

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: P701443 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-80-3S-CV1-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701443 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0320L-57-80-3S-CV1-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

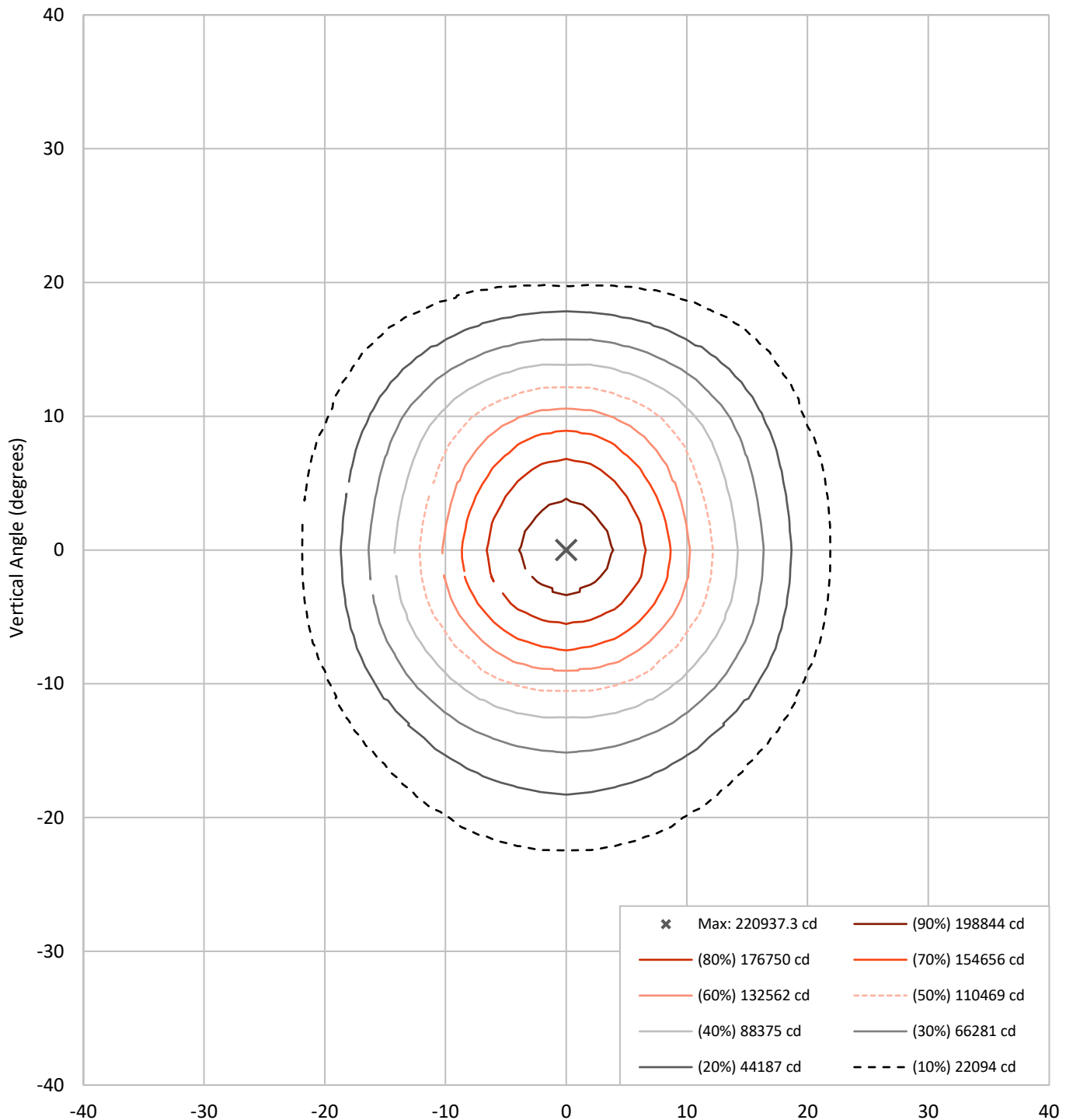
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	45791 lumens	Max Intensity:	220937.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	133.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.3°H x 22.7°V	Field Angle (10%):	43.8°H x 42.1°V
Beam Lumens:	21592.6 lumens	Field Lumens:	39008 lumens
Beam Efficiency:	47.2%	Field Efficiency:	85.2%

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

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CATALOG NUMBER: EPH-LS-08-0320L-57-80-3S-CV1-S

### Iso-Candela Plot





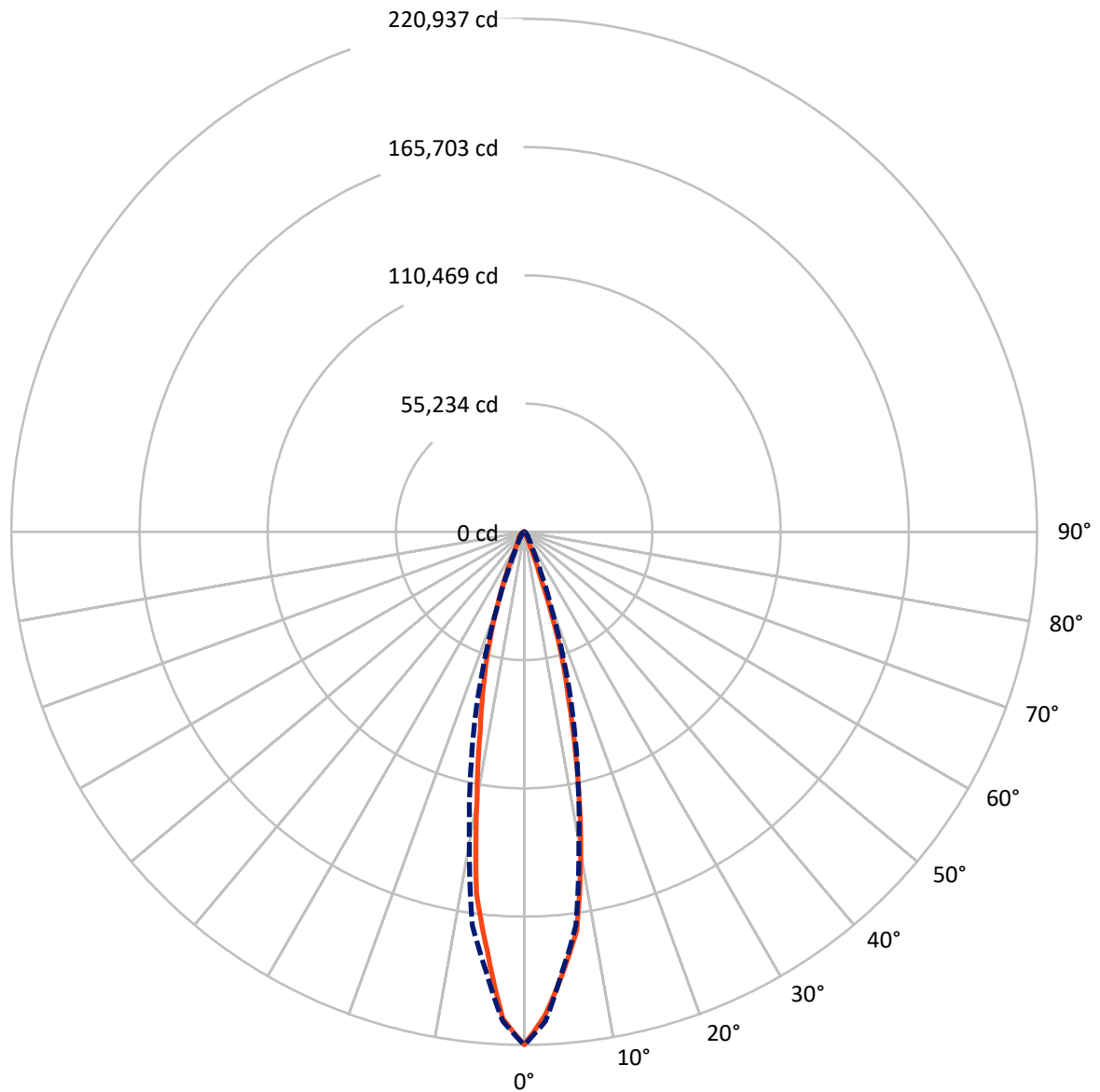
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### Lumen Table

90	0.1		0.1		0.3		0.3		0.3		0.3		0.3		0.1		0.1	
80	0.1		0.1		0.3		0.3		0.3		0.3		0.3		0.1		0.1	
70	0.1	0.0	0.1	0.4	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.4	0.1	0.0	0.1		
60		0.1	0.3	0.5	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5	0.3	0.1			
50	0.1	0.1	0.4	0.4	0.4	0.7	1.2	0.8	0.8	1.2	0.7	0.4	0.4	0.4	0.1	0.1		
40		0.2	0.8	1.8	3.2	4.7	6.4	7.7	7.7	6.4	4.7	3.2	1.8	0.8	0.2			
30	0.1	0.4	3.1	9.8	22.6	37.6	77.2	148.7	148.7	77.2	37.6	22.6	9.8	3.1	0.4	0.1		
20		0.9	6.7	24.9	60.2	159.4	877.6	2071.0	2071.0	877.6	159.4	60.2	24.9	6.7	0.9			
10	0.2	1.4	8.9	33.1	77.5	339.9	2103.8	4933.9	4933.9	2103.8	339.9	77.5	33.1	8.9	1.4	0.2		
0		1.8	9.5	33.6	77.6	336.6	2067.1	4728.2	4728.2	2067.1	336.6	77.6	33.6	9.5	1.8			
-10	0.4	2.1	9.0	27.9	61.0	160.7	838.1	1891.5	1891.5	838.1	160.7	61.0	27.9	9.0	2.1	0.4		
-20		2.2	8.3	20.9	52.0	91.1	208.5	426.3	426.3	208.5	91.1	52.0	20.9	8.3	2.2			
-30	0.3	2.0	7.2	15.8	38.4	75.3	105.8	129.9	129.9	105.8	75.3	38.4	15.8	7.2	2.0	0.3		
-40		1.4	5.5	12.5	23.3	41.4	67.7	86.7	86.7	67.7	41.4	23.3	12.5	5.5	1.4			
-50	0.2	0.7	3.3	8.4	15.9	24.5	32.8	37.9	37.9	32.8	24.5	15.9	8.4	3.3	0.7	0.2		
-60		0.3	1.1	3.6	7.4	11.8	16.1	18.5	18.5	16.1	11.8	7.4	3.6	1.1	0.3			
-70	0.1	0.7	2.3	6.0	8.2	6.0	2.3	0.7	0.1									
-80		0.1	0.7	2.3	6.0	8.2	6.0	2.3										
-90	0.1		0.7		2.3		6.0		8.2		6.0		2.3		0.7		0.1	

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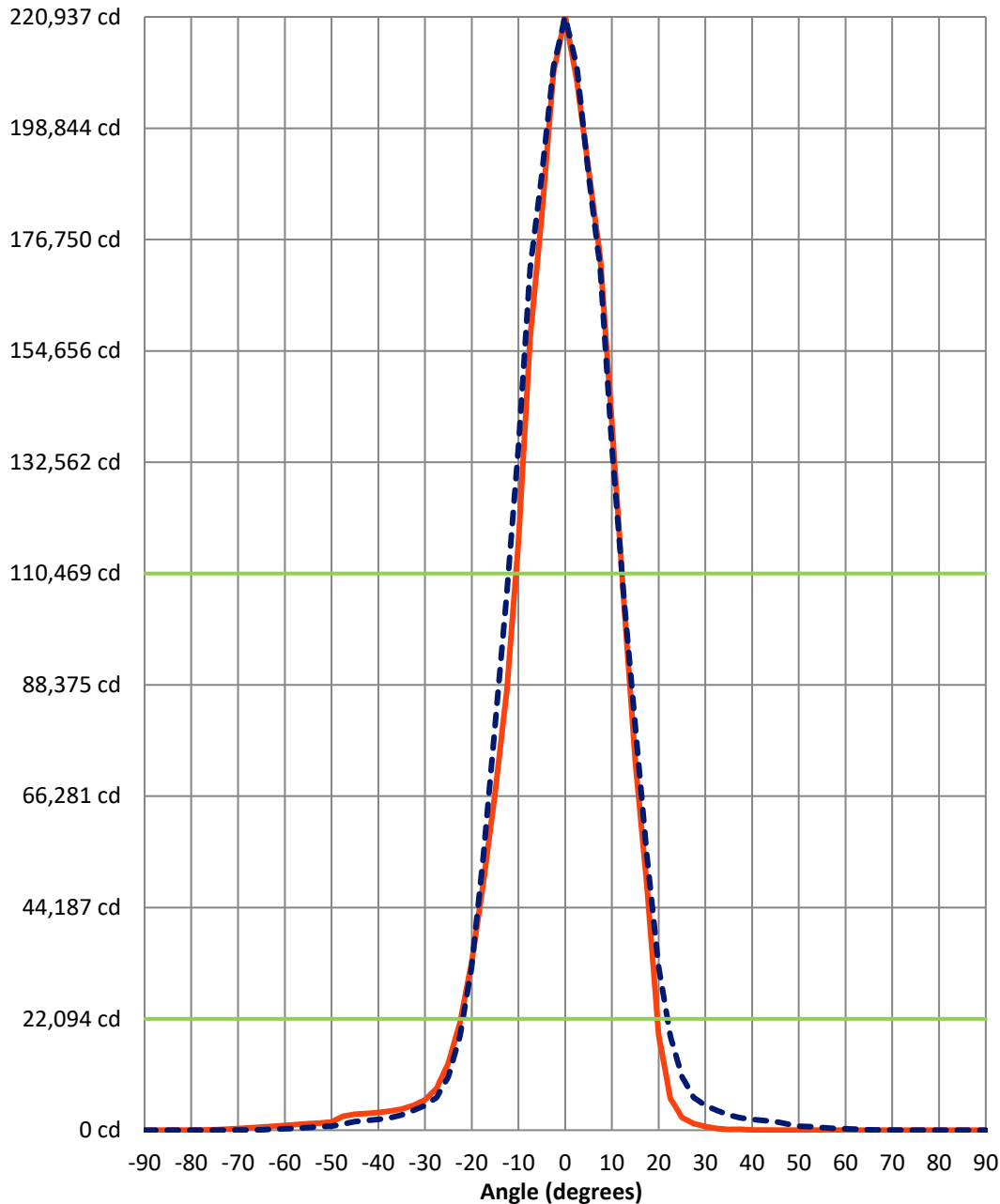
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 24.3°  
V Angle: 22.7°  
Lumens: 21592.6  
Efficiency: 47.2%

**Field:**  
H Angle: 43.8°  
V Angle: 42.1°  
Lumens: 39008  
Efficiency: 85.2%

**Spill:**  
Lumens: 6783  
Efficiency: 14.8%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	2.2	2.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
87.5°	2.2	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.3	2.4	2.4	2.4	2.3	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.4	2.5	2.6	2.5	2.4	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.4	2.6	2.7	2.6	2.5	2.3	2.4	2.4	2.4	2.2
77.5°	2.2	2.5	2.7	2.8	2.7	2.6	2.6	2.7	2.7	2.5	2.3
75°	2.2	2.5	2.8	2.9	2.9	2.8	2.9	3.0	2.9	2.6	2.3
72.5°	2.2	2.6	2.9	3.0	3.0	3.0	3.2	3.2	2.9	2.6	2.3
70°	2.2	2.6	3.0	3.2	3.1	3.2	3.4	3.2	2.9	2.7	2.7
67.5°	2.2	2.7	3.1	3.2	3.2	3.3	3.4	3.3	3.0	2.9	3.1
65°	2.2	2.7	3.2	3.2	3.2	3.4	3.4	3.3	3.1	3.2	3.4
62.5°	2.2	2.8	3.3	3.3	3.3	3.4	3.4	3.3	3.3	3.4	3.5
60°	2.2	2.8	3.4	3.3	3.4	3.4	3.4	3.4	3.4	3.6	3.7
57.5°	2.2	2.8	3.4	3.3	3.4	3.4	3.4	3.4	3.6	3.9	3.9
55°	2.2	2.9	3.4	3.4	3.4	3.4	3.5	3.5	3.9	4.1	4.1
52.5°	2.2	2.9	3.4	3.4	3.4	3.4	3.6	3.7	4.2	4.4	4.4
50°	2.2	3.0	3.4	3.4	3.4	3.5	3.7	4.1	4.5	4.8	5.9
47.5°	2.2	3.0	3.4	3.4	3.4	3.6	3.9	4.4	4.9	5.2	7.4
45°	2.2	3.0	3.4	3.4	3.4	3.7	4.1	4.7	5.2	6.3	8.8
42.5°	2.2	3.1	3.4	3.4	3.4	3.9	4.4	5.0	5.6	7.4	11.4
40°	2.2	3.1	3.4	3.4	3.5	4.0	4.6	5.2	6.0	8.4	14.0
37.5°	2.2	3.2	3.4	3.4	3.6	4.2	4.8	5.5	6.8	9.6	16.5
35°	2.2	3.2	3.4	3.4	3.7	4.3	5.1	5.8	7.5	11.9	18.6
32.5°	2.2	3.2	3.4	3.4	3.8	4.5	5.3	6.1	8.1	14.2	20.4
30°	2.2	3.2	3.4	3.4	3.9	4.7	5.5	6.4	8.7	16.5	22.3
27.5°	2.2	3.3	3.4	3.4	4.0	4.9	5.7	6.8	9.7	18.7	24.2
25°	2.2	3.3	3.4	3.4	4.1	5.0	5.9	7.3	11.5	20.5	26.3
22.5°	2.2	3.3	3.4	3.4	4.2	5.2	6.1	7.6	13.2	22.1	30.0
20°	2.2	3.3	3.4	3.4	4.2	5.3	6.3	7.9	14.8	23.7	33.9
17.5°	2.2	3.3	3.4	3.4	4.3	5.3	6.5	8.2	16.3	25.3	38.1
15°	2.2	3.4	3.4	3.4	4.3	5.4	6.7	8.6	17.7	26.8	42.3
12.5°	2.2	3.4	3.4	3.4	4.4	5.5	6.9	9.1	19.4	28.2	46.6
10°	2.2	3.4	3.4	3.4	4.4	5.5	7.1	9.5	21.2	30.5	51.4
7.5°	2.2	3.4	3.4	3.4	4.5	5.6	7.3	10.0	22.9	32.9	57.3
5°	2.2	3.4	3.4	3.4	4.5	5.6	7.5	10.4	24.4	35.2	62.9
2.5°	2.2	3.4	3.4	3.4	4.5	5.6	7.7	10.8	25.8	37.3	68.2
0°	2.2	3.4	3.4	3.4	4.5	5.6	7.9	11.2	26.9	39.3	73.0
-2.5°	2.2	3.4	3.4	3.5	4.7	6.1	9.2	14.7	33.1	49.4	86.0
-5°	2.2	3.4	3.5	3.7	4.9	6.6	10.5	18.1	38.9	59.1	98.1
-7.5°	2.2	3.4	3.5	3.8	5.0	7.0	11.7	21.2	44.2	68.1	109.3
-10°	2.2	3.4	3.6	4.0	5.2	7.4	12.8	24.1	49.0	76.4	119.3
-12.5°	2.2	3.4	3.6	4.1	5.4	7.8	13.7	26.5	53.0	83.8	129.5
-15°	2.2	3.4	3.7	4.2	5.5	8.1	14.5	28.5	56.5	90.5	138.5
-17.5°	2.2	3.4	3.7	4.3	5.6	8.4	15.1	30.4	59.7	96.1	145.3
-20°	2.2	3.3	3.7	4.4	5.8	8.6	15.6	32.0	61.8	100.5	149.9



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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-3S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	2.2	3.3	3.8	4.5	5.9	8.7	16.1	32.9	62.8	103.7	152.0
-25°	2.2	3.3	3.8	4.6	6.0	8.8	16.3	33.1	62.6	105.4	151.3
-27.5°	2.2	3.3	3.8	4.7	6.0	8.8	16.1	32.4	61.2	105.5	152.8
-30°	2.2	3.3	3.8	4.7	6.1	8.8	15.4	31.0	59.8	103.6	152.5
-32.5°	2.2	3.3	3.8	4.8	6.2	8.6	14.3	29.9	58.0	100.0	150.3
-35°	2.2	3.2	3.8	4.8	6.2	8.4	13.7	28.6	55.1	94.7	146.1
-37.5°	2.2	3.2	3.8	4.8	6.2	8.1	13.4	26.6	50.9	87.6	136.8
-40°	2.2	3.2	3.8	4.8	6.2	8.1	12.9	24.0	45.5	80.9	125.3
-42.5°	2.2	3.2	3.8	4.8	6.1	8.1	12.2	20.6	40.8	72.4	112.0
-45°	2.2	3.2	3.7	4.7	6.1	8.0	11.3	17.9	36.2	62.5	97.6
-47.5°	2.2	3.2	3.7	4.6	6.0	7.8	10.4	16.7	30.6	51.4	84.9
-50°	2.2	3.1	3.6	4.6	5.9	7.6	10.0	15.3	24.0	43.8	70.9
-52.5°	2.2	3.1	3.6	4.5	5.8	7.4	9.6	13.6	20.4	35.4	56.0
-55°	2.2	3.1	3.5	4.4	5.6	7.1	9.2	11.9	18.1	26.4	45.7
-57.5°	2.2	3.1	3.5	4.3	5.5	6.9	8.8	11.3	15.7	22.1	34.6
-60°	2.2	3.1	3.4	4.2	5.3	6.7	8.3	10.7	13.5	19.1	25.6
-62.5°	2.2	3.0	3.4	4.1	5.1	6.4	7.9	9.9	12.6	16.0	21.9
-65°	2.2	3.0	3.4	3.9	4.9	6.1	7.5	9.2	11.7	14.4	18.0
-67.5°	2.2	3.0	3.4	3.8	4.7	5.8	7.1	8.7	10.6	13.2	15.8
-70°	2.2	3.0	3.4	3.7	4.5	5.4	6.6	8.1	9.9	11.9	14.3
-72.5°	2.2	3.0	3.4	3.6	4.2	5.1	6.1	7.5	9.1	10.9	12.8
-75°	2.2	2.9	3.4	3.6	4.0	4.7	5.6	6.8	8.3	9.8	11.5
-77.5°	2.2	2.9	3.4	3.6	3.9	4.3	5.1	6.2	7.4	8.8	10.3
-80°	2.2	2.9	3.4	3.5	3.8	4.1	4.5	5.5	6.5	7.7	8.9
-82.5°	2.2	2.9	3.4	3.5	3.7	3.9	4.2	4.9	5.6	6.6	7.6
-85°	2.2	2.9	3.4	3.5	3.6	3.8	4.0	4.4	4.9	5.5	6.2
-87.5°	2.2	2.8	3.4	3.4	3.5	3.6	3.7	3.9	4.2	4.5	4.8
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	3.7	4.0	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	1.9	1.7	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.9	1.7	1.4	1.3	1.3	1.3	1.2	1.1	1.1	1.1	1.1
82.5°	2.0	1.9	1.9	1.9	1.8	1.6	1.4	1.3	1.3	1.3	1.2
80°	2.2	2.2	2.2	2.2	2.1	2.0	2.0	2.0	1.9	1.8	1.6
77.5°	2.2	2.2	2.2	2.2	2.2	2.3	2.5	2.8	2.8	2.7	2.5
75°	2.2	2.2	2.3	2.2	2.3	2.6	3.0	3.3	3.3	3.2	3.2
72.5°	2.4	2.5	2.5	2.3	2.6	3.0	3.3	3.4	4.1	5.0	5.6
70°	2.9	2.9	2.9	2.9	3.2	3.7	4.8	6.4	8.0	9.1	10.6
67.5°	3.3	3.2	3.2	3.5	4.3	5.6	7.4	11.3	15.7	17.4	18.3
65°	3.4	3.4	3.7	4.4	5.5	8.8	13.1	18.3	23.7	24.9	24.8
62.5°	3.4	3.6	4.1	5.8	8.9	13.1	18.7	24.5	30.2	29.3	25.8
60°	3.5	3.7	5.7	9.0	12.7	18.3	24.5	27.6	29.4	29.2	25.1
57.5°	3.6	4.9	8.4	12.6	17.9	22.8	24.7	26.6	27.6	28.5	23.7
55°	4.6	7.2	11.5	17.1	21.5	22.5	23.6	24.2	25.2	23.4	18.1
52.5°	6.6	9.8	15.5	20.4	22.3	22.1	21.0	21.1	19.5	17.0	14.3
50°	8.5	13.5	18.9	21.9	22.8	21.1	18.1	17.2	15.6	13.6	11.7
47.5°	11.4	17.1	20.9	23.5	22.9	20.5	17.0	14.9	13.2	12.7	10.9
45°	14.6	19.6	23.2	24.3	23.1	20.0	17.2	13.5	14.2	14.1	13.9
42.5°	17.7	21.7	24.7	25.6	23.1	21.1	18.6	17.7	17.5	19.8	21.3
40°	19.6	23.6	26.5	26.8	24.0	23.5	25.2	26.2	25.3	29.1	32.3
37.5°	21.3	25.7	29.3	30.6	27.1	29.9	34.1	46.0	47.1	40.3	51.6
35°	23.0	28.1	34.8	40.0	39.8	40.1	58.2	76.2	84.6	74.0	83.8
32.5°	25.0	30.9	42.4	56.0	67.3	69.1	88.8	125.4	142.5	143.2	141.8
30°	28.0	38.1	54.3	76.8	105.3	132.9	147.9	188.1	215.7	262.9	298.6
27.5°	32.1	47.4	74.3	111.7	156.7	211.7	245.1	268.4	336.4	424.6	519.6
25°	36.8	66.2	97.3	156.6	233.1	302.9	345.6	373.5	492.2	667.2	789.6
22.5°	47.0	90.3	131.1	207.6	319.4	397.8	442.8	532.8	716.9	951.8	1096.8
20°	64.6	119.9	170.7	254.1	407.6	495.0	537.6	716.2	1000.3	1241.3	1441.0
17.5°	84.9	149.7	210.1	308.7	457.2	569.7	642.1	912.5	1302.2	1518.7	1747.4
15°	107.3	179.4	245.1	357.1	505.0	614.0	770.6	1149.2	1578.4	1785.1	2021.1
12.5°	131.0	208.8	276.1	399.6	552.0	654.9	885.7	1317.9	1721.0	2000.9	2307.0
10°	155.2	237.5	303.4	436.2	597.5	692.5	993.7	1458.6	1796.4	2059.6	2416.8
7.5°	170.1	257.3	325.8	467.3	640.2	726.9	1092.3	1572.2	1849.9	2094.4	2431.8
5°	181.0	266.8	336.8	488.4	670.0	754.3	1172.8	1659.7	1884.7	2108.2	2405.2
2.5°	189.0	274.2	346.2	504.2	688.3	773.1	1210.6	1693.5	1907.7	2125.2	2409.1
0°	194.2	279.5	353.6	515.3	700.5	789.2	1230.3	1705.2	1921.8	2139.6	2449.4
-2.5°	201.1	287.2	365.4	526.6	703.6	792.8	1233.2	1700.6	1929.9	2174.0	2493.0
-5°	205.6	292.7	374.8	532.9	701.3	793.2	1217.7	1676.3	1918.2	2165.6	2476.3
-7.5°	208.3	296.1	381.6	533.4	689.3	781.2	1164.8	1599.9	1852.4	2084.5	2389.8
-10°	210.5	300.9	387.9	524.3	666.1	760.3	1090.3	1509.2	1779.3	1993.1	2279.8
-12.5°	217.6	307.4	392.7	513.4	642.3	736.7	999.2	1407.0	1700.5	1892.7	2161.1
-15°	222.6	312.6	395.5	501.4	619.3	710.7	892.0	1295.6	1640.3	1856.3	2086.4
-17.5°	225.5	316.9	396.5	489.3	598.2	682.3	774.3	1192.3	1592.5	1836.6	2049.1
-20°	226.3	320.3	395.8	477.8	579.8	665.4	748.1	1066.9	1475.5	1805.1	2016.1



REPORT NUMBER: P701443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-3S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	225.2	323.1	394.8	472.6	567.8	657.8	738.1	928.2	1321.1	1759.7	1973.8
-25°	224.6	319.3	394.6	465.2	554.3	648.6	727.7	798.6	1147.4	1585.5	1917.0
-27.5°	223.1	313.3	386.7	453.5	537.4	635.8	715.6	785.4	987.4	1387.5	1827.8
-30°	218.1	297.4	375.8	438.9	520.3	614.0	701.8	775.8	851.3	1185.3	1596.1
-32.5°	206.8	279.9	357.9	424.7	499.1	588.7	682.2	758.8	835.5	958.1	1347.7
-35°	194.9	263.5	336.9	407.0	473.5	559.7	649.0	736.1	812.3	892.5	1082.7
-37.5°	185.6	245.4	315.0	384.9	451.0	526.6	612.2	700.3	782.4	865.2	958.8
-40°	174.5	225.8	293.2	360.2	426.1	494.4	573.4	656.6	742.7	838.0	925.8
-42.5°	161.2	211.3	270.2	334.7	398.7	464.2	532.4	611.2	701.2	802.0	894.8
-45°	144.6	194.7	246.7	307.1	369.0	431.4	496.2	564.5	654.7	750.9	849.6
-47.5°	125.9	175.3	225.6	277.2	336.6	396.8	457.3	526.3	602.5	692.1	788.1
-50°	106.6	152.3	201.4	249.1	301.5	359.3	417.7	484.2	556.0	630.6	714.6
-52.5°	88.9	127.2	173.0	220.3	267.4	318.7	375.6	437.6	504.2	575.2	644.3
-55°	69.6	103.9	142.0	187.1	233.5	279.2	328.2	385.0	446.2	511.1	575.8
-57.5°	54.1	79.8	112.5	150.2	194.2	239.7	283.2	328.5	382.1	440.3	496.9
-60°	40.6	58.9	83.7	115.6	151.0	193.0	236.3	278.3	320.8	363.7	413.8
-62.5°	28.2	42.4	59.6	81.6	112.0	144.8	182.8	222.8	263.3	300.2	336.8
-65°	23.7	28.4	40.3	56.4	73.4	101.2	131.6	163.5	199.1	231.0	263.9
-67.5°	18.9	23.3	27.6	34.0	48.6	64.7	82.0	108.9	136.7	159.6	183.1
-70°	16.5	18.5	21.9	25.7	29.4	35.9	50.0	65.0	80.0	94.9	114.2
-72.5°	14.6	16.2	17.9	19.8	22.8	25.9	29.1	32.3	40.7	52.1	62.6
-75°	12.8	13.9	15.3	16.8	18.3	19.7	21.3	23.9	26.5	29.1	31.7
-77.5°	11.2	12.0	12.9	13.9	15.0	16.2	17.4	18.5	19.6	20.7	21.8
-80°	9.6	10.1	10.7	11.4	12.1	12.9	13.8	14.7	15.4	16.1	16.8
-82.5°	8.0	8.4	8.8	9.1	9.5	9.8	10.2	10.8	11.3	11.8	12.2
-85°	6.5	6.7	7.0	7.2	7.4	7.7	7.9	8.1	8.3	8.5	8.7
-87.5°	5.1	5.3	5.6	5.8	5.8	5.9	6.0	6.1	6.1	6.2	6.2
-90°	1.9	1.7	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



REPORT NUMBER: P701443 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.5	4.8	5.1	5.3	5.6	5.6	5.6	5.6	5.6	5.6	5.6
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.8	0.6
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.4	1.4	1.4	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	2.4	2.2	2.1	1.9	1.7	1.6	1.5	1.3	1.1	1.1	1.1
75°	3.3	3.3	3.3	3.2	2.9	2.6	2.5	2.2	2.0	2.0	2.1
72.5°	5.9	5.9	5.7	5.7	5.3	5.2	5.2	5.1	4.9	5.0	5.2
70°	11.5	11.8	11.6	10.8	9.6	8.7	8.2	7.6	6.7	6.6	7.0
67.5°	18.1	17.3	16.2	14.9	12.9	11.2	10.3	9.5	8.7	8.5	8.7
65°	23.0	19.5	17.1	15.2	13.6	11.9	10.9	9.8	8.8	8.2	8.1
62.5°	22.2	18.3	15.6	13.8	12.3	11.0	9.7	8.4	7.1	6.3	6.4
60°	20.9	16.5	13.0	11.3	10.0	9.1	7.9	6.9	6.1	5.6	5.7
57.5°	17.8	13.0	9.9	9.2	8.2	7.2	6.4	6.0	5.7	5.6	5.6
55°	13.7	11.0	9.2	8.2	7.2	6.2	5.6	5.8	5.8	5.6	5.8
52.5°	11.3	9.7	8.5	7.5	7.0	6.8	6.6	6.6	6.8	7.0	7.1
50°	10.1	9.0	8.5	7.8	7.7	7.8	7.8	8.1	8.5	8.6	8.5
47.5°	10.2	9.8	10.3	8.9	9.2	10.0	10.1	10.1	10.9	11.1	11.0
45°	12.9	15.5	15.6	14.3	13.6	16.6	16.8	15.2	23.3	22.8	17.3
42.5°	23.0	24.5	24.6	25.9	28.8	37.8	54.5	69.6	71.9	63.2	43.4
40°	37.0	35.7	38.6	46.3	68.6	89.0	104.4	150.5	150.1	117.5	118.3
37.5°	60.2	58.9	63.2	86.6	93.8	81.1	114.2	117.5	100.6	119.9	121.6
35°	103.7	117.6	102.5	127.2	128.4	114.8	123.3	137.6	117.3	140.4	150.4
32.5°	189.0	213.5	215.8	213.9	226.7	239.1	231.9	266.6	272.8	295.9	321.3
30°	307.1	354.3	390.3	383.4	404.5	441.6	453.7	506.8	559.7	592.5	672.9
27.5°	535.3	559.1	632.9	684.8	672.7	733.4	853.7	890.9	1042.7	1115.4	1220.1
25°	847.6	889.8	995.0	1118.3	1171.2	1272.7	1468.1	1561.7	1761.0	1862.8	2246.5
22.5°	1234.5	1377.5	1509.5	1675.3	1913.1	2115.0	2332.3	2697.5	3290.8	4143.3	5161.0
20°	1676.4	1916.0	2115.6	2421.7	2815.9	3195.8	3757.8	5378.3	7099.4	10689.3	13128.3
17.5°	2094.3	2474.8	2753.6	3160.2	3742.5	4693.3	6629.4	10251.6	15944.3	22898.5	29536.7
15°	2420.5	2809.4	3326.2	3939.9	4829.2	6690.0	10226.5	17386.0	28239.7	38836.3	49985.7
12.5°	2696.1	3107.4	3673.9	4505.2	5835.4	9180.1	15538.6	26323.6	40631.4	56406.4	73074.3
10°	2873.5	3373.0	4051.4	5149.3	7359.7	12111.6	20377.9	34830.0	54062.1	74658.0	93183.9
7.5°	2904.7	3514.1	4373.5	5709.0	8872.2	15169.7	26133.9	43135.0	64198.1	87395.0	110727.0
5°	2917.1	3645.7	4645.7	6148.6	9911.3	17381.8	29449.7	48455.8	71843.4	95667.0	120777.8
2.5°	2950.4	3774.8	4845.5	6456.3	10510.7	18700.9	31365.9	52267.1	76940.9	102810.4	130807.5
0°	3019.7	3909.9	4888.8	6508.6	10636.3	18728.8	32471.3	54451.1	80265.5	106402.1	135604.5
-2.5°	3057.3	3892.6	4852.3	6401.7	10474.3	18731.8	31409.0	52931.6	78531.9	104032.8	133460.4
-5°	2992.8	3718.8	4627.8	6079.0	9765.7	17233.8	29298.8	49008.3	72637.2	95565.4	119229.2
-7.5°	2854.4	3474.2	4308.8	5620.9	8667.0	14911.9	25484.6	41668.7	61733.5	81666.2	100102.3
-10°	2693.2	3214.9	3899.4	4955.7	7114.2	11790.7	19940.3	32674.4	49909.0	67020.5	82578.8
-12.5°	2519.2	2925.5	3432.3	4162.9	5506.6	8902.7	15112.2	24872.2	36789.4	49697.9	63829.8
-15°	2370.6	2670.1	3054.2	3676.4	4701.5	6632.4	10144.2	16639.0	25184.5	35304.2	45721.4
-17.5°	2270.6	2493.4	2827.9	3302.5	3932.5	5079.5	7621.1	11471.9	16970.2	24544.2	31424.2
-20°	2198.9	2408.4	2673.9	3047.5	3575.2	4383.8	5627.5	8281.5	11899.7	16808.8	21478.8



REPORT NUMBER: P701443 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2147.7	2336.2	2560.6	2861.3	3332.5	3964.4	4758.3	6046.4	8325.0	11219.9	14466.5
-25°	2097.4	2253.7	2501.2	2824.5	3148.4	3600.6	4149.2	4781.7	5995.6	7282.6	9275.5
-27.5°	2039.8	2233.2	2509.7	2811.7	3103.5	3327.9	3717.4	4153.6	4796.4	5418.7	6442.5
-30°	1997.9	2245.2	2520.3	2810.6	3035.4	3233.7	3451.6	3784.9	4200.8	4640.6	5111.3
-32.5°	1789.1	2208.4	2490.7	2751.0	2937.0	3121.3	3314.2	3545.5	3811.4	4090.0	4375.9
-35°	1509.3	1955.9	2393.9	2597.9	2786.4	2972.2	3173.5	3360.8	3548.4	3736.8	3916.3
-37.5°	1166.3	1603.9	2017.7	2374.2	2590.6	2779.9	2994.4	3186.7	3351.2	3492.8	3631.0
-40°	1018.8	1171.7	1571.9	1947.1	2262.1	2562.1	2764.3	2977.3	3160.7	3291.3	3408.7
-42.5°	978.3	1064.4	1153.1	1440.8	1788.6	2096.9	2371.2	2637.6	2889.8	3071.4	3211.0
-45°	943.0	1015.9	1092.0	1176.8	1261.5	1531.8	1817.0	2104.0	2400.9	2666.6	2881.7
-47.5°	877.9	966.1	1041.0	1111.2	1178.7	1255.5	1335.0	1449.3	1709.8	1975.7	2218.1
-50°	797.5	880.1	963.6	1046.6	1109.1	1168.1	1228.5	1296.7	1372.6	1450.1	1515.4
-52.5°	709.8	785.8	862.8	936.1	1006.0	1074.0	1140.3	1200.4	1257.0	1311.5	1343.6
-55°	638.6	699.5	760.1	822.9	886.6	948.8	1010.5	1072.6	1132.5	1189.7	1221.7
-57.5°	555.5	616.2	674.3	722.1	771.5	822.1	874.8	928.4	980.9	1029.8	1057.3
-60°	465.3	517.9	568.2	614.7	660.5	705.3	748.5	791.0	831.9	867.4	889.0
-62.5°	374.6	417.4	459.1	498.7	537.1	574.9	615.3	653.7	689.8	719.0	736.9
-65°	297.2	329.9	358.9	387.3	415.4	447.7	482.2	514.8	545.3	569.1	584.9
-67.5°	210.5	238.6	265.2	290.5	313.9	336.9	361.4	385.3	408.3	426.2	438.8
-70°	132.6	150.4	167.9	186.6	207.0	227.3	247.4	266.0	283.0	295.8	305.4
-72.5°	72.3	80.8	89.8	103.0	115.7	129.3	143.2	156.3	168.5	177.1	183.5
-75°	34.3	38.1	45.0	51.2	56.6	62.6	68.6	74.2	79.2	81.9	83.3
-77.5°	23.6	25.4	27.1	28.7	30.0	31.8	33.7	35.6	37.5	38.8	39.7
-80°	17.5	18.3	19.1	19.8	20.6	21.4	22.2	22.9	23.6	24.2	24.8
-82.5°	12.6	13.1	13.4	13.8	14.1	14.7	15.2	15.7	16.2	16.7	17.1
-85°	8.9	9.1	9.3	9.5	9.7	10.0	10.3	10.6	11.0	11.0	11.1
-87.5°	6.3	6.6	7.0	7.3	7.7	7.7	7.8	7.8	7.8	7.8	7.9
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.8	0.6



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	5.6	5.6	6.2	6.7	6.2	5.6	5.6	5.6	5.6	5.6	5.6
87.5°	0.3	0.0	0.5	1.1	0.5	0.0	0.3	0.6	0.8	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.6	2.2	1.6	1.1	1.1	1.1	1.1	1.1	1.3
75°	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.0	2.0	2.2
72.5°	5.4	5.5	5.6	5.6	5.6	5.5	5.4	5.2	5.0	4.9	5.1
70°	7.4	7.8	7.9	7.9	7.9	7.8	7.4	7.0	6.6	6.7	7.6
67.5°	8.9	9.0	9.0	9.0	9.0	9.0	8.9	8.7	8.5	8.7	9.5
65°	8.0	7.9	7.4	6.7	7.4	7.9	8.0	8.1	8.2	8.8	9.8
62.5°	6.5	6.7	6.7	6.7	6.7	6.7	6.5	6.4	6.3	7.1	8.4
60°	5.7	5.7	5.6	5.6	5.6	5.7	5.7	5.7	5.6	6.1	6.9
57.5°	5.6	5.6	6.0	6.7	6.0	5.6	5.6	5.6	5.6	5.7	6.0
55°	6.2	6.5	6.7	6.7	6.7	6.5	6.2	5.8	5.6	5.8	5.8
52.5°	7.1	6.8	6.7	6.7	6.7	6.8	7.1	7.1	7.0	6.8	6.6
50°	8.2	8.0	7.9	7.9	7.9	8.0	8.2	8.5	8.6	8.5	8.1
47.5°	10.7	10.3	10.1	10.1	10.1	10.3	10.7	11.0	11.1	10.9	10.1
45°	17.7	17.8	17.8	18.0	17.8	17.8	17.7	17.3	22.8	23.3	15.2
42.5°	41.6	36.0	31.1	31.4	31.1	36.0	41.6	43.4	63.2	71.9	69.6
40°	106.6	79.8	53.0	44.9	53.0	79.8	106.6	118.3	117.5	150.1	150.5
37.5°	109.8	112.0	131.8	177.4	131.8	112.0	109.8	121.6	119.9	100.6	117.5
35°	153.5	155.8	150.3	147.1	150.3	155.8	153.5	150.4	140.4	117.3	137.6
32.5°	326.3	340.8	339.0	330.0	339.0	340.8	326.3	321.3	295.9	272.8	266.6
30°	702.9	739.7	735.7	743.1	735.7	739.7	702.9	672.9	592.5	559.7	506.8
27.5°	1261.5	1306.9	1315.2	1305.5	1315.2	1306.9	1261.5	1220.1	1115.4	1042.7	890.9
25°	2504.2	2576.0	2549.8	2515.7	2549.8	2576.0	2504.2	2246.5	1862.8	1761.0	1561.7
22.5°	6350.7	6635.1	6605.8	6366.1	6605.8	6635.1	6350.7	5161.0	4143.3	3290.8	2697.5
20°	17448.1	19325.5	20142.6	19035.3	20142.6	19325.5	17448.1	13128.3	10689.3	7099.4	5378.3
17.5°	36931.2	42651.7	46719.0	48416.2	46719.0	42651.7	36931.2	29536.7	22898.5	15944.3	10251.6
15°	60410.0	69021.0	74029.0	73356.1	74029.0	69021.0	60410.0	49985.7	38836.3	28239.7	17386.0
12.5°	86866.7	97072.8	105530.8	105710.1	105530.8	97072.8	86866.7	73074.3	56406.4	40631.4	26323.6
10°	112457.0	126622.1	138166.4	140403.5	138166.4	126622.1	112457.0	93183.9	74658.0	54062.1	34830.0
7.5°	131655.6	153370.4	167861.7	173171.7	167861.7	153370.4	131655.6	110727.0	87395.0	64198.1	43135.0
5°	150628.2	173381.9	188147.8	190767.3	188147.8	173381.9	150628.2	120777.8	95667.0	71843.4	48455.8
2.5°	163425.0	186377.4	199298.8	208261.3	199298.8	186377.4	163425.0	130807.5	102810.4	76940.9	52267.1
0°	170920.9	189622.3	211003.1	220937.3	211003.1	189622.3	170920.9	135604.5	106402.1	80265.5	54451.1
-2.5°	165253.5	186292.0	198532.9	209821.6	198532.9	186292.0	165253.5	133460.4	104032.8	78531.9	52931.6
-5°	146483.2	169363.8	180178.1	181589.2	180178.1	169363.8	146483.2	119229.2	95565.4	72637.2	49008.3
-7.5°	119694.1	140997.7	151380.5	157112.2	151380.5	140997.7	119694.1	100102.3	81666.2	61733.5	41668.7
-10°	96893.5	109325.9	116315.6	116775.8	116315.6	109325.9	96893.5	82578.8	67020.5	49909.0	32674.4
-12.5°	74806.9	83146.1	87280.1	87128.9	87280.1	83146.1	74806.9	63829.8	49697.9	36789.4	24872.2
-15°	54894.6	61373.3	65102.2	66890.2	65102.2	61373.3	54894.6	45721.4	35304.2	25184.5	16639.0
-17.5°	38746.4	43893.2	47629.6	49139.1	47629.6	43893.2	38746.4	31424.2	24544.2	16970.2	11471.9
-20°	26414.7	29942.0	32366.1	33395.1	32366.1	29942.0	26414.7	21478.8	16808.8	11899.7	8281.5



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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°	17399.0	19763.7	21425.7	21336.6	21425.7	19763.7	17399.0	14466.5	11219.9	8325.0	6046.4
-25°	11091.6	12391.8	13245.5	13314.7	13245.5	12391.8	11091.6	9275.5	7282.6	5995.6	4781.7
-27.5°	7341.2	7912.7	8257.3	8317.1	8257.3	7912.7	7341.2	6442.5	5418.7	4796.4	4153.6
-30°	5556.3	5819.3	6016.2	6008.0	6016.2	5819.3	5556.3	5111.3	4640.6	4200.8	3784.9
-32.5°	4619.1	4748.5	4834.8	4904.5	4834.8	4748.5	4619.1	4375.9	4090.0	3811.4	3545.5
-35°	4039.5	4105.4	4153.5	4197.3	4153.5	4105.4	4039.5	3916.3	3736.8	3548.4	3360.8
-37.5°	3710.4	3756.0	3786.3	3796.5	3786.3	3756.0	3710.4	3631.0	3492.8	3351.2	3186.7
-40°	3453.5	3479.2	3494.4	3503.5	3494.4	3479.2	3453.5	3408.7	3291.3	3160.7	2977.3
-42.5°	3260.7	3295.9	3314.1	3313.8	3314.1	3295.9	3260.7	3211.0	3071.4	2889.8	2637.6
-45°	3005.1	3094.3	3148.3	3171.2	3148.3	3094.3	3005.1	2881.7	2666.6	2400.9	2104.0
-47.5°	2416.7	2586.0	2704.7	2767.1	2704.7	2586.0	2416.7	2218.1	1975.7	1709.8	1449.3
-50°	1574.1	1630.7	1654.5	1644.6	1654.5	1630.7	1574.1	1515.4	1450.1	1372.6	1296.7
-52.5°	1367.4	1387.7	1400.0	1405.4	1400.0	1387.7	1367.4	1343.6	1311.5	1257.0	1200.4
-55°	1248.6	1271.1	1285.7	1293.2	1285.7	1271.1	1248.6	1221.7	1189.7	1132.5	1072.6
-57.5°	1080.2	1098.4	1109.6	1114.7	1109.6	1098.4	1080.2	1057.3	1029.8	980.9	928.4
-60°	907.3	922.2	932.1	937.3	932.1	922.2	907.3	889.0	867.4	831.9	791.0
-62.5°	751.5	762.5	772.2	779.1	772.2	762.5	751.5	736.9	719.0	689.8	653.7
-65°	597.6	607.4	614.5	618.5	614.5	607.4	597.6	584.9	569.1	545.3	514.8
-67.5°	449.2	457.2	463.8	468.1	463.8	457.2	449.2	438.8	426.2	408.3	385.3
-70°	313.2	319.1	324.9	328.9	324.9	319.1	313.2	305.4	295.8	283.0	266.0
-72.5°	188.6	192.3	194.0	194.2	194.0	192.3	188.6	183.5	177.1	168.5	156.3
-75°	84.2	84.4	86.2	87.6	86.2	84.4	84.2	83.3	81.9	79.2	74.2
-77.5°	40.5	41.2	42.0	42.7	42.0	41.2	40.5	39.7	38.8	37.5	35.6
-80°	25.2	25.7	25.8	25.8	25.8	25.7	25.2	24.8	24.2	23.6	22.9
-82.5°	17.5	17.9	18.0	18.0	18.0	17.9	17.5	17.1	16.7	16.2	15.7
-85°	11.1	11.2	11.2	11.2	11.2	11.2	11.1	11.1	11.0	11.0	10.6
-87.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.8	7.8	7.8
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.1



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5.6	5.6	5.6	5.3	5.1	4.8	4.5	4.5	4.5	4.5	4.5
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.3	1.3
80°	1.1	1.1	1.1	1.3	1.4	1.4	1.4	1.6	1.8	1.9	2.0
77.5°	1.5	1.6	1.7	1.9	2.1	2.2	2.4	2.5	2.7	2.8	2.8
75°	2.5	2.6	2.9	3.2	3.3	3.3	3.3	3.2	3.2	3.3	3.3
72.5°	5.2	5.2	5.3	5.7	5.7	5.9	5.9	5.6	5.0	4.1	3.4
70°	8.2	8.7	9.6	10.8	11.6	11.8	11.5	10.6	9.1	8.0	6.4
67.5°	10.3	11.2	12.9	14.9	16.2	17.3	18.1	18.3	17.4	15.7	11.3
65°	10.9	11.9	13.6	15.2	17.1	19.5	23.0	24.8	24.9	23.7	18.3
62.5°	9.7	11.0	12.3	13.8	15.6	18.3	22.2	25.8	29.3	30.2	24.5
60°	7.9	9.1	10.0	11.3	13.0	16.5	20.9	25.1	29.2	29.4	27.6
57.5°	6.4	7.2	8.2	9.2	9.9	13.0	17.8	23.7	28.5	27.6	26.6
55°	5.6	6.2	7.2	8.2	9.2	11.0	13.7	18.1	23.4	25.2	24.2
52.5°	6.6	6.8	7.0	7.5	8.5	9.7	11.3	14.3	17.0	19.5	21.1
50°	7.8	7.8	7.7	7.8	8.5	9.0	10.1	11.7	13.6	15.6	17.2
47.5°	10.1	10.0	9.2	8.9	10.3	9.8	10.2	10.9	12.7	13.2	14.9
45°	16.8	16.6	13.6	14.3	15.6	15.5	12.9	13.9	14.1	14.2	13.5
42.5°	54.5	37.8	28.8	25.9	24.6	24.5	23.0	21.3	19.8	17.5	17.7
40°	104.4	89.0	68.6	46.3	38.6	35.7	37.0	32.3	29.1	25.3	26.2
37.5°	114.2	81.1	93.8	86.6	63.2	58.9	60.2	51.6	40.3	47.1	46.0
35°	123.3	114.8	128.4	127.2	102.5	117.6	103.7	83.8	74.0	84.6	76.2
32.5°	231.9	239.1	226.7	213.9	215.8	213.5	189.0	141.8	143.2	142.5	125.4
30°	453.7	441.6	404.5	383.4	390.3	354.3	307.1	298.6	262.9	215.7	188.1
27.5°	853.7	733.4	672.7	684.8	632.9	559.1	535.3	519.6	424.6	336.4	268.4
25°	1468.1	1272.7	1171.2	1118.3	995.0	889.8	847.6	789.6	667.2	492.2	373.5
22.5°	2332.3	2115.0	1913.1	1675.3	1509.5	1377.5	1234.5	1096.8	951.8	716.9	532.8
20°	3757.8	3195.8	2815.9	2421.7	2115.6	1916.0	1676.4	1441.0	1241.3	1000.3	716.2
17.5°	6629.4	4693.3	3742.5	3160.2	2753.6	2474.8	2094.3	1747.4	1518.7	1302.2	912.5
15°	10226.5	6690.0	4829.2	3939.9	3326.2	2809.4	2420.5	2021.1	1785.1	1578.4	1149.2
12.5°	15538.6	9180.1	5835.4	4505.2	3673.9	3107.4	2696.1	2307.0	2000.9	1721.0	1317.9
10°	20377.9	12111.6	7359.7	5149.3	4051.4	3373.0	2873.5	2416.8	2059.6	1796.4	1458.6
7.5°	26133.9	15169.7	8872.2	5709.0	4373.5	3514.1	2904.7	2431.8	2094.4	1849.9	1572.2
5°	29449.7	17381.8	9911.3	6148.6	4645.7	3645.7	2917.1	2405.2	2108.2	1884.7	1659.7
2.5°	31365.9	18700.9	10510.7	6456.3	4845.5	3774.8	2950.4	2409.1	2125.2	1907.7	1693.5
0°	32471.3	18728.8	10636.3	6508.6	4888.8	3909.9	3019.7	2449.4	2139.6	1921.8	1705.2
-2.5°	31409.0	18731.8	10474.3	6401.7	4852.3	3892.6	3057.3	2493.0	2174.0	1929.9	1700.6
-5°	29298.8	17233.8	9765.7	6079.0	4627.8	3718.8	2992.8	2476.3	2165.6	1918.2	1676.3
-7.5°	25484.6	14911.9	8667.0	5620.9	4308.8	3474.2	2854.4	2389.8	2084.5	1852.4	1599.9
-10°	19940.3	11790.7	7114.2	4955.7	3899.4	3214.9	2693.2	2279.8	1993.1	1779.3	1509.2
-12.5°	15112.2	8902.7	5506.6	4162.9	3432.3	2925.5	2519.2	2161.1	1892.7	1700.5	1407.0
-15°	10144.2	6632.4	4701.5	3676.4	3054.2	2670.1	2370.6	2086.4	1856.3	1640.3	1295.6
-17.5°	7621.1	5079.5	3932.5	3302.5	2827.9	2493.4	2270.6	2049.1	1836.6	1592.5	1192.3
-20°	5627.5	4383.8	3575.2	3047.5	2673.9	2408.4	2198.9	2016.1	1805.1	1475.5	1066.9





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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°	4758.3	3964.4	3332.5	2861.3	2560.6	2336.2	2147.7	1973.8	1759.7	1321.1	928.2
-25°	4149.2	3600.6	3148.4	2824.5	2501.2	2253.7	2097.4	1917.0	1585.5	1147.4	798.6
-27.5°	3717.4	3327.9	3103.5	2811.7	2509.7	2233.2	2039.8	1827.8	1387.5	987.4	785.4
-30°	3451.6	3233.7	3035.4	2810.6	2520.3	2245.2	1997.9	1596.1	1185.3	851.3	775.8
-32.5°	3314.2	3121.3	2937.0	2751.0	2490.7	2208.4	1789.1	1347.7	958.1	835.5	758.8
-35°	3173.5	2972.2	2786.4	2597.9	2393.9	1955.9	1509.3	1082.7	892.5	812.3	736.1
-37.5°	2994.4	2779.9	2590.6	2374.2	2017.7	1603.9	1166.3	958.8	865.2	782.4	700.3
-40°	2764.3	2562.1	2262.1	1947.1	1571.9	1171.7	1018.8	925.8	838.0	742.7	656.6
-42.5°	2371.2	2096.9	1788.6	1440.8	1153.1	1064.4	978.3	894.8	802.0	701.2	611.2
-45°	1817.0	1531.8	1261.5	1176.8	1092.0	1015.9	943.0	849.6	750.9	654.7	564.5
-47.5°	1335.0	1255.5	1178.7	1111.2	1041.0	966.1	877.9	788.1	692.1	602.5	526.3
-50°	1228.5	1168.1	1109.1	1046.6	963.6	880.1	797.5	714.6	630.6	556.0	484.2
-52.5°	1140.3	1074.0	1006.0	936.1	862.8	785.8	709.8	644.3	575.2	504.2	437.6
-55°	1010.5	948.8	886.6	822.9	760.1	699.5	638.6	575.8	511.1	446.2	385.0
-57.5°	874.8	822.1	771.5	722.1	674.3	616.2	555.5	496.9	440.3	382.1	328.5
-60°	748.5	705.3	660.5	614.7	568.2	517.9	465.3	413.8	363.7	320.8	278.3
-62.5°	615.3	574.9	537.1	498.7	459.1	417.4	374.6	336.8	300.2	263.3	222.8
-65°	482.2	447.7	415.4	387.3	358.9	329.9	297.2	263.9	231.0	199.1	163.5
-67.5°	361.4	336.9	313.9	290.5	265.2	238.6	210.5	183.1	159.6	136.7	108.9
-70°	247.4	227.3	207.0	186.6	167.9	150.4	132.6	114.2	94.9	80.0	65.0
-72.5°	143.2	129.3	115.7	103.0	89.8	80.8	72.3	62.6	52.1	40.7	32.3
-75°	68.6	62.6	56.6	51.2	45.0	38.1	34.3	31.7	29.1	26.5	23.9
-77.5°	33.7	31.8	30.0	28.7	27.1	25.4	23.6	21.8	20.7	19.6	18.5
-80°	22.2	21.4	20.6	19.8	19.1	18.3	17.5	16.8	16.1	15.4	14.7
-82.5°	15.2	14.7	14.1	13.8	13.4	13.1	12.6	12.2	11.8	11.3	10.8
-85°	10.3	10.0	9.7	9.5	9.3	9.1	8.9	8.7	8.5	8.3	8.1
-87.5°	7.8	7.7	7.7	7.3	7.0	6.6	6.3	6.2	6.2	6.1	6.1
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1





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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	4.5	4.5	4.5	4.5	4.2	4.0	3.7	3.4	3.4	3.4	3.4
87.5°	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.2	2.2	2.2
85°	1.2	1.3	1.3	1.3	1.4	1.7	1.9	2.2	2.2	2.2	2.2
82.5°	1.4	1.6	1.8	1.9	1.9	1.9	2.0	2.2	2.2	2.2	2.2
80°	2.0	2.0	2.1	2.2	2.2	2.2	2.2	2.2	2.4	2.4	2.4
77.5°	2.5	2.3	2.2	2.2	2.2	2.2	2.2	2.3	2.5	2.7	2.7
75°	3.0	2.6	2.3	2.2	2.3	2.2	2.2	2.3	2.6	2.9	3.0
72.5°	3.3	3.0	2.6	2.3	2.5	2.5	2.4	2.3	2.6	2.9	3.2
70°	4.8	3.7	3.2	2.9	2.9	2.9	2.9	2.7	2.7	2.9	3.2
67.5°	7.4	5.6	4.3	3.5	3.2	3.2	3.3	3.1	2.9	3.0	3.3
65°	13.1	8.8	5.5	4.4	3.7	3.4	3.4	3.4	3.2	3.1	3.3
62.5°	18.7	13.1	8.9	5.8	4.1	3.6	3.4	3.5	3.4	3.3	3.3
60°	24.5	18.3	12.7	9.0	5.7	3.7	3.5	3.7	3.6	3.4	3.4
57.5°	24.7	22.8	17.9	12.6	8.4	4.9	3.6	3.9	3.9	3.6	3.4
55°	23.6	22.5	21.5	17.1	11.5	7.2	4.6	4.1	4.1	3.9	3.5
52.5°	21.0	22.1	22.3	20.4	15.5	9.8	6.6	4.4	4.4	4.2	3.7
50°	18.1	21.1	22.8	21.9	18.9	13.5	8.5	5.9	4.8	4.5	4.1
47.5°	17.0	20.5	22.9	23.5	20.9	17.1	11.4	7.4	5.2	4.9	4.4
45°	17.2	20.0	23.1	24.3	23.2	19.6	14.6	8.8	6.3	5.2	4.7
42.5°	18.6	21.1	23.1	25.6	24.7	21.7	17.7	11.4	7.4	5.6	5.0
40°	25.2	23.5	24.0	26.8	26.5	23.6	19.6	14.0	8.4	6.0	5.2
37.5°	34.1	29.9	27.1	30.6	29.3	25.7	21.3	16.5	9.6	6.8	5.5
35°	58.2	40.1	39.8	40.0	34.8	28.1	23.0	18.6	11.9	7.5	5.8
32.5°	88.8	69.1	67.3	56.0	42.4	30.9	25.0	20.4	14.2	8.1	6.1
30°	147.9	132.9	105.3	76.8	54.3	38.1	28.0	22.3	16.5	8.7	6.4
27.5°	245.1	211.7	156.7	111.7	74.3	47.4	32.1	24.2	18.7	9.7	6.8
25°	345.6	302.9	233.1	156.6	97.3	66.2	36.8	26.3	20.5	11.5	7.3
22.5°	442.8	397.8	319.4	207.6	131.1	90.3	47.0	30.0	22.1	13.2	7.6
20°	537.6	495.0	407.6	254.1	170.7	119.9	64.6	33.9	23.7	14.8	7.9
17.5°	642.1	569.7	457.2	308.7	210.1	149.7	84.9	38.1	25.3	16.3	8.2
15°	770.6	614.0	505.0	357.1	245.1	179.4	107.3	42.3	26.8	17.7	8.6
12.5°	885.7	654.9	552.0	399.6	276.1	208.8	131.0	46.6	28.2	19.4	9.1
10°	993.7	692.5	597.5	436.2	303.4	237.5	155.2	51.4	30.5	21.2	9.5
7.5°	1092.3	726.9	640.2	467.3	325.8	257.3	170.1	57.3	32.9	22.9	10.0
5°	1172.8	754.3	670.0	488.4	336.8	266.8	181.0	62.9	35.2	24.4	10.4
2.5°	1210.6	773.1	688.3	504.2	346.2	274.2	189.0	68.2	37.3	25.8	10.8
0°	1230.3	789.2	700.5	515.3	353.6	279.5	194.2	73.0	39.3	26.9	11.2
-2.5°	1233.2	792.8	703.6	526.6	365.4	287.2	201.1	86.0	49.4	33.1	14.7
-5°	1217.7	793.2	701.3	532.9	374.8	292.7	205.6	98.1	59.1	38.9	18.1
-7.5°	1164.8	781.2	689.3	533.4	381.6	296.1	208.3	109.3	68.1	44.2	21.2
-10°	1090.3	760.3	666.1	524.3	387.9	300.9	210.5	119.3	76.4	49.0	24.1
-12.5°	999.2	736.7	642.3	513.4	392.7	307.4	217.6	129.5	83.8	53.0	26.5
-15°	892.0	710.7	619.3	501.4	395.5	312.6	222.6	138.5	90.5	56.5	28.5
-17.5°	774.3	682.3	598.2	489.3	396.5	316.9	225.5	145.3	96.1	59.7	30.4
-20°	748.1	665.4	579.8	477.8	395.8	320.3	226.3	149.9	100.5	61.8	32.0



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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°	738.1	657.8	567.8	472.6	394.8	323.1	225.2	152.0	103.7	62.8	32.9
-25°	727.7	648.6	554.3	465.2	394.6	319.3	224.6	151.3	105.4	62.6	33.1
-27.5°	715.6	635.8	537.4	453.5	386.7	313.3	223.1	152.8	105.5	61.2	32.4
-30°	701.8	614.0	520.3	438.9	375.8	297.4	218.1	152.5	103.6	59.8	31.0
-32.5°	682.2	588.7	499.1	424.7	357.9	279.9	206.8	150.3	100.0	58.0	29.9
-35°	649.0	559.7	473.5	407.0	336.9	263.5	194.9	146.1	94.7	55.1	28.6
-37.5°	612.2	526.6	451.0	384.9	315.0	245.4	185.6	136.8	87.6	50.9	26.6
-40°	573.4	494.4	426.1	360.2	293.2	225.8	174.5	125.3	80.9	45.5	24.0
-42.5°	532.4	464.2	398.7	334.7	270.2	211.3	161.2	112.0	72.4	40.8	20.6
-45°	496.2	431.4	369.0	307.1	246.7	194.7	144.6	97.6	62.5	36.2	17.9
-47.5°	457.3	396.8	336.6	277.2	225.6	175.3	125.9	84.9	51.4	30.6	16.7
-50°	417.7	359.3	301.5	249.1	201.4	152.3	106.6	70.9	43.8	24.0	15.3
-52.5°	375.6	318.7	267.4	220.3	173.0	127.2	88.9	56.0	35.4	20.4	13.6
-55°	328.2	279.2	233.5	187.1	142.0	103.9	69.6	45.7	26.4	18.1	11.9
-57.5°	283.2	239.7	194.2	150.2	112.5	79.8	54.1	34.6	22.1	15.7	11.3
-60°	236.3	193.0	151.0	115.6	83.7	58.9	40.6	25.6	19.1	13.5	10.7
-62.5°	182.8	144.8	112.0	81.6	59.6	42.4	28.2	21.9	16.0	12.6	9.9
-65°	131.6	101.2	73.4	56.4	40.3	28.4	23.7	18.0	14.4	11.7	9.2
-67.5°	82.0	64.7	48.6	34.0	27.6	23.3	18.9	15.8	13.2	10.6	8.7
-70°	50.0	35.9	29.4	25.7	21.9	18.5	16.5	14.3	11.9	9.9	8.1
-72.5°	29.1	25.9	22.8	19.8	17.9	16.2	14.6	12.8	10.9	9.1	7.5
-75°	21.3	19.7	18.3	16.8	15.3	13.9	12.8	11.5	9.8	8.3	6.8
-77.5°	17.4	16.2	15.0	13.9	12.9	12.0	11.2	10.3	8.8	7.4	6.2
-80°	13.8	12.9	12.1	11.4	10.7	10.1	9.6	8.9	7.7	6.5	5.5
-82.5°	10.2	9.8	9.5	9.1	8.8	8.4	8.0	7.6	6.6	5.6	4.9
-85°	7.9	7.7	7.4	7.2	7.0	6.7	6.5	6.2	5.5	4.9	4.4
-87.5°	6.0	5.9	5.8	5.8	5.6	5.3	5.1	4.8	4.5	4.2	3.9
-90°	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.2	2.2	2.2



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	3.4	3.4	3.4	3.4	3.4	2.8	2.2
87.5°	2.2	2.3	2.3	2.3	2.3	2.3	2.2
85°	2.2	2.3	2.4	2.4	2.4	2.3	2.2
82.5°	2.2	2.4	2.5	2.6	2.5	2.4	2.2
80°	2.3	2.5	2.6	2.7	2.6	2.4	2.2
77.5°	2.6	2.6	2.7	2.8	2.7	2.5	2.2
75°	2.9	2.8	2.9	2.9	2.8	2.5	2.2
72.5°	3.2	3.0	3.0	3.0	2.9	2.6	2.2
70°	3.4	3.2	3.1	3.2	3.0	2.6	2.2
67.5°	3.4	3.3	3.2	3.2	3.1	2.7	2.2
65°	3.4	3.4	3.2	3.2	3.2	2.7	2.2
62.5°	3.4	3.4	3.3	3.3	3.3	2.8	2.2
60°	3.4	3.4	3.4	3.3	3.4	2.8	2.2
57.5°	3.4	3.4	3.4	3.3	3.4	2.8	2.2
55°	3.5	3.4	3.4	3.4	3.4	2.9	2.2
52.5°	3.6	3.4	3.4	3.4	3.4	2.9	2.2
50°	3.7	3.5	3.4	3.4	3.4	3.0	2.2
47.5°	3.9	3.6	3.4	3.4	3.4	3.0	2.2
45°	4.1	3.7	3.4	3.4	3.4	3.0	2.2
42.5°	4.4	3.9	3.4	3.4	3.4	3.1	2.2
40°	4.6	4.0	3.5	3.4	3.4	3.1	2.2
37.5°	4.8	4.2	3.6	3.4	3.4	3.2	2.2
35°	5.1	4.3	3.7	3.4	3.4	3.2	2.2
32.5°	5.3	4.5	3.8	3.4	3.4	3.2	2.2
30°	5.5	4.7	3.9	3.4	3.4	3.2	2.2
27.5°	5.7	4.9	4.0	3.4	3.4	3.3	2.2
25°	5.9	5.0	4.1	3.4	3.4	3.3	2.2
22.5°	6.1	5.2	4.2	3.4	3.4	3.3	2.2
20°	6.3	5.3	4.2	3.4	3.4	3.3	2.2
17.5°	6.5	5.3	4.3	3.4	3.4	3.3	2.2
15°	6.7	5.4	4.3	3.4	3.4	3.4	2.2
12.5°	6.9	5.5	4.4	3.4	3.4	3.4	2.2
10°	7.1	5.5	4.4	3.4	3.4	3.4	2.2
7.5°	7.3	5.6	4.5	3.4	3.4	3.4	2.2
5°	7.5	5.6	4.5	3.4	3.4	3.4	2.2
2.5°	7.7	5.6	4.5	3.4	3.4	3.4	2.2
0°	7.9	5.6	4.5	3.4	3.4	3.4	2.2
-2.5°	9.2	6.1	4.7	3.5	3.4	3.4	2.2
-5°	10.5	6.6	4.9	3.7	3.5	3.4	2.2
-7.5°	11.7	7.0	5.0	3.8	3.5	3.4	2.2
-10°	12.8	7.4	5.2	4.0	3.6	3.4	2.2
-12.5°	13.7	7.8	5.4	4.1	3.6	3.4	2.2
-15°	14.5	8.1	5.5	4.2	3.7	3.4	2.2
-17.5°	15.1	8.4	5.6	4.3	3.7	3.4	2.2
-20°	15.6	8.6	5.8	4.4	3.7	3.3	2.2



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	16.1	8.7	5.9	4.5	3.8	3.3	2.2
-25°	16.3	8.8	6.0	4.6	3.8	3.3	2.2
-27.5°	16.1	8.8	6.0	4.7	3.8	3.3	2.2
-30°	15.4	8.8	6.1	4.7	3.8	3.3	2.2
-32.5°	14.3	8.6	6.2	4.8	3.8	3.3	2.2
-35°	13.7	8.4	6.2	4.8	3.8	3.2	2.2
-37.5°	13.4	8.1	6.2	4.8	3.8	3.2	2.2
-40°	12.9	8.1	6.2	4.8	3.8	3.2	2.2
-42.5°	12.2	8.1	6.1	4.8	3.8	3.2	2.2
-45°	11.3	8.0	6.1	4.7	3.7	3.2	2.2
-47.5°	10.4	7.8	6.0	4.6	3.7	3.2	2.2
-50°	10.0	7.6	5.9	4.6	3.6	3.1	2.2
-52.5°	9.6	7.4	5.8	4.5	3.6	3.1	2.2
-55°	9.2	7.1	5.6	4.4	3.5	3.1	2.2
-57.5°	8.8	6.9	5.5	4.3	3.5	3.1	2.2
-60°	8.3	6.7	5.3	4.2	3.4	3.1	2.2
-62.5°	7.9	6.4	5.1	4.1	3.4	3.0	2.2
-65°	7.5	6.1	4.9	3.9	3.4	3.0	2.2
-67.5°	7.1	5.8	4.7	3.8	3.4	3.0	2.2
-70°	6.6	5.4	4.5	3.7	3.4	3.0	2.2
-72.5°	6.1	5.1	4.2	3.6	3.4	3.0	2.2
-75°	5.6	4.7	4.0	3.6	3.4	2.9	2.2
-77.5°	5.1	4.3	3.9	3.6	3.4	2.9	2.2
-80°	4.5	4.1	3.8	3.5	3.4	2.9	2.2
-82.5°	4.2	3.9	3.7	3.5	3.4	2.9	2.2
-85°	4.0	3.8	3.6	3.5	3.4	2.9	2.2
-87.5°	3.7	3.6	3.5	3.4	3.4	2.8	2.2
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report

