

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: P701347 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-80-3S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701347 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-20)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-80-3S-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

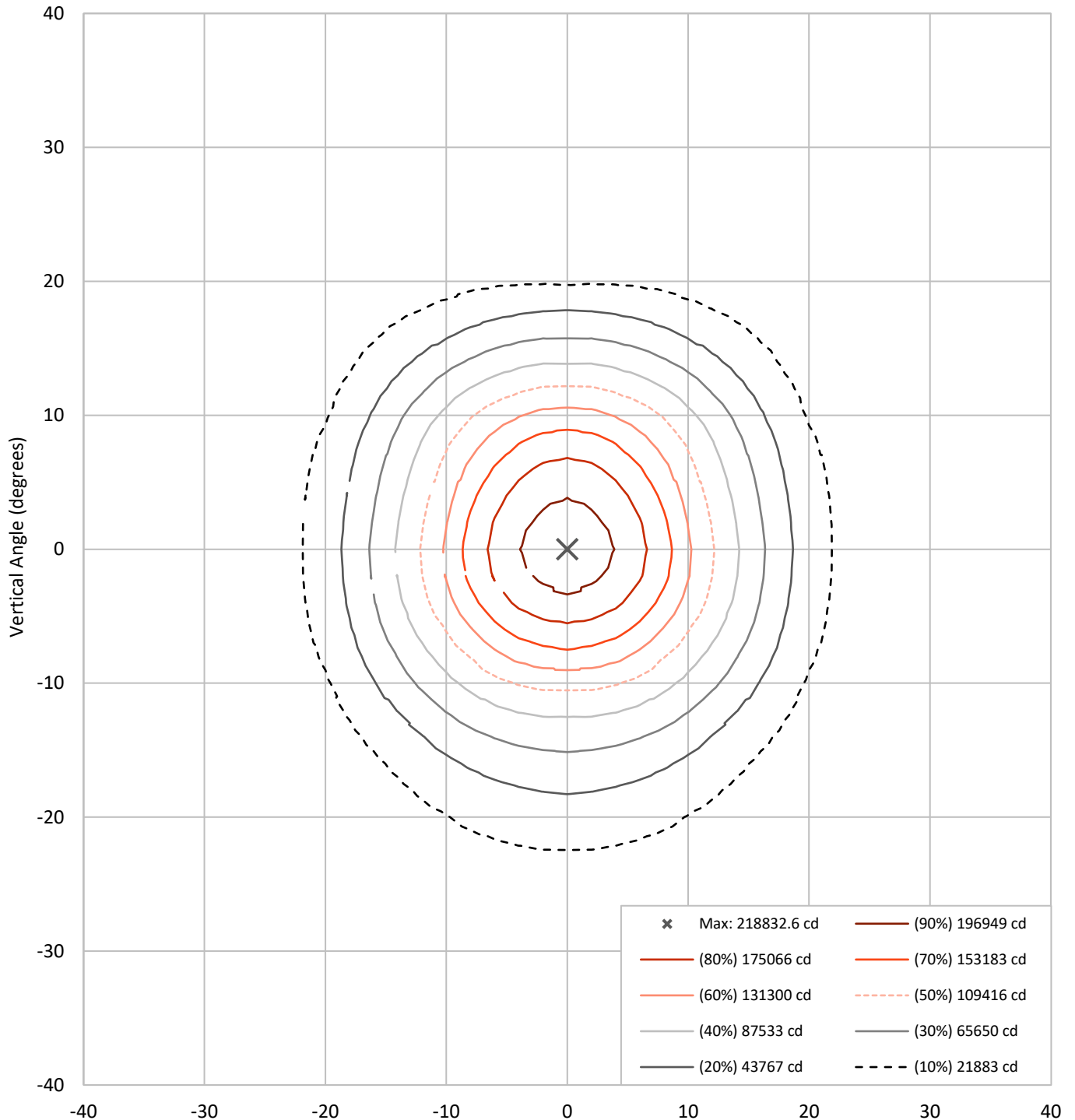
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	45354.8 lumens	Max Intensity:	218832.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	131.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.3°H x 22.7°V	Field Angle (10%):	43.8°H x 42.1°V
Beam Lumens:	21386.9 lumens	Field Lumens:	38636.4 lumens
Beam Efficiency:	47.2%	Field Efficiency:	85.2%

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

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Iso-Candela Plot





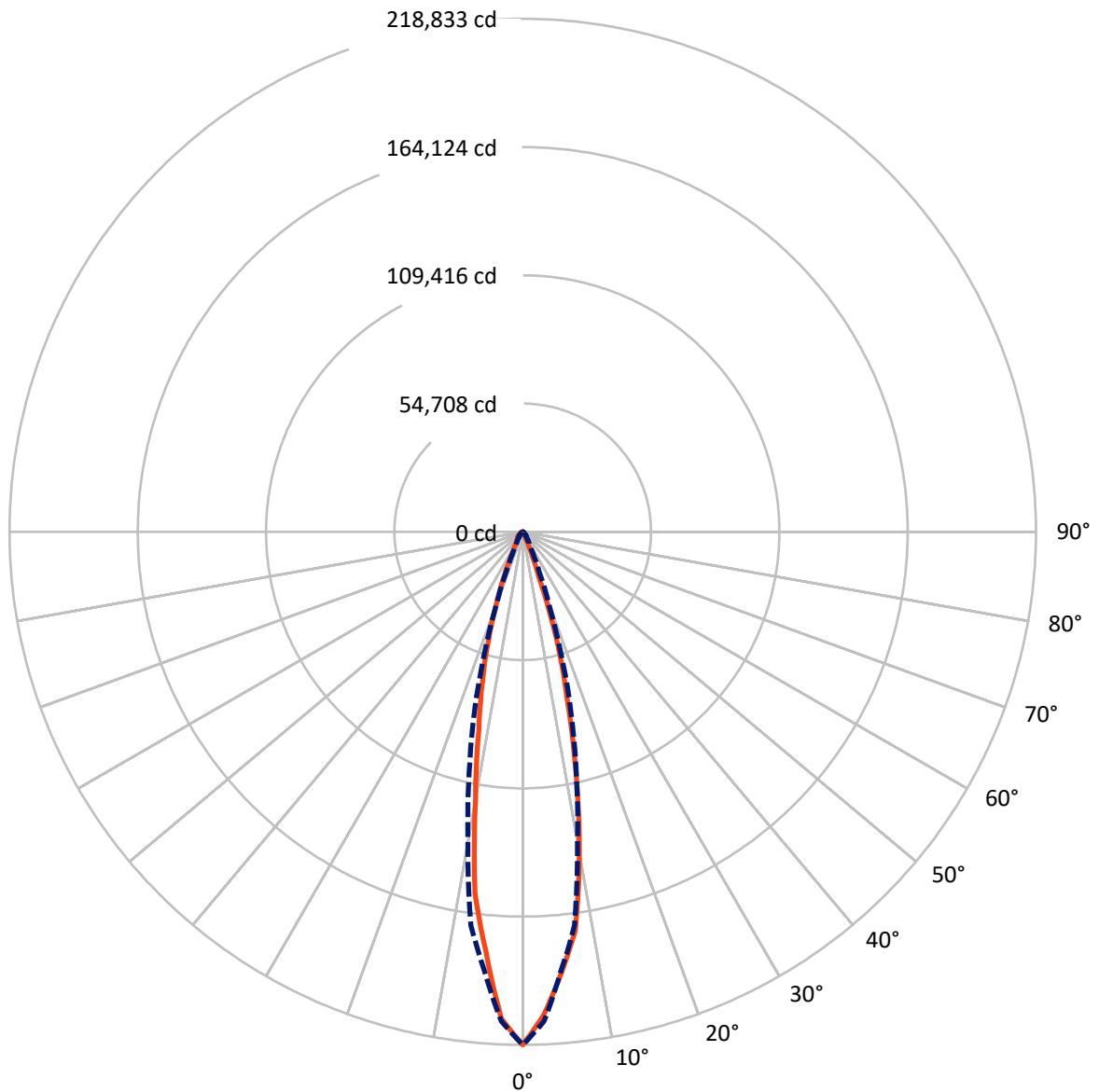
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Lumen Table

90	0.1		0.1		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		0.1		0.1	
70	0.1	0.0	0.1	0.4	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.4	0.1	0.0	0.1		
60		0.1	0.3	0.5	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5	0.3	0.1			
50	0.1	0.1	0.4	0.4	0.4	0.7	1.2	0.8	0.8	1.2	0.7	0.4	0.4	0.4	0.1	0.1		
40		0.2	0.8	1.8	3.2	4.6	6.3	7.6	7.6	6.3	4.6	3.2	1.8	0.8	0.2			
30	0.1	0.4	3.1	9.7	22.4	37.2	76.5	147.2	147.2	76.5	37.2	22.4	9.7	3.1	0.4	0.1		
20		0.9	6.6	24.6	59.6	157.9	869.2	2051.2	2051.2	869.2	157.9	59.6	24.6	6.6	0.9			
10	0.2	1.4	8.8	32.8	76.7	336.7	2083.8	4886.9	4886.9	2083.8	336.7	76.7	32.8	8.8	1.4	0.2		
0		1.8	9.4	33.3	76.9	333.4	2047.4	4683.1	4683.1	2047.4	333.4	76.9	33.3	9.4	1.8			
-10	0.4	2.1	8.9	27.7	60.5	159.1	830.1	1873.5	1873.5	830.1	159.1	60.5	27.7	8.9	2.1	0.4		
-20		2.2	8.3	20.7	51.5	90.2	206.5	422.2	422.2	206.5	90.2	51.5	20.7	8.3	2.2			
-30	0.3	2.0	7.1	15.7	38.0	74.6	104.8	128.7	128.7	104.8	74.6	38.0	15.7	7.1	2.0	0.3		
-40		1.4	5.4	12.4	23.1	41.0	67.1	85.9	85.9	67.1	41.0	23.1	12.4	5.4	1.4			
-50	0.2	0.7	3.3	8.3	15.7	24.2	32.5	37.6	37.6	32.5	24.2	15.7	8.3	3.3	0.7	0.2		
-60		0.3	1.1	3.6	7.3	11.6	15.9	18.3	18.3	15.9	11.6	7.3	3.6	1.1	0.3			
-70	0.1	0.7	3.3	8.3	15.7	24.2	32.5	37.6	37.6	32.5	24.2	15.7	8.3	3.3	0.7	0.2		
-80		0.3	1.1	3.6	7.3	11.6	15.9	18.3	18.3	15.9	11.6	7.3	3.6	1.1	0.3			
-90	0.1		0.6		2.3		6.0		8.1		6.0		2.3		0.6		0.1	

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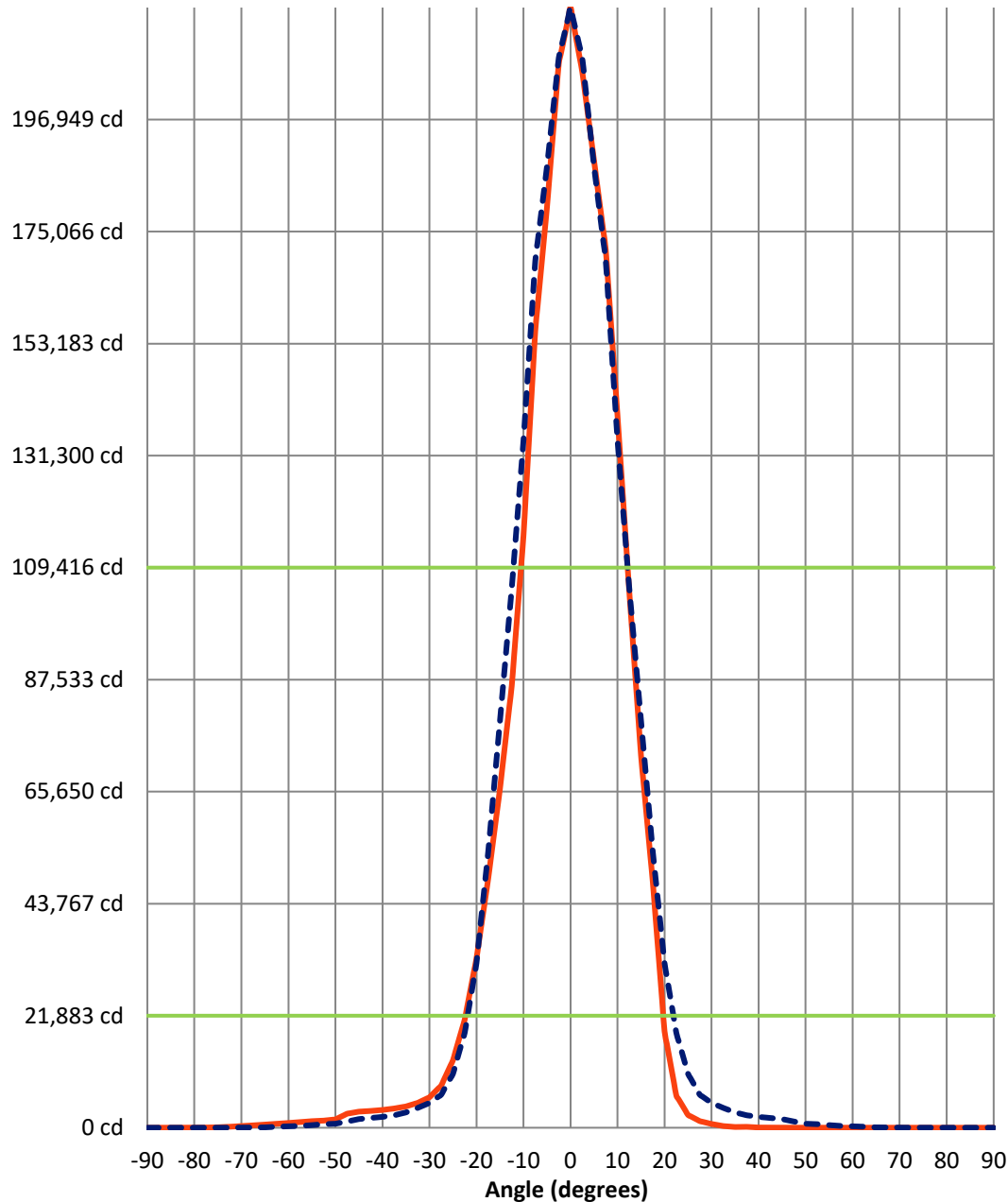
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24.3°
 V Angle: 22.7°
 Lumens: 21386.9
 Efficiency: 47.2%

Field:
 H Angle: 43.8°
 V Angle: 42.1°
 Lumens: 38636.4
 Efficiency: 85.2%

Spill:
 Lumens: 6718.4
 Efficiency: 14.8%

— 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°	2.2	2.7	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	2.2	2.2	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.3	2.4	2.4	2.4	2.3	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.3	2.5	2.5	2.5	2.4	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.4	2.6	2.6	2.6	2.5	2.3	2.4	2.4	2.4	2.2
77.5°	2.2	2.4	2.7	2.7	2.7	2.6	2.5	2.6	2.6	2.5	2.3
75°	2.2	2.5	2.8	2.9	2.8	2.7	2.8	2.9	2.8	2.6	2.3
72.5°	2.2	2.5	2.9	3.0	2.9	2.9	3.1	3.1	2.8	2.6	2.3
70°	2.2	2.6	3.0	3.1	3.0	3.1	3.3	3.1	2.9	2.6	2.7
67.5°	2.2	2.6	3.0	3.1	3.1	3.2	3.3	3.2	2.9	2.9	3.0
65°	2.2	2.7	3.1	3.2	3.2	3.3	3.3	3.2	3.1	3.1	3.3
62.5°	2.2	2.7	3.2	3.2	3.2	3.3	3.3	3.2	3.2	3.3	3.4
60°	2.2	2.7	3.3	3.2	3.3	3.3	3.3	3.3	3.3	3.5	3.6
57.5°	2.2	2.8	3.3	3.2	3.3	3.3	3.3	3.3	3.5	3.8	3.8
55°	2.2	2.8	3.3	3.3	3.3	3.3	3.4	3.4	3.8	4.0	4.1
52.5°	2.2	2.9	3.3	3.3	3.3	3.3	3.5	3.6	4.1	4.4	4.4
50°	2.2	2.9	3.3	3.3	3.3	3.4	3.6	4.0	4.4	4.7	5.9
47.5°	2.2	2.9	3.3	3.3	3.3	3.5	3.8	4.3	4.8	5.1	7.4
45°	2.2	3.0	3.3	3.3	3.3	3.6	4.0	4.6	5.2	6.3	8.7
42.5°	2.2	3.0	3.3	3.3	3.3	3.8	4.3	4.9	5.5	7.4	11.2
40°	2.2	3.0	3.3	3.3	3.4	3.9	4.5	5.2	6.0	8.3	13.8
37.5°	2.2	3.1	3.3	3.3	3.5	4.1	4.8	5.5	6.8	9.5	16.3
35°	2.2	3.1	3.3	3.3	3.6	4.3	5.0	5.8	7.5	11.8	18.4
32.5°	2.2	3.1	3.3	3.3	3.7	4.4	5.3	6.1	8.1	14.1	20.2
30°	2.2	3.2	3.3	3.3	3.8	4.6	5.5	6.4	8.6	16.3	22.0
27.5°	2.2	3.2	3.3	3.3	3.9	4.8	5.7	6.8	9.6	18.5	24.0
25°	2.2	3.2	3.3	3.3	4.0	5.0	5.9	7.2	11.3	20.3	26.0
22.5°	2.2	3.2	3.3	3.3	4.1	5.1	6.1	7.6	13.0	21.9	29.7
20°	2.2	3.2	3.3	3.3	4.1	5.2	6.3	7.9	14.6	23.5	33.6
17.5°	2.2	3.2	3.3	3.3	4.2	5.3	6.4	8.2	16.2	25.0	37.7
15°	2.2	3.3	3.3	3.3	4.2	5.4	6.6	8.5	17.5	26.5	41.9
12.5°	2.2	3.3	3.3	3.3	4.3	5.5	6.9	9.0	19.2	27.9	46.1
10°	2.2	3.3	3.3	3.3	4.3	5.5	7.1	9.4	21.0	30.2	50.9
7.5°	2.2	3.3	3.3	3.3	4.4	5.5	7.3	9.9	22.7	32.6	56.7
5°	2.2	3.3	3.3	3.3	4.4	5.6	7.5	10.3	24.2	34.8	62.3
2.5°	2.2	3.3	3.3	3.3	4.4	5.6	7.6	10.7	25.6	37.0	67.6
0°	2.2	3.3	3.3	3.3	4.4	5.6	7.8	11.1	26.7	38.9	72.3
-2.5°	2.2	3.3	3.3	3.5	4.6	6.1	9.1	14.6	32.8	48.9	85.2
-5°	2.2	3.3	3.4	3.6	4.8	6.5	10.4	17.9	38.6	58.5	97.2
-7.5°	2.2	3.3	3.4	3.7	5.0	7.0	11.6	21.0	43.9	67.5	108.3
-10°	2.2	3.3	3.5	3.9	5.1	7.4	12.6	23.9	48.6	75.7	118.2
-12.5°	2.2	3.3	3.5	4.0	5.3	7.7	13.6	26.3	52.5	83.0	128.3
-15°	2.2	3.3	3.6	4.1	5.5	8.0	14.3	28.3	56.1	89.7	137.1
-17.5°	2.2	3.3	3.6	4.3	5.6	8.3	14.9	30.1	59.2	95.2	143.9
-20°	2.2	3.2	3.6	4.4	5.7	8.5	15.5	31.7	61.2	99.6	148.5



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 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	2.2	3.2	3.7	4.5	5.8	8.6	16.0	32.6	62.2	102.7	150.5
-25°	2.2	3.2	3.7	4.5	5.9	8.7	16.1	32.7	62.0	104.4	149.9
-27.5°	2.2	3.2	3.7	4.6	6.0	8.8	15.9	32.1	60.6	104.5	151.3
-30°	2.2	3.2	3.7	4.7	6.1	8.7	15.2	30.6	59.2	102.7	151.1
-32.5°	2.2	3.2	3.7	4.7	6.2	8.6	14.1	29.6	57.5	99.1	148.9
-35°	2.2	3.2	3.7	4.7	6.2	8.3	13.6	28.3	54.5	93.8	144.8
-37.5°	2.2	3.1	3.7	4.7	6.2	8.1	13.3	26.3	50.4	86.7	135.5
-40°	2.2	3.1	3.7	4.7	6.2	8.1	12.8	23.7	45.0	80.1	124.1
-42.5°	2.2	3.1	3.7	4.7	6.1	8.0	12.1	20.4	40.4	71.7	110.9
-45°	2.2	3.1	3.6	4.6	6.0	7.9	11.3	17.7	35.8	61.8	96.6
-47.5°	2.2	3.1	3.6	4.6	6.0	7.8	10.3	16.5	30.3	50.9	84.1
-50°	2.2	3.1	3.5	4.5	5.8	7.6	9.9	15.1	23.7	43.3	70.2
-52.5°	2.2	3.0	3.5	4.4	5.7	7.3	9.6	13.5	20.2	35.1	55.5
-55°	2.2	3.0	3.4	4.3	5.6	7.1	9.2	11.8	18.0	26.2	45.2
-57.5°	2.2	3.0	3.4	4.2	5.4	6.9	8.7	11.2	15.6	21.9	34.3
-60°	2.2	3.0	3.3	4.1	5.2	6.6	8.2	10.5	13.4	19.0	25.3
-62.5°	2.2	3.0	3.3	4.0	5.0	6.3	7.8	9.8	12.5	15.8	21.7
-65°	2.2	3.0	3.3	3.8	4.8	6.0	7.4	9.1	11.5	14.2	17.9
-67.5°	2.2	2.9	3.3	3.7	4.6	5.7	7.0	8.6	10.5	13.0	15.7
-70°	2.2	2.9	3.3	3.6	4.4	5.4	6.6	8.1	9.8	11.7	14.1
-72.5°	2.2	2.9	3.3	3.5	4.1	5.0	6.1	7.5	9.0	10.7	12.6
-75°	2.2	2.9	3.3	3.5	3.9	4.6	5.5	6.8	8.2	9.8	11.4
-77.5°	2.2	2.9	3.3	3.5	3.8	4.2	5.0	6.1	7.4	8.7	10.1
-80°	2.2	2.8	3.3	3.4	3.7	4.0	4.4	5.4	6.5	7.6	8.9
-82.5°	2.2	2.8	3.3	3.4	3.6	3.8	4.1	4.8	5.6	6.5	7.5
-85°	2.2	2.8	3.3	3.4	3.5	3.7	3.9	4.3	4.8	5.4	6.2
-87.5°	2.2	2.8	3.3	3.3	3.4	3.5	3.6	3.8	4.1	4.4	4.7
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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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°	3.6	3.9	4.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	1.9	1.7	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.9	1.7	1.4	1.3	1.3	1.3	1.2	1.1	1.1	1.1	1.1
82.5°	2.0	1.9	1.9	1.9	1.8	1.6	1.4	1.3	1.3	1.3	1.2
80°	2.2	2.2	2.2	2.2	2.1	2.0	2.0	2.0	1.9	1.8	1.6
77.5°	2.2	2.2	2.2	2.2	2.2	2.3	2.5	2.7	2.7	2.6	2.5
75°	2.2	2.2	2.3	2.2	2.3	2.6	2.9	3.2	3.2	3.1	3.1
72.5°	2.4	2.5	2.5	2.3	2.5	2.9	3.2	3.3	4.0	4.9	5.5
70°	2.8	2.9	2.8	2.9	3.1	3.6	4.7	6.3	7.9	9.0	10.5
67.5°	3.2	3.1	3.1	3.4	4.2	5.5	7.3	11.2	15.6	17.3	18.1
65°	3.3	3.3	3.6	4.3	5.5	8.7	13.0	18.1	23.4	24.7	24.5
62.5°	3.3	3.5	4.1	5.8	8.9	13.0	18.6	24.3	29.9	29.0	25.6
60°	3.4	3.6	5.6	8.9	12.6	18.1	24.2	27.3	29.1	28.9	24.9
57.5°	3.6	4.9	8.3	12.4	17.7	22.5	24.4	26.3	27.3	28.2	23.4
55°	4.5	7.1	11.4	16.9	21.2	22.2	23.3	24.0	24.9	23.1	17.9
52.5°	6.5	9.7	15.3	20.2	22.0	21.8	20.7	20.8	19.3	16.8	14.2
50°	8.4	13.3	18.6	21.7	22.5	20.9	18.0	17.1	15.4	13.4	11.6
47.5°	11.3	16.9	20.7	23.2	22.6	20.3	16.9	14.8	13.1	12.5	10.8
45°	14.4	19.4	22.9	24.0	22.9	19.9	17.1	13.3	14.1	14.0	13.8
42.5°	17.5	21.4	24.4	25.4	22.9	20.9	18.4	17.5	17.4	19.6	21.1
40°	19.4	23.3	26.3	26.5	23.8	23.3	24.9	26.0	25.0	28.8	32.0
37.5°	21.1	25.4	29.0	30.4	26.9	29.6	33.8	45.5	46.6	40.0	51.1
35°	22.7	27.8	34.5	39.6	39.4	39.7	57.7	75.5	83.8	73.3	83.1
32.5°	24.7	30.6	42.0	55.5	66.7	68.5	87.9	124.1	141.1	141.8	140.5
30°	27.6	37.7	53.7	76.0	104.3	131.7	146.5	186.3	213.6	260.4	295.7
27.5°	31.7	46.9	73.5	110.6	155.3	209.7	242.8	265.8	333.1	420.5	514.7
25°	36.4	65.5	96.4	155.1	230.9	300.0	342.2	369.9	487.5	660.8	782.1
22.5°	46.5	89.5	129.8	205.6	316.3	394.0	438.6	527.8	710.1	942.8	1086.4
20°	64.0	118.7	169.1	251.7	403.7	490.3	532.5	709.4	990.8	1229.4	1427.2
17.5°	84.1	148.3	208.0	305.7	452.9	564.3	636.1	903.8	1289.9	1504.2	1730.8
15°	106.3	177.7	242.7	353.7	500.2	608.2	763.3	1138.2	1563.4	1768.1	2001.9
12.5°	129.7	206.8	273.4	395.8	546.8	648.7	877.3	1305.4	1704.6	1981.8	2285.0
10°	153.7	235.3	300.5	432.1	591.8	686.0	984.2	1444.7	1779.3	2040.0	2393.8
7.5°	168.5	254.9	322.7	462.8	634.1	720.0	1081.9	1557.2	1832.2	2074.4	2408.7
5°	179.3	264.3	333.6	483.7	663.6	747.1	1161.6	1643.9	1866.7	2088.2	2382.3
2.5°	187.3	271.7	342.8	499.3	681.8	765.7	1199.1	1677.3	1889.5	2105.0	2386.2
0°	192.4	276.9	350.2	510.3	693.8	781.6	1218.6	1688.9	1903.5	2119.2	2426.1
-2.5°	199.2	284.5	361.9	521.5	696.9	785.2	1221.5	1684.3	1911.6	2153.3	2469.3
-5°	203.7	290.0	371.3	527.8	694.7	785.7	1206.1	1660.3	1900.0	2144.9	2452.7
-7.5°	206.4	293.3	378.0	528.4	682.8	773.8	1153.8	1584.7	1834.7	2064.6	2367.0
-10°	208.6	298.0	384.3	519.4	659.8	753.1	1080.0	1494.9	1762.4	1974.1	2258.1
-12.5°	215.6	304.5	389.0	508.5	636.2	729.7	989.7	1393.7	1684.3	1874.7	2140.6
-15°	220.5	309.7	391.8	496.7	613.4	703.9	883.5	1283.3	1624.8	1838.6	2066.6
-17.5°	223.3	313.9	392.7	484.7	592.5	675.8	766.9	1181.0	1577.4	1819.1	2029.5
-20°	224.2	317.3	392.1	473.3	574.2	659.1	741.0	1056.7	1461.5	1787.9	1996.9



REPORT NUMBER: P701347 (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°	223.1	320.0	391.1	468.1	562.4	651.6	731.1	919.4	1308.5	1743.0	1955.0
-25°	222.4	316.2	390.9	460.8	549.0	642.4	720.9	791.0	1136.5	1570.4	1898.7
-27.5°	221.0	310.3	383.0	449.2	532.3	629.7	708.8	778.0	977.9	1374.2	1810.3
-30°	216.0	294.5	372.2	434.7	515.4	608.1	695.1	768.4	843.2	1174.0	1580.8
-32.5°	204.9	277.2	354.4	420.6	494.4	583.1	675.7	751.6	827.5	948.9	1334.8
-35°	193.0	260.9	333.6	403.1	469.0	554.4	642.8	729.1	804.6	884.0	1072.3
-37.5°	183.9	243.1	312.0	381.2	446.7	521.6	606.4	693.6	775.0	857.0	949.7
-40°	172.8	223.7	290.4	356.7	422.1	489.7	567.9	650.4	735.7	830.0	917.0
-42.5°	159.7	209.3	267.6	331.5	394.9	459.8	527.3	605.4	694.6	794.4	886.3
-45°	143.1	192.8	244.3	304.2	365.4	427.3	491.4	559.0	648.5	743.8	841.6
-47.5°	124.7	173.6	223.4	274.6	333.4	393.0	452.9	521.3	596.8	685.5	780.6
-50°	105.5	150.8	199.4	246.8	298.6	355.9	413.7	479.6	550.7	624.6	707.8
-52.5°	88.0	125.9	171.3	218.2	264.8	315.6	372.1	433.5	499.4	569.6	638.1
-55°	69.0	102.9	140.6	185.3	231.2	276.6	325.1	381.4	442.0	506.2	570.3
-57.5°	53.6	79.0	111.5	148.8	192.3	237.4	280.5	325.4	378.5	436.1	492.1
-60°	40.2	58.4	82.9	114.5	149.6	191.2	234.1	275.7	317.8	360.3	409.9
-62.5°	27.9	42.0	59.0	80.9	110.9	143.4	181.1	220.7	260.9	297.4	333.6
-65°	23.4	28.1	39.9	55.8	72.7	100.2	130.4	162.0	197.3	228.9	261.4
-67.5°	18.7	23.1	27.3	33.6	48.2	64.1	81.2	107.9	135.4	158.2	181.4
-70°	16.4	18.3	21.7	25.5	29.1	35.6	49.5	64.4	79.2	94.0	113.1
-72.5°	14.4	16.0	17.7	19.6	22.6	25.7	28.8	32.0	40.3	51.6	62.0
-75°	12.6	13.7	15.1	16.6	18.1	19.5	21.1	23.6	26.3	28.9	31.4
-77.5°	11.0	11.9	12.8	13.8	14.9	16.1	17.2	18.4	19.4	20.5	21.6
-80°	9.5	10.0	10.6	11.3	12.0	12.8	13.7	14.6	15.3	15.9	16.7
-82.5°	8.0	8.3	8.7	9.1	9.4	9.8	10.1	10.7	11.2	11.7	12.1
-85°	6.5	6.7	6.9	7.2	7.4	7.6	7.9	8.1	8.3	8.5	8.6
-87.5°	5.0	5.3	5.5	5.7	5.8	5.9	6.0	6.0	6.1	6.2	6.2
-90°	1.9	1.7	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



REPORT NUMBER: P701347 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.4	4.7	5.0	5.3	5.6	5.6	5.6	5.6	5.6	5.6	5.6
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.8	0.6
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.4	1.4	1.4	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	2.4	2.2	2.1	1.9	1.7	1.6	1.5	1.3	1.1	1.1	1.1
75°	3.2	3.3	3.3	3.1	2.8	2.6	2.4	2.2	2.0	2.0	2.1
72.5°	5.9	5.9	5.7	5.6	5.2	5.1	5.1	5.1	4.9	5.0	5.2
70°	11.4	11.7	11.5	10.7	9.5	8.6	8.2	7.5	6.7	6.6	7.0
67.5°	17.9	17.1	16.1	14.7	12.7	11.1	10.2	9.4	8.6	8.4	8.6
65°	22.8	19.3	17.0	15.0	13.4	11.8	10.8	9.7	8.7	8.1	8.0
62.5°	22.0	18.1	15.5	13.7	12.2	10.9	9.6	8.3	7.1	6.3	6.3
60°	20.7	16.4	12.9	11.2	9.9	9.0	7.8	6.8	6.1	5.6	5.7
57.5°	17.6	12.9	9.8	9.1	8.2	7.2	6.4	6.0	5.7	5.6	5.6
55°	13.6	10.9	9.1	8.1	7.1	6.2	5.6	5.8	5.8	5.6	5.8
52.5°	11.2	9.6	8.4	7.4	7.0	6.7	6.6	6.6	6.7	6.9	7.1
50°	10.0	8.9	8.4	7.7	7.7	7.7	7.7	8.0	8.4	8.5	8.4
47.5°	10.1	9.7	10.2	8.8	9.1	9.9	10.0	10.0	10.8	11.0	10.9
45°	12.7	15.3	15.4	14.2	13.5	16.4	16.6	15.1	23.1	22.6	17.1
42.5°	22.7	24.2	24.3	25.7	28.5	37.4	54.0	68.9	71.2	62.6	42.9
40°	36.7	35.4	38.2	45.9	68.0	88.1	103.4	149.0	148.6	116.3	117.2
37.5°	59.7	58.3	62.6	85.8	92.9	80.3	113.1	116.3	99.6	118.7	120.4
35°	102.7	116.4	101.5	126.0	127.2	113.7	122.1	136.3	116.3	139.1	149.0
32.5°	187.2	211.5	213.8	211.9	224.5	236.9	229.6	264.1	270.2	293.1	318.2
30°	304.2	350.9	386.5	379.7	400.6	437.4	449.4	502.0	554.4	586.9	666.5
27.5°	530.1	553.7	626.8	678.3	666.4	726.4	845.6	882.4	1032.8	1104.7	1208.4
25°	839.5	881.3	985.5	1107.7	1160.0	1260.6	1454.2	1546.8	1744.3	1845.1	2225.1
22.5°	1222.8	1364.4	1495.1	1659.3	1894.8	2094.9	2310.0	2671.8	3259.5	4103.8	5111.8
20°	1660.4	1897.8	2095.4	2398.6	2789.1	3165.4	3722.0	5327.1	7031.8	10587.5	13003.3
17.5°	2074.4	2451.2	2727.4	3130.1	3706.8	4648.6	6566.2	10153.9	15792.4	22680.3	29255.4
15°	2397.4	2782.6	3294.5	3902.3	4783.2	6626.3	10129.1	17220.4	27970.6	38466.3	49509.6
12.5°	2670.4	3077.8	3638.8	4462.2	5779.8	9092.6	15390.6	26072.8	40244.3	55869.0	72378.1
10°	2846.2	3340.8	4012.8	5100.2	7289.6	11996.2	20183.8	34498.2	53547.1	73946.8	92296.3
7.5°	2877.1	3480.7	4331.8	5654.5	8787.7	15025.2	25885.0	42724.2	63586.5	86562.5	109672.2
5°	2889.4	3610.9	4601.5	6090.0	9816.9	17216.2	29169.2	47994.2	71159.0	94755.7	119627.2
2.5°	2922.4	3738.8	4799.4	6394.7	10410.6	18522.7	31067.1	51769.2	76208.0	101831.1	129561.3
0°	2990.9	3872.6	4842.2	6446.6	10535.0	18550.4	32161.9	53932.3	79500.9	105388.5	134312.7
-2.5°	3028.1	3855.5	4806.1	6340.8	10374.6	18553.3	31109.8	52427.4	77783.8	103041.8	132189.1
-5°	2964.3	3683.3	4583.7	6021.1	9672.7	17069.6	29019.7	48541.5	71945.3	94655.0	118093.4
-7.5°	2827.2	3441.1	4267.7	5567.3	8584.4	14769.8	25241.8	41271.8	61145.4	80888.3	99148.7
-10°	2667.6	3184.3	3862.3	4908.4	7046.4	11678.4	19750.4	32363.2	49433.5	66382.0	81792.1
-12.5°	2495.2	2897.7	3399.6	4123.3	5454.2	8817.9	14968.2	24635.3	36438.9	49224.4	63221.7
-15°	2348.0	2644.7	3025.2	3641.4	4656.7	6569.2	10047.5	16480.5	24944.6	34967.8	45285.9
-17.5°	2249.0	2469.6	2800.9	3271.0	3895.1	5031.1	7548.5	11362.6	16808.6	24310.3	31124.8
-20°	2177.9	2385.4	2648.3	3018.5	3541.2	4342.1	5573.9	8202.7	11786.4	16648.7	21274.2



REPORT NUMBER: P701347 (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°	2127.3	2314.0	2536.2	2834.0	3300.8	3926.7	4713.0	5988.8	8245.7	11113.0	14328.7
-25°	2077.4	2232.2	2477.3	2797.6	3118.4	3566.3	4109.7	4736.1	5938.4	7213.2	9187.1
-27.5°	2020.3	2211.9	2485.8	2784.9	3074.0	3296.3	3682.1	4114.1	4750.7	5367.1	6381.1
-30°	1978.9	2223.8	2496.2	2783.8	3006.5	3203.0	3418.7	3748.9	4160.8	4596.4	5062.6
-32.5°	1772.0	2187.4	2466.9	2724.7	2909.0	3091.6	3282.7	3511.7	3775.1	4051.0	4334.2
-35°	1494.8	1937.2	2371.0	2573.1	2759.8	2943.9	3143.2	3328.8	3514.6	3701.2	3879.0
-37.5°	1155.1	1588.6	1998.5	2351.5	2565.9	2753.4	2965.9	3156.4	3319.3	3459.5	3596.3
-40°	1009.1	1160.5	1557.0	1928.6	2240.5	2537.6	2737.9	2948.9	3130.6	3259.9	3376.2
-42.5°	968.9	1054.2	1142.1	1427.1	1771.5	2076.9	2348.5	2612.4	2862.3	3042.1	3180.4
-45°	934.1	1006.2	1081.5	1165.6	1249.5	1517.2	1799.7	2083.9	2378.0	2641.2	2854.3
-47.5°	869.6	956.9	1031.1	1100.6	1167.4	1243.5	1322.2	1435.5	1693.5	1956.9	2196.9
-50°	789.9	871.7	954.3	1036.6	1098.5	1156.9	1216.8	1284.3	1359.5	1436.2	1500.9
-52.5°	703.0	778.3	854.6	927.1	996.4	1063.7	1129.4	1189.0	1245.0	1299.0	1330.8
-55°	632.5	692.8	752.9	815.1	878.2	939.7	1000.8	1062.4	1121.7	1178.3	1210.0
-57.5°	550.2	610.3	667.9	715.3	764.2	814.3	866.5	919.6	971.6	1020.0	1047.2
-60°	460.9	513.0	562.9	608.9	654.2	698.6	741.4	783.5	824.0	859.1	880.5
-62.5°	371.0	413.4	454.8	493.9	532.0	569.4	609.4	647.5	683.2	712.2	729.9
-65°	294.4	326.7	355.5	383.6	411.4	443.4	477.5	509.8	540.1	563.7	579.3
-67.5°	208.5	236.4	262.7	287.8	310.9	333.7	357.9	381.6	404.4	422.1	434.6
-70°	131.4	149.0	166.3	184.8	205.0	225.1	245.1	263.5	280.4	293.0	302.5
-72.5°	71.6	80.0	88.9	102.0	114.6	128.1	141.8	154.8	166.9	175.5	181.8
-75°	34.0	37.8	44.6	50.7	56.1	62.0	68.0	73.4	78.4	81.0	82.5
-77.5°	23.3	25.1	26.8	28.4	29.7	31.5	33.4	35.3	37.2	38.4	39.3
-80°	17.4	18.1	18.9	19.6	20.4	21.2	22.0	22.7	23.4	24.0	24.6
-82.5°	12.5	13.0	13.3	13.7	14.0	14.6	15.1	15.6	16.1	16.5	17.0
-85°	8.8	9.0	9.3	9.4	9.6	9.9	10.2	10.5	10.9	10.9	11.0
-87.5°	6.3	6.6	6.9	7.3	7.6	7.6	7.7	7.7	7.7	7.7	7.8
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.8	0.6



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 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	5.6	5.6	6.2	6.7	6.2	5.6	5.6	5.6	5.6	5.6	5.6
87.5°	0.3	0.0	0.5	1.1	0.5	0.0	0.3	0.6	0.8	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.6	2.2	1.6	1.1	1.1	1.1	1.1	1.1	1.3
75°	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.0	2.0	2.2
72.5°	5.4	5.5	5.6	5.6	5.6	5.5	5.4	5.2	5.0	4.9	5.1
70°	7.3	7.7	7.8	7.8	7.8	7.7	7.3	7.0	6.6	6.7	7.5
67.5°	8.8	8.9	8.9	8.9	8.9	8.9	8.8	8.6	8.4	8.6	9.4
65°	7.9	7.8	7.3	6.7	7.3	7.8	7.9	8.0	8.1	8.7	9.7
62.5°	6.5	6.7	6.7	6.7	6.7	6.7	6.5	6.3	6.3	7.1	8.3
60°	5.7	5.7	5.6	5.6	5.6	5.7	5.7	5.7	5.6	6.1	6.8
57.5°	5.6	5.6	6.0	6.7	6.0	5.6	5.6	5.6	5.6	5.7	6.0
55°	6.2	6.5	6.7	6.7	6.7	6.5	6.2	5.8	5.6	5.8	5.8
52.5°	7.0	6.8	6.7	6.7	6.7	6.8	7.0	7.1	6.9	6.7	6.6
50°	8.1	7.9	7.8	7.8	7.8	7.9	8.1	8.4	8.5	8.4	8.0
47.5°	10.6	10.2	10.0	10.0	10.0	10.2	10.6	10.9	11.0	10.8	10.0
45°	17.5	17.6	17.6	17.8	17.6	17.6	17.5	17.1	22.6	23.1	15.1
42.5°	41.2	35.6	30.8	31.1	30.8	35.6	41.2	42.9	62.6	71.2	68.9
40°	105.6	79.0	52.6	44.5	52.6	79.0	105.6	117.2	116.3	148.6	149.0
37.5°	108.8	110.9	130.5	175.7	130.5	110.9	108.8	120.4	118.7	99.6	116.3
35°	152.0	154.4	148.9	145.7	148.9	154.4	152.0	149.0	139.1	116.3	136.3
32.5°	323.2	337.6	335.8	326.9	335.8	337.6	323.2	318.2	293.1	270.2	264.1
30°	696.2	732.6	728.7	736.1	728.7	732.6	696.2	666.5	586.9	554.4	502.0
27.5°	1249.5	1294.5	1302.7	1293.1	1302.7	1294.5	1249.5	1208.4	1104.7	1032.8	882.4
25°	2480.3	2551.5	2525.5	2491.7	2525.5	2551.5	2480.3	2225.1	1845.1	1744.3	1546.8
22.5°	6290.2	6571.9	6542.9	6305.4	6542.9	6571.9	6290.2	5111.8	4103.8	3259.5	2671.8
20°	17281.9	19141.5	19950.8	18854.0	19950.8	19141.5	17281.9	13003.3	10587.5	7031.8	5327.1
17.5°	36579.4	42245.3	46273.9	47954.9	46273.9	42245.3	36579.4	29255.4	22680.3	15792.4	10153.9
15°	59834.5	68363.5	73323.7	72657.3	73323.7	68363.5	59834.5	49509.6	38466.3	27970.6	17220.4
12.5°	86039.2	96148.0	104525.5	104703.1	104525.5	96148.0	86039.2	72378.1	55869.0	40244.3	26072.8
10°	111385.8	125415.9	136850.2	139066.0	136850.2	125415.9	111385.8	92296.3	73946.8	53547.1	34498.2
7.5°	130401.4	151909.3	166262.7	171522.0	166262.7	151909.3	130401.4	109672.2	86562.5	63586.5	42724.2
5°	149193.3	171730.2	186355.5	188950.0	186355.5	171730.2	149193.3	119627.2	94755.7	71159.0	47994.2
2.5°	161868.2	184601.9	197400.2	206277.4	197400.2	184601.9	161868.2	129561.3	101831.1	76208.0	51769.2
0°	169292.7	187815.9	208993.1	218832.6	208993.1	187815.9	169292.7	134312.7	105388.5	79500.9	53932.3
-2.5°	163679.2	184517.3	196641.7	207822.9	196641.7	184517.3	163679.2	132189.1	103041.8	77783.8	52427.4
-5°	145087.9	167750.4	178461.7	179859.4	178461.7	167750.4	145087.9	118093.4	94655.0	71945.3	48541.5
-7.5°	118553.9	139654.4	149938.5	155615.6	149938.5	139654.4	118553.9	99148.7	80888.3	61145.4	41271.8
-10°	95970.5	108284.5	115207.5	115663.3	115207.5	108284.5	95970.5	81792.1	66382.0	49433.5	32363.2
-12.5°	74094.3	82354.0	86448.6	86298.9	86448.6	82354.0	74094.3	63221.7	49224.4	36438.9	24635.3
-15°	54371.7	60788.7	64482.0	66253.0	64482.0	60788.7	54371.7	45285.9	34967.8	24944.6	16480.5
-17.5°	38377.3	43475.0	47175.8	48671.0	47175.8	43475.0	38377.3	31124.8	24310.3	16808.6	11362.6
-20°	26163.1	29656.8	32057.8	33077.0	32057.8	29656.8	26163.1	21274.2	16648.7	11786.4	8202.7



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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°	17233.3	19575.5	21221.7	21133.3	21221.7	19575.5	17233.3	14328.7	11113.0	8245.7	5988.8
-25°	10985.9	12273.8	13119.4	13187.9	13119.4	12273.8	10985.9	9187.1	7213.2	5938.4	4736.1
-27.5°	7271.2	7837.4	8178.6	8237.8	8178.6	7837.4	7271.2	6381.1	5367.1	4750.7	4114.1
-30°	5503.3	5763.9	5958.9	5950.7	5958.9	5763.9	5503.3	5062.6	4596.4	4160.8	3748.9
-32.5°	4575.1	4703.3	4788.7	4857.8	4788.7	4703.3	4575.1	4334.2	4051.0	3775.1	3511.7
-35°	4001.0	4066.3	4113.9	4157.3	4113.9	4066.3	4001.0	3879.0	3701.2	3514.6	3328.8
-37.5°	3675.1	3720.2	3750.2	3760.3	3750.2	3720.2	3675.1	3596.3	3459.5	3319.3	3156.4
-40°	3420.6	3446.1	3461.2	3470.1	3461.2	3446.1	3420.6	3376.2	3259.9	3130.6	2948.9
-42.5°	3229.6	3264.5	3282.6	3282.2	3282.6	3264.5	3229.6	3180.4	3042.1	2862.3	2612.4
-45°	2976.5	3064.8	3118.3	3141.0	3118.3	3064.8	2976.5	2854.3	2641.2	2378.0	2083.9
-47.5°	2393.6	2561.3	2679.0	2740.8	2679.0	2561.3	2393.6	2196.9	1956.9	1693.5	1435.5
-50°	1559.1	1615.1	1638.7	1628.9	1638.7	1615.1	1559.1	1500.9	1436.2	1359.5	1284.3
-52.5°	1354.4	1374.5	1386.7	1392.1	1386.7	1374.5	1354.4	1330.8	1299.0	1245.0	1189.0
-55°	1236.7	1259.1	1273.5	1280.9	1273.5	1259.1	1236.7	1210.0	1178.3	1121.7	1062.4
-57.5°	1069.9	1088.0	1099.0	1104.1	1099.0	1088.0	1069.9	1047.2	1020.0	971.6	919.6
-60°	898.7	913.5	923.2	928.4	923.2	913.5	898.7	880.5	859.1	824.0	783.5
-62.5°	744.3	755.2	764.8	771.6	764.8	755.2	744.3	729.9	712.2	683.2	647.5
-65°	592.0	601.7	608.7	612.6	608.7	601.7	592.0	579.3	563.7	540.1	509.8
-67.5°	444.9	452.9	459.4	463.6	459.4	452.9	444.9	434.6	422.1	404.4	381.6
-70°	310.3	316.1	321.8	325.8	321.8	316.1	310.3	302.5	293.0	280.4	263.5
-72.5°	186.8	190.5	192.2	192.4	192.2	190.5	186.8	181.8	175.5	166.9	154.8
-75°	83.4	83.6	85.3	86.7	85.3	83.6	83.4	82.5	81.0	78.4	73.4
-77.5°	40.1	40.8	41.6	42.3	41.6	40.8	40.1	39.3	38.4	37.2	35.3
-80°	25.0	25.5	25.6	25.6	25.6	25.5	25.0	24.6	24.0	23.4	22.7
-82.5°	17.4	17.7	17.8	17.8	17.8	17.7	17.4	17.0	16.5	16.1	15.6
-85°	11.0	11.1	11.1	11.1	11.1	11.1	11.0	11.0	10.9	10.9	10.5
-87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.7	7.7	7.7
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5.6	5.6	5.6	5.3	5.0	4.7	4.4	4.4	4.4	4.4	4.4
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.3	1.3
80°	1.1	1.1	1.1	1.3	1.4	1.4	1.4	1.6	1.8	1.9	2.0
77.5°	1.5	1.6	1.7	1.9	2.1	2.2	2.4	2.5	2.6	2.7	2.7
75°	2.4	2.6	2.8	3.1	3.3	3.3	3.2	3.1	3.1	3.2	3.2
72.5°	5.1	5.1	5.2	5.6	5.7	5.9	5.9	5.5	4.9	4.0	3.3
70°	8.2	8.6	9.5	10.7	11.5	11.7	11.4	10.5	9.0	7.9	6.3
67.5°	10.2	11.1	12.7	14.7	16.1	17.1	17.9	18.1	17.3	15.6	11.2
65°	10.8	11.8	13.4	15.0	17.0	19.3	22.8	24.5	24.7	23.4	18.1
62.5°	9.6	10.9	12.2	13.7	15.5	18.1	22.0	25.6	29.0	29.9	24.3
60°	7.8	9.0	9.9	11.2	12.9	16.4	20.7	24.9	28.9	29.1	27.3
57.5°	6.4	7.2	8.2	9.1	9.8	12.9	17.6	23.4	28.2	27.3	26.3
55°	5.6	6.2	7.1	8.1	9.1	10.9	13.6	17.9	23.1	24.9	24.0
52.5°	6.6	6.7	7.0	7.4	8.4	9.6	11.2	14.2	16.8	19.3	20.8
50°	7.7	7.7	7.7	7.7	8.4	8.9	10.0	11.6	13.4	15.4	17.1
47.5°	10.0	9.9	9.1	8.8	10.2	9.7	10.1	10.8	12.5	13.1	14.8
45°	16.6	16.4	13.5	14.2	15.4	15.3	12.7	13.8	14.0	14.1	13.3
42.5°	54.0	37.4	28.5	25.7	24.3	24.2	22.7	21.1	19.6	17.4	17.5
40°	103.4	88.1	68.0	45.9	38.2	35.4	36.7	32.0	28.8	25.0	26.0
37.5°	113.1	80.3	92.9	85.8	62.6	58.3	59.7	51.1	40.0	46.6	45.5
35°	122.1	113.7	127.2	126.0	101.5	116.4	102.7	83.1	73.3	83.8	75.5
32.5°	229.6	236.9	224.5	211.9	213.8	211.5	187.2	140.5	141.8	141.1	124.1
30°	449.4	437.4	400.6	379.7	386.5	350.9	304.2	295.7	260.4	213.6	186.3
27.5°	845.6	726.4	666.4	678.3	626.8	553.7	530.1	514.7	420.5	333.1	265.8
25°	1454.2	1260.6	1160.0	1107.7	985.5	881.3	839.5	782.1	660.8	487.5	369.9
22.5°	2310.0	2094.9	1894.8	1659.3	1495.1	1364.4	1222.8	1086.4	942.8	710.1	527.8
20°	3722.0	3165.4	2789.1	2398.6	2095.4	1897.8	1660.4	1427.2	1229.4	990.8	709.4
17.5°	6566.2	4648.6	3706.8	3130.1	2727.4	2451.2	2074.4	1730.8	1504.2	1289.9	903.8
15°	10129.1	6626.3	4783.2	3902.3	3294.5	2782.6	2397.4	2001.9	1768.1	1563.4	1138.2
12.5°	15390.6	9092.6	5779.8	4462.2	3638.8	3077.8	2670.4	2285.0	1981.8	1704.6	1305.4
10°	20183.8	11996.2	7289.6	5100.2	4012.8	3340.8	2846.2	2393.8	2040.0	1779.3	1444.7
7.5°	25885.0	15025.2	8787.7	5654.5	4331.8	3480.7	2877.1	2408.7	2074.4	1832.2	1557.2
5°	29169.2	17216.2	9816.9	6090.0	4601.5	3610.9	2889.4	2382.3	2088.2	1866.7	1643.9
2.5°	31067.1	18522.7	10410.6	6394.7	4799.4	3738.8	2922.4	2386.2	2105.0	1889.5	1677.3
0°	32161.9	18550.4	10535.0	6446.6	4842.2	3872.6	2990.9	2426.1	2119.2	1903.5	1688.9
-2.5°	31109.8	18553.3	10374.6	6340.8	4806.1	3855.5	3028.1	2469.3	2153.3	1911.6	1684.3
-5°	29019.7	17069.6	9672.7	6021.1	4583.7	3683.3	2964.3	2452.7	2144.9	1900.0	1660.3
-7.5°	25241.8	14769.8	8584.4	5567.3	4267.7	3441.1	2827.2	2367.0	2064.6	1834.7	1584.7
-10°	19750.4	11678.4	7046.4	4908.4	3862.3	3184.3	2667.6	2258.1	1974.1	1762.4	1494.9
-12.5°	14968.2	8817.9	5454.2	4123.3	3399.6	2897.7	2495.2	2140.6	1874.7	1684.3	1393.7
-15°	10047.5	6569.2	4656.7	3641.4	3025.2	2644.7	2348.0	2066.6	1838.6	1624.8	1283.3
-17.5°	7548.5	5031.1	3895.1	3271.0	2800.9	2469.6	2249.0	2029.5	1819.1	1577.4	1181.0
-20°	5573.9	4342.1	3541.2	3018.5	2648.3	2385.4	2177.9	1996.9	1787.9	1461.5	1056.7



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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°	4713.0	3926.7	3300.8	2834.0	2536.2	2314.0	2127.3	1955.0	1743.0	1308.5	919.4
-25°	4109.7	3566.3	3118.4	2797.6	2477.3	2232.2	2077.4	1898.7	1570.4	1136.5	791.0
-27.5°	3682.1	3296.3	3074.0	2784.9	2485.8	2211.9	2020.3	1810.3	1374.2	977.9	778.0
-30°	3418.7	3203.0	3006.5	2783.8	2496.2	2223.8	1978.9	1580.8	1174.0	843.2	768.4
-32.5°	3282.7	3091.6	2909.0	2724.7	2466.9	2187.4	1772.0	1334.8	948.9	827.5	751.6
-35°	3143.2	2943.9	2759.8	2573.1	2371.0	1937.2	1494.8	1072.3	884.0	804.6	729.1
-37.5°	2965.9	2753.4	2565.9	2351.5	1998.5	1588.6	1155.1	949.7	857.0	775.0	693.6
-40°	2737.9	2537.6	2240.5	1928.6	1557.0	1160.5	1009.1	917.0	830.0	735.7	650.4
-42.5°	2348.5	2076.9	1771.5	1427.1	1142.1	1054.2	968.9	886.3	794.4	694.6	605.4
-45°	1799.7	1517.2	1249.5	1165.6	1081.5	1006.2	934.1	841.6	743.8	648.5	559.0
-47.5°	1322.2	1243.5	1167.4	1100.6	1031.1	956.9	869.6	780.6	685.5	596.8	521.3
-50°	1216.8	1156.9	1098.5	1036.6	954.3	871.7	789.9	707.8	624.6	550.7	479.6
-52.5°	1129.4	1063.7	996.4	927.1	854.6	778.3	703.0	638.1	569.6	499.4	433.5
-55°	1000.8	939.7	878.2	815.1	752.9	692.8	632.5	570.3	506.2	442.0	381.4
-57.5°	866.5	814.3	764.2	715.3	667.9	610.3	550.2	492.1	436.1	378.5	325.4
-60°	741.4	698.6	654.2	608.9	562.9	513.0	460.9	409.9	360.3	317.8	275.7
-62.5°	609.4	569.4	532.0	493.9	454.8	413.4	371.0	333.6	297.4	260.9	220.7
-65°	477.5	443.4	411.4	383.6	355.5	326.7	294.4	261.4	228.9	197.3	162.0
-67.5°	357.9	333.7	310.9	287.8	262.7	236.4	208.5	181.4	158.2	135.4	107.9
-70°	245.1	225.1	205.0	184.8	166.3	149.0	131.4	113.1	94.0	79.2	64.4
-72.5°	141.8	128.1	114.6	102.0	88.9	80.0	71.6	62.0	51.6	40.3	32.0
-75°	68.0	62.0	56.1	50.7	44.6	37.8	34.0	31.4	28.9	26.3	23.6
-77.5°	33.4	31.5	29.7	28.4	26.8	25.1	23.3	21.6	20.5	19.4	18.4
-80°	22.0	21.2	20.4	19.6	18.9	18.1	17.4	16.7	15.9	15.3	14.6
-82.5°	15.1	14.6	14.0	13.7	13.3	13.0	12.5	12.1	11.7	11.2	10.7
-85°	10.2	9.9	9.6	9.4	9.3	9.0	8.8	8.6	8.5	8.3	8.1
-87.5°	7.7	7.6	7.6	7.3	6.9	6.6	6.3	6.2	6.2	6.1	6.0
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



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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°	4.4	4.4	4.4	4.4	4.1	3.9	3.6	3.3	3.3	3.3	3.3
87.5°	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.2	2.2	2.2
85°	1.2	1.3	1.3	1.3	1.4	1.7	1.9	2.2	2.2	2.2	2.2
82.5°	1.4	1.6	1.8	1.9	1.9	1.9	2.0	2.2	2.2	2.2	2.2
80°	2.0	2.0	2.1	2.2	2.2	2.2	2.2	2.2	2.4	2.4	2.4
77.5°	2.5	2.3	2.2	2.2	2.2	2.2	2.2	2.3	2.5	2.6	2.6
75°	2.9	2.6	2.3	2.2	2.3	2.2	2.2	2.3	2.6	2.8	2.9
72.5°	3.2	2.9	2.5	2.3	2.5	2.5	2.4	2.3	2.6	2.8	3.1
70°	4.7	3.6	3.1	2.9	2.8	2.9	2.8	2.7	2.6	2.9	3.1
67.5°	7.3	5.5	4.2	3.4	3.1	3.1	3.2	3.0	2.9	2.9	3.2
65°	13.0	8.7	5.5	4.3	3.6	3.3	3.3	3.3	3.1	3.1	3.2
62.5°	18.6	13.0	8.9	5.8	4.1	3.5	3.3	3.4	3.3	3.2	3.2
60°	24.2	18.1	12.6	8.9	5.6	3.6	3.4	3.6	3.5	3.3	3.3
57.5°	24.4	22.5	17.7	12.4	8.3	4.9	3.6	3.8	3.8	3.5	3.3
55°	23.3	22.2	21.2	16.9	11.4	7.1	4.5	4.1	4.0	3.8	3.4
52.5°	20.7	21.8	22.0	20.2	15.3	9.7	6.5	4.4	4.4	4.1	3.6
50°	18.0	20.9	22.5	21.7	18.6	13.3	8.4	5.9	4.7	4.4	4.0
47.5°	16.9	20.3	22.6	23.2	20.7	16.9	11.3	7.4	5.1	4.8	4.3
45°	17.1	19.9	22.9	24.0	22.9	19.4	14.4	8.7	6.3	5.2	4.6
42.5°	18.4	20.9	22.9	25.4	24.4	21.4	17.5	11.2	7.4	5.5	4.9
40°	24.9	23.3	23.8	26.5	26.3	23.3	19.4	13.8	8.3	6.0	5.2
37.5°	33.8	29.6	26.9	30.4	29.0	25.4	21.1	16.3	9.5	6.8	5.5
35°	57.7	39.7	39.4	39.6	34.5	27.8	22.7	18.4	11.8	7.5	5.8
32.5°	87.9	68.5	66.7	55.5	42.0	30.6	24.7	20.2	14.1	8.1	6.1
30°	146.5	131.7	104.3	76.0	53.7	37.7	27.6	22.0	16.3	8.6	6.4
27.5°	242.8	209.7	155.3	110.6	73.5	46.9	31.7	24.0	18.5	9.6	6.8
25°	342.2	300.0	230.9	155.1	96.4	65.5	36.4	26.0	20.3	11.3	7.2
22.5°	438.6	394.0	316.3	205.6	129.8	89.5	46.5	29.7	21.9	13.0	7.6
20°	532.5	490.3	403.7	251.7	169.1	118.7	64.0	33.6	23.5	14.6	7.9
17.5°	636.1	564.3	452.9	305.7	208.0	148.3	84.1	37.7	25.0	16.2	8.2
15°	763.3	608.2	500.2	353.7	242.7	177.7	106.3	41.9	26.5	17.5	8.5
12.5°	877.3	648.7	546.8	395.8	273.4	206.8	129.7	46.1	27.9	19.2	9.0
10°	984.2	686.0	591.8	432.1	300.5	235.3	153.7	50.9	30.2	21.0	9.4
7.5°	1081.9	720.0	634.1	462.8	322.7	254.9	168.5	56.7	32.6	22.7	9.9
5°	1161.6	747.1	663.6	483.7	333.6	264.3	179.3	62.3	34.8	24.2	10.3
2.5°	1199.1	765.7	681.8	499.3	342.8	271.7	187.3	67.6	37.0	25.6	10.7
0°	1218.6	781.6	693.8	510.3	350.2	276.9	192.4	72.3	38.9	26.7	11.1
-2.5°	1221.5	785.2	696.9	521.5	361.9	284.5	199.2	85.2	48.9	32.8	14.6
-5°	1206.1	785.7	694.7	527.8	371.3	290.0	203.7	97.2	58.5	38.6	17.9
-7.5°	1153.8	773.8	682.8	528.4	378.0	293.3	206.4	108.3	67.5	43.9	21.0
-10°	1080.0	753.1	659.8	519.4	384.3	298.0	208.6	118.2	75.7	48.6	23.9
-12.5°	989.7	729.7	636.2	508.5	389.0	304.5	215.6	128.3	83.0	52.5	26.3
-15°	883.5	703.9	613.4	496.7	391.8	309.7	220.5	137.1	89.7	56.1	28.3
-17.5°	766.9	675.8	592.5	484.7	392.7	313.9	223.3	143.9	95.2	59.2	30.1
-20°	741.0	659.1	574.2	473.3	392.1	317.3	224.2	148.5	99.6	61.2	31.7



REPORT NUMBER: P701347 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	731.1	651.6	562.4	468.1	391.1	320.0	223.1	150.5	102.7	62.2	32.6
-25°	720.9	642.4	549.0	460.8	390.9	316.2	222.4	149.9	104.4	62.0	32.7
-27.5°	708.8	629.7	532.3	449.2	383.0	310.3	221.0	151.3	104.5	60.6	32.1
-30°	695.1	608.1	515.4	434.7	372.2	294.5	216.0	151.1	102.7	59.2	30.6
-32.5°	675.7	583.1	494.4	420.6	354.4	277.2	204.9	148.9	99.1	57.5	29.6
-35°	642.8	554.4	469.0	403.1	333.6	260.9	193.0	144.8	93.8	54.5	28.3
-37.5°	606.4	521.6	446.7	381.2	312.0	243.1	183.9	135.5	86.7	50.4	26.3
-40°	567.9	489.7	422.1	356.7	290.4	223.7	172.8	124.1	80.1	45.0	23.7
-42.5°	527.3	459.8	394.9	331.5	267.6	209.3	159.7	110.9	71.7	40.4	20.4
-45°	491.4	427.3	365.4	304.2	244.3	192.8	143.1	96.6	61.8	35.8	17.7
-47.5°	452.9	393.0	333.4	274.6	223.4	173.6	124.7	84.1	50.9	30.3	16.5
-50°	413.7	355.9	298.6	246.8	199.4	150.8	105.5	70.2	43.3	23.7	15.1
-52.5°	372.1	315.6	264.8	218.2	171.3	125.9	88.0	55.5	35.1	20.2	13.5
-55°	325.1	276.6	231.2	185.3	140.6	102.9	69.0	45.2	26.2	18.0	11.8
-57.5°	280.5	237.4	192.3	148.8	111.5	79.0	53.6	34.3	21.9	15.6	11.2
-60°	234.1	191.2	149.6	114.5	82.9	58.4	40.2	25.3	19.0	13.4	10.5
-62.5°	181.1	143.4	110.9	80.9	59.0	42.0	27.9	21.7	15.8	12.5	9.8
-65°	130.4	100.2	72.7	55.8	39.9	28.1	23.4	17.9	14.2	11.5	9.1
-67.5°	81.2	64.1	48.2	33.6	27.3	23.1	18.7	15.7	13.0	10.5	8.6
-70°	49.5	35.6	29.1	25.5	21.7	18.3	16.4	14.1	11.7	9.8	8.1
-72.5°	28.8	25.7	22.6	19.6	17.7	16.0	14.4	12.6	10.7	9.0	7.5
-75°	21.1	19.5	18.1	16.6	15.1	13.7	12.6	11.4	9.8	8.2	6.8
-77.5°	17.2	16.1	14.9	13.8	12.8	11.9	11.0	10.1	8.7	7.4	6.1
-80°	13.7	12.8	12.0	11.3	10.6	10.0	9.5	8.9	7.6	6.5	5.4
-82.5°	10.1	9.8	9.4	9.1	8.7	8.3	8.0	7.5	6.5	5.6	4.8
-85°	7.9	7.6	7.4	7.2	6.9	6.7	6.5	6.2	5.4	4.8	4.3
-87.5°	6.0	5.9	5.8	5.7	5.5	5.3	5.0	4.7	4.4	4.1	3.8
-90°	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.2	2.2	2.2



REPORT NUMBER: P701347 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	3.3	3.3	3.3	3.3	3.3	2.7	2.2
87.5°	2.2	2.3	2.3	2.3	2.3	2.2	2.2
85°	2.2	2.3	2.4	2.4	2.4	2.3	2.2
82.5°	2.2	2.4	2.5	2.5	2.5	2.3	2.2
80°	2.3	2.5	2.6	2.6	2.6	2.4	2.2
77.5°	2.5	2.6	2.7	2.7	2.7	2.4	2.2
75°	2.8	2.7	2.8	2.9	2.8	2.5	2.2
72.5°	3.1	2.9	2.9	3.0	2.9	2.5	2.2
70°	3.3	3.1	3.0	3.1	3.0	2.6	2.2
67.5°	3.3	3.2	3.1	3.1	3.0	2.6	2.2
65°	3.3	3.3	3.2	3.2	3.1	2.7	2.2
62.5°	3.3	3.3	3.2	3.2	3.2	2.7	2.2
60°	3.3	3.3	3.3	3.2	3.3	2.7	2.2
57.5°	3.3	3.3	3.3	3.2	3.3	2.8	2.2
55°	3.4	3.3	3.3	3.3	3.3	2.8	2.2
52.5°	3.5	3.3	3.3	3.3	3.3	2.9	2.2
50°	3.6	3.4	3.3	3.3	3.3	2.9	2.2
47.5°	3.8	3.5	3.3	3.3	3.3	2.9	2.2
45°	4.0	3.6	3.3	3.3	3.3	3.0	2.2
42.5°	4.3	3.8	3.3	3.3	3.3	3.0	2.2
40°	4.5	3.9	3.4	3.3	3.3	3.0	2.2
37.5°	4.8	4.1	3.5	3.3	3.3	3.1	2.2
35°	5.0	4.3	3.6	3.3	3.3	3.1	2.2
32.5°	5.3	4.4	3.7	3.3	3.3	3.1	2.2
30°	5.5	4.6	3.8	3.3	3.3	3.2	2.2
27.5°	5.7	4.8	3.9	3.3	3.3	3.2	2.2
25°	5.9	5.0	4.0	3.3	3.3	3.2	2.2
22.5°	6.1	5.1	4.1	3.3	3.3	3.2	2.2
20°	6.3	5.2	4.1	3.3	3.3	3.2	2.2
17.5°	6.4	5.3	4.2	3.3	3.3	3.2	2.2
15°	6.6	5.4	4.2	3.3	3.3	3.3	2.2
12.5°	6.9	5.5	4.3	3.3	3.3	3.3	2.2
10°	7.1	5.5	4.3	3.3	3.3	3.3	2.2
7.5°	7.3	5.5	4.4	3.3	3.3	3.3	2.2
5°	7.5	5.6	4.4	3.3	3.3	3.3	2.2
2.5°	7.6	5.6	4.4	3.3	3.3	3.3	2.2
0°	7.8	5.6	4.4	3.3	3.3	3.3	2.2
-2.5°	9.1	6.1	4.6	3.5	3.3	3.3	2.2
-5°	10.4	6.5	4.8	3.6	3.4	3.3	2.2
-7.5°	11.6	7.0	5.0	3.7	3.4	3.3	2.2
-10°	12.6	7.4	5.1	3.9	3.5	3.3	2.2
-12.5°	13.6	7.7	5.3	4.0	3.5	3.3	2.2
-15°	14.3	8.0	5.5	4.1	3.6	3.3	2.2
-17.5°	14.9	8.3	5.6	4.3	3.6	3.3	2.2
-20°	15.5	8.5	5.7	4.4	3.6	3.2	2.2



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 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	16.0	8.6	5.8	4.5	3.7	3.2	2.2
-25°	16.1	8.7	5.9	4.5	3.7	3.2	2.2
-27.5°	15.9	8.8	6.0	4.6	3.7	3.2	2.2
-30°	15.2	8.7	6.1	4.7	3.7	3.2	2.2
-32.5°	14.1	8.6	6.2	4.7	3.7	3.2	2.2
-35°	13.6	8.3	6.2	4.7	3.7	3.2	2.2
-37.5°	13.3	8.1	6.2	4.7	3.7	3.1	2.2
-40°	12.8	8.1	6.2	4.7	3.7	3.1	2.2
-42.5°	12.1	8.0	6.1	4.7	3.7	3.1	2.2
-45°	11.3	7.9	6.0	4.6	3.6	3.1	2.2
-47.5°	10.3	7.8	6.0	4.6	3.6	3.1	2.2
-50°	9.9	7.6	5.8	4.5	3.5	3.1	2.2
-52.5°	9.6	7.3	5.7	4.4	3.5	3.0	2.2
-55°	9.2	7.1	5.6	4.3	3.4	3.0	2.2
-57.5°	8.7	6.9	5.4	4.2	3.4	3.0	2.2
-60°	8.2	6.6	5.2	4.1	3.3	3.0	2.2
-62.5°	7.8	6.3	5.0	4.0	3.3	3.0	2.2
-65°	7.4	6.0	4.8	3.8	3.3	3.0	2.2
-67.5°	7.0	5.7	4.6	3.7	3.3	2.9	2.2
-70°	6.6	5.4	4.4	3.6	3.3	2.9	2.2
-72.5°	6.1	5.0	4.1	3.5	3.3	2.9	2.2
-75°	5.5	4.6	3.9	3.5	3.3	2.9	2.2
-77.5°	5.0	4.2	3.8	3.5	3.3	2.9	2.2
-80°	4.4	4.0	3.7	3.4	3.3	2.8	2.2
-82.5°	4.1	3.8	3.6	3.4	3.3	2.8	2.2
-85°	3.9	3.7	3.5	3.4	3.3	2.8	2.2
-87.5°	3.6	3.5	3.4	3.3	3.3	2.8	2.2
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2

(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

