

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: P701588 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-80-3S-CV2-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701588 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0640L-57-80-3S-CV2-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

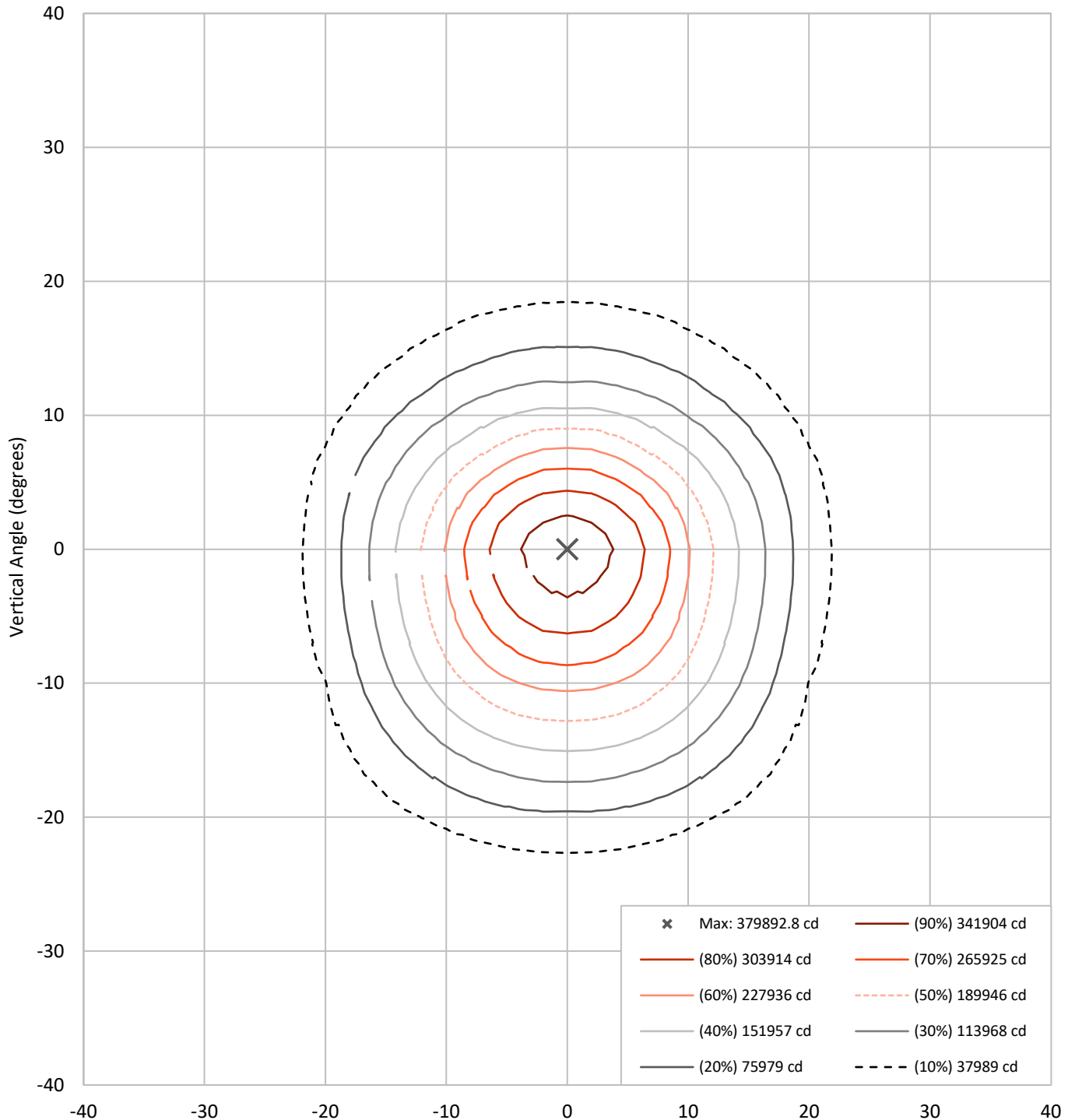
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	74986.3 lumens	Max Intensity:	379892.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	114.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.2°H x 21.8°V	Field Angle (10%):	43.8°H x 40.9°V
Beam Lumens:	33977.3 lumens	Field Lumens:	64299.3 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%

Input Watts (W): 658  
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





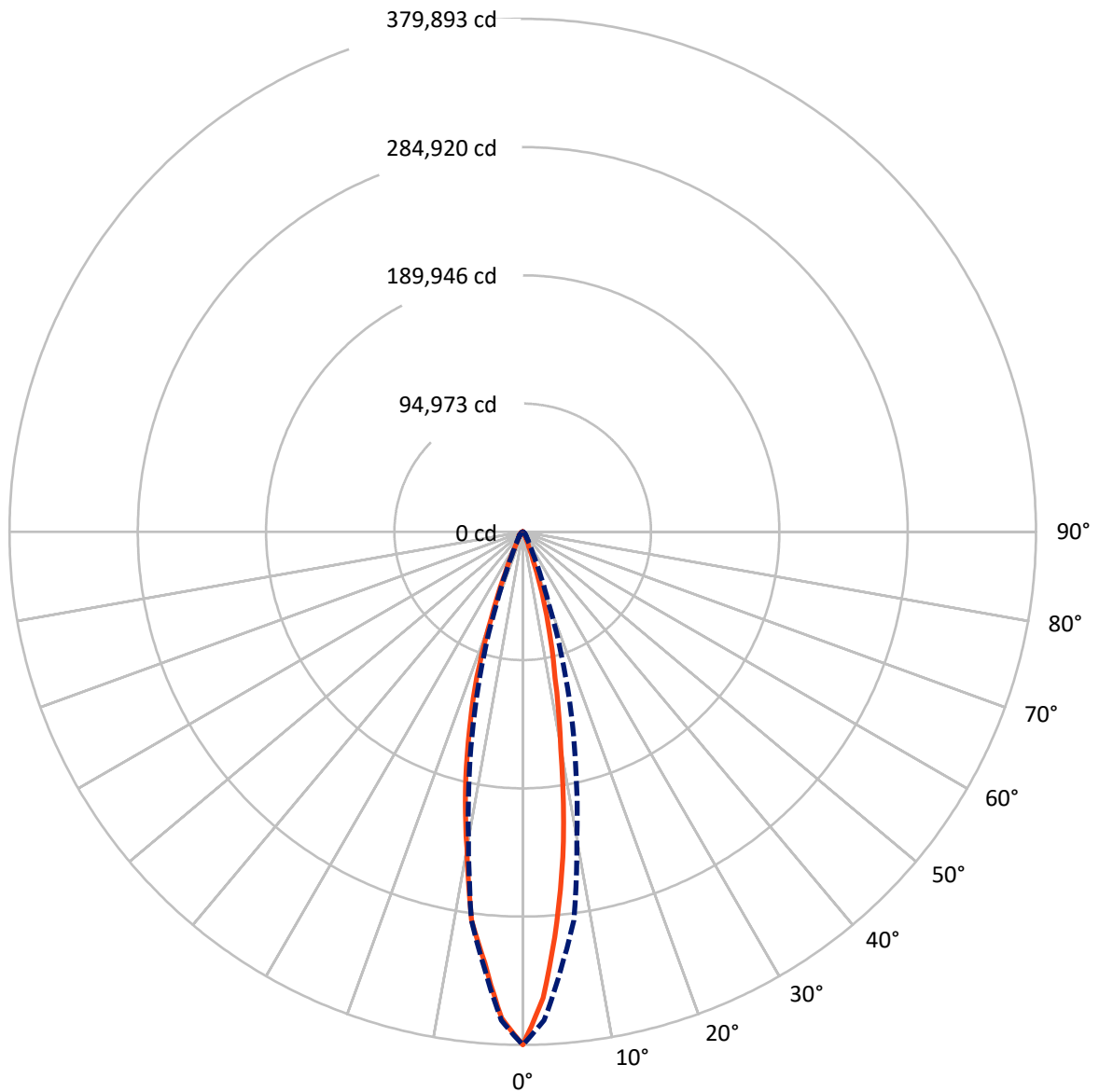
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### Lumen Table

90	0.2	0.6	0.7	0.6	0.5	0.6	0.7	0.6	0.2							
80	0.2	0.6	0.7	0.6	0.5	0.6	0.7	0.6	0.2							
70	0.2	0.1	0.2	0.6	0.7	0.5	0.3	0.3	0.3	0.3	0.5	0.7	0.6	0.2	0.1	0.2
60		0.2	0.4	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.4	0.2	
50	0.3	0.2	0.4	0.5	0.7	0.9	1.2	1.4	1.4	1.2	0.9	0.7	0.5	0.4	0.2	0.3
40		0.2	0.9	2.0	4.1	6.3	8.0	9.7	9.7	8.0	6.3	4.1	2.0	0.9	0.2	
30	0.3	0.5	3.1	9.9	26.1	44.9	103.1	215.4	215.4	103.1	44.9	26.1	9.9	3.1	0.5	0.3
20		1.0	7.4	26.6	65.7	180.0	946.3	2221.8	2221.8	946.3	180.0	65.7	26.6	7.4	1.0	
10	0.4	2.0	13.0	49.8	120.2	542.0	3266.3	7472.0	7472.0	3266.3	542.0	120.2	49.8	13.0	2.0	0.4
0		3.3	17.3	60.2	138.0	584.9	3769.4	8494.1	8494.1	3769.4	584.9	138.0	60.2	17.3	3.3	
-10	0.7	3.8	17.5	57.2	126.7	340.9	1927.4	4219.9	4219.9	1927.4	340.9	126.7	57.2	17.5	3.8	0.7
-20		3.6	14.6	37.4	87.3	153.8	353.4	720.0	720.0	353.4	153.8	87.3	37.4	14.6	3.6	
-30	0.5	3.1	10.6	22.9	50.7	90.5	125.2	151.4	151.4	125.2	90.5	50.7	22.9	10.6	3.1	0.5
-40		2.1	7.4	16.1	29.1	49.9	81.1	105.6	105.6	81.1	49.9	29.1	16.1	7.4	2.1	
-50	0.3	1.0	4.5	10.6	19.0	28.6	37.2	42.8	42.8	37.2	28.6	19.0	10.6	4.5	1.0	0.3
-60		0.4	1.7	5.4	10.7	17.1	23.6	27.5	27.5	23.6	17.1	10.7	5.4	1.7	0.4	
-70	0.2	1.0	3.7	10.3	14.8	10.3	3.7	1.0	0.2							0.2
-80		1.0	3.7	10.3	14.8	10.3	3.7	1.0	0.2							
-90	0.2	1.0	3.7	10.3	14.8	10.3	3.7	1.0	0.2							0.2

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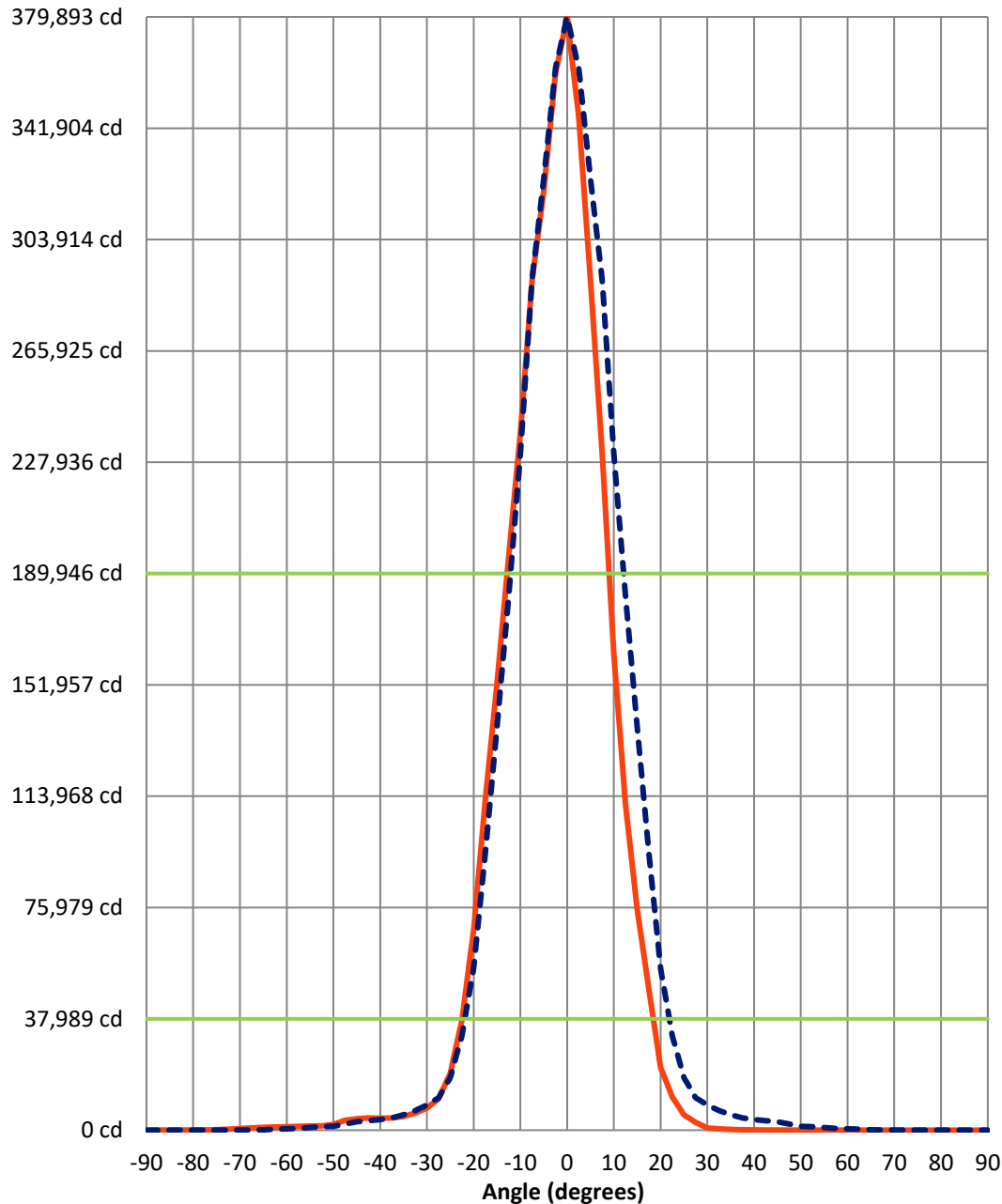
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 24.2°  
V Angle: 21.8°  
Lumens: 33977.3  
Efficiency: 45.3%

**Field:**  
H Angle: 43.8°  
V Angle: 40.9°  
Lumens: 64299.3  
Efficiency: 85.7%

**Spill:**  
Lumens: 10686.9  
Efficiency: 14.3%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	10.3	10.8	11.2	11.7
87.5°	9.8	9.8	10.0	10.0	10.0	9.9	9.8	9.8	9.8	9.8	9.8
85°	9.8	9.9	10.1	10.2	10.1	10.0	9.8	9.8	9.8	9.8	9.8
82.5°	9.8	9.9	10.3	10.4	10.3	10.1	9.8	9.8	9.8	9.9	9.8
80°	9.8	10.0	10.4	10.6	10.5	10.2	9.9	10.1	10.2	10.1	9.8
77.5°	9.8	10.0	10.6	10.7	10.7	10.4	10.4	10.5	10.5	10.3	9.9
75°	9.8	10.0	10.7	10.9	10.8	10.7	10.9	11.0	10.9	10.4	9.9
72.5°	9.8	10.1	10.9	11.1	11.0	11.0	11.3	11.4	10.9	10.5	10.0
70°	9.8	10.1	11.0	11.3	11.2	11.3	11.7	11.4	11.0	10.5	10.1
67.5°	9.8	10.1	11.1	11.4	11.3	11.6	11.7	11.5	11.0	10.6	10.1
65°	9.8	10.2	11.3	11.4	11.5	11.7	11.7	11.5	11.1	10.6	10.4
62.5°	9.8	10.2	11.4	11.5	11.6	11.7	11.7	11.6	11.2	10.8	11.0
60°	9.8	10.2	11.4	11.6	11.7	11.7	11.7	11.6	11.2	11.2	11.5
57.5°	9.8	10.2	11.4	11.6	11.7	11.7	11.7	11.7	11.4	11.5	11.7
55°	9.8	10.2	11.4	11.6	11.7	11.7	11.7	11.7	11.6	11.7	11.7
52.5°	9.8	10.3	11.4	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
50°	9.8	10.3	11.4	11.7	11.7	11.7	11.7	11.8	11.7	11.7	12.6
47.5°	9.8	10.3	11.4	11.7	11.7	11.7	11.7	12.0	11.7	11.7	13.5
45°	9.8	10.3	11.4	11.7	11.7	11.7	11.9	12.1	11.8	12.3	14.2
42.5°	9.8	10.3	11.4	11.7	11.7	11.7	12.1	12.3	11.9	12.9	14.9
40°	9.8	10.3	11.4	11.7	11.7	11.7	12.3	12.4	12.2	13.4	15.5
37.5°	9.8	10.3	11.4	11.7	11.7	11.7	12.5	12.5	12.8	14.0	15.7
35°	9.8	10.2	11.4	11.7	11.7	11.8	12.8	12.6	13.3	14.8	15.8
32.5°	9.8	10.2	11.4	11.7	11.7	12.0	13.1	12.8	13.9	15.7	17.2
30°	9.8	10.2	11.4	11.7	11.7	12.3	13.2	13.0	14.4	16.7	19.0
27.5°	9.8	10.2	11.5	11.7	11.7	12.5	13.3	13.4	15.0	17.8	21.1
25°	9.8	10.2	11.5	11.7	11.7	12.7	13.4	13.8	15.9	19.4	23.8
22.5°	9.8	10.1	11.5	11.7	11.7	12.9	13.5	14.2	16.8	21.4	29.0
20°	9.8	10.1	11.5	11.7	11.7	13.1	13.7	14.5	17.7	23.5	34.1
17.5°	9.8	10.1	11.6	11.7	11.7	13.2	13.8	14.9	18.7	25.7	38.9
15°	9.8	10.0	11.6	11.7	11.7	13.4	14.0	15.3	19.6	28.1	43.6
12.5°	9.8	10.0	11.6	11.7	11.7	13.5	14.2	15.7	21.3	30.5	47.9
10°	9.8	10.0	11.7	11.7	11.7	13.5	14.5	16.1	23.7	35.2	55.6
7.5°	9.8	9.9	11.7	11.7	11.7	13.6	14.8	16.5	26.1	40.2	71.2
5°	9.8	9.9	11.7	11.7	11.7	13.7	15.1	16.9	28.6	45.3	87.5
2.5°	9.8	9.8	11.7	11.7	11.7	13.7	15.3	17.3	31.0	50.2	103.7
0°	9.8	9.8	11.7	11.7	11.7	13.7	15.6	17.6	33.3	54.8	119.3
-2.5°	9.8	9.8	11.7	11.7	11.7	13.7	17.2	23.4	44.2	72.8	145.0
-5°	9.8	9.8	11.7	11.7	11.7	13.7	18.6	29.0	54.6	90.0	169.0
-7.5°	9.8	9.8	11.7	11.7	11.7	13.6	20.0	34.3	64.2	106.1	190.9
-10°	9.8	9.8	11.6	11.7	11.7	13.5	21.1	39.0	73.0	120.9	210.1
-12.5°	9.8	9.8	11.6	11.7	11.7	13.5	22.0	42.9	80.6	133.7	223.5
-15°	9.8	9.8	11.6	11.7	11.7	13.4	22.6	46.0	87.5	144.1	232.9
-17.5°	9.8	9.8	11.5	11.7	11.7	13.2	22.8	48.9	93.6	152.7	239.6
-20°	9.8	9.8	11.5	11.7	11.7	13.1	23.2	51.4	98.1	159.6	243.5



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	9.8	9.8	11.4	11.7	11.7	12.9	23.9	52.6	100.8	164.6	244.4
-25°	9.8	9.8	11.3	11.7	11.7	13.1	23.9	52.6	101.5	167.6	242.3
-27.5°	9.8	9.8	11.3	11.7	11.7	13.4	23.2	51.3	100.3	168.5	244.5
-30°	9.8	9.8	11.2	11.7	11.7	13.5	21.9	48.4	98.2	166.8	244.4
-32.5°	9.8	9.8	11.1	11.7	11.9	13.5	19.7	46.4	94.8	162.2	241.6
-35°	9.8	9.8	11.0	11.7	12.0	13.4	18.9	43.8	89.4	154.8	236.0
-37.5°	9.8	9.8	10.9	11.7	12.2	13.3	18.8	40.2	81.8	144.4	218.5
-40°	9.8	9.8	10.8	11.7	12.3	13.4	18.3	35.3	72.1	133.2	198.5
-42.5°	9.8	9.8	10.7	11.7	12.4	13.5	17.6	29.2	63.7	117.3	177.1
-45°	9.8	9.8	10.6	11.8	12.5	13.6	16.7	24.7	55.4	99.6	154.8
-47.5°	9.8	9.8	10.5	11.8	12.5	13.7	15.6	23.2	45.5	80.6	133.4
-50°	9.8	9.8	10.3	11.7	12.5	13.7	15.4	21.5	33.8	67.2	110.4
-52.5°	9.8	9.8	10.2	11.6	12.5	13.7	15.3	19.4	28.2	52.8	86.8
-55°	9.8	9.8	10.1	11.4	12.5	13.6	15.2	17.2	25.2	37.4	69.2
-57.5°	9.8	9.8	9.9	11.2	12.5	13.5	15.0	17.0	21.9	30.7	50.6
-60°	9.8	9.8	9.8	11.0	12.4	13.4	14.8	16.6	18.9	26.4	35.6
-62.5°	9.8	9.8	9.8	10.8	12.2	13.3	14.6	16.2	18.2	21.7	30.1
-65°	9.8	9.8	9.8	10.7	11.9	13.1	14.3	15.6	17.3	19.7	24.2
-67.5°	9.8	9.8	9.8	10.4	11.6	12.8	13.9	15.1	16.3	18.4	21.0
-70°	9.8	9.8	9.8	10.2	11.3	12.5	13.6	14.5	15.5	16.9	19.1
-72.5°	9.8	9.8	9.8	10.2	11.0	12.1	13.1	13.9	14.7	15.8	17.1
-75°	9.8	9.8	9.8	10.1	10.7	11.7	12.7	13.3	13.8	14.6	15.6
-77.5°	9.8	9.8	9.8	10.1	10.6	11.3	12.2	12.7	13.1	13.5	14.1
-80°	9.8	9.8	9.8	10.0	10.4	11.0	11.7	12.1	12.4	12.7	13.1
-82.5°	9.8	9.8	9.8	10.0	10.3	10.7	11.3	11.6	11.7	12.0	12.2
-85°	9.8	9.8	9.8	9.9	10.1	10.4	10.8	11.1	11.4	11.6	11.7
-87.5°	9.8	9.8	9.8	9.9	10.0	10.1	10.3	10.7	11.1	11.4	11.7
-90°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8





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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°	11.2	10.8	10.3	9.8	9.8	9.8	9.8	9.8	9.3	8.8	8.3
87.5°	9.3	8.8	8.3	7.8	7.8	7.8	7.8	7.8	7.3	6.9	6.4
85°	9.3	8.8	8.4	8.1	8.1	8.1	8.0	7.8	7.3	6.9	6.4
82.5°	9.5	9.3	9.2	9.2	9.1	8.8	8.3	7.8	7.4	6.9	6.4
80°	9.7	9.8	9.8	9.8	9.4	8.9	8.4	7.9	7.4	6.9	6.5
77.5°	9.8	9.8	9.8	9.8	9.4	8.9	8.4	7.9	7.5	7.0	6.5
75°	9.8	9.8	9.8	9.8	9.5	9.0	8.5	8.4	8.3	8.2	8.0
72.5°	9.8	9.8	9.8	9.8	9.6	9.4	9.4	9.6	10.0	10.1	10.0
70°	9.8	9.8	10.0	10.0	9.8	10.0	10.8	11.9	12.8	13.8	16.3
67.5°	9.9	10.3	10.4	10.3	10.6	11.5	12.7	18.0	24.4	27.3	28.9
65°	10.7	11.0	11.0	11.2	11.6	15.4	21.2	28.7	36.9	38.9	38.6
62.5°	11.6	11.4	11.5	12.7	15.7	21.0	28.8	37.5	46.7	44.9	38.8
60°	11.7	11.6	13.0	16.0	20.0	27.0	36.0	40.3	43.3	43.2	35.5
57.5°	11.7	12.7	15.4	19.5	25.4	31.3	33.3	35.8	37.9	39.1	30.7
55°	12.2	14.4	18.0	23.5	28.1	27.3	28.4	30.1	31.5	29.7	22.1
52.5°	13.5	16.0	20.8	25.7	26.6	24.5	23.1	24.3	23.2	20.1	16.7
50°	14.7	18.1	22.9	26.0	25.4	22.1	19.1	19.6	18.6	16.3	14.2
47.5°	16.0	19.8	24.6	26.6	23.9	21.7	19.1	18.4	17.4	18.1	17.1
45°	17.2	21.2	26.3	25.7	24.0	23.3	22.1	19.4	22.4	23.4	23.2
42.5°	18.0	22.2	26.2	25.3	26.7	27.4	26.9	28.0	29.8	32.5	33.7
40°	18.6	22.9	27.1	30.0	30.8	33.5	37.1	40.0	41.0	45.0	47.6
37.5°	18.9	25.0	31.1	38.6	37.7	43.2	49.3	59.9	63.1	59.3	66.6
35°	18.9	28.3	41.8	52.2	53.6	56.0	71.9	87.9	97.7	88.0	97.0
32.5°	21.0	32.7	55.5	70.1	80.5	83.1	98.9	131.8	148.8	151.2	152.1
30°	25.9	45.3	72.3	91.4	115.2	134.4	149.6	187.5	214.6	281.8	336.1
27.5°	32.1	60.6	92.5	123.4	159.0	194.7	230.5	260.4	348.1	474.5	615.3
25°	38.3	82.7	115.0	162.7	217.0	269.0	317.2	358.0	529.2	788.0	961.2
22.5°	50.4	108.8	147.4	206.5	280.8	349.1	408.7	516.7	756.0	1139.2	1325.6
20°	70.0	136.4	187.2	259.1	352.3	432.0	501.8	682.4	1031.7	1391.1	1622.2
17.5°	91.5	165.4	230.5	325.5	444.6	532.8	604.3	843.7	1299.0	1642.3	1877.8
15°	114.2	195.1	273.3	397.7	545.7	655.1	800.3	1094.3	1535.0	1889.1	2177.8
12.5°	137.4	225.3	315.2	473.8	653.2	778.7	1039.2	1465.7	1858.9	2167.6	2599.8
10°	160.6	255.2	355.7	551.8	764.4	902.3	1301.9	1832.6	2212.7	2530.2	3027.2
7.5°	206.0	297.4	399.2	629.3	876.5	1024.7	1577.4	2189.8	2544.0	2867.1	3390.8
5°	254.8	351.7	467.0	725.9	987.5	1135.1	1833.5	2530.2	2854.6	3180.0	3699.3
2.5°	302.2	403.9	532.3	819.6	1091.8	1224.8	1986.5	2719.3	3056.2	3423.1	3961.7
0°	346.2	453.8	594.6	905.6	1187.2	1308.5	2110.4	2879.1	3225.3	3626.2	4191.5
-2.5°	381.7	502.5	653.0	954.4	1220.3	1356.1	2135.8	2937.8	3312.7	3742.1	4301.8
-5°	411.3	547.8	706.8	994.7	1246.0	1398.1	2130.7	2958.7	3386.0	3830.0	4402.3
-7.5°	434.5	589.0	755.5	1023.9	1259.4	1418.1	2124.4	2986.6	3466.3	3889.9	4483.7
-10°	447.3	605.8	765.9	1019.9	1256.1	1422.5	2078.0	2969.8	3532.0	3933.4	4509.2
-12.5°	433.9	600.5	763.3	1007.0	1247.3	1421.7	1977.0	2905.4	3584.3	3963.1	4461.0
-15°	418.2	591.7	752.8	985.2	1233.6	1415.7	1816.1	2791.1	3558.0	3854.6	4319.7
-17.5°	401.1	579.4	733.9	954.5	1215.7	1404.6	1580.3	2501.3	3289.2	3669.3	4166.7
-20°	383.4	563.7	706.0	914.9	1190.3	1350.6	1469.4	2135.0	2904.9	3440.7	3899.2



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	365.8	544.6	676.1	878.2	1098.3	1261.4	1387.4	1761.2	2506.9	3157.9	3499.8
-25°	356.5	516.8	651.2	810.8	1000.5	1169.7	1292.4	1425.3	2091.0	2716.5	3146.9
-27.5°	352.1	491.7	614.2	743.5	907.5	1072.7	1189.7	1315.1	1680.9	2272.0	2788.1
-30°	344.0	457.4	575.6	682.9	828.6	971.5	1086.5	1215.8	1363.0	1840.3	2317.0
-32.5°	324.7	422.6	535.3	638.4	754.8	879.8	1007.1	1133.6	1259.6	1433.3	1870.2
-35°	302.2	393.4	494.9	592.9	685.4	805.4	932.6	1057.1	1164.1	1275.1	1516.8
-37.5°	283.9	362.0	455.1	547.8	635.1	737.7	854.9	975.9	1085.1	1185.3	1323.1
-40°	263.9	328.3	417.4	505.1	587.3	675.5	780.0	889.1	1001.8	1119.0	1226.7
-42.5°	241.9	304.0	378.3	463.0	540.1	621.3	704.9	805.8	916.7	1040.4	1152.1
-45°	216.8	278.2	339.3	417.1	491.1	565.9	644.1	724.0	832.8	943.9	1060.9
-47.5°	190.4	250.2	308.9	371.1	441.6	509.8	581.5	663.1	748.6	850.1	953.4
-50°	163.1	219.7	276.7	333.1	393.4	455.2	518.4	600.9	682.2	761.6	850.3
-52.5°	135.7	188.0	242.3	296.5	350.1	405.7	466.1	538.9	615.5	690.0	763.6
-55°	106.8	155.4	206.2	257.7	308.8	359.3	418.0	482.5	549.0	620.0	688.4
-57.5°	82.2	121.1	168.0	217.0	265.3	314.6	372.3	427.8	488.1	550.8	612.2
-60°	59.9	89.8	127.4	172.8	219.9	268.3	325.2	380.3	431.8	482.0	539.6
-62.5°	39.5	62.8	91.2	125.3	168.2	216.7	267.7	322.0	380.4	426.2	471.3
-65°	32.4	40.1	59.4	86.1	114.4	155.7	202.1	252.4	303.0	348.5	396.6
-67.5°	25.1	32.3	39.0	49.2	73.6	101.0	130.2	171.7	215.8	254.0	292.8
-70°	21.9	25.1	30.8	36.8	42.5	53.8	77.8	103.4	128.6	153.1	184.8
-72.5°	19.3	22.1	25.2	28.4	33.3	38.6	44.2	50.0	64.3	83.2	100.8
-75°	17.2	19.1	21.6	24.3	26.9	29.5	32.4	37.1	41.7	46.1	50.3
-77.5°	15.3	16.9	18.5	20.4	22.1	24.1	26.2	28.4	30.6	32.9	35.4
-80°	13.7	14.6	15.8	17.2	18.1	19.1	20.3	21.7	22.9	24.2	25.6
-82.5°	12.6	13.1	13.8	14.5	14.6	14.5	14.4	14.9	15.7	16.6	17.4
-85°	11.7	11.7	12.0	12.3	12.4	12.5	12.6	12.5	12.4	12.3	12.3
-87.5°	11.4	11.2	11.0	10.9	11.0	11.0	11.1	11.1	10.7	10.3	9.9
-90°	9.3	8.8	8.3	7.8	7.8	7.8	7.8	7.8	7.3	6.9	6.4



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	7.8	7.8	7.8	7.8	7.8	8.3	8.8	9.3	9.8	11.3	12.7
87.5°	5.9	5.4	4.9	4.4	3.9	3.4	3.0	2.5	2.0	2.0	2.0
85°	5.9	5.4	4.9	4.4	3.9	3.4	3.0	2.5	2.0	2.0	2.0
82.5°	5.9	5.7	5.5	5.4	5.3	5.0	4.6	4.2	3.7	3.3	2.9
80°	6.0	5.9	5.9	5.9	5.9	5.5	5.0	4.5	3.9	3.5	3.0
77.5°	6.2	6.2	6.2	6.1	6.0	5.5	5.0	4.5	4.0	3.5	3.0
75°	7.8	7.6	7.2	6.7	6.1	5.5	5.0	4.5	4.0	3.8	3.8
72.5°	9.6	9.1	8.7	9.2	9.1	8.9	8.6	8.0	7.2	7.1	7.4
70°	17.9	18.8	18.9	18.0	16.1	14.3	13.0	11.5	9.9	9.4	9.5
67.5°	28.5	27.2	25.5	23.3	19.9	17.0	15.2	13.5	11.9	11.3	11.4
65°	35.5	29.4	25.3	22.0	19.3	17.0	15.1	13.2	11.3	10.3	10.1
62.5°	32.4	25.4	21.0	18.4	16.5	15.0	12.7	10.8	9.2	8.5	8.8
60°	27.9	20.4	15.8	13.7	11.7	9.9	9.0	8.4	8.0	7.8	7.9
57.5°	22.1	15.5	11.6	10.8	9.8	8.4	8.0	8.2	8.1	7.8	7.8
55°	16.2	13.2	11.7	11.2	10.7	10.1	9.7	9.5	9.3	9.1	9.3
52.5°	13.2	13.2	13.4	13.2	12.7	12.1	11.6	11.6	11.8	12.1	12.7
50°	14.6	15.0	15.3	15.1	14.7	14.2	13.6	14.2	15.1	15.8	16.5
47.5°	16.9	17.6	18.6	17.3	17.5	18.6	17.9	18.2	21.1	22.9	24.1
45°	21.6	25.0	25.8	26.6	26.8	28.9	29.8	30.4	36.1	38.4	38.6
42.5°	34.3	37.6	40.2	42.8	42.3	48.7	57.3	62.0	61.8	60.9	61.9
40°	51.9	55.4	63.4	69.4	78.6	87.0	87.6	79.5	80.5	89.8	90.5
37.5°	77.9	88.9	104.6	122.1	126.8	121.4	124.7	130.5	136.6	145.2	155.2
35°	124.2	160.6	167.8	181.4	190.2	181.5	184.9	200.4	200.6	228.3	243.4
32.5°	220.3	276.2	293.4	281.3	304.8	319.0	275.4	330.2	340.7	369.1	403.9
30°	359.4	475.7	511.7	494.9	558.4	578.4	540.0	650.2	715.0	713.7	877.3
27.5°	682.8	740.9	808.4	911.5	924.8	959.3	1176.7	1344.9	1558.5	1760.4	2022.4
25°	1044.7	1077.7	1271.2	1398.6	1461.6	1691.4	2013.6	2276.5	2729.6	3152.5	4032.8
22.5°	1378.1	1501.2	1737.2	1941.3	2170.5	2540.6	2985.1	3472.8	4676.8	6158.0	8016.5
20°	1705.1	1867.2	2149.2	2516.1	2882.0	3385.5	3976.3	5521.7	7889.1	11477.0	15354.7
17.5°	2074.4	2230.3	2614.5	3132.7	3689.5	4444.1	6256.6	9209.4	14236.7	21255.7	28027.1
15°	2553.7	2821.9	3247.2	4012.8	5078.4	6856.9	9811.6	17094.8	27131.6	38047.0	49749.4
12.5°	3114.5	3556.7	4249.0	5238.3	6772.6	10974.2	18399.8	30094.9	45093.6	60423.9	79657.5
10°	3657.4	4397.0	5456.4	7015.3	10067.7	16689.7	27752.4	44631.3	67612.3	91315.2	112556.6
7.5°	4134.1	5112.9	6538.4	8723.2	13569.0	23139.5	39054.3	62574.3	91218.7	120509.3	149072.5
5°	4621.1	5784.9	7446.2	10002.3	15704.3	27808.2	48236.1	79000.8	113608.6	149084.9	186365.2
2.5°	5020.8	6349.1	8203.9	11062.7	16966.1	30317.3	53929.9	90441.7	130428.1	171043.2	217432.1
0°	5261.4	6699.0	8578.6	11095.8	17957.1	32293.9	55336.4	94491.6	137529.2	182184.4	230735.7
-2.5°	5268.9	6626.1	8396.0	10990.6	17745.0	31753.6	55434.6	94390.6	137147.3	180154.4	228066.7
-5°	5252.4	6460.0	8122.2	10613.1	16475.6	28934.6	51181.7	88275.0	130388.7	171089.5	214729.3
-7.5°	5227.3	6240.4	7733.2	10009.4	14851.0	25532.2	46283.5	80239.5	119973.7	157884.5	196949.5
-10°	5198.3	6013.1	7375.2	9491.5	13379.3	21485.2	37231.9	68155.7	104605.8	139589.1	171623.6
-12.5°	5173.4	5919.8	7086.8	8778.0	11590.3	18003.9	31433.4	55698.4	85215.8	114755.5	143132.9
-15°	5077.9	5796.1	6851.5	8248.1	10528.1	15013.6	23465.3	40238.1	64475.9	87810.5	110337.0
-17.5°	4882.4	5620.2	6284.2	7371.4	9016.0	11941.0	17478.5	27585.3	43147.8	61388.3	77280.5
-20°	4499.3	5005.1	5555.9	6479.3	7745.0	9284.9	11810.3	17569.2	24968.9	36866.8	45199.3



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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°	3930.6	4355.9	4819.4	5434.7	6324.7	7411.4	8759.0	10888.0	14749.3	19335.0	24403.3
-25°	3411.8	3717.5	4146.9	4675.5	5151.9	5860.9	6805.2	7631.1	9299.0	10648.0	13435.6
-27.5°	3018.6	3272.7	3661.7	4071.6	4423.3	4803.1	5460.2	6044.1	6855.6	7564.0	8697.2
-30°	2734.3	2994.6	3307.3	3618.0	3952.0	4274.0	4568.1	5010.8	5497.5	5959.6	6559.1
-32.5°	2383.3	2794.1	3020.4	3283.2	3580.3	3862.0	4086.3	4366.2	4634.1	4940.2	5269.0
-35°	2016.6	2465.4	2812.9	3014.8	3235.4	3504.5	3734.3	3925.8	4103.3	4293.4	4467.0
-37.5°	1584.7	2080.7	2476.5	2775.3	2976.8	3164.6	3411.1	3595.2	3712.6	3870.1	3988.9
-40°	1362.0	1560.6	2010.5	2416.5	2676.2	2972.0	3201.4	3396.3	3611.3	3779.0	3875.8
-42.5°	1253.5	1368.6	1488.3	1820.0	2226.4	2581.6	2877.3	3197.8	3485.4	3714.1	3926.9
-45°	1169.6	1251.3	1336.6	1446.6	1560.4	1892.8	2257.4	2632.2	2967.8	3281.5	3550.7
-47.5°	1057.6	1153.4	1231.2	1300.7	1370.6	1472.7	1581.9	1733.9	2056.5	2383.6	2695.5
-50°	942.3	1030.4	1116.4	1197.1	1262.6	1314.0	1355.3	1422.4	1519.6	1616.4	1711.4
-52.5°	833.8	915.6	993.4	1071.7	1148.3	1216.3	1276.6	1324.0	1363.0	1396.2	1418.8
-55°	756.1	820.5	881.1	955.7	1029.3	1097.8	1161.1	1219.3	1272.4	1320.7	1354.0
-57.5°	675.4	738.5	801.2	864.0	924.9	983.7	1042.8	1100.4	1154.4	1203.6	1236.6
-60°	595.5	649.4	711.7	776.4	837.1	893.8	948.7	1000.4	1048.5	1089.9	1116.5
-62.5°	520.0	570.9	624.7	683.0	744.4	804.3	859.3	911.6	961.1	1001.2	1027.0
-65°	443.7	486.5	532.5	580.7	630.5	681.6	733.9	787.4	841.1	884.3	912.6
-67.5°	333.3	376.2	421.3	468.4	510.8	549.8	587.6	626.5	665.9	698.6	724.3
-70°	216.8	248.8	280.3	312.5	347.7	383.4	417.6	449.6	479.3	503.1	522.4
-72.5°	117.2	132.7	150.1	174.6	198.2	221.9	245.4	267.5	288.2	303.7	315.9
-75°	54.3	61.4	74.6	86.8	98.1	109.6	120.7	130.9	140.2	146.9	151.9
-77.5°	38.6	41.8	44.9	48.0	51.2	55.6	60.2	64.7	69.2	73.5	77.7
-80°	27.2	28.9	30.7	32.3	33.9	36.3	39.0	41.7	44.3	47.0	49.7
-82.5°	18.2	19.3	20.5	21.5	22.6	24.1	25.5	26.9	28.3	30.5	32.7
-85°	12.3	12.8	13.3	13.9	14.5	15.7	16.9	18.0	19.2	20.7	22.3
-87.5°	9.4	9.5	9.5	9.6	9.6	10.6	11.6	12.6	13.6	15.1	16.6
-90°	5.9	5.4	4.9	4.4	3.9	3.4	3.0	2.5	2.0	1.5	1.0



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	14.2	15.6	16.6	17.6	16.6	15.6	14.2	12.7	11.3	9.8	9.3
87.5°	2.0	2.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.5
85°	2.0	2.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.5
82.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	2.9	3.3	3.7	4.2
80°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.5	3.9	4.5
77.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.5	4.0	4.5
75°	3.8	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	4.0	4.5
72.5°	7.6	7.7	7.8	7.8	7.8	7.7	7.6	7.4	7.1	7.2	8.0
70°	9.7	9.7	9.8	9.8	9.8	9.7	9.7	9.5	9.4	9.9	11.5
67.5°	11.5	11.6	11.7	11.7	11.7	11.6	11.5	11.4	11.3	11.9	13.5
65°	10.0	9.9	9.8	9.8	9.8	9.9	10.0	10.1	10.3	11.3	13.2
62.5°	9.2	9.7	9.8	9.8	9.8	9.7	9.2	8.8	8.5	9.2	10.8
60°	7.9	7.9	7.8	7.8	7.8	7.9	7.9	7.9	7.8	8.0	8.4
57.5°	7.8	7.8	8.6	9.8	8.6	7.8	7.8	7.8	7.8	8.1	8.2
55°	9.5	9.7	10.5	11.7	10.5	9.7	9.5	9.3	9.1	9.3	9.5
52.5°	13.1	13.4	13.6	13.7	13.6	13.4	13.1	12.7	12.1	11.8	11.6
50°	17.0	17.3	17.5	17.6	17.5	17.3	17.0	16.5	15.8	15.1	14.2
47.5°	24.8	25.1	25.2	25.4	25.2	25.1	24.8	24.1	22.9	21.1	18.2
45°	40.0	40.5	40.8	41.1	40.8	40.5	40.0	38.6	38.4	36.1	30.4
42.5°	64.4	65.4	65.4	64.5	65.4	65.4	64.4	61.9	60.9	61.8	62.0
40°	91.8	91.9	90.8	90.0	90.8	91.9	91.8	90.5	89.8	80.5	79.5
37.5°	159.8	154.1	143.8	138.9	143.8	154.1	159.8	155.2	145.2	136.6	130.5
35°	247.3	251.1	252.0	250.4	252.0	251.1	247.3	243.4	228.3	200.6	200.4
32.5°	413.7	433.4	439.8	451.8	439.8	433.4	413.7	403.9	369.1	340.7	330.2
30°	851.6	845.6	771.5	739.3	771.5	845.6	851.6	877.3	713.7	715.0	650.2
27.5°	2294.1	2558.1	2684.0	2673.7	2684.0	2558.1	2294.1	2022.4	1760.4	1558.5	1344.9
25°	4724.6	5149.0	5430.6	5245.7	5430.6	5149.0	4724.6	4032.8	3152.5	2729.6	2276.5
22.5°	9747.5	10672.8	11177.0	11357.9	11177.0	10672.8	9747.5	8016.5	6158.0	4676.8	3472.8
20°	19533.7	21280.9	22556.8	21491.4	22556.8	21280.9	19533.7	15354.7	11477.0	7889.1	5521.7
17.5°	36264.4	41699.2	46507.0	48009.6	46507.0	41699.2	36264.4	28027.1	21255.7	14236.7	9209.4
15°	61031.3	70209.6	75665.2	75347.2	75665.2	70209.6	61031.3	49749.4	38047.0	27131.6	17094.8
12.5°	93903.6	105230.1	112787.5	111107.0	112787.5	105230.1	93903.6	79657.5	60423.9	45093.6	30094.9
10°	133402.3	150558.2	163023.4	162449.3	163023.4	150558.2	133402.3	112556.6	91315.2	67612.3	44631.3
7.5°	174353.5	202517.5	226962.6	231076.1	226962.6	202517.5	174353.5	149072.5	120509.3	91218.7	62574.3
5°	227163.6	264284.7	288561.0	289948.7	288561.0	264284.7	227163.6	186365.2	149084.9	113608.6	79000.8
2.5°	270001.3	312585.5	333072.8	345485.6	333072.8	312585.5	270001.3	217432.1	171043.2	130428.1	90441.7
0°	290070.9	324689.4	362145.9	379892.8	362145.9	324689.4	290070.9	230735.7	182184.4	137529.2	94491.6
-2.5°	281837.2	318933.4	341407.6	360216.4	341407.6	318933.4	281837.2	228066.7	180154.4	137147.3	94390.6
-5°	263163.8	299920.1	318774.1	320533.1	318774.1	299920.1	263163.8	214729.3	171089.5	130388.7	88275.0
-7.5°	232678.8	263846.2	283641.1	289800.1	283641.1	263846.2	232678.8	196949.5	157884.5	119973.7	80239.5
-10°	200281.3	222695.7	235488.6	237941.3	235488.6	222695.7	200281.3	171623.6	139589.1	104605.8	68155.7
-12.5°	166599.1	184949.7	193777.1	195705.6	193777.1	184949.7	166599.1	143132.9	114755.5	85215.8	55698.4
-15°	129287.8	143096.2	151044.2	152427.3	151044.2	143096.2	129287.8	110337.0	87810.5	64475.9	40238.1
-17.5°	92283.2	103503.6	111554.9	112624.7	111554.9	103503.6	92283.2	77280.5	61388.3	43147.8	27585.3
-20°	56689.3	64323.8	69033.9	68343.1	69033.9	64323.8	56689.3	45199.3	36866.8	24968.9	17569.2



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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°	30520.7	34636.0	36626.5	37655.0	36626.5	34636.0	30520.7	24403.3	19335.0	14749.3	10888.0
-25°	16133.2	17876.0	18770.3	19471.0	18770.3	17876.0	16133.2	13435.6	10648.0	9299.0	7631.1
-27.5°	9599.4	10198.8	10531.6	10714.4	10531.6	10198.8	9599.4	8697.2	7564.0	6855.6	6044.1
-30°	7037.3	7324.4	7476.2	7551.7	7476.2	7324.4	7037.3	6559.1	5959.6	5497.5	5010.8
-32.5°	5532.9	5703.3	5808.1	5846.2	5808.1	5703.3	5532.9	5269.0	4940.2	4634.1	4366.2
-35°	4589.8	4646.8	4667.3	4703.9	4667.3	4646.8	4589.8	4467.0	4293.4	4103.3	3925.8
-37.5°	4079.3	4132.4	4158.3	4179.8	4158.3	4132.4	4079.3	3988.9	3870.1	3712.6	3595.2
-40°	3920.5	3976.7	4034.4	4076.1	4034.4	3976.7	3920.5	3875.8	3779.0	3611.3	3396.3
-42.5°	4019.8	4111.7	4174.9	4183.7	4174.9	4111.7	4019.8	3926.9	3714.1	3485.4	3197.8
-45°	3703.5	3808.3	3865.4	3884.4	3865.4	3808.3	3703.5	3550.7	3281.5	2967.8	2632.2
-47.5°	2971.9	3211.4	3354.3	3385.7	3354.3	3211.4	2971.9	2695.5	2383.6	2056.5	1733.9
-50°	1803.7	1889.0	1935.9	1942.2	1935.9	1889.0	1803.7	1711.4	1616.4	1519.6	1422.4
-52.5°	1436.7	1451.9	1461.4	1466.9	1461.4	1451.9	1436.7	1418.8	1396.2	1363.0	1324.0
-55°	1383.1	1408.7	1423.2	1429.8	1423.2	1408.7	1383.1	1354.0	1320.7	1272.4	1219.3
-57.5°	1266.1	1292.0	1303.5	1306.5	1303.5	1292.0	1266.1	1236.6	1203.6	1154.4	1100.4
-60°	1140.8	1162.8	1169.7	1169.6	1169.7	1162.8	1140.8	1116.5	1089.9	1048.5	1000.4
-62.5°	1051.6	1074.6	1085.7	1091.4	1085.7	1074.6	1051.6	1027.0	1001.2	961.1	911.6
-65°	937.3	958.3	967.1	970.1	967.1	958.3	937.3	912.6	884.3	841.1	787.4
-67.5°	747.3	767.1	772.7	772.6	772.7	767.1	747.3	724.3	698.6	665.9	626.5
-70°	538.6	551.8	554.0	551.6	554.0	551.8	538.6	522.4	503.1	479.3	449.6
-72.5°	325.8	333.4	336.2	336.4	336.2	333.4	325.8	315.9	303.7	288.2	267.5
-75°	155.8	158.6	160.9	162.3	160.9	158.6	155.8	151.9	146.9	140.2	130.9
-77.5°	81.6	85.4	86.9	88.0	86.9	85.4	81.6	77.7	73.5	69.2	64.7
-80°	52.1	54.5	54.7	54.8	54.7	54.5	52.1	49.7	47.0	44.3	41.7
-82.5°	34.9	37.0	37.2	37.2	37.2	37.0	34.9	32.7	30.5	28.3	26.9
-85°	23.8	25.3	26.4	27.4	26.4	25.3	23.8	22.3	20.7	19.2	18.0
-87.5°	18.1	19.6	19.6	19.6	19.6	19.6	18.1	16.6	15.1	13.6	12.6
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.5



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	8.8	8.3	7.8	7.8	7.8	7.8	7.8	8.3	8.8	9.3	9.8
87.5°	3.0	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.3	7.8
85°	3.0	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.3	7.8
82.5°	4.6	5.0	5.3	5.4	5.5	5.7	5.9	6.4	6.9	7.4	7.8
80°	5.0	5.5	5.9	5.9	5.9	5.9	6.0	6.5	6.9	7.4	7.9
77.5°	5.0	5.5	6.0	6.1	6.2	6.2	6.2	6.5	7.0	7.5	7.9
75°	5.0	5.5	6.1	6.7	7.2	7.6	7.8	8.0	8.2	8.3	8.4
72.5°	8.6	8.9	9.1	9.2	8.7	9.1	9.6	10.0	10.1	10.0	9.6
70°	13.0	14.3	16.1	18.0	18.9	18.8	17.9	16.3	13.8	12.8	11.9
67.5°	15.2	17.0	19.9	23.3	25.5	27.2	28.5	28.9	27.3	24.4	18.0
65°	15.1	17.0	19.3	22.0	25.3	29.4	35.5	38.6	38.9	36.9	28.7
62.5°	12.7	15.0	16.5	18.4	21.0	25.4	32.4	38.8	44.9	46.7	37.5
60°	9.0	9.9	11.7	13.7	15.8	20.4	27.9	35.5	43.2	43.3	40.3
57.5°	8.0	8.4	9.8	10.8	11.6	15.5	22.1	30.7	39.1	37.9	35.8
55°	9.7	10.1	10.7	11.2	11.7	13.2	16.2	22.1	29.7	31.5	30.1
52.5°	11.6	12.1	12.7	13.2	13.4	13.2	13.2	16.7	20.1	23.2	24.3
50°	13.6	14.2	14.7	15.1	15.3	15.0	14.6	14.2	16.3	18.6	19.6
47.5°	17.9	18.6	17.5	17.3	18.6	17.6	16.9	17.1	18.1	17.4	18.4
45°	29.8	28.9	26.8	26.6	25.8	25.0	21.6	23.2	23.4	22.4	19.4
42.5°	57.3	48.7	42.3	42.8	40.2	37.6	34.3	33.7	32.5	29.8	28.0
40°	87.6	87.0	78.6	69.4	63.4	55.4	51.9	47.6	45.0	41.0	40.0
37.5°	124.7	121.4	126.8	122.1	104.6	88.9	77.9	66.6	59.3	63.1	59.9
35°	184.9	181.5	190.2	181.4	167.8	160.6	124.2	97.0	88.0	97.7	87.9
32.5°	275.4	319.0	304.8	281.3	293.4	276.2	220.3	152.1	151.2	148.8	131.8
30°	540.0	578.4	558.4	494.9	511.7	475.7	359.4	336.1	281.8	214.6	187.5
27.5°	1176.7	959.3	924.8	911.5	808.4	740.9	682.8	615.3	474.5	348.1	260.4
25°	2013.6	1691.4	1461.6	1398.6	1271.2	1077.7	1044.7	961.2	788.0	529.2	358.0
22.5°	2985.1	2540.6	2170.5	1941.3	1737.2	1501.2	1378.1	1325.6	1139.2	756.0	516.7
20°	3976.3	3385.5	2882.0	2516.1	2149.2	1867.2	1705.1	1622.2	1391.1	1031.7	682.4
17.5°	6256.6	4444.1	3689.5	3132.7	2614.5	2230.3	2074.4	1877.8	1642.3	1299.0	843.7
15°	9811.6	6856.9	5078.4	4012.8	3247.2	2821.9	2553.7	2177.8	1889.1	1535.0	1094.3
12.5°	18399.8	10974.2	6772.6	5238.3	4249.0	3556.7	3114.5	2599.8	2167.6	1858.9	1465.7
10°	27752.4	16689.7	10067.7	7015.3	5456.4	4397.0	3657.4	3027.2	2530.2	2212.7	1832.6
7.5°	39054.3	23139.5	13569.0	8723.2	6538.4	5112.9	4134.1	3390.8	2867.1	2544.0	2189.8
5°	48236.1	27808.2	15704.3	10002.3	7446.2	5784.9	4621.1	3699.3	3180.0	2854.6	2530.2
2.5°	53929.9	30317.3	16966.1	11062.7	8203.9	6349.1	5020.8	3961.7	3423.1	3056.2	2719.3
0°	55336.4	32293.9	17957.1	11095.8	8578.6	6699.0	5261.4	4191.5	3626.2	3225.3	2879.1
-2.5°	55434.6	31753.6	17745.0	10990.6	8396.0	6626.1	5268.9	4301.8	3742.1	3312.7	2937.8
-5°	51181.7	28934.6	16475.6	10613.1	8122.2	6460.0	5252.4	4402.3	3830.0	3386.0	2958.7
-7.5°	46283.5	25532.2	14851.0	10009.4	7733.2	6240.4	5227.3	4483.7	3889.9	3466.3	2986.6
-10°	37231.9	21485.2	13379.3	9491.5	7375.2	6013.1	5198.3	4509.2	3933.4	3532.0	2969.8
-12.5°	31433.4	18003.9	11590.3	8778.0	7086.8	5919.8	5173.4	4461.0	3963.1	3584.3	2905.4
-15°	23465.3	15013.6	10528.1	8248.1	6851.5	5796.1	5077.9	4319.7	3854.6	3558.0	2791.1
-17.5°	17478.5	11941.0	9016.0	7371.4	6284.2	5620.2	4882.4	4166.7	3669.3	3289.2	2501.3
-20°	11810.3	9284.9	7745.0	6479.3	5555.9	5005.1	4499.3	3899.2	3440.7	2904.9	2135.0





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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°	8759.0	7411.4	6324.7	5434.7	4819.4	4355.9	3930.6	3499.8	3157.9	2506.9	1761.2
-25°	6805.2	5860.9	5151.9	4675.5	4146.9	3717.5	3411.8	3146.9	2716.5	2091.0	1425.3
-27.5°	5460.2	4803.1	4423.3	4071.6	3661.7	3272.7	3018.6	2788.1	2272.0	1680.9	1315.1
-30°	4568.1	4274.0	3952.0	3618.0	3307.3	2994.6	2734.3	2317.0	1840.3	1363.0	1215.8
-32.5°	4086.3	3862.0	3580.3	3283.2	3020.4	2794.1	2383.3	1870.2	1433.3	1259.6	1133.6
-35°	3734.3	3504.5	3235.4	3014.8	2812.9	2465.4	2016.6	1516.8	1275.1	1164.1	1057.1
-37.5°	3411.1	3164.6	2976.8	2775.3	2476.5	2080.7	1584.7	1323.1	1185.3	1085.1	975.9
-40°	3201.4	2972.0	2676.2	2416.5	2010.5	1560.6	1362.0	1226.7	1119.0	1001.8	889.1
-42.5°	2877.3	2581.6	2226.4	1820.0	1488.3	1368.6	1253.5	1152.1	1040.4	916.7	805.8
-45°	2257.4	1892.8	1560.4	1446.6	1336.6	1251.3	1169.6	1060.9	943.9	832.8	724.0
-47.5°	1581.9	1472.7	1370.6	1300.7	1231.2	1153.4	1057.6	953.4	850.1	748.6	663.1
-50°	1355.3	1314.0	1262.6	1197.1	1116.4	1030.4	942.3	850.3	761.6	682.2	600.9
-52.5°	1276.6	1216.3	1148.3	1071.7	993.4	915.6	833.8	763.6	690.0	615.5	538.9
-55°	1161.1	1097.8	1029.3	955.7	881.1	820.5	756.1	688.4	620.0	549.0	482.5
-57.5°	1042.8	983.7	924.9	864.0	801.2	738.5	675.4	612.2	550.8	488.1	427.8
-60°	948.7	893.8	837.1	776.4	711.7	649.4	595.5	539.6	482.0	431.8	380.3
-62.5°	859.3	804.3	744.4	683.0	624.7	570.9	520.0	471.3	426.2	380.4	322.0
-65°	733.9	681.6	630.5	580.7	532.5	486.5	443.7	396.6	348.5	303.0	252.4
-67.5°	587.6	549.8	510.8	468.4	421.3	376.2	333.3	292.8	254.0	215.8	171.7
-70°	417.6	383.4	347.7	312.5	280.3	248.8	216.8	184.8	153.1	128.6	103.4
-72.5°	245.4	221.9	198.2	174.6	150.1	132.7	117.2	100.8	83.2	64.3	50.0
-75°	120.7	109.6	98.1	86.8	74.6	61.4	54.3	50.3	46.1	41.7	37.1
-77.5°	60.2	55.6	51.2	48.0	44.9	41.8	38.6	35.4	32.9	30.6	28.4
-80°	39.0	36.3	33.9	32.3	30.7	28.9	27.2	25.6	24.2	22.9	21.7
-82.5°	25.5	24.1	22.6	21.5	20.5	19.3	18.2	17.4	16.6	15.7	14.9
-85°	16.9	15.7	14.5	13.9	13.3	12.8	12.3	12.3	12.3	12.4	12.5
-87.5°	11.6	10.6	9.6	9.6	9.5	9.5	9.4	9.9	10.3	10.7	11.1
-90°	3.0	3.4	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.3	7.8





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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°	9.8	9.8	9.8	9.8	10.3	10.8	11.2	11.7	11.2	10.8	10.3
87.5°	7.8	7.8	7.8	7.8	8.3	8.8	9.3	9.8	9.8	9.8	9.8
85°	8.0	8.1	8.1	8.1	8.4	8.8	9.3	9.8	9.8	9.8	9.8
82.5°	8.3	8.8	9.1	9.2	9.2	9.3	9.5	9.8	9.9	9.8	9.8
80°	8.4	8.9	9.4	9.8	9.8	9.8	9.7	9.8	10.1	10.2	10.1
77.5°	8.4	8.9	9.4	9.8	9.8	9.8	9.8	9.9	10.3	10.5	10.5
75°	8.5	9.0	9.5	9.8	9.8	9.8	9.8	9.9	10.4	10.9	11.0
72.5°	9.4	9.4	9.6	9.8	9.8	9.8	9.8	10.0	10.5	10.9	11.4
70°	10.8	10.0	9.8	10.0	10.0	9.8	9.8	10.1	10.5	11.0	11.4
67.5°	12.7	11.5	10.6	10.3	10.4	10.3	9.9	10.1	10.6	11.0	11.5
65°	21.2	15.4	11.6	11.2	11.0	11.0	10.7	10.4	10.6	11.1	11.5
62.5°	28.8	21.0	15.7	12.7	11.5	11.4	11.6	11.0	10.8	11.2	11.6
60°	36.0	27.0	20.0	16.0	13.0	11.6	11.7	11.5	11.2	11.2	11.6
57.5°	33.3	31.3	25.4	19.5	15.4	12.7	11.7	11.7	11.5	11.4	11.7
55°	28.4	27.3	28.1	23.5	18.0	14.4	12.2	11.7	11.7	11.6	11.7
52.5°	23.1	24.5	26.6	25.7	20.8	16.0	13.5	11.7	11.7	11.7	11.7
50°	19.1	22.1	25.4	26.0	22.9	18.1	14.7	12.6	11.7	11.7	11.8
47.5°	19.1	21.7	23.9	26.6	24.6	19.8	16.0	13.5	11.7	11.7	12.0
45°	22.1	23.3	24.0	25.7	26.3	21.2	17.2	14.2	12.3	11.8	12.1
42.5°	26.9	27.4	26.7	25.3	26.2	22.2	18.0	14.9	12.9	11.9	12.3
40°	37.1	33.5	30.8	30.0	27.1	22.9	18.6	15.5	13.4	12.2	12.4
37.5°	49.3	43.2	37.7	38.6	31.1	25.0	18.9	15.7	14.0	12.8	12.5
35°	71.9	56.0	53.6	52.2	41.8	28.3	18.9	15.8	14.8	13.3	12.6
32.5°	98.9	83.1	80.5	70.1	55.5	32.7	21.0	17.2	15.7	13.9	12.8
30°	149.6	134.4	115.2	91.4	72.3	45.3	25.9	19.0	16.7	14.4	13.0
27.5°	230.5	194.7	159.0	123.4	92.5	60.6	32.1	21.1	17.8	15.0	13.4
25°	317.2	269.0	217.0	162.7	115.0	82.7	38.3	23.8	19.4	15.9	13.8
22.5°	408.7	349.1	280.8	206.5	147.4	108.8	50.4	29.0	21.4	16.8	14.2
20°	501.8	432.0	352.3	259.1	187.2	136.4	70.0	34.1	23.5	17.7	14.5
17.5°	604.3	532.8	444.6	325.5	230.5	165.4	91.5	38.9	25.7	18.7	14.9
15°	800.3	655.1	545.7	397.7	273.3	195.1	114.2	43.6	28.1	19.6	15.3
12.5°	1039.2	778.7	653.2	473.8	315.2	225.3	137.4	47.9	30.5	21.3	15.7
10°	1301.9	902.3	764.4	551.8	355.7	255.2	160.6	55.6	35.2	23.7	16.1
7.5°	1577.4	1024.7	876.5	629.3	399.2	297.4	206.0	71.2	40.2	26.1	16.5
5°	1833.5	1135.1	987.5	725.9	467.0	351.7	254.8	87.5	45.3	28.6	16.9
2.5°	1986.5	1224.8	1091.8	819.6	532.3	403.9	302.2	103.7	50.2	31.0	17.3
0°	2110.4	1308.5	1187.2	905.6	594.6	453.8	346.2	119.3	54.8	33.3	17.6
-2.5°	2135.8	1356.1	1220.3	954.4	653.0	502.5	381.7	145.0	72.8	44.2	23.4
-5°	2130.7	1398.1	1246.0	994.7	706.8	547.8	411.3	169.0	90.0	54.6	29.0
-7.5°	2124.4	1418.1	1259.4	1023.9	755.5	589.0	434.5	190.9	106.1	64.2	34.3
-10°	2078.0	1422.5	1256.1	1019.9	765.9	605.8	447.3	210.1	120.9	73.0	39.0
-12.5°	1977.0	1421.7	1247.3	1007.0	763.3	600.5	433.9	223.5	133.7	80.6	42.9
-15°	1816.1	1415.7	1233.6	985.2	752.8	591.7	418.2	232.9	144.1	87.5	46.0
-17.5°	1580.3	1404.6	1215.7	954.5	733.9	579.4	401.1	239.6	152.7	93.6	48.9
-20°	1469.4	1350.6	1190.3	914.9	706.0	563.7	383.4	243.5	159.6	98.1	51.4



REPORT NUMBER: P701588 (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°	1387.4	1261.4	1098.3	878.2	676.1	544.6	365.8	244.4	164.6	100.8	52.6
-25°	1292.4	1169.7	1000.5	810.8	651.2	516.8	356.5	242.3	167.6	101.5	52.6
-27.5°	1189.7	1072.7	907.5	743.5	614.2	491.7	352.1	244.5	168.5	100.3	51.3
-30°	1086.5	971.5	828.6	682.9	575.6	457.4	344.0	244.4	166.8	98.2	48.4
-32.5°	1007.1	879.8	754.8	638.4	535.3	422.6	324.7	241.6	162.2	94.8	46.4
-35°	932.6	805.4	685.4	592.9	494.9	393.4	302.2	236.0	154.8	89.4	43.8
-37.5°	854.9	737.7	635.1	547.8	455.1	362.0	283.9	218.5	144.4	81.8	40.2
-40°	780.0	675.5	587.3	505.1	417.4	328.3	263.9	198.5	133.2	72.1	35.3
-42.5°	704.9	621.3	540.1	463.0	378.3	304.0	241.9	177.1	117.3	63.7	29.2
-45°	644.1	565.9	491.1	417.1	339.3	278.2	216.8	154.8	99.6	55.4	24.7
-47.5°	581.5	509.8	441.6	371.1	308.9	250.2	190.4	133.4	80.6	45.5	23.2
-50°	518.4	455.2	393.4	333.1	276.7	219.7	163.1	110.4	67.2	33.8	21.5
-52.5°	466.1	405.7	350.1	296.5	242.3	188.0	135.7	86.8	52.8	28.2	19.4
-55°	418.0	359.3	308.8	257.7	206.2	155.4	106.8	69.2	37.4	25.2	17.2
-57.5°	372.3	314.6	265.3	217.0	168.0	121.1	82.2	50.6	30.7	21.9	17.0
-60°	325.2	268.3	219.9	172.8	127.4	89.8	59.9	35.6	26.4	18.9	16.6
-62.5°	267.7	216.7	168.2	125.3	91.2	62.8	39.5	30.1	21.7	18.2	16.2
-65°	202.1	155.7	114.4	86.1	59.4	40.1	32.4	24.2	19.7	17.3	15.6
-67.5°	130.2	101.0	73.6	49.2	39.0	32.3	25.1	21.0	18.4	16.3	15.1
-70°	77.8	53.8	42.5	36.8	30.8	25.1	21.9	19.1	16.9	15.5	14.5
-72.5°	44.2	38.6	33.3	28.4	25.2	22.1	19.3	17.1	15.8	14.7	13.9
-75°	32.4	29.5	26.9	24.3	21.6	19.1	17.2	15.6	14.6	13.8	13.3
-77.5°	26.2	24.1	22.1	20.4	18.5	16.9	15.3	14.1	13.5	13.1	12.7
-80°	20.3	19.1	18.1	17.2	15.8	14.6	13.7	13.1	12.7	12.4	12.1
-82.5°	14.4	14.5	14.6	14.5	13.8	13.1	12.6	12.2	12.0	11.7	11.6
-85°	12.6	12.5	12.4	12.3	12.0	11.7	11.7	11.7	11.6	11.4	11.1
-87.5°	11.1	11.0	11.0	10.9	11.0	11.2	11.4	11.7	11.4	11.1	10.7
-90°	7.8	7.8	7.8	7.8	8.3	8.8	9.3	9.8	9.8	9.8	9.8



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.8	9.8	9.8	9.8	9.8	9.8	9.8
87.5°	9.8	9.9	10.0	10.0	10.0	9.8	9.8
85°	9.8	10.0	10.1	10.2	10.1	9.9	9.8
82.5°	9.8	10.1	10.3	10.4	10.3	9.9	9.8
80°	9.9	10.2	10.5	10.6	10.4	10.0	9.8
77.5°	10.4	10.4	10.7	10.7	10.6	10.0	9.8
75°	10.9	10.7	10.8	10.9	10.7	10.0	9.8
72.5°	11.3	11.0	11.0	11.1	10.9	10.1	9.8
70°	11.7	11.3	11.2	11.3	11.0	10.1	9.8
67.5°	11.7	11.6	11.3	11.4	11.1	10.1	9.8
65°	11.7	11.7	11.5	11.4	11.3	10.2	9.8
62.5°	11.7	11.7	11.6	11.5	11.4	10.2	9.8
60°	11.7	11.7	11.7	11.6	11.4	10.2	9.8
57.5°	11.7	11.7	11.7	11.6	11.4	10.2	9.8
55°	11.7	11.7	11.7	11.6	11.4	10.2	9.8
52.5°	11.7	11.7	11.7	11.7	11.4	10.3	9.8
50°	11.7	11.7	11.7	11.7	11.4	10.3	9.8
47.5°	11.7	11.7	11.7	11.7	11.4	10.3	9.8
45°	11.9	11.7	11.7	11.7	11.4	10.3	9.8
42.5°	12.1	11.7	11.7	11.7	11.4	10.3	9.8
40°	12.3	11.7	11.7	11.7	11.4	10.3	9.8
37.5°	12.5	11.7	11.7	11.7	11.4	10.3	9.8
35°	12.8	11.8	11.7	11.7	11.4	10.2	9.8
32.5°	13.1	12.0	11.7	11.7	11.4	10.2	9.8
30°	13.2	12.3	11.7	11.7	11.4	10.2	9.8
27.5°	13.3	12.5	11.7	11.7	11.5	10.2	9.8
25°	13.4	12.7	11.7	11.7	11.5	10.2	9.8
22.5°	13.5	12.9	11.7	11.7	11.5	10.1	9.8
20°	13.7	13.1	11.7	11.7	11.5	10.1	9.8
17.5°	13.8	13.2	11.7	11.7	11.6	10.1	9.8
15°	14.0	13.4	11.7	11.7	11.6	10.0	9.8
12.5°	14.2	13.5	11.7	11.7	11.6	10.0	9.8
10°	14.5	13.5	11.7	11.7	11.7	10.0	9.8
7.5°	14.8	13.6	11.7	11.7	11.7	9.9	9.8
5°	15.1	13.7	11.7	11.7	11.7	9.9	9.8
2.5°	15.3	13.7	11.7	11.7	11.7	9.8	9.8
0°	15.6	13.7	11.7	11.7	11.7	9.8	9.8
-2.5°	17.2	13.7	11.7	11.7	11.7	9.8	9.8
-5°	18.6	13.7	11.7	11.7	11.7	9.8	9.8
-7.5°	20.0	13.6	11.7	11.7	11.7	9.8	9.8
-10°	21.1	13.5	11.7	11.7	11.6	9.8	9.8
-12.5°	22.0	13.5	11.7	11.7	11.6	9.8	9.8
-15°	22.6	13.4	11.7	11.7	11.6	9.8	9.8
-17.5°	22.8	13.2	11.7	11.7	11.5	9.8	9.8
-20°	23.2	13.1	11.7	11.7	11.5	9.8	9.8



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-3S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	23.9	12.9	11.7	11.7	11.4	9.8	9.8
-25°	23.9	13.1	11.7	11.7	11.3	9.8	9.8
-27.5°	23.2	13.4	11.7	11.7	11.3	9.8	9.8
-30°	21.9	13.5	11.7	11.7	11.2	9.8	9.8
-32.5°	19.7	13.5	11.9	11.7	11.1	9.8	9.8
-35°	18.9	13.4	12.0	11.7	11.0	9.8	9.8
-37.5°	18.8	13.3	12.2	11.7	10.9	9.8	9.8
-40°	18.3	13.4	12.3	11.7	10.8	9.8	9.8
-42.5°	17.6	13.5	12.4	11.7	10.7	9.8	9.8
-45°	16.7	13.6	12.5	11.8	10.6	9.8	9.8
-47.5°	15.6	13.7	12.5	11.8	10.5	9.8	9.8
-50°	15.4	13.7	12.5	11.7	10.3	9.8	9.8
-52.5°	15.3	13.7	12.5	11.6	10.2	9.8	9.8
-55°	15.2	13.6	12.5	11.4	10.1	9.8	9.8
-57.5°	15.0	13.5	12.5	11.2	9.9	9.8	9.8
-60°	14.8	13.4	12.4	11.0	9.8	9.8	9.8
-62.5°	14.6	13.3	12.2	10.8	9.8	9.8	9.8
-65°	14.3	13.1	11.9	10.7	9.8	9.8	9.8
-67.5°	13.9	12.8	11.6	10.4	9.8	9.8	9.8
-70°	13.6	12.5	11.3	10.2	9.8	9.8	9.8
-72.5°	13.1	12.1	11.0	10.2	9.8	9.8	9.8
-75°	12.7	11.7	10.7	10.1	9.8	9.8	9.8
-77.5°	12.2	11.3	10.6	10.1	9.8	9.8	9.8
-80°	11.7	11.0	10.4	10.0	9.8	9.8	9.8
-82.5°	11.3	10.7	10.3	10.0	9.8	9.8	9.8
-85°	10.8	10.4	10.1	9.9	9.8	9.8	9.8
-87.5°	10.3	10.1	10.0	9.9	9.8	9.8	9.8
-90°	9.8	9.8	9.8	9.8	9.8	9.8	9.8

(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

