

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: P701732 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-80-3S-CV2-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701732 (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-08-0680R-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

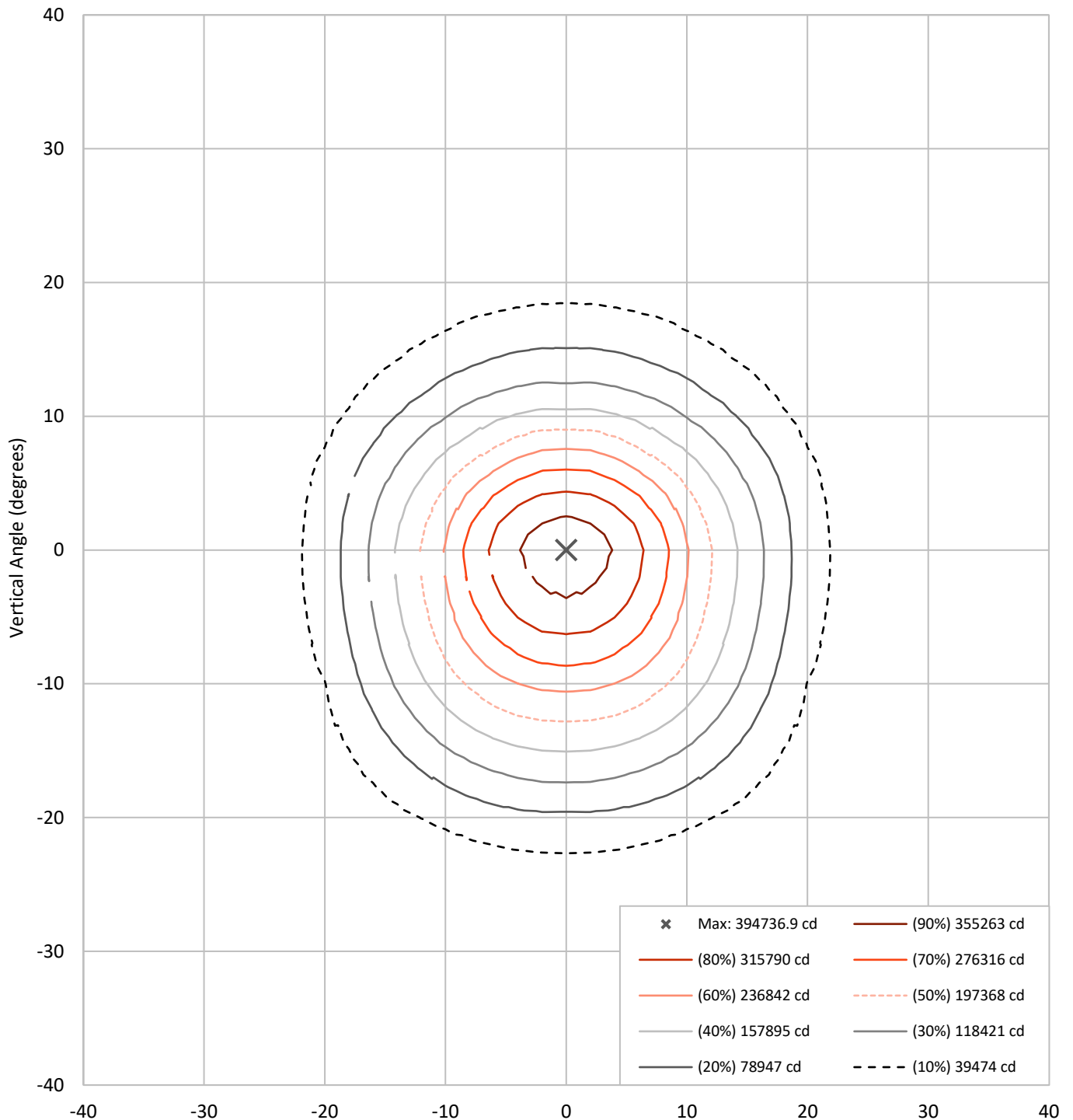
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	77916.3 lumens	Max Intensity:	394736.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	111.7 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:	35305 lumens	Field Lumens:	66811.8 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%

Input Watts (W): 697.5  
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





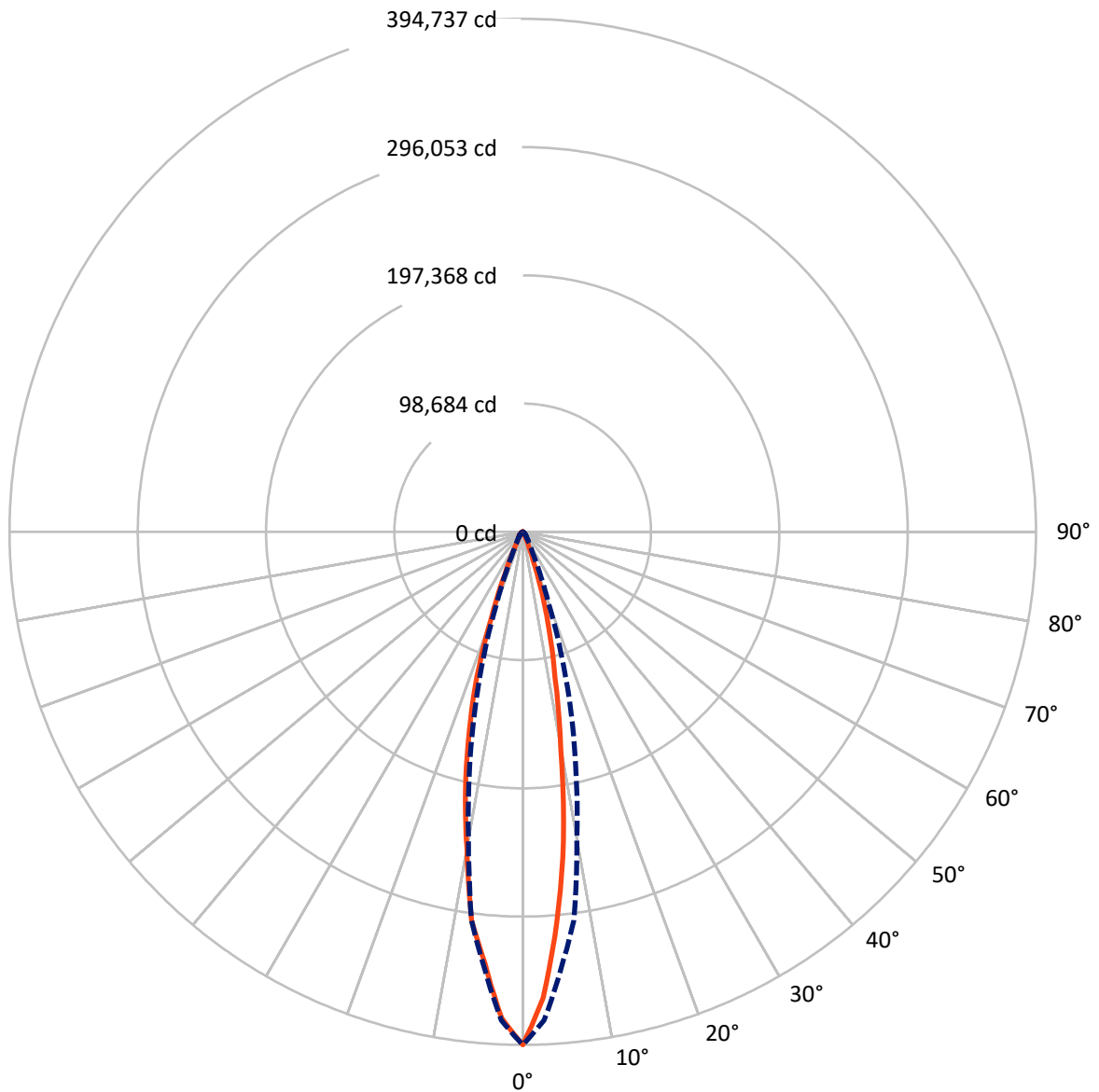
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### Lumen Table

90	0.2	0.6	0.8	0.7	0.5	0.7	0.8	0.6	0.2							
80	0.2	0.6	0.8	0.7	0.5	0.7	0.8	0.6	0.2							
70	0.3	0.1	0.2	0.6	0.8	0.5	0.3	0.3	0.3	0.3	0.5	0.8	0.6	0.2	0.1	0.3
60		0.2	0.4	0.7	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.7	0.4	0.2	
50	0.3	0.2	0.5	0.6	0.7	1.0	1.3	1.4	1.4	1.3	1.0	0.7	0.6	0.5	0.2	0.3
40		0.3	1.0	2.1	4.2	6.5	8.3	10.1	10.1	8.3	6.5	4.2	2.1	1.0	0.3	
30	0.3	0.5	3.2	10.3	27.1	46.7	107.1	223.8	223.8	107.1	46.7	27.1	10.3	3.2	0.5	0.3
20		1.1	7.7	27.6	68.2	187.0	983.2	2308.6	2308.6	983.2	187.0	68.2	27.6	7.7	1.1	
10	0.4	2.1	13.5	51.7	124.9	563.2	3393.9	7764.0	7764.0	3393.9	563.2	124.9	51.7	13.5	2.1	0.4
0		3.4	17.9	62.5	143.3	607.8	3916.7	8826.0	8826.0	3916.7	607.8	143.3	62.5	17.9	3.4	
-10	0.7	4.0	18.2	59.4	131.7	354.3	2002.7	4384.8	4384.8	2002.7	354.3	131.7	59.4	18.2	4.0	0.7
-20		3.8	15.2	38.8	90.7	159.8	367.2	748.1	748.1	367.2	159.8	90.7	38.8	15.2	3.8	
-30	0.5	3.2	11.0	23.8	52.6	94.0	130.1	157.4	157.4	130.1	94.0	52.6	23.8	11.0	3.2	0.5
-40		2.2	7.7	16.7	30.2	51.9	84.3	109.7	109.7	84.3	51.9	30.2	16.7	7.7	2.2	
-50	0.3	1.1	4.7	11.0	19.7	29.7	38.6	44.4	44.4	38.6	29.7	19.7	11.0	4.7	1.1	0.3
-60		0.4	1.8	5.6	11.1	17.8	24.5	28.6	28.6	24.5	17.8	11.1	5.6	1.8	0.4	
-70	0.2	1.1	3.9	10.8	15.4	10.8	3.9	1.1	0.2							
-80		0.2	1.1	3.9	10.8	15.4	10.8	3.9	1.1	0.2						
-90	0.2	1.1	3.9	10.8	15.4	10.8	3.9	1.1	0.2							

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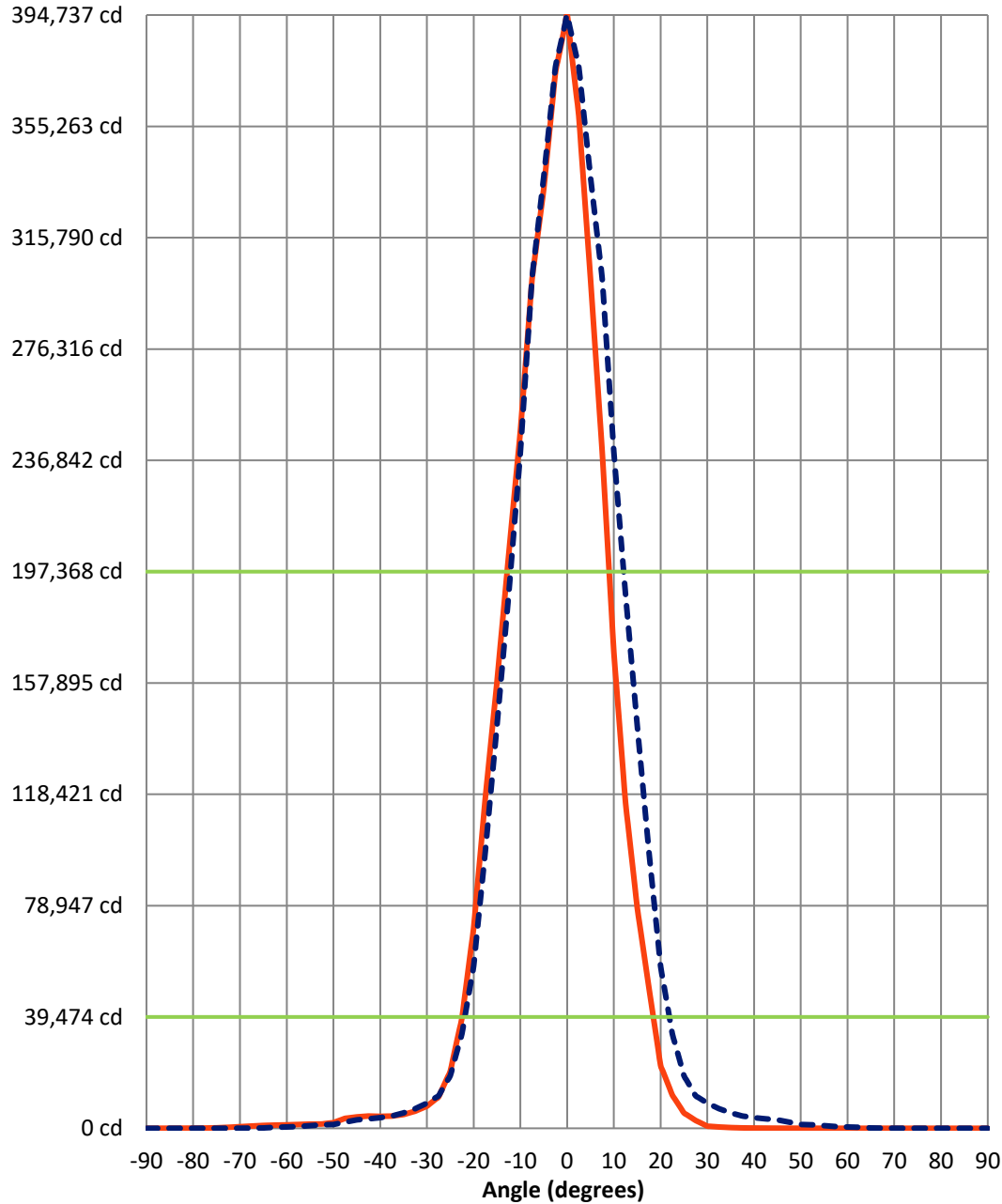
### Luminous Intensity Polar Plot



— 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: 35305  
Efficiency: 45.3%

**Field:**  
H Angle: 43.8°  
V Angle: 40.9°  
Lumens: 66811.8  
Efficiency: 85.7%

**Spill:**  
Lumens: 11104.5  
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°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.7	11.2	11.7	12.2
87.5°	10.2	10.2	10.4	10.4	10.4	10.3	10.2	10.2	10.2	10.2	10.2
85°	10.2	10.3	10.5	10.6	10.5	10.4	10.2	10.2	10.2	10.2	10.2
82.5°	10.2	10.3	10.7	10.8	10.7	10.5	10.2	10.2	10.2	10.3	10.2
80°	10.2	10.4	10.9	11.0	10.9	10.7	10.3	10.5	10.6	10.5	10.2
77.5°	10.2	10.4	11.0	11.2	11.1	10.9	10.8	11.0	11.0	10.7	10.3
75°	10.2	10.4	11.2	11.4	11.3	11.2	11.3	11.5	11.3	10.8	10.4
72.5°	10.2	10.5	11.3	11.6	11.5	11.5	11.8	11.9	11.4	10.9	10.4
70°	10.2	10.5	11.5	11.8	11.6	11.8	12.2	11.9	11.4	10.9	10.5
67.5°	10.2	10.6	11.6	11.9	11.8	12.1	12.2	12.0	11.5	11.0	10.5
65°	10.2	10.6	11.7	11.9	11.9	12.2	12.2	12.0	11.5	11.1	10.8
62.5°	10.2	10.6	11.8	12.0	12.1	12.2	12.2	12.1	11.6	11.2	11.5
60°	10.2	10.6	11.9	12.0	12.2	12.2	12.2	12.1	11.7	11.6	12.0
57.5°	10.2	10.7	11.9	12.1	12.2	12.2	12.2	12.2	11.9	12.0	12.2
55°	10.2	10.7	11.9	12.1	12.2	12.2	12.2	12.2	12.0	12.2	12.2
52.5°	10.2	10.7	11.9	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
50°	10.2	10.7	11.9	12.2	12.2	12.2	12.2	12.3	12.2	12.2	13.1
47.5°	10.2	10.7	11.9	12.2	12.2	12.2	12.2	12.5	12.2	12.2	14.0
45°	10.2	10.7	11.9	12.2	12.2	12.2	12.4	12.6	12.3	12.8	14.8
42.5°	10.2	10.7	11.9	12.2	12.2	12.2	12.6	12.8	12.4	13.4	15.5
40°	10.2	10.7	11.9	12.2	12.2	12.2	12.8	12.9	12.7	13.9	16.1
37.5°	10.2	10.7	11.9	12.2	12.2	12.2	13.0	13.0	13.3	14.5	16.4
35°	10.2	10.7	11.9	12.2	12.2	12.3	13.3	13.1	13.9	15.4	16.5
32.5°	10.2	10.7	11.9	12.2	12.2	12.5	13.6	13.3	14.4	16.4	17.9
30°	10.2	10.6	11.9	12.2	12.2	12.8	13.7	13.5	15.0	17.4	19.7
27.5°	10.2	10.6	12.0	12.2	12.2	13.0	13.8	13.9	15.6	18.6	22.0
25°	10.2	10.6	12.0	12.2	12.2	13.2	13.9	14.4	16.5	20.2	24.7
22.5°	10.2	10.6	12.0	12.2	12.2	13.4	14.0	14.8	17.5	22.2	30.1
20°	10.2	10.5	12.0	12.2	12.2	13.6	14.2	15.2	18.5	24.4	35.4
17.5°	10.2	10.5	12.1	12.2	12.2	13.7	14.3	15.5	19.5	26.7	40.4
15°	10.2	10.5	12.1	12.2	12.2	13.9	14.5	15.9	20.5	29.1	45.2
12.5°	10.2	10.4	12.1	12.2	12.2	14.0	14.8	16.4	22.2	31.6	49.8
10°	10.2	10.4	12.1	12.2	12.2	14.0	15.1	16.8	24.6	36.5	57.7
7.5°	10.2	10.3	12.2	12.2	12.2	14.1	15.4	17.2	27.2	41.7	74.0
5°	10.2	10.3	12.2	12.2	12.2	14.2	15.7	17.6	29.7	47.0	90.9
2.5°	10.2	10.2	12.2	12.2	12.2	14.2	16.0	18.0	32.2	52.1	107.8
0°	10.2	10.2	12.2	12.2	12.2	14.2	16.3	18.3	34.5	56.9	124.0
-2.5°	10.2	10.2	12.2	12.2	12.2	14.2	17.9	24.3	45.8	75.6	150.7
-5°	10.2	10.2	12.2	12.2	12.2	14.2	19.4	30.2	56.6	93.5	175.6
-7.5°	10.2	10.2	12.2	12.2	12.2	14.1	20.8	35.6	66.7	110.3	198.3
-10°	10.2	10.2	12.1	12.2	12.2	14.0	22.0	40.5	75.8	125.6	218.2
-12.5°	10.2	10.2	12.1	12.2	12.2	14.0	22.9	44.6	83.8	139.0	232.2
-15°	10.2	10.2	12.1	12.2	12.2	13.9	23.5	47.8	90.9	149.7	242.0
-17.5°	10.2	10.2	12.0	12.2	12.2	13.7	23.8	50.8	97.3	158.7	248.9
-20°	10.2	10.2	12.0	12.2	12.2	13.6	24.1	53.3	101.9	165.9	252.9



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 CATALOG NUMBER: EPH-LS-08-0680R-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°	10.2	10.2	11.9	12.2	12.2	13.4	24.8	54.7	104.7	171.1	253.9
-25°	10.2	10.2	11.8	12.2	12.2	13.7	24.8	54.7	105.5	174.2	251.7
-27.5°	10.2	10.2	11.7	12.2	12.2	13.9	24.2	53.3	104.2	175.1	254.1
-30°	10.2	10.2	11.7	12.2	12.2	14.1	22.7	50.4	102.0	173.3	254.0
-32.5°	10.2	10.2	11.6	12.2	12.4	14.1	20.5	48.2	98.5	168.6	251.0
-35°	10.2	10.2	11.5	12.2	12.6	13.9	19.7	45.6	92.9	160.8	245.3
-37.5°	10.2	10.2	11.4	12.2	12.7	13.8	19.5	41.7	85.0	150.0	227.0
-40°	10.2	10.2	11.3	12.2	12.8	14.0	19.1	36.7	74.9	138.4	206.2
-42.5°	10.2	10.2	11.1	12.2	12.9	14.1	18.4	30.4	66.2	121.9	184.0
-45°	10.2	10.2	11.0	12.3	13.0	14.2	17.4	25.7	57.6	103.4	160.8
-47.5°	10.2	10.2	10.9	12.3	13.0	14.3	16.2	24.2	47.3	83.8	138.5
-50°	10.2	10.2	10.8	12.2	13.1	14.3	16.0	22.4	35.2	69.8	114.7
-52.5°	10.2	10.2	10.6	12.0	13.1	14.3	15.9	20.2	29.4	54.9	90.2
-55°	10.2	10.2	10.5	11.9	13.0	14.2	15.8	17.9	26.2	38.9	71.9
-57.5°	10.2	10.2	10.3	11.7	13.0	14.1	15.7	17.7	22.7	31.9	52.5
-60°	10.2	10.2	10.2	11.5	12.9	14.0	15.5	17.3	19.6	27.4	37.0
-62.5°	10.2	10.2	10.2	11.3	12.7	13.8	15.2	16.9	18.9	22.5	31.3
-65°	10.2	10.2	10.2	11.1	12.4	13.6	14.9	16.3	18.0	20.5	25.1
-67.5°	10.2	10.2	10.2	10.9	12.1	13.3	14.5	15.7	17.0	19.1	21.9
-70°	10.2	10.2	10.2	10.7	11.8	12.9	14.1	15.1	16.2	17.6	19.8
-72.5°	10.2	10.2	10.2	10.6	11.5	12.6	13.6	14.4	15.3	16.4	17.8
-75°	10.2	10.2	10.2	10.5	11.2	12.2	13.2	13.8	14.3	15.1	16.2
-77.5°	10.2	10.2	10.2	10.5	11.0	11.8	12.7	13.2	13.6	14.0	14.6
-80°	10.2	10.2	10.2	10.4	10.9	11.5	12.2	12.6	12.9	13.2	13.6
-82.5°	10.2	10.2	10.2	10.4	10.7	11.2	11.7	12.0	12.2	12.5	12.7
-85°	10.2	10.2	10.2	10.3	10.5	10.8	11.2	11.6	11.9	12.1	12.2
-87.5°	10.2	10.2	10.2	10.3	10.4	10.5	10.7	11.1	11.5	11.9	12.2
-90°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2





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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°	11.7	11.2	10.7	10.2	10.2	10.2	10.2	10.2	9.7	9.2	8.6
87.5°	9.7	9.2	8.6	8.1	8.1	8.1	8.1	8.1	7.6	7.1	6.6
85°	9.7	9.2	8.8	8.4	8.4	8.4	8.3	8.1	7.6	7.1	6.6
82.5°	9.9	9.7	9.6	9.6	9.4	9.1	8.7	8.2	7.6	7.1	6.6
80°	10.1	10.2	10.2	10.2	9.8	9.2	8.7	8.2	7.7	7.2	6.7
77.5°	10.2	10.2	10.2	10.2	9.8	9.3	8.8	8.2	7.7	7.2	6.7
75°	10.2	10.2	10.2	10.2	9.9	9.4	8.9	8.7	8.6	8.5	8.3
72.5°	10.2	10.2	10.2	10.2	10.0	9.8	9.8	10.0	10.4	10.5	10.4
70°	10.2	10.2	10.4	10.4	10.2	10.4	11.3	12.4	13.3	14.3	16.9
67.5°	10.3	10.8	10.9	10.7	11.0	12.0	13.2	18.7	25.3	28.3	30.0
65°	11.2	11.5	11.4	11.6	12.1	16.0	21.9	29.7	38.3	40.3	40.1
62.5°	12.1	11.9	12.0	13.2	16.3	21.7	29.9	38.9	48.5	46.6	40.3
60°	12.2	12.1	13.5	16.6	20.7	28.0	37.4	41.9	45.0	44.8	36.9
57.5°	12.2	13.2	16.0	20.2	26.4	32.5	34.6	37.2	39.3	40.6	31.9
55°	12.7	15.0	18.7	24.4	29.2	28.4	29.5	31.2	32.7	30.9	23.0
52.5°	14.1	16.7	21.6	26.7	27.7	25.5	24.0	25.2	24.2	21.0	17.3
50°	15.3	18.9	23.8	27.1	26.4	22.9	19.8	20.3	19.4	16.9	14.8
47.5°	16.7	20.7	25.6	27.7	24.8	22.5	19.8	19.1	18.1	18.8	17.8
45°	17.9	22.1	27.3	26.7	24.9	24.2	22.9	20.1	23.3	24.4	24.1
42.5°	18.8	23.1	27.2	26.2	27.7	28.4	27.9	29.1	31.0	33.7	34.9
40°	19.4	23.8	28.2	31.2	32.0	34.8	38.6	41.6	42.6	46.7	49.4
37.5°	19.7	26.0	32.3	40.2	39.2	44.9	51.3	62.2	65.5	61.5	69.3
35°	19.7	29.4	43.5	54.2	55.7	58.3	74.7	91.3	101.5	91.5	100.9
32.5°	21.8	34.0	57.7	72.8	83.7	86.4	102.7	137.0	154.6	157.1	158.1
30°	26.9	47.1	75.2	95.0	119.8	139.7	155.4	194.8	223.0	292.9	349.2
27.5°	33.4	63.0	96.2	128.2	165.3	202.3	239.5	270.6	361.7	493.0	639.3
25°	39.8	86.0	119.5	169.1	225.5	279.5	329.6	372.0	549.8	818.8	998.8
22.5°	52.4	113.1	153.1	214.6	291.8	362.8	424.7	536.9	785.6	1183.8	1377.3
20°	72.8	141.8	194.5	269.3	366.1	448.9	521.5	709.1	1072.0	1445.4	1685.5
17.5°	95.1	171.8	239.5	338.3	462.0	553.7	628.0	876.6	1349.7	1706.5	1951.2
15°	118.6	202.8	284.0	413.3	567.1	680.8	831.6	1137.1	1595.0	1962.8	2262.9
12.5°	142.8	234.1	327.5	492.3	678.7	809.1	1079.8	1522.9	1931.5	2252.2	2701.3
10°	166.9	265.2	369.6	573.3	794.2	937.5	1352.8	1904.2	2299.1	2629.0	3145.5
7.5°	214.0	309.0	414.8	653.9	910.7	1064.7	1639.0	2275.3	2643.4	2979.1	3523.3
5°	264.8	365.4	485.2	754.2	1026.1	1179.3	1905.1	2629.0	2966.1	3304.3	3843.8
2.5°	314.0	419.7	553.1	851.7	1134.5	1272.6	2064.1	2825.5	3175.6	3556.8	4116.5
0°	359.7	471.5	617.8	941.0	1233.6	1359.6	2192.9	2991.6	3351.3	3767.9	4355.3
-2.5°	396.6	522.2	678.5	991.7	1268.0	1409.1	2219.3	3052.7	3442.1	3888.4	4469.9
-5°	427.4	569.3	734.4	1033.6	1294.7	1452.8	2214.0	3074.3	3518.3	3979.7	4574.4
-7.5°	451.4	612.0	785.1	1063.9	1308.6	1473.5	2207.4	3103.3	3601.8	4041.9	4658.9
-10°	464.7	629.5	795.9	1059.8	1305.2	1478.1	2159.2	3085.9	3670.0	4087.1	4685.4
-12.5°	450.8	624.0	793.1	1046.4	1296.0	1477.2	2054.3	3018.9	3724.4	4117.9	4635.3
-15°	434.5	614.8	782.3	1023.7	1281.8	1471.0	1887.1	2900.2	3697.0	4005.3	4488.4
-17.5°	416.7	602.0	762.6	991.8	1263.2	1459.5	1642.1	2599.1	3417.7	3812.7	4329.5
-20°	398.3	585.7	733.5	950.6	1236.8	1403.4	1526.8	2218.4	3018.4	3575.2	4051.5



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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°	380.1	565.9	702.5	912.5	1141.2	1310.7	1441.6	1830.0	2604.9	3281.3	3636.6
-25°	370.4	537.0	676.6	842.5	1039.6	1215.4	1342.9	1481.0	2172.7	2822.6	3269.9
-27.5°	365.8	510.9	638.2	772.5	943.0	1114.6	1236.3	1366.5	1746.6	2360.8	2897.0
-30°	357.4	475.3	598.1	709.6	861.0	1009.5	1128.9	1263.4	1416.2	1912.3	2407.6
-32.5°	337.4	439.1	556.2	663.4	784.3	914.2	1046.5	1177.9	1308.9	1489.3	1943.3
-35°	314.0	408.8	514.2	616.1	712.2	836.9	969.0	1098.4	1209.6	1324.9	1576.1
-37.5°	295.0	376.1	472.8	569.2	659.9	766.6	888.3	1014.0	1127.5	1231.7	1374.8
-40°	274.2	341.1	433.7	524.8	610.2	701.9	810.5	923.9	1040.9	1162.7	1274.7
-42.5°	251.4	315.9	393.1	481.1	561.2	645.6	732.4	837.3	952.5	1081.0	1197.1
-45°	225.3	289.1	352.5	433.3	510.3	588.0	669.3	752.3	865.4	980.8	1102.3
-47.5°	197.8	259.9	320.9	385.6	458.8	529.7	604.2	689.0	777.8	883.3	990.6
-50°	169.4	228.3	287.5	346.1	408.8	473.0	538.7	624.4	708.8	791.4	883.5
-52.5°	141.0	195.3	251.8	308.1	363.8	421.6	484.4	559.9	639.6	717.0	793.5
-55°	110.9	161.5	214.3	267.7	320.9	373.4	434.4	501.4	570.5	644.2	715.3
-57.5°	85.4	125.7	174.6	225.5	275.6	326.9	386.8	444.5	507.2	572.4	636.2
-60°	62.2	93.3	132.3	179.5	228.5	278.8	337.9	395.1	448.7	500.8	560.7
-62.5°	41.1	65.2	94.7	130.1	174.8	225.2	278.1	334.6	395.3	442.8	489.7
-65°	33.7	41.6	61.7	89.4	118.8	161.7	210.0	262.2	314.9	362.2	412.2
-67.5°	26.1	33.6	40.5	51.0	76.4	104.9	135.2	178.4	224.2	264.0	304.2
-70°	22.7	26.1	32.0	38.2	44.2	55.9	80.9	107.4	133.7	159.1	192.1
-72.5°	20.1	23.0	26.2	29.5	34.6	40.1	45.9	52.0	66.9	86.5	104.8
-75°	17.9	19.9	22.5	25.3	28.0	30.6	33.6	38.5	43.3	47.8	52.2
-77.5°	15.9	17.5	19.3	21.3	23.0	25.0	27.2	29.5	31.7	34.1	36.7
-80°	14.3	15.1	16.5	17.9	18.8	19.8	21.1	22.5	23.8	25.1	26.6
-82.5°	13.1	13.7	14.3	15.1	15.2	15.1	15.0	15.4	16.3	17.2	18.1
-85°	12.2	12.2	12.5	12.8	13.0	13.1	13.1	13.0	12.9	12.8	12.8
-87.5°	11.9	11.7	11.5	11.3	11.4	11.5	11.6	11.6	11.2	10.7	10.3
-90°	9.7	9.2	8.6	8.1	8.1	8.1	8.1	8.1	7.6	7.1	6.6



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.1	8.1	8.1	8.1	8.1	8.6	9.2	9.7	10.2	11.7	13.3
87.5°	6.1	5.6	5.1	4.6	4.1	3.6	3.1	2.5	2.0	2.0	2.0
85°	6.1	5.6	5.1	4.6	4.1	3.6	3.1	2.5	2.0	2.0	2.0
82.5°	6.1	5.9	5.7	5.6	5.5	5.2	4.8	4.3	3.9	3.5	3.0
80°	6.2	6.1	6.1	6.1	6.1	5.7	5.2	4.7	4.1	3.6	3.1
77.5°	6.4	6.4	6.5	6.4	6.2	5.7	5.2	4.7	4.2	3.6	3.1
75°	8.1	7.9	7.5	7.0	6.3	5.7	5.2	4.7	4.2	4.0	4.0
72.5°	10.0	9.5	9.1	9.5	9.4	9.2	8.9	8.3	7.5	7.4	7.7
70°	18.6	19.5	19.6	18.6	16.7	14.9	13.5	12.0	10.3	9.8	9.9
67.5°	29.6	28.2	26.5	24.2	20.7	17.7	15.8	14.0	12.3	11.8	11.9
65°	36.9	30.5	26.3	22.8	20.1	17.6	15.7	13.7	11.8	10.7	10.5
62.5°	33.7	26.4	21.9	19.1	17.2	15.7	13.2	11.2	9.6	8.8	9.1
60°	29.0	21.2	16.4	14.3	12.2	10.3	9.4	8.7	8.3	8.1	8.2
57.5°	23.0	16.1	12.1	11.3	10.2	8.8	8.3	8.5	8.4	8.1	8.1
55°	16.9	13.8	12.2	11.6	11.1	10.5	10.1	9.9	9.7	9.4	9.7
52.5°	13.7	13.7	13.9	13.7	13.2	12.6	12.0	12.1	12.3	12.6	13.1
50°	15.2	15.6	15.9	15.8	15.3	14.7	14.1	14.7	15.6	16.4	17.1
47.5°	17.6	18.3	19.4	18.0	18.2	19.4	18.6	18.9	21.9	23.8	25.0
45°	22.4	25.9	26.8	27.7	27.9	30.0	31.0	31.6	37.5	39.9	40.1
42.5°	35.6	39.0	41.8	44.5	44.0	50.6	59.5	64.5	64.2	63.2	64.3
40°	53.9	57.6	65.8	72.1	81.7	90.4	91.0	82.6	83.6	93.3	94.0
37.5°	81.0	92.3	108.7	126.9	131.8	126.2	129.5	135.6	141.9	150.9	161.3
35°	129.1	166.9	174.4	188.4	197.6	188.5	192.1	208.2	208.4	237.2	252.9
32.5°	228.9	287.0	304.8	292.3	316.7	331.4	286.1	343.1	354.0	383.5	419.7
30°	373.4	494.3	531.7	514.2	580.2	601.0	561.0	675.6	743.0	741.6	911.6
27.5°	709.5	769.9	840.0	947.2	961.0	996.8	1222.7	1397.4	1619.3	1829.1	2101.4
25°	1085.6	1119.8	1320.9	1453.3	1518.7	1757.5	2092.3	2365.5	2836.3	3275.7	4190.4
22.5°	1431.9	1559.9	1805.1	2017.1	2255.3	2639.8	3101.7	3608.5	4859.5	6398.6	8329.8
20°	1771.7	1940.2	2233.1	2614.4	2994.7	3517.8	4131.7	5737.5	8197.3	11925.5	15954.6
17.5°	2155.4	2317.4	2716.7	3255.2	3833.7	4617.8	6501.1	9569.3	14793.0	22086.3	29122.2
15°	2653.5	2932.2	3374.1	4169.6	5276.8	7124.8	10194.9	17762.7	28191.8	39533.6	51693.3
12.5°	3236.2	3695.7	4415.0	5442.9	7037.2	11403.0	19118.8	31270.9	46855.6	62784.9	82770.0
10°	3800.3	4568.9	5669.6	7289.4	10461.1	17341.8	28836.9	46375.2	70254.2	94883.3	116954.7
7.5°	4295.7	5312.7	6793.9	9064.1	14099.3	24043.6	40580.4	65019.4	94783.0	125218.1	154897.4
5°	4801.7	6010.9	7737.1	10393.1	16317.9	28894.8	50120.9	82087.7	118047.8	154910.3	193647.3
2.5°	5217.1	6597.1	8524.5	11494.9	17629.1	31501.9	56037.2	93975.6	135524.5	177726.7	225928.2
0°	5467.0	6960.7	8913.8	11529.4	18658.8	33555.8	57498.6	98183.8	142903.1	189303.1	239751.6
-2.5°	5474.7	6885.0	8724.1	11420.1	18438.4	32994.3	57600.6	98078.8	142506.3	187193.8	236978.3
-5°	5457.7	6712.4	8439.5	11027.8	17119.4	30065.2	53181.6	91724.4	135483.6	177774.7	223119.8
-7.5°	5431.6	6484.2	8035.4	10400.5	15431.3	26529.8	48092.0	83374.9	124661.6	164053.7	204645.2
-10°	5401.4	6248.0	7663.3	9862.4	13902.1	22324.6	38686.7	70819.0	108693.2	145043.5	178329.6
-12.5°	5375.5	6151.1	7363.7	9121.0	12043.1	18707.3	32661.6	57874.9	88545.6	119239.4	148725.7
-15°	5276.3	6022.6	7119.2	8570.4	10939.5	15600.2	24382.2	41810.3	66995.2	91241.7	114648.3
-17.5°	5073.2	5839.8	6529.7	7659.4	9368.3	12407.6	18161.4	28663.1	44833.8	63787.1	80300.2
-20°	4675.1	5200.6	5773.0	6732.5	8047.7	9647.7	12271.8	18255.7	25944.5	38307.3	46965.4



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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°	4084.2	4526.1	5007.7	5647.0	6571.8	7701.0	9101.2	11313.4	15325.6	20090.5	25356.9
-25°	3545.1	3862.7	4309.0	4858.2	5353.2	6089.9	7071.2	7929.4	9662.4	11064.1	13960.6
-27.5°	3136.6	3400.6	3804.7	4230.7	4596.1	4990.8	5673.6	6280.3	7123.5	7859.5	9037.0
-30°	2841.1	3111.7	3436.5	3759.4	4106.4	4441.0	4746.6	5206.6	5712.3	6192.5	6815.4
-32.5°	2476.4	2903.2	3138.4	3411.5	3720.2	4012.9	4245.9	4536.8	4815.2	5133.3	5474.9
-35°	2095.4	2561.7	2922.7	3132.6	3361.9	3641.4	3880.2	4079.2	4263.6	4461.1	4641.6
-37.5°	1646.6	2162.0	2573.2	2883.7	3093.1	3288.3	3544.4	3735.7	3857.7	4021.4	4144.8
-40°	1415.2	1621.6	2089.0	2511.0	2780.8	3088.2	3326.5	3529.0	3752.3	3926.7	4027.2
-42.5°	1302.4	1422.1	1546.5	1891.1	2313.4	2682.5	2989.7	3322.7	3621.5	3859.2	4080.2
-45°	1215.2	1300.2	1388.8	1503.1	1621.4	1966.7	2345.6	2735.1	3083.8	3409.7	3689.4
-47.5°	1098.9	1198.4	1279.2	1351.6	1424.2	1530.2	1643.7	1801.7	2136.9	2476.7	2800.8
-50°	979.1	1070.7	1160.0	1243.9	1311.9	1365.4	1408.2	1477.9	1579.0	1679.5	1778.2
-52.5°	866.4	951.3	1032.2	1113.5	1193.2	1263.8	1326.4	1375.7	1416.2	1450.8	1474.2
-55°	785.7	852.6	915.5	993.0	1069.5	1140.6	1206.5	1266.9	1322.1	1372.3	1406.9
-57.5°	701.8	767.4	832.6	897.8	961.0	1022.1	1083.5	1143.3	1199.5	1250.6	1284.9
-60°	618.7	674.8	739.5	806.8	869.8	928.7	985.8	1039.5	1089.5	1132.4	1160.1
-62.5°	540.2	593.2	649.1	709.6	773.4	835.7	892.9	947.2	998.7	1040.4	1067.2
-65°	461.0	505.5	553.3	603.3	655.1	708.1	762.6	818.1	874.0	918.8	948.3
-67.5°	346.3	390.9	437.8	486.7	530.7	571.3	610.5	651.0	691.9	725.9	752.6
-70°	225.3	258.5	291.2	324.7	361.3	398.4	433.9	467.2	498.1	522.8	542.8
-72.5°	121.8	137.9	156.0	181.4	205.9	230.6	255.0	278.0	299.4	315.6	328.2
-75°	56.4	63.7	77.5	90.2	101.9	113.8	125.4	136.0	145.7	152.6	157.9
-77.5°	40.1	43.3	46.6	49.9	53.2	57.7	62.5	67.3	71.9	76.4	80.7
-80°	28.2	30.1	31.9	33.6	35.2	37.8	40.5	43.3	46.1	48.9	51.6
-82.5°	18.8	20.1	21.3	22.4	23.5	25.0	26.5	28.0	29.4	31.7	34.0
-85°	12.8	13.3	13.9	14.5	15.1	16.3	17.5	18.7	19.9	21.5	23.1
-87.5°	9.8	9.9	9.9	10.0	10.0	11.0	12.0	13.0	14.1	15.6	17.2
-90°	6.1	5.6	5.1	4.6	4.1	3.6	3.1	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°	14.8	16.3	17.3	18.3	17.3	16.3	14.8	13.3	11.7	10.2	9.7
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	3.0	3.5	3.9	4.3
80°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.7
77.5°	2.6	2.0	2.0	2.0	2.0	2.0	2.6	3.1	3.6	4.2	4.7
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.2	4.7
72.5°	7.9	8.0	8.1	8.1	8.1	8.0	7.9	7.7	7.4	7.5	8.3
70°	10.1	10.1	10.2	10.2	10.2	10.1	10.1	9.9	9.8	10.3	12.0
67.5°	12.0	12.1	12.2	12.2	12.2	12.1	12.0	11.9	11.8	12.3	14.0
65°	10.4	10.3	10.2	10.2	10.2	10.3	10.4	10.5	10.7	11.8	13.7
62.5°	9.6	10.1	10.2	10.2	10.2	10.1	9.6	9.1	8.8	9.6	11.2
60°	8.3	8.2	8.1	8.1	8.1	8.2	8.3	8.2	8.1	8.3	8.7
57.5°	8.1	8.1	8.9	10.2	8.9	8.1	8.1	8.1	8.1	8.4	8.5
55°	9.9	10.1	10.9	12.2	10.9	10.1	9.9	9.7	9.4	9.7	9.9
52.5°	13.6	13.9	14.1	14.2	14.1	13.9	13.6	13.1	12.6	12.3	12.1
50°	17.6	18.0	18.2	18.3	18.2	18.0	17.6	17.1	16.4	15.6	14.7
47.5°	25.8	26.1	26.2	26.4	26.2	26.1	25.8	25.0	23.8	21.9	18.9
45°	41.5	42.1	42.3	42.7	42.3	42.1	41.5	40.1	39.9	37.5	31.6
42.5°	66.9	68.0	68.0	67.1	68.0	68.0	66.9	64.3	63.2	64.2	64.5
40°	95.4	95.5	94.4	93.5	94.4	95.5	95.4	94.0	93.3	83.6	82.6
37.5°	166.1	160.1	149.4	144.3	149.4	160.1	166.1	161.3	150.9	141.9	135.6
35°	257.0	260.9	261.9	260.1	261.9	260.9	257.0	252.9	237.2	208.4	208.2
32.5°	429.8	450.4	457.1	469.5	457.1	450.4	429.8	419.7	383.5	354.0	343.1
30°	884.9	878.7	801.6	768.2	801.6	878.7	884.9	911.6	741.6	743.0	675.6
27.5°	2383.7	2658.1	2789.0	2778.2	2789.0	2658.1	2383.7	2101.4	1829.1	1619.3	1397.4
25°	4909.2	5350.2	5642.7	5450.7	5642.7	5350.2	4909.2	4190.4	3275.7	2836.3	2365.5
22.5°	10128.3	11089.8	11613.7	11801.7	11613.7	11089.8	10128.3	8329.8	6398.6	4859.5	3608.5
20°	20297.0	22112.4	23438.2	22331.2	23438.2	22112.4	20297.0	15954.6	11925.5	8197.3	5737.5
17.5°	37681.4	43328.5	48324.2	49885.5	48324.2	43328.5	37681.4	29122.2	22086.3	14793.0	9569.3
15°	63416.1	72953.0	78621.7	78291.3	78621.7	72953.0	63416.1	51693.3	39533.6	28191.8	17762.7
12.5°	97572.8	109341.9	117194.7	115448.4	117194.7	109341.9	97572.8	82770.0	62784.9	46855.6	31270.9
10°	138614.9	156441.2	169393.5	168797.0	169393.5	156441.2	138614.9	116954.7	94883.3	70254.2	46375.2
7.5°	181166.3	210430.8	235831.0	240105.3	235831.0	210430.8	181166.3	154897.4	125218.1	94783.0	65019.4
5°	236039.8	274611.5	299836.4	301278.3	299836.4	274611.5	236039.8	193647.3	154910.3	118047.8	82087.7
2.5°	280551.5	324799.7	346087.5	358985.2	346087.5	324799.7	280551.5	225928.2	177726.7	135524.5	93975.6
0°	301405.3	337376.5	376296.5	394736.9	376296.5	337376.5	301405.3	239751.6	189303.1	142903.1	98183.8
-2.5°	292849.8	331395.6	354747.9	374291.7	354747.9	331395.6	292849.8	236978.3	187193.8	142506.3	98078.8
-5°	273446.8	311639.3	331230.0	333057.8	331230.0	311639.3	273446.8	223119.8	177774.7	135483.6	91724.4
-7.5°	241770.6	274155.8	294724.2	301123.8	294724.2	274155.8	241770.6	204645.2	164053.7	124661.6	83374.9
-10°	208107.2	231397.4	244690.2	247238.7	244690.2	231397.4	208107.2	178329.6	145043.5	108693.2	70819.0
-12.5°	173108.9	192176.5	201348.8	203352.7	201348.8	192176.5	173108.9	148725.7	119239.4	88545.6	57874.9
-15°	134339.6	148687.6	156946.2	158383.3	156946.2	148687.6	134339.6	114648.3	91241.7	66995.2	41810.3
-17.5°	95889.0	107547.9	115913.9	117025.5	115913.9	107547.9	95889.0	80300.2	63787.1	44833.8	28663.1
-20°	58904.3	66837.2	71731.4	71013.6	71731.4	66837.2	58904.3	46965.4	38307.3	25944.5	18255.7



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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°	31713.3	35989.3	38057.7	39126.4	38057.7	35989.3	31713.3	25356.9	20090.5	15325.6	11313.4
-25°	16763.6	18574.5	19503.7	20231.8	19503.7	18574.5	16763.6	13960.6	11064.1	9662.4	7929.4
-27.5°	9974.5	10597.3	10943.1	11133.1	10943.1	10597.3	9974.5	9037.0	7859.5	7123.5	6280.3
-30°	7312.3	7610.7	7768.3	7846.8	7768.3	7610.7	7312.3	6815.4	6192.5	5712.3	5206.6
-32.5°	5749.1	5926.2	6035.1	6074.6	6035.1	5926.2	5749.1	5474.9	5133.3	4815.2	4536.8
-35°	4769.1	4828.4	4849.6	4887.7	4849.6	4828.4	4769.1	4641.6	4461.1	4263.6	4079.2
-37.5°	4238.8	4293.9	4320.8	4343.1	4320.8	4293.9	4238.8	4144.8	4021.4	3857.7	3735.7
-40°	4073.7	4132.1	4192.1	4235.4	4192.1	4132.1	4073.7	4027.2	3926.7	3752.3	3529.0
-42.5°	4176.8	4272.4	4338.0	4347.1	4338.0	4272.4	4176.8	4080.2	3859.2	3621.5	3322.7
-45°	3848.2	3957.1	4016.4	4036.2	4016.4	3957.1	3848.2	3689.4	3409.7	3083.8	2735.1
-47.5°	3088.0	3336.8	3485.4	3518.0	3485.4	3336.8	3088.0	2800.8	2476.7	2136.9	1801.7
-50°	1874.2	1962.8	2011.6	2018.1	2011.6	1962.8	1874.2	1778.2	1679.5	1579.0	1477.9
-52.5°	1492.8	1508.6	1518.5	1524.2	1518.5	1508.6	1492.8	1474.2	1450.8	1416.2	1375.7
-55°	1437.2	1463.8	1478.8	1485.6	1478.8	1463.8	1437.2	1406.9	1372.3	1322.1	1266.9
-57.5°	1315.5	1342.5	1354.5	1357.6	1354.5	1342.5	1315.5	1284.9	1250.6	1199.5	1143.3
-60°	1185.4	1208.2	1215.4	1215.3	1215.4	1208.2	1185.4	1160.1	1132.4	1089.5	1039.5
-62.5°	1092.7	1116.5	1128.0	1134.0	1128.0	1116.5	1092.7	1067.2	1040.4	998.7	947.2
-65°	973.9	995.7	1004.8	1008.0	1004.8	995.7	973.9	948.3	918.8	874.0	818.1
-67.5°	776.4	797.0	802.9	802.8	802.9	797.0	776.4	752.6	725.9	691.9	651.0
-70°	559.7	573.3	575.6	573.1	575.6	573.3	559.7	542.8	522.8	498.1	467.2
-72.5°	338.5	346.4	349.4	349.6	349.4	346.4	338.5	328.2	315.6	299.4	278.0
-75°	161.9	164.9	167.2	168.7	167.2	164.9	161.9	157.9	152.6	145.7	136.0
-77.5°	84.8	88.6	90.3	91.5	90.3	88.6	84.8	80.7	76.4	71.9	67.3
-80°	54.1	56.6	56.8	56.9	56.8	56.6	54.1	51.6	48.9	46.1	43.3
-82.5°	36.2	38.4	38.6	38.6	38.6	38.4	36.2	34.0	31.7	29.4	28.0
-85°	24.8	26.3	27.4	28.5	27.4	26.3	24.8	23.1	21.5	19.9	18.7
-87.5°	18.7	20.3	20.3	20.3	20.3	20.3	18.7	17.2	15.6	14.1	13.0
-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°	9.2	8.6	8.1	8.1	8.1	8.1	8.1	8.6	9.2	9.7	10.2
87.5°	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1
85°	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1
82.5°	4.8	5.2	5.5	5.6	5.7	5.9	6.1	6.6	7.1	7.6	8.2
80°	5.2	5.7	6.1	6.1	6.1	6.1	6.2	6.7	7.2	7.7	8.2
77.5°	5.2	5.7	6.2	6.4	6.5	6.4	6.4	6.7	7.2	7.7	8.2
75°	5.2	5.7	6.3	7.0	7.5	7.9	8.1	8.3	8.5	8.6	8.7
72.5°	8.9	9.2	9.4	9.5	9.1	9.5	10.0	10.4	10.5	10.4	10.0
70°	13.5	14.9	16.7	18.6	19.6	19.5	18.6	16.9	14.3	13.3	12.4
67.5°	15.8	17.7	20.7	24.2	26.5	28.2	29.6	30.0	28.3	25.3	18.7
65°	15.7	17.6	20.1	22.8	26.3	30.5	36.9	40.1	40.3	38.3	29.7
62.5°	13.2	15.7	17.2	19.1	21.9	26.4	33.7	40.3	46.6	48.5	38.9
60°	9.4	10.3	12.2	14.3	16.4	21.2	29.0	36.9	44.8	45.0	41.9
57.5°	8.3	8.8	10.2	11.3	12.1	16.1	23.0	31.9	40.6	39.3	37.2
55°	10.1	10.5	11.1	11.6	12.2	13.8	16.9	23.0	30.9	32.7	31.2
52.5°	12.0	12.6	13.2	13.7	13.9	13.7	13.7	17.3	21.0	24.2	25.2
50°	14.1	14.7	15.3	15.8	15.9	15.6	15.2	14.8	16.9	19.4	20.3
47.5°	18.6	19.4	18.2	18.0	19.4	18.3	17.6	17.8	18.8	18.1	19.1
45°	31.0	30.0	27.9	27.7	26.8	25.9	22.4	24.1	24.4	23.3	20.1
42.5°	59.5	50.6	44.0	44.5	41.8	39.0	35.6	34.9	33.7	31.0	29.1
40°	91.0	90.4	81.7	72.1	65.8	57.6	53.9	49.4	46.7	42.6	41.6
37.5°	129.5	126.2	131.8	126.9	108.7	92.3	81.0	69.3	61.5	65.5	62.2
35°	192.1	188.5	197.6	188.4	174.4	166.9	129.1	100.9	91.5	101.5	91.3
32.5°	286.1	331.4	316.7	292.3	304.8	287.0	228.9	158.1	157.1	154.6	137.0
30°	561.0	601.0	580.2	514.2	531.7	494.3	373.4	349.2	292.9	223.0	194.8
27.5°	1222.7	996.8	961.0	947.2	840.0	769.9	709.5	639.3	493.0	361.7	270.6
25°	2092.3	1757.5	1518.7	1453.3	1320.9	1119.8	1085.6	998.8	818.8	549.8	372.0
22.5°	3101.7	2639.8	2255.3	2017.1	1805.1	1559.9	1431.9	1377.3	1183.8	785.6	536.9
20°	4131.7	3517.8	2994.7	2614.4	2233.1	1940.2	1771.7	1685.5	1445.4	1072.0	709.1
17.5°	6501.1	4617.8	3833.7	3255.2	2716.7	2317.4	2155.4	1951.2	1706.5	1349.7	876.6
15°	10194.9	7124.8	5276.8	4169.6	3374.1	2932.2	2653.5	2262.9	1962.8	1595.0	1137.1
12.5°	19118.8	11403.0	7037.2	5442.9	4415.0	3695.7	3236.2	2701.3	2252.2	1931.5	1522.9
10°	28836.9	17341.8	10461.1	7289.4	5669.6	4568.9	3800.3	3145.5	2629.0	2299.1	1904.2
7.5°	40580.4	24043.6	14099.3	9064.1	6793.9	5312.7	4295.7	3523.3	2979.1	2643.4	2275.3
5°	50120.9	28894.8	16317.9	10393.1	7737.1	6010.9	4801.7	3843.8	3304.3	2966.1	2629.0
2.5°	56037.2	31501.9	17629.1	11494.9	8524.5	6597.1	5217.1	4116.5	3556.8	3175.6	2825.5
0°	57498.6	33555.8	18658.8	11529.4	8913.8	6960.7	5467.0	4355.3	3767.9	3351.3	2991.6
-2.5°	57600.6	32994.3	18438.4	11420.1	8724.1	6885.0	5474.7	4469.9	3888.4	3442.1	3052.7
-5°	53181.6	30065.2	17119.4	11027.8	8439.5	6712.4	5457.7	4574.4	3979.7	3518.3	3074.3
-7.5°	48092.0	26529.8	15431.3	10400.5	8035.4	6484.2	5431.6	4658.9	4041.9	3601.8	3103.3
-10°	38686.7	22324.6	13902.1	9862.4	7663.3	6248.0	5401.4	4685.4	4087.1	3670.0	3085.9
-12.5°	32661.6	18707.3	12043.1	9121.0	7363.7	6151.1	5375.5	4635.3	4117.9	3724.4	3018.9
-15°	24382.2	15600.2	10939.5	8570.4	7119.2	6022.6	5276.3	4488.4	4005.3	3697.0	2900.2
-17.5°	18161.4	12407.6	9368.3	7659.4	6529.7	5839.8	5073.2	4329.5	3812.7	3417.7	2599.1
-20°	12271.8	9647.7	8047.7	6732.5	5773.0	5200.6	4675.1	4051.5	3575.2	3018.4	2218.4



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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°	9101.2	7701.0	6571.8	5647.0	5007.7	4526.1	4084.2	3636.6	3281.3	2604.9	1830.0
-25°	7071.2	6089.9	5353.2	4858.2	4309.0	3862.7	3545.1	3269.9	2822.6	2172.7	1481.0
-27.5°	5673.6	4990.8	4596.1	4230.7	3804.7	3400.6	3136.6	2897.0	2360.8	1746.6	1366.5
-30°	4746.6	4441.0	4106.4	3759.4	3436.5	3111.7	2841.1	2407.6	1912.3	1416.2	1263.4
-32.5°	4245.9	4012.9	3720.2	3411.5	3138.4	2903.2	2476.4	1943.3	1489.3	1308.9	1177.9
-35°	3880.2	3641.4	3361.9	3132.6	2922.7	2561.7	2095.4	1576.1	1324.9	1209.6	1098.4
-37.5°	3544.4	3288.3	3093.1	2883.7	2573.2	2162.0	1646.6	1374.8	1231.7	1127.5	1014.0
-40°	3326.5	3088.2	2780.8	2511.0	2089.0	1621.6	1415.2	1274.7	1162.7	1040.9	923.9
-42.5°	2989.7	2682.5	2313.4	1891.1	1546.5	1422.1	1302.4	1197.1	1081.0	952.5	837.3
-45°	2345.6	1966.7	1621.4	1503.1	1388.8	1300.2	1215.2	1102.3	980.8	865.4	752.3
-47.5°	1643.7	1530.2	1424.2	1351.6	1279.2	1198.4	1098.9	990.6	883.3	777.8	689.0
-50°	1408.2	1365.4	1311.9	1243.9	1160.0	1070.7	979.1	883.5	791.4	708.8	624.4
-52.5°	1326.4	1263.8	1193.2	1113.5	1032.2	951.3	866.4	793.5	717.0	639.6	559.9
-55°	1206.5	1140.6	1069.5	993.0	915.5	852.6	785.7	715.3	644.2	570.5	501.4
-57.5°	1083.5	1022.1	961.0	897.8	832.6	767.4	701.8	636.2	572.4	507.2	444.5
-60°	985.8	928.7	869.8	806.8	739.5	674.8	618.7	560.7	500.8	448.7	395.1
-62.5°	892.9	835.7	773.4	709.6	649.1	593.2	540.2	489.7	442.8	395.3	334.6
-65°	762.6	708.1	655.1	603.3	553.3	505.5	461.0	412.2	362.2	314.9	262.2
-67.5°	610.5	571.3	530.7	486.7	437.8	390.9	346.3	304.2	264.0	224.2	178.4
-70°	433.9	398.4	361.3	324.7	291.2	258.5	225.3	192.1	159.1	133.7	107.4
-72.5°	255.0	230.6	205.9	181.4	156.0	137.9	121.8	104.8	86.5	66.9	52.0
-75°	125.4	113.8	101.9	90.2	77.5	63.7	56.4	52.2	47.8	43.3	38.5
-77.5°	62.5	57.7	53.2	49.9	46.6	43.3	40.1	36.7	34.1	31.7	29.5
-80°	40.5	37.8	35.2	33.6	31.9	30.1	28.2	26.6	25.1	23.8	22.5
-82.5°	26.5	25.0	23.5	22.4	21.3	20.1	18.8	18.1	17.2	16.3	15.4
-85°	17.5	16.3	15.1	14.5	13.9	13.3	12.8	12.8	12.8	12.9	13.0
-87.5°	12.0	11.0	10.0	10.0	9.9	9.9	9.8	10.3	10.7	11.2	11.6
-90°	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1





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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°	10.2	10.2	10.2	10.2	10.7	11.2	11.7	12.2	11.7	11.2	10.7
87.5°	8.1	8.1	8.1	8.1	8.6	9.2	9.7	10.2	10.2	10.2	10.2
85°	8.3	8.4	8.4	8.4	8.8	9.2	9.7	10.2	10.2	10.2	10.2
82.5°	8.7	9.1	9.4	9.6	9.6	9.7	9.9	10.2	10.3	10.2	10.2
80°	8.7	9.2	9.8	10.2	10.2	10.2	10.1	10.2	10.5	10.6	10.5
77.5°	8.8	9.3	9.8	10.2	10.2	10.2	10.2	10.3	10.7	11.0	11.0
75°	8.9	9.4	9.9	10.2	10.2	10.2	10.2	10.4	10.8	11.3	11.5
72.5°	9.8	9.8	10.0	10.2	10.2	10.2	10.2	10.4	10.9	11.4	11.9
70°	11.3	10.4	10.2	10.4	10.4	10.2	10.2	10.5	10.9	11.4	11.9
67.5°	13.2	12.0	11.0	10.7	10.9	10.8	10.3	10.5	11.0	11.5	12.0
65°	21.9	16.0	12.1	11.6	11.4	11.5	11.2	10.8	11.1	11.5	12.0
62.5°	29.9	21.7	16.3	13.2	12.0	11.9	12.1	11.5	11.2	11.6	12.1
60°	37.4	28.0	20.7	16.6	13.5	12.1	12.2	12.0	11.6	11.7	12.1
57.5°	34.6	32.5	26.4	20.2	16.0	13.2	12.2	12.2	12.0	11.9	12.2
55°	29.5	28.4	29.2	24.4	18.7	15.0	12.7	12.2	12.2	12.0	12.2
52.5°	24.0	25.5	27.7	26.7	21.6	16.7	14.1	12.2	12.2	12.2	12.2
50°	19.8	22.9	26.4	27.1	23.8	18.9	15.3	13.1	12.2	12.2	12.3
47.5°	19.8	22.5	24.8	27.7	25.6	20.7	16.7	14.0	12.2	12.2	12.5
45°	22.9	24.2	24.9	26.7	27.3	22.1	17.9	14.8	12.8	12.3	12.6
42.5°	27.9	28.4	27.7	26.2	27.2	23.1	18.8	15.5	13.4	12.4	12.8
40°	38.6	34.8	32.0	31.2	28.2	23.8	19.4	16.1	13.9	12.7	12.9
37.5°	51.3	44.9	39.2	40.2	32.3	26.0	19.7	16.4	14.5	13.3	13.0
35°	74.7	58.3	55.7	54.2	43.5	29.4	19.7	16.5	15.4	13.9	13.1
32.5°	102.7	86.4	83.7	72.8	57.7	34.0	21.8	17.9	16.4	14.4	13.3
30°	155.4	139.7	119.8	95.0	75.2	47.1	26.9	19.7	17.4	15.0	13.5
27.5°	239.5	202.3	165.3	128.2	96.2	63.0	33.4	22.0	18.6	15.6	13.9
25°	329.6	279.5	225.5	169.1	119.5	86.0	39.8	24.7	20.2	16.5	14.4
22.5°	424.7	362.8	291.8	214.6	153.1	113.1	52.4	30.1	22.2	17.5	14.8
20°	521.5	448.9	366.1	269.3	194.5	141.8	72.8	35.4	24.4	18.5	15.2
17.5°	628.0	553.7	462.0	338.3	239.5	171.8	95.1	40.4	26.7	19.5	15.5
15°	831.6	680.8	567.1	413.3	284.0	202.8	118.6	45.2	29.1	20.5	15.9
12.5°	1079.8	809.1	678.7	492.3	327.5	234.1	142.8	49.8	31.6	22.2	16.4
10°	1352.8	937.5	794.2	573.3	369.6	265.2	166.9	57.7	36.5	24.6	16.8
7.5°	1639.0	1064.7	910.7	653.9	414.8	309.0	214.0	74.0	41.7	27.2	17.2
5°	1905.1	1179.3	1026.1	754.2	485.2	365.4	264.8	90.9	47.0	29.7	17.6
2.5°	2064.1	1272.6	1134.5	851.7	553.1	419.7	314.0	107.8	52.1	32.2	18.0
0°	2192.9	1359.6	1233.6	941.0	617.8	471.5	359.7	124.0	56.9	34.5	18.3
-2.5°	2219.3	1409.1	1268.0	991.7	678.5	522.2	396.6	150.7	75.6	45.8	24.3
-5°	2214.0	1452.8	1294.7	1033.6	734.4	569.3	427.4	175.6	93.5	56.6	30.2
-7.5°	2207.4	1473.5	1308.6	1063.9	785.1	612.0	451.4	198.3	110.3	66.7	35.6
-10°	2159.2	1478.1	1305.2	1059.8	795.9	629.5	464.7	218.2	125.6	75.8	40.5
-12.5°	2054.3	1477.2	1296.0	1046.4	793.1	624.0	450.8	232.2	139.0	83.8	44.6
-15°	1887.1	1471.0	1281.8	1023.7	782.3	614.8	434.5	242.0	149.7	90.9	47.8
-17.5°	1642.1	1459.5	1263.2	991.8	762.6	602.0	416.7	248.9	158.7	97.3	50.8
-20°	1526.8	1403.4	1236.8	950.6	733.5	585.7	398.3	252.9	165.9	101.9	53.3



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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°	1441.6	1310.7	1141.2	912.5	702.5	565.9	380.1	253.9	171.1	104.7	54.7
-25°	1342.9	1215.4	1039.6	842.5	676.6	537.0	370.4	251.7	174.2	105.5	54.7
-27.5°	1236.3	1114.6	943.0	772.5	638.2	510.9	365.8	254.1	175.1	104.2	53.3
-30°	1128.9	1009.5	861.0	709.6	598.1	475.3	357.4	254.0	173.3	102.0	50.4
-32.5°	1046.5	914.2	784.3	663.4	556.2	439.1	337.4	251.0	168.6	98.5	48.2
-35°	969.0	836.9	712.2	616.1	514.2	408.8	314.0	245.3	160.8	92.9	45.6
-37.5°	888.3	766.6	659.9	569.2	472.8	376.1	295.0	227.0	150.0	85.0	41.7
-40°	810.5	701.9	610.2	524.8	433.7	341.1	274.2	206.2	138.4	74.9	36.7
-42.5°	732.4	645.6	561.2	481.1	393.1	315.9	251.4	184.0	121.9	66.2	30.4
-45°	669.3	588.0	510.3	433.3	352.5	289.1	225.3	160.8	103.4	57.6	25.7
-47.5°	604.2	529.7	458.8	385.6	320.9	259.9	197.8	138.5	83.8	47.3	24.2
-50°	538.7	473.0	408.8	346.1	287.5	228.3	169.4	114.7	69.8	35.2	22.4
-52.5°	484.4	421.6	363.8	308.1	251.8	195.3	141.0	90.2	54.9	29.4	20.2
-55°	434.4	373.4	320.9	267.7	214.3	161.5	110.9	71.9	38.9	26.2	17.9
-57.5°	386.8	326.9	275.6	225.5	174.6	125.7	85.4	52.5	31.9	22.7	17.7
-60°	337.9	278.8	228.5	179.5	132.3	93.3	62.2	37.0	27.4	19.6	17.3
-62.5°	278.1	225.2	174.8	130.1	94.7	65.2	41.1	31.3	22.5	18.9	16.9
-65°	210.0	161.7	118.8	89.4	61.7	41.6	33.7	25.1	20.5	18.0	16.3
-67.5°	135.2	104.9	76.4	51.0	40.5	33.6	26.1	21.9	19.1	17.0	15.7
-70°	80.9	55.9	44.2	38.2	32.0	26.1	22.7	19.8	17.6	16.2	15.1
-72.5°	45.9	40.1	34.6	29.5	26.2	23.0	20.1	17.8	16.4	15.3	14.4
-75°	33.6	30.6	28.0	25.3	22.5	19.9	17.9	16.2	15.1	14.3	13.8
-77.5°	27.2	25.0	23.0	21.3	19.3	17.5	15.9	14.6	14.0	13.6	13.2
-80°	21.1	19.8	18.8	17.9	16.5	15.1	14.3	13.6	13.2	12.9	12.6
-82.5°	15.0	15.1	15.2	15.1	14.3	13.7	13.1	12.7	12.5	12.2	12.0
-85°	13.1	13.1	13.0	12.8	12.5	12.2	12.2	12.2	12.1	11.9	11.6
-87.5°	11.6	11.5	11.4	11.3	11.5	11.7	11.9	12.2	11.9	11.5	11.1
-90°	8.1	8.1	8.1	8.1	8.6	9.2	9.7	10.2	10.2	10.2	10.2



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.2	10.2	10.2	10.2	10.2	10.2	10.2
87.5°	10.2	10.3	10.4	10.4	10.4	10.2	10.2
85°	10.2	10.4	10.5	10.6	10.5	10.3	10.2
82.5°	10.2	10.5	10.7	10.8	10.7	10.3	10.2
80°	10.3	10.7	10.9	11.0	10.9	10.4	10.2
77.5°	10.8	10.9	11.1	11.2	11.0	10.4	10.2
75°	11.3	11.2	11.3	11.4	11.2	10.4	10.2
72.5°	11.8	11.5	11.5	11.6	11.3	10.5	10.2
70°	12.2	11.8	11.6	11.8	11.5	10.5	10.2
67.5°	12.2	12.1	11.8	11.9	11.6	10.6	10.2
65°	12.2	12.2	11.9	11.9	11.7	10.6	10.2
62.5°	12.2	12.2	12.1	12.0	11.8	10.6	10.2
60°	12.2	12.2	12.2	12.0	11.9	10.6	10.2
57.5°	12.2	12.2	12.2	12.1	11.9	10.7	10.2
55°	12.2	12.2	12.2	12.1	11.9	10.7	10.2
52.5°	12.2	12.2	12.2	12.2	11.9	10.7	10.2
50°	12.2	12.2	12.2	12.2	11.9	10.7	10.2
47.5°	12.2	12.2	12.2	12.2	11.9	10.7	10.2
45°	12.4	12.2	12.2	12.2	11.9	10.7	10.2
42.5°	12.6	12.2	12.2	12.2	11.9	10.7	10.2
40°	12.8	12.2	12.2	12.2	11.9	10.7	10.2
37.5°	13.0	12.2	12.2	12.2	11.9	10.7	10.2
35°	13.3	12.3	12.2	12.2	11.9	10.7	10.2
32.5°	13.6	12.5	12.2	12.2	11.9	10.7	10.2
30°	13.7	12.8	12.2	12.2	11.9	10.6	10.2
27.5°	13.8	13.0	12.2	12.2	12.0	10.6	10.2
25°	13.9	13.2	12.2	12.2	12.0	10.6	10.2
22.5°	14.0	13.4	12.2	12.2	12.0	10.6	10.2
20°	14.2	13.6	12.2	12.2	12.0	10.5	10.2
17.5°	14.3	13.7	12.2	12.2	12.1	10.5	10.2
15°	14.5	13.9	12.2	12.2	12.1	10.5	10.2
12.5°	14.8	14.0	12.2	12.2	12.1	10.4	10.2
10°	15.1	14.0	12.2	12.2	12.1	10.4	10.2
7.5°	15.4	14.1	12.2	12.2	12.2	10.3	10.2
5°	15.7	14.2	12.2	12.2	12.2	10.3	10.2
2.5°	16.0	14.2	12.2	12.2	12.2	10.2	10.2
0°	16.3	14.2	12.2	12.2	12.2	10.2	10.2
-2.5°	17.9	14.2	12.2	12.2	12.2	10.2	10.2
-5°	19.4	14.2	12.2	12.2	12.2	10.2	10.2
-7.5°	20.8	14.1	12.2	12.2	12.2	10.2	10.2
-10°	22.0	14.0	12.2	12.2	12.1	10.2	10.2
-12.5°	22.9	14.0	12.2	12.2	12.1	10.2	10.2
-15°	23.5	13.9	12.2	12.2	12.1	10.2	10.2
-17.5°	23.8	13.7	12.2	12.2	12.0	10.2	10.2
-20°	24.1	13.6	12.2	12.2	12.0	10.2	10.2



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	24.8	13.4	12.2	12.2	11.9	10.2	10.2
-25°	24.8	13.7	12.2	12.2	11.8	10.2	10.2
-27.5°	24.2	13.9	12.2	12.2	11.7	10.2	10.2
-30°	22.7	14.1	12.2	12.2	11.7	10.2	10.2
-32.5°	20.5	14.1	12.4	12.2	11.6	10.2	10.2
-35°	19.7	13.9	12.6	12.2	11.5	10.2	10.2
-37.5°	19.5	13.8	12.7	12.2	11.4	10.2	10.2
-40°	19.1	14.0	12.8	12.2	11.3	10.2	10.2
-42.5°	18.4	14.1	12.9	12.2	11.1	10.2	10.2
-45°	17.4	14.2	13.0	12.3	11.0	10.2	10.2
-47.5°	16.2	14.3	13.0	12.3	10.9	10.2	10.2
-50°	16.0	14.3	13.1	12.2	10.8	10.2	10.2
-52.5°	15.9	14.3	13.1	12.0	10.6	10.2	10.2
-55°	15.8	14.2	13.0	11.9	10.5	10.2	10.2
-57.5°	15.7	14.1	13.0	11.7	10.3	10.2	10.2
-60°	15.5	14.0	12.9	11.5	10.2	10.2	10.2
-62.5°	15.2	13.8	12.7	11.3	10.2	10.2	10.2
-65°	14.9	13.6	12.4	11.1	10.2	10.2	10.2
-67.5°	14.5	13.3	12.1	10.9	10.2	10.2	10.2
-70°	14.1	12.9	11.8	10.7	10.2	10.2	10.2
-72.5°	13.6	12.6	11.5	10.6	10.2	10.2	10.2
-75°	13.2	12.2	11.2	10.5	10.2	10.2	10.2
-77.5°	12.7	11.8	11.0	10.5	10.2	10.2	10.2
-80°	12.2	11.5	10.9	10.4	10.2	10.2	10.2
-82.5°	11.7	11.2	10.7	10.4	10.2	10.2	10.2
-85°	11.2	10.8	10.5	10.3	10.2	10.2	10.2
-87.5°	10.7	10.5	10.4	10.3	10.2	10.2	10.2
-90°	10.2	10.2	10.2	10.2	10.2	10.2	10.2

(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

