

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: P731436 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-80-3S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731436 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-57-80-3S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

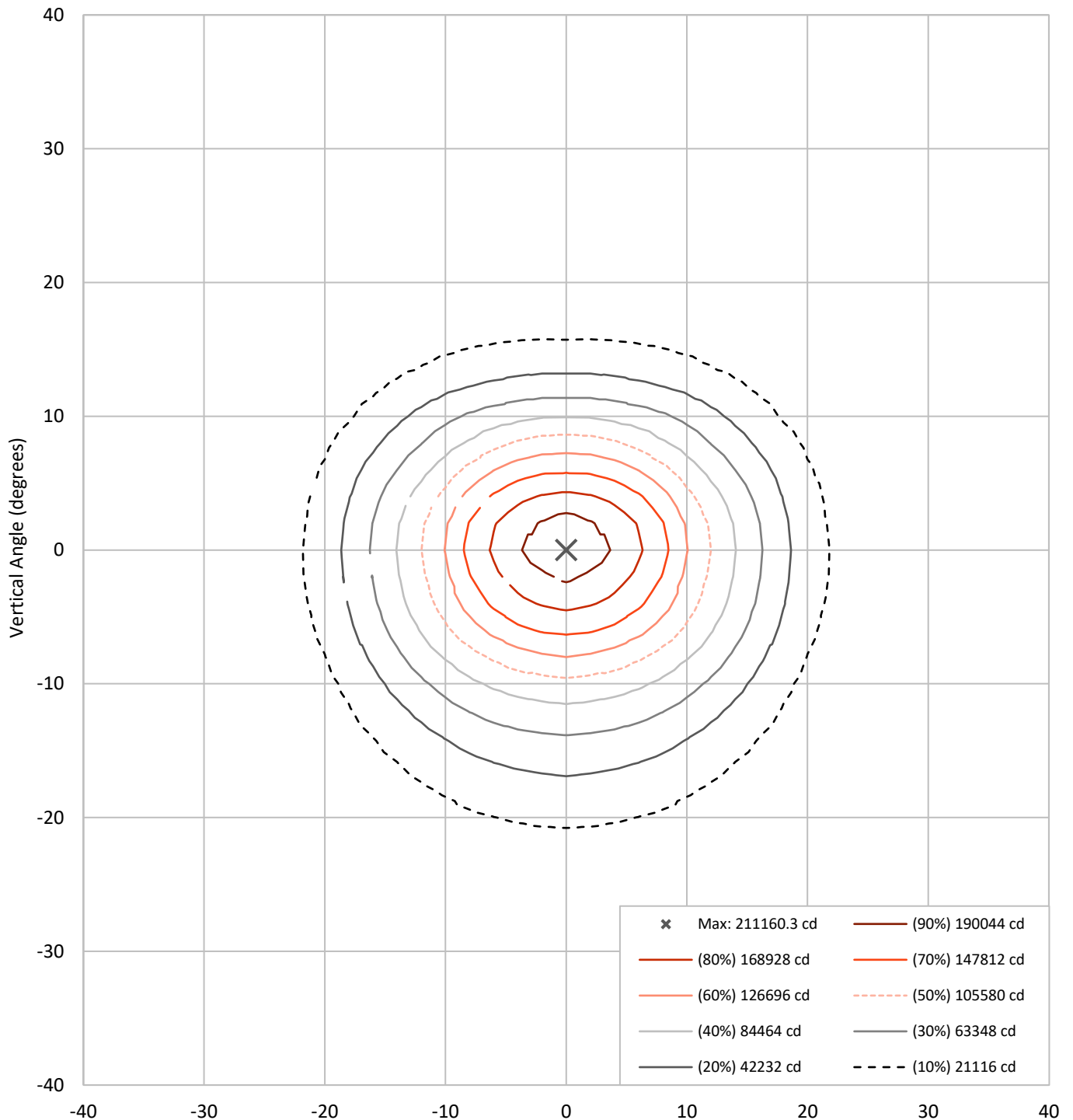
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	35300.8 lumens	Max Intensity:	211160.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	102.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	15100.8 lumens	Field Lumens:	30168 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%

Input Watts (W): 345.8
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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CATALOG NUMBER: EPH-LS-08-0320N-57-80-3S-CV5

Iso-Candela Plot





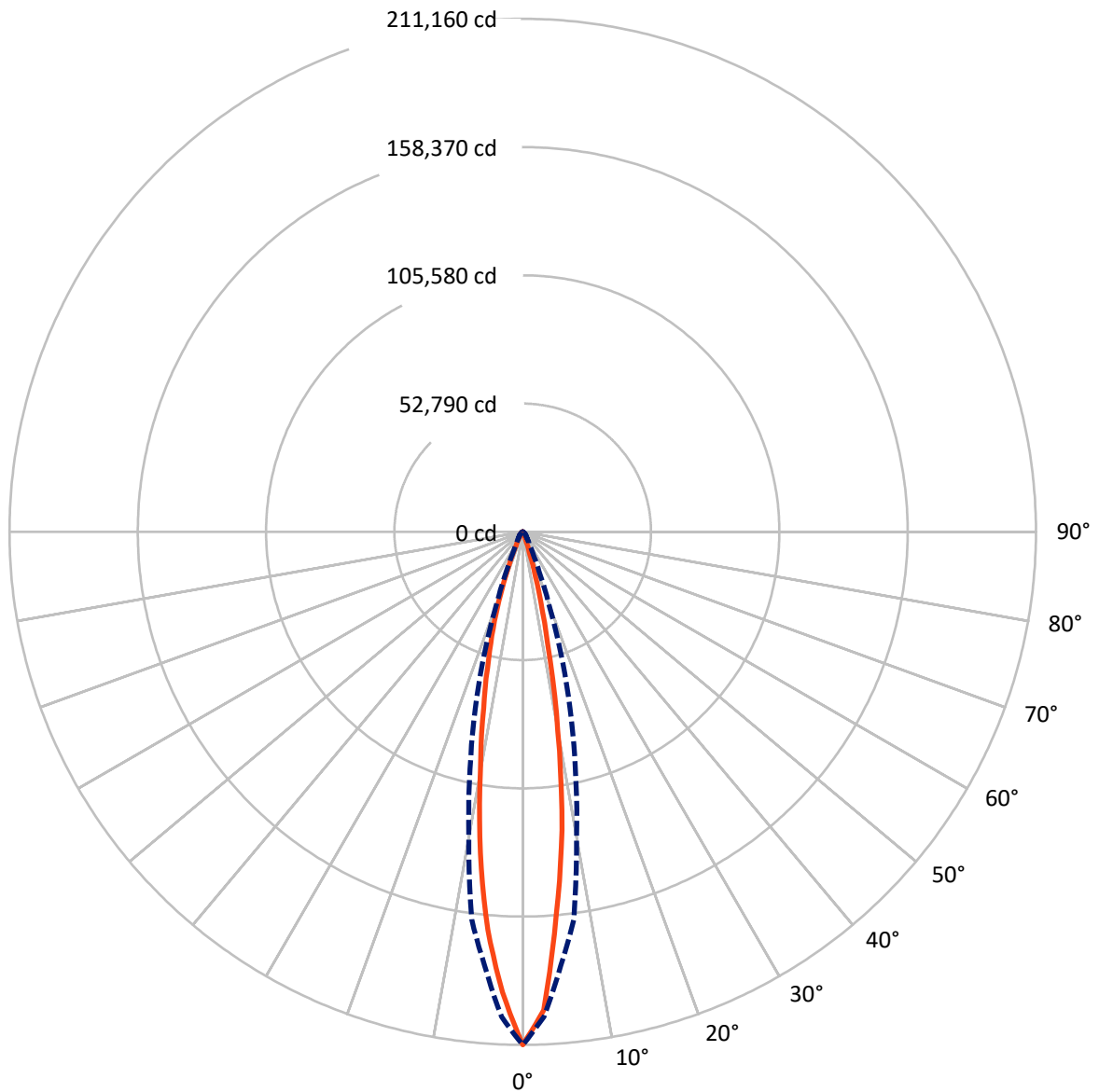
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Lumen Table

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	0.1	0.4	0.5	0.3	0.2	0.1	0.1	0.2	0.3	0.5	0.4	0.1	0.1	0.1		
60		0.1	0.2	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.2	0.1			
50	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1		
40		0.1	0.4	0.5	1.0	1.4	1.7	2.3	2.3	1.7	1.4	1.0	0.5	0.4	0.1			
30	0.2	0.3	1.0	2.5	4.6	7.1	16.0	32.3	32.3	16.0	7.1	4.6	2.5	1.0	0.3	0.2		
20		0.7	3.6	11.6	25.4	68.2	378.1	865.3	865.3	378.1	68.2	25.4	11.6	3.6	0.7			
10	0.2	1.3	7.6	27.4	64.0	281.6	1765.9	4122.1	4122.1	1765.9	281.6	64.0	27.4	7.6	1.3	0.2		
0		1.7	9.1	32.1	71.8	300.1	1883.5	4245.6	4245.6	1883.5	300.1	71.8	32.1	9.1	1.7			
-10	0.4	1.8	7.8	24.4	51.0	129.4	683.9	1539.0	1539.0	683.9	129.4	51.0	24.4	7.8	1.8	0.4		
-20		1.8	6.3	15.3	36.0	61.0	132.4	266.3	266.3	132.4	61.0	36.0	15.3	6.3	1.8			
-30	0.3	1.6	5.0	10.7	23.3	42.1	57.2	66.7	66.7	57.2	42.1	23.3	10.7	5.0	1.6	0.3		
-40		1.1	3.8	8.1	14.5	23.6	36.2	45.5	45.5	36.2	23.6	14.5	8.1	3.8	1.1			
-50	0.2	0.5	2.2	5.1	9.2	13.5	17.1	19.2	19.2	17.1	13.5	9.2	5.1	2.2	0.5	0.2		
-60		0.2	0.8	2.2	4.1	6.4	8.6	9.9	9.9	8.6	6.4	4.1	2.2	0.8	0.2			
-70	0.1	0.5		1.7		4.6		7.0		4.6		1.7		0.5		0.1		
-80		0.5		1.7		4.6		7.0		4.6		1.7		0.5				
-90	0.1		0.5		1.7		4.6		7.0		4.6		1.7		0.5		0.1	

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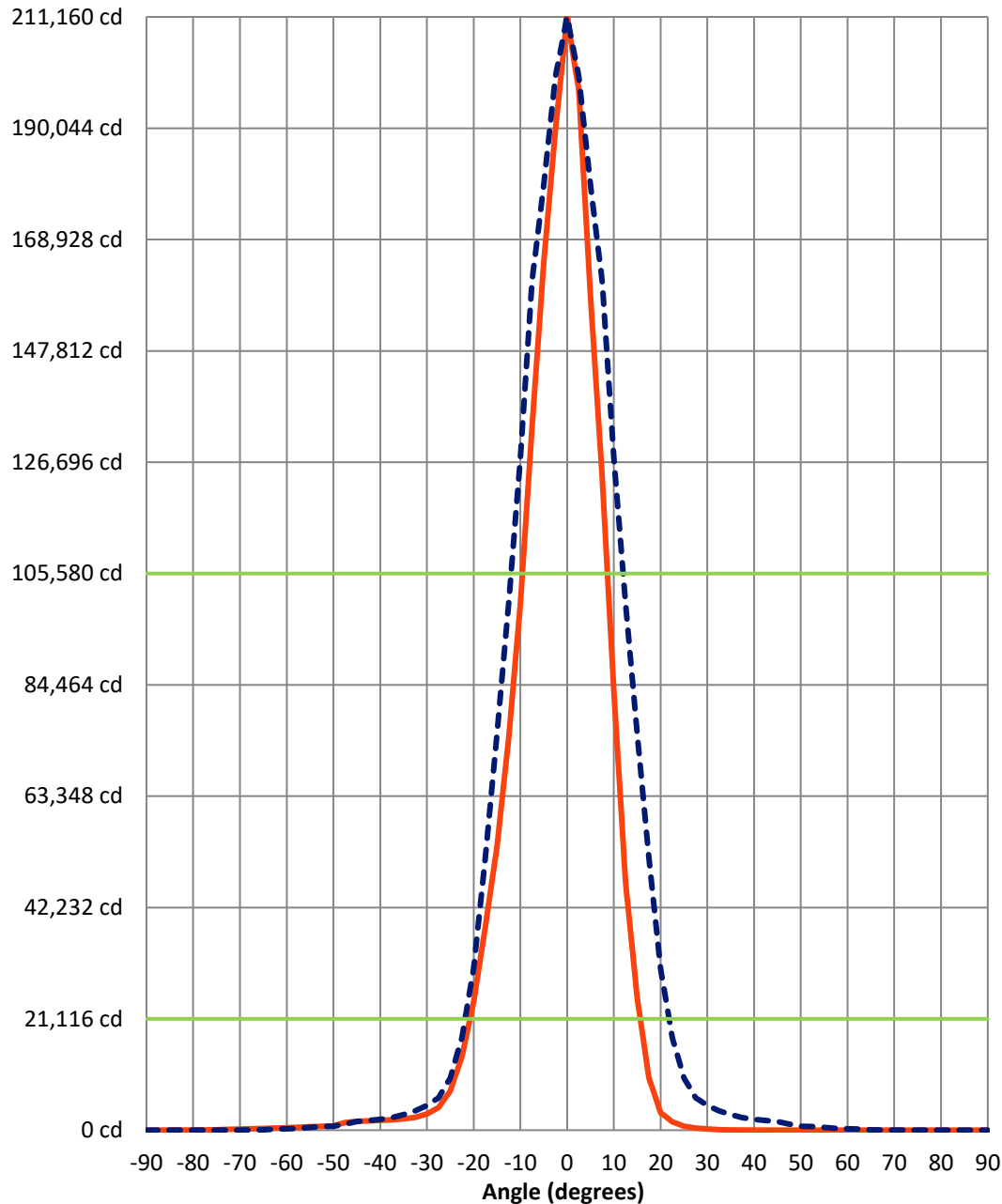
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24°
 V Angle: 18.2°
 Lumens: 15100.8
 Efficiency: 42.8%

Field:
 H Angle: 43.7°
 V Angle: 36.4°
 Lumens: 30168
 Efficiency: 85.5%

Spill:
 Lumens: 5132.8
 Efficiency: 14.5%

— 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	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.9
67.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.9	5.3
65°	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.5	4.9	5.3	5.5
62.5°	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.7	5.2	5.6	5.2
60°	4.5	4.5	4.5	4.5	4.5	4.7	4.7	5.0	5.5	5.4	4.9
57.5°	4.5	4.5	4.5	4.5	4.6	4.8	4.9	5.3	5.5	5.3	4.9
55°	4.5	4.5	4.5	4.5	4.7	4.9	5.1	5.6	5.5	5.2	5.0
52.5°	4.5	4.5	4.5	4.5	4.8	5.1	5.3	5.6	5.5	5.2	5.0
50°	4.5	4.5	4.6	4.5	5.0	5.2	5.5	5.7	5.5	5.3	6.0
47.5°	4.5	4.5	4.6	4.5	5.1	5.3	5.6	5.7	5.6	5.4	7.0
45°	4.5	4.5	4.6	4.6	5.2	5.4	5.7	5.8	5.7	5.9	7.7
42.5°	4.5	4.5	4.7	4.7	5.4	5.5	5.8	6.0	5.8	6.3	8.4
40°	4.5	4.5	4.7	4.9	5.4	5.5	5.9	6.1	6.1	6.5	9.1
37.5°	4.5	4.5	4.8	5.0	5.5	5.6	6.1	6.3	6.6	7.2	9.7
35°	4.5	4.5	4.8	5.1	5.5	5.7	6.2	6.5	7.0	8.4	10.1
32.5°	4.5	4.5	4.8	5.2	5.6	5.8	6.4	6.7	7.5	9.6	11.1
30°	4.5	4.5	4.9	5.3	5.6	5.9	6.6	7.0	8.1	10.8	12.4
27.5°	4.5	4.5	5.0	5.3	5.6	6.0	6.7	7.4	8.8	12.1	13.8
25°	4.5	4.5	5.0	5.4	5.6	6.2	6.9	7.9	9.8	13.3	15.6
22.5°	4.5	4.5	5.1	5.5	5.6	6.3	7.1	8.3	10.8	14.6	18.7
20°	4.5	4.5	5.1	5.5	5.6	6.4	7.4	8.7	11.9	16.0	22.2
17.5°	4.5	4.5	5.2	5.5	5.6	6.4	7.5	9.1	12.9	17.5	26.0
15°	4.5	4.5	5.3	5.6	5.6	6.5	7.6	9.6	13.8	19.1	29.9
12.5°	4.5	4.5	5.3	5.6	5.6	6.6	7.6	10.2	14.9	20.7	34.0
10°	4.5	4.5	5.4	5.6	5.6	6.6	7.7	10.9	16.1	23.3	39.0
7.5°	4.5	4.5	5.4	5.6	5.6	6.7	7.7	11.6	17.2	26.2	45.9
5°	4.5	4.5	5.5	5.6	5.6	6.7	7.8	12.2	18.3	29.1	52.8
2.5°	4.5	4.5	5.5	5.6	5.6	6.7	7.8	12.8	19.2	31.9	59.5
0°	4.5	4.5	5.6	5.6	5.6	6.7	7.8	13.4	20.1	34.6	65.8
-2.5°	4.5	4.5	5.6	5.6	5.7	6.9	8.8	16.0	25.5	42.5	75.4
-5°	4.5	4.5	5.6	5.6	5.8	7.2	9.8	18.4	30.7	50.1	84.2
-7.5°	4.5	4.5	5.6	5.6	5.9	7.4	10.7	20.7	35.5	57.1	92.3
-10°	4.5	4.5	5.6	5.6	6.0	7.5	11.6	22.6	39.8	63.5	99.5
-12.5°	4.5	4.5	5.5	5.6	6.0	7.7	12.3	24.3	43.5	69.3	106.1
-15°	4.5	4.5	5.5	5.6	6.1	7.8	12.8	25.6	46.9	74.6	111.7
-17.5°	4.5	4.5	5.5	5.6	6.1	7.9	13.2	27.0	50.1	79.1	116.3
-20°	4.5	4.5	5.5	5.6	6.2	8.0	13.6	28.4	52.5	82.8	119.7



REPORT NUMBER: P731436 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.5	4.5	5.4	5.6	6.2	8.0	14.0	29.1	54.0	85.6	121.8
-25°	4.5	4.5	5.4	5.6	6.2	8.1	14.1	29.2	54.6	87.6	122.6
-27.5°	4.5	4.5	5.4	5.6	6.2	8.1	13.8	28.5	54.3	88.5	124.3
-30°	4.5	4.5	5.3	5.6	6.1	8.1	13.1	27.1	53.3	87.9	124.9
-32.5°	4.5	4.5	5.3	5.6	6.1	8.1	11.9	26.1	51.6	85.9	124.3
-35°	4.5	4.5	5.2	5.6	6.1	8.0	11.5	24.7	48.9	82.5	122.5
-37.5°	4.5	4.5	5.1	5.6	6.1	7.8	11.3	22.8	45.0	77.7	114.3
-40°	4.5	4.5	5.1	5.6	6.0	7.8	11.0	20.1	40.0	72.1	104.2
-42.5°	4.5	4.5	5.0	5.6	6.0	7.7	10.6	16.9	35.5	63.3	93.1
-45°	4.5	4.5	5.0	5.6	6.0	7.5	10.2	14.4	31.0	53.5	81.1
-47.5°	4.5	4.5	4.9	5.6	6.0	7.3	9.6	13.7	25.5	43.1	69.2
-50°	4.5	4.5	4.8	5.5	5.9	7.1	9.2	12.9	18.9	35.6	56.6
-52.5°	4.5	4.5	4.7	5.4	5.9	6.8	8.8	11.9	15.9	27.7	43.7
-55°	4.5	4.5	4.7	5.3	5.8	6.6	8.4	10.9	14.5	19.5	34.5
-57.5°	4.5	4.5	4.6	5.2	5.7	6.4	7.9	10.2	13.0	16.3	25.0
-60°	4.5	4.5	4.5	5.1	5.6	6.2	7.3	9.4	11.5	14.5	17.6
-62.5°	4.5	4.5	4.5	5.0	5.5	6.0	7.0	8.6	10.6	12.7	15.6
-65°	4.5	4.5	4.5	4.9	5.4	5.7	6.6	7.8	9.6	11.5	13.6
-67.5°	4.5	4.5	4.5	4.8	5.3	5.6	6.1	7.3	8.6	10.4	12.1
-70°	4.5	4.5	4.5	4.7	5.2	5.5	5.7	6.7	8.0	9.2	10.8
-72.5°	4.5	4.5	4.5	4.7	5.1	5.4	5.6	6.1	7.3	8.5	9.6
-75°	4.5	4.5	4.5	4.7	5.0	5.4	5.6	5.9	6.6	7.7	8.8
-77.5°	4.5	4.5	4.5	4.7	5.0	5.3	5.6	5.8	6.3	7.0	7.9
-80°	4.5	4.5	4.5	4.6	4.9	5.2	5.6	5.7	6.0	6.4	7.1
-82.5°	4.5	4.5	4.5	4.6	4.8	5.0	5.3	5.5	5.6	5.8	6.2
-85°	4.5	4.5	4.5	4.6	4.7	4.9	5.1	5.2	5.3	5.3	5.4
-87.5°	4.5	4.5	4.5	4.5	4.6	4.7	4.8	4.8	4.9	4.9	5.0
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5



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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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.8	5.1	5.3
87.5°	4.3	4.2	4.1	4.0	3.8	3.7	3.5	3.3	3.3	3.3	3.3
85°	4.5	4.5	4.5	4.5	4.2	3.9	3.6	3.3	3.3	3.3	3.3
82.5°	4.5	4.5	4.5	4.5	4.2	3.9	3.6	3.5	3.5	3.5	3.4
80°	4.5	4.5	4.5	4.5	4.4	4.3	4.2	4.3	4.2	4.0	3.7
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.3	4.0	3.7
75°	4.5	4.5	4.6	4.5	4.5	4.5	4.5	4.5	4.4	4.3	4.3
72.5°	4.7	4.8	4.8	4.6	4.5	4.5	4.5	4.5	5.3	6.4	7.2
70°	5.1	5.2	4.8	4.6	4.5	4.8	6.1	8.0	10.0	11.4	13.2
67.5°	5.5	4.9	4.6	4.6	5.4	6.9	9.0	13.8	19.1	21.1	21.7
65°	5.0	4.6	4.8	5.5	6.6	10.5	15.8	21.9	26.4	26.1	24.8
62.5°	4.6	4.7	5.2	7.0	10.6	15.5	20.3	24.6	28.9	27.7	23.8
60°	4.6	4.8	6.8	10.5	14.3	17.9	22.3	24.8	26.7	26.6	21.1
57.5°	4.6	6.0	9.7	13.2	16.3	19.0	20.4	22.1	22.8	22.9	17.1
55°	5.4	8.3	11.8	14.9	17.1	16.7	17.2	17.4	17.6	16.4	11.7
52.5°	7.1	10.2	13.1	15.8	16.3	14.6	12.8	12.9	12.1	10.2	8.4
50°	8.5	11.3	14.2	15.9	15.2	12.2	9.4	9.4	8.6	7.4	6.4
47.5°	9.6	12.4	15.1	16.1	13.5	11.0	8.7	7.6	6.8	6.6	5.9
45°	10.5	13.2	16.1	15.0	12.8	10.9	9.0	6.7	7.0	6.9	7.2
42.5°	11.4	13.8	15.4	14.4	13.1	11.7	9.9	8.6	8.0	8.9	9.2
40°	11.7	14.2	14.9	15.1	13.9	13.1	12.9	11.9	10.3	11.7	12.2
37.5°	11.9	14.1	15.5	17.4	15.7	16.1	16.8	17.0	16.1	15.7	17.7
35°	11.9	14.5	18.7	20.9	19.5	20.5	22.4	23.3	23.3	22.9	26.3
32.5°	12.2	15.3	23.1	25.0	26.4	27.6	28.9	31.0	32.9	35.0	40.6
30°	13.8	19.4	28.1	29.6	34.9	40.3	38.8	39.9	44.2	58.2	70.4
27.5°	17.1	25.0	32.5	37.0	45.6	57.1	60.7	53.6	66.3	88.0	108.7
25°	21.1	40.5	37.3	46.2	62.1	79.3	88.9	87.9	100.3	127.7	152.3
22.5°	29.7	60.8	58.8	56.2	81.3	106.6	123.0	151.6	191.8	191.7	200.6
20°	44.6	80.1	86.0	93.5	109.6	137.9	161.4	237.0	320.8	349.3	318.3
17.5°	62.1	101.4	117.0	142.2	178.1	196.3	209.7	339.2	480.8	536.9	554.5
15°	81.5	124.3	150.1	196.6	253.9	286.3	343.5	491.3	658.6	753.8	824.5
12.5°	102.2	148.5	184.7	255.5	335.2	378.0	504.7	718.8	885.4	1000.2	1180.0
10°	123.5	173.4	220.4	317.3	420.3	470.9	677.4	953.0	1127.1	1260.0	1505.9
7.5°	147.0	198.2	255.8	380.4	507.2	564.1	855.8	1189.1	1362.7	1510.7	1788.7
5°	169.9	222.1	287.6	434.1	576.8	642.8	1016.6	1420.8	1591.5	1752.1	2044.0
2.5°	191.0	244.9	318.1	483.5	632.1	697.8	1094.0	1538.7	1724.9	1924.1	2236.9
0°	209.6	266.5	346.8	528.6	682.5	750.5	1155.3	1640.4	1833.3	2059.7	2377.5
-2.5°	213.5	275.1	357.0	527.9	675.7	749.2	1161.2	1644.9	1870.7	2110.0	2421.0
-5°	214.6	282.0	364.9	522.7	664.5	744.8	1149.2	1628.3	1876.8	2097.7	2377.8
-7.5°	213.1	286.9	370.3	512.3	642.7	720.1	1081.5	1527.3	1778.7	1971.2	2234.6
-10°	209.3	286.2	364.3	489.0	607.8	682.6	988.8	1410.9	1676.5	1842.2	2071.7
-12.5°	202.6	280.9	354.7	464.0	572.6	644.2	880.7	1282.0	1573.0	1714.4	1900.1
-15°	195.1	274.5	343.3	438.2	538.1	605.7	758.1	1142.8	1474.3	1618.4	1756.3
-17.5°	187.3	267.3	330.4	412.4	505.5	567.4	625.7	995.0	1349.5	1520.4	1653.7
-20°	179.6	259.4	316.1	387.2	474.9	537.7	585.6	845.2	1174.2	1411.9	1545.7



REPORT NUMBER: P731436 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	172.5	251.1	302.5	367.8	447.8	514.1	562.6	698.6	989.2	1293.9	1438.5
-25°	169.9	239.0	291.4	350.7	422.0	490.3	540.3	574.2	814.4	1116.0	1336.4
-27.5°	170.0	229.0	280.8	332.4	396.1	464.9	514.8	549.8	681.5	941.2	1221.2
-30°	168.5	216.8	269.1	314.6	373.5	435.7	488.4	536.8	578.4	786.4	1033.5
-32.5°	162.1	204.1	255.0	300.6	350.7	407.4	466.8	518.6	563.8	631.4	855.4
-35°	153.5	193.5	239.7	285.7	327.6	382.3	440.6	497.3	545.3	587.3	689.4
-37.5°	145.7	181.5	223.9	269.2	310.4	357.3	412.5	469.3	520.9	570.8	616.9
-40°	136.7	168.2	208.8	251.4	292.5	333.5	383.4	437.0	491.4	548.9	604.5
-42.5°	126.4	157.1	192.7	232.9	271.9	312.0	353.0	403.3	458.0	518.9	576.9
-45°	112.9	144.8	175.8	212.1	249.0	287.9	327.4	368.1	420.9	477.0	537.7
-47.5°	98.2	130.6	160.8	189.8	224.6	260.9	299.3	339.2	380.9	432.0	486.5
-50°	82.8	113.0	143.6	169.8	199.0	232.5	267.8	307.4	347.2	387.3	433.7
-52.5°	67.8	94.2	122.8	150.1	175.2	203.3	236.0	271.9	309.9	348.4	384.3
-55°	52.0	75.9	100.7	127.3	152.7	176.6	202.9	235.2	269.2	304.9	337.7
-57.5°	39.2	57.3	79.3	102.5	127.1	151.3	174.3	197.6	227.0	258.6	286.7
-60°	28.2	41.3	58.2	78.6	99.6	122.4	145.6	167.4	188.8	209.5	234.7
-62.5°	18.5	28.8	40.6	54.9	73.6	92.8	113.4	134.4	155.3	173.2	189.7
-65°	16.2	18.6	26.6	37.4	48.0	65.3	82.7	99.4	117.8	134.3	150.2
-67.5°	13.9	16.0	18.2	21.9	31.6	42.3	53.6	68.8	83.4	95.2	107.1
-70°	12.3	13.6	15.4	17.3	19.3	23.6	33.1	42.9	52.6	61.8	71.9
-72.5°	10.8	12.0	13.2	14.3	16.0	18.1	20.2	22.4	27.8	35.1	42.1
-75°	9.6	10.4	11.5	12.5	13.5	14.8	16.1	17.9	19.7	21.2	22.6
-77.5°	8.5	9.1	9.8	10.6	11.5	12.4	13.4	14.5	15.6	16.8	18.0
-80°	7.4	7.8	8.2	8.8	9.5	10.2	10.9	11.6	12.3	13.1	14.0
-82.5°	6.4	6.7	6.9	7.2	7.6	8.1	8.7	9.3	9.5	9.7	10.0
-85°	5.5	5.6	5.8	5.9	6.1	6.4	6.7	7.0	7.0	7.1	7.1
-87.5°	5.0	5.0	5.1	5.1	5.2	5.2	5.2	5.3	5.4	5.5	5.5
-90°	4.2	3.9	3.6	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3



REPORT NUMBER: P731436 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.6	5.9	6.1	6.4	6.7	9.2	11.7	14.2	16.7	20.9	25.1
87.5°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	1.1	1.1
85°	3.3	3.0	2.8	2.5	2.2	2.2	2.1	2.1	2.1	1.9	1.6
82.5°	3.3	3.0	2.8	2.5	2.2	2.2	2.2	2.2	2.2	1.9	1.7
80°	3.3	3.2	3.0	2.9	2.9	2.8	2.6	2.4	2.2	2.2	2.2
77.5°	3.5	3.5	3.5	3.5	3.3	3.1	2.8	2.5	2.2	2.2	2.2
75°	4.4	4.5	4.6	4.4	4.0	3.7	3.6	3.3	3.1	2.9	2.7
72.5°	7.8	7.9	7.5	7.2	6.6	6.2	6.3	6.2	6.0	5.9	5.8
70°	14.3	14.5	13.9	12.6	10.7	9.4	8.8	8.0	7.1	6.7	6.6
67.5°	20.3	18.7	16.8	15.0	12.6	10.5	9.3	8.2	7.1	6.6	6.3
65°	22.3	18.2	15.2	12.8	11.0	9.4	8.2	7.0	5.8	5.0	4.8
62.5°	19.4	14.5	11.5	9.7	8.4	7.6	6.4	5.3	4.3	3.7	3.9
60°	15.8	10.7	7.9	6.9	6.2	5.6	4.9	4.2	3.7	3.3	3.4
57.5°	11.8	7.8	5.6	5.5	5.2	4.7	4.3	4.0	3.6	3.3	3.3
55°	8.2	6.5	5.6	5.3	5.0	4.7	4.4	4.0	3.7	3.3	3.3
52.5°	6.4	5.9	5.6	5.4	5.1	4.8	4.5	4.1	3.7	3.4	3.3
50°	5.8	5.7	5.7	5.5	5.2	4.9	4.5	4.3	4.2	4.1	4.2
47.5°	6.0	6.2	6.0	5.6	5.4	5.5	5.5	5.5	5.5	5.3	5.3
45°	6.8	6.9	6.8	6.7	6.5	7.1	7.5	7.5	8.7	8.3	7.0
42.5°	8.5	8.9	9.4	10.0	9.2	11.7	15.8	18.5	15.8	12.5	10.6
40°	12.9	13.2	16.0	17.5	20.7	24.4	22.2	18.6	16.6	17.7	18.3
37.5°	20.3	23.7	28.3	33.5	32.3	26.8	27.4	27.3	26.4	28.6	28.8
35°	33.1	41.5	45.4	46.7	44.4	42.6	44.2	45.7	42.3	47.7	49.4
32.5°	54.2	64.4	66.7	64.3	64.5	68.3	71.1	76.2	81.3	89.4	99.1
30°	79.9	90.9	96.1	91.3	92.3	101.2	106.9	118.5	137.0	158.1	184.5
27.5°	118.4	126.5	135.9	137.2	132.8	145.8	166.2	178.3	228.0	260.9	320.2
25°	169.1	181.7	190.0	204.0	211.5	227.2	266.2	303.8	380.2	454.6	580.8
22.5°	235.7	276.4	291.4	289.2	333.2	375.5	408.7	514.0	664.4	884.6	1132.5
20°	323.7	407.3	478.4	501.4	517.0	628.6	743.4	1070.0	1444.5	2069.5	2555.4
17.5°	583.5	611.0	767.1	894.0	954.4	1190.8	1726.5	2548.8	3962.1	5895.9	7084.9
15°	974.2	1052.7	1209.1	1477.7	1810.2	2436.6	3330.9	5952.5	9577.3	13538.4	17309.7
12.5°	1405.6	1569.4	1855.9	2251.5	2779.3	4566.7	7452.9	12385.1	19095.8	25958.7	34711.5
10°	1806.0	2135.3	2605.6	3273.3	4628.4	7682.0	12540.2	20924.2	32810.8	45205.3	57587.7
7.5°	2132.6	2603.7	3291.5	4291.7	6720.4	11622.9	19590.3	31943.0	47183.5	63129.6	79918.4
5°	2462.4	3058.8	3887.2	5097.4	8091.3	14667.5	25265.0	42176.3	61844.4	81936.9	103094.5
2.5°	2748.3	3446.0	4405.1	5818.9	9013.1	16315.4	28688.4	49512.3	72604.7	96648.6	123596.2
0°	2959.6	3670.0	4689.2	6160.1	9921.5	17598.3	30692.4	51680.8	75168.2	99991.0	127532.5
-2.5°	2930.2	3572.6	4496.5	5956.2	9605.9	17366.8	29440.7	49895.4	72882.8	96151.8	120715.2
-5°	2796.4	3355.0	4182.9	5489.4	8515.9	15067.9	26419.7	45270.8	66646.1	87910.2	109765.6
-7.5°	2592.3	3075.7	3801.2	4923.7	7259.0	12418.3	21852.2	36598.5	54975.5	73149.1	90008.6
-10°	2381.5	2775.2	3363.3	4250.2	5916.1	9521.1	16192.3	27216.4	42499.1	57465.6	70385.5
-12.5°	2183.4	2476.6	2894.8	3512.4	4539.1	7127.7	12164.9	20207.9	30416.3	41923.2	53110.5
-15°	1998.6	2215.4	2515.7	3013.8	3835.5	5370.9	8105.5	13465.5	20646.0	28678.0	36411.4
-17.5°	1829.2	2007.9	2242.3	2592.9	3102.1	4051.6	5967.3	9031.8	13367.0	19080.3	24420.7
-20°	1677.3	1839.3	2014.6	2277.3	2668.3	3227.1	4170.2	6072.7	8574.4	12175.4	15707.2



REPORT NUMBER: P731436 (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°	1558.5	1685.6	1821.9	2022.9	2348.8	2745.1	3213.9	3993.3	5370.2	7217.4	9309.2
-25°	1449.8	1544.0	1685.4	1901.7	2124.9	2389.3	2673.5	2986.1	3597.1	4191.2	5286.4
-27.5°	1346.5	1445.9	1593.2	1788.3	1992.0	2115.5	2297.3	2490.3	2782.6	3040.6	3476.9
-30°	1260.4	1364.7	1489.7	1654.4	1825.9	1942.2	2036.8	2176.5	2338.6	2500.4	2688.1
-32.5°	1098.5	1297.5	1384.1	1509.7	1664.2	1786.5	1870.2	1974.0	2060.6	2161.2	2263.1
-35°	921.4	1140.9	1320.1	1401.3	1508.1	1644.2	1763.2	1846.5	1913.6	1975.6	2034.1
-37.5°	721.0	949.2	1144.9	1309.7	1407.4	1498.6	1624.8	1736.9	1817.6	1860.3	1898.3
-40°	644.7	710.6	917.4	1106.3	1253.5	1396.2	1494.5	1604.4	1697.7	1756.7	1800.8
-42.5°	631.6	665.5	692.2	835.4	1013.9	1166.8	1297.0	1425.2	1539.2	1623.8	1692.0
-45°	596.4	636.6	674.2	700.6	728.1	863.3	1008.7	1150.3	1279.0	1394.1	1494.7
-47.5°	539.4	587.5	627.6	666.0	695.9	719.4	746.7	791.8	912.3	1030.5	1142.9
-50°	477.5	521.1	564.6	605.9	638.3	666.8	693.1	715.5	738.1	761.7	784.2
-52.5°	416.4	455.3	494.0	530.3	564.8	597.3	627.6	649.8	668.9	685.6	698.2
-55°	368.2	397.1	425.4	456.1	486.8	515.5	541.8	565.9	587.7	607.3	622.3
-57.5°	315.0	343.4	370.4	393.4	415.8	437.5	459.8	481.1	500.0	516.3	529.5
-60°	259.5	283.7	307.7	330.4	352.0	372.4	390.6	407.5	422.6	435.6	445.4
-62.5°	205.8	225.0	246.6	266.3	283.7	300.3	319.1	336.1	351.1	363.6	372.9
-65°	165.3	179.0	194.6	209.8	224.8	241.0	257.4	272.0	284.8	295.3	303.6
-67.5°	120.5	134.0	149.1	162.8	175.4	189.1	204.8	219.2	232.4	243.0	251.7
-70°	81.2	90.8	102.7	115.5	127.9	140.9	155.2	169.0	182.2	192.3	200.6
-72.5°	48.7	55.0	61.4	69.7	78.5	89.2	101.2	113.3	125.3	134.0	140.8
-75°	23.8	26.4	31.6	36.5	40.9	46.6	52.7	58.5	63.8	67.7	70.9
-77.5°	19.3	20.6	21.8	22.9	24.0	26.5	29.5	32.6	35.8	38.3	40.7
-80°	14.9	15.6	16.4	17.3	18.2	20.1	22.2	24.3	26.4	28.0	29.4
-82.5°	10.4	10.8	11.1	11.5	11.8	13.2	14.6	16.0	17.3	18.6	19.8
-85°	7.0	7.1	7.2	7.3	7.4	8.8	10.2	11.7	13.1	14.3	15.5
-87.5°	5.6	5.6	5.7	5.7	5.7	6.9	8.0	9.1	10.2	11.4	12.4
-90°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.6



REPORT NUMBER: P731436 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	29.3	33.5	30.7	27.9	30.7	33.5	29.3	25.1	20.9	16.7	14.2
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
85°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.6	1.9	2.1	2.1
82.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5
75°	2.5	2.2	2.7	3.3	2.7	2.2	2.5	2.7	2.9	3.1	3.3
72.5°	5.7	5.5	5.6	5.6	5.6	5.5	5.7	5.8	5.9	6.0	6.2
70°	6.6	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.7	7.1	8.0
67.5°	6.0	5.7	5.6	5.6	5.6	5.7	6.0	6.3	6.6	7.1	8.2
65°	4.6	4.5	4.5	4.5	4.5	4.5	4.6	4.8	5.0	5.8	7.0
62.5°	4.1	4.4	4.5	4.5	4.5	4.4	4.1	3.9	3.7	4.3	5.3
60°	3.4	3.4	3.3	3.3	3.3	3.4	3.4	3.4	3.3	3.7	4.2
57.5°	3.3	3.3	3.8	4.5	3.8	3.3	3.3	3.3	3.3	3.6	4.0
55°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.7	4.0
52.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.7	4.1
50°	4.3	4.4	4.5	4.5	4.5	4.4	4.3	4.2	4.1	4.2	4.3
47.5°	5.4	5.5	5.2	4.5	5.2	5.5	5.4	5.3	5.3	5.5	5.5
45°	7.0	6.8	6.7	6.7	6.7	6.8	7.0	7.0	8.3	8.7	7.5
42.5°	10.9	11.0	11.1	11.2	11.1	11.0	10.9	10.6	12.5	15.8	18.5
40°	19.3	19.8	19.9	20.1	19.9	19.8	19.3	18.3	17.7	16.6	18.6
37.5°	29.1	29.7	29.8	30.1	29.8	29.7	29.1	28.8	28.6	26.4	27.3
35°	49.2	49.1	47.4	48.0	47.4	49.1	49.2	49.4	47.7	42.3	45.7
32.5°	105.7	106.5	101.0	92.6	101.0	106.5	105.7	99.1	89.4	81.3	76.2
30°	204.3	221.7	233.5	234.2	233.5	221.7	204.3	184.5	158.1	137.0	118.5
27.5°	359.9	387.1	398.6	404.8	398.6	387.1	359.9	320.2	260.9	228.0	178.3
25°	679.9	742.3	775.9	750.5	775.9	742.3	679.9	580.8	454.6	380.2	303.8
22.5°	1368.1	1487.4	1589.0	1594.7	1589.0	1487.4	1368.1	1132.5	884.6	664.4	514.0
20°	3230.9	3203.8	3460.8	3332.1	3460.8	3203.8	3230.9	2555.4	2069.5	1444.5	1070.0
17.5°	9164.4	10178.1	10738.3	9971.7	10738.3	10178.1	9164.4	7084.9	5895.9	3962.1	2548.8
15°	21068.5	23597.3	25308.4	25089.9	25308.4	23597.3	21068.5	17309.7	13538.4	9577.3	5952.5
12.5°	39614.2	43769.8	47311.9	47163.3	47311.9	43769.8	39614.2	34711.5	25958.7	19095.8	12385.1
10°	68619.5	75864.6	82616.5	83320.0	82616.5	75864.6	68619.5	57587.7	45205.3	32810.8	20924.2
7.5°	95342.6	111657.5	121382.5	123877.6	121382.5	111657.5	95342.6	79918.4	63129.6	47183.5	31943.0
5°	128804.4	147697.7	157918.8	158191.5	157918.8	147697.7	128804.4	103094.5	81936.9	61844.4	42176.3
2.5°	153575.5	174857.5	187407.5	197117.7	187407.5	174857.5	153575.5	123596.2	96648.6	72604.7	49512.3
0°	160942.6	179295.8	199774.6	211160.3	199774.6	179295.8	160942.6	127532.5	99991.0	75168.2	51680.8
-2.5°	151071.0	170286.6	180452.4	189713.6	180452.4	170286.6	151071.0	120715.2	96151.8	72882.8	49895.4
-5°	132317.7	152670.1	162437.3	164522.2	162437.3	152670.1	132317.7	109765.6	87910.2	66646.1	45270.8
-7.5°	105285.4	119610.2	129498.5	133376.5	129498.5	119610.2	105285.4	90008.6	73149.1	54975.5	36598.5
-10°	82400.2	91650.2	96598.5	99888.9	96598.5	91650.2	82400.2	70385.5	57465.6	42499.1	27216.4
-12.5°	62127.4	68814.1	72694.9	74384.2	72694.9	68814.1	62127.4	53110.5	41923.2	30416.3	20207.9
-15°	44221.9	49513.0	52140.9	53814.1	52140.9	49513.0	44221.9	36411.4	28678.0	20646.0	13465.5
-17.5°	30297.8	34552.3	36977.2	38554.3	36977.2	34552.3	30297.8	24420.7	19080.3	13367.0	9031.8
-20°	19385.4	21918.6	23784.5	24328.2	23784.5	21918.6	19385.4	15707.2	12175.4	8574.4	6072.7



REPORT NUMBER: P731436 (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°	11326.2	12817.7	13757.5	13970.7	13757.5	12817.7	11326.2	9309.2	7217.4	5370.2	3993.3
-25°	6158.4	6808.2	7301.2	7468.2	7301.2	6808.2	6158.4	5286.4	4191.2	3597.1	2986.1
-27.5°	3781.8	4033.1	4215.2	4309.0	4215.2	4033.1	3781.8	3476.9	3040.6	2782.6	2490.3
-30°	2844.5	2959.1	3027.6	3073.4	3027.6	2959.1	2844.5	2688.1	2500.4	2338.6	2176.5
-32.5°	2335.5	2386.8	2417.7	2438.8	2417.7	2386.8	2335.5	2263.1	2161.2	2060.6	1974.0
-35°	2080.3	2113.6	2136.5	2147.8	2136.5	2113.6	2080.3	2034.1	1975.6	1913.6	1846.5
-37.5°	1926.6	1947.6	1962.8	1971.6	1962.8	1947.6	1926.6	1898.3	1860.3	1817.6	1736.9
-40°	1821.8	1836.5	1848.7	1862.3	1848.7	1836.5	1821.8	1800.8	1756.7	1697.7	1604.4
-42.5°	1726.2	1748.0	1759.0	1761.9	1759.0	1748.0	1726.2	1692.0	1623.8	1539.2	1425.2
-45°	1571.7	1632.4	1669.7	1681.7	1669.7	1632.4	1571.7	1494.7	1394.1	1279.0	1150.3
-47.5°	1246.2	1337.0	1405.6	1447.5	1405.6	1337.0	1246.2	1142.9	1030.5	912.3	791.8
-50°	805.2	824.4	832.0	827.4	832.0	824.4	805.2	784.2	761.7	738.1	715.5
-52.5°	708.2	715.9	722.4	727.1	722.4	715.9	708.2	698.2	685.6	668.9	649.8
-55°	634.1	642.8	651.0	657.9	651.0	642.8	634.1	622.3	607.3	587.7	565.9
-57.5°	540.6	549.4	552.7	552.0	552.7	549.4	540.6	529.5	516.3	500.0	481.1
-60°	453.5	459.7	464.4	467.3	464.4	459.7	453.5	445.4	435.6	422.6	407.5
-62.5°	380.3	385.7	391.8	397.0	391.8	385.7	380.3	372.9	363.6	351.1	336.1
-65°	310.5	316.3	320.9	324.5	320.9	316.3	310.5	303.6	295.3	284.8	272.0
-67.5°	259.4	266.3	271.4	275.4	271.4	266.3	259.4	251.7	243.0	232.4	219.2
-70°	208.1	215.0	219.0	221.9	219.0	215.0	208.1	200.6	192.3	182.2	169.0
-72.5°	146.7	151.6	153.9	155.0	153.9	151.6	146.7	140.8	134.0	125.3	113.3
-75°	73.7	76.1	78.4	80.3	78.4	76.1	73.7	70.9	67.7	63.8	58.5
-77.5°	43.1	45.3	46.8	48.0	46.8	45.3	43.1	40.7	38.3	35.8	32.6
-80°	30.8	32.1	33.4	34.6	33.4	32.1	30.8	29.4	28.0	26.4	24.3
-82.5°	21.0	22.2	22.8	23.4	22.8	22.2	21.0	19.8	18.6	17.3	16.0
-85°	16.6	17.8	18.4	19.0	18.4	17.8	16.6	15.5	14.3	13.1	11.7
-87.5°	13.5	14.6	15.1	15.6	15.1	14.6	13.5	12.4	11.4	10.2	9.1
-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°	11.7	9.2	6.7	6.4	6.1	5.9	5.6	5.3	5.1	4.8	4.5
87.5°	1.7	1.9	2.2	2.5	2.8	3.0	3.3	3.3	3.3	3.3	3.3
85°	2.1	2.2	2.2	2.5	2.8	3.0	3.3	3.3	3.3	3.3	3.3
82.5°	2.2	2.2	2.2	2.5	2.8	3.0	3.3	3.4	3.5	3.5	3.5
80°	2.6	2.8	2.9	2.9	3.0	3.2	3.3	3.7	4.0	4.2	4.3
77.5°	2.8	3.1	3.3	3.5	3.5	3.5	3.5	3.7	4.0	4.3	4.5
75°	3.6	3.7	4.0	4.4	4.6	4.5	4.4	4.3	4.3	4.4	4.5
72.5°	6.3	6.2	6.6	7.2	7.5	7.9	7.8	7.2	6.4	5.3	4.5
70°	8.8	9.4	10.7	12.6	13.9	14.5	14.3	13.2	11.4	10.0	8.0
67.5°	9.3	10.5	12.6	15.0	16.8	18.7	20.3	21.7	21.1	19.1	13.8
65°	8.2	9.4	11.0	12.8	15.2	18.2	22.3	24.8	26.1	26.4	21.9
62.5°	6.4	7.6	8.4	9.7	11.5	14.5	19.4	23.8	27.7	28.9	24.6
60°	4.9	5.6	6.2	6.9	7.9	10.7	15.8	21.1	26.6	26.7	24.8
57.5°	4.3	4.7	5.2	5.5	5.6	7.8	11.8	17.1	22.9	22.8	22.1
55°	4.4	4.7	5.0	5.3	5.6	6.5	8.2	11.7	16.4	17.6	17.4
52.5°	4.5	4.8	5.1	5.4	5.6	5.9	6.4	8.4	10.2	12.1	12.9
50°	4.5	4.9	5.2	5.5	5.7	5.7	5.8	6.4	7.4	8.6	9.4
47.5°	5.5	5.5	5.4	5.6	6.0	6.2	6.0	5.9	6.6	6.8	7.6
45°	7.5	7.1	6.5	6.7	6.8	6.9	6.8	7.2	6.9	7.0	6.7
42.5°	15.8	11.7	9.2	10.0	9.4	8.9	8.5	9.2	8.9	8.0	8.6
40°	22.2	24.4	20.7	17.5	16.0	13.2	12.9	12.2	11.7	10.3	11.9
37.5°	27.4	26.8	32.3	33.5	28.3	23.7	20.3	17.7	15.7	16.1	17.0
35°	44.2	42.6	44.4	46.7	45.4	41.5	33.1	26.3	22.9	23.3	23.3
32.5°	71.1	68.3	64.5	64.3	66.7	64.4	54.2	40.6	35.0	32.9	31.0
30°	106.9	101.2	92.3	91.3	96.1	90.9	79.9	70.4	58.2	44.2	39.9
27.5°	166.2	145.8	132.8	137.2	135.9	126.5	118.4	108.7	88.0	66.3	53.6
25°	266.2	227.2	211.5	204.0	190.0	181.7	169.1	152.3	127.7	100.3	87.9
22.5°	408.7	375.5	333.2	289.2	291.4	276.4	235.7	200.6	191.7	191.8	151.6
20°	743.4	628.6	517.0	501.4	478.4	407.3	323.7	318.3	349.3	320.8	237.0
17.5°	1726.5	1190.8	954.4	894.0	767.1	611.0	583.5	554.5	536.9	480.8	339.2
15°	3330.9	2436.6	1810.2	1477.7	1209.1	1052.7	974.2	824.5	753.8	658.6	491.3
12.5°	7452.9	4566.7	2779.3	2251.5	1855.9	1569.4	1405.6	1180.0	1000.2	885.4	718.8
10°	12540.2	7682.0	4628.4	3273.3	2605.6	2135.3	1806.0	1505.9	1260.0	1127.1	953.0
7.5°	19590.3	11622.9	6720.4	4291.7	3291.5	2603.7	2132.6	1788.7	1510.7	1362.7	1189.1
5°	25265.0	14667.5	8091.3	5097.4	3887.2	3058.8	2462.4	2044.0	1752.1	1591.5	1420.8
2.5°	28688.4	16315.4	9013.1	5818.9	4405.1	3446.0	2748.3	2236.9	1924.1	1724.9	1538.7
0°	30692.4	17598.3	9921.5	6160.1	4689.2	3670.0	2959.6	2377.5	2059.7	1833.3	1640.4
-2.5°	29440.7	17366.8	9605.9	5956.2	4496.5	3572.6	2930.2	2421.0	2110.0	1870.7	1644.9
-5°	26419.7	15067.9	8515.9	5489.4	4182.9	3355.0	2796.4	2377.8	2097.7	1876.8	1628.3
-7.5°	21852.2	12418.3	7259.0	4923.7	3801.2	3075.7	2592.3	2234.6	1971.2	1778.7	1527.3
-10°	16192.3	9521.1	5916.1	4250.2	3363.3	2775.2	2381.5	2071.7	1842.2	1676.5	1410.9
-12.5°	12164.9	7127.7	4539.1	3512.4	2894.8	2476.6	2183.4	1900.1	1714.4	1573.0	1282.0
-15°	8105.5	5370.9	3835.5	3013.8	2515.7	2215.4	1998.6	1756.3	1618.4	1474.3	1142.8
-17.5°	5967.3	4051.6	3102.1	2592.9	2242.3	2007.9	1829.2	1653.7	1520.4	1349.5	995.0
-20°	4170.2	3227.1	2668.3	2277.3	2014.6	1839.3	1677.3	1545.7	1411.9	1174.2	845.2



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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°	3213.9	2745.1	2348.8	2022.9	1821.9	1685.6	1558.5	1438.5	1293.9	989.2	698.6
-25°	2673.5	2389.3	2124.9	1901.7	1685.4	1544.0	1449.8	1336.4	1116.0	814.4	574.2
-27.5°	2297.3	2115.5	1992.0	1788.3	1593.2	1445.9	1346.5	1221.2	941.2	681.5	549.8
-30°	2036.8	1942.2	1825.9	1654.4	1489.7	1364.7	1260.4	1033.5	786.4	578.4	536.8
-32.5°	1870.2	1786.5	1664.2	1509.7	1384.1	1297.5	1098.5	855.4	631.4	563.8	518.6
-35°	1763.2	1644.2	1508.1	1401.3	1320.1	1140.9	921.4	689.4	587.3	545.3	497.3
-37.5°	1624.8	1498.6	1407.4	1309.7	1144.9	949.2	721.0	616.9	570.8	520.9	469.3
-40°	1494.5	1396.2	1253.5	1106.3	917.4	710.6	644.7	604.5	548.9	491.4	437.0
-42.5°	1297.0	1166.8	1013.9	835.4	692.2	665.5	631.6	576.9	518.9	458.0	403.3
-45°	1008.7	863.3	728.1	700.6	674.2	636.6	596.4	537.7	477.0	420.9	368.1
-47.5°	746.7	719.4	695.9	666.0	627.6	587.5	539.4	486.5	432.0	380.9	339.2
-50°	693.1	666.8	638.3	605.9	564.6	521.1	477.5	433.7	387.3	347.2	307.4
-52.5°	627.6	597.3	564.8	530.3	494.0	455.3	416.4	384.3	348.4	309.9	271.9
-55°	541.8	515.5	486.8	456.1	425.4	397.1	368.2	337.7	304.9	269.2	235.2
-57.5°	459.8	437.5	415.8	393.4	370.4	343.4	315.0	286.7	258.6	227.0	197.6
-60°	390.6	372.4	352.0	330.4	307.7	283.7	259.5	234.7	209.5	188.8	167.4
-62.5°	319.1	300.3	283.7	266.3	246.6	225.0	205.8	189.7	173.2	155.3	134.4
-65°	257.4	241.0	224.8	209.8	194.6	179.0	165.3	150.2	134.3	117.8	99.4
-67.5°	204.8	189.1	175.4	162.8	149.1	134.0	120.5	107.1	95.2	83.4	68.8
-70°	155.2	140.9	127.9	115.5	102.7	90.8	81.2	71.9	61.8	52.6	42.9
-72.5°	101.2	89.2	78.5	69.7	61.4	55.0	48.7	42.1	35.1	27.8	22.4
-75°	52.7	46.6	40.9	36.5	31.6	26.4	23.8	22.6	21.2	19.7	17.9
-77.5°	29.5	26.5	24.0	22.9	21.8	20.6	19.3	18.0	16.8	15.6	14.5
-80°	22.2	20.1	18.2	17.3	16.4	15.6	14.9	14.0	13.1	12.3	11.6
-82.5°	14.6	13.2	11.8	11.5	11.1	10.8	10.4	10.0	9.7	9.5	9.3
-85°	10.2	8.8	7.4	7.3	7.2	7.1	7.0	7.1	7.1	7.0	7.0
-87.5°	8.0	6.9	5.7	5.7	5.7	5.6	5.6	5.5	5.5	5.4	5.3
-90°	1.7	1.9	2.2	2.5	2.8	3.0	3.3	3.3	3.3	3.3	3.3



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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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	3.5	3.7	3.8	4.0	4.1	4.2	4.3	4.5	4.5	4.5	4.5
85°	3.6	3.9	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	3.6	3.9	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	4.2	4.3	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	4.5	4.5	4.5	4.6	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.6	4.8	4.8	4.7	4.5	4.5	4.5	4.5
70°	6.1	4.8	4.5	4.6	4.8	5.2	5.1	4.9	4.5	4.5	4.5
67.5°	9.0	6.9	5.4	4.6	4.6	4.9	5.5	5.3	4.9	4.5	4.5
65°	15.8	10.5	6.6	5.5	4.8	4.6	5.0	5.5	5.3	4.9	4.5
62.5°	20.3	15.5	10.6	7.0	5.2	4.7	4.6	5.2	5.6	5.2	4.7
60°	22.3	17.9	14.3	10.5	6.8	4.8	4.6	4.9	5.4	5.5	5.0
57.5°	20.4	19.0	16.3	13.2	9.7	6.0	4.6	4.9	5.3	5.5	5.3
55°	17.2	16.7	17.1	14.9	11.8	8.3	5.4	5.0	5.2	5.5	5.6
52.5°	12.8	14.6	16.3	15.8	13.1	10.2	7.1	5.0	5.2	5.5	5.6
50°	9.4	12.2	15.2	15.9	14.2	11.3	8.5	6.0	5.3	5.5	5.7
47.5°	8.7	11.0	13.5	16.1	15.1	12.4	9.6	7.0	5.4	5.6	5.7
45°	9.0	10.9	12.8	15.0	16.1	13.2	10.5	7.7	5.9	5.7	5.8
42.5°	9.9	11.7	13.1	14.4	15.4	13.8	11.4	8.4	6.3	5.8	6.0
40°	12.9	13.1	13.9	15.1	14.9	14.2	11.7	9.1	6.5	6.1	6.1
37.5°	16.8	16.1	15.7	17.4	15.5	14.1	11.9	9.7	7.2	6.6	6.3
35°	22.4	20.5	19.5	20.9	18.7	14.5	11.9	10.1	8.4	7.0	6.5
32.5°	28.9	27.6	26.4	25.0	23.1	15.3	12.2	11.1	9.6	7.5	6.7
30°	38.8	40.3	34.9	29.6	28.1	19.4	13.8	12.4	10.8	8.1	7.0
27.5°	60.7	57.1	45.6	37.0	32.5	25.0	17.1	13.8	12.1	8.8	7.4
25°	88.9	79.3	62.1	46.2	37.3	40.5	21.1	15.6	13.3	9.8	7.9
22.5°	123.0	106.6	81.3	56.2	58.8	60.8	29.7	18.7	14.6	10.8	8.3
20°	161.4	137.9	109.6	93.5	86.0	80.1	44.6	22.2	16.0	11.9	8.7
17.5°	209.7	196.3	178.1	142.2	117.0	101.4	62.1	26.0	17.5	12.9	9.1
15°	343.5	286.3	253.9	196.6	150.1	124.3	81.5	29.9	19.1	13.8	9.6
12.5°	504.7	378.0	335.2	255.5	184.7	148.5	102.2	34.0	20.7	14.9	10.2
10°	677.4	470.9	420.3	317.3	220.4	173.4	123.5	39.0	23.3	16.1	10.9
7.5°	855.8	564.1	507.2	380.4	255.8	198.2	147.0	45.9	26.2	17.2	11.6
5°	1016.6	642.8	576.8	434.1	287.6	222.1	169.9	52.8	29.1	18.3	12.2
2.5°	1094.0	697.8	632.1	483.5	318.1	244.9	191.0	59.5	31.9	19.2	12.8
0°	1155.3	750.5	682.5	528.6	346.8	266.5	209.6	65.8	34.6	20.1	13.4
-2.5°	1161.2	749.2	675.7	527.9	357.0	275.1	213.5	75.4	42.5	25.5	16.0
-5°	1149.2	744.8	664.5	522.7	364.9	282.0	214.6	84.2	50.1	30.7	18.4
-7.5°	1081.5	720.1	642.7	512.3	370.3	286.9	213.1	92.3	57.1	35.5	20.7
-10°	988.8	682.6	607.8	489.0	364.3	286.2	209.3	99.5	63.5	39.8	22.6
-12.5°	880.7	644.2	572.6	464.0	354.7	280.9	202.6	106.1	69.3	43.5	24.3
-15°	758.1	605.7	538.1	438.2	343.3	274.5	195.1	111.7	74.6	46.9	25.6
-17.5°	625.7	567.4	505.5	412.4	330.4	267.3	187.3	116.3	79.1	50.1	27.0
-20°	585.6	537.7	474.9	387.2	316.1	259.4	179.6	119.7	82.8	52.5	28.4



REPORT NUMBER: P731436 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	562.6	514.1	447.8	367.8	302.5	251.1	172.5	121.8	85.6	54.0	29.1
-25°	540.3	490.3	422.0	350.7	291.4	239.0	169.9	122.6	87.6	54.6	29.2
-27.5°	514.8	464.9	396.1	332.4	280.8	229.0	170.0	124.3	88.5	54.3	28.5
-30°	488.4	435.7	373.5	314.6	269.1	216.8	168.5	124.9	87.9	53.3	27.1
-32.5°	466.8	407.4	350.7	300.6	255.0	204.1	162.1	124.3	85.9	51.6	26.1
-35°	440.6	382.3	327.6	285.7	239.7	193.5	153.5	122.5	82.5	48.9	24.7
-37.5°	412.5	357.3	310.4	269.2	223.9	181.5	145.7	114.3	77.7	45.0	22.8
-40°	383.4	333.5	292.5	251.4	208.8	168.2	136.7	104.2	72.1	40.0	20.1
-42.5°	353.0	312.0	271.9	232.9	192.7	157.1	126.4	93.1	63.3	35.5	16.9
-45°	327.4	287.9	249.0	212.1	175.8	144.8	112.9	81.1	53.5	31.0	14.4
-47.5°	299.3	260.9	224.6	189.8	160.8	130.6	98.2	69.2	43.1	25.5	13.7
-50°	267.8	232.5	199.0	169.8	143.6	113.0	82.8	56.6	35.6	18.9	12.9
-52.5°	236.0	203.3	175.2	150.1	122.8	94.2	67.8	43.7	27.7	15.9	11.9
-55°	202.9	176.6	152.7	127.3	100.7	75.9	52.0	34.5	19.5	14.5	10.9
-57.5°	174.3	151.3	127.1	102.5	79.3	57.3	39.2	25.0	16.3	13.0	10.2
-60°	145.6	122.4	99.6	78.6	58.2	41.3	28.2	17.6	14.5	11.5	9.4
-62.5°	113.4	92.8	73.6	54.9	40.6	28.8	18.5	15.6	12.7	10.6	8.6
-65°	82.7	65.3	48.0	37.4	26.6	18.6	16.2	13.6	11.5	9.6	7.8
-67.5°	53.6	42.3	31.6	21.9	18.2	16.0	13.9	12.1	10.4	8.6	7.3
-70°	33.1	23.6	19.3	17.3	15.4	13.6	12.3	10.8	9.2	8.0	6.7
-72.5°	20.2	18.1	16.0	14.3	13.2	12.0	10.8	9.6	8.5	7.3	6.1
-75°	16.1	14.8	13.5	12.5	11.5	10.4	9.6	8.8	7.7	6.6	5.9
-77.5°	13.4	12.4	11.5	10.6	9.8	9.1	8.5	7.9	7.0	6.3	5.8
-80°	10.9	10.2	9.5	8.8	8.2	7.8	7.4	7.1	6.4	6.0	5.7
-82.5°	8.7	8.1	7.6	7.2	6.9	6.7	6.4	6.2	5.8	5.6	5.5
-85°	6.7	6.4	6.1	5.9	5.8	5.6	5.5	5.4	5.3	5.3	5.2
-87.5°	5.2	5.2	5.2	5.1	5.1	5.0	5.0	5.0	4.9	4.9	4.8
-90°	3.3	3.3	3.3	3.3	3.6	3.9	4.2	4.5	4.5	4.5	4.5



REPORT NUMBER: P731436 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
67.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
65°	4.6	4.5	4.5	4.5	4.5	4.5	4.5
62.5°	4.6	4.6	4.5	4.5	4.5	4.5	4.5
60°	4.7	4.7	4.5	4.5	4.5	4.5	4.5
57.5°	4.9	4.8	4.6	4.5	4.5	4.5	4.5
55°	5.1	4.9	4.7	4.5	4.5	4.5	4.5
52.5°	5.3	5.1	4.8	4.5	4.5	4.5	4.5
50°	5.5	5.2	5.0	4.5	4.6	4.5	4.5
47.5°	5.6	5.3	5.1	4.5	4.6	4.5	4.5
45°	5.7	5.4	5.2	4.6	4.6	4.5	4.5
42.5°	5.8	5.5	5.4	4.7	4.7	4.5	4.5
40°	5.9	5.5	5.4	4.9	4.7	4.5	4.5
37.5°	6.1	5.6	5.5	5.0	4.8	4.5	4.5
35°	6.2	5.7	5.5	5.1	4.8	4.5	4.5
32.5°	6.4	5.8	5.6	5.2	4.8	4.5	4.5
30°	6.6	5.9	5.6	5.3	4.9	4.5	4.5
27.5°	6.7	6.0	5.6	5.3	5.0	4.5	4.5
25°	6.9	6.2	5.6	5.4	5.0	4.5	4.5
22.5°	7.1	6.3	5.6	5.5	5.1	4.5	4.5
20°	7.4	6.4	5.6	5.5	5.1	4.5	4.5
17.5°	7.5	6.4	5.6	5.5	5.2	4.5	4.5
15°	7.6	6.5	5.6	5.6	5.3	4.5	4.5
12.5°	7.6	6.6	5.6	5.6	5.3	4.5	4.5
10°	7.7	6.6	5.6	5.6	5.4	4.5	4.5
7.5°	7.7	6.7	5.6	5.6	5.4	4.5	4.5
5°	7.8	6.7	5.6	5.6	5.5	4.5	4.5
2.5°	7.8	6.7	5.6	5.6	5.5	4.5	4.5
0°	7.8	6.7	5.6	5.6	5.6	4.5	4.5
-2.5°	8.8	6.9	5.7	5.6	5.6	4.5	4.5
-5°	9.8	7.2	5.8	5.6	5.6	4.5	4.5
-7.5°	10.7	7.4	5.9	5.6	5.6	4.5	4.5
-10°	11.6	7.5	6.0	5.6	5.6	4.5	4.5
-12.5°	12.3	7.7	6.0	5.6	5.5	4.5	4.5
-15°	12.8	7.8	6.1	5.6	5.5	4.5	4.5
-17.5°	13.2	7.9	6.1	5.6	5.5	4.5	4.5
-20°	13.6	8.0	6.2	5.6	5.5	4.5	4.5



REPORT NUMBER: P731436 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.0	8.0	6.2	5.6	5.4	4.5	4.5
-25°	14.1	8.1	6.2	5.6	5.4	4.5	4.5
-27.5°	13.8	8.1	6.2	5.6	5.4	4.5	4.5
-30°	13.1	8.1	6.1	5.6	5.3	4.5	4.5
-32.5°	11.9	8.1	6.1	5.6	5.3	4.5	4.5
-35°	11.5	8.0	6.1	5.6	5.2	4.5	4.5
-37.5°	11.3	7.8	6.1	5.6	5.1	4.5	4.5
-40°	11.0	7.8	6.0	5.6	5.1	4.5	4.5
-42.5°	10.6	7.7	6.0	5.6	5.0	4.5	4.5
-45°	10.2	7.5	6.0	5.6	5.0	4.5	4.5
-47.5°	9.6	7.3	6.0	5.6	4.9	4.5	4.5
-50°	9.2	7.1	5.9	5.5	4.8	4.5	4.5
-52.5°	8.8	6.8	5.9	5.4	4.7	4.5	4.5
-55°	8.4	6.6	5.8	5.3	4.7	4.5	4.5
-57.5°	7.9	6.4	5.7	5.2	4.6	4.5	4.5
-60°	7.3	6.2	5.6	5.1	4.5	4.5	4.5
-62.5°	7.0	6.0	5.5	5.0	4.5	4.5	4.5
-65°	6.6	5.7	5.4	4.9	4.5	4.5	4.5
-67.5°	6.1	5.6	5.3	4.8	4.5	4.5	4.5
-70°	5.7	5.5	5.2	4.7	4.5	4.5	4.5
-72.5°	5.6	5.4	5.1	4.7	4.5	4.5	4.5
-75°	5.6	5.4	5.0	4.7	4.5	4.5	4.5
-77.5°	5.6	5.3	5.0	4.7	4.5	4.5	4.5
-80°	5.6	5.2	4.9	4.6	4.5	4.5	4.5
-82.5°	5.3	5.0	4.8	4.6	4.5	4.5	4.5
-85°	5.1	4.9	4.7	4.6	4.5	4.5	4.5
-87.5°	4.8	4.7	4.6	4.5	4.5	4.5	4.5
-90°	4.5	4.5	4.5	4.5	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

