

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: P701567 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-70-4S-CV1-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701567 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0640L-57-70-4S-CV1-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

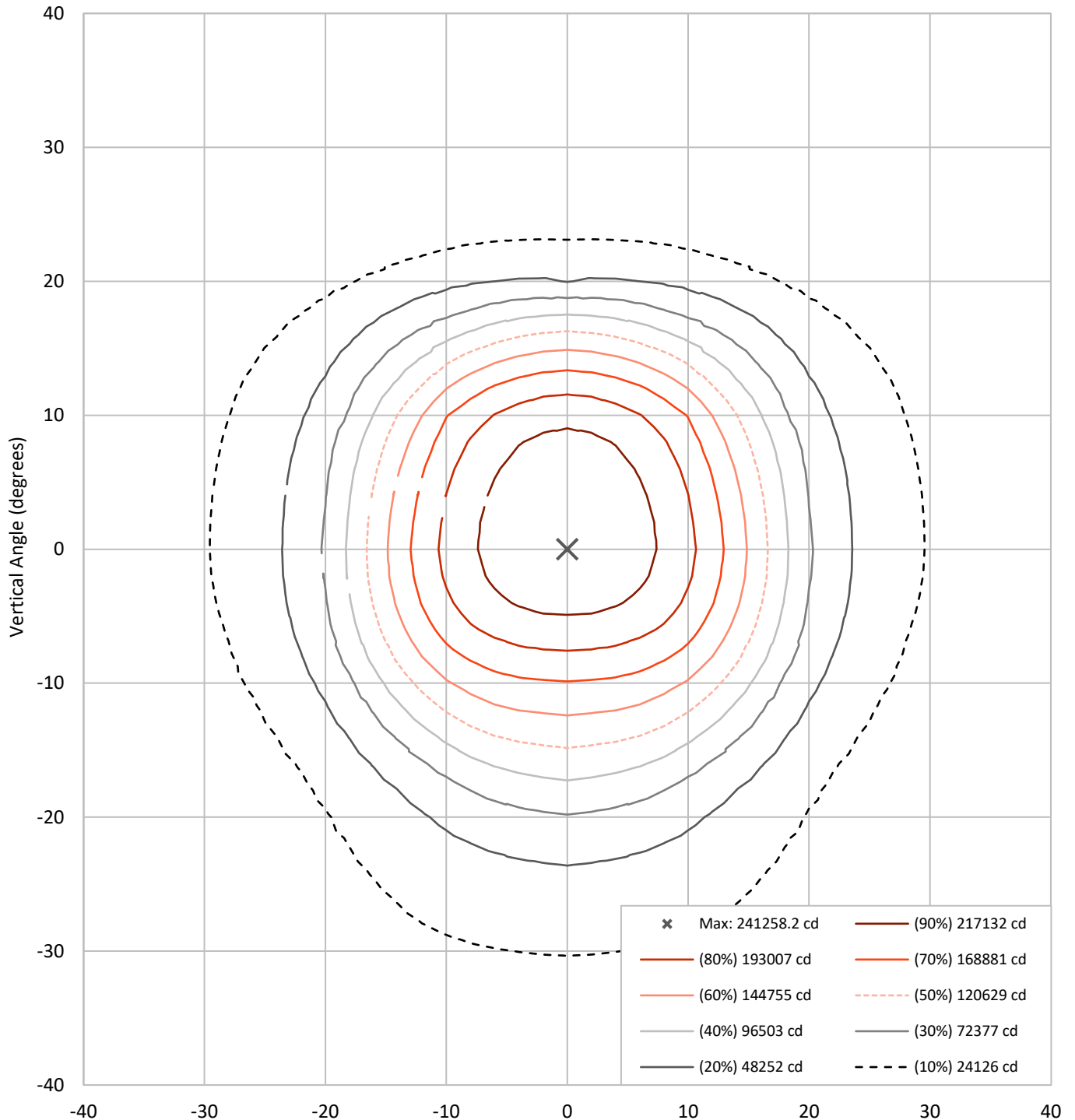
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	82201.7 lumens	Max Intensity:	241258.2 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%):	33.1°H x 31.1°V	Field Angle (10%):	59.1°H x 53.4°V
Beam Lumens:	44926.4 lumens	Field Lumens:	72391.1 lumens
Beam Efficiency:	54.7%	Field Efficiency:	88.1%

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





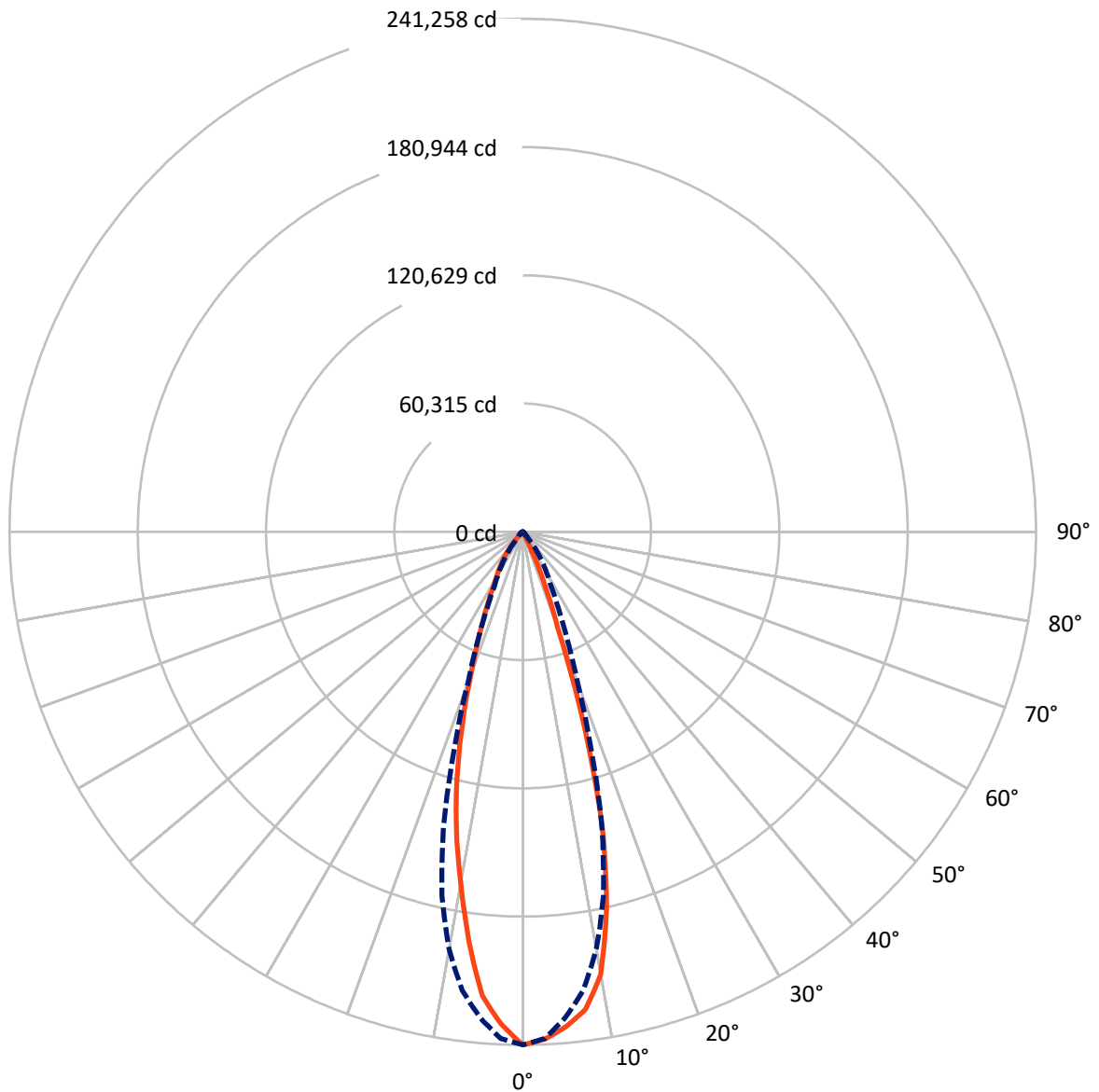
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### Lumen Table

90	0.1		0.2		0.4		0.4		0.4		0.4		0.2		0.1	
80	0.1		0.2		0.4		0.4		0.4		0.4		0.2		0.1	
70	0.1	0.1	0.1	0.4	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.4	0.1	0.1	0.1
60		0.1	0.3	0.8	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.8	0.8	0.3	0.1	
50	0.1	0.1	0.4	0.6	0.7	0.8	0.9	0.9	0.9	0.9	0.8	0.7	0.6	0.4	0.1	0.1
40		0.2	0.9	2.4	4.4	7.7	11.8	14.5	14.5	11.8	7.7	4.4	2.4	0.9	0.2	
30	0.1	0.5	4.0	12.3	48.8	152.4	305.1	495.3	495.3	305.1	152.4	48.8	12.3	4.0	0.5	0.1
20		1.2	9.1	29.8	201.6	688.8	2055.6	3832.3	3832.3	2055.6	688.8	201.6	29.8	9.1	1.2	
10	0.2	2.0	12.6	42.6	314.2	1119.1	3837.5	6572.9	6572.9	3837.5	1119.1	314.2	42.6	12.6	2.0	0.2
0		2.6	13.4	43.8	310.2	1079.5	3714.4	6118.2	6118.2	3714.4	1079.5	310.2	43.8	13.4	2.6	
-10	0.5	3.1	12.8	33.7	184.4	609.9	1874.4	3341.3	3341.3	1874.4	609.9	184.4	33.7	12.8	3.1	0.5
-20		3.2	12.3	26.0	86.8	330.7	761.7	1215.2	1215.2	761.7	330.7	86.8	26.0	12.3	3.2	
-30	0.4	2.6	11.1	22.2	42.8	122.8	307.6	467.2	467.2	307.6	122.8	42.8	22.2	11.1	2.6	0.4
-40		1.7	8.0	19.0	32.0	48.9	74.4	100.9	100.9	74.4	48.9	32.0	19.0	8.0	1.7	
-50	0.2	0.9	4.2	12.4	24.1	34.7	44.6	51.0	51.0	44.6	34.7	24.1	12.4	4.2	0.9	0.2
-60		0.3	1.5	4.4	9.6	16.1	22.7	26.4	26.4	22.7	16.1	9.6	4.4	1.5	0.3	
-70	0.1	0.1	0.1	0.4	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.4	0.1	0.1	0.1
-80		0.1	0.3	0.8	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.8	0.8	0.3	0.1	
-90	0.1		0.8		3.1		7.7		10.3		7.7		3.1		0.8	

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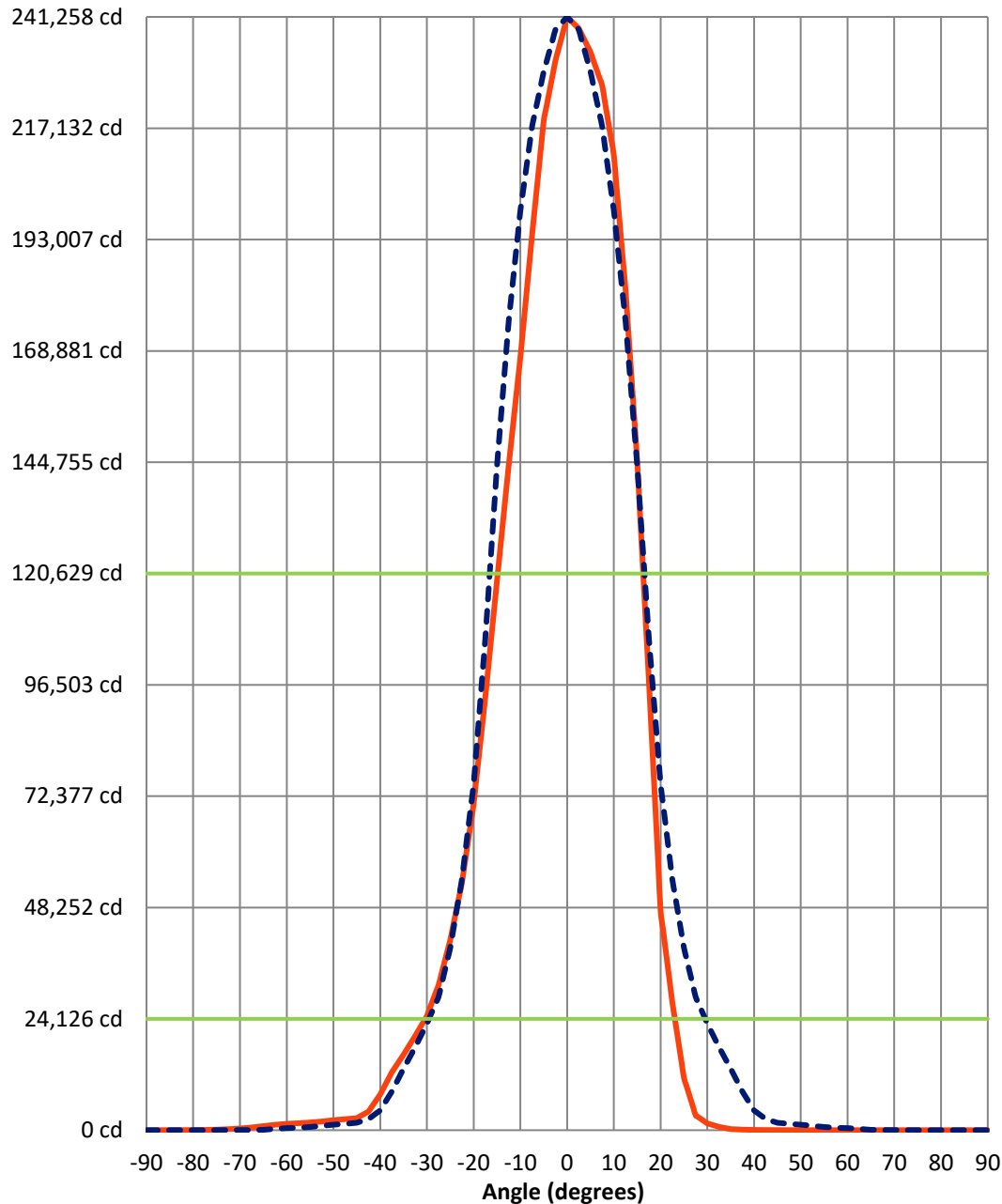
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 33.1°  
 V Angle: 31.1°  
 Lumens: 44926.4  
 Efficiency: 54.7%

**Field:**  
 H Angle: 59.1°  
 V Angle: 53.4°  
 Lumens: 72391.1  
 Efficiency: 88.1%

**Spill:**  
 Lumens: 9810.6  
 Efficiency: 11.9%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
87.5°	4.2	3.2	2.3	2.3	2.3	2.2	2.1	2.1	2.1	2.1	2.1
85°	4.2	3.2	2.5	2.5	2.5	2.3	2.1	2.1	2.1	2.1	2.1
82.5°	4.2	3.3	2.7	2.7	2.7	2.5	2.1	2.1	2.1	2.2	2.1
80°	4.2	3.3	2.8	2.9	2.8	2.6	2.2	2.4	2.5	2.4	2.1
77.5°	4.2	3.4	3.0	3.1	3.0	2.8	2.7	2.9	2.9	2.7	2.4
75°	4.2	3.4	3.2	3.4	3.2	3.1	3.3	3.4	3.3	3.2	3.3
72.5°	4.2	3.5	3.4	3.6	3.4	3.5	3.8	3.9	3.6	3.7	4.1
70°	4.2	3.6	3.6	3.8	3.6	3.8	4.2	4.0	3.9	4.2	4.2
67.5°	4.2	3.6	3.7	3.9	3.8	4.1	4.2	4.1	4.2	4.2	4.2
65°	4.2	3.7	3.9	3.9	3.9	4.2	4.2	4.2	4.2	4.2	4.2
62.5°	4.2	3.7	4.1	4.0	4.1	4.2	4.2	4.2	4.2	4.2	4.2
60°	4.2	3.7	4.2	4.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2
57.5°	4.2	3.8	4.2	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2
55°	4.2	3.8	4.2	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2
52.5°	4.2	3.9	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
50°	4.2	3.9	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.5
47.5°	4.2	3.9	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	6.8
45°	4.2	4.0	4.2	4.2	4.2	4.2	4.2	4.2	4.3	5.3	8.1
42.5°	4.2	4.0	4.2	4.2	4.2	4.2	4.2	4.3	4.4	6.5	9.8
40°	4.2	4.0	4.2	4.2	4.2	4.2	4.2	4.4	4.9	7.6	11.6
37.5°	4.2	4.1	4.2	4.2	4.2	4.2	4.2	4.7	5.9	8.9	13.4
35°	4.2	4.1	4.2	4.2	4.2	4.2	4.2	4.9	7.0	10.6	15.0
32.5°	4.2	4.1	4.2	4.2	4.2	4.2	4.3	5.2	7.9	12.2	16.6
30°	4.2	4.1	4.2	4.2	4.2	4.2	4.5	5.6	8.8	13.7	18.4
27.5°	4.2	4.1	4.2	4.2	4.2	4.2	4.7	6.4	9.9	15.1	20.5
25°	4.2	4.2	4.2	4.2	4.2	4.2	5.0	7.1	11.0	16.7	23.0
22.5°	4.2	4.2	4.2	4.2	4.2	4.2	5.2	7.8	12.1	18.4	27.8
20°	4.2	4.2	4.2	4.2	4.2	4.4	5.5	8.4	13.1	20.3	33.2
17.5°	4.2	4.2	4.2	4.2	4.2	4.6	5.9	8.9	14.0	22.3	38.8
15°	4.2	4.2	4.2	4.2	4.2	4.8	6.3	9.6	14.8	24.3	44.6
12.5°	4.2	4.2	4.2	4.2	4.2	5.0	6.7	10.5	16.2	26.3	50.5
10°	4.2	4.2	4.2	4.2	4.2	5.3	7.0	11.4	18.1	29.8	56.7
7.5°	4.2	4.2	4.2	4.2	4.2	5.5	7.4	12.3	19.9	33.6	63.1
5°	4.2	4.2	4.2	4.2	4.2	5.8	7.7	13.1	21.7	37.2	69.1
2.5°	4.2	4.2	4.2	4.2	4.2	6.1	8.0	13.9	23.4	40.6	74.5
0°	4.2	4.2	4.2	4.2	4.2	6.3	8.3	14.6	25.0	43.8	79.2
-2.5°	4.2	4.2	4.2	4.2	4.4	7.0	10.2	18.5	33.6	59.1	102.1
-5°	4.2	4.2	4.2	4.2	4.6	7.6	12.1	22.2	41.8	73.7	123.8
-7.5°	4.2	4.2	4.2	4.2	4.7	8.2	13.9	25.7	49.4	87.3	144.0
-10°	4.2	4.2	4.2	4.2	4.9	8.7	15.5	28.9	56.2	99.6	162.3
-12.5°	4.2	4.2	4.2	4.2	5.0	9.2	16.9	31.7	62.0	110.1	178.4
-15°	4.2	4.2	4.2	4.2	5.1	9.5	18.1	34.0	66.7	118.2	191.7
-17.5°	4.2	4.2	4.2	4.2	5.2	9.8	19.0	36.2	70.3	124.3	201.5
-20°	4.2	4.2	4.2	4.2	5.3	9.9	19.8	38.2	72.6	128.1	207.5



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 CATALOG NUMBER: EPH-LS-08-0640L-57-70-4S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.2	4.2	4.2	4.2	5.3	10.0	20.5	39.4	73.4	129.4	209.4
-25°	4.2	4.2	4.2	4.2	5.3	10.0	20.8	40.0	72.6	128.2	206.8
-27.5°	4.2	4.2	4.2	4.2	5.3	10.0	20.8	39.8	70.2	125.4	204.9
-30°	4.2	4.2	4.2	4.2	5.2	9.8	20.2	38.7	68.6	122.4	199.6
-32.5°	4.2	4.2	4.2	4.2	5.3	9.5	19.2	37.9	67.2	117.1	190.7
-35°	4.2	4.2	4.2	4.2	5.3	8.9	18.5	36.6	64.8	109.5	177.9
-37.5°	4.2	4.2	4.2	4.2	5.3	8.4	17.7	34.7	61.1	99.5	162.1
-40°	4.2	4.2	4.2	4.2	5.2	8.4	16.7	32.0	56.2	92.3	146.2
-42.5°	4.2	4.2	4.2	4.2	5.3	8.3	15.4	28.6	51.7	84.2	127.9
-45°	4.2	4.2	4.2	4.3	5.4	8.1	13.7	25.5	47.0	74.9	108.9
-47.5°	4.2	4.2	4.2	4.3	5.4	7.9	11.8	23.1	41.3	64.7	97.3
-50°	4.2	4.2	4.2	4.3	5.4	7.7	11.2	20.4	34.2	56.4	84.6
-52.5°	4.2	4.2	4.2	4.4	5.3	7.4	10.8	17.2	28.9	47.1	71.2
-55°	4.2	4.2	4.2	4.4	5.3	7.2	10.3	14.1	24.5	36.9	59.3
-57.5°	4.2	4.2	4.2	4.4	5.1	6.9	9.7	13.3	19.9	30.4	46.3
-60°	4.2	4.2	4.2	4.4	5.0	6.6	9.1	12.5	15.9	24.8	34.9
-62.5°	4.2	4.2	4.2	4.3	4.9	6.2	8.5	11.5	14.6	19.1	28.4
-65°	4.2	4.2	4.2	4.3	4.8	5.8	7.8	10.5	13.3	16.6	21.6
-67.5°	4.2	4.2	4.2	4.3	4.7	5.4	7.1	9.5	11.9	14.9	18.1
-70°	4.2	4.2	4.2	4.2	4.5	5.2	6.2	8.4	10.7	13.1	16.0
-72.5°	4.2	4.2	4.2	4.2	4.4	4.9	5.7	7.3	9.5	11.7	13.8
-75°	4.2	4.2	4.2	4.2	4.2	4.6	5.3	6.6	8.2	10.2	12.2
-77.5°	4.2	4.2	4.2	4.2	4.2	4.3	4.8	5.9	7.3	8.8	10.6
-80°	4.2	4.2	4.2	4.2	4.2	4.2	4.3	5.2	6.3	7.6	9.0
-82.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.6	5.3	6.3	7.3
-85°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.5	4.9	5.4	6.0
-87.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.4	4.6	4.8	5.1
-90°	4.2	3.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1





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 CATALOG NUMBER: EPH-LS-08-0640L-57-70-4S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.5	2.7	2.9
80°	2.1	2.1	2.2	2.1	2.3	2.6	3.1	3.7	4.1	4.2	4.2
77.5°	2.6	2.7	2.5	2.2	2.5	3.0	3.5	4.1	4.2	4.2	4.2
75°	3.4	3.3	2.8	2.3	2.4	2.9	3.5	4.0	4.2	4.2	4.2
72.5°	3.9	3.4	2.9	2.4	2.8	3.5	3.9	4.2	5.2	6.4	7.2
70°	4.0	3.5	3.3	3.4	3.8	4.6	6.4	8.7	10.9	11.8	12.6
67.5°	4.1	3.8	3.9	4.4	5.8	7.9	10.5	13.7	17.0	18.2	19.4
65°	4.2	4.1	4.7	6.1	8.1	11.3	14.9	18.7	24.4	27.2	28.6
62.5°	4.2	4.5	5.6	7.8	11.2	15.0	19.8	26.0	33.5	38.4	38.2
60°	4.2	4.7	7.0	10.4	14.2	18.7	24.9	33.5	44.2	51.8	46.7
57.5°	4.2	5.6	9.0	12.8	17.0	21.9	30.5	41.1	50.9	61.2	52.4
55°	4.8	7.1	10.8	14.9	19.8	25.8	34.2	42.6	53.2	57.1	47.8
52.5°	6.4	8.7	12.3	17.1	23.1	27.9	32.5	39.9	44.0	45.8	39.3
50°	7.9	10.5	13.9	19.7	24.9	27.5	28.2	32.8	34.7	33.0	30.0
47.5°	9.7	12.4	15.9	21.6	25.1	26.3	25.3	26.2	26.1	25.7	21.7
45°	11.5	14.7	18.4	22.2	24.8	24.5	24.1	21.1	24.0	23.2	21.3
42.5°	13.5	16.9	20.5	23.1	23.7	25.0	24.8	25.7	25.8	27.0	29.2
40°	15.3	18.9	23.0	24.8	24.2	28.0	33.6	36.5	32.8	39.6	45.4
37.5°	16.9	21.5	26.8	31.0	28.6	37.1	46.2	60.9	63.0	58.5	74.8
35°	18.3	24.4	35.6	45.4	47.9	51.9	77.6	100.9	115.4	107.0	119.3
32.5°	20.5	27.6	47.5	69.1	86.2	91.0	118.0	167.1	195.6	200.5	192.4
30°	24.0	38.8	65.5	99.0	137.2	171.6	195.2	251.3	298.0	349.0	379.3
27.5°	29.4	53.2	94.1	146.1	203.8	267.9	321.2	364.4	449.9	536.8	611.3
25°	35.6	82.7	127.0	205.0	296.7	385.2	459.4	525.6	638.3	773.7	1000.3
22.5°	51.1	120.5	181.8	271.2	400.0	512.1	612.1	715.0	852.6	1035.1	1509.1
20°	78.7	167.8	244.2	339.5	506.6	644.3	771.2	900.8	1073.1	1455.3	2495.1
17.5°	110.4	217.1	304.3	414.7	586.0	761.2	935.4	1078.0	1286.8	1850.8	3580.8
15°	145.4	267.9	358.6	483.5	661.3	851.9	1046.5	1250.8	1569.0	2377.9	4611.3
12.5°	182.3	319.2	407.5	546.0	732.0	938.1	1135.7	1356.8	1823.8	3177.5	5922.5
10°	220.0	370.3	451.6	602.1	797.6	1019.1	1215.2	1446.2	2023.4	3689.3	6838.1
7.5°	244.1	406.5	487.6	652.0	857.5	1093.8	1285.6	1519.8	2192.6	4014.2	7478.1
5°	262.3	425.1	499.5	674.5	896.9	1148.3	1340.1	1578.9	2328.9	4173.1	7920.4
2.5°	276.1	439.6	509.1	688.0	920.9	1173.8	1356.4	1601.1	2385.4	4269.1	8226.8
0°	285.5	450.1	516.7	695.9	937.6	1189.8	1364.8	1612.7	2394.1	4296.5	8376.2
-2.5°	301.1	458.4	532.3	710.0	946.5	1194.9	1371.8	1621.8	2429.1	4425.0	8604.5
-5°	312.6	463.2	545.5	718.7	947.7	1191.2	1371.8	1619.7	2408.8	4380.3	8316.4
-7.5°	320.4	465.3	555.9	721.6	935.2	1165.1	1343.8	1573.5	2282.5	4098.6	7534.3
-10°	326.0	472.0	569.1	717.2	907.5	1122.6	1304.4	1517.4	2119.6	3702.8	6628.0
-12.5°	334.8	483.1	582.0	710.7	878.5	1074.0	1258.6	1452.3	1922.2	3193.0	5603.6
-15°	339.2	492.2	593.9	703.3	850.1	1020.0	1206.8	1378.9	1701.0	2578.0	4466.3
-17.5°	339.3	499.8	605.3	695.7	823.8	961.3	1154.9	1325.7	1545.0	2199.7	3673.5
-20°	335.0	506.2	616.3	688.8	802.1	924.9	1112.6	1288.1	1481.3	1916.5	2886.9



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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°	326.4	511.7	623.3	694.3	794.1	909.8	1064.2	1243.3	1415.1	1614.0	2286.4
-25°	320.7	498.0	624.2	699.9	785.7	893.7	1011.9	1190.4	1353.2	1544.7	1970.2
-27.5°	316.9	479.2	612.8	701.2	775.3	877.9	981.8	1128.3	1305.9	1483.8	1678.3
-30°	307.1	444.9	597.0	694.8	771.1	863.5	961.4	1071.7	1251.5	1424.0	1603.1
-32.5°	287.6	409.0	561.8	673.8	764.2	847.5	940.6	1040.0	1182.2	1360.2	1524.7
-35°	265.0	381.1	518.4	647.6	750.6	831.7	916.8	1010.7	1115.3	1277.0	1460.0
-37.5°	243.9	348.7	473.8	608.9	717.0	815.2	889.4	978.4	1075.7	1187.1	1369.8
-40°	219.0	311.9	432.0	559.1	680.4	788.1	871.7	943.0	1032.8	1146.3	1259.6
-42.5°	191.2	280.0	386.9	508.0	628.2	742.9	851.1	920.7	1000.2	1105.9	1214.4
-45°	168.3	243.9	338.7	450.8	566.4	686.1	796.1	904.7	980.8	1065.7	1168.7
-47.5°	142.7	206.6	293.4	389.0	499.2	612.9	730.7	843.6	959.8	1041.0	1121.8
-50°	118.1	174.9	243.1	331.1	427.1	534.3	645.1	769.2	886.1	999.3	1093.1
-52.5°	102.6	140.3	201.5	272.4	357.9	451.1	556.9	671.5	792.1	912.3	1015.3
-55°	85.8	117.6	159.7	220.4	290.1	372.1	463.0	567.9	677.3	792.4	901.4
-57.5°	69.7	97.1	128.4	170.9	229.9	294.4	373.3	459.8	557.9	659.9	750.9
-60°	53.5	76.8	103.6	134.4	171.9	227.2	283.8	355.2	436.9	519.2	598.7
-62.5°	38.0	56.9	79.4	104.8	134.3	164.3	209.4	261.6	315.8	382.6	448.5
-65°	30.4	39.4	56.0	77.2	99.8	125.7	152.5	180.0	224.2	268.3	310.6
-67.5°	22.4	30.4	38.8	49.9	69.2	88.5	109.4	133.3	157.4	179.9	206.8
-70°	19.0	21.9	28.3	36.0	43.5	52.6	69.4	87.5	106.1	123.8	142.6
-72.5°	16.4	19.1	21.7	24.3	30.2	35.9	41.2	46.0	56.7	71.4	85.7
-75°	14.1	16.2	18.6	21.0	22.9	24.7	27.0	31.5	35.9	40.2	44.2
-77.5°	11.9	13.3	15.2	17.3	19.0	20.2	21.6	23.1	25.0	27.2	29.5
-80°	9.7	10.4	11.4	12.8	14.2	15.6	16.7	17.7	18.8	20.3	21.9
-82.5°	7.9	8.3	8.8	9.2	10.1	11.0	12.1	13.2	13.9	14.6	15.4
-85°	6.1	6.3	6.6	6.9	7.3	7.8	8.3	8.9	9.5	10.1	10.5
-87.5°	5.2	5.2	5.3	5.4	5.5	5.5	5.6	5.7	6.1	6.6	7.1
-90°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.2	4.7	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.3	8.3
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	3.1	3.0	2.8	2.5	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	4.2	3.9	3.7	3.5	3.4	3.2	2.9	2.6	2.1	2.1	2.1
77.5°	4.2	4.2	4.2	4.2	4.2	3.8	3.2	2.7	2.2	2.1	2.1
75°	4.2	4.3	4.6	4.6	4.3	4.0	3.9	3.8	3.8	3.5	3.1
72.5°	7.5	7.3	7.0	7.0	6.7	6.7	6.8	6.5	6.0	5.9	6.0
70°	13.3	13.7	13.7	13.2	11.9	10.7	9.9	9.0	8.1	7.6	7.3
67.5°	20.6	20.7	19.6	17.7	14.8	12.1	11.0	9.9	8.8	8.5	8.9
65°	28.5	25.9	22.8	19.4	15.7	12.3	11.4	10.7	10.1	10.1	10.9
62.5°	35.2	28.4	22.8	18.9	15.5	12.3	11.3	10.4	9.5	8.9	8.8
60°	38.9	28.5	20.5	17.0	13.8	10.9	9.6	8.9	8.5	8.3	8.3
57.5°	38.9	27.0	17.9	14.7	11.8	9.3	8.3	8.3	8.3	8.3	8.3
55°	34.6	23.6	15.3	12.6	10.7	9.1	8.4	8.6	8.6	8.3	8.8
52.5°	27.1	19.5	14.2	11.8	11.0	10.5	10.2	10.1	9.9	9.7	10.0
50°	21.5	16.2	13.7	12.3	12.3	12.3	12.3	12.5	12.8	12.9	13.1
47.5°	18.0	15.2	15.5	14.3	14.8	16.1	16.4	16.6	17.2	17.3	16.9
45°	18.5	21.5	22.1	21.8	21.5	24.5	24.3	22.3	25.0	25.8	25.2
42.5°	30.7	33.2	34.9	36.5	38.3	40.6	41.9	41.2	43.5	43.5	40.7
40°	51.8	49.3	53.3	58.1	62.3	63.9	67.8	71.9	73.4	72.5	69.8
37.5°	84.9	81.2	81.6	92.2	101.9	90.4	107.3	114.1	109.9	125.0	128.1
35°	141.0	156.0	134.5	172.4	191.3	182.0	202.3	242.5	211.4	268.3	282.2
32.5°	250.7	286.6	309.1	341.2	388.3	450.4	466.0	565.0	596.6	642.5	691.9
30°	409.7	511.0	697.4	732.1	777.1	991.0	1049.8	1103.6	1216.2	1303.0	1450.5
27.5°	744.6	1017.5	1407.3	1750.5	1725.3	2087.2	2489.8	2038.9	2708.0	2439.6	3081.4
25°	1394.4	1996.0	2935.9	3845.2	4279.2	5016.6	5938.7	5764.1	6980.8	7065.3	8859.9
22.5°	2652.0	3959.3	5396.3	6942.1	8441.7	10101.3	11696.0	13367.8	15881.2	19354.0	22729.1
20°	4339.1	6261.1	8582.0	10975.6	13513.8	16094.7	19093.3	24171.3	29377.8	36604.9	41710.6
17.5°	6167.2	9226.2	12075.3	15040.8	18589.2	22879.3	29082.0	37758.6	48283.0	59086.4	67443.9
15°	7764.0	11224.5	15331.3	19284.8	23697.2	30136.9	39878.9	52730.7	68381.7	84805.2	104665.1
12.5°	9309.1	12923.7	17386.6	22387.3	28383.3	37600.4	50228.3	67596.2	88330.0	113009.5	138517.2
10°	10508.1	14474.3	19441.5	25073.0	32391.4	43711.9	58386.3	78891.6	109615.8	138749.8	167877.7
7.5°	11445.1	15906.8	21168.4	27078.8	35600.1	48346.9	65903.7	91716.1	124178.8	155700.8	182529.8
5°	12277.9	17084.8	22338.3	28209.3	37910.0	51719.4	70625.6	100104.4	134746.4	165726.5	191256.6
2.5°	12933.9	17855.0	22981.0	28775.6	39397.0	53581.1	73115.8	104606.1	141558.1	172143.6	196521.4
0°	13331.1	17992.2	23088.8	28895.9	39509.9	54424.6	75058.9	106576.0	143987.7	175284.0	199260.4
-2.5°	13188.8	17684.7	22739.4	28542.5	39137.3	53634.1	73495.9	105577.9	141928.9	171209.4	195323.4
-5°	12479.8	16678.2	21371.9	26831.9	36665.2	50631.0	69065.3	98320.4	132488.9	161719.7	184411.1
-7.5°	11362.1	15271.6	19580.8	24635.5	33139.0	45758.9	62557.4	87453.3	118471.6	145442.8	165920.5
-10°	10111.6	13640.9	17374.5	21851.5	28498.4	39210.6	53238.5	72248.4	98850.9	123101.2	142463.2
-12.5°	8608.5	11544.8	14683.3	18544.2	23582.1	32315.1	44109.2	59530.1	78026.8	99606.3	117233.4
-15°	7046.4	9514.9	12112.7	15734.2	20030.9	25593.9	34071.6	46331.0	60060.8	74799.9	90793.2
-17.5°	5658.5	7748.4	10502.8	13553.1	16827.9	20699.0	27708.6	36063.5	45999.8	56512.8	66165.1
-20°	4545.5	6762.1	9236.5	11889.2	14898.2	18620.6	22926.7	29274.2	36642.7	44713.0	52445.3



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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°	3739.2	5727.0	8024.8	10513.0	13557.2	16908.3	20395.6	24379.3	29667.2	35871.7	41811.8
-25°	2847.9	4509.1	6738.1	9247.5	12051.8	15007.1	17837.7	21085.1	24950.9	28987.9	33147.3
-27.5°	2257.4	3430.0	5260.2	7616.8	10211.6	12525.3	14950.6	17654.5	21035.2	24547.5	26861.8
-30°	1842.4	2529.0	3902.9	5744.1	7912.7	9954.6	11945.9	14376.0	17029.9	19550.7	21596.6
-32.5°	1721.1	2028.3	2739.2	4051.4	5680.2	7502.7	9290.3	11459.6	13519.4	15514.2	17273.2
-35°	1635.5	1831.9	2100.1	2784.6	3765.7	5246.8	6880.1	8715.8	10574.9	12186.3	13678.2
-37.5°	1555.8	1726.2	1903.7	2080.4	2632.7	3310.5	4460.8	5912.7	7323.0	8626.9	9911.2
-40°	1442.0	1628.7	1772.1	1923.1	2087.4	2274.0	2876.0	3469.2	4159.6	5159.6	6035.7
-42.5°	1321.2	1476.8	1640.1	1781.5	1918.9	2062.3	2214.1	2364.9	2680.4	3072.8	3394.2
-45°	1270.7	1364.3	1476.6	1624.2	1762.3	1891.1	2014.5	2133.9	2260.1	2375.2	2469.2
-47.5°	1210.3	1295.5	1386.3	1482.5	1583.9	1708.3	1830.4	1952.0	2062.3	2164.8	2246.7
-50°	1154.5	1221.4	1302.6	1384.4	1465.5	1548.9	1633.2	1727.0	1832.4	1936.2	2021.6
-52.5°	1109.0	1170.2	1228.2	1286.3	1356.8	1427.5	1498.3	1573.1	1645.0	1713.1	1766.2
-55°	998.2	1084.5	1169.4	1224.2	1271.7	1319.9	1373.5	1440.4	1504.2	1564.7	1600.3
-57.5°	847.4	947.3	1039.1	1103.9	1170.1	1237.2	1292.5	1340.3	1388.6	1434.6	1459.8
-60°	679.7	761.8	844.9	922.0	995.7	1065.2	1129.7	1192.6	1250.7	1299.6	1329.3
-62.5°	513.7	581.9	649.3	713.8	775.8	836.2	905.0	971.3	1034.4	1085.8	1117.5
-65°	357.6	413.5	465.8	516.0	564.1	615.5	669.0	721.0	770.9	810.5	836.5
-67.5°	243.2	277.6	308.8	338.7	375.2	414.8	454.1	490.5	524.0	549.7	567.9
-70°	161.6	180.0	196.5	215.8	239.7	263.8	288.1	310.6	331.1	346.5	358.0
-72.5°	99.5	112.2	124.1	137.1	149.3	161.9	175.1	188.0	200.5	209.5	216.3
-75°	47.8	53.7	64.3	73.8	82.5	90.5	97.8	104.2	109.7	113.2	115.5
-77.5°	32.6	35.3	37.9	40.5	43.2	46.4	49.7	52.9	55.9	58.2	60.3
-80°	23.5	24.9	26.2	27.2	28.1	29.5	31.0	32.4	33.9	34.5	34.8
-82.5°	16.3	17.4	18.5	19.5	20.5	21.5	22.4	23.3	24.1	24.9	25.6
-85°	11.0	11.5	12.1	12.8	13.4	14.1	14.9	15.6	16.3	16.4	16.5
-87.5°	7.6	7.7	7.9	8.0	8.1	8.7	9.2	9.8	10.3	10.4	10.4
-90°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.6	1.1



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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°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.8
87.5°	2.1	2.1	1.0	0.0	1.0	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.7
75°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.5	3.8	3.8
72.5°	6.1	6.2	5.3	4.2	5.3	6.2	6.1	6.0	5.9	6.0	6.5
70°	6.9	6.4	6.3	6.3	6.3	6.4	6.9	7.3	7.6	8.1	9.0
67.5°	9.5	10.2	10.4	10.4	10.4	10.2	9.5	8.9	8.5	8.8	9.9
65°	11.6	12.3	11.5	10.4	11.5	12.3	11.6	10.9	10.1	10.1	10.7
62.5°	8.7	8.5	8.3	8.3	8.3	8.5	8.7	8.8	8.9	9.5	10.4
60°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.5	8.9
57.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
55°	9.4	10.1	10.4	10.4	10.4	10.1	9.4	8.8	8.3	8.6	8.6
52.5°	10.3	10.4	10.4	10.4	10.4	10.4	10.3	10.0	9.7	9.9	10.1
50°	13.0	12.6	12.5	12.5	12.5	12.6	13.0	13.1	12.9	12.8	12.5
47.5°	16.2	15.1	14.6	14.6	14.6	15.1	16.2	16.9	17.3	17.2	16.6
45°	25.3	25.0	24.8	25.0	24.8	25.0	25.3	25.2	25.8	25.0	22.3
42.5°	42.3	43.0	42.3	39.6	42.3	43.0	42.3	40.7	43.5	43.5	41.2
40°	69.8	67.2	63.6	62.5	63.6	67.2	69.8	69.8	72.5	73.4	71.9
37.5°	129.7	129.6	126.6	125.0	126.6	129.6	129.7	128.1	125.0	109.9	114.1
35°	272.8	270.6	255.7	241.7	255.7	270.6	272.8	282.2	268.3	211.4	242.5
32.5°	708.5	746.1	742.6	720.9	742.6	746.1	708.5	691.9	642.5	596.6	565.0
30°	1507.3	1574.6	1560.4	1471.0	1560.4	1574.6	1507.3	1450.5	1303.0	1216.2	1103.6
27.5°	3115.4	3272.9	3411.6	3229.6	3411.6	3272.9	3115.4	3081.4	2439.6	2708.0	2038.9
25°	10656.6	11681.4	12287.7	11345.4	12287.7	11681.4	10656.6	8859.9	7065.3	6980.8	5764.1
22.5°	25433.0	26710.1	27391.6	27781.1	27391.6	26710.1	25433.0	22729.1	19354.0	15881.2	13367.8
20°	46652.8	49383.6	51133.0	47609.0	51133.0	49383.6	46652.8	41710.6	36604.9	29377.8	24171.3
17.5°	79037.8	89109.6	94412.3	97293.4	94412.3	89109.6	79037.8	67443.9	59086.4	48283.0	37758.6
15°	119991.9	132878.6	141580.9	144987.9	141580.9	132878.6	119991.9	104665.1	84805.2	68381.7	52730.7
12.5°	158714.4	172011.5	180040.7	182058.9	180040.7	172011.5	158714.4	138517.2	113009.5	88330.0	67596.2
10°	186256.5	198785.5	208021.8	211264.2	208021.8	198785.5	186256.5	167877.7	138749.8	109615.8	78891.6
7.5°	201589.3	216234.9	224375.4	226401.9	224375.4	216234.9	201589.3	182529.8	155700.8	124178.8	91716.1
5°	210413.7	223646.2	232544.7	233623.8	232544.7	223646.2	210413.7	191256.6	165726.5	134746.4	100104.4
2.5°	216103.5	229044.5	236531.3	238731.8	236531.3	229044.5	216103.5	196521.4	172143.6	141558.1	104606.1
0°	217499.6	229398.1	238443.2	241258.2	238443.2	229398.1	217499.6	199260.4	175284.0	143987.7	106576.0
-2.5°	213272.2	224750.7	230775.8	231752.7	230775.8	224750.7	213272.2	195323.4	171209.4	141928.9	105577.9
-5°	202476.7	210965.9	217921.4	218811.2	217921.4	210965.9	202476.7	184411.1	161719.7	132488.9	98320.4
-7.5°	179545.5	189068.4	192915.4	193956.5	192915.4	189068.4	179545.5	165920.5	145442.8	118471.6	87453.3
-10°	155146.9	163305.1	166030.4	167501.6	166030.4	163305.1	155146.9	142463.2	123101.2	98850.9	72248.4
-12.5°	131260.6	139238.1	141918.7	144048.2	141918.7	139238.1	131260.6	117233.4	99606.3	78026.8	59530.1
-15°	104497.9	112353.7	116684.5	119082.0	116684.5	112353.7	104497.9	90793.2	74799.9	60060.8	46331.0
-17.5°	78415.0	85875.6	90916.3	93849.1	90916.3	85875.6	78415.0	66165.1	56512.8	45999.8	36063.5
-20°	59457.2	64506.5	68385.5	70687.4	68385.5	64506.5	59457.2	52445.3	44713.0	36642.7	29274.2



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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°	46444.9	49942.1	52189.2	53659.9	52189.2	49942.1	46444.9	41811.8	35871.7	29667.2	24379.3
-25°	36299.5	38594.7	40047.9	41237.3	40047.9	38594.7	36299.5	33147.3	28987.9	24950.9	21085.1
-27.5°	28741.5	29972.1	30614.4	31487.9	30614.4	29972.1	28741.5	26861.8	24547.5	21035.2	17654.5
-30°	23105.3	24049.5	24560.0	24749.5	24560.0	24049.5	23105.3	21596.6	19550.7	17029.9	14376.0
-32.5°	18595.9	19487.9	20132.1	20434.2	20132.1	19487.9	18595.9	17273.2	15514.2	13519.4	11459.6
-35°	14835.9	15580.1	16088.0	16367.0	16088.0	15580.1	14835.9	13678.2	12186.3	10574.9	8715.8
-37.5°	10974.6	11791.2	12350.2	12541.4	12350.2	11791.2	10974.6	9911.2	8626.9	7323.0	5912.7
-40°	6733.4	7253.6	7589.2	7730.3	7589.2	7253.6	6733.4	6035.7	5159.6	4159.6	3469.2
-42.5°	3644.7	3835.6	3968.2	4044.3	3968.2	3835.6	3644.7	3394.2	3072.8	2680.4	2364.9
-45°	2530.0	2578.4	2609.0	2621.2	2609.0	2578.4	2530.0	2469.2	2375.2	2260.1	2133.9
-47.5°	2306.5	2358.7	2386.4	2387.8	2386.4	2358.7	2306.5	2246.7	2164.8	2062.3	1952.0
-50°	2089.2	2146.0	2174.7	2177.4	2174.7	2146.0	2089.2	2021.6	1936.2	1832.4	1727.0
-52.5°	1814.4	1859.5	1879.1	1877.4	1879.1	1859.5	1814.4	1766.2	1713.1	1645.0	1573.1
-55°	1631.1	1658.0	1669.9	1671.1	1669.9	1658.0	1631.1	1600.3	1564.7	1504.2	1440.4
-57.5°	1482.4	1502.3	1509.3	1508.6	1509.3	1502.3	1482.4	1459.8	1434.6	1388.6	1340.3
-60°	1355.1	1376.8	1382.8	1379.4	1382.8	1376.8	1355.1	1329.3	1299.6	1250.7	1192.6
-62.5°	1143.4	1163.2	1173.0	1175.2	1173.0	1163.2	1143.4	1117.5	1085.8	1034.4	971.3
-65°	857.0	871.9	879.7	881.4	879.7	871.9	857.0	836.5	810.5	770.9	721.0
-67.5°	582.1	592.1	595.2	593.8	595.2	592.1	582.1	567.9	549.7	524.0	490.5
-70°	367.3	374.3	376.1	375.1	376.1	374.3	367.3	358.0	346.5	331.1	310.6
-72.5°	221.9	226.1	226.4	225.0	226.4	226.1	221.9	216.3	209.5	200.5	188.0
-75°	117.0	117.6	117.5	116.7	117.5	117.6	117.0	115.5	113.2	109.7	104.2
-77.5°	62.3	64.0	63.4	62.5	63.4	64.0	62.3	60.3	58.2	55.9	52.9
-80°	35.1	35.3	35.4	35.4	35.4	35.3	35.1	34.8	34.5	33.9	32.4
-82.5°	26.3	27.0	26.0	25.0	26.0	27.0	26.3	25.6	24.9	24.1	23.3
-85°	16.6	16.7	16.7	16.7	16.7	16.7	16.6	16.5	16.4	16.3	15.6
-87.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.3	9.8
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.1



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.3	6.8	6.3	5.8	5.3	4.7	4.2	4.2	4.2	4.2	4.2
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.5	2.8	3.0	3.1	2.9	2.7	2.5	2.3
80°	2.9	3.2	3.4	3.5	3.7	3.9	4.2	4.2	4.2	4.1	3.7
77.5°	3.2	3.8	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1
75°	3.9	4.0	4.3	4.6	4.6	4.3	4.2	4.2	4.2	4.2	4.0
72.5°	6.8	6.7	6.7	7.0	7.0	7.3	7.5	7.2	6.4	5.2	4.2
70°	9.9	10.7	11.9	13.2	13.7	13.7	13.3	12.6	11.8	10.9	8.7
67.5°	11.0	12.1	14.8	17.7	19.6	20.7	20.6	19.4	18.2	17.0	13.7
65°	11.4	12.3	15.7	19.4	22.8	25.9	28.5	28.6	27.2	24.4	18.7
62.5°	11.3	12.3	15.5	18.9	22.8	28.4	35.2	38.2	38.4	33.5	26.0
60°	9.6	10.9	13.8	17.0	20.5	28.5	38.9	46.7	51.8	44.2	33.5
57.5°	8.3	9.3	11.8	14.7	17.9	27.0	38.9	52.4	61.2	50.9	41.1
55°	8.4	9.1	10.7	12.6	15.3	23.6	34.6	47.8	57.1	53.2	42.6
52.5°	10.2	10.5	11.0	11.8	14.2	19.5	27.1	39.3	45.8	44.0	39.9
50°	12.3	12.3	12.3	12.3	13.7	16.2	21.5	30.0	33.0	34.7	32.8
47.5°	16.4	16.1	14.8	14.3	15.5	15.2	18.0	21.7	25.7	26.1	26.2
45°	24.3	24.5	21.5	21.8	22.1	21.5	18.5	21.3	23.2	24.0	21.1
42.5°	41.9	40.6	38.3	36.5	34.9	33.2	30.7	29.2	27.0	25.8	25.7
40°	67.8	63.9	62.3	58.1	53.3	49.3	51.8	45.4	39.6	32.8	36.5
37.5°	107.3	90.4	101.9	92.2	81.6	81.2	84.9	74.8	58.5	63.0	60.9
35°	202.3	182.0	191.3	172.4	134.5	156.0	141.0	119.3	107.0	115.4	100.9
32.5°	466.0	450.4	388.3	341.2	309.1	286.6	250.7	192.4	200.5	195.6	167.1
30°	1049.8	991.0	777.1	732.1	697.4	511.0	409.7	379.3	349.0	298.0	251.3
27.5°	2489.8	2087.2	1725.3	1750.5	1407.3	1017.5	744.6	611.3	536.8	449.9	364.4
25°	5938.7	5016.6	4279.2	3845.2	2935.9	1996.0	1394.4	1000.3	773.7	638.3	525.6
22.5°	11696.0	10101.3	8441.7	6942.1	5396.3	3959.3	2652.0	1509.1	1035.1	852.6	715.0
20°	19093.3	16094.7	13513.8	10975.6	8582.0	6261.1	4339.1	2495.1	1455.3	1073.1	900.8
17.5°	29082.0	22879.3	18589.2	15040.8	12075.3	9226.2	6167.2	3580.8	1850.8	1286.8	1078.0
15°	39878.9	30136.9	23697.2	19284.8	15331.3	11224.5	7764.0	4611.3	2377.9	1569.0	1250.8
12.5°	50228.3	37600.4	28383.3	22387.3	17386.6	12923.7	9309.1	5922.5	3177.5	1823.8	1356.8
10°	58386.3	43711.9	32391.4	25073.0	19441.5	14474.3	10508.1	6838.1	3689.3	2023.4	1446.2
7.5°	65903.7	48346.9	35600.1	27078.8	21168.4	15906.8	11445.1	7478.1	4014.2	2192.6	1519.8
5°	70625.6	51719.4	37910.0	28209.3	22338.3	17084.8	12277.9	7920.4	4173.1	2328.9	1578.9
2.5°	73115.8	53581.1	39397.0	28775.6	22981.0	17855.0	12933.9	8226.8	4269.1	2385.4	1601.1
0°	75058.9	54424.6	39509.9	28895.9	23088.8	17992.2	13331.1	8376.2	4296.5	2394.1	1612.7
-2.5°	73495.9	53634.1	39137.3	28542.5	22739.4	17684.7	13188.8	8604.5	4425.0	2429.1	1621.8
-5°	69065.3	50631.0	36665.2	26831.9	21371.9	16678.2	12479.8	8316.4	4380.3	2408.8	1619.7
-7.5°	62557.4	45758.9	33139.0	24635.5	19580.8	15271.6	11362.1	7534.3	4098.6	2282.5	1573.5
-10°	53238.5	39210.6	28498.4	21851.5	17374.5	13640.9	10111.6	6628.0	3702.8	2119.6	1517.4
-12.5°	44109.2	32315.1	23582.1	18544.2	14683.3	11544.8	8608.5	5603.6	3193.0	1922.2	1452.3
-15°	34071.6	25593.9	20030.9	15734.2	12112.7	9514.9	7046.4	4466.3	2578.0	1701.0	1378.9
-17.5°	27708.6	20699.0	16827.9	13553.1	10502.8	7748.4	5658.5	3673.5	2199.7	1545.0	1325.7
-20°	22926.7	18620.6	14898.2	11889.2	9236.5	6762.1	4545.5	2886.9	1916.5	1481.3	1288.1



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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°	20395.6	16908.3	13557.2	10513.0	8024.8	5727.0	3739.2	2286.4	1614.0	1415.1	1243.3
-25°	17837.7	15007.1	12051.8	9247.5	6738.1	4509.1	2847.9	1970.2	1544.7	1353.2	1190.4
-27.5°	14950.6	12525.3	10211.6	7616.8	5260.2	3430.0	2257.4	1678.3	1483.8	1305.9	1128.3
-30°	11945.9	9954.6	7912.7	5744.1	3902.9	2529.0	1842.4	1603.1	1424.0	1251.5	1071.7
-32.5°	9290.3	7502.7	5680.2	4051.4	2739.2	2028.3	1721.1	1524.7	1360.2	1182.2	1040.0
-35°	6880.1	5246.8	3765.7	2784.6	2100.1	1831.9	1635.5	1460.0	1277.0	1115.3	1010.7
-37.5°	4460.8	3310.5	2632.7	2080.4	1903.7	1726.2	1555.8	1369.8	1187.1	1075.7	978.4
-40°	2876.0	2274.0	2087.4	1923.1	1772.1	1628.7	1442.0	1259.6	1146.3	1032.8	943.0
-42.5°	2214.1	2062.3	1918.9	1781.5	1640.1	1476.8	1321.2	1214.4	1105.9	1000.2	920.7
-45°	2014.5	1891.1	1762.3	1624.2	1476.6	1364.3	1270.7	1168.7	1065.7	980.8	904.7
-47.5°	1830.4	1708.3	1583.9	1482.5	1386.3	1295.5	1210.3	1121.8	1041.0	959.8	843.6
-50°	1633.2	1548.9	1465.5	1384.4	1302.6	1221.4	1154.5	1093.1	999.3	886.1	769.2
-52.5°	1498.3	1427.5	1356.8	1286.3	1228.2	1170.2	1109.0	1015.3	912.3	792.1	671.5
-55°	1373.5	1319.9	1271.7	1224.2	1169.4	1084.5	998.2	901.4	792.4	677.3	567.9
-57.5°	1292.5	1237.2	1170.1	1103.9	1039.1	947.3	847.4	750.9	659.9	557.9	459.8
-60°	1129.7	1065.2	995.7	922.0	844.9	761.8	679.7	598.7	519.2	436.9	355.2
-62.5°	905.0	836.2	775.8	713.8	649.3	581.9	513.7	448.5	382.6	315.8	261.6
-65°	669.0	615.5	564.1	516.0	465.8	413.5	357.6	310.6	268.3	224.2	180.0
-67.5°	454.1	414.8	375.2	338.7	308.8	277.6	243.2	206.8	179.9	157.4	133.3
-70°	288.1	263.8	239.7	215.8	196.5	180.0	161.6	142.6	123.8	106.1	87.5
-72.5°	175.1	161.9	149.3	137.1	124.1	112.2	99.5	85.7	71.4	56.7	46.0
-75°	97.8	90.5	82.5	73.8	64.3	53.7	47.8	44.2	40.2	35.9	31.5
-77.5°	49.7	46.4	43.2	40.5	37.9	35.3	32.6	29.5	27.2	25.0	23.1
-80°	31.0	29.5	28.1	27.2	26.2	24.9	23.5	21.9	20.3	18.8	17.7
-82.5°	22.4	21.5	20.5	19.5	18.5	17.4	16.3	15.4	14.6	13.9	13.2
-85°	14.9	14.1	13.4	12.8	12.1	11.5	11.0	10.5	10.1	9.5	8.9
-87.5°	9.2	8.7	8.1	8.0	7.9	7.7	7.6	7.1	6.6	6.1	5.7
-90°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1





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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°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1
80°	3.1	2.6	2.3	2.1	2.2	2.1	2.1	2.1	2.4	2.5	2.4
77.5°	3.5	3.0	2.5	2.2	2.5	2.7	2.6	2.4	2.7	2.9	2.9
75°	3.5	2.9	2.4	2.3	2.8	3.3	3.4	3.3	3.2	3.3	3.4
72.5°	3.9	3.5	2.8	2.4	2.9	3.4	3.9	4.1	3.7	3.6	3.9
70°	6.4	4.6	3.8	3.4	3.3	3.5	4.0	4.2	4.2	3.9	4.0
67.5°	10.5	7.9	5.8	4.4	3.9	3.8	4.1	4.2	4.2	4.2	4.1
65°	14.9	11.3	8.1	6.1	4.7	4.1	4.2	4.2	4.2	4.2	4.2
62.5°	19.8	15.0	11.2	7.8	5.6	4.5	4.2	4.2	4.2	4.2	4.2
60°	24.9	18.7	14.2	10.4	7.0	4.7	4.2	4.2	4.2	4.2	4.2
57.5°	30.5	21.9	17.0	12.8	9.0	5.6	4.2	4.2	4.2	4.2	4.2
55°	34.2	25.8	19.8	14.9	10.8	7.1	4.8	4.2	4.2	4.2	4.2
52.5°	32.5	27.9	23.1	17.1	12.3	8.7	6.4	4.2	4.2	4.2	4.2
50°	28.2	27.5	24.9	19.7	13.9	10.5	7.9	5.5	4.2	4.2	4.2
47.5°	25.3	26.3	25.1	21.6	15.9	12.4	9.7	6.8	4.2	4.2	4.2
45°	24.1	24.5	24.8	22.2	18.4	14.7	11.5	8.1	5.3	4.3	4.2
42.5°	24.8	25.0	23.7	23.1	20.5	16.9	13.5	9.8	6.5	4.4	4.3
40°	33.6	28.0	24.2	24.8	23.0	18.9	15.3	11.6	7.6	4.9	4.4
37.5°	46.2	37.1	28.6	31.0	26.8	21.5	16.9	13.4	8.9	5.9	4.7
35°	77.6	51.9	47.9	45.4	35.6	24.4	18.3	15.0	10.6	7.0	4.9
32.5°	118.0	91.0	86.2	69.1	47.5	27.6	20.5	16.6	12.2	7.9	5.2
30°	195.2	171.6	137.2	99.0	65.5	38.8	24.0	18.4	13.7	8.8	5.6
27.5°	321.2	267.9	203.8	146.1	94.1	53.2	29.4	20.5	15.1	9.9	6.4
25°	459.4	385.2	296.7	205.0	127.0	82.7	35.6	23.0	16.7	11.0	7.1
22.5°	612.1	512.1	400.0	271.2	181.8	120.5	51.1	27.8	18.4	12.1	7.8
20°	771.2	644.3	506.6	339.5	244.2	167.8	78.7	33.2	20.3	13.1	8.4
17.5°	935.4	761.2	586.0	414.7	304.3	217.1	110.4	38.8	22.3	14.0	8.9
15°	1046.5	851.9	661.3	483.5	358.6	267.9	145.4	44.6	24.3	14.8	9.6
12.5°	1135.7	938.1	732.0	546.0	407.5	319.2	182.3	50.5	26.3	16.2	10.5
10°	1215.2	1019.1	797.6	602.1	451.6	370.3	220.0	56.7	29.8	18.1	11.4
7.5°	1285.6	1093.8	857.5	652.0	487.6	406.5	244.1	63.1	33.6	19.9	12.3
5°	1340.1	1148.3	896.9	674.5	499.5	425.1	262.3	69.1	37.2	21.7	13.1
2.5°	1356.4	1173.8	920.9	688.0	509.1	439.6	276.1	74.5	40.6	23.4	13.9
0°	1364.8	1189.8	937.6	695.9	516.7	450.1	285.5	79.2	43.8	25.0	14.6
-2.5°	1371.8	1194.9	946.5	710.0	532.3	458.4	301.1	102.1	59.1	33.6	18.5
-5°	1371.8	1191.2	947.7	718.7	545.5	463.2	312.6	123.8	73.7	41.8	22.2
-7.5°	1343.8	1165.1	935.2	721.6	555.9	465.3	320.4	144.0	87.3	49.4	25.7
-10°	1304.4	1122.6	907.5	717.2	569.1	472.0	326.0	162.3	99.6	56.2	28.9
-12.5°	1258.6	1074.0	878.5	710.7	582.0	483.1	334.8	178.4	110.1	62.0	31.7
-15°	1206.8	1020.0	850.1	703.3	593.9	492.2	339.2	191.7	118.2	66.7	34.0
-17.5°	1154.9	961.3	823.8	695.7	605.3	499.8	339.3	201.5	124.3	70.3	36.2
-20°	1112.6	924.9	802.1	688.8	616.3	506.2	335.0	207.5	128.1	72.6	38.2



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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°	1064.2	909.8	794.1	694.3	623.3	511.7	326.4	209.4	129.4	73.4	39.4
-25°	1011.9	893.7	785.7	699.9	624.2	498.0	320.7	206.8	128.2	72.6	40.0
-27.5°	981.8	877.9	775.3	701.2	612.8	479.2	316.9	204.9	125.4	70.2	39.8
-30°	961.4	863.5	771.1	694.8	597.0	444.9	307.1	199.6	122.4	68.6	38.7
-32.5°	940.6	847.5	764.2	673.8	561.8	409.0	287.6	190.7	117.1	67.2	37.9
-35°	916.8	831.7	750.6	647.6	518.4	381.1	265.0	177.9	109.5	64.8	36.6
-37.5°	889.4	815.2	717.0	608.9	473.8	348.7	243.9	162.1	99.5	61.1	34.7
-40°	871.7	788.1	680.4	559.1	432.0	311.9	219.0	146.2	92.3	56.2	32.0
-42.5°	851.1	742.9	628.2	508.0	386.9	280.0	191.2	127.9	84.2	51.7	28.6
-45°	796.1	686.1	566.4	450.8	338.7	243.9	168.3	108.9	74.9	47.0	25.5
-47.5°	730.7	612.9	499.2	389.0	293.4	206.6	142.7	97.3	64.7	41.3	23.1
-50°	645.1	534.3	427.1	331.1	243.1	174.9	118.1	84.6	56.4	34.2	20.4
-52.5°	556.9	451.1	357.9	272.4	201.5	140.3	102.6	71.2	47.1	28.9	17.2
-55°	463.0	372.1	290.1	220.4	159.7	117.6	85.8	59.3	36.9	24.5	14.1
-57.5°	373.3	294.4	229.9	170.9	128.4	97.1	69.7	46.3	30.4	19.9	13.3
-60°	283.8	227.2	171.9	134.4	103.6	76.8	53.5	34.9	24.8	15.9	12.5
-62.5°	209.4	164.3	134.3	104.8	79.4	56.9	38.0	28.4	19.1	14.6	11.5
-65°	152.5	125.7	99.8	77.2	56.0	39.4	30.4	21.6	16.6	13.3	10.5
-67.5°	109.4	88.5	69.2	49.9	38.8	30.4	22.4	18.1	14.9	11.9	9.5
-70°	69.4	52.6	43.5	36.0	28.3	21.9	19.0	16.0	13.1	10.7	8.4
-72.5°	41.2	35.9	30.2	24.3	21.7	19.1	16.4	13.8	11.7	9.5	7.3
-75°	27.0	24.7	22.9	21.0	18.6	16.2	14.1	12.2	10.2	8.2	6.6
-77.5°	21.6	20.2	19.0	17.3	15.2	13.3	11.9	10.6	8.8	7.3	5.9
-80°	16.7	15.6	14.2	12.8	11.4	10.4	9.7	9.0	7.6	6.3	5.2
-82.5°	12.1	11.0	10.1	9.2	8.8	8.3	7.9	7.3	6.3	5.3	4.6
-85°	8.3	7.8	7.3	6.9	6.6	6.3	6.1	6.0	5.4	4.9	4.5
-87.5°	5.6	5.5	5.5	5.4	5.3	5.2	5.2	5.1	4.8	4.6	4.4
-90°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.2	4.2	4.2	4.2	4.2	4.2	4.2
87.5°	2.1	2.2	2.3	2.3	2.3	3.2	4.2
85°	2.1	2.3	2.5	2.5	2.5	3.2	4.2
82.5°	2.1	2.5	2.7	2.7	2.7	3.3	4.2
80°	2.2	2.6	2.8	2.9	2.8	3.3	4.2
77.5°	2.7	2.8	3.0	3.1	3.0	3.4	4.2
75°	3.3	3.1	3.2	3.4	3.2	3.4	4.2
72.5°	3.8	3.5	3.4	3.6	3.4	3.5	4.2
70°	4.2	3.8	3.6	3.8	3.6	3.6	4.2
67.5°	4.2	4.1	3.8	3.9	3.7	3.6	4.2
65°	4.2	4.2	3.9	3.9	3.9	3.7	4.2
62.5°	4.2	4.2	4.1	4.0	4.1	3.7	4.2
60°	4.2	4.2	4.2	4.0	4.2	3.7	4.2
57.5°	4.2	4.2	4.2	4.1	4.2	3.8	4.2
55°	4.2	4.2	4.2	4.1	4.2	3.8	4.2
52.5°	4.2	4.2	4.2	4.2	4.2	3.9	4.2
50°	4.2	4.2	4.2	4.2	4.2	3.9	4.2
47.5°	4.2	4.2	4.2	4.2	4.2	3.9	4.2
45°	4.2	4.2	4.2	4.2	4.2	4.0	4.2
42.5°	4.2	4.2	4.2	4.2	4.2	4.0	4.2
40°	4.2	4.2	4.2	4.2	4.2	4.0	4.2
37.5°	4.2	4.2	4.2	4.2	4.2	4.1	4.2
35°	4.2	4.2	4.2	4.2	4.2	4.1	4.2
32.5°	4.3	4.2	4.2	4.2	4.2	4.1	4.2
30°	4.5	4.2	4.2	4.2	4.2	4.1	4.2
27.5°	4.7	4.2	4.2	4.2	4.2	4.1	4.2
25°	5.0	4.2	4.2	4.2	4.2	4.2	4.2
22.5°	5.2	4.2	4.2	4.2	4.2	4.2	4.2
20°	5.5	4.4	4.2	4.2	4.2	4.2	4.2
17.5°	5.9	4.6	4.2	4.2	4.2	4.2	4.2
15°	6.3	4.8	4.2	4.2	4.2	4.2	4.2
12.5°	6.7	5.0	4.2	4.2	4.2	4.2	4.2
10°	7.0	5.3	4.2	4.2	4.2	4.2	4.2
7.5°	7.4	5.5	4.2	4.2	4.2	4.2	4.2
5°	7.7	5.8	4.2	4.2	4.2	4.2	4.2
2.5°	8.0	6.1	4.2	4.2	4.2	4.2	4.2
0°	8.3	6.3	4.2	4.2	4.2	4.2	4.2
-2.5°	10.2	7.0	4.4	4.2	4.2	4.2	4.2
-5°	12.1	7.6	4.6	4.2	4.2	4.2	4.2
-7.5°	13.9	8.2	4.7	4.2	4.2	4.2	4.2
-10°	15.5	8.7	4.9	4.2	4.2	4.2	4.2
-12.5°	16.9	9.2	5.0	4.2	4.2	4.2	4.2
-15°	18.1	9.5	5.1	4.2	4.2	4.2	4.2
-17.5°	19.0	9.8	5.2	4.2	4.2	4.2	4.2
-20°	19.8	9.9	5.3	4.2	4.2	4.2	4.2



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 CATALOG NUMBER: EPH-LS-08-0640L-57-70-4S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20.5	10.0	5.3	4.2	4.2	4.2	4.2
-25°	20.8	10.0	5.3	4.2	4.2	4.2	4.2
-27.5°	20.8	10.0	5.3	4.2	4.2	4.2	4.2
-30°	20.2	9.8	5.2	4.2	4.2	4.2	4.2
-32.5°	19.2	9.5	5.3	4.2	4.2	4.2	4.2
-35°	18.5	8.9	5.3	4.2	4.2	4.2	4.2
-37.5°	17.7	8.4	5.3	4.2	4.2	4.2	4.2
-40°	16.7	8.4	5.2	4.2	4.2	4.2	4.2
-42.5°	15.4	8.3	5.3	4.2	4.2	4.2	4.2
-45°	13.7	8.1	5.4	4.3	4.2	4.2	4.2
-47.5°	11.8	7.9	5.4	4.3	4.2	4.2	4.2
-50°	11.2	7.7	5.4	4.3	4.2	4.2	4.2
-52.5°	10.8	7.4	5.3	4.4	4.2	4.2	4.2
-55°	10.3	7.2	5.3	4.4	4.2	4.2	4.2
-57.5°	9.7	6.9	5.1	4.4	4.2	4.2	4.2
-60°	9.1	6.6	5.0	4.4	4.2	4.2	4.2
-62.5°	8.5	6.2	4.9	4.3	4.2	4.2	4.2
-65°	7.8	5.8	4.8	4.3	4.2	4.2	4.2
-67.5°	7.1	5.4	4.7	4.3	4.2	4.2	4.2
-70°	6.2	5.2	4.5	4.2	4.2	4.2	4.2
-72.5°	5.7	4.9	4.4	4.2	4.2	4.2	4.2
-75°	5.3	4.6	4.2	4.2	4.2	4.2	4.2
-77.5°	4.8	4.3	4.2	4.2	4.2	4.2	4.2
-80°	4.3	4.2	4.2	4.2	4.2	4.2	4.2
-82.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2
-85°	4.2	4.2	4.2	4.2	4.2	4.2	4.2
-87.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2
-90°	2.1	2.1	2.1	2.1	2.1	3.2	4.2

(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

