

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: P731426 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-80-1S-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731426 (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: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-57-80-1S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

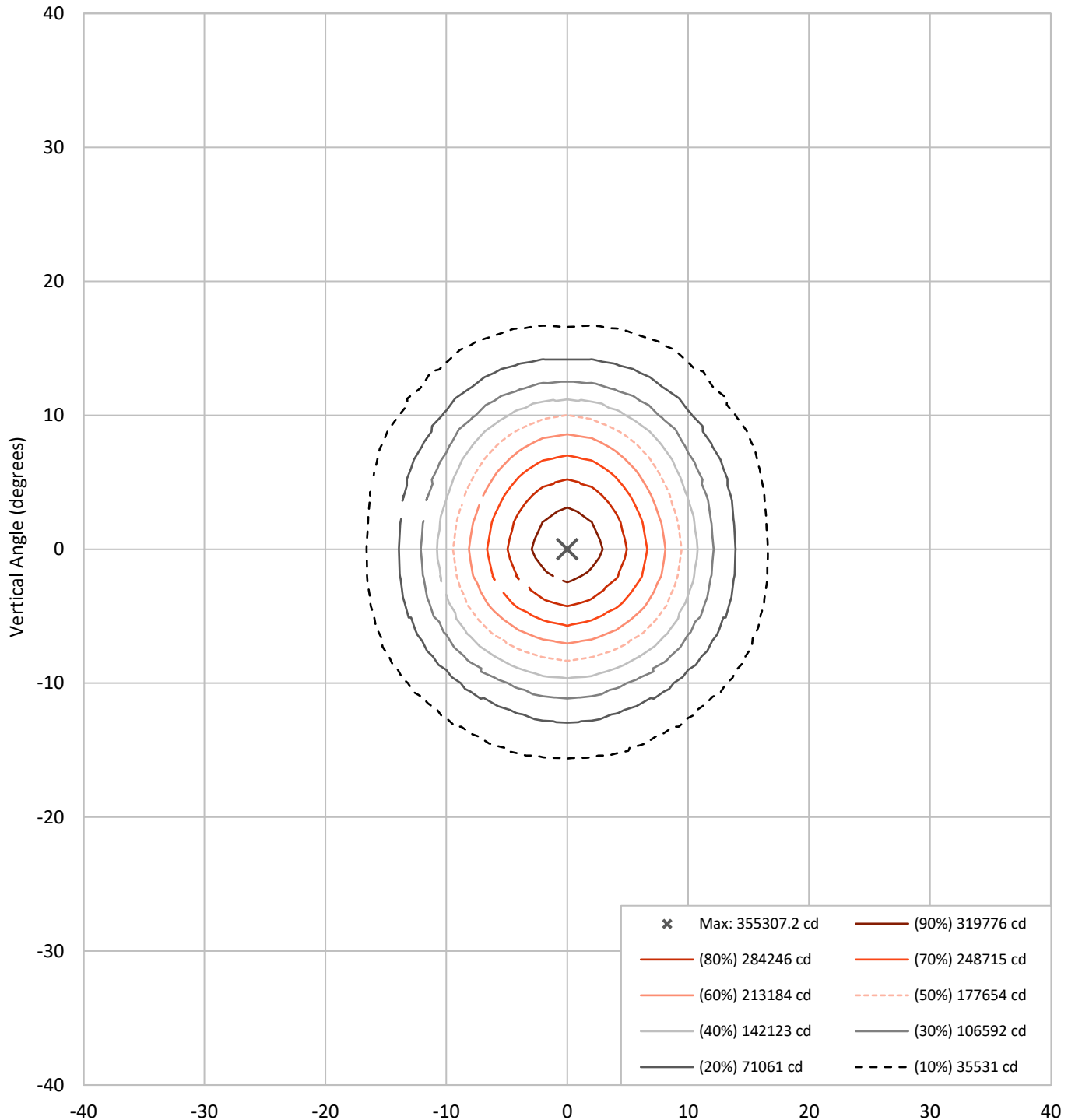
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	42797.3 lumens	Max Intensity:	355307.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	124.7 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:	19968 lumens	Field Lumens:	36267.3 lumens
Beam Efficiency:	46.7%	Field Efficiency:	84.7%

Input Watts (W): 343.2
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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CATALOG NUMBER: EPH-LS-08-0320N-57-80-1S-CV1

Iso-Candela Plot





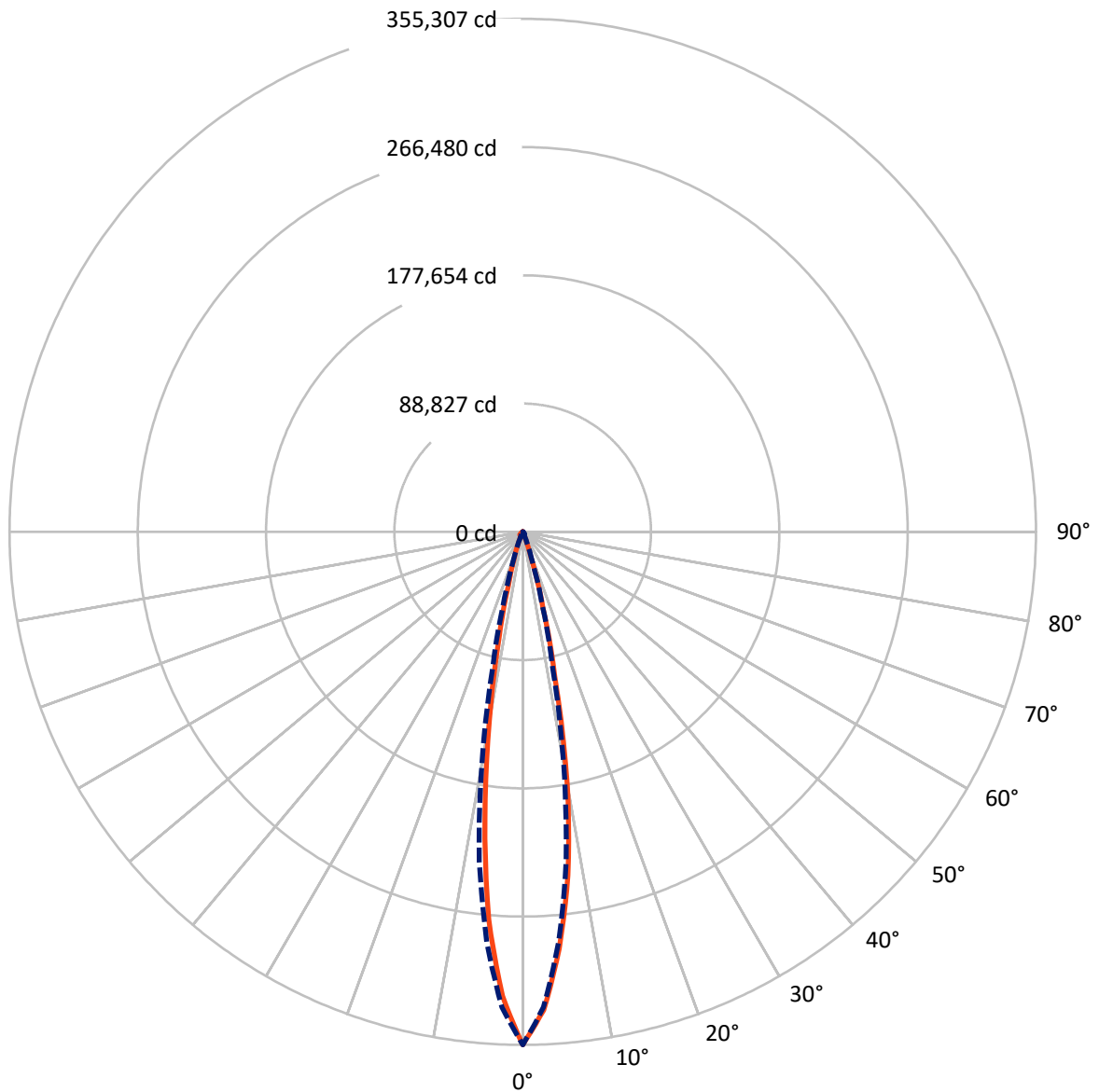
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Lumen Table

90	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1					
80	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1					
70	0.1	0.0	0.1	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.1	0.0	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	0.2	0.2	0.3	0.5	0.7	0.5	0.5	0.7	0.5	0.3	0.2	0.2	0.1	0.1
40		0.2	0.5	1.2	2.4	3.4	4.8	6.0	6.0	4.8	3.4	2.4	1.2	0.5	0.2	
30	0.1	0.3	2.3	7.4	17.5	23.7	38.0	67.8	67.8	38.0	23.7	17.5	7.4	2.3	0.3	0.1
20		0.7	5.0	21.4	43.0	56.9	416.3	1677.4	1677.4	416.3	56.9	43.0	21.4	5.0	0.7	
10	0.2	1.2	6.4	28.8	47.8	104.6	1559.4	6734.5	6734.5	1559.4	104.6	47.8	28.8	6.4	1.2	0.2
0		1.4	6.7	28.3	47.8	101.5	1491.9	6238.6	6238.6	1491.9	101.5	47.8	28.3	6.7	1.4	
-10	0.3	1.7	6.5	22.7	44.0	55.6	332.2	1245.6	1245.6	332.2	55.6	44.0	22.7	6.5	1.7	0.3
-20		1.7	6.3	15.7	43.6	54.7	61.9	106.9	106.9	61.9	54.7	43.6	15.7	6.3	1.7	
-30	0.3	1.5	5.7	11.1	31.0	64.2	75.1	77.4	77.4	75.1	64.2	31.0	11.1	5.7	1.5	0.3
-40		1.1	4.4	9.8	16.4	29.5	53.5	72.6	72.6	53.5	29.5	16.4	9.8	4.4	1.1	
-50	0.2	0.5	2.5	6.6	12.5	18.2	23.0	25.8	25.8	23.0	18.2	12.5	6.6	2.5	0.5	0.2
-60		0.2	0.9	2.6	5.4	8.8	12.2	14.2	14.2	12.2	8.8	5.4	2.6	0.9	0.2	
-70	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1
-80		0.7	1.9	4.5	6.0	4.5	1.9	0.7	0.1							
-90	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1

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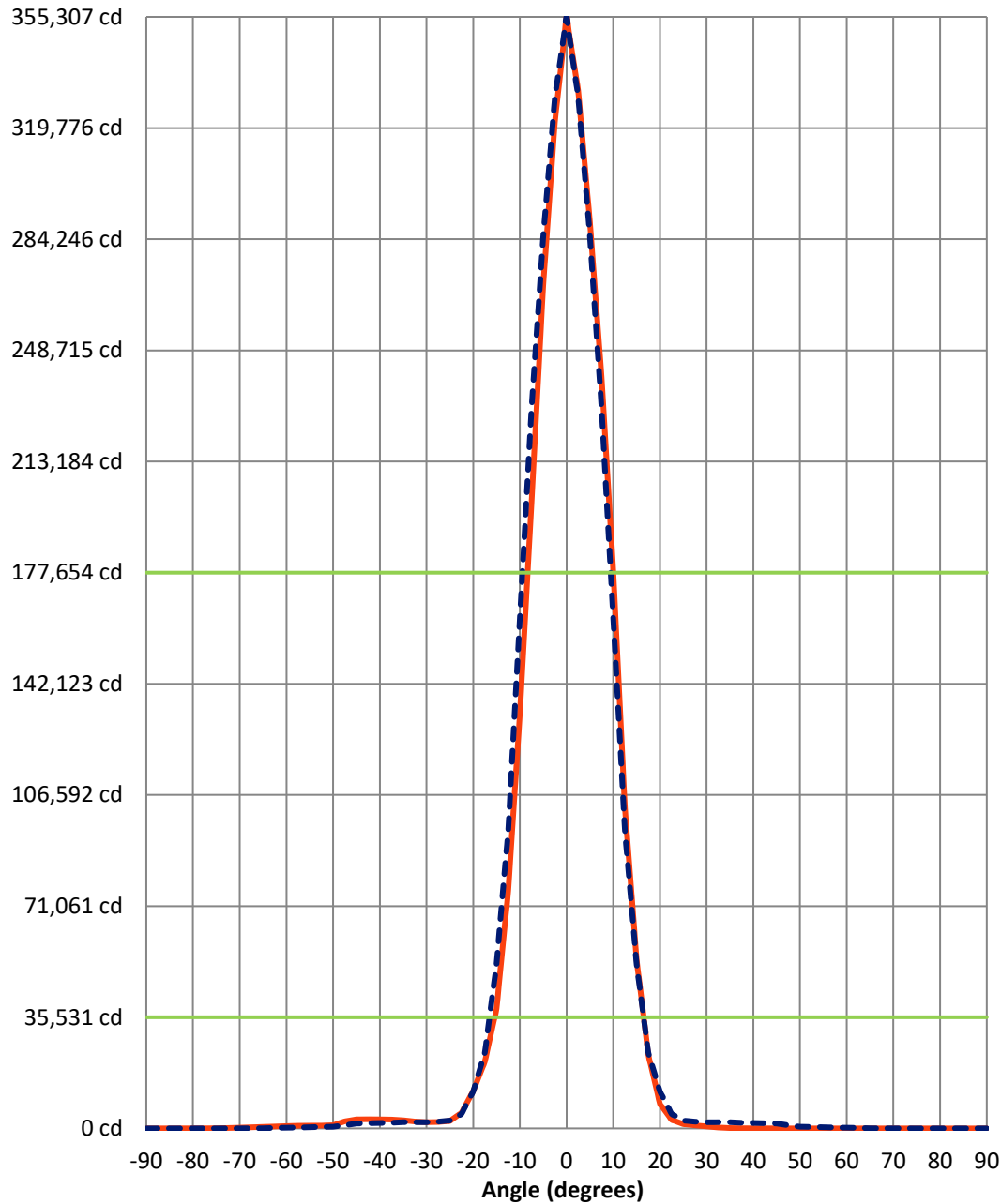
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 18.9°
 V Angle: 18.3°
 Lumens: 19968
 Efficiency: 46.7%

Field:
 H Angle: 33°
 V Angle: 31.9°
 Lumens: 36267.3
 Efficiency: 84.7%

Spill:
 Lumens: 6530
 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°	2.6	2.6	2.6	3.0	3.5	3.9	4.3	4.7	5.2	5.6	6.0
87.5°	2.6	2.6	2.6	2.4	2.2	2.1	1.9	1.9	1.9	1.8	1.7
85°	2.6	2.6	2.6	2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.7
82.5°	2.6	2.7	2.6	2.5	2.4	2.4	2.4	2.3	2.2	2.1	2.0
80°	2.6	2.7	2.6	2.5	2.5	2.5	2.6	2.6	2.5	2.4	2.3
77.5°	2.6	2.7	2.6	2.5	2.5	2.7	2.8	2.8	2.8	2.8	2.6
75°	2.6	2.7	2.6	2.6	2.6	2.8	3.0	3.1	3.1	2.9	2.7
72.5°	2.6	2.7	2.6	2.6	2.8	3.0	3.2	3.3	3.1	2.9	2.7
70°	2.6	2.7	2.6	2.6	2.9	3.2	3.4	3.3	3.1	2.9	3.0
67.5°	2.6	2.8	2.6	2.7	3.0	3.3	3.4	3.3	3.1	3.2	3.3
65°	2.6	2.8	2.7	2.8	3.1	3.4	3.5	3.3	3.4	3.6	3.6
62.5°	2.6	2.8	2.7	2.9	3.3	3.5	3.5	3.5	3.7	3.9	3.7
60°	2.6	2.8	2.7	3.0	3.4	3.6	3.6	3.8	4.0	4.0	3.9
57.5°	2.6	2.8	2.8	3.1	3.5	3.7	3.8	4.1	4.3	4.3	4.2
55°	2.6	2.9	2.9	3.2	3.6	3.8	4.0	4.3	4.5	4.5	4.6
52.5°	2.6	2.9	2.9	3.3	3.7	3.9	4.2	4.6	4.8	4.9	5.1
50°	2.6	2.9	3.0	3.3	3.8	4.1	4.4	4.8	5.1	5.3	5.9
47.5°	2.6	2.9	3.1	3.4	3.9	4.2	4.6	5.1	5.4	5.7	6.6
45°	2.6	3.0	3.2	3.5	4.0	4.4	4.9	5.4	5.7	6.3	7.4
42.5°	2.6	3.0	3.3	3.6	4.1	4.5	5.2	5.7	6.1	6.9	8.7
40°	2.6	3.0	3.3	3.7	4.2	4.7	5.5	6.0	6.5	7.4	10.0
37.5°	2.6	3.0	3.4	3.8	4.3	4.8	5.8	6.3	7.0	8.2	11.3
35°	2.6	3.1	3.5	3.9	4.4	5.1	6.1	6.6	7.6	9.4	12.3
32.5°	2.6	3.1	3.5	4.0	4.6	5.3	6.4	6.8	8.1	10.6	13.3
30°	2.6	3.1	3.6	4.1	4.7	5.5	6.6	7.1	8.7	11.7	14.6
27.5°	2.6	3.1	3.7	4.2	4.8	5.8	6.8	7.6	9.4	12.8	16.0
25°	2.6	3.2	3.8	4.3	4.9	6.0	7.0	8.0	10.3	13.9	17.6
22.5°	2.6	3.2	3.8	4.4	5.1	6.2	7.2	8.5	11.1	15.2	20.1
20°	2.6	3.2	3.9	4.5	5.2	6.4	7.4	8.9	11.9	16.4	22.7
17.5°	2.6	3.2	3.9	4.6	5.3	6.5	7.5	9.3	12.6	17.8	25.5
15°	2.6	3.3	4.0	4.7	5.4	6.6	7.7	9.7	13.3	19.1	28.5
12.5°	2.6	3.3	4.1	4.8	5.5	6.7	7.8	10.0	13.9	20.5	31.4
10°	2.6	3.3	4.1	4.9	5.6	6.8	8.0	10.3	14.5	21.7	34.4
7.5°	2.6	3.3	4.2	4.9	5.7	6.8	8.2	10.6	15.0	22.9	37.2
5°	2.6	3.4	4.2	5.0	5.8	6.9	8.3	10.8	15.5	24.0	39.9
2.5°	2.6	3.4	4.3	5.0	5.9	6.9	8.5	11.0	16.0	24.9	42.4
0°	2.6	3.4	4.3	5.1	6.0	6.9	8.6	11.1	16.3	25.7	44.6
-2.5°	2.6	3.4	4.3	5.2	6.1	7.3	9.4	13.2	20.9	33.9	57.4
-5°	2.6	3.4	4.4	5.2	6.3	7.6	10.1	15.3	25.3	41.8	69.5
-7.5°	2.6	3.5	4.4	5.3	6.4	8.0	10.9	17.2	29.4	49.1	80.7
-10°	2.6	3.5	4.4	5.3	6.5	8.3	11.5	18.9	33.1	55.8	90.8
-12.5°	2.6	3.5	4.4	5.3	6.6	8.5	12.1	20.4	36.3	61.6	99.3
-15°	2.6	3.5	4.4	5.4	6.7	8.8	12.6	21.6	39.3	66.8	106.2
-17.5°	2.6	3.5	4.5	5.4	6.8	9.0	13.0	22.9	42.3	71.0	111.6
-20°	2.6	3.5	4.5	5.4	6.8	9.1	13.4	24.2	44.5	74.2	115.3



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 CATALOG NUMBER: EPH-LS-08-0320N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	2.6	3.5	4.5	5.4	6.8	9.2	13.8	24.9	45.8	76.3	117.1
-25°	2.6	3.5	4.5	5.4	6.9	9.3	14.1	25.1	46.2	77.2	117.0
-27.5°	2.6	3.5	4.5	5.4	6.8	9.3	14.0	24.6	45.6	77.1	117.6
-30°	2.6	3.5	4.5	5.4	6.8	9.3	13.7	23.4	44.8	76.3	116.6
-32.5°	2.6	3.5	4.5	5.4	6.8	9.3	13.1	22.8	43.5	74.2	114.0
-35°	2.6	3.5	4.5	5.4	6.8	9.1	12.8	22.1	41.1	70.7	109.6
-37.5°	2.6	3.5	4.4	5.4	6.7	9.0	12.6	21.0	37.8	65.8	102.6
-40°	2.6	3.4	4.4	5.3	6.6	8.9	12.4	19.4	33.4	60.7	94.5
-42.5°	2.6	3.4	4.4	5.3	6.5	8.8	12.0	17.4	30.2	54.1	84.9
-45°	2.6	3.4	4.4	5.3	6.5	8.6	11.6	15.7	27.4	46.4	74.1
-47.5°	2.6	3.4	4.4	5.3	6.5	8.4	11.0	15.1	23.9	37.9	64.3
-50°	2.6	3.3	4.3	5.2	6.4	8.1	10.6	14.3	19.8	33.1	53.4
-52.5°	2.6	3.3	4.3	5.2	6.4	7.8	10.2	13.5	17.7	27.8	42.1
-55°	2.6	3.3	4.3	5.1	6.3	7.6	9.8	12.5	16.5	22.0	35.3
-57.5°	2.6	3.2	4.2	5.0	6.2	7.5	9.2	11.9	15.2	19.4	28.0
-60°	2.6	3.2	4.2	5.0	6.0	7.3	8.7	11.1	14.0	17.8	22.1
-62.5°	2.6	3.2	4.1	4.9	5.9	7.1	8.4	10.4	13.1	16.0	19.9
-65°	2.6	3.1	4.0	4.7	5.7	6.9	8.2	9.7	12.2	14.8	17.7
-67.5°	2.6	3.1	3.8	4.6	5.5	6.6	7.9	9.4	11.3	13.8	16.2
-70°	2.6	3.0	3.7	4.5	5.2	6.3	7.5	8.9	10.7	12.7	15.0
-72.5°	2.6	3.0	3.6	4.3	5.0	5.9	7.0	8.4	10.0	11.8	13.8
-75°	2.6	2.9	3.5	4.1	4.7	5.5	6.4	7.8	9.3	10.8	12.6
-77.5°	2.6	2.9	3.3	4.0	4.5	5.0	5.8	7.1	8.5	9.8	11.3
-80°	2.6	2.8	3.2	3.8	4.3	4.7	5.2	6.4	7.7	8.9	10.2
-82.5°	2.6	2.8	3.0	3.6	4.1	4.5	4.9	5.8	6.9	8.0	9.2
-85°	2.6	2.7	2.9	3.4	3.9	4.3	4.7	5.5	6.3	7.2	8.2
-87.5°	2.6	2.7	2.7	3.2	3.7	4.1	4.5	5.1	5.7	6.4	7.1
-90°	2.6	2.6	2.6	2.4	2.2	1.9	1.7	1.7	1.7	1.7	1.7



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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°	6.0	6.0	6.0	6.0	6.2	6.5	6.7	6.9	7.1	7.3	7.5
87.5°	1.6	1.5	1.4	1.4	1.3	1.2	1.0	0.9	0.9	0.9	0.9
85°	1.7	1.7	1.7	1.7	1.5	1.4	1.3	1.2	1.2	1.1	1.0
82.5°	2.0	1.9	1.8	1.7	1.7	1.7	1.7	1.7	1.6	1.4	1.3
80°	2.3	2.2	2.1	2.0	2.0	2.0	1.9	1.7	1.7	1.8	1.9
77.5°	2.5	2.4	2.4	2.5	2.4	2.3	2.2	2.2	2.3	2.4	2.6
75°	2.6	2.6	2.7	2.6	2.5	2.5	2.6	2.8	2.9	2.9	2.8
72.5°	2.7	2.8	2.8	2.7	2.8	3.0	3.2	3.3	3.7	4.2	4.7
70°	3.1	3.1	3.0	3.1	3.2	3.6	4.3	5.3	6.3	7.4	8.9
67.5°	3.3	3.3	3.3	3.5	4.1	4.9	6.0	9.5	13.5	15.1	15.6
65°	3.4	3.4	3.7	4.3	5.0	7.7	11.6	16.2	20.6	21.1	20.4
62.5°	3.4	3.8	4.3	5.6	8.1	11.7	15.8	20.3	25.3	25.5	22.3
60°	3.8	4.2	5.5	7.9	10.9	14.2	18.7	22.3	26.4	28.3	21.6
57.5°	4.3	5.1	7.2	10.1	13.1	15.5	18.0	21.7	23.8	24.2	17.8
55°	5.0	6.1	8.9	12.2	14.3	13.8	15.8	17.8	18.7	17.4	12.4
52.5°	6.0	7.4	10.8	13.6	14.1	13.0	12.9	13.9	13.0	11.1	9.7
50°	6.9	9.5	12.6	14.5	14.1	12.3	10.4	10.3	9.9	9.3	8.4
47.5°	8.5	11.5	14.2	15.3	13.5	11.7	9.5	9.2	9.1	8.8	8.0
45°	10.2	13.1	15.9	14.9	13.2	11.5	10.5	9.4	9.4	9.5	10.1
42.5°	11.8	14.4	15.8	14.5	13.4	12.9	12.6	11.3	11.2	13.6	14.4
40°	12.9	15.5	15.8	15.6	14.4	15.5	15.9	16.0	16.8	19.2	20.4
37.5°	13.8	15.9	16.9	18.5	17.4	19.2	20.1	29.5	30.7	25.8	35.5
35°	14.6	16.7	21.0	25.7	27.1	24.1	36.4	49.3	53.7	50.8	61.7
32.5°	15.4	17.9	26.6	37.7	47.9	45.3	57.2	79.5	93.7	100.9	109.6
30°	16.9	23.0	35.3	53.1	79.4	95.2	96.1	119.7	145.8	192.2	234.1
27.5°	19.6	29.9	50.0	82.2	122.8	155.7	161.9	177.2	237.0	324.7	435.3
25°	22.6	46.4	66.9	121.8	181.6	218.7	229.5	255.4	359.2	560.6	669.7
22.5°	31.0	68.4	95.6	168.0	247.5	279.6	302.1	396.4	583.8	849.9	931.9
20°	46.9	94.0	131.2	207.6	314.1	339.7	373.6	575.8	876.1	1097.8	1209.2
17.5°	65.6	119.7	166.8	246.7	340.4	387.8	459.5	781.2	1178.1	1337.3	1453.3
15°	86.5	145.5	197.6	281.1	363.7	419.8	594.2	1020.0	1433.6	1565.3	1678.8
12.5°	108.9	171.1	224.2	311.1	386.7	449.5	716.7	1187.8	1556.4	1742.7	1888.9
10°	131.9	196.2	247.0	336.7	409.1	476.9	831.5	1331.7	1618.5	1772.8	1934.1
7.5°	146.2	212.2	264.4	358.2	430.4	501.7	935.4	1451.4	1661.3	1782.2	1901.7
5°	156.9	217.7	268.9	367.9	446.3	520.0	1013.7	1546.6	1688.4	1775.1	1845.1
2.5°	165.1	221.5	271.9	373.2	458.3	529.3	1021.2	1561.6	1680.1	1761.5	1809.8
0°	170.5	223.7	273.4	375.4	467.9	535.6	1006.1	1553.7	1661.7	1745.7	1802.2
-2.5°	176.5	230.2	285.7	382.0	468.8	535.8	991.8	1538.3	1680.0	1792.8	1886.7
-5°	180.1	235.4	296.2	386.1	467.2	533.7	959.5	1498.8	1677.7	1796.4	1911.6
-7.5°	181.8	239.4	304.3	387.2	460.5	523.4	904.6	1404.6	1607.1	1718.2	1860.7
-10°	182.5	244.6	308.2	381.2	447.5	507.4	831.5	1295.8	1534.2	1635.8	1785.6
-12.5°	184.2	250.7	310.6	375.2	434.3	489.7	742.2	1176.6	1460.8	1550.2	1702.7
-15°	184.2	255.7	312.3	370.0	421.4	470.5	637.3	1050.5	1420.6	1565.8	1691.2
-17.5°	182.7	259.5	313.6	366.3	409.6	449.9	521.3	937.9	1395.3	1599.7	1723.4
-20°	179.7	262.1	314.7	364.8	399.7	440.3	497.1	812.5	1266.6	1615.0	1766.0



REPORT NUMBER: P731426 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	175.5	263.6	315.7	363.7	402.9	441.3	489.1	670.3	1087.7	1613.1	1767.3
-25°	173.5	256.2	315.6	363.5	407.7	443.3	479.6	535.0	895.5	1383.5	1720.4
-27.5°	172.8	247.7	310.2	359.9	412.1	446.4	477.9	522.8	711.7	1108.6	1624.5
-30°	169.4	233.7	302.3	352.8	407.7	450.1	481.0	509.4	561.5	871.8	1301.1
-32.5°	161.7	219.1	287.4	342.3	397.3	453.5	482.2	506.6	545.0	636.8	985.5
-35°	152.5	207.5	269.7	329.0	382.7	441.8	480.4	506.0	531.3	575.7	733.8
-37.5°	144.3	194.2	251.7	311.5	365.4	420.9	476.2	503.4	528.8	560.6	620.7
-40°	134.5	179.1	234.6	291.5	345.4	398.9	452.5	499.6	525.2	566.4	606.2
-42.5°	123.1	166.4	216.3	270.9	322.6	375.0	427.5	478.0	530.9	572.3	612.0
-45°	110.7	152.1	196.9	246.5	297.3	348.4	399.4	452.0	515.7	578.8	618.6
-47.5°	96.5	135.9	178.6	219.6	268.5	318.6	368.6	423.7	486.9	552.7	623.8
-50°	81.6	118.0	157.0	194.6	236.2	284.9	334.0	389.4	448.9	512.6	579.6
-52.5°	67.9	98.1	133.2	169.7	205.9	246.5	295.7	348.2	403.9	463.9	522.4
-55°	53.0	79.7	107.6	141.9	177.4	211.9	251.9	301.1	352.4	406.7	459.5
-57.5°	41.8	60.6	84.1	111.4	144.8	179.7	214.1	251.3	296.8	344.7	388.7
-60°	32.6	45.0	62.1	84.4	109.1	141.2	175.2	208.9	244.1	279.1	317.0
-62.5°	24.2	33.7	44.6	59.1	79.9	101.7	130.1	161.5	194.2	223.3	250.8
-65°	21.5	24.3	31.8	41.8	52.0	70.1	90.1	111.2	138.4	164.1	189.0
-67.5°	18.6	21.3	23.7	27.5	36.4	45.4	54.3	71.7	90.0	106.4	123.8
-70°	16.9	18.3	20.5	22.6	24.7	28.5	36.3	43.9	51.2	60.1	73.9
-72.5°	15.3	16.5	17.8	19.4	21.1	22.9	24.7	26.6	31.1	37.2	42.6
-75°	13.7	14.5	15.5	16.7	17.9	19.2	20.5	22.0	23.6	25.2	27.0
-77.5°	12.1	12.8	13.4	14.1	14.9	16.0	17.0	18.1	19.1	20.0	20.9
-80°	10.7	11.1	11.6	12.1	12.7	13.3	13.9	14.6	15.3	16.1	16.9
-82.5°	9.6	9.8	10.1	10.4	10.7	10.9	11.2	11.6	12.0	12.5	13.0
-85°	8.4	8.6	8.8	9.0	9.1	9.3	9.5	9.6	9.8	9.9	10.1
-87.5°	7.2	7.3	7.4	7.5	7.7	7.8	8.0	8.1	8.2	8.3	8.4
-90°	1.5	1.3	1.1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	7.7	7.9	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.4	9.4
87.5°	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.7	0.4
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	1.3	1.2	1.1	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	1.9	1.9	1.7	1.6	1.4	1.3	1.2	1.1	0.9	0.9	0.9
77.5°	2.6	2.4	2.2	2.0	1.7	1.6	1.6	1.6	1.6	1.6	1.6
75°	2.7	2.6	2.7	2.7	2.6	2.4	2.3	2.1	1.8	1.7	1.7
72.5°	5.1	5.3	5.2	5.1	4.6	4.3	4.2	4.0	3.8	3.7	3.7
70°	9.7	9.8	9.4	8.5	7.3	6.4	6.0	5.6	5.1	5.0	5.3
67.5°	14.8	13.5	12.3	10.9	9.2	8.0	7.5	7.1	6.6	6.4	6.4
65°	18.3	14.3	12.2	10.8	10.0	9.0	8.0	7.1	6.1	5.5	5.3
62.5°	18.0	12.6	10.2	9.0	8.2	7.5	6.6	5.7	5.0	4.5	4.4
60°	15.7	10.5	7.8	7.1	6.4	6.0	5.5	5.0	4.6	4.3	4.3
57.5°	12.3	8.2	6.0	5.9	5.6	5.3	5.0	4.7	4.5	4.3	4.5
55°	8.9	7.2	6.1	5.9	5.7	5.4	5.1	5.0	4.9	4.8	5.2
52.5°	7.7	7.1	6.8	6.6	6.2	6.0	5.9	5.9	6.0	6.2	6.3
50°	7.6	7.3	7.2	6.8	6.8	6.8	6.8	7.1	7.3	7.4	7.4
47.5°	7.9	7.8	8.1	7.6	7.8	8.3	8.5	8.6	9.3	9.4	9.4
45°	9.3	10.6	10.9	10.8	10.5	13.7	14.4	13.2	18.1	17.4	13.6
42.5°	14.3	15.9	16.9	19.9	24.5	27.5	35.5	48.8	43.7	32.9	21.3
40°	24.6	24.2	28.8	34.6	37.9	44.1	54.0	66.7	61.5	52.2	55.8
37.5°	43.4	44.0	45.5	52.9	55.7	48.8	63.2	62.1	52.7	67.4	69.2
35°	79.6	88.1	74.8	91.1	95.0	89.1	94.4	104.4	90.3	109.2	115.3
32.5°	143.3	157.8	158.5	162.3	175.8	188.8	192.5	219.5	228.2	251.0	275.5
30°	228.8	255.8	278.7	285.0	303.0	335.1	361.6	413.7	469.5	511.5	566.6
27.5°	412.4	388.0	439.1	501.3	481.5	528.3	624.0	699.2	810.4	890.5	933.7
25°	667.1	627.4	720.5	815.4	815.6	823.5	962.0	1082.6	1173.7	1245.9	1309.3
22.5°	967.7	1017.1	1100.6	1210.7	1153.3	1205.6	1343.1	1441.1	1568.6	1693.5	2068.0
20°	1304.5	1404.5	1473.2	1456.7	1454.2	1543.2	1664.1	1853.3	2239.0	3598.6	4897.0
17.5°	1601.3	1722.7	1716.7	1647.6	1680.4	1829.7	2049.2	2783.6	4732.0	9147.9	13280.6
15°	1831.4	1885.5	1849.9	1808.6	1881.9	2105.5	2654.4	5029.4	10942.1	18013.6	26085.3
12.5°	1985.2	1963.9	1870.5	1877.2	2051.4	2365.6	4231.0	9789.6	18339.1	28381.6	48675.2
10°	2044.6	1986.4	1904.7	1980.3	2217.9	2974.1	5690.6	13592.4	26518.3	47397.2	74750.1
7.5°	2004.1	1954.5	1931.5	2065.2	2381.4	3938.8	8845.8	19225.4	38011.6	64936.4	103429.0
5°	1978.0	1944.8	1949.8	2120.9	2484.8	4648.2	11075.8	22769.1	47149.8	81897.9	130868.8
2.5°	1976.4	1956.7	1965.4	2159.7	2543.0	5011.3	12331.9	23359.2	50359.8	91123.9	153321.0
0°	1997.6	1984.8	1977.0	2167.3	2515.2	4656.0	11831.4	24307.3	52561.9	95286.5	163075.1
-2.5°	2096.3	1991.1	1986.7	2166.9	2546.0	4920.2	12124.4	23979.9	51767.1	91439.4	152611.5
-5°	2072.7	1953.7	1934.8	2086.0	2439.9	4430.7	10614.5	22146.1	45472.0	77751.3	125787.7
-7.5°	1979.0	1899.5	1865.8	1986.2	2294.0	3718.9	8231.7	17484.6	34241.2	58606.1	90643.2
-10°	1902.8	1850.4	1800.5	1883.9	2117.8	2842.0	5247.6	11729.9	23291.2	39853.3	58200.4
-12.5°	1862.8	1838.0	1748.1	1771.4	1934.9	2256.1	3671.8	7928.6	14586.2	21640.8	35351.8
-15°	1834.5	1815.7	1731.5	1725.9	1817.2	2007.1	2418.9	4112.6	8156.7	13235.5	18677.8
-17.5°	1808.9	1802.0	1757.4	1708.9	1720.4	1830.4	2057.1	2658.5	4171.3	7399.6	10917.3
-20°	1821.3	1825.2	1791.1	1740.5	1722.5	1736.8	1854.5	2061.8	2445.0	3750.1	5343.7



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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°	1817.3	1828.9	1819.8	1823.4	1801.7	1768.6	1745.3	1835.7	1980.7	2212.8	2802.3
-25°	1816.9	1832.9	1901.0	1988.1	1979.1	1900.1	1817.3	1745.6	1828.5	1928.8	2075.1
-27.5°	1790.0	1894.0	2063.5	2192.0	2228.9	2142.2	2026.4	1905.9	1892.7	1889.5	1945.8
-30°	1781.2	2004.7	2204.6	2387.8	2413.6	2369.9	2316.3	2230.4	2138.3	2087.3	2060.0
-32.5°	1512.4	2053.5	2298.0	2462.7	2503.5	2501.6	2513.7	2472.9	2444.1	2411.1	2364.5
-35°	1148.2	1716.1	2314.5	2390.4	2456.8	2516.0	2595.1	2615.4	2631.4	2649.6	2665.9
-37.5°	801.8	1244.5	1741.6	2175.4	2313.2	2416.2	2556.4	2659.4	2745.0	2787.5	2838.4
-40°	664.2	786.5	1171.7	1538.3	1899.5	2232.7	2383.8	2559.1	2723.1	2814.3	2897.7
-42.5°	650.6	694.1	740.4	996.1	1301.8	1616.2	1925.1	2205.2	2503.6	2702.6	2848.9
-45°	655.0	677.0	704.0	748.8	796.8	1036.7	1295.5	1559.8	1885.9	2204.5	2482.6
-47.5°	654.4	674.5	695.9	717.6	746.2	790.9	836.9	911.7	1142.9	1387.4	1624.0
-50°	631.8	672.6	692.5	712.8	733.6	755.7	778.9	811.7	850.9	887.5	917.2
-52.5°	574.5	622.6	668.8	707.5	726.6	746.0	766.6	793.9	819.6	843.7	856.2
-55°	509.8	557.7	604.5	646.0	685.3	723.1	758.2	783.2	808.8	834.9	845.6
-57.5°	435.4	483.7	530.2	569.0	608.1	647.3	683.6	718.5	753.3	786.3	804.7
-60°	356.3	396.6	438.2	477.9	516.0	552.2	586.0	619.1	650.7	678.4	695.9
-62.5°	278.6	310.3	345.4	379.9	413.3	445.6	476.8	506.6	534.6	558.3	574.7
-65°	213.2	236.9	261.1	286.0	311.4	339.2	365.4	390.2	413.4	432.6	446.9
-67.5°	144.8	165.3	184.9	203.3	221.9	241.6	261.5	280.2	297.6	311.7	322.9
-70°	87.1	99.9	112.3	125.5	140.5	154.8	168.8	182.1	194.6	204.2	211.5
-72.5°	47.4	52.0	58.2	68.4	77.8	86.5	94.5	101.8	108.3	113.6	118.0
-75°	28.9	31.2	35.0	38.6	42.1	45.4	48.6	51.5	54.2	56.4	58.2
-77.5°	22.1	23.4	24.6	25.7	26.8	27.9	29.0	30.1	31.1	31.9	32.7
-80°	17.6	18.4	19.0	19.7	20.3	21.0	21.7	22.5	23.1	23.6	24.1
-82.5°	13.5	14.1	14.8	15.4	15.9	16.3	16.7	17.1	17.5	17.8	18.2
-85°	10.2	10.7	11.2	11.7	12.2	12.4	12.5	12.6	12.7	13.0	13.2
-87.5°	8.4	8.7	8.9	9.1	9.3	9.6	9.8	10.0	10.3	10.5	10.7
-90°	0.9	0.7	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-LS-08-0320N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.2
87.5°	0.2	0.0	0.4	0.9	0.4	0.0	0.2	0.4	0.7	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6
75°	1.7	1.7	2.1	2.6	2.1	1.7	1.7	1.7	1.7	1.8	2.1
72.5°	3.5	3.4	3.4	3.4	3.4	3.4	3.5	3.7	3.7	3.8	4.0
70°	5.6	5.9	6.0	6.0	6.0	5.9	5.6	5.3	5.0	5.1	5.6
67.5°	6.2	6.0	5.2	4.3	5.2	6.0	6.2	6.4	6.4	6.6	7.1
65°	5.2	5.1	4.7	4.3	4.7	5.1	5.2	5.3	5.5	6.1	7.1
62.5°	4.4	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.5	5.0	5.7
60°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.6	5.0
57.5°	4.7	5.0	5.1	5.1	5.1	5.0	4.7	4.5	4.3	4.5	4.7
55°	5.5	5.8	6.0	6.0	6.0	5.8	5.5	5.2	4.8	4.9	5.0
52.5°	6.3	6.1	6.3	6.9	6.3	6.1	6.3	6.3	6.2	6.0	5.9
50°	7.5	7.6	7.7	7.7	7.7	7.6	7.5	7.4	7.4	7.3	7.1
47.5°	9.5	9.4	9.4	9.4	9.4	9.4	9.5	9.4	9.4	9.3	8.6
45°	14.0	14.3	14.7	15.4	14.7	14.3	14.0	13.6	17.4	18.1	13.2
42.5°	22.2	22.7	22.9	23.1	22.9	22.7	22.2	21.3	32.9	43.7	48.8
40°	52.9	42.1	31.5	31.7	31.5	42.1	52.9	55.8	52.2	61.5	66.7
37.5°	60.8	55.3	53.1	52.3	53.1	55.3	60.8	69.2	67.4	52.7	62.1
35°	115.1	117.1	114.4	115.7	114.4	117.1	115.1	115.3	109.2	90.3	104.4
32.5°	283.4	294.9	290.9	292.2	290.9	294.9	283.4	275.5	251.0	228.2	219.5
30°	588.8	624.1	632.1	629.9	632.1	624.1	588.8	566.6	511.5	469.5	413.7
27.5°	951.1	979.1	984.9	979.5	984.9	979.1	951.1	933.7	890.5	810.4	699.2
25°	1344.3	1371.0	1386.1	1378.9	1386.1	1371.0	1344.3	1309.3	1245.9	1173.7	1082.6
22.5°	2501.6	2623.0	2682.2	2762.9	2682.2	2623.0	2501.6	2068.0	1693.5	1568.6	1441.1
20°	7377.6	8216.2	8057.3	7884.2	8057.3	8216.2	7377.6	4897.0	3598.6	2239.0	1853.3
17.5°	18415.4	22539.0	24502.5	23703.1	24502.5	22539.0	18415.4	13280.6	9147.9	4732.0	2783.6
15°	37664.9	49186.1	55922.4	54124.1	55922.4	49186.1	37664.9	26085.3	18013.6	10942.1	5029.4
12.5°	68230.3	86540.8	100568.4	102576.4	100568.4	86540.8	68230.3	48675.2	28381.6	18339.1	9789.6
10°	107302.9	141139.1	169023.6	178128.0	169023.6	141139.1	107302.9	74750.1	47397.2	26518.3	13592.4
7.5°	153875.6	199044.6	231203.2	240141.9	231203.2	199044.6	153875.6	103429.0	64936.4	38011.6	19225.4
5°	191227.5	243211.0	278822.9	289761.3	278822.9	243211.0	191227.5	130868.8	81897.9	47149.8	22769.1
2.5°	219205.1	273730.9	313442.2	331587.4	313442.2	273730.9	219205.1	153321.0	91123.9	50359.8	23359.2
0°	230043.2	284989.7	329519.9	355307.2	329519.9	284989.7	230043.2	163075.1	95286.5	52561.9	24307.3
-2.5°	219441.1	270525.9	304817.1	321727.0	304817.1	270525.9	219441.1	152611.5	91439.4	51767.1	23979.9
-5°	182691.8	227895.0	257466.6	269404.7	257466.6	227895.0	182691.8	125787.7	77751.3	45472.0	22146.1
-7.5°	130903.1	168009.6	190051.9	200110.7	190051.9	168009.6	130903.1	90643.2	58606.1	34241.2	17484.6
-10°	85046.4	105585.4	127810.0	132566.7	127810.0	105585.4	85046.4	58200.4	39853.3	23291.2	11729.9
-12.5°	47913.1	60873.5	71919.2	75905.5	71919.2	60873.5	47913.1	35351.8	21640.8	14586.2	7928.6
-15°	25922.6	33306.8	37285.6	38264.1	37285.6	33306.8	25922.6	18677.8	13235.5	8156.7	4112.6
-17.5°	14883.0	18430.2	20460.0	21391.9	20460.0	18430.2	14883.0	10917.3	7399.6	4171.3	2658.5
-20°	7953.1	9954.6	11097.4	11938.6	11097.4	9954.6	7953.1	5343.7	3750.1	2445.0	2061.8



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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°	3653.0	4269.8	4618.5	5012.5	4618.5	4269.8	3653.0	2802.3	2212.8	1980.7	1835.7
-25°	2202.1	2285.1	2335.2	2375.5	2335.2	2285.1	2202.1	2075.1	1928.8	1828.5	1745.6
-27.5°	1994.1	2021.2	2036.9	2053.3	2036.9	2021.2	1994.1	1945.8	1889.5	1892.7	1905.9
-30°	2036.6	2009.1	1999.6	1989.0	1999.6	2009.1	2036.6	2060.0	2087.3	2138.3	2230.4
-32.5°	2317.7	2264.2	2235.5	2208.4	2235.5	2264.2	2317.7	2364.5	2411.1	2444.1	2472.9
-35°	2659.6	2635.5	2622.9	2606.9	2622.9	2635.5	2659.6	2665.9	2649.6	2631.4	2615.4
-37.5°	2847.0	2842.8	2842.0	2834.0	2842.0	2842.8	2847.0	2838.4	2787.5	2745.0	2659.4
-40°	2907.3	2905.6	2901.4	2897.4	2901.4	2905.6	2907.3	2897.7	2814.3	2723.1	2559.1
-42.5°	2887.9	2913.7	2926.1	2926.6	2926.1	2913.7	2887.9	2848.9	2702.6	2503.6	2205.2
-45°	2659.8	2791.6	2868.2	2888.9	2868.2	2791.6	2659.8	2482.6	2204.5	1885.9	1559.8
-47.5°	1834.6	2020.5	2163.8	2253.9	2163.8	2020.5	1834.6	1624.0	1387.4	1142.9	911.7
-50°	943.1	967.3	991.7	1015.5	991.7	967.3	943.1	917.2	887.5	850.9	811.7
-52.5°	866.3	876.4	882.7	886.1	882.7	876.4	866.3	856.2	843.7	819.6	793.9
-55°	855.3	864.6	869.3	870.7	869.3	864.6	855.3	845.6	834.9	808.8	783.2
-57.5°	820.5	833.6	841.4	845.0	841.4	833.6	820.5	804.7	786.3	753.3	718.5
-60°	710.4	722.0	729.9	734.4	729.9	722.0	710.4	695.9	678.4	650.7	619.1
-62.5°	588.4	599.2	605.2	607.6	605.2	599.2	588.4	574.7	558.3	534.6	506.6
-65°	458.8	468.1	477.6	485.0	477.6	468.1	458.8	446.9	432.6	413.4	390.2
-67.5°	332.3	339.8	348.1	354.8	348.1	339.8	332.3	322.9	311.7	297.6	280.2
-70°	217.2	221.3	228.2	234.0	228.2	221.3	217.2	211.5	204.2	194.6	182.1
-72.5°	121.5	124.2	129.2	133.7	129.2	124.2	121.5	118.0	113.6	108.3	101.8
-75°	59.8	61.0	61.5	61.7	61.5	61.0	59.8	58.2	56.4	54.2	51.5
-77.5°	33.4	34.1	34.3	34.3	34.3	34.1	33.4	32.7	31.9	31.1	30.1
-80°	24.5	24.8	25.3	25.7	25.3	24.8	24.5	24.1	23.6	23.1	22.5
-82.5°	18.5	18.8	18.9	18.9	18.9	18.8	18.5	18.2	17.8	17.5	17.1
-85°	13.5	13.7	13.7	13.7	13.7	13.7	13.5	13.2	13.0	12.7	12.6
-87.5°	10.9	11.1	11.1	11.1	11.1	11.1	10.9	10.7	10.5	10.3	10.0
-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°	9.0	8.8	8.6	8.4	8.2	7.9	7.7	7.5	7.3	7.1	6.9
87.5°	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.1	1.2	1.2
82.5°	0.9	0.9	0.9	1.0	1.1	1.2	1.3	1.3	1.4	1.6	1.7
80°	1.2	1.3	1.4	1.6	1.7	1.9	1.9	1.9	1.8	1.7	1.7
77.5°	1.6	1.6	1.7	2.0	2.2	2.4	2.6	2.6	2.4	2.3	2.2
75°	2.3	2.4	2.6	2.7	2.7	2.6	2.7	2.8	2.9	2.9	2.8
72.5°	4.2	4.3	4.6	5.1	5.2	5.3	5.1	4.7	4.2	3.7	3.3
70°	6.0	6.4	7.3	8.5	9.4	9.8	9.7	8.9	7.4	6.3	5.3
67.5°	7.5	8.0	9.2	10.9	12.3	13.5	14.8	15.6	15.1	13.5	9.5
65°	8.0	9.0	10.0	10.8	12.2	14.3	18.3	20.4	21.1	20.6	16.2
62.5°	6.6	7.5	8.2	9.0	10.2	12.6	18.0	22.3	25.5	25.3	20.3
60°	5.5	6.0	6.4	7.1	7.8	10.5	15.7	21.6	28.3	26.4	22.3
57.5°	5.0	5.3	5.6	5.9	6.0	8.2	12.3	17.8	24.2	23.8	21.7
55°	5.1	5.4	5.7	5.9	6.1	7.2	8.9	12.4	17.4	18.7	17.8
52.5°	5.9	6.0	6.2	6.6	6.8	7.1	7.7	9.7	11.1	13.0	13.9
50°	6.8	6.8	6.8	6.8	7.2	7.3	7.6	8.4	9.3	9.9	10.3
47.5°	8.5	8.3	7.8	7.6	8.1	7.8	7.9	8.0	8.8	9.1	9.2
45°	14.4	13.7	10.5	10.8	10.9	10.6	9.3	10.1	9.5	9.4	9.4
42.5°	35.5	27.5	24.5	19.9	16.9	15.9	14.3	14.4	13.6	11.2	11.3
40°	54.0	44.1	37.9	34.6	28.8	24.2	24.6	20.4	19.2	16.8	16.0
37.5°	63.2	48.8	55.7	52.9	45.5	44.0	43.4	35.5	25.8	30.7	29.5
35°	94.4	89.1	95.0	91.1	74.8	88.1	79.6	61.7	50.8	53.7	49.3
32.5°	192.5	188.8	175.8	162.3	158.5	157.8	143.3	109.6	100.9	93.7	79.5
30°	361.6	335.1	303.0	285.0	278.7	255.8	228.8	234.1	192.2	145.8	119.7
27.5°	624.0	528.3	481.5	501.3	439.1	388.0	412.4	435.3	324.7	237.0	177.2
25°	962.0	823.5	815.6	815.4	720.5	627.4	667.1	669.7	560.6	359.2	255.4
22.5°	1343.1	1205.6	1153.3	1210.7	1100.6	1017.1	967.7	931.9	849.9	583.8	396.4
20°	1664.1	1543.2	1454.2	1456.7	1473.2	1404.5	1304.5	1209.2	1097.8	876.1	575.8
17.5°	2049.2	1829.7	1680.4	1647.6	1716.7	1722.7	1601.3	1453.3	1337.3	1178.1	781.2
15°	2654.4	2105.5	1881.9	1808.6	1849.9	1885.5	1831.4	1678.8	1565.3	1433.6	1020.0
12.5°	4231.0	2365.6	2051.4	1877.2	1870.5	1963.9	1985.2	1888.9	1742.7	1556.4	1187.8
10°	5690.6	2974.1	2217.9	1980.3	1904.7	1986.4	2044.6	1934.1	1772.8	1618.5	1331.7
7.5°	8845.8	3938.8	2381.4	2065.2	1931.5	1954.5	2004.1	1901.7	1782.2	1661.3	1451.4
5°	11075.8	4648.2	2484.8	2120.9	1949.8	1944.8	1978.0	1845.1	1775.1	1688.4	1546.6
2.5°	12331.9	5011.3	2543.0	2159.7	1965.4	1956.7	1976.4	1809.8	1761.5	1680.1	1561.6
0°	11831.4	4656.0	2515.2	2167.3	1977.0	1984.8	1997.6	1802.2	1745.7	1661.7	1553.7
-2.5°	12124.4	4920.2	2546.0	2166.9	1986.7	1991.1	2096.3	1886.7	1792.8	1680.0	1538.3
-5°	10614.5	4430.7	2439.9	2086.0	1934.8	1953.7	2072.7	1911.6	1796.4	1677.7	1498.8
-7.5°	8231.7	3718.9	2294.0	1986.2	1865.8	1899.5	1979.0	1860.7	1718.2	1607.1	1404.6
-10°	5247.6	2842.0	2117.8	1883.9	1800.5	1850.4	1902.8	1785.6	1635.8	1534.2	1295.8
-12.5°	3671.8	2256.1	1934.9	1771.4	1748.1	1838.0	1862.8	1702.7	1550.2	1460.8	1176.6
-15°	2418.9	2007.1	1817.2	1725.9	1731.5	1815.7	1834.5	1691.2	1565.8	1420.6	1050.5
-17.5°	2057.1	1830.4	1720.4	1708.9	1757.4	1802.0	1808.9	1723.4	1599.7	1395.3	937.9
-20°	1854.5	1736.8	1722.5	1740.5	1791.1	1825.2	1821.3	1766.0	1615.0	1266.6	812.5



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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°	1745.3	1768.6	1801.7	1823.4	1819.8	1828.9	1817.3	1767.3	1613.1	1087.7	670.3
-25°	1817.3	1900.1	1979.1	1988.1	1901.0	1832.9	1816.9	1720.4	1383.5	895.5	535.0
-27.5°	2026.4	2142.2	2228.9	2192.0	2063.5	1894.0	1790.0	1624.5	1108.6	711.7	522.8
-30°	2316.3	2369.9	2413.6	2387.8	2204.6	2004.7	1781.2	1301.1	871.8	561.5	509.4
-32.5°	2513.7	2501.6	2503.5	2462.7	2298.0	2053.5	1512.4	985.5	636.8	545.0	506.6
-35°	2595.1	2516.0	2456.8	2390.4	2314.5	1716.1	1148.2	733.8	575.7	531.3	506.0
-37.5°	2556.4	2416.2	2313.2	2175.4	1741.6	1244.5	801.8	620.7	560.6	528.8	503.4
-40°	2383.8	2232.7	1899.5	1538.3	1171.7	786.5	664.2	606.2	566.4	525.2	499.6
-42.5°	1925.1	1616.2	1301.8	996.1	740.4	694.1	650.6	612.0	572.3	530.9	478.0
-45°	1295.5	1036.7	796.8	748.8	704.0	677.0	655.0	618.6	578.8	515.7	452.0
-47.5°	836.9	790.9	746.2	717.6	695.9	674.5	654.4	623.8	552.7	486.9	423.7
-50°	778.9	755.7	733.6	712.8	692.5	672.6	631.8	579.6	512.6	448.9	389.4
-52.5°	766.6	746.0	726.6	707.5	668.8	622.6	574.5	522.4	463.9	403.9	348.2
-55°	758.2	723.1	685.3	646.0	604.5	557.7	509.8	459.5	406.7	352.4	301.1
-57.5°	683.6	647.3	608.1	569.0	530.2	483.7	435.4	388.7	344.7	296.8	251.3
-60°	586.0	552.2	516.0	477.9	438.2	396.6	356.3	317.0	279.1	244.1	208.9
-62.5°	476.8	445.6	413.3	379.9	345.4	310.3	278.6	250.8	223.3	194.2	161.5
-65°	365.4	339.2	311.4	286.0	261.1	236.9	213.2	189.0	164.1	138.4	111.2
-67.5°	261.5	241.6	221.9	203.3	184.9	165.3	144.8	123.8	106.4	90.0	71.7
-70°	168.8	154.8	140.5	125.5	112.3	99.9	87.1	73.9	60.1	51.2	43.9
-72.5°	94.5	86.5	77.8	68.4	58.2	52.0	47.4	42.6	37.2	31.1	26.6
-75°	48.6	45.4	42.1	38.6	35.0	31.2	28.9	27.0	25.2	23.6	22.0
-77.5°	29.0	27.9	26.8	25.7	24.6	23.4	22.1	20.9	20.0	19.1	18.1
-80°	21.7	21.0	20.3	19.7	19.0	18.4	17.6	16.9	16.1	15.3	14.6
-82.5°	16.7	16.3	15.9	15.4	14.8	14.1	13.5	13.0	12.5	12.0	11.6
-85°	12.5	12.4	12.2	11.7	11.2	10.7	10.2	10.1	9.9	9.8	9.6
-87.5°	9.8	9.6	9.3	9.1	8.9	8.7	8.4	8.4	8.3	8.2	8.1
-90°	0.0	0.0	0.0	0.2	0.5	0.7	0.9	0.9	0.9	0.9	0.9



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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°	6.7	6.5	6.2	6.0	6.0	6.0	6.0	6.0	5.6	5.2	4.7
87.5°	1.0	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8	1.9	1.9
85°	1.3	1.4	1.5	1.7	1.7	1.7	1.7	1.7	1.9	2.0	2.1
82.5°	1.7	1.7	1.7	1.7	1.8	1.9	2.0	2.0	2.1	2.2	2.3
80°	1.9	2.0	2.0	2.0	2.1	2.2	2.3	2.3	2.4	2.5	2.6
77.5°	2.2	2.3	2.4	2.5	2.4	2.4	2.5	2.6	2.8	2.8	2.8
75°	2.6	2.5	2.5	2.6	2.7	2.6	2.6	2.7	2.9	3.1	3.1
72.5°	3.2	3.0	2.8	2.7	2.8	2.8	2.7	2.7	2.9	3.1	3.3
70°	4.3	3.6	3.2	3.1	3.0	3.1	3.1	3.0	2.9	3.1	3.3
67.5°	6.0	4.9	4.1	3.5	3.3	3.3	3.3	3.3	3.2	3.1	3.3
65°	11.6	7.7	5.0	4.3	3.7	3.4	3.4	3.6	3.6	3.4	3.3
62.5°	15.8	11.7	8.1	5.6	4.3	3.8	3.4	3.7	3.9	3.7	3.5
60°	18.7	14.2	10.9	7.9	5.5	4.2	3.8	3.9	4.0	4.0	3.8
57.5°	18.0	15.5	13.1	10.1	7.2	5.1	4.3	4.2	4.3	4.3	4.1
55°	15.8	13.8	14.3	12.2	8.9	6.1	5.0	4.6	4.5	4.5	4.3
52.5°	12.9	13.0	14.1	13.6	10.8	7.4	6.0	5.1	4.9	4.8	4.6
50°	10.4	12.3	14.1	14.5	12.6	9.5	6.9	5.9	5.3	5.1	4.8
47.5°	9.5	11.7	13.5	15.3	14.2	11.5	8.5	6.6	5.7	5.4	5.1
45°	10.5	11.5	13.2	14.9	15.9	13.1	10.2	7.4	6.3	5.7	5.4
42.5°	12.6	12.9	13.4	14.5	15.8	14.4	11.8	8.7	6.9	6.1	5.7
40°	15.9	15.5	14.4	15.6	15.8	15.5	12.9	10.0	7.4	6.5	6.0
37.5°	20.1	19.2	17.4	18.5	16.9	15.9	13.8	11.3	8.2	7.0	6.3
35°	36.4	24.1	27.1	25.7	21.0	16.7	14.6	12.3	9.4	7.6	6.6
32.5°	57.2	45.3	47.9	37.7	26.6	17.9	15.4	13.3	10.6	8.1	6.8
30°	96.1	95.2	79.4	53.1	35.3	23.0	16.9	14.6	11.7	8.7	7.1
27.5°	161.9	155.7	122.8	82.2	50.0	29.9	19.6	16.0	12.8	9.4	7.6
25°	229.5	218.7	181.6	121.8	66.9	46.4	22.6	17.6	13.9	10.3	8.0
22.5°	302.1	279.6	247.5	168.0	95.6	68.4	31.0	20.1	15.2	11.1	8.5
20°	373.6	339.7	314.1	207.6	131.2	94.0	46.9	22.7	16.4	11.9	8.9
17.5°	459.5	387.8	340.4	246.7	166.8	119.7	65.6	25.5	17.8	12.6	9.3
15°	594.2	419.8	363.7	281.1	197.6	145.5	86.5	28.5	19.1	13.3	9.7
12.5°	716.7	449.5	386.7	311.1	224.2	171.1	108.9	31.4	20.5	13.9	10.0
10°	831.5	476.9	409.1	336.7	247.0	196.2	131.9	34.4	21.7	14.5	10.3
7.5°	935.4	501.7	430.4	358.2	264.4	212.2	146.2	37.2	22.9	15.0	10.6
5°	1013.7	520.0	446.3	367.9	268.9	217.7	156.9	39.9	24.0	15.5	10.8
2.5°	1021.2	529.3	458.3	373.2	271.9	221.5	165.1	42.4	24.9	16.0	11.0
0°	1006.1	535.6	467.9	375.4	273.4	223.7	170.5	44.6	25.7	16.3	11.1
-2.5°	991.8	535.8	468.8	382.0	285.7	230.2	176.5	57.4	33.9	20.9	13.2
-5°	959.5	533.7	467.2	386.1	296.2	235.4	180.1	69.5	41.8	25.3	15.3
-7.5°	904.6	523.4	460.5	387.2	304.3	239.4	181.8	80.7	49.1	29.4	17.2
-10°	831.5	507.4	447.5	381.2	308.2	244.6	182.5	90.8	55.8	33.1	18.9
-12.5°	742.2	489.7	434.3	375.2	310.6	250.7	184.2	99.3	61.6	36.3	20.4
-15°	637.3	470.5	421.4	370.0	312.3	255.7	184.2	106.2	66.8	39.3	21.6
-17.5°	521.3	449.9	409.6	366.3	313.6	259.5	182.7	111.6	71.0	42.3	22.9
-20°	497.1	440.3	399.7	364.8	314.7	262.1	179.7	115.3	74.2	44.5	24.2



REPORT NUMBER: P731426 (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°	489.1	441.3	402.9	363.7	315.7	263.6	175.5	117.1	76.3	45.8	24.9
-25°	479.6	443.3	407.7	363.5	315.6	256.2	173.5	117.0	77.2	46.2	25.1
-27.5°	477.9	446.4	412.1	359.9	310.2	247.7	172.8	117.6	77.1	45.6	24.6
-30°	481.0	450.1	407.7	352.8	302.3	233.7	169.4	116.6	76.3	44.8	23.4
-32.5°	482.2	453.5	397.3	342.3	287.4	219.1	161.7	114.0	74.2	43.5	22.8
-35°	480.4	441.8	382.7	329.0	269.7	207.5	152.5	109.6	70.7	41.1	22.1
-37.5°	476.2	420.9	365.4	311.5	251.7	194.2	144.3	102.6	65.8	37.8	21.0
-40°	452.5	398.9	345.4	291.5	234.6	179.1	134.5	94.5	60.7	33.4	19.4
-42.5°	427.5	375.0	322.6	270.9	216.3	166.4	123.1	84.9	54.1	30.2	17.4
-45°	399.4	348.4	297.3	246.5	196.9	152.1	110.7	74.1	46.4	27.4	15.7
-47.5°	368.6	318.6	268.5	219.6	178.6	135.9	96.5	64.3	37.9	23.9	15.1
-50°	334.0	284.9	236.2	194.6	157.0	118.0	81.6	53.4	33.1	19.8	14.3
-52.5°	295.7	246.5	205.9	169.7	133.2	98.1	67.9	42.1	27.8	17.7	13.5
-55°	251.9	211.9	177.4	141.9	107.6	79.7	53.0	35.3	22.0	16.5	12.5
-57.5°	214.1	179.7	144.8	111.4	84.1	60.6	41.8	28.0	19.4	15.2	11.9
-60°	175.2	141.2	109.1	84.4	62.1	45.0	32.6	22.1	17.8	14.0	11.1
-62.5°	130.1	101.7	79.9	59.1	44.6	33.7	24.2	19.9	16.0	13.1	10.4
-65°	90.1	70.1	52.0	41.8	31.8	24.3	21.5	17.7	14.8	12.2	9.7
-67.5°	54.3	45.4	36.4	27.5	23.7	21.3	18.6	16.2	13.8	11.3	9.4
-70°	36.3	28.5	24.7	22.6	20.5	18.3	16.9	15.0	12.7	10.7	8.9
-72.5°	24.7	22.9	21.1	19.4	17.8	16.5	15.3	13.8	11.8	10.0	8.4
-75°	20.5	19.2	17.9	16.7	15.5	14.5	13.7	12.6	10.8	9.3	7.8
-77.5°	17.0	16.0	14.9	14.1	13.4	12.8	12.1	11.3	9.8	8.5	7.1
-80°	13.9	13.3	12.7	12.1	11.6	11.1	10.7	10.2	8.9	7.7	6.4
-82.5°	11.2	10.9	10.7	10.4	10.1	9.8	9.6	9.2	8.0	6.9	5.8
-85°	9.5	9.3	9.1	9.0	8.8	8.6	8.4	8.2	7.2	6.3	5.5
-87.5°	8.0	7.8	7.7	7.5	7.4	7.3	7.2	7.1	6.4	5.7	5.1
-90°	0.9	0.9	0.9	0.9	1.1	1.3	1.5	1.7	1.7	1.7	1.7



REPORT NUMBER: P731426 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.3	3.9	3.5	3.0	2.6	2.6	2.6
87.5°	1.9	2.1	2.2	2.4	2.6	2.6	2.6
85°	2.2	2.2	2.3	2.4	2.6	2.6	2.6
82.5°	2.4	2.4	2.4	2.5	2.6	2.7	2.6
80°	2.6	2.5	2.5	2.5	2.6	2.7	2.6
77.5°	2.8	2.7	2.5	2.5	2.6	2.7	2.6
75°	3.0	2.8	2.6	2.6	2.6	2.7	2.6
72.5°	3.2	3.0	2.8	2.6	2.6	2.7	2.6
70°	3.4	3.2	2.9	2.6	2.6	2.7	2.6
67.5°	3.4	3.3	3.0	2.7	2.6	2.8	2.6
65°	3.5	3.4	3.1	2.8	2.7	2.8	2.6
62.5°	3.5	3.5	3.3	2.9	2.7	2.8	2.6
60°	3.6	3.6	3.4	3.0	2.7	2.8	2.6
57.5°	3.8	3.7	3.5	3.1	2.8	2.8	2.6
55°	4.0	3.8	3.6	3.2	2.9	2.9	2.6
52.5°	4.2	3.9	3.7	3.3	2.9	2.9	2.6
50°	4.4	4.1	3.8	3.3	3.0	2.9	2.6
47.5°	4.6	4.2	3.9	3.4	3.1	2.9	2.6
45°	4.9	4.4	4.0	3.5	3.2	3.0	2.6
42.5°	5.2	4.5	4.1	3.6	3.3	3.0	2.6
40°	5.5	4.7	4.2	3.7	3.3	3.0	2.6
37.5°	5.8	4.8	4.3	3.8	3.4	3.0	2.6
35°	6.1	5.1	4.4	3.9	3.5	3.1	2.6
32.5°	6.4	5.3	4.6	4.0	3.5	3.1	2.6
30°	6.6	5.5	4.7	4.1	3.6	3.1	2.6
27.5°	6.8	5.8	4.8	4.2	3.7	3.1	2.6
25°	7.0	6.0	4.9	4.3	3.8	3.2	2.6
22.5°	7.2	6.2	5.1	4.4	3.8	3.2	2.6
20°	7.4	6.4	5.2	4.5	3.9	3.2	2.6
17.5°	7.5	6.5	5.3	4.6	3.9	3.2	2.6
15°	7.7	6.6	5.4	4.7	4.0	3.3	2.6
12.5°	7.8	6.7	5.5	4.8	4.1	3.3	2.6
10°	8.0	6.8	5.6	4.9	4.1	3.3	2.6
7.5°	8.2	6.8	5.7	4.9	4.2	3.3	2.6
5°	8.3	6.9	5.8	5.0	4.2	3.4	2.6
2.5°	8.5	6.9	5.9	5.0	4.3	3.4	2.6
0°	8.6	6.9	6.0	5.1	4.3	3.4	2.6
-2.5°	9.4	7.3	6.1	5.2	4.3	3.4	2.6
-5°	10.1	7.6	6.3	5.2	4.4	3.4	2.6
-7.5°	10.9	8.0	6.4	5.3	4.4	3.5	2.6
-10°	11.5	8.3	6.5	5.3	4.4	3.5	2.6
-12.5°	12.1	8.5	6.6	5.3	4.4	3.5	2.6
-15°	12.6	8.8	6.7	5.4	4.4	3.5	2.6
-17.5°	13.0	9.0	6.8	5.4	4.5	3.5	2.6
-20°	13.4	9.1	6.8	5.4	4.5	3.5	2.6



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 CATALOG NUMBER: EPH-LS-08-0320N-57-80-1S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	13.8	9.2	6.8	5.4	4.5	3.5	2.6
-25°	14.1	9.3	6.9	5.4	4.5	3.5	2.6
-27.5°	14.0	9.3	6.8	5.4	4.5	3.5	2.6
-30°	13.7	9.3	6.8	5.4	4.5	3.5	2.6
-32.5°	13.1	9.3	6.8	5.4	4.5	3.5	2.6
-35°	12.8	9.1	6.8	5.4	4.5	3.5	2.6
-37.5°	12.6	9.0	6.7	5.4	4.4	3.5	2.6
-40°	12.4	8.9	6.6	5.3	4.4	3.4	2.6
-42.5°	12.0	8.8	6.5	5.3	4.4	3.4	2.6
-45°	11.6	8.6	6.5	5.3	4.4	3.4	2.6
-47.5°	11.0	8.4	6.5	5.3	4.4	3.4	2.6
-50°	10.6	8.1	6.4	5.2	4.3	3.3	2.6
-52.5°	10.2	7.8	6.4	5.2	4.3	3.3	2.6
-55°	9.8	7.6	6.3	5.1	4.3	3.3	2.6
-57.5°	9.2	7.5	6.2	5.0	4.2	3.2	2.6
-60°	8.7	7.3	6.0	5.0	4.2	3.2	2.6
-62.5°	8.4	7.1	5.9	4.9	4.1	3.2	2.6
-65°	8.2	6.9	5.7	4.7	4.0	3.1	2.6
-67.5°	7.9	6.6	5.5	4.6	3.8	3.1	2.6
-70°	7.5	6.3	5.2	4.5	3.7	3.0	2.6
-72.5°	7.0	5.9	5.0	4.3	3.6	3.0	2.6
-75°	6.4	5.5	4.7	4.1	3.5	2.9	2.6
-77.5°	5.8	5.0	4.5	4.0	3.3	2.9	2.6
-80°	5.2	4.7	4.3	3.8	3.2	2.8	2.6
-82.5°	4.9	4.5	4.1	3.6	3.0	2.8	2.6
-85°	4.7	4.3	3.9	3.4	2.9	2.7	2.6
-87.5°	4.5	4.1	3.7	3.2	2.7	2.7	2.6
-90°	1.7	1.9	2.2	2.4	2.6	2.6	2.6

(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

