

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: P701339 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-80-1S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701339 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-2)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-80-1S-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

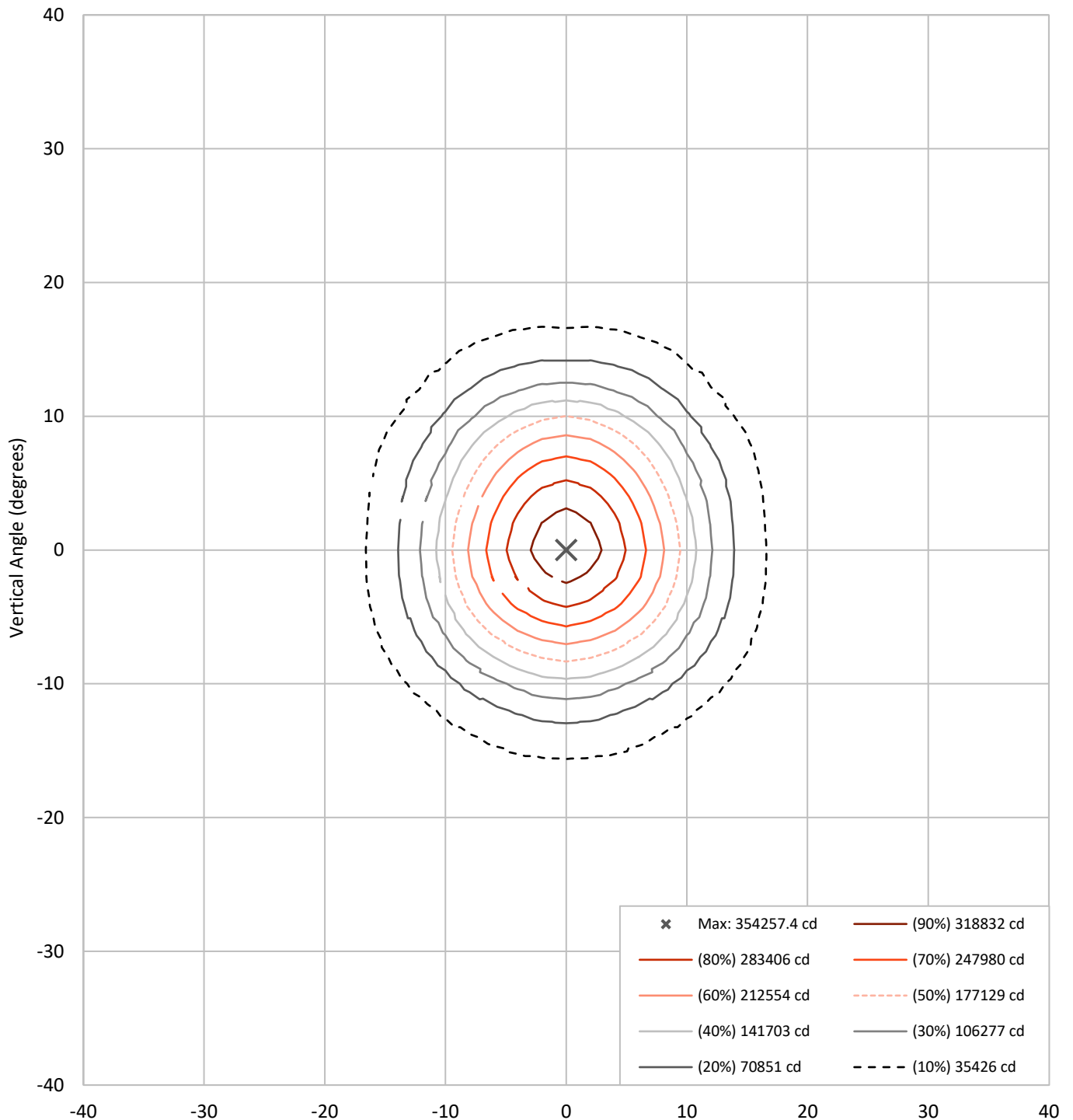
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	42670.9 lumens	Max Intensity:	354257.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	124.9 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:	19909 lumens	Field Lumens:	36160.1 lumens
Beam Efficiency:	46.7%	Field Efficiency:	84.7%

Input Watts (W): 341.6
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





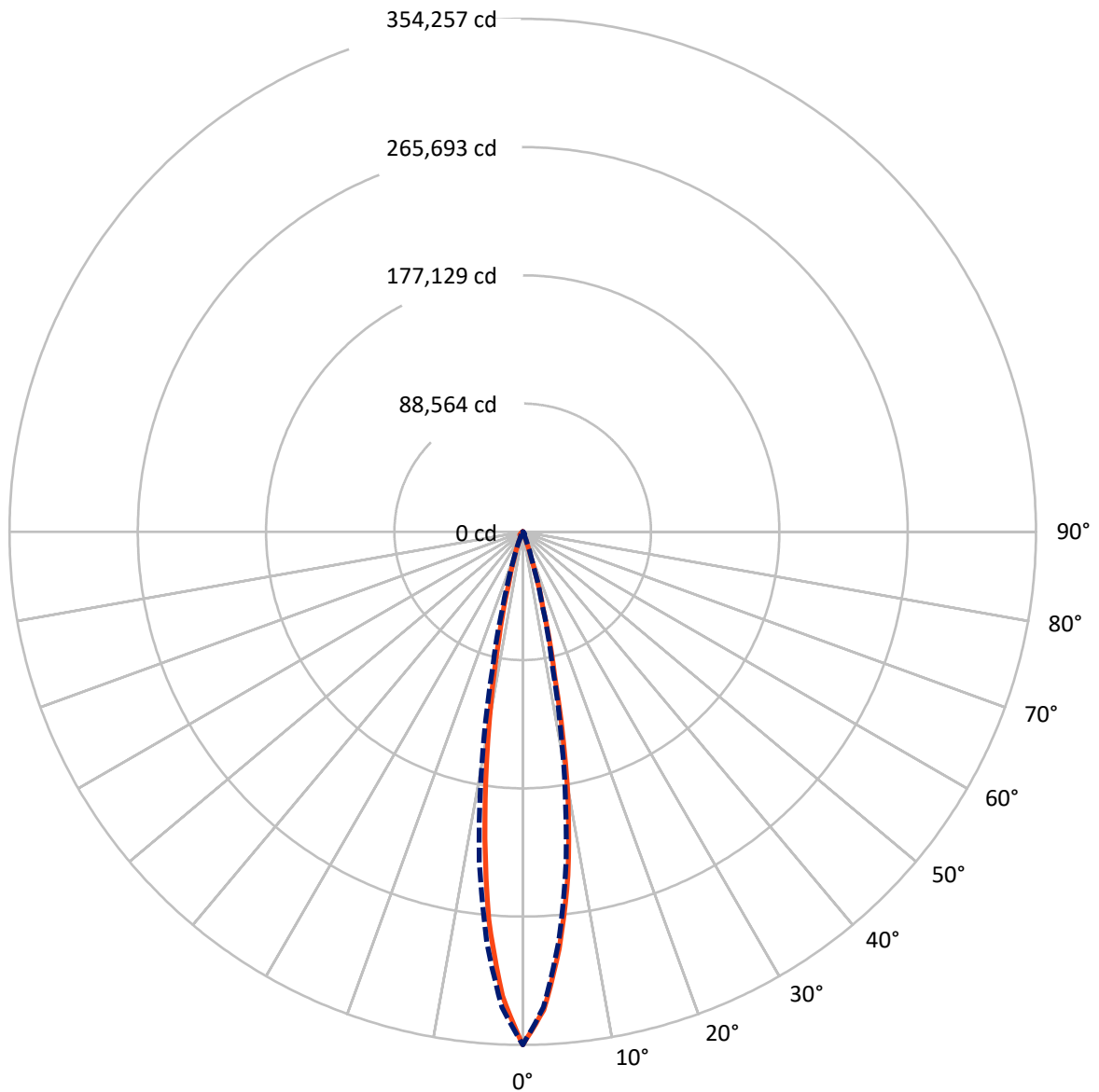
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Lumen Table

90	0.1	0.1	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	0.3	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	17.4	23.7	37.9	67.6	67.6	37.9	23.7	17.4	7.4	2.3	0.3	0.1
20		0.7	5.0	21.3	42.9	56.8	415.0	1672.5	1672.5	415.0	56.8	42.9	21.3	5.0	0.7	
10	0.2	1.2	6.4	28.7	47.7	104.3	1554.8	6714.6	6714.6	1554.8	104.3	47.7	28.7	6.4	1.2	0.2
0		1.4	6.7	28.2	47.6	101.2	1487.5	6220.2	6220.2	1487.5	101.2	47.6	28.2	6.7	1.4	
-10	0.3	1.7	6.5	22.6	43.9	55.4	331.3	1241.9	1241.9	331.3	55.4	43.9	22.6	6.5	1.7	0.3
-20		1.7	6.3	15.7	43.5	54.5	61.7	106.6	106.6	61.7	54.5	43.5	15.7	6.3	1.7	
-30	0.3	1.5	5.7	11.0	30.9	64.0	74.9	77.2	77.2	74.9	64.0	30.9	11.0	5.7	1.5	0.3
-40		1.1	4.4	9.7	16.3	29.4	53.3	72.4	72.4	53.3	29.4	16.3	9.7	4.4	1.1	
-50	0.2	0.5	2.5	6.6	12.5	18.2	22.9	25.8	25.8	22.9	18.2	12.5	6.6	2.5	0.5	0.2
-60		0.2	0.8	2.6	5.4	8.8	12.1	14.2	14.2	12.1	8.8	5.4	2.6	0.8	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	
-80		0.7	1.9	4.5	6.0	4.5	1.9	0.7								
-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				

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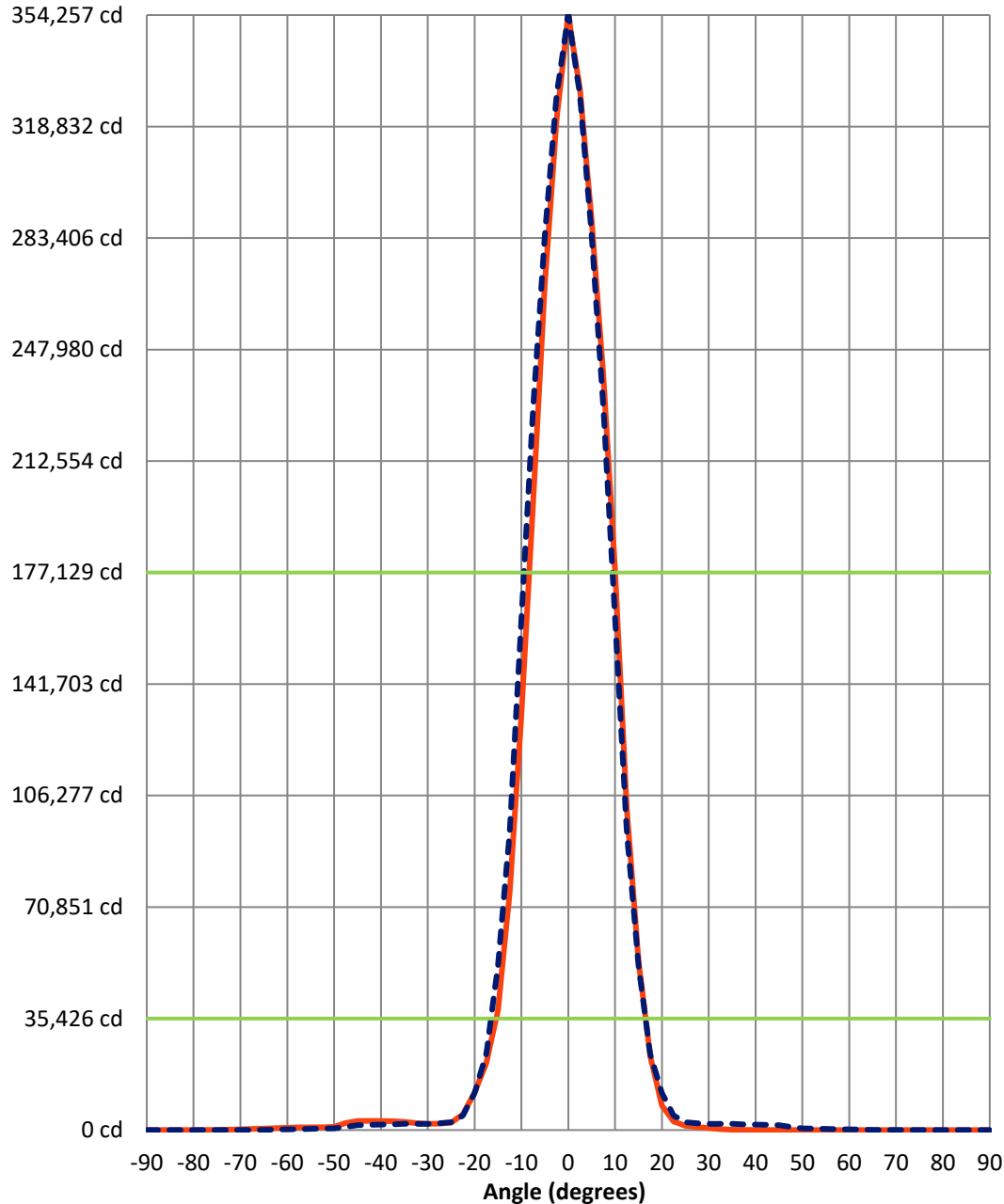
Luminous Intensity Polar Plot



— 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: 19909
Efficiency: 46.7%

Field:
H Angle: 33°
V Angle: 31.9°
Lumens: 36160.1
Efficiency: 84.7%

Spill:
Lumens: 6510.7
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	5.8
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	7.3
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	5.4	6.0	6.5	7.4	10.0
37.5°	2.6	3.0	3.4	3.8	4.3	4.8	5.7	6.3	7.0	8.2	11.3
35°	2.6	3.1	3.5	3.9	4.4	5.0	6.0	6.5	7.6	9.4	12.3
32.5°	2.6	3.1	3.5	4.0	4.6	5.3	6.3	6.8	8.1	10.6	13.3
30°	2.6	3.1	3.6	4.1	4.7	5.5	6.5	7.1	8.7	11.7	14.5
27.5°	2.6	3.1	3.7	4.2	4.8	5.7	6.7	7.6	9.4	12.8	15.9
25°	2.6	3.2	3.8	4.3	4.9	5.9	6.9	8.0	10.3	13.9	17.5
22.5°	2.6	3.2	3.8	4.4	5.1	6.2	7.1	8.5	11.1	15.1	20.0
20°	2.6	3.2	3.9	4.5	5.2	6.3	7.3	8.9	11.9	16.4	22.6
17.5°	2.6	3.2	3.9	4.6	5.3	6.5	7.5	9.3	12.6	17.7	25.4
15°	2.6	3.3	4.0	4.7	5.4	6.6	7.6	9.7	13.2	19.0	28.4
12.5°	2.6	3.3	4.1	4.8	5.5	6.6	7.8	10.0	13.8	20.4	31.3
10°	2.6	3.3	4.1	4.9	5.6	6.7	8.0	10.3	14.4	21.6	34.2
7.5°	2.6	3.3	4.2	4.9	5.7	6.8	8.1	10.6	14.9	22.8	37.1
5°	2.6	3.4	4.2	5.0	5.8	6.8	8.3	10.8	15.4	23.9	39.8
2.5°	2.6	3.4	4.3	5.0	5.9	6.8	8.4	11.0	15.9	24.8	42.2
0°	2.6	3.4	4.3	5.1	6.0	6.8	8.5	11.1	16.2	25.6	44.4
-2.5°	2.6	3.4	4.3	5.2	6.1	7.2	9.3	13.2	20.8	33.8	57.1
-5°	2.6	3.4	4.4	5.2	6.3	7.6	10.1	15.3	25.2	41.7	69.2
-7.5°	2.6	3.5	4.4	5.3	6.4	7.9	10.8	17.2	29.4	49.0	80.4
-10°	2.6	3.5	4.4	5.3	6.5	8.2	11.4	18.9	33.0	55.6	90.5
-12.5°	2.6	3.5	4.4	5.3	6.6	8.5	12.0	20.3	36.2	61.4	99.0
-15°	2.6	3.5	4.4	5.4	6.7	8.8	12.5	21.5	39.2	66.6	105.9
-17.5°	2.6	3.5	4.5	5.4	6.8	9.0	12.9	22.8	42.2	70.8	111.2
-20°	2.6	3.5	4.5	5.4	6.8	9.1	13.3	24.1	44.3	74.0	114.9



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 CATALOG NUMBER: EPH-LS-08-0320L-40-80-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	2.6	3.5	4.5	5.4	6.8	9.2	13.8	24.8	45.6	76.1	116.7
-25°	2.6	3.5	4.5	5.4	6.9	9.3	14.0	25.0	46.1	76.9	116.6
-27.5°	2.6	3.5	4.5	5.4	6.8	9.3	14.0	24.5	45.5	76.9	117.2
-30°	2.6	3.5	4.5	5.4	6.8	9.3	13.7	23.3	44.7	76.1	116.3
-32.5°	2.6	3.5	4.5	5.4	6.8	9.2	13.1	22.7	43.3	74.0	113.6
-35°	2.6	3.5	4.5	5.4	6.8	9.1	12.8	22.0	41.0	70.5	109.3
-37.5°	2.6	3.5	4.4	5.4	6.7	9.0	12.6	20.9	37.7	65.6	102.3
-40°	2.6	3.4	4.4	5.3	6.6	8.9	12.3	19.3	33.3	60.5	94.2
-42.5°	2.6	3.4	4.4	5.3	6.5	8.7	12.0	17.3	30.1	53.9	84.6
-45°	2.6	3.4	4.4	5.3	6.5	8.6	11.5	15.7	27.3	46.3	73.9
-47.5°	2.6	3.4	4.4	5.3	6.5	8.3	11.0	15.0	23.8	37.8	64.1
-50°	2.6	3.3	4.3	5.2	6.4	8.1	10.6	14.2	19.7	33.0	53.3
-52.5°	2.6	3.3	4.3	5.2	6.4	7.8	10.2	13.4	17.6	27.7	42.0
-55°	2.6	3.3	4.3	5.1	6.3	7.6	9.7	12.4	16.4	21.9	35.2
-57.5°	2.6	3.2	4.2	5.0	6.2	7.5	9.2	11.8	15.1	19.3	27.9
-60°	2.6	3.2	4.2	5.0	6.0	7.3	8.7	11.1	13.9	17.7	22.0
-62.5°	2.6	3.2	4.1	4.9	5.9	7.1	8.4	10.4	13.0	15.9	19.8
-65°	2.6	3.1	4.0	4.7	5.7	6.9	8.2	9.7	12.2	14.7	17.6
-67.5°	2.6	3.1	3.8	4.6	5.5	6.6	7.9	9.4	11.3	13.7	16.1
-70°	2.6	3.0	3.7	4.5	5.2	6.3	7.5	8.9	10.6	12.6	14.9
-72.5°	2.6	3.0	3.6	4.3	5.0	5.9	7.0	8.4	10.0	11.7	13.7
-75°	2.6	2.9	3.5	4.1	4.7	5.5	6.4	7.8	9.3	10.8	12.5
-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	7.6	8.9	10.2
-82.5°	2.6	2.8	3.0	3.6	4.1	4.5	4.9	5.8	6.8	8.0	9.1
-85°	2.6	2.7	2.9	3.4	3.9	4.3	4.7	5.4	6.3	7.1	8.1
-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	6.4	6.6	6.8	7.0	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	6.2	7.3	8.9
67.5°	3.3	3.3	3.3	3.5	4.1	4.9	6.0	9.4	13.4	15.1	15.6
65°	3.4	3.4	3.7	4.3	5.0	7.7	11.5	16.2	20.5	21.1	20.3
62.5°	3.4	3.8	4.3	5.5	8.1	11.7	15.8	20.2	25.2	25.4	22.3
60°	3.8	4.2	5.5	7.9	10.9	14.2	18.6	22.2	26.3	28.2	21.5
57.5°	4.3	5.0	7.1	10.0	13.1	15.5	17.9	21.6	23.7	24.1	17.7
55°	5.0	6.1	8.8	12.1	14.3	13.8	15.7	17.7	18.6	17.3	12.4
52.5°	6.0	7.3	10.8	13.6	14.1	12.9	12.9	13.9	12.9	11.1	9.7
50°	6.9	9.4	12.6	14.4	14.0	12.3	10.4	10.2	9.8	9.2	8.3
47.5°	8.5	11.5	14.2	15.2	13.5	11.7	9.4	9.1	9.1	8.8	8.0
45°	10.2	13.1	15.8	14.8	13.1	11.4	10.5	9.4	9.4	9.5	10.0
42.5°	11.8	14.3	15.7	14.4	13.3	12.8	12.6	11.3	11.2	13.5	14.3
40°	12.9	15.4	15.7	15.5	14.3	15.5	15.9	16.0	16.7	19.1	20.4
37.5°	13.8	15.8	16.8	18.4	17.3	19.2	20.1	29.4	30.5	25.8	35.4
35°	14.5	16.6	20.9	25.6	27.1	24.0	36.3	49.1	53.5	50.7	61.6
32.5°	15.3	17.8	26.5	37.6	47.8	45.1	57.0	79.2	93.4	100.6	109.3
30°	16.8	22.9	35.2	52.9	79.1	94.9	95.8	119.3	145.4	191.7	233.4
27.5°	19.5	29.8	49.9	81.9	122.4	155.3	161.4	176.6	236.3	323.8	434.0
25°	22.5	46.3	66.7	121.4	181.0	218.1	228.8	254.6	358.2	558.9	667.8
22.5°	30.9	68.3	95.3	167.4	246.8	278.7	301.2	395.2	582.1	847.4	929.1
20°	46.7	93.7	130.7	206.9	313.2	338.7	372.5	574.1	873.6	1094.5	1205.6
17.5°	65.4	119.4	166.2	246.0	339.5	386.7	458.2	778.9	1174.6	1333.4	1449.0
15°	86.3	145.1	197.0	280.3	362.7	418.6	592.4	1016.9	1429.4	1560.7	1673.8
12.5°	108.6	170.6	223.5	310.1	385.6	448.2	714.6	1184.3	1551.8	1737.6	1883.3
10°	131.6	195.7	246.2	335.7	407.9	475.5	829.0	1327.7	1613.7	1767.6	1928.4
7.5°	145.8	211.6	263.6	357.1	429.1	500.3	932.7	1447.1	1656.4	1776.9	1896.1
5°	156.5	217.1	268.1	366.8	445.0	518.5	1010.8	1542.1	1683.4	1769.8	1839.7
2.5°	164.6	220.8	271.1	372.0	456.9	527.7	1018.2	1557.0	1675.2	1756.3	1804.5
0°	170.0	223.0	272.6	374.2	466.5	534.0	1003.1	1549.1	1656.8	1740.5	1796.9
-2.5°	176.0	229.5	284.9	380.8	467.4	534.2	988.8	1533.8	1675.1	1787.5	1881.1
-5°	179.6	234.7	295.3	384.9	465.8	532.1	956.6	1494.4	1672.8	1791.1	1906.0
-7.5°	181.3	238.7	303.5	386.1	459.2	521.9	901.9	1400.5	1602.4	1713.1	1855.2
-10°	181.9	243.9	307.3	380.0	446.2	505.9	829.1	1292.0	1529.7	1631.0	1780.4
-12.5°	183.6	250.0	309.7	374.1	433.0	488.2	740.0	1173.1	1456.4	1545.6	1697.7
-15°	183.7	254.9	311.4	368.9	420.2	469.1	635.4	1047.4	1416.4	1561.2	1686.2
-17.5°	182.1	258.7	312.7	365.2	408.4	448.5	519.8	935.2	1391.2	1594.9	1718.2
-20°	179.2	261.3	313.8	363.8	398.5	439.0	495.6	810.1	1262.8	1610.2	1760.8



REPORT NUMBER: P701339 (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°	175.0	262.8	314.8	362.6	401.7	440.0	487.6	668.3	1084.5	1608.3	1762.0
-25°	173.0	255.4	314.6	362.4	406.5	442.0	478.2	533.3	892.8	1379.4	1715.4
-27.5°	172.3	247.0	309.2	358.9	410.8	445.1	476.5	521.2	709.5	1105.3	1619.7
-30°	168.9	233.0	301.4	351.7	406.5	448.7	479.6	508.0	559.8	869.2	1297.3
-32.5°	161.1	218.5	286.5	341.3	396.1	452.1	480.8	505.2	543.4	634.9	982.6
-35°	152.0	206.9	268.9	328.0	381.6	440.5	478.9	504.5	529.7	574.0	731.6
-37.5°	143.9	193.6	250.9	310.5	364.3	419.6	474.8	501.9	527.2	558.9	618.9
-40°	134.1	178.5	233.9	290.6	344.4	397.6	451.1	498.2	523.6	564.8	604.4
-42.5°	122.8	165.9	215.7	270.1	321.6	373.8	426.2	476.5	529.3	570.6	610.2
-45°	110.4	151.6	196.3	245.8	296.4	347.4	398.2	450.6	514.2	577.1	616.8
-47.5°	96.2	135.5	178.0	219.0	267.7	317.6	367.5	422.3	485.4	551.1	621.9
-50°	81.3	117.6	156.4	194.0	235.5	284.1	333.0	388.2	447.5	511.1	577.8
-52.5°	67.7	97.8	132.8	169.1	205.3	245.8	294.8	347.2	402.7	462.5	520.8
-55°	52.8	79.4	107.2	141.4	176.9	211.2	251.1	300.2	351.4	405.5	458.2
-57.5°	41.7	60.5	83.9	111.0	144.4	179.2	213.5	250.6	295.9	343.6	387.5
-60°	32.5	44.9	61.9	84.1	108.7	140.7	174.7	208.3	243.3	278.3	316.1
-62.5°	24.1	33.6	44.5	59.0	79.6	101.4	129.7	161.0	193.6	222.6	250.0
-65°	21.4	24.2	31.7	41.7	51.9	69.9	89.8	110.8	138.1	163.6	188.4
-67.5°	18.5	21.2	23.6	27.4	36.3	45.3	54.1	71.5	89.7	106.1	123.5
-70°	16.8	18.3	20.5	22.6	24.6	28.4	36.2	43.8	51.0	59.9	73.7
-72.5°	15.2	16.4	17.8	19.3	21.1	22.8	24.6	26.5	31.0	37.1	42.5
-75°	13.6	14.4	15.4	16.6	17.9	19.1	20.4	21.9	23.5	25.2	26.9
-77.5°	12.1	12.7	13.4	14.0	14.8	15.9	17.0	18.0	19.0	20.0	20.9
-80°	10.7	11.1	11.6	12.1	12.6	13.2	13.9	14.6	15.3	16.1	16.8
-82.5°	9.5	9.8	10.1	10.4	10.6	10.9	11.2	11.6	12.0	12.5	12.9
-85°	8.3	8.5	8.7	8.9	9.1	9.2	9.4	9.6	9.7	9.9	10.0
-87.5°	7.2	7.2	7.3	7.4	7.6	7.7	7.9	8.0	8.1	8.2	8.3
-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	8.1	8.3	8.5	8.7	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	6.3
65°	18.2	14.3	12.2	10.8	10.0	9.0	8.0	7.0	6.1	5.5	5.3
62.5°	18.0	12.6	10.1	9.0	8.1	7.5	6.6	5.7	5.0	4.5	4.4
60°	15.6	10.4	7.8	7.0	6.4	6.0	5.5	5.0	4.6	4.3	4.3
57.5°	12.2	8.1	6.0	5.9	5.6	5.3	5.0	4.7	4.5	4.3	4.5
55°	8.9	7.1	6.0	5.9	5.7	5.4	5.1	5.0	4.9	4.8	5.2
52.5°	7.7	7.0	6.7	6.5	6.2	6.0	5.9	5.9	6.0	6.1	6.3
50°	7.6	7.3	7.1	6.7	6.7	6.7	6.7	7.0	7.2	7.3	7.4
47.5°	7.9	7.7	8.0	7.6	7.8	8.3	8.4	8.6	9.2	9.4	9.4
45°	9.3	10.5	10.9	10.8	10.5	13.7	14.4	13.2	18.1	17.4	13.5
42.5°	14.3	15.9	16.9	19.9	24.5	27.5	35.5	48.7	43.5	32.8	21.2
40°	24.6	24.1	28.7	34.5	37.8	44.0	53.8	66.5	61.4	52.1	55.6
37.5°	43.3	43.8	45.3	52.8	55.5	48.6	63.0	62.0	52.6	67.2	69.0
35°	79.4	87.8	74.6	90.8	94.6	88.8	94.1	104.1	90.0	108.9	114.9
32.5°	142.8	157.4	158.0	161.8	175.2	188.2	191.9	218.8	227.6	250.3	274.8
30°	228.1	255.0	277.9	284.0	302.1	334.1	360.6	412.5	468.2	510.0	564.9
27.5°	411.2	386.9	437.8	499.9	480.1	526.7	622.1	697.1	808.0	887.9	930.9
25°	665.1	625.6	718.4	813.0	813.2	821.0	959.1	1079.5	1170.2	1242.2	1305.4
22.5°	964.8	1014.1	1097.3	1207.1	1149.9	1202.0	1339.1	1436.8	1564.0	1688.5	2061.9
20°	1300.7	1400.4	1468.9	1452.5	1449.9	1538.6	1659.2	1847.8	2232.3	3587.9	4882.5
17.5°	1596.6	1717.7	1711.7	1642.8	1675.4	1824.3	2043.1	2775.4	4718.1	9120.9	13241.3
15°	1826.0	1880.0	1844.5	1803.2	1876.3	2099.3	2646.5	5014.5	10909.8	17960.4	26008.2
12.5°	1979.4	1958.2	1865.0	1871.7	2045.4	2358.6	4218.5	9760.6	18284.9	28297.8	48531.4
10°	2038.6	1980.6	1899.1	1974.5	2211.4	2965.4	5673.9	13552.3	26439.9	47257.1	74529.3
7.5°	1998.2	1948.8	1925.8	2059.1	2374.4	3927.2	8819.7	19168.6	37899.3	64744.5	103123.4
5°	1972.2	1939.1	1944.1	2114.6	2477.4	4634.5	11043.0	22701.8	47010.5	81655.9	130482.1
2.5°	1970.6	1951.0	1959.7	2153.2	2535.5	4996.5	12295.5	23290.2	50210.9	90854.7	152868.0
0°	1991.7	1978.9	1971.2	2160.9	2507.8	4642.2	11796.5	24235.5	52406.6	95004.9	162593.3
-2.5°	2090.1	1985.2	1980.8	2160.5	2538.4	4905.7	12088.6	23909.1	51614.1	91169.2	152160.5
-5°	2066.6	1948.0	1929.0	2079.9	2432.7	4417.6	10583.2	22080.6	45337.6	77521.6	125416.0
-7.5°	1973.2	1894.0	1860.3	1980.3	2287.2	3707.9	8207.4	17432.9	34140.0	58432.9	90375.3
-10°	1897.2	1845.0	1795.2	1878.3	2111.6	2833.6	5232.1	11695.2	23222.3	39735.6	58028.4
-12.5°	1857.4	1832.6	1743.0	1766.1	1929.1	2249.4	3661.0	7905.1	14543.1	21576.9	35247.4
-15°	1829.1	1810.4	1726.4	1720.8	1811.8	2001.1	2411.8	4100.4	8132.6	13196.3	18622.6
-17.5°	1803.5	1796.7	1752.2	1703.9	1715.3	1825.0	2051.1	2650.7	4159.0	7377.7	10885.0
-20°	1815.9	1819.8	1785.9	1735.4	1717.4	1731.6	1849.0	2055.6	2437.7	3739.0	5327.9



REPORT NUMBER: P701339 (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°	1811.9	1823.5	1814.5	1818.1	1796.4	1763.4	1740.1	1830.3	1974.9	2206.3	2794.0
-25°	1811.6	1827.5	1895.4	1982.3	1973.2	1894.4	1811.9	1740.4	1823.1	1923.1	2068.9
-27.5°	1784.8	1888.5	2057.4	2185.5	2222.2	2135.9	2020.4	1900.3	1887.1	1883.9	1940.0
-30°	1776.0	1998.8	2198.1	2380.7	2406.4	2362.9	2309.4	2223.8	2132.0	2081.1	2053.9
-32.5°	1507.9	2047.5	2291.2	2455.4	2496.1	2494.2	2506.2	2465.6	2437.0	2404.1	2357.6
-35°	1144.8	1711.1	2307.7	2383.4	2449.5	2508.5	2587.5	2607.7	2623.6	2641.8	2658.0
-37.5°	799.4	1240.8	1736.5	2169.0	2306.4	2409.0	2548.9	2651.5	2736.9	2779.2	2830.1
-40°	662.3	784.2	1168.3	1533.8	1893.9	2226.1	2376.7	2551.6	2715.1	2806.0	2889.1
-42.5°	648.7	692.1	738.2	993.2	1298.0	1611.5	1919.5	2198.7	2496.2	2694.6	2840.5
-45°	653.1	675.0	701.9	746.7	794.4	1033.7	1291.8	1555.2	1880.3	2198.0	2475.2
-47.5°	652.5	672.5	693.8	715.5	744.0	788.6	834.5	909.0	1139.6	1383.3	1619.2
-50°	629.9	670.6	690.5	710.7	731.4	753.5	776.6	809.4	848.4	884.9	914.5
-52.5°	572.8	620.8	666.8	705.4	724.4	743.8	764.4	791.6	817.2	841.2	853.7
-55°	508.3	556.0	602.7	644.1	683.2	720.9	755.9	780.9	806.5	832.4	843.1
-57.5°	434.2	482.3	528.6	567.3	606.3	645.3	681.6	716.4	751.1	784.0	802.3
-60°	355.2	395.4	436.9	476.5	514.5	550.6	584.3	617.3	648.8	676.4	693.8
-62.5°	277.7	309.4	344.4	378.7	412.0	444.3	475.4	505.1	533.1	556.6	573.0
-65°	212.6	236.2	260.3	285.1	310.4	338.1	364.3	389.0	412.2	431.3	445.6
-67.5°	144.4	164.8	184.3	202.7	221.3	240.9	260.7	279.3	296.7	310.8	321.9
-70°	86.8	99.6	111.9	125.2	140.1	154.4	168.3	181.6	194.0	203.6	210.9
-72.5°	47.3	51.9	58.1	68.2	77.6	86.3	94.3	101.5	107.9	113.3	117.6
-75°	28.8	31.1	34.9	38.5	41.9	45.3	48.4	51.3	54.0	56.2	58.0
-77.5°	22.1	23.3	24.5	25.6	26.7	27.8	28.9	30.0	31.0	31.8	32.6
-80°	17.6	18.3	19.0	19.6	20.2	20.9	21.7	22.4	23.0	23.5	24.0
-82.5°	13.4	14.1	14.7	15.3	15.9	16.3	16.6	17.0	17.4	17.8	18.1
-85°	10.2	10.6	11.1	11.6	12.1	12.3	12.4	12.5	12.6	12.9	13.2
-87.5°	8.4	8.6	8.8	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-08-0320L-40-80-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	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	6.3	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	7.0
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°	6.2	6.1	6.3	6.8	6.3	6.1	6.2	6.3	6.1	6.0	5.9
50°	7.5	7.6	7.7	7.7	7.7	7.6	7.5	7.4	7.3	7.2	7.0
47.5°	9.5	9.4	9.4	9.4	9.4	9.4	9.5	9.4	9.4	9.2	8.6
45°	14.0	14.2	14.6	15.4	14.6	14.2	14.0	13.5	17.4	18.1	13.2
42.5°	22.2	22.7	22.9	23.1	22.9	22.7	22.2	21.2	32.8	43.5	48.7
40°	52.8	41.9	31.4	31.6	31.4	41.9	52.8	55.6	52.1	61.4	66.5
37.5°	60.6	55.1	52.9	52.1	52.9	55.1	60.6	69.0	67.2	52.6	62.0
35°	114.8	116.8	114.2	115.4	114.2	116.8	114.8	114.9	108.9	90.0	104.1
32.5°	282.6	294.1	290.0	291.4	290.0	294.1	282.6	274.8	250.3	227.6	218.8
30°	587.1	622.3	630.3	628.0	630.3	622.3	587.1	564.9	510.0	468.2	412.5
27.5°	948.2	976.2	981.9	976.6	981.9	976.2	948.2	930.9	887.9	808.0	697.1
25°	1340.3	1366.9	1382.0	1374.8	1382.0	1366.9	1340.3	1305.4	1242.2	1170.2	1079.5
22.5°	2494.2	2615.3	2674.3	2754.7	2674.3	2615.3	2494.2	2061.9	1688.5	1564.0	1436.8
20°	7355.8	8191.9	8033.5	7860.9	8033.5	8191.9	7355.8	4882.5	3587.9	2232.3	1847.8
17.5°	18361.0	22472.3	24430.0	23633.1	24430.0	22472.3	18361.0	13241.3	9120.9	4718.1	2775.4
15°	37553.6	49040.8	55757.2	53964.2	55757.2	49040.8	37553.6	26008.2	17960.4	10909.8	5014.5
12.5°	68028.7	86285.2	100271.3	102273.3	100271.3	86285.2	68028.7	48531.4	28297.8	18284.9	9760.6
10°	106985.9	140722.0	168524.2	177601.6	168524.2	140722.0	106985.9	74529.3	47257.1	26439.9	13552.3
7.5°	153420.9	198456.4	230520.1	239432.3	230520.1	198456.4	153420.9	103123.4	64744.5	37899.3	19168.6
5°	190662.4	242492.3	277999.1	288905.1	277999.1	242492.3	190662.4	130482.1	81655.9	47010.5	22701.8
2.5°	218557.5	272922.1	312516.0	330607.6	312516.0	272922.1	218557.5	152868.0	90854.7	50210.9	23290.2
0°	229363.5	284147.6	328546.3	354257.4	328546.3	284147.6	229363.5	162593.3	95004.9	52406.6	24235.5
-2.5°	218792.8	269726.5	303916.5	320776.4	303916.5	269726.5	218792.8	152160.5	91169.2	51614.1	23909.1
-5°	182152.0	227221.7	256705.9	268608.6	256705.9	227221.7	182152.0	125416.0	77521.6	45337.6	22080.6
-7.5°	130516.4	167513.1	189490.3	199519.4	189490.3	167513.1	130516.4	90375.3	58432.9	34140.0	17432.9
-10°	84795.2	105273.4	127432.3	132175.0	127432.3	105273.4	84795.2	58028.4	39735.6	23222.3	11695.2
-12.5°	47771.5	60693.6	71706.7	75681.2	71706.7	60693.6	47771.5	35247.4	21576.9	14543.1	7905.1
-15°	25846.0	33208.4	37175.4	38151.0	37175.4	33208.4	25846.0	18622.6	13196.3	8132.6	4100.4
-17.5°	14839.0	18375.8	20399.5	21328.7	20399.5	18375.8	14839.0	10885.0	7377.7	4159.0	2650.7
-20°	7929.6	9925.2	11064.7	11903.3	11064.7	9925.2	7929.6	5327.9	3739.0	2437.7	2055.6



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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°	3642.2	4257.3	4604.8	4997.7	4604.8	4257.3	3642.2	2794.0	2206.3	1974.9	1830.3
-25°	2195.6	2278.3	2328.2	2368.5	2328.2	2278.3	2195.6	2068.9	1923.1	1823.1	1740.4
-27.5°	1988.2	2015.3	2030.9	2047.3	2030.9	2015.3	1988.2	1940.0	1883.9	1887.1	1900.3
-30°	2030.6	2003.1	1993.6	1983.2	1993.6	2003.1	2030.6	2053.9	2081.1	2132.0	2223.8
-32.5°	2310.8	2257.5	2228.8	2201.9	2228.8	2257.5	2310.8	2357.6	2404.1	2437.0	2465.6
-35°	2651.8	2627.8	2615.1	2599.2	2615.1	2627.8	2651.8	2658.0	2641.8	2623.6	2607.7
-37.5°	2838.6	2834.4	2833.7	2825.7	2833.7	2834.4	2838.6	2830.1	2779.2	2736.9	2651.5
-40°	2898.7	2897.1	2892.9	2888.9	2892.9	2897.1	2898.7	2889.1	2806.0	2715.1	2551.6
-42.5°	2879.3	2905.1	2917.5	2917.9	2917.5	2905.1	2879.3	2840.5	2694.6	2496.2	2198.7
-45°	2651.9	2783.2	2859.7	2880.3	2859.7	2783.2	2651.9	2475.2	2198.0	1880.3	1555.2
-47.5°	1829.2	2014.6	2157.4	2247.2	2157.4	2014.6	1829.2	1619.2	1383.3	1139.6	909.0
-50°	940.3	964.4	988.8	1012.5	988.8	964.4	940.3	914.5	884.9	848.4	809.4
-52.5°	863.7	873.8	880.1	883.5	880.1	873.8	863.7	853.7	841.2	817.2	791.6
-55°	852.8	862.1	866.7	868.1	866.7	862.1	852.8	843.1	832.4	806.5	780.9
-57.5°	818.1	831.2	838.9	842.5	838.9	831.2	818.1	802.3	784.0	751.1	716.4
-60°	708.3	719.9	727.7	732.3	727.7	719.9	708.3	693.8	676.4	648.8	617.3
-62.5°	586.6	597.4	603.4	605.8	603.4	597.4	586.6	573.0	556.6	533.1	505.1
-65°	457.4	466.7	476.2	483.6	476.2	466.7	457.4	445.6	431.3	412.2	389.0
-67.5°	331.3	338.8	347.1	353.7	347.1	338.8	331.3	321.9	310.8	296.7	279.3
-70°	216.6	220.8	227.5	233.3	227.5	220.8	216.6	210.9	203.6	194.0	181.6
-72.5°	121.2	123.8	128.8	133.3	128.8	123.8	121.2	117.6	113.3	107.9	101.5
-75°	59.6	60.8	61.3	61.5	61.3	60.8	59.6	58.0	56.2	54.0	51.3
-77.5°	33.3	34.0	34.2	34.2	34.2	34.0	33.3	32.6	31.8	31.0	30.0
-80°	24.4	24.7	25.2	25.6	25.2	24.7	24.4	24.0	23.5	23.0	22.4
-82.5°	18.4	18.7	18.8	18.8	18.8	18.7	18.4	18.1	17.8	17.4	17.0
-85°	13.4	13.7	13.7	13.7	13.7	13.7	13.4	13.2	12.9	12.6	12.5
-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	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.3	7.0	6.8
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	7.3	6.2	5.3
67.5°	7.5	8.0	9.2	10.9	12.3	13.5	14.8	15.6	15.1	13.4	9.4
65°	8.0	9.0	10.0	10.8	12.2	14.3	18.2	20.3	21.1	20.5	16.2
62.5°	6.6	7.5	8.1	9.0	10.1	12.6	18.0	22.3	25.4	25.2	20.2
60°	5.5	6.0	6.4	7.0	7.8	10.4	15.6	21.5	28.2	26.3	22.2
57.5°	5.0	5.3	5.6	5.9	6.0	8.1	12.2	17.7	24.1	23.7	21.6
55°	5.1	5.4	5.7	5.9	6.0	7.1	8.9	12.4	17.3	18.6	17.7
52.5°	5.9	6.0	6.2	6.5	6.7	7.0	7.7	9.7	11.1	12.9	13.9
50°	6.7	6.7	6.7	6.7	7.1	7.3	7.6	8.3	9.2	9.8	10.2
47.5°	8.4	8.3	7.8	7.6	8.0	7.7	7.9	8.0	8.8	9.1	9.1
45°	14.4	13.7	10.5	10.8	10.9	10.5	9.3	10.0	9.5	9.4	9.4
42.5°	35.5	27.5	24.5	19.9	16.9	15.9	14.3	14.3	13.5	11.2	11.3
40°	53.8	44.0	37.8	34.5	28.7	24.1	24.6	20.4	19.1	16.7	16.0
37.5°	63.0	48.6	55.5	52.8	45.3	43.8	43.3	35.4	25.8	30.5	29.4
35°	94.1	88.8	94.6	90.8	74.6	87.8	79.4	61.6	50.7	53.5	49.1
32.5°	191.9	188.2	175.2	161.8	158.0	157.4	142.8	109.3	100.6	93.4	79.2
30°	360.6	334.1	302.1	284.0	277.9	255.0	228.1	233.4	191.7	145.4	119.3
27.5°	622.1	526.7	480.1	499.9	437.8	386.9	411.2	434.0	323.8	236.3	176.6
25°	959.1	821.0	813.2	813.0	718.4	625.6	665.1	667.8	558.9	358.2	254.6
22.5°	1339.1	1202.0	1149.9	1207.1	1097.3	1014.1	964.8	929.1	847.4	582.1	395.2
20°	1659.2	1538.6	1449.9	1452.5	1468.9	1400.4	1300.7	1205.6	1094.5	873.6	574.1
17.5°	2043.1	1824.3	1675.4	1642.8	1711.7	1717.7	1596.6	1449.0	1333.4	1174.6	778.9
15°	2646.5	2099.3	1876.3	1803.2	1844.5	1880.0	1826.0	1673.8	1560.7	1429.4	1016.9
12.5°	4218.5	2358.6	2045.4	1871.7	1865.0	1958.2	1979.4	1883.3	1737.6	1551.8	1184.3
10°	5673.9	2965.4	2211.4	1974.5	1899.1	1980.6	2038.6	1928.4	1767.6	1613.7	1327.7
7.5°	8819.7	3927.2	2374.4	2059.1	1925.8	1948.8	1998.2	1896.1	1776.9	1656.4	1447.1
5°	11043.0	4634.5	2477.4	2114.6	1944.1	1939.1	1972.2	1839.7	1769.8	1683.4	1542.1
2.5°	12295.5	4996.5	2535.5	2153.2	1959.7	1951.0	1970.6	1804.5	1756.3	1675.2	1557.0
0°	11796.5	4642.2	2507.8	2160.9	1971.2	1978.9	1991.7	1796.9	1740.5	1656.8	1549.1
-2.5°	12088.6	4905.7	2538.4	2160.5	1980.8	1985.2	2090.1	1881.1	1787.5	1675.1	1533.8
-5°	10583.2	4417.6	2432.7	2079.9	1929.0	1948.0	2066.6	1906.0	1791.1	1672.8	1494.4
-7.5°	8207.4	3707.9	2287.2	1980.3	1860.3	1894.0	1973.2	1855.2	1713.1	1602.4	1400.5
-10°	5232.1	2833.6	2111.6	1878.3	1795.2	1845.0	1897.2	1780.4	1631.0	1529.7	1292.0
-12.5°	3661.0	2249.4	1929.1	1766.1	1743.0	1832.6	1857.4	1697.7	1545.6	1456.4	1173.1
-15°	2411.8	2001.1	1811.8	1720.8	1726.4	1810.4	1829.1	1686.2	1561.2	1416.4	1047.4
-17.5°	2051.1	1825.0	1715.3	1703.9	1752.2	1796.7	1803.5	1718.2	1594.9	1391.2	935.2
-20°	1849.0	1731.6	1717.4	1735.4	1785.9	1819.8	1815.9	1760.8	1610.2	1262.8	810.1



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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°	1740.1	1763.4	1796.4	1818.1	1814.5	1823.5	1811.9	1762.0	1608.3	1084.5	668.3
-25°	1811.9	1894.4	1973.2	1982.3	1895.4	1827.5	1811.6	1715.4	1379.4	892.8	533.3
-27.5°	2020.4	2135.9	2222.2	2185.5	2057.4	1888.5	1784.8	1619.7	1105.3	709.5	521.2
-30°	2309.4	2362.9	2406.4	2380.7	2198.1	1998.8	1776.0	1297.3	869.2	559.8	508.0
-32.5°	2506.2	2494.2	2496.1	2455.4	2291.2	2047.5	1507.9	982.6	634.9	543.4	505.2
-35°	2587.5	2508.5	2449.5	2383.4	2307.7	1711.1	1144.8	731.6	574.0	529.7	504.5
-37.5°	2548.9	2409.0	2306.4	2169.0	1736.5	1240.8	799.4	618.9	558.9	527.2	501.9
-40°	2376.7	2226.1	1893.9	1533.8	1168.3	784.2	662.3	604.4	564.8	523.6	498.2
-42.5°	1919.5	1611.5	1298.0	993.2	738.2	692.1	648.7	610.2	570.6	529.3	476.5
-45°	1291.8	1033.7	794.4	746.7	701.9	675.0	653.1	616.8	577.1	514.2	450.6
-47.5°	834.5	788.6	744.0	715.5	693.8	672.5	652.5	621.9	551.1	485.4	422.3
-50°	776.6	753.5	731.4	710.7	690.5	670.6	629.9	577.8	511.1	447.5	388.2
-52.5°	764.4	743.8	724.4	705.4	666.8	620.8	572.8	520.8	462.5	402.7	347.2
-55°	755.9	720.9	683.2	644.1	602.7	556.0	508.3	458.2	405.5	351.4	300.2
-57.5°	681.6	645.3	606.3	567.3	528.6	482.3	434.2	387.5	343.6	295.9	250.6
-60°	584.3	550.6	514.5	476.5	436.9	395.4	355.2	316.1	278.3	243.3	208.3
-62.5°	475.4	444.3	412.0	378.7	344.4	309.4	277.7	250.0	222.6	193.6	161.0
-65°	364.3	338.1	310.4	285.1	260.3	236.2	212.6	188.4	163.6	138.1	110.8
-67.5°	260.7	240.9	221.3	202.7	184.3	164.8	144.4	123.5	106.1	89.7	71.5
-70°	168.3	154.4	140.1	125.2	111.9	99.6	86.8	73.7	59.9	51.0	43.8
-72.5°	94.3	86.3	77.6	68.2	58.1	51.9	47.3	42.5	37.1	31.0	26.5
-75°	48.4	45.3	41.9	38.5	34.9	31.1	28.8	26.9	25.2	23.5	21.9
-77.5°	28.9	27.8	26.7	25.6	24.5	23.3	22.1	20.9	20.0	19.0	18.0
-80°	21.7	20.9	20.2	19.6	19.0	18.3	17.6	16.8	16.1	15.3	14.6
-82.5°	16.6	16.3	15.9	15.3	14.7	14.1	13.4	12.9	12.5	12.0	11.6
-85°	12.4	12.3	12.1	11.6	11.1	10.6	10.2	10.0	9.9	9.7	9.6
-87.5°	9.8	9.6	9.3	9.1	8.8	8.6	8.4	8.3	8.2	8.1	8.0
-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°	6.6	6.4	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°	11.5	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	5.5	4.3	3.8	3.4	3.7	3.9	3.7	3.5
60°	18.6	14.2	10.9	7.9	5.5	4.2	3.8	3.9	4.0	4.0	3.8
57.5°	17.9	15.5	13.1	10.0	7.1	5.0	4.3	4.2	4.3	4.3	4.1
55°	15.7	13.8	14.3	12.1	8.8	6.1	5.0	4.6	4.5	4.5	4.3
52.5°	12.9	12.9	14.1	13.6	10.8	7.3	6.0	5.1	4.9	4.8	4.6
50°	10.4	12.3	14.0	14.4	12.6	9.4	6.9	5.8	5.3	5.1	4.8
47.5°	9.4	11.7	13.5	15.2	14.2	11.5	8.5	6.6	5.7	5.4	5.1
45°	10.5	11.4	13.1	14.8	15.8	13.1	10.2	7.3	6.3	5.7	5.4
42.5°	12.6	12.8	13.3	14.4	15.7	14.3	11.8	8.7	6.9	6.1	5.7
40°	15.9	15.5	14.3	15.5	15.7	15.4	12.9	10.0	7.4	6.5	6.0
37.5°	20.1	19.2	17.3	18.4	16.8	15.8	13.8	11.3	8.2	7.0	6.3
35°	36.3	24.0	27.1	25.6	20.9	16.6	14.5	12.3	9.4	7.6	6.5
32.5°	57.0	45.1	47.8	37.6	26.5	17.8	15.3	13.3	10.6	8.1	6.8
30°	95.8	94.9	79.1	52.9	35.2	22.9	16.8	14.5	11.7	8.7	7.1
27.5°	161.4	155.3	122.4	81.9	49.9	29.8	19.5	15.9	12.8	9.4	7.6
25°	228.8	218.1	181.0	121.4	66.7	46.3	22.5	17.5	13.9	10.3	8.0
22.5°	301.2	278.7	246.8	167.4	95.3	68.3	30.9	20.0	15.1	11.1	8.5
20°	372.5	338.7	313.2	206.9	130.7	93.7	46.7	22.6	16.4	11.9	8.9
17.5°	458.2	386.7	339.5	246.0	166.2	119.4	65.4	25.4	17.7	12.6	9.3
15°	592.4	418.6	362.7	280.3	197.0	145.1	86.3	28.4	19.0	13.2	9.7
12.5°	714.6	448.2	385.6	310.1	223.5	170.6	108.6	31.3	20.4	13.8	10.0
10°	829.0	475.5	407.9	335.7	246.2	195.7	131.6	34.2	21.6	14.4	10.3
7.5°	932.7	500.3	429.1	357.1	263.6	211.6	145.8	37.1	22.8	14.9	10.6
5°	1010.8	518.5	445.0	366.8	268.1	217.1	156.5	39.8	23.9	15.4	10.8
2.5°	1018.2	527.7	456.9	372.0	271.1	220.8	164.6	42.2	24.8	15.9	11.0
0°	1003.1	534.0	466.5	374.2	272.6	223.0	170.0	44.4	25.6	16.2	11.1
-2.5°	988.8	534.2	467.4	380.8	284.9	229.5	176.0	57.1	33.8	20.8	13.2
-5°	956.6	532.1	465.8	384.9	295.3	234.7	179.6	69.2	41.7	25.2	15.3
-7.5°	901.9	521.9	459.2	386.1	303.5	238.7	181.3	80.4	49.0	29.4	17.2
-10°	829.1	505.9	446.2	380.0	307.3	243.9	181.9	90.5	55.6	33.0	18.9
-12.5°	740.0	488.2	433.0	374.1	309.7	250.0	183.6	99.0	61.4	36.2	20.3
-15°	635.4	469.1	420.2	368.9	311.4	254.9	183.7	105.9	66.6	39.2	21.5
-17.5°	519.8	448.5	408.4	365.2	312.7	258.7	182.1	111.2	70.8	42.2	22.8
-20°	495.6	439.0	398.5	363.8	313.8	261.3	179.2	114.9	74.0	44.3	24.1



REPORT NUMBER: P701339 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	487.6	440.0	401.7	362.6	314.8	262.8	175.0	116.7	76.1	45.6	24.8
-25°	478.2	442.0	406.5	362.4	314.6	255.4	173.0	116.6	76.9	46.1	25.0
-27.5°	476.5	445.1	410.8	358.9	309.2	247.0	172.3	117.2	76.9	45.5	24.5
-30°	479.6	448.7	406.5	351.7	301.4	233.0	168.9	116.3	76.1	44.7	23.3
-32.5°	480.8	452.1	396.1	341.3	286.5	218.5	161.1	113.6	74.0	43.3	22.7
-35°	478.9	440.5	381.6	328.0	268.9	206.9	152.0	109.3	70.5	41.0	22.0
-37.5°	474.8	419.6	364.3	310.5	250.9	193.6	143.9	102.3	65.6	37.7	20.9
-40°	451.1	397.6	344.4	290.6	233.9	178.5	134.1	94.2	60.5	33.3	19.3
-42.5°	426.2	373.8	321.6	270.1	215.7	165.9	122.8	84.6	53.9	30.1	17.3
-45°	398.2	347.4	296.4	245.8	196.3	151.6	110.4	73.9	46.3	27.3	15.7
-47.5°	367.5	317.6	267.7	219.0	178.0	135.5	96.2	64.1	37.8	23.8	15.0
-50°	333.0	284.1	235.5	194.0	156.4	117.6	81.3	53.3	33.0	19.7	14.2
-52.5°	294.8	245.8	205.3	169.1	132.8	97.8	67.7	42.0	27.7	17.6	13.4
-55°	251.1	211.2	176.9	141.4	107.2	79.4	52.8	35.2	21.9	16.4	12.4
-57.5°	213.5	179.2	144.4	111.0	83.9	60.5	41.7	27.9	19.3	15.1	11.8
-60°	174.7	140.7	108.7	84.1	61.9	44.9	32.5	22.0	17.7	13.9	11.1
-62.5°	129.7	101.4	79.6	59.0	44.5	33.6	24.1	19.8	15.9	13.0	10.4
-65°	89.8	69.9	51.9	41.7	31.7	24.2	21.4	17.6	14.7	12.2	9.7
-67.5°	54.1	45.3	36.3	27.4	23.6	21.2	18.5	16.1	13.7	11.3	9.4
-70°	36.2	28.4	24.6	22.6	20.5	18.3	16.8	14.9	12.6	10.6	8.9
-72.5°	24.6	22.8	21.1	19.3	17.8	16.4	15.2	13.7	11.7	10.0	8.4
-75°	20.4	19.1	17.9	16.6	15.4	14.4	13.6	12.5	10.8	9.3	7.8
-77.5°	17.0	15.9	14.8	14.0	13.4	12.7	12.1	11.3	9.8	8.5	7.1
-80°	13.9	13.2	12.6	12.1	11.6	11.1	10.7	10.2	8.9	7.6	6.4
-82.5°	11.2	10.9	10.6	10.4	10.1	9.8	9.5	9.1	8.0	6.8	5.8
-85°	9.4	9.2	9.1	8.9	8.7	8.5	8.3	8.1	7.1	6.3	5.4
-87.5°	7.9	7.7	7.6	7.4	7.3	7.2	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: P701339 (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°	5.4	4.7	4.2	3.7	3.3	3.0	2.6
37.5°	5.7	4.8	4.3	3.8	3.4	3.0	2.6
35°	6.0	5.0	4.4	3.9	3.5	3.1	2.6
32.5°	6.3	5.3	4.6	4.0	3.5	3.1	2.6
30°	6.5	5.5	4.7	4.1	3.6	3.1	2.6
27.5°	6.7	5.7	4.8	4.2	3.7	3.1	2.6
25°	6.9	5.9	4.9	4.3	3.8	3.2	2.6
22.5°	7.1	6.2	5.1	4.4	3.8	3.2	2.6
20°	7.3	6.3	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°	7.6	6.6	5.4	4.7	4.0	3.3	2.6
12.5°	7.8	6.6	5.5	4.8	4.1	3.3	2.6
10°	8.0	6.7	5.6	4.9	4.1	3.3	2.6
7.5°	8.1	6.8	5.7	4.9	4.2	3.3	2.6
5°	8.3	6.8	5.8	5.0	4.2	3.4	2.6
2.5°	8.4	6.8	5.9	5.0	4.3	3.4	2.6
0°	8.5	6.8	6.0	5.1	4.3	3.4	2.6
-2.5°	9.3	7.2	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°	10.8	7.9	6.4	5.3	4.4	3.5	2.6
-10°	11.4	8.2	6.5	5.3	4.4	3.5	2.6
-12.5°	12.0	8.5	6.6	5.3	4.4	3.5	2.6
-15°	12.5	8.8	6.7	5.4	4.4	3.5	2.6
-17.5°	12.9	9.0	6.8	5.4	4.5	3.5	2.6
-20°	13.3	9.1	6.8	5.4	4.5	3.5	2.6



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 CATALOG NUMBER: EPH-LS-08-0320L-40-80-1S-CV1-S

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°	14.0	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	9.2	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°	12.3	8.9	6.6	5.3	4.4	3.4	2.6
-42.5°	12.0	8.7	6.5	5.3	4.4	3.4	2.6
-45°	11.5	8.6	6.5	5.3	4.4	3.4	2.6
-47.5°	11.0	8.3	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°	9.7	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

