

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: P731410 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-70-3S-CV1**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731410 (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: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0320N-57-70-3S-CV1  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

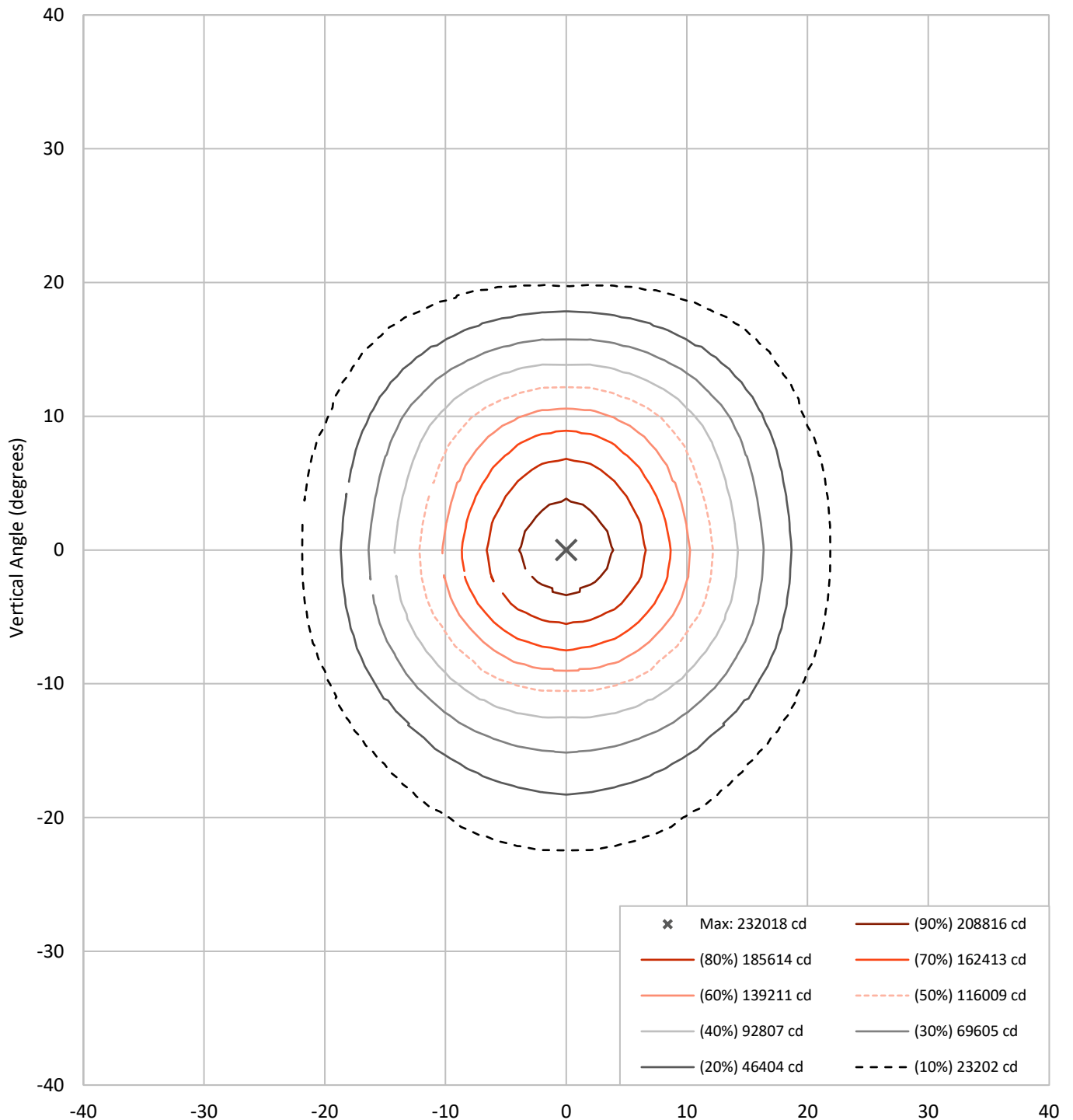
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	48087.6 lumens	Max Intensity:	232018 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	139.1 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:	22675.6 lumens	Field Lumens:	40964.4 lumens
Beam Efficiency:	47.2%	Field Efficiency:	85.2%

Input Watts (W): 345.8  
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-08-0320N-57-70-3S-CV1

### Iso-Candela Plot





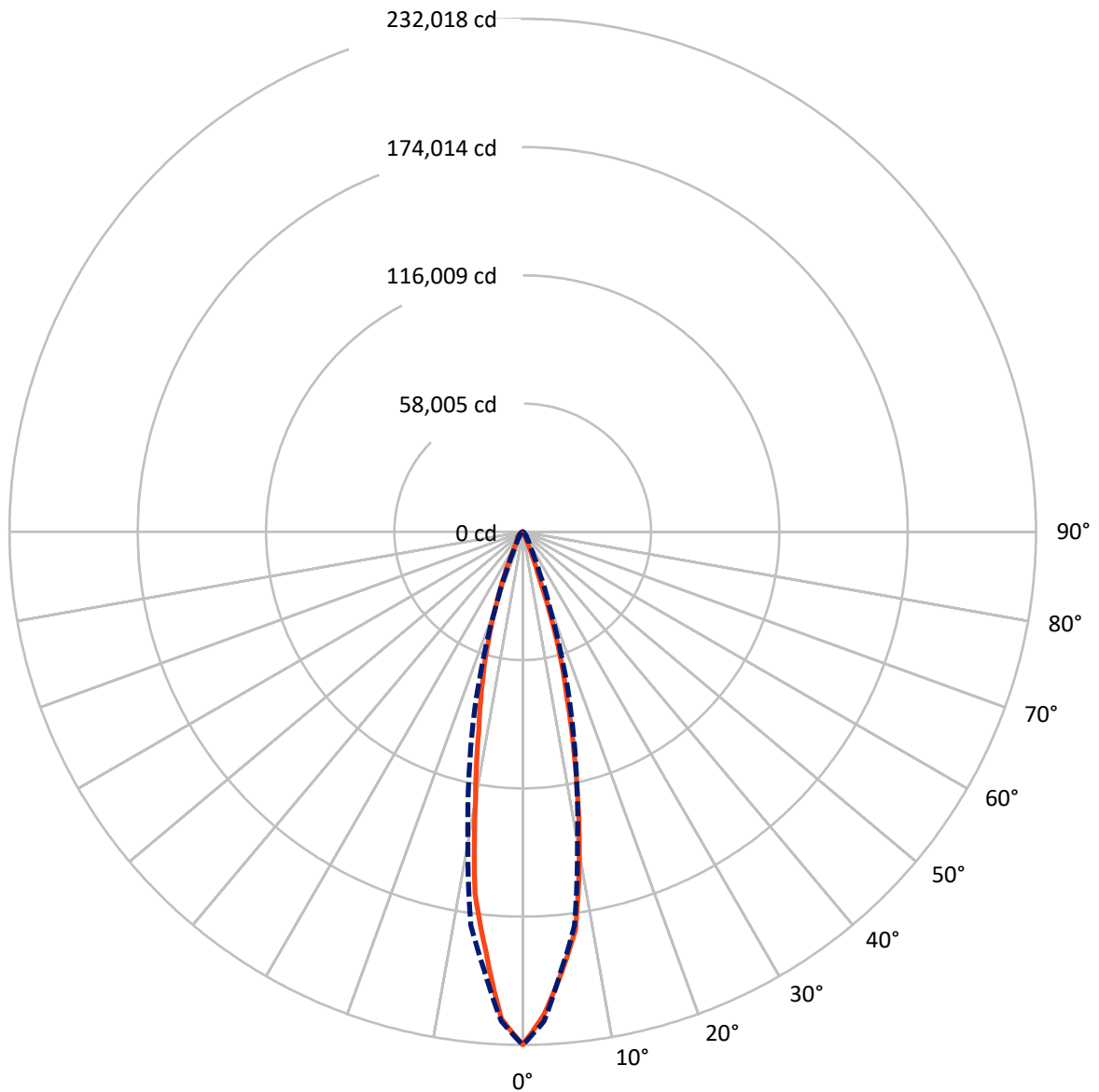
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### Lumen Table

90	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1					
80	0.1	0.1	0.3	0.3	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	0.4	0.2	0.2	0.2	0.2	0.4	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	0.5	0.7	1.3	0.9	0.9	1.3	0.7	0.5	0.4	0.4	0.1	0.1
40		0.3	0.8	1.9	3.4	4.9	6.7	8.1	8.1	6.7	4.9	3.4	1.9	0.8	0.3	
30	0.1	0.5	3.3	10.2	23.7	39.5	81.1	156.1	156.1	81.1	39.5	23.7	10.2	3.3	0.5	0.1
20		1.0	7.0	26.1	63.2	167.4	921.6	2174.8	2174.8	921.6	167.4	63.2	26.1	7.0	1.0	
10	0.2	1.5	9.3	34.8	81.3	357.0	2209.3	5181.3	5181.3	2209.3	357.0	81.3	34.8	9.3	1.5	0.2
0		1.9	10.0	35.3	81.5	353.5	2170.7	4965.3	4965.3	2170.7	353.5	81.5	35.3	10.0	1.9	
-10	0.4	2.2	9.4	29.3	64.1	168.7	880.1	1986.3	1986.3	880.1	168.7	64.1	29.3	9.4	2.2	0.4
-20		2.4	8.8	22.0	54.6	95.7	219.0	447.7	447.7	219.0	95.7	54.6	22.0	8.8	2.4	
-30	0.3	2.1	7.5	16.6	40.3	79.1	111.1	136.4	136.4	111.1	79.1	40.3	16.6	7.5	2.1	0.3
-40		1.5	5.7	13.1	24.5	43.4	71.1	91.1	91.1	71.1	43.4	24.5	13.1	5.7	1.5	
-50	0.2	0.7	3.5	8.8	16.7	25.7	34.4	39.8	39.8	34.4	25.7	16.7	8.8	3.5	0.7	0.2
-60		0.3	1.2	3.8	7.8	12.3	16.9	19.4	19.4	16.9	12.3	7.8	3.8	1.2	0.3	
-70	0.1	0.7	2.5	6.3	8.6	6.3	2.5	0.7	0.1						0.1	
-80		0.1	0.7	2.5	6.3	8.6	6.3	2.5	0.7	0.1						
-90	0.1	0.7	2.5	6.3	8.6	6.3	2.5	0.7	0.1							

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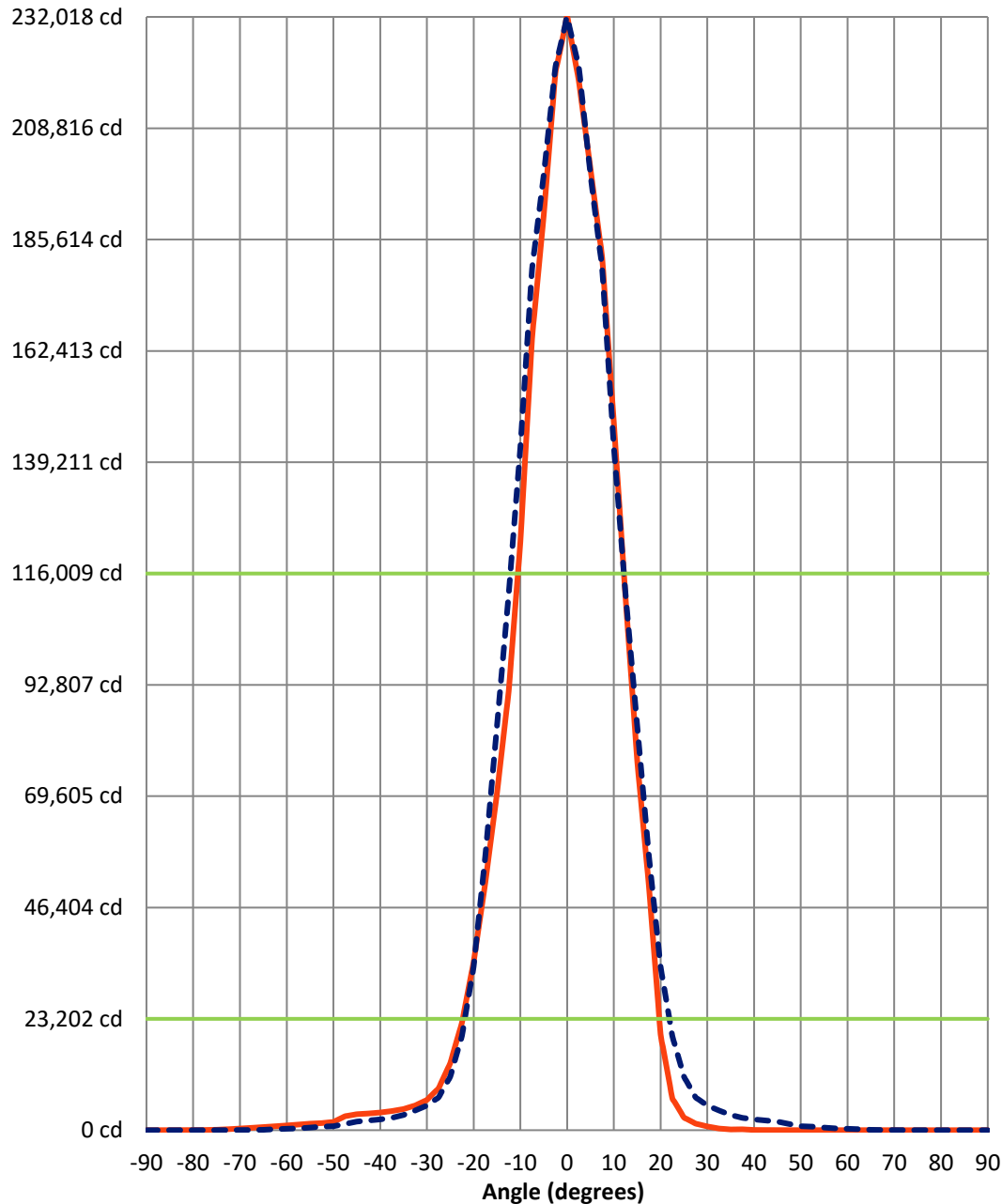
### Luminous Intensity Polar Plot



— 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: 22675.6  
Efficiency: 47.2%

**Field:**  
H Angle: 43.8°  
V Angle: 42.1°  
Lumens: 40964.4  
Efficiency: 85.2%

**Spill:**  
Lumens: 7123.2  
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°	2.4	2.9	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	2.4	2.4	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4
85°	2.4	2.5	2.6	2.6	2.6	2.5	2.4	2.4	2.4	2.4	2.4
82.5°	2.4	2.5	2.7	2.7	2.7	2.6	2.4	2.4	2.4	2.4	2.4
80°	2.4	2.6	2.8	2.8	2.8	2.7	2.5	2.6	2.6	2.6	2.4
77.5°	2.4	2.6	2.9	2.9	2.9	2.8	2.7	2.8	2.8	2.7	2.5
75°	2.4	2.7	3.0	3.1	3.0	2.9	3.0	3.1	3.0	2.8	2.5
72.5°	2.4	2.7	3.1	3.2	3.1	3.1	3.3	3.3	3.0	2.8	2.5
70°	2.4	2.8	3.2	3.3	3.2	3.3	3.5	3.3	3.1	2.8	2.9
67.5°	2.4	2.8	3.2	3.3	3.3	3.4	3.5	3.4	3.1	3.1	3.2
65°	2.4	2.9	3.3	3.4	3.4	3.5	3.5	3.4	3.3	3.3	3.5
62.5°	2.4	2.9	3.4	3.4	3.4	3.5	3.5	3.4	3.4	3.5	3.7
60°	2.4	2.9	3.5	3.4	3.5	3.5	3.5	3.5	3.5	3.8	3.8
57.5°	2.4	3.0	3.5	3.4	3.5	3.5	3.6	3.5	3.7	4.0	4.0
55°	2.4	3.0	3.5	3.5	3.5	3.5	3.6	3.6	4.0	4.3	4.3
52.5°	2.4	3.1	3.5	3.5	3.5	3.5	3.7	3.9	4.4	4.6	4.6
50°	2.4	3.1	3.5	3.5	3.5	3.6	3.8	4.2	4.7	5.0	6.2
47.5°	2.4	3.1	3.5	3.5	3.5	3.7	4.0	4.6	5.1	5.4	7.8
45°	2.4	3.2	3.5	3.5	3.5	3.9	4.3	4.9	5.5	6.7	9.2
42.5°	2.4	3.2	3.5	3.5	3.5	4.0	4.5	5.2	5.9	7.8	11.9
40°	2.4	3.2	3.5	3.5	3.6	4.2	4.8	5.5	6.4	8.8	14.7
37.5°	2.4	3.3	3.5	3.5	3.7	4.3	5.1	5.8	7.2	10.1	17.3
35°	2.4	3.3	3.5	3.5	3.8	4.5	5.3	6.1	7.9	12.5	19.5
32.5°	2.4	3.3	3.5	3.5	3.9	4.7	5.6	6.4	8.5	14.9	21.4
30°	2.4	3.4	3.5	3.5	4.0	4.9	5.8	6.7	9.1	17.3	23.4
27.5°	2.4	3.4	3.5	3.5	4.2	5.1	6.0	7.2	10.1	19.7	25.5
25°	2.4	3.4	3.5	3.5	4.2	5.3	6.2	7.6	12.0	21.6	27.6
22.5°	2.4	3.4	3.5	3.5	4.3	5.4	6.4	8.0	13.8	23.3	31.5
20°	2.4	3.4	3.5	3.5	4.4	5.5	6.6	8.3	15.5	24.9	35.6
17.5°	2.4	3.4	3.5	3.5	4.5	5.6	6.8	8.6	17.1	26.5	40.0
15°	2.4	3.5	3.5	3.5	4.5	5.7	7.0	9.0	18.6	28.1	44.4
12.5°	2.4	3.5	3.5	3.5	4.6	5.8	7.3	9.5	20.3	29.6	48.9
10°	2.4	3.5	3.5	3.5	4.6	5.8	7.5	10.0	22.3	32.0	53.9
7.5°	2.4	3.5	3.5	3.5	4.7	5.8	7.7	10.5	24.0	34.5	60.1
5°	2.4	3.5	3.5	3.5	4.7	5.9	7.9	11.0	25.7	37.0	66.1
2.5°	2.4	3.5	3.5	3.5	4.7	5.9	8.1	11.4	27.1	39.2	71.6
0°	2.4	3.5	3.5	3.5	4.7	5.9	8.3	11.8	28.3	41.3	76.6
-2.5°	2.4	3.5	3.6	3.7	4.9	6.4	9.7	15.5	34.8	51.9	90.2
-5°	2.4	3.5	3.6	3.8	5.1	6.9	11.0	19.0	40.9	62.0	103.0
-7.5°	2.4	3.5	3.7	4.0	5.3	7.4	12.3	22.3	46.5	71.5	114.7
-10°	2.4	3.5	3.7	4.1	5.5	7.8	13.4	25.3	51.4	80.2	125.3
-12.5°	2.4	3.5	3.7	4.3	5.6	8.2	14.4	27.9	55.6	88.0	135.9
-15°	2.4	3.5	3.8	4.4	5.8	8.5	15.2	30.0	59.4	95.0	145.4
-17.5°	2.4	3.5	3.8	4.5	5.9	8.8	15.8	31.9	62.7	100.9	152.6
-20°	2.4	3.4	3.9	4.6	6.1	9.0	16.4	33.6	64.9	105.6	157.4



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 CATALOG NUMBER: EPH-LS-08-0320N-57-70-3S-CV1

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	2.4	3.4	3.9	4.7	6.2	9.1	17.0	34.5	65.9	108.8	159.5
-25°	2.4	3.4	3.9	4.8	6.3	9.3	17.1	34.7	65.7	110.7	158.9
-27.5°	2.4	3.4	3.9	4.9	6.4	9.3	16.9	34.0	64.2	110.8	160.4
-30°	2.4	3.4	3.9	4.9	6.5	9.3	16.2	32.5	62.8	108.8	160.1
-32.5°	2.4	3.4	3.9	5.0	6.5	9.1	15.0	31.4	60.9	105.0	157.8
-35°	2.4	3.4	3.9	5.0	6.5	8.8	14.4	30.0	57.8	99.4	153.4
-37.5°	2.4	3.3	3.9	5.0	6.5	8.6	14.1	28.0	53.4	91.9	143.7
-40°	2.4	3.3	3.9	5.0	6.5	8.6	13.5	25.2	47.7	84.9	131.5
-42.5°	2.4	3.3	3.9	5.0	6.4	8.5	12.8	21.7	42.8	76.0	117.6
-45°	2.4	3.3	3.9	4.9	6.4	8.4	12.0	18.8	38.0	65.6	102.4
-47.5°	2.4	3.3	3.8	4.9	6.3	8.2	10.9	17.6	32.2	54.0	89.2
-50°	2.4	3.3	3.8	4.8	6.2	8.0	10.5	16.1	25.2	46.0	74.4
-52.5°	2.4	3.2	3.7	4.7	6.1	7.7	10.2	14.4	21.5	37.2	58.9
-55°	2.4	3.2	3.6	4.6	5.9	7.5	9.7	12.6	19.1	27.8	48.0
-57.5°	2.4	3.2	3.6	4.5	5.8	7.3	9.2	11.9	16.6	23.3	36.4
-60°	2.4	3.2	3.5	4.4	5.6	7.0	8.7	11.2	14.2	20.1	26.9
-62.5°	2.4	3.2	3.5	4.2	5.4	6.7	8.3	10.4	13.3	16.8	23.0
-65°	2.4	3.2	3.5	4.1	5.1	6.4	7.9	9.7	12.2	15.1	19.0
-67.5°	2.4	3.1	3.5	3.9	4.9	6.1	7.4	9.1	11.1	13.8	16.6
-70°	2.4	3.1	3.5	3.8	4.7	5.7	7.0	8.5	10.4	12.4	15.0
-72.5°	2.4	3.1	3.5	3.7	4.4	5.3	6.4	7.9	9.6	11.4	13.4
-75°	2.4	3.1	3.5	3.7	4.1	4.9	5.9	7.2	8.7	10.3	12.1
-77.5°	2.4	3.1	3.5	3.7	4.0	4.5	5.3	6.5	7.8	9.2	10.8
-80°	2.4	3.0	3.5	3.6	3.9	4.3	4.7	5.8	6.9	8.1	9.4
-82.5°	2.4	3.0	3.5	3.6	3.8	4.1	4.4	5.1	5.9	6.9	8.0
-85°	2.4	3.0	3.5	3.6	3.7	3.9	4.1	4.6	5.1	5.8	6.5
-87.5°	2.4	3.0	3.5	3.5	3.6	3.7	3.8	4.0	4.3	4.6	5.0
-90°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4





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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°	3.8	4.1	4.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	2.1	1.8	1.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	2.1	1.8	1.6	1.4	1.4	1.4	1.3	1.2	1.2	1.2	1.2
82.5°	2.2	2.1	2.1	2.1	2.0	1.8	1.5	1.4	1.4	1.4	1.3
80°	2.4	2.4	2.4	2.4	2.3	2.2	2.1	2.2	2.1	1.9	1.7
77.5°	2.4	2.4	2.4	2.4	2.4	2.5	2.7	2.9	2.9	2.8	2.7
75°	2.4	2.4	2.5	2.4	2.5	2.8	3.1	3.4	3.4	3.3	3.3
72.5°	2.6	2.7	2.7	2.5	2.7	3.1	3.4	3.5	4.2	5.2	5.8
70°	3.0	3.1	3.0	3.1	3.3	3.8	5.0	6.7	8.3	9.5	11.1
67.5°	3.4	3.3	3.3	3.6	4.5	5.8	7.7	11.9	16.5	18.3	19.2
65°	3.5	3.5	3.8	4.6	5.8	9.3	13.8	19.2	24.9	26.1	26.0
62.5°	3.5	3.7	4.3	6.1	9.4	13.8	19.7	25.8	31.7	30.7	27.1
60°	3.6	3.8	5.9	9.4	13.4	19.2	25.7	28.9	30.8	30.6	26.4
57.5°	3.8	5.1	8.8	13.2	18.9	23.9	26.0	27.9	29.0	29.9	24.8
55°	4.7	7.5	12.1	18.0	22.6	23.6	24.8	25.4	26.4	24.5	19.0
52.5°	6.9	10.2	16.2	21.4	23.4	23.2	22.0	22.1	20.5	17.9	15.1
50°	8.9	14.1	19.8	23.0	24.0	22.1	19.0	18.1	16.4	14.3	12.4
47.5°	12.0	17.9	22.0	24.6	24.0	21.5	17.9	15.6	13.9	13.3	11.5
45°	15.3	20.6	24.4	25.5	24.2	21.0	18.1	14.1	14.9	14.8	14.7
42.5°	18.5	22.8	26.0	26.9	24.2	22.1	19.5	18.6	18.5	20.8	22.4
40°	20.6	24.8	27.9	28.1	25.2	24.7	26.4	27.6	26.5	30.5	33.9
37.5°	22.4	27.0	30.7	32.1	28.5	31.4	35.8	48.3	49.5	42.3	54.2
35°	24.2	29.5	36.5	42.0	41.9	42.1	61.2	80.0	88.8	77.8	88.1
32.5°	26.3	32.4	44.5	58.9	70.7	72.6	93.3	131.6	149.6	150.4	148.9
30°	29.4	40.0	57.0	80.6	110.6	139.6	155.4	197.6	226.5	276.0	313.6
27.5°	33.7	49.8	78.0	117.4	164.6	222.3	257.4	281.8	353.2	445.9	545.7
25°	38.6	69.5	102.2	164.5	244.8	318.1	362.9	392.1	516.8	700.7	829.3
22.5°	49.3	94.9	137.7	218.1	335.4	417.8	465.0	559.5	752.9	999.6	1151.9
20°	67.8	125.9	179.3	266.9	428.0	519.8	564.5	752.1	1050.5	1303.5	1513.3
17.5°	89.2	157.2	220.6	324.2	480.1	598.3	674.4	958.3	1367.6	1594.9	1835.1
15°	112.7	188.4	257.4	375.0	530.3	644.8	809.3	1206.8	1657.6	1874.6	2122.5
12.5°	137.6	219.3	289.9	419.6	579.8	687.8	930.1	1384.0	1807.3	2101.2	2422.7
10°	162.9	249.4	318.6	458.1	627.5	727.3	1043.5	1531.7	1886.5	2162.9	2538.1
7.5°	178.7	270.2	342.1	490.7	672.4	763.4	1147.1	1651.0	1942.6	2199.4	2553.8
5°	190.1	280.2	353.7	512.9	703.6	792.1	1231.6	1743.0	1979.2	2214.0	2525.8
2.5°	198.5	288.0	363.5	529.5	722.9	811.8	1271.3	1778.4	2003.3	2231.8	2530.0
0°	203.9	293.5	371.3	541.1	735.6	828.7	1292.0	1790.7	2018.2	2246.9	2572.3
-2.5°	211.1	301.6	383.7	553.0	738.8	832.5	1295.0	1785.9	2026.7	2283.0	2618.1
-5°	216.0	307.4	393.6	559.6	736.5	833.0	1278.8	1760.4	2014.4	2274.2	2600.4
-7.5°	218.8	311.0	400.7	560.2	723.9	820.4	1223.3	1680.2	1945.3	2189.0	2509.7
-10°	221.1	316.0	407.4	550.7	699.5	798.4	1145.0	1585.0	1868.5	2093.0	2394.1
-12.5°	228.5	322.8	412.4	539.2	674.5	773.7	1049.3	1477.6	1785.8	1987.6	2269.5
-15°	233.7	328.4	415.3	526.6	650.3	746.3	936.8	1360.7	1722.7	1949.4	2191.1
-17.5°	236.8	332.8	416.4	513.9	628.2	716.5	813.1	1252.1	1672.4	1928.7	2151.8
-20°	237.7	336.4	415.7	501.8	608.8	698.7	785.7	1120.4	1549.5	1895.7	2117.2



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	236.5	339.3	414.6	496.3	596.2	690.8	775.2	974.8	1387.3	1848.1	2072.8
-25°	235.8	335.3	414.4	488.5	582.0	681.1	764.3	838.7	1204.9	1665.0	2013.1
-27.5°	234.3	329.0	406.0	476.3	564.3	667.6	751.4	824.8	1036.8	1457.0	1919.4
-30°	229.1	312.3	394.6	460.9	546.4	644.7	736.9	814.7	894.0	1244.7	1676.1
-32.5°	217.2	294.0	375.8	446.0	524.2	618.2	716.4	796.9	877.4	1006.1	1415.2
-35°	204.6	276.7	353.8	427.4	497.3	587.7	681.5	773.0	853.1	937.3	1136.9
-37.5°	195.0	257.7	330.8	404.2	473.6	553.1	642.8	735.4	821.6	908.6	1006.9
-40°	183.2	237.2	307.9	378.2	447.5	519.3	602.1	689.6	780.0	880.0	972.2
-42.5°	169.3	221.9	283.8	351.5	418.7	487.6	559.1	641.9	736.4	842.2	939.7
-45°	151.8	204.4	259.1	322.5	387.4	453.1	521.1	592.7	687.5	788.6	892.3
-47.5°	132.2	184.1	236.9	291.1	353.4	416.7	480.3	552.7	632.7	726.8	827.6
-50°	111.9	159.9	211.5	261.6	316.6	377.3	438.6	508.5	583.9	662.2	750.5
-52.5°	93.3	133.5	181.7	231.4	280.8	334.6	394.4	459.6	529.5	604.0	676.6
-55°	73.1	109.1	149.0	196.4	245.1	293.2	344.6	404.3	468.6	536.7	604.6
-57.5°	56.8	83.8	118.2	157.7	203.8	251.6	297.4	345.0	401.3	462.3	521.7
-60°	42.7	61.9	87.9	121.4	158.5	202.6	248.2	292.2	336.9	381.9	434.5
-62.5°	29.6	44.6	62.6	85.8	117.6	152.0	191.9	233.9	276.5	315.3	353.7
-65°	24.9	29.9	42.3	59.2	77.1	106.2	138.2	171.7	209.1	242.6	277.1
-67.5°	19.9	24.5	29.0	35.7	51.1	68.0	86.1	114.3	143.5	167.7	192.3
-70°	17.3	19.4	23.0	27.0	30.9	37.8	52.5	68.2	84.0	99.7	119.9
-72.5°	15.2	17.0	18.8	20.8	24.0	27.2	30.6	33.9	42.7	54.7	65.8
-75°	13.4	14.5	16.0	17.6	19.2	20.7	22.3	25.1	27.9	30.6	33.3
-77.5°	11.7	12.6	13.5	14.5	15.7	17.0	18.3	19.5	20.6	21.7	22.9
-80°	10.0	10.6	11.2	11.9	12.7	13.6	14.5	15.4	16.2	16.9	17.6
-82.5°	8.4	8.8	9.2	9.6	10.0	10.3	10.7	11.3	11.8	12.3	12.8
-85°	6.8	7.1	7.4	7.6	7.9	8.1	8.3	8.5	8.8	9.0	9.2
-87.5°	5.3	5.6	5.8	6.1	6.2	6.2	6.3	6.4	6.5	6.5	6.6
-90°	2.1	1.8	1.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.7	5.0	5.3	5.6	5.9	5.9	5.9	5.9	5.9	5.9	5.9
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.9	0.6
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.6	1.5	1.5	1.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	2.6	2.4	2.2	2.1	1.9	1.8	1.7	1.5	1.2	1.2	1.2
75°	3.4	3.5	3.5	3.4	3.0	2.8	2.6	2.4	2.2	2.2	2.3
72.5°	6.2	6.2	6.0	5.9	5.6	5.4	5.5	5.4	5.2	5.3	5.5
70°	12.1	12.4	12.1	11.4	10.1	9.2	8.7	8.0	7.1	7.0	7.4
67.5°	19.0	18.1	17.0	15.6	13.5	11.8	10.8	10.0	9.1	8.9	9.1
65°	24.2	20.5	18.0	16.0	14.3	12.6	11.5	10.3	9.2	8.6	8.5
62.5°	23.4	19.2	16.4	14.5	12.9	11.6	10.2	8.8	7.5	6.7	6.7
60°	21.9	17.3	13.7	11.9	10.5	9.5	8.3	7.2	6.4	5.9	6.0
57.5°	18.6	13.6	10.4	9.6	8.6	7.6	6.8	6.3	6.1	5.9	5.9
55°	14.4	11.5	9.6	8.5	7.6	6.6	5.9	6.1	6.1	5.9	6.2
52.5°	11.9	10.2	8.9	7.9	7.4	7.1	7.0	7.0	7.1	7.3	7.5
50°	10.6	9.5	8.9	8.2	8.1	8.2	8.2	8.5	8.9	9.0	8.9
47.5°	10.7	10.3	10.8	9.4	9.6	10.5	10.5	10.6	11.4	11.6	11.6
45°	13.5	16.3	16.3	15.0	14.2	17.4	17.6	15.9	24.5	23.9	18.1
42.5°	24.1	25.7	25.7	27.2	30.2	39.7	57.2	73.1	75.5	66.3	45.5
40°	38.9	37.5	40.5	48.7	72.1	93.5	109.6	158.0	157.6	123.4	124.3
37.5°	63.3	61.8	66.4	91.0	98.6	85.2	120.0	123.3	105.6	125.9	127.6
35°	108.9	123.5	107.7	133.6	134.9	120.6	129.5	144.5	123.3	147.4	157.9
32.5°	198.5	224.3	226.7	224.7	238.0	251.1	243.4	280.0	286.5	310.7	337.4
30°	322.6	372.0	409.8	402.5	424.7	463.7	476.5	532.2	587.8	622.3	706.7
27.5°	562.1	587.1	664.6	719.1	706.5	770.2	896.5	935.6	1095.0	1171.3	1281.2
25°	890.1	934.4	1044.9	1174.4	1229.9	1336.5	1541.8	1640.0	1849.3	1956.2	2359.2
22.5°	1296.5	1446.7	1585.2	1759.3	2009.0	2221.1	2449.3	2832.7	3455.8	4351.1	5419.8
20°	1760.5	2012.1	2221.7	2543.2	2957.2	3356.1	3946.3	5648.1	7455.4	11225.4	13786.7
17.5°	2199.4	2598.9	2891.7	3318.7	3930.2	4928.7	6961.9	10765.7	16744.0	24046.9	31018.1
15°	2541.9	2950.3	3493.1	4137.5	5071.4	7025.5	10739.4	18258.0	29656.0	40784.0	52492.7
12.5°	2831.4	3263.3	3858.1	4731.1	6128.0	9640.4	16317.9	27643.8	42669.1	59235.4	76739.2
10°	3017.6	3542.1	4254.6	5407.5	7728.8	12719.0	21399.9	36576.9	56773.5	78402.3	97857.4
7.5°	3050.4	3690.4	4592.8	5995.3	9317.2	15930.5	27444.6	45298.4	67417.8	91778.1	116280.3
5°	3063.5	3828.5	4878.7	6457.0	10408.3	18253.5	30926.7	50886.0	75446.6	100465.0	126835.1
2.5°	3098.4	3964.0	5088.6	6780.0	11037.8	19638.8	32939.0	54888.5	80799.8	107966.7	137367.9
0°	3171.1	4106.0	5134.0	6835.1	11169.7	19668.2	34099.8	57182.0	84291.1	111738.5	142405.5
-2.5°	3210.6	4087.8	5095.7	6722.8	10999.7	19671.3	32984.3	55586.3	82470.5	109250.4	140153.9
-5°	3142.9	3905.2	4859.9	6383.9	10255.5	18098.2	30768.2	51466.2	76280.2	100358.3	125208.9
-7.5°	2997.6	3648.4	4524.8	5902.7	9101.7	15659.7	26762.7	43758.6	64829.6	85762.0	105122.7
-10°	2828.3	3376.2	4095.0	5204.2	7471.0	12382.0	20940.4	34313.2	52412.1	70381.7	86720.4
-12.5°	2645.6	3072.3	3604.5	4371.6	5782.9	9349.2	15870.1	26119.7	38634.5	52190.4	67031.0
-15°	2489.4	2804.0	3207.4	3860.8	4937.3	6965.0	10652.9	17473.6	26447.6	37074.8	48014.5
-17.5°	2384.5	2618.4	2969.7	3468.1	4129.8	5334.2	8003.3	12047.2	17821.4	25775.1	33000.2
-20°	2309.2	2529.1	2807.9	3200.4	3754.5	4603.7	5909.7	8696.9	12496.5	17651.8	22556.0



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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°	2255.5	2453.4	2689.0	3004.8	3499.7	4163.2	4996.9	6349.6	8742.5	11782.6	15192.1
-25°	2202.6	2366.8	2626.6	2966.1	3306.3	3781.1	4357.3	5021.4	6296.3	7647.9	9740.8
-27.5°	2142.1	2345.2	2635.6	2952.7	3259.2	3494.9	3903.9	4362.0	5037.0	5690.4	6765.6
-30°	2098.0	2357.7	2646.6	2951.5	3187.6	3395.9	3624.7	3974.8	4411.5	4873.4	5367.6
-32.5°	1878.8	2319.1	2615.6	2888.9	3084.3	3277.8	3480.4	3723.3	4002.5	4295.1	4595.3
-35°	1584.9	2053.9	2513.9	2728.2	2926.1	3121.3	3332.6	3529.4	3726.4	3924.2	4112.8
-37.5°	1224.8	1684.4	2118.9	2493.2	2720.5	2919.3	3144.6	3346.5	3519.3	3668.0	3813.1
-40°	1070.0	1230.5	1650.8	2044.8	2375.5	2690.5	2902.9	3126.6	3319.3	3456.4	3579.6
-42.5°	1027.4	1117.8	1210.9	1513.1	1878.3	2202.0	2490.1	2769.9	3034.7	3225.4	3372.0
-45°	990.3	1066.9	1146.7	1235.8	1324.8	1608.7	1908.1	2209.5	2521.3	2800.3	3026.3
-47.5°	922.0	1014.6	1093.2	1167.0	1237.7	1318.5	1401.9	1521.9	1795.5	2074.8	2329.3
-50°	837.5	924.3	1011.9	1099.1	1164.7	1226.6	1290.1	1361.7	1441.4	1522.8	1591.4
-52.5°	745.4	825.2	906.1	983.0	1056.5	1127.8	1197.5	1260.6	1320.0	1377.3	1411.0
-55°	670.6	734.6	798.3	864.2	931.1	996.4	1061.1	1126.4	1189.3	1249.4	1282.9
-57.5°	583.4	647.1	708.1	758.4	810.3	863.3	918.7	975.0	1030.1	1081.5	1110.4
-60°	488.6	543.9	596.7	645.6	693.7	740.7	786.1	830.7	873.6	910.9	933.5
-62.5°	393.4	438.4	482.2	523.7	564.1	603.8	646.2	686.5	724.4	755.0	773.9
-65°	312.1	346.4	376.9	406.8	436.2	470.2	506.3	540.6	572.7	597.7	614.2
-67.5°	221.1	250.6	278.5	305.1	329.6	353.8	379.5	404.6	428.8	447.5	460.8
-70°	139.3	157.9	176.3	196.0	217.4	238.7	259.9	279.4	297.2	310.6	320.8
-72.5°	75.9	84.9	94.3	108.2	121.6	135.8	150.4	164.1	177.0	186.0	192.7
-75°	36.0	40.0	47.3	53.7	59.4	65.7	72.0	77.9	83.2	86.0	87.5
-77.5°	24.7	26.7	28.5	30.1	31.5	33.4	35.4	37.4	39.4	40.7	41.7
-80°	18.4	19.2	20.0	20.8	21.6	22.5	23.3	24.1	24.7	25.4	26.0
-82.5°	13.3	13.7	14.1	14.5	14.8	15.4	16.0	16.6	17.1	17.5	18.0
-85°	9.3	9.6	9.8	10.0	10.2	10.5	10.8	11.2	11.6	11.6	11.7
-87.5°	6.7	7.0	7.4	7.7	8.1	8.1	8.2	8.2	8.2	8.2	8.3
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.9	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°	5.9	5.9	6.5	7.1	6.5	5.9	5.9	5.9	5.9	5.9	5.9
87.5°	0.3	0.0	0.6	1.2	0.6	0.0	0.3	0.6	0.9	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.8	2.4	1.8	1.2	1.2	1.2	1.2	1.2	1.5
75°	2.3	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.4
72.5°	5.7	5.8	5.9	5.9	5.9	5.8	5.7	5.5	5.3	5.2	5.4
70°	7.8	8.2	8.3	8.3	8.3	8.2	7.8	7.4	7.0	7.1	8.0
67.5°	9.3	9.4	9.4	9.4	9.4	9.4	9.3	9.1	8.9	9.1	10.0
65°	8.4	8.3	7.8	7.1	7.8	8.3	8.4	8.5	8.6	9.2	10.3
62.5°	6.9	7.1	7.1	7.1	7.1	7.1	6.9	6.7	6.7	7.5	8.8
60°	6.0	6.0	5.9	5.9	5.9	6.0	6.0	6.0	5.9	6.4	7.2
57.5°	5.9	5.9	6.4	7.1	6.4	5.9	5.9	5.9	5.9	6.1	6.3
55°	6.5	6.9	7.1	7.1	7.1	6.9	6.5	6.2	5.9	6.1	6.1
52.5°	7.5	7.2	7.1	7.1	7.1	7.2	7.5	7.5	7.3	7.1	7.0
50°	8.6	8.4	8.3	8.3	8.3	8.4	8.6	8.9	9.0	8.9	8.5
47.5°	11.3	10.8	10.6	10.6	10.6	10.8	11.3	11.6	11.6	11.4	10.6
45°	18.6	18.7	18.7	18.9	18.7	18.7	18.6	18.1	23.9	24.5	15.9
42.5°	43.7	37.8	32.7	33.0	32.7	37.8	43.7	45.5	66.3	75.5	73.1
40°	112.0	83.8	55.7	47.2	55.7	83.8	112.0	124.3	123.4	157.6	158.0
37.5°	115.3	117.7	138.5	186.3	138.5	117.7	115.3	127.6	125.9	105.6	123.3
35°	161.1	163.6	157.9	154.4	157.9	163.6	161.1	157.9	147.4	123.3	144.5
32.5°	342.7	357.9	356.1	346.6	356.1	357.9	342.7	337.4	310.7	286.5	280.0
30°	738.2	776.8	772.7	780.4	772.7	776.8	738.2	706.7	622.3	587.8	532.2
27.5°	1324.8	1372.5	1381.2	1371.0	1381.2	1372.5	1324.8	1281.2	1171.3	1095.0	935.6
25°	2629.8	2705.3	2677.7	2641.8	2677.7	2705.3	2629.8	2359.2	1956.2	1849.3	1640.0
22.5°	6669.3	6967.9	6937.1	6685.3	6937.1	6967.9	6669.3	5419.8	4351.1	3455.8	2832.7
20°	18323.2	20294.8	21152.9	19990.0	21152.9	20294.8	18323.2	13786.7	11225.4	7455.4	5648.1
17.5°	38783.5	44790.8	49062.0	50844.4	49062.0	44790.8	38783.5	31018.1	24046.9	16744.0	10765.7
15°	63439.8	72482.7	77741.8	77035.2	77741.8	72482.7	63439.8	52492.7	40784.0	29656.0	18258.0
12.5°	91223.4	101941.3	110823.6	111011.8	110823.6	101941.3	91223.4	76739.2	59235.4	42669.1	27643.8
10°	118097.1	132972.6	145095.9	147445.2	145095.9	132972.6	118097.1	97857.4	78402.3	56773.5	36576.9
7.5°	138258.5	161062.4	176280.6	181856.8	176280.6	161062.4	138258.5	116280.3	91778.1	67417.8	45298.4
5°	158182.8	182077.6	197584.0	200334.9	197584.0	182077.6	158182.8	126835.1	100465.0	75446.6	50886.0
2.5°	171621.4	195724.8	209294.2	218706.3	209294.2	195724.8	171621.4	137367.9	107966.7	80799.8	54888.5
0°	179493.1	199132.4	221585.7	232018.0	221585.7	199132.4	179493.1	142405.5	111738.5	84291.1	57182.0
-2.5°	173541.5	195635.2	208490.0	220344.9	208490.0	195635.2	173541.5	140153.9	109250.4	82470.5	55586.3
-5°	153829.9	177858.0	189214.7	190696.5	189214.7	177858.0	153829.9	125208.9	100358.3	76280.2	51466.2
-7.5°	125697.1	148069.1	158972.8	164991.9	158972.8	148069.1	125697.1	105122.7	85762.0	64829.6	43758.6
-10°	101753.0	114809.0	122149.1	122632.5	122149.1	114809.0	101753.0	86720.4	70381.7	52412.1	34313.2
-12.5°	78558.7	87316.2	91657.4	91498.7	91657.4	87316.2	78558.7	67031.0	52190.4	38634.5	26119.7
-15°	57647.8	64451.4	68367.3	70244.9	68367.3	64451.4	57647.8	48014.5	37074.8	26447.6	17473.6
-17.5°	40689.7	46094.6	50018.4	51603.6	50018.4	46094.6	40689.7	33000.2	25775.1	17821.4	12047.2
-20°	27739.5	31443.7	33989.4	35070.0	33989.4	31443.7	27739.5	22556.0	17651.8	12496.5	8696.9



REPORT NUMBER: P731410 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	18271.6	20754.9	22500.3	22406.7	22500.3	20754.9	18271.6	15192.1	11782.6	8742.5	6349.6
-25°	11647.9	13013.3	13909.8	13982.5	13909.8	13013.3	11647.9	9740.8	7647.9	6296.3	5021.4
-27.5°	7709.4	8309.6	8671.3	8734.2	8671.3	8309.6	7709.4	6765.6	5690.4	5037.0	4362.0
-30°	5834.9	6111.2	6318.0	6309.3	6318.0	6111.2	5834.9	5367.6	4873.4	4411.5	3974.8
-32.5°	4850.8	4986.7	5077.3	5150.5	5077.3	4986.7	4850.8	4595.3	4295.1	4002.5	3723.3
-35°	4242.1	4311.3	4361.8	4407.8	4361.8	4311.3	4242.1	4112.8	3924.2	3726.4	3529.4
-37.5°	3896.5	3944.4	3976.2	3986.9	3976.2	3944.4	3896.5	3813.1	3668.0	3519.3	3346.5
-40°	3626.7	3653.7	3669.7	3679.2	3669.7	3653.7	3626.7	3579.6	3456.4	3319.3	3126.6
-42.5°	3424.2	3461.2	3480.3	3480.0	3480.3	3461.2	3424.2	3372.0	3225.4	3034.7	2769.9
-45°	3155.8	3249.4	3306.2	3330.3	3306.2	3249.4	3155.8	3026.3	2800.3	2521.3	2209.5
-47.5°	2537.8	2715.6	2840.4	2905.9	2840.4	2715.6	2537.8	2329.3	2074.8	1795.5	1521.9
-50°	1653.0	1712.5	1737.5	1727.0	1737.5	1712.5	1653.0	1591.4	1522.8	1441.4	1361.7
-52.5°	1436.0	1457.3	1470.2	1475.9	1470.2	1457.3	1436.0	1411.0	1377.3	1320.0	1260.6
-55°	1311.2	1334.9	1350.2	1358.1	1350.2	1334.9	1311.2	1282.9	1249.4	1189.3	1126.4
-57.5°	1134.4	1153.6	1165.2	1170.6	1165.2	1153.6	1134.4	1110.4	1081.5	1030.1	975.0
-60°	952.9	968.5	978.9	984.4	978.9	968.5	952.9	933.5	910.9	873.6	830.7
-62.5°	789.1	800.7	810.9	818.1	810.9	800.7	789.1	773.9	755.0	724.4	686.5
-65°	627.6	637.9	645.3	649.6	645.3	637.9	627.6	614.2	597.7	572.7	540.6
-67.5°	471.7	480.1	487.1	491.6	487.1	480.1	471.7	460.8	447.5	428.8	404.6
-70°	328.9	335.1	341.2	345.4	341.2	335.1	328.9	320.8	310.6	297.2	279.4
-72.5°	198.0	201.9	203.7	203.9	203.7	201.9	198.0	192.7	186.0	177.0	164.1
-75°	88.4	88.6	90.5	92.0	90.5	88.6	88.4	87.5	86.0	83.2	77.9
-77.5°	42.6	43.3	44.1	44.8	44.1	43.3	42.6	41.7	40.7	39.4	37.4
-80°	26.5	27.0	27.1	27.1	27.1	27.0	26.5	26.0	25.4	24.7	24.1
-82.5°	18.4	18.8	18.9	18.9	18.9	18.8	18.4	18.0	17.5	17.1	16.6
-85°	11.7	11.8	11.8	11.8	11.8	11.8	11.7	11.7	11.6	11.6	11.2
-87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.2	8.2	8.2
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	1.2	1.2



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5.9	5.9	5.9	5.6	5.3	5.0	4.7	4.7	4.7	4.7	4.7
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.4	1.4	1.4
80°	1.2	1.2	1.2	1.4	1.5	1.5	1.6	1.7	1.9	2.1	2.2
77.5°	1.7	1.8	1.9	2.1	2.2	2.4	2.6	2.7	2.8	2.9	2.9
75°	2.6	2.8	3.0	3.4	3.5	3.5	3.4	3.3	3.3	3.4	3.4
72.5°	5.5	5.4	5.6	5.9	6.0	6.2	6.2	5.8	5.2	4.2	3.5
70°	8.7	9.2	10.1	11.4	12.1	12.4	12.1	11.1	9.5	8.3	6.7
67.5°	10.8	11.8	13.5	15.6	17.0	18.1	19.0	19.2	18.3	16.5	11.9
65°	11.5	12.6	14.3	16.0	18.0	20.5	24.2	26.0	26.1	24.9	19.2
62.5°	10.2	11.6	12.9	14.5	16.4	19.2	23.4	27.1	30.7	31.7	25.8
60°	8.3	9.5	10.5	11.9	13.7	17.3	21.9	26.4	30.6	30.8	28.9
57.5°	6.8	7.6	8.6	9.6	10.4	13.6	18.6	24.8	29.9	29.0	27.9
55°	5.9	6.6	7.6	8.5	9.6	11.5	14.4	19.0	24.5	26.4	25.4
52.5°	7.0	7.1	7.4	7.9	8.9	10.2	11.9	15.1	17.9	20.5	22.1
50°	8.2	8.2	8.1	8.2	8.9	9.5	10.6	12.4	14.3	16.4	18.1
47.5°	10.5	10.5	9.6	9.4	10.8	10.3	10.7	11.5	13.3	13.9	15.6
45°	17.6	17.4	14.2	15.0	16.3	16.3	13.5	14.7	14.8	14.9	14.1
42.5°	57.2	39.7	30.2	27.2	25.7	25.7	24.1	22.4	20.8	18.5	18.6
40°	109.6	93.5	72.1	48.7	40.5	37.5	38.9	33.9	30.5	26.5	27.6
37.5°	120.0	85.2	98.6	91.0	66.4	61.8	63.3	54.2	42.3	49.5	48.3
35°	129.5	120.6	134.9	133.6	107.7	123.5	108.9	88.1	77.8	88.8	80.0
32.5°	243.4	251.1	238.0	224.7	226.7	224.3	198.5	148.9	150.4	149.6	131.6
30°	476.5	463.7	424.7	402.5	409.8	372.0	322.6	313.6	276.0	226.5	197.6
27.5°	896.5	770.2	706.5	719.1	664.6	587.1	562.1	545.7	445.9	353.2	281.8
25°	1541.8	1336.5	1229.9	1174.4	1044.9	934.4	890.1	829.3	700.7	516.8	392.1
22.5°	2449.3	2221.1	2009.0	1759.3	1585.2	1446.7	1296.5	1151.9	999.6	752.9	559.5
20°	3946.3	3356.1	2957.2	2543.2	2221.7	2012.1	1760.5	1513.3	1303.5	1050.5	752.1
17.5°	6961.9	4928.7	3930.2	3318.7	2891.7	2598.9	2199.4	1835.1	1594.9	1367.6	958.3
15°	10739.4	7025.5	5071.4	4137.5	3493.1	2950.3	2541.9	2122.5	1874.6	1657.6	1206.8
12.5°	16317.9	9640.4	6128.0	4731.1	3858.1	3263.3	2831.4	2422.7	2101.2	1807.3	1384.0
10°	21399.9	12719.0	7728.8	5407.5	4254.6	3542.1	3017.6	2538.1	2162.9	1886.5	1531.7
7.5°	27444.6	15930.5	9317.2	5995.3	4592.8	3690.4	3050.4	2553.8	2199.4	1942.6	1651.0
5°	30926.7	18253.5	10408.3	6457.0	4878.7	3828.5	3063.5	2525.8	2214.0	1979.2	1743.0
2.5°	32939.0	19638.8	11037.8	6780.0	5088.6	3964.0	3098.4	2530.0	2231.8	2003.3	1778.4
0°	34099.8	19668.2	11169.7	6835.1	5134.0	4106.0	3171.1	2572.3	2246.9	2018.2	1790.7
-2.5°	32984.3	19671.3	10999.7	6722.8	5095.7	4087.8	3210.6	2618.1	2283.0	2026.7	1785.9
-5°	30768.2	18098.2	10255.5	6383.9	4859.9	3905.2	3142.9	2600.4	2274.2	2014.4	1760.4
-7.5°	26762.7	15659.7	9101.7	5902.7	4524.8	3648.4	2997.6	2509.7	2189.0	1945.3	1680.2
-10°	20940.4	12382.0	7471.0	5204.2	4095.0	3376.2	2828.3	2394.1	2093.0	1868.5	1585.0
-12.5°	15870.1	9349.2	5782.9	4371.6	3604.5	3072.3	2645.6	2269.5	1987.6	1785.8	1477.6
-15°	10652.9	6965.0	4937.3	3860.8	3207.4	2804.0	2489.4	2191.1	1949.4	1722.7	1360.7
-17.5°	8003.3	5334.2	4129.8	3468.1	2969.7	2618.4	2384.5	2151.8	1928.7	1672.4	1252.1
-20°	5909.7	4603.7	3754.5	3200.4	2807.9	2529.1	2309.2	2117.2	1895.7	1549.5	1120.4



REPORT NUMBER: P731410 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	4996.9	4163.2	3499.7	3004.8	2689.0	2453.4	2255.5	2072.8	1848.1	1387.3	974.8
-25°	4357.3	3781.1	3306.3	2966.1	2626.6	2366.8	2202.6	2013.1	1665.0	1204.9	838.7
-27.5°	3903.9	3494.9	3259.2	2952.7	2635.6	2345.2	2142.1	1919.4	1457.0	1036.8	824.8
-30°	3624.7	3395.9	3187.6	2951.5	2646.6	2357.7	2098.0	1676.1	1244.7	894.0	814.7
-32.5°	3480.4	3277.8	3084.3	2888.9	2615.6	2319.1	1878.8	1415.2	1006.1	877.4	796.9
-35°	3332.6	3121.3	2926.1	2728.2	2513.9	2053.9	1584.9	1136.9	937.3	853.1	773.0
-37.5°	3144.6	2919.3	2720.5	2493.2	2118.9	1684.4	1224.8	1006.9	908.6	821.6	735.4
-40°	2902.9	2690.5	2375.5	2044.8	1650.8	1230.5	1070.0	972.2	880.0	780.0	689.6
-42.5°	2490.1	2202.0	1878.3	1513.1	1210.9	1117.8	1027.4	939.7	842.2	736.4	641.9
-45°	1908.1	1608.7	1324.8	1235.8	1146.7	1066.9	990.3	892.3	788.6	687.5	592.7
-47.5°	1401.9	1318.5	1237.7	1167.0	1093.2	1014.6	922.0	827.6	726.8	632.7	552.7
-50°	1290.1	1226.6	1164.7	1099.1	1011.9	924.3	837.5	750.5	662.2	583.9	508.5
-52.5°	1197.5	1127.8	1056.5	983.0	906.1	825.2	745.4	676.6	604.0	529.5	459.6
-55°	1061.1	996.4	931.1	864.2	798.3	734.6	670.6	604.6	536.7	468.6	404.3
-57.5°	918.7	863.3	810.3	758.4	708.1	647.1	583.4	521.7	462.3	401.3	345.0
-60°	786.1	740.7	693.7	645.6	596.7	543.9	488.6	434.5	381.9	336.9	292.2
-62.5°	646.2	603.8	564.1	523.7	482.2	438.4	393.4	353.7	315.3	276.5	233.9
-65°	506.3	470.2	436.2	406.8	376.9	346.4	312.1	277.1	242.6	209.1	171.7
-67.5°	379.5	353.8	329.6	305.1	278.5	250.6	221.1	192.3	167.7	143.5	114.3
-70°	259.9	238.7	217.4	196.0	176.3	157.9	139.3	119.9	99.7	84.0	68.2
-72.5°	150.4	135.8	121.6	108.2	94.3	84.9	75.9	65.8	54.7	42.7	33.9
-75°	72.0	65.7	59.4	53.7	47.3	40.0	36.0	33.3	30.6	27.9	25.1
-77.5°	35.4	33.4	31.5	30.1	28.5	26.7	24.7	22.9	21.7	20.6	19.5
-80°	23.3	22.5	21.6	20.8	20.0	19.2	18.4	17.6	16.9	16.2	15.4
-82.5°	16.0	15.4	14.8	14.5	14.1	13.7	13.3	12.8	12.3	11.8	11.3
-85°	10.8	10.5	10.2	10.0	9.8	9.6	9.3	9.2	9.0	8.8	8.5
-87.5°	8.2	8.1	8.1	7.7	7.4	7.0	6.7	6.6	6.5	6.5	6.4
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2





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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	4.7	4.7	4.7	4.7	4.4	4.1	3.8	3.5	3.5	3.5	3.5
87.5°	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.4	2.4	2.4
85°	1.3	1.4	1.4	1.4	1.6	1.8	2.1	2.4	2.4	2.4	2.4
82.5°	1.5	1.8	2.0	2.1	2.1	2.1	2.2	2.4	2.4	2.4	2.4
80°	2.1	2.2	2.3	2.4	2.4	2.4	2.4	2.4	2.6	2.6	2.6
77.5°	2.7	2.5	2.4	2.4	2.4	2.4	2.4	2.5	2.7	2.8	2.8
75°	3.1	2.8	2.5	2.4	2.5	2.4	2.4	2.5	2.8	3.0	3.1
72.5°	3.4	3.1	2.7	2.5	2.7	2.7	2.6	2.5	2.8	3.0	3.3
70°	5.0	3.8	3.3	3.1	3.0	3.1	3.0	2.9	2.8	3.1	3.3
67.5°	7.7	5.8	4.5	3.6	3.3	3.3	3.4	3.2	3.1	3.1	3.4
65°	13.8	9.3	5.8	4.6	3.8	3.5	3.5	3.5	3.3	3.3	3.4
62.5°	19.7	13.8	9.4	6.1	4.3	3.7	3.5	3.7	3.5	3.4	3.4
60°	25.7	19.2	13.4	9.4	5.9	3.8	3.6	3.8	3.8	3.5	3.5
57.5°	26.0	23.9	18.9	13.2	8.8	5.1	3.8	4.0	4.0	3.7	3.5
55°	24.8	23.6	22.6	18.0	12.1	7.5	4.7	4.3	4.3	4.0	3.6
52.5°	22.0	23.2	23.4	21.4	16.2	10.2	6.9	4.6	4.6	4.4	3.9
50°	19.0	22.1	24.0	23.0	19.8	14.1	8.9	6.2	5.0	4.7	4.2
47.5°	17.9	21.5	24.0	24.6	22.0	17.9	12.0	7.8	5.4	5.1	4.6
45°	18.1	21.0	24.2	25.5	24.4	20.6	15.3	9.2	6.7	5.5	4.9
42.5°	19.5	22.1	24.2	26.9	26.0	22.8	18.5	11.9	7.8	5.9	5.2
40°	26.4	24.7	25.2	28.1	27.9	24.8	20.6	14.7	8.8	6.4	5.5
37.5°	35.8	31.4	28.5	32.1	30.7	27.0	22.4	17.3	10.1	7.2	5.8
35°	61.2	42.1	41.9	42.0	36.5	29.5	24.2	19.5	12.5	7.9	6.1
32.5°	93.3	72.6	70.7	58.9	44.5	32.4	26.3	21.4	14.9	8.5	6.4
30°	155.4	139.6	110.6	80.6	57.0	40.0	29.4	23.4	17.3	9.1	6.7
27.5°	257.4	222.3	164.6	117.4	78.0	49.8	33.7	25.5	19.7	10.1	7.2
25°	362.9	318.1	244.8	164.5	102.2	69.5	38.6	27.6	21.6	12.0	7.6
22.5°	465.0	417.8	335.4	218.1	137.7	94.9	49.3	31.5	23.3	13.8	8.0
20°	564.5	519.8	428.0	266.9	179.3	125.9	67.8	35.6	24.9	15.5	8.3
17.5°	674.4	598.3	480.1	324.2	220.6	157.2	89.2	40.0	26.5	17.1	8.6
15°	809.3	644.8	530.3	375.0	257.4	188.4	112.7	44.4	28.1	18.6	9.0
12.5°	930.1	687.8	579.8	419.6	289.9	219.3	137.6	48.9	29.6	20.3	9.5
10°	1043.5	727.3	627.5	458.1	318.6	249.4	162.9	53.9	32.0	22.3	10.0
7.5°	1147.1	763.4	672.4	490.7	342.1	270.2	178.7	60.1	34.5	24.0	10.5
5°	1231.6	792.1	703.6	512.9	353.7	280.2	190.1	66.1	37.0	25.7	11.0
2.5°	1271.3	811.8	722.9	529.5	363.5	288.0	198.5	71.6	39.2	27.1	11.4
0°	1292.0	828.7	735.6	541.1	371.3	293.5	203.9	76.6	41.3	28.3	11.8
-2.5°	1295.0	832.5	738.8	553.0	383.7	301.6	211.1	90.2	51.9	34.8	15.5
-5°	1278.8	833.0	736.5	559.6	393.6	307.4	216.0	103.0	62.0	40.9	19.0
-7.5°	1223.3	820.4	723.9	560.2	400.7	311.0	218.8	114.7	71.5	46.5	22.3
-10°	1145.0	798.4	699.5	550.7	407.4	316.0	221.1	125.3	80.2	51.4	25.3
-12.5°	1049.3	773.7	674.5	539.2	412.4	322.8	228.5	135.9	88.0	55.6	27.9
-15°	936.8	746.3	650.3	526.6	415.3	328.4	233.7	145.4	95.0	59.4	30.0
-17.5°	813.1	716.5	628.2	513.9	416.4	332.8	236.8	152.6	100.9	62.7	31.9
-20°	785.7	698.7	608.8	501.8	415.7	336.4	237.7	157.4	105.6	64.9	33.6



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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°	775.2	690.8	596.2	496.3	414.6	339.3	236.5	159.5	108.8	65.9	34.5
-25°	764.3	681.1	582.0	488.5	414.4	335.3	235.8	158.9	110.7	65.7	34.7
-27.5°	751.4	667.6	564.3	476.3	406.0	329.0	234.3	160.4	110.8	64.2	34.0
-30°	736.9	644.7	546.4	460.9	394.6	312.3	229.1	160.1	108.8	62.8	32.5
-32.5°	716.4	618.2	524.2	446.0	375.8	294.0	217.2	157.8	105.0	60.9	31.4
-35°	681.5	587.7	497.3	427.4	353.8	276.7	204.6	153.4	99.4	57.8	30.0
-37.5°	642.8	553.1	473.6	404.2	330.8	257.7	195.0	143.7	91.9	53.4	28.0
-40°	602.1	519.3	447.5	378.2	307.9	237.2	183.2	131.5	84.9	47.7	25.2
-42.5°	559.1	487.6	418.7	351.5	283.8	221.9	169.3	117.6	76.0	42.8	21.7
-45°	521.1	453.1	387.4	322.5	259.1	204.4	151.8	102.4	65.6	38.0	18.8
-47.5°	480.3	416.7	353.4	291.1	236.9	184.1	132.2	89.2	54.0	32.2	17.6
-50°	438.6	377.3	316.6	261.6	211.5	159.9	111.9	74.4	46.0	25.2	16.1
-52.5°	394.4	334.6	280.8	231.4	181.7	133.5	93.3	58.9	37.2	21.5	14.4
-55°	344.6	293.2	245.1	196.4	149.0	109.1	73.1	48.0	27.8	19.1	12.6
-57.5°	297.4	251.6	203.8	157.7	118.2	83.8	56.8	36.4	23.3	16.6	11.9
-60°	248.2	202.6	158.5	121.4	87.9	61.9	42.7	26.9	20.1	14.2	11.2
-62.5°	191.9	152.0	117.6	85.8	62.6	44.6	29.6	23.0	16.8	13.3	10.4
-65°	138.2	106.2	77.1	59.2	42.3	29.9	24.9	19.0	15.1	12.2	9.7
-67.5°	86.1	68.0	51.1	35.7	29.0	24.5	19.9	16.6	13.8	11.1	9.1
-70°	52.5	37.8	30.9	27.0	23.0	19.4	17.3	15.0	12.4	10.4	8.5
-72.5°	30.6	27.2	24.0	20.8	18.8	17.0	15.2	13.4	11.4	9.6	7.9
-75°	22.3	20.7	19.2	17.6	16.0	14.5	13.4	12.1	10.3	8.7	7.2
-77.5°	18.3	17.0	15.7	14.5	13.5	12.6	11.7	10.8	9.2	7.8	6.5
-80°	14.5	13.6	12.7	11.9	11.2	10.6	10.0	9.4	8.1	6.9	5.8
-82.5°	10.7	10.3	10.0	9.6	9.2	8.8	8.4	8.0	6.9	5.9	5.1
-85°	8.3	8.1	7.9	7.6	7.4	7.1	6.8	6.5	5.8	5.1	4.6
-87.5°	6.3	6.2	6.2	6.1	5.8	5.6	5.3	5.0	4.6	4.3	4.0
-90°	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.4	2.4	2.4



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	3.5	3.5	3.5	3.5	3.5	2.9	2.4
87.5°	2.4	2.5	2.5	2.5	2.5	2.4	2.4
85°	2.4	2.5	2.6	2.6	2.6	2.5	2.4
82.5°	2.4	2.6	2.7	2.7	2.7	2.5	2.4
80°	2.5	2.7	2.8	2.8	2.8	2.6	2.4
77.5°	2.7	2.8	2.9	2.9	2.9	2.6	2.4
75°	3.0	2.9	3.0	3.1	3.0	2.7	2.4
72.5°	3.3	3.1	3.1	3.2	3.1	2.7	2.4
70°	3.5	3.3	3.2	3.3	3.2	2.8	2.4
67.5°	3.5	3.4	3.3	3.3	3.2	2.8	2.4
65°	3.5	3.5	3.4	3.4	3.3	2.9	2.4
62.5°	3.5	3.5	3.4	3.4	3.4	2.9	2.4
60°	3.5	3.5	3.5	3.4	3.5	2.9	2.4
57.5°	3.6	3.5	3.5	3.4	3.5	3.0	2.4
55°	3.6	3.5	3.5	3.5	3.5	3.0	2.4
52.5°	3.7	3.5	3.5	3.5	3.5	3.1	2.4
50°	3.8	3.6	3.5	3.5	3.5	3.1	2.4
47.5°	4.0	3.7	3.5	3.5	3.5	3.1	2.4
45°	4.3	3.9	3.5	3.5	3.5	3.2	2.4
42.5°	4.5	4.0	3.5	3.5	3.5	3.2	2.4
40°	4.8	4.2	3.6	3.5	3.5	3.2	2.4
37.5°	5.1	4.3	3.7	3.5	3.5	3.3	2.4
35°	5.3	4.5	3.8	3.5	3.5	3.3	2.4
32.5°	5.6	4.7	3.9	3.5	3.5	3.3	2.4
30°	5.8	4.9	4.0	3.5	3.5	3.4	2.4
27.5°	6.0	5.1	4.2	3.5	3.5	3.4	2.4
25°	6.2	5.3	4.2	3.5	3.5	3.4	2.4
22.5°	6.4	5.4	4.3	3.5	3.5	3.4	2.4
20°	6.6	5.5	4.4	3.5	3.5	3.4	2.4
17.5°	6.8	5.6	4.5	3.5	3.5	3.4	2.4
15°	7.0	5.7	4.5	3.5	3.5	3.5	2.4
12.5°	7.3	5.8	4.6	3.5	3.5	3.5	2.4
10°	7.5	5.8	4.6	3.5	3.5	3.5	2.4
7.5°	7.7	5.8	4.7	3.5	3.5	3.5	2.4
5°	7.9	5.9	4.7	3.5	3.5	3.5	2.4
2.5°	8.1	5.9	4.7	3.5	3.5	3.5	2.4
0°	8.3	5.9	4.7	3.5	3.5	3.5	2.4
-2.5°	9.7	6.4	4.9	3.7	3.6	3.5	2.4
-5°	11.0	6.9	5.1	3.8	3.6	3.5	2.4
-7.5°	12.3	7.4	5.3	4.0	3.7	3.5	2.4
-10°	13.4	7.8	5.5	4.1	3.7	3.5	2.4
-12.5°	14.4	8.2	5.6	4.3	3.7	3.5	2.4
-15°	15.2	8.5	5.8	4.4	3.8	3.5	2.4
-17.5°	15.8	8.8	5.9	4.5	3.8	3.5	2.4
-20°	16.4	9.0	6.1	4.6	3.9	3.4	2.4



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.0	9.1	6.2	4.7	3.9	3.4	2.4
-25°	17.1	9.3	6.3	4.8	3.9	3.4	2.4
-27.5°	16.9	9.3	6.4	4.9	3.9	3.4	2.4
-30°	16.2	9.3	6.5	4.9	3.9	3.4	2.4
-32.5°	15.0	9.1	6.5	5.0	3.9	3.4	2.4
-35°	14.4	8.8	6.5	5.0	3.9	3.4	2.4
-37.5°	14.1	8.6	6.5	5.0	3.9	3.3	2.4
-40°	13.5	8.6	6.5	5.0	3.9	3.3	2.4
-42.5°	12.8	8.5	6.4	5.0	3.9	3.3	2.4
-45°	12.0	8.4	6.4	4.9	3.9	3.3	2.4
-47.5°	10.9	8.2	6.3	4.9	3.8	3.3	2.4
-50°	10.5	8.0	6.2	4.8	3.8	3.3	2.4
-52.5°	10.2	7.7	6.1	4.7	3.7	3.2	2.4
-55°	9.7	7.5	5.9	4.6	3.6	3.2	2.4
-57.5°	9.2	7.3	5.8	4.5	3.6	3.2	2.4
-60°	8.7	7.0	5.6	4.4	3.5	3.2	2.4
-62.5°	8.3	6.7	5.4	4.2	3.5	3.2	2.4
-65°	7.9	6.4	5.1	4.1	3.5	3.2	2.4
-67.5°	7.4	6.1	4.9	3.9	3.5	3.1	2.4
-70°	7.0	5.7	4.7	3.8	3.5	3.1	2.4
-72.5°	6.4	5.3	4.4	3.7	3.5	3.1	2.4
-75°	5.9	4.9	4.1	3.7	3.5	3.1	2.4
-77.5°	5.3	4.5	4.0	3.7	3.5	3.1	2.4
-80°	4.7	4.3	3.9	3.6	3.5	3.0	2.4
-82.5°	4.4	4.1	3.8	3.6	3.5	3.0	2.4
-85°	4.1	3.9	3.7	3.6	3.5	3.0	2.4
-87.5°	3.8	3.7	3.6	3.5	3.5	3.0	2.4
-90°	2.4	2.4	2.4	2.4	2.4	2.4	2.4

(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

