.3	824.5	814.3	801.3	782.2	759.8
-55°	793.8	808.5	816.8	820.6	816.8	808.5	793.8	777.1	758.0	730.3	699.8
-57.5°	726.6	741.5	748.1	749.9	748.1	741.5	726.6	709.7	690.8	662.5	631.5
-60°	654.7	667.3	671.3	671.3	671.3	667.3	654.7	640.8	625.5	601.8	574.1
-62.5°	603.6	616.7	623.1	626.4	623.1	616.7	603.6	589.5	574.7	551.6	523.2
-65°	538.0	550.0	555.1	556.8	555.1	550.0	538.0	523.8	507.5	482.7	451.9
-67.5°	428.8	440.2	443.5	443.4	443.5	440.2	428.8	415.7	400.9	382.2	359.6
-70°	309.1	316.7	317.9	316.6	317.9	316.7	309.1	299.7	288.7	275.1	258.0
-72.5°	187.0	191.3	193.0	193.1	193.0	191.3	187.0	181.3	174.3	165.4	153.5
-75°	89.4	91.0	92.3	93.2	92.3	91.0	89.4	87.2	84.3	80.5	75.2
-77.5°	46.8	49.0	49.8	50.5	49.8	49.0	46.8	44.6	42.2	39.7	37.2
-80°	29.9	31.2	31.4	31.4	31.4	31.2	29.9	28.5	27.0	25.4	23.9
-82.5°	20.0	21.2	21.3	21.3	21.3	21.2	20.0	18.7	17.5	16.2	15.4
-85°	13.7	14.6	15.1	15.7	15.1	14.6	13.7	12.8	11.9	11.0	10.3
-87.5°	10.4	11.2	11.2	11.2	11.2	11.2	10.4	9.5	8.7	7.8	7.2
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.4



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5.1	4.8	4.5	4.5	4.5	4.5	4.5	4.8	5.1	5.3	5.6
87.5°	1.7	1.9	2.2	2.5	2.8	3.1	3.4	3.7	4.0	4.2	4.5
85°	1.7	1.9	2.2	2.5	2.8	3.1	3.4	3.7	4.0	4.2	4.5
82.5°	2.6	2.9	3.1	3.1	3.2	3.3	3.4	3.7	4.0	4.3	4.5
80°	2.8	3.1	3.4	3.4	3.4	3.4	3.4	3.7	4.0	4.3	4.5
77.5°	2.9	3.2	3.4	3.5	3.6	3.6	3.6	3.7	4.0	4.3	4.6
75°	2.9	3.2	3.5	3.9	4.2	4.4	4.5	4.6	4.7	4.8	4.8
72.5°	4.9	5.1	5.2	5.3	5.0	5.2	5.5	5.7	5.8	5.7	5.5
70°	7.5	8.2	9.2	10.3	10.8	10.8	10.3	9.3	7.9	7.4	6.8
67.5°	8.7	9.7	11.4	13.4	14.6	15.6	16.4	16.6	15.7	14.0	10.3
65°	8.6	9.7	11.1	12.6	14.5	16.9	20.4	22.2	22.3	21.2	16.5
62.5°	7.3	8.7	9.5	10.6	12.1	14.6	18.6	22.3	25.8	26.8	21.5
60°	5.2	5.7	6.7	7.9	9.1	11.7	16.0	20.4	24.7	24.8	23.2
57.5°	4.6	4.8	5.6	6.2	6.6	8.9	12.7	17.6	22.4	21.7	20.6
55°	5.5	5.8	6.1	6.4	6.7	7.6	9.3	12.6	17.0	18.0	17.2
52.5°	6.6	6.9	7.3	7.6	7.7	7.6	7.6	9.6	11.5	13.3	13.9
50°	7.8	8.1	8.4	8.7	8.8	8.6	8.4	8.2	9.4	10.7	11.2
47.5°	10.3	10.7	10.1	10.0	10.7	10.1	9.7	9.8	10.4	10.0	10.5
45°	17.1	16.6	15.4	15.3	14.8	14.3	12.4	13.3	13.5	12.8	11.1
42.5°	32.9	27.9	24.3	24.5	23.1	21.6	19.7	19.3	18.6	17.1	16.0
40°	50.3	50.0	45.2	39.8	36.4	31.8	29.8	27.3	25.8	23.5	22.9
37.5°	71.5	69.7	72.8	70.1	60.0	51.0	44.7	38.2	34.0	36.2	34.3
35°	106.1	104.1	109.2	104.1	96.3	92.2	71.3	55.7	50.5	56.1	50.4
32.5°	158.1	183.1	174.9	161.5	168.4	158.5	126.4	87.3	86.8	85.4	75.7
30°	309.9	332.0	320.5	284.0	293.7	273.0	206.3	192.9	161.7	123.2	107.6
27.5°	675.3	550.5	530.8	523.2	464.0	425.2	391.9	353.1	272.3	199.8	149.5
25°	1155.7	970.8	838.8	802.7	729.6	618.5	599.6	551.7	452.3	303.7	205.5
22.5°	1713.2	1458.1	1245.7	1114.2	997.0	861.6	790.9	760.8	653.8	433.9	296.5
20°	2282.1	1943.0	1654.1	1444.1	1233.5	1071.7	978.6	931.0	798.4	592.1	391.6
17.5°	3590.8	2550.5	2117.5	1797.9	1500.6	1280.0	1190.5	1077.7	942.6	745.5	484.2
15°	5631.1	3935.3	2914.6	2303.0	1863.6	1619.6	1465.6	1249.9	1084.2	881.0	628.1
12.5°	10560.1	6298.3	3886.9	3006.3	2438.6	2041.3	1787.5	1492.1	1244.0	1066.9	841.2
10°	15927.7	9578.6	5778.0	4026.2	3131.6	2523.6	2099.1	1737.4	1452.1	1269.9	1051.8
7.5°	22414.2	13280.3	7787.6	5006.4	3752.5	2934.4	2372.7	1946.0	1645.5	1460.1	1256.8
5°	27683.8	15959.8	9013.0	5740.5	4273.5	3320.1	2652.2	2123.1	1825.1	1638.4	1452.2
2.5°	30951.6	17399.8	9737.2	6349.1	4708.4	3643.8	2881.6	2273.7	1964.5	1754.0	1560.7
0°	31758.8	18534.2	10306.0	6368.2	4923.4	3844.7	3019.6	2405.6	2081.2	1851.1	1652.4
-2.5°	31815.1	18224.1	10184.3	6307.7	4818.6	3802.8	3023.9	2468.9	2147.7	1901.2	1686.1
-5°	29374.4	16606.2	9455.7	6091.1	4661.5	3707.5	3014.5	2526.6	2198.1	1943.3	1698.1
-7.5°	26563.1	14653.5	8523.4	5744.6	4438.2	3581.5	3000.1	2573.3	2232.5	1989.4	1714.1
-10°	21368.3	12330.8	7678.7	5447.4	4232.8	3451.1	2983.4	2587.9	2257.4	2027.1	1704.5
-12.5°	18040.4	10332.8	6652.0	5037.9	4067.3	3397.5	2969.1	2560.3	2274.5	2057.1	1667.5
-15°	13467.3	8616.6	6042.3	4733.8	3932.2	3326.5	2914.3	2479.2	2212.3	2042.0	1601.9
-17.5°	10031.3	6853.2	5174.5	4230.6	3606.6	3225.6	2802.1	2391.4	2105.9	1887.7	1435.6
-20°	6778.2	5328.8	4445.0	3718.6	3188.6	2872.5	2582.3	2237.8	1974.7	1667.1	1225.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5026.9	4253.6	3629.9	3119.1	2766.0	2500.0	2255.9	2008.6	1812.3	1438.8	1010.8
-25°	3905.7	3363.7	2956.8	2683.4	2380.1	2133.6	1958.1	1806.0	1559.0	1200.0	818.0
-27.5°	3133.7	2756.6	2538.6	2336.8	2101.6	1878.3	1732.4	1600.1	1303.9	964.7	754.8
-30°	2621.8	2453.0	2268.2	2076.5	1898.2	1718.7	1569.2	1329.8	1056.2	782.2	697.8
-32.5°	2345.2	2216.5	2054.8	1884.3	1733.5	1603.6	1367.8	1073.4	822.6	722.9	650.6
-35°	2143.2	2011.3	1856.9	1730.3	1614.4	1415.0	1157.4	870.6	731.8	668.1	606.7
-37.5°	1957.7	1816.2	1708.5	1592.8	1421.3	1194.2	909.5	759.4	680.3	622.8	560.1
-40°	1837.4	1705.8	1536.0	1386.9	1153.9	895.7	781.7	704.1	642.2	574.9	510.3
-42.5°	1651.4	1481.6	1277.8	1044.5	854.2	785.5	719.4	661.2	597.1	526.1	462.5
-45°	1295.6	1086.3	895.5	830.2	767.1	718.2	671.2	608.9	541.7	478.0	415.5
-47.5°	907.9	845.2	786.7	746.5	706.6	661.9	607.0	547.2	487.9	429.6	380.6
-50°	777.9	754.2	724.6	687.1	640.7	591.4	540.8	488.0	437.1	391.5	344.9
-52.5°	732.6	698.0	659.0	615.1	570.2	525.5	478.5	438.3	396.0	353.3	309.3
-55°	666.4	630.0	590.8	548.5	505.7	470.9	434.0	395.1	355.9	315.1	277.0
-57.5°	598.5	564.6	530.8	495.9	459.8	423.8	387.6	351.4	316.2	280.2	245.5
-60°	544.5	513.0	480.4	445.6	408.4	372.7	341.7	309.7	276.7	247.9	218.2
-62.5°	493.2	461.6	427.2	391.9	358.5	327.6	298.4	270.5	244.6	218.3	184.8
-65°	421.2	391.1	361.8	333.2	305.6	279.2	254.6	227.7	200.1	173.9	144.9
-67.5°	337.2	315.5	293.2	268.8	241.8	215.9	191.3	168.1	145.8	123.8	98.5
-70°	239.6	220.0	199.5	179.3	160.9	142.8	124.4	106.0	87.8	73.8	59.3
-72.5°	140.8	127.3	113.7	100.2	86.1	76.1	67.2	57.9	47.7	36.9	28.7
-75°	69.3	62.9	56.3	49.8	42.8	35.3	31.2	28.9	26.4	23.9	21.3
-77.5°	34.6	31.9	29.4	27.6	25.8	23.9	22.1	20.3	18.9	17.5	16.3
-80°	22.4	20.9	19.5	18.6	17.6	16.6	15.6	14.7	13.9	13.2	12.5
-82.5°	14.6	13.8	13.0	12.4	11.8	11.1	10.4	10.0	9.6	9.1	8.6
-85°	9.7	9.0	8.4	8.0	7.7	7.4	7.1	7.1	7.1	7.1	7.2
-87.5°	6.6	6.1	5.5	5.5	5.5	5.4	5.4	5.7	5.9	6.1	6.4
-90°	1.7	1.9	2.2	2.5	2.8	3.1	3.4	3.7	4.0	4.2	4.5



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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°	5.6	5.6	5.6	5.6	5.9	6.2	6.4	6.7	6.4	6.2	5.9
87.5°	4.5	4.5	4.5	4.5	4.8	5.1	5.3	5.6	5.6	5.6	5.6
85°	4.6	4.7	4.7	4.7	4.8	5.1	5.3	5.6	5.6	5.6	5.6
82.5°	4.8	5.0	5.2	5.3	5.3	5.3	5.4	5.6	5.6	5.6	5.6
80°	4.8	5.1	5.4	5.6	5.6	5.6	5.6	5.6	5.8	5.8	5.8
77.5°	4.9	5.1	5.4	5.6	5.6	5.6	5.6	5.7	5.9	6.0	6.0
75°	4.9	5.2	5.4	5.6	5.6	5.6	5.6	5.7	6.0	6.2	6.3
72.5°	5.4	5.4	5.5	5.6	5.6	5.6	5.6	5.7	6.0	6.2	6.5
70°	6.2	5.7	5.6	5.7	5.7	5.6	5.6	5.7	6.0	6.3	6.5
67.5°	7.3	6.6	6.0	5.9	6.0	5.9	5.7	5.8	6.0	6.3	6.6
65°	12.1	8.8	6.7	6.4	6.3	6.3	6.1	5.9	6.1	6.3	6.6
62.5°	16.5	12.0	9.0	7.2	6.6	6.5	6.6	6.3	6.2	6.4	6.6
60°	20.7	15.5	11.5	9.1	7.4	6.7	6.7	6.6	6.4	6.4	6.7
57.5°	19.1	18.0	14.6	11.2	8.8	7.3	6.7	6.7	6.6	6.5	6.7
55°	16.3	15.7	16.1	13.5	10.3	8.3	7.0	6.7	6.7	6.6	6.7
52.5°	13.2	14.1	15.3	14.7	11.9	9.2	7.8	6.7	6.7	6.7	6.7
50°	10.9	12.7	14.6	14.9	13.1	10.4	8.5	7.2	6.7	6.7	6.8
47.5°	10.9	12.4	13.7	15.3	14.1	11.4	9.2	7.7	6.7	6.7	6.9
45°	12.7	13.4	13.8	14.7	15.1	12.2	9.9	8.2	7.1	6.8	7.0
42.5°	15.4	15.7	15.3	14.5	15.0	12.7	10.4	8.6	7.4	6.8	7.1
40°	21.3	19.2	17.7	17.2	15.6	13.1	10.7	8.9	7.7	7.0	7.1
37.5°	28.3	24.8	21.7	22.2	17.9	14.4	10.9	9.1	8.1	7.4	7.2
35°	41.2	32.1	30.8	30.0	24.0	16.2	10.8	9.1	8.5	7.7	7.3
32.5°	56.7	47.7	46.2	40.2	31.8	18.8	12.0	9.9	9.0	8.0	7.3
30°	85.8	77.1	66.1	52.4	41.5	26.0	14.8	10.9	9.6	8.3	7.5
27.5°	132.3	111.7	91.3	70.8	53.1	34.8	18.4	12.1	10.3	8.6	7.7
25°	182.1	154.4	124.5	93.4	66.0	47.4	22.0	13.7	11.1	9.1	8.0
22.5°	234.6	200.4	161.2	118.5	84.6	62.4	28.9	16.7	12.3	9.7	8.2
20°	288.0	248.0	202.2	148.8	107.4	78.3	40.2	19.5	13.5	10.2	8.4
17.5°	346.8	305.8	255.2	186.8	132.3	94.9	52.5	22.3	14.8	10.7	8.6
15°	459.3	376.0	313.2	228.3	156.9	112.0	65.5	25.0	16.1	11.3	8.8
12.5°	596.4	446.9	374.9	272.0	180.9	129.3	78.8	27.5	17.5	12.2	9.1
10°	747.2	517.8	438.7	316.7	204.1	146.5	92.2	31.9	20.2	13.6	9.3
7.5°	905.3	588.0	503.1	361.2	229.2	170.7	118.2	40.8	23.1	15.0	9.5
5°	1052.3	651.4	566.8	416.6	268.0	201.8	146.2	50.2	26.0	16.4	9.7
2.5°	1140.1	702.9	626.6	470.4	305.6	231.8	173.4	59.5	28.8	17.8	9.9
0°	1211.2	751.0	681.4	519.7	341.3	260.4	198.7	68.5	31.4	19.1	10.1
-2.5°	1225.8	778.3	700.4	547.7	374.8	288.4	219.1	83.3	41.7	25.3	13.4
-5°	1222.9	802.5	715.1	570.9	405.6	314.4	236.1	97.0	51.6	31.3	16.6
-7.5°	1219.3	813.9	722.8	587.6	433.6	338.0	249.4	109.5	60.9	36.9	19.6
-10°	1192.6	816.4	720.9	585.3	439.6	347.7	256.7	120.6	69.3	41.9	22.3
-12.5°	1134.7	816.0	715.9	577.9	438.0	344.6	249.0	128.3	76.7	46.3	24.6
-15°	1042.3	812.5	708.0	565.4	432.0	339.6	240.0	133.6	82.6	50.2	26.4
-17.5°	907.0	806.1	697.7	547.8	421.2	332.5	230.2	137.5	87.6	53.7	28.0
-20°	843.3	775.2	683.1	525.0	405.1	323.5	220.0	139.7	91.6	56.3	29.4



REPORT NUMBER: P701444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	796.3	723.9	630.3	504.0	388.0	312.6	210.0	140.2	94.5	57.8	30.2
-25°	741.7	671.3	574.2	465.3	373.7	296.6	204.6	139.0	96.2	58.2	30.2
-27.5°	682.8	615.6	520.8	426.7	352.5	282.2	202.1	140.3	96.7	57.5	29.4
-30°	623.6	557.6	475.5	391.9	330.4	262.5	197.4	140.3	95.7	56.3	27.8
-32.5°	578.0	504.9	433.1	366.4	307.2	242.5	186.4	138.6	93.1	54.4	26.6
-35°	535.2	462.2	393.3	340.3	284.0	225.8	173.4	135.4	88.8	51.3	25.2
-37.5°	490.7	423.4	364.5	314.4	261.2	207.7	162.9	125.4	82.9	46.9	23.0
-40°	447.7	387.7	337.1	289.9	239.5	188.4	151.4	113.9	76.4	41.4	20.3
-42.5°	404.5	356.6	310.0	265.7	217.1	174.5	138.8	101.6	67.3	36.6	16.8
-45°	369.7	324.8	281.9	239.3	194.7	159.7	124.4	88.8	57.1	31.8	14.2
-47.5°	333.7	292.6	253.4	212.9	177.3	143.6	109.3	76.5	46.3	26.1	13.3
-50°	297.5	261.2	225.8	191.2	158.8	126.1	93.6	63.3	38.6	19.4	12.3
-52.5°	267.6	232.8	200.9	170.2	139.1	107.9	77.9	49.8	30.3	16.2	11.1
-55°	239.9	206.2	177.2	147.9	118.4	89.2	61.2	39.7	21.5	14.5	9.9
-57.5°	213.6	180.6	152.2	124.5	96.4	69.4	47.1	29.0	17.6	12.5	9.8
-60°	186.6	154.0	126.2	99.2	73.1	51.5	34.3	20.5	15.1	10.8	9.6
-62.5°	153.6	124.4	96.6	71.9	52.3	36.0	22.7	17.3	12.5	10.4	9.3
-65°	116.0	89.4	65.7	49.4	34.1	23.0	18.6	13.9	11.3	10.0	9.0
-67.5°	74.7	57.9	42.2	28.2	22.4	18.5	14.4	12.1	10.6	9.4	8.7
-70°	44.7	30.9	24.4	21.1	17.7	14.4	12.6	11.0	9.7	8.9	8.4
-72.5°	25.3	22.1	19.1	16.3	14.4	12.7	11.1	9.8	9.1	8.5	8.0
-75°	18.6	16.9	15.4	13.9	12.4	10.9	9.9	9.0	8.4	7.9	7.6
-77.5°	15.0	13.8	12.7	11.7	10.6	9.7	8.8	8.1	7.8	7.5	7.3
-80°	11.6	10.9	10.4	9.9	9.1	8.4	7.9	7.5	7.3	7.1	6.9
-82.5°	8.3	8.3	8.4	8.3	7.9	7.6	7.3	7.0	6.9	6.7	6.6
-85°	7.2	7.2	7.1	7.0	6.8	6.7	6.7	6.7	6.6	6.5	6.4
-87.5°	6.3	6.3	6.3	6.2	6.3	6.4	6.6	6.7	6.5	6.3	6.1
-90°	4.5	4.5	4.5	4.5	4.8	5.1	5.3	5.6	5.6	5.6	5.6



REPORT NUMBER: P701444 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.6	5.6	5.6	5.6	5.6	5.6	5.6
87.5°	5.6	5.7	5.7	5.7	5.7	5.6	5.6
85°	5.6	5.7	5.8	5.8	5.8	5.6	5.6
82.5°	5.6	5.8	5.9	5.9	5.9	5.7	5.6
80°	5.7	5.9	6.0	6.0	6.0	5.7	5.6
77.5°	5.9	6.0	6.1	6.1	6.1	5.7	5.6
75°	6.2	6.1	6.2	6.3	6.1	5.7	5.6
72.5°	6.5	6.3	6.3	6.4	6.2	5.8	5.6
70°	6.7	6.5	6.4	6.5	6.3	5.8	5.6
67.5°	6.7	6.6	6.5	6.5	6.4	5.8	5.6
65°	6.7	6.7	6.6	6.6	6.4	5.8	5.6
62.5°	6.7	6.7	6.6	6.6	6.5	5.8	5.6
60°	6.7	6.7	6.7	6.6	6.6	5.8	5.6
57.5°	6.7	6.7	6.7	6.6	6.5	5.8	5.6
55°	6.7	6.7	6.7	6.7	6.5	5.9	5.6
52.5°	6.7	6.7	6.7	6.7	6.5	5.9	5.6
50°	6.7	6.7	6.7	6.7	6.5	5.9	5.6
47.5°	6.7	6.7	6.7	6.7	6.5	5.9	5.6
45°	6.8	6.7	6.7	6.7	6.5	5.9	5.6
42.5°	6.9	6.7	6.7	6.7	6.5	5.9	5.6
40°	7.1	6.7	6.7	6.7	6.5	5.9	5.6
37.5°	7.2	6.7	6.7	6.7	6.5	5.9	5.6
35°	7.4	6.8	6.7	6.7	6.5	5.9	5.6
32.5°	7.5	6.9	6.7	6.7	6.5	5.8	5.6
30°	7.6	7.0	6.7	6.7	6.6	5.8	5.6
27.5°	7.7	7.2	6.7	6.7	6.6	5.8	5.6
25°	7.7	7.3	6.7	6.7	6.6	5.8	5.6
22.5°	7.8	7.4	6.7	6.7	6.6	5.8	5.6
20°	7.9	7.5	6.7	6.7	6.6	5.8	5.6
17.5°	8.0	7.6	6.7	6.7	6.6	5.8	5.6
15°	8.1	7.7	6.7	6.7	6.6	5.7	5.6
12.5°	8.2	7.8	6.7	6.7	6.7	5.7	5.6
10°	8.4	7.8	6.7	6.7	6.7	5.7	5.6
7.5°	8.5	7.8	6.7	6.7	6.7	5.7	5.6
5°	8.7	7.9	6.7	6.7	6.7	5.6	5.6
2.5°	8.8	7.9	6.7	6.7	6.7	5.6	5.6
0°	9.0	7.9	6.7	6.7	6.7	5.6	5.6
-2.5°	9.9	7.9	6.7	6.7	6.7	5.6	5.6
-5°	10.7	7.9	6.7	6.7	6.7	5.6	5.6
-7.5°	11.5	7.8	6.7	6.7	6.7	5.6	5.6
-10°	12.1	7.8	6.7	6.7	6.7	5.6	5.6
-12.5°	12.6	7.8	6.7	6.7	6.6	5.6	5.6
-15°	13.0	7.7	6.7	6.7	6.6	5.6	5.6
-17.5°	13.1	7.6	6.7	6.7	6.6	5.6	5.6
-20°	13.3	7.5	6.7	6.7	6.6	5.6	5.6



REPORT NUMBER: P701444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	13.7	7.4	6.7	6.7	6.5	5.6	5.6
-25°	13.7	7.6	6.7	6.7	6.5	5.6	5.6
-27.5°	13.4	7.7	6.7	6.7	6.5	5.6	5.6
-30°	12.6	7.8	6.7	6.7	6.4	5.6	5.6
-32.5°	11.3	7.8	6.8	6.7	6.4	5.6	5.6
-35°	10.9	7.7	6.9	6.7	6.3	5.6	5.6
-37.5°	10.8	7.6	7.0	6.7	6.2	5.6	5.6
-40°	10.5	7.7	7.0	6.7	6.2	5.6	5.6
-42.5°	10.1	7.8	7.1	6.7	6.1	5.6	5.6
-45°	9.6	7.8	7.1	6.7	6.1	5.6	5.6
-47.5°	8.9	7.9	7.2	6.8	6.0	5.6	5.6
-50°	8.8	7.9	7.2	6.7	5.9	5.6	5.6
-52.5°	8.8	7.9	7.2	6.6	5.8	5.6	5.6
-55°	8.7	7.8	7.2	6.5	5.8	5.6	5.6
-57.5°	8.6	7.8	7.2	6.4	5.7	5.6	5.6
-60°	8.5	7.7	7.1	6.3	5.6	5.6	5.6
-62.5°	8.4	7.6	7.0	6.2	5.6	5.6	5.6
-65°	8.2	7.5	6.8	6.1	5.6	5.6	5.6
-67.5°	8.0	7.4	6.7	6.0	5.6	5.6	5.6
-70°	7.8	7.2	6.5	5.9	5.6	5.6	5.6
-72.5°	7.6	6.9	6.3	5.8	5.6	5.6	5.6
-75°	7.3	6.7	6.1	5.8	5.6	5.6	5.6
-77.5°	7.0	6.5	6.1	5.8	5.6	5.6	5.6
-80°	6.7	6.3	6.0	5.7	5.6	5.6	5.6
-82.5°	6.4	6.1	5.9	5.7	5.6	5.6	5.6
-85°	6.2	6.0	5.8	5.7	5.6	5.6	5.6
-87.5°	5.9	5.8	5.7	5.6	5.6	5.6	5.6
-90°	5.6	5.6	5.6	5.6	5.6	5.6	5.6

(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

