

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: P701724 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-80-1S-CV2-S**

Issue Date: 8/29/2023

**Test Information**

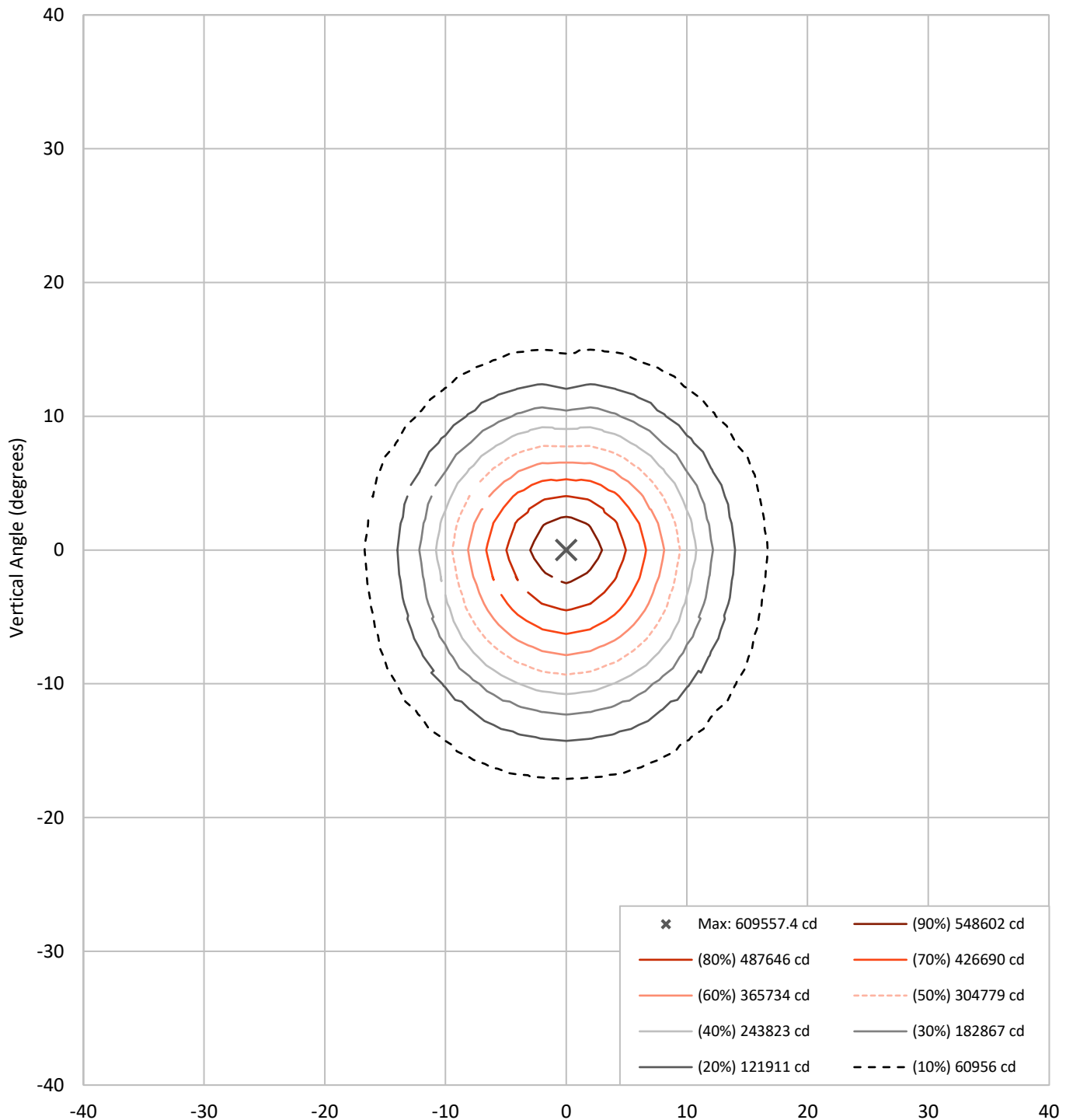
Test Method: LM-79-08  
Report Number: P701724 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680R-57-80-1S-CV2-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 1S 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:	70276.7 lumens	Max Intensity:	609557.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	97.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 17.1°V	Field Angle (10%):	33.2°H x 31.5°V
Beam Lumens:	32371.1 lumens	Field Lumens:	59503 lumens
Beam Efficiency:	46.1%	Field Efficiency:	84.7%
Input Watts (W):	724.6		
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





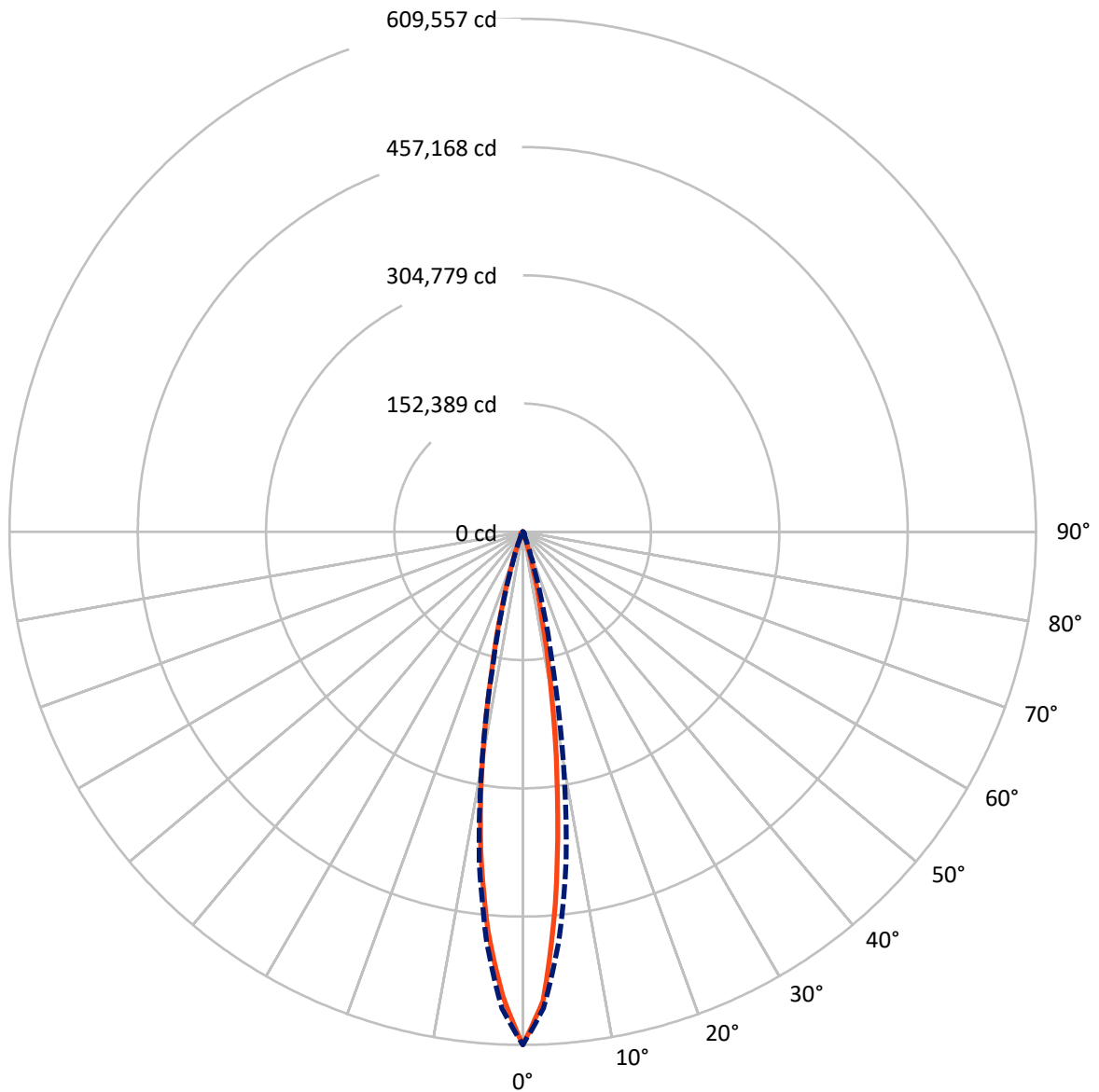
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### Lumen Table

90	0.2	0.4	0.6	0.5	0.6	0.5	0.6	0.4	0.2										
80	0.2	0.4	0.6	0.5	0.6	0.5	0.6	0.4	0.2										
70	0.2	0.1	0.2	0.5	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.5	0.2	0.1	0.2			
60		0.1	0.3	0.6	0.4	0.3	0.2	0.3	0.3	0.2	0.3	0.4	0.6	0.3	0.1				
50	0.2	0.2	0.4	0.4	0.6	0.8	1.0	1.2	1.2	1.0	0.8	0.6	0.4	0.4	0.2	0.2			
40		0.2	0.8	1.5	3.4	5.3	5.7	6.5	6.5	5.7	5.3	3.4	1.5	0.8	0.2				
30	0.2	0.4	2.5	8.5	22.7	27.6	36.5	68.0	68.0	36.5	27.6	22.7	8.5	2.5	0.4	0.2			
20		0.8	5.4	22.2	48.4	68.0	464.1	1866.2	1866.2	464.1	68.0	48.4	22.2	5.4	0.8				
10	0.3	1.6	9.3	42.8	73.0	169.2	2424.8	10464.4	10464.4	2424.8	169.2	73.0	42.8	9.3	1.6	0.3			
0		2.6	12.3	50.4	84.4	168.0	2630.6	11199.7	11199.7	2630.6	168.0	84.4	50.4	12.3	2.6				
-10	0.5	3.0	12.7	47.4	89.8	105.5	763.0	2889.3	2889.3	763.0	105.5	89.8	47.4	12.7	3.0	0.5			
-20		2.9	11.0	26.2	68.5	85.0	103.6	191.7	191.7	103.6	85.0	68.5	26.2	11.0	2.9				
-30	0.4	2.4	8.3	15.4	38.1	72.4	86.6	89.7	89.7	86.6	72.4	38.1	15.4	8.3	2.4	0.4			
-40		1.6	5.7	12.2	19.5	35.4	64.7	89.3	89.3	64.7	35.4	19.5	12.2	5.7	1.6				
-50	0.3	0.7	3.3	8.2	14.9	21.3	26.5	29.6	29.6	26.5	21.3	14.9	8.2	3.3	0.7	0.3			
-60		0.3	1.1	3.8	7.9	13.0	18.1	21.4	21.4	18.1	13.0	7.9	3.8	1.1	0.3				
-70	0.2	0.9	2.9	7.1	10.4	7.1	2.9	0.9	0.2						0.2				
-80		0.2	0.9	2.9	7.1	10.4	7.1	2.9	0.9	0.2									
-90	0.2	0.9	2.9	7.1	10.4	7.1	2.9	0.9	0.2						0.2				

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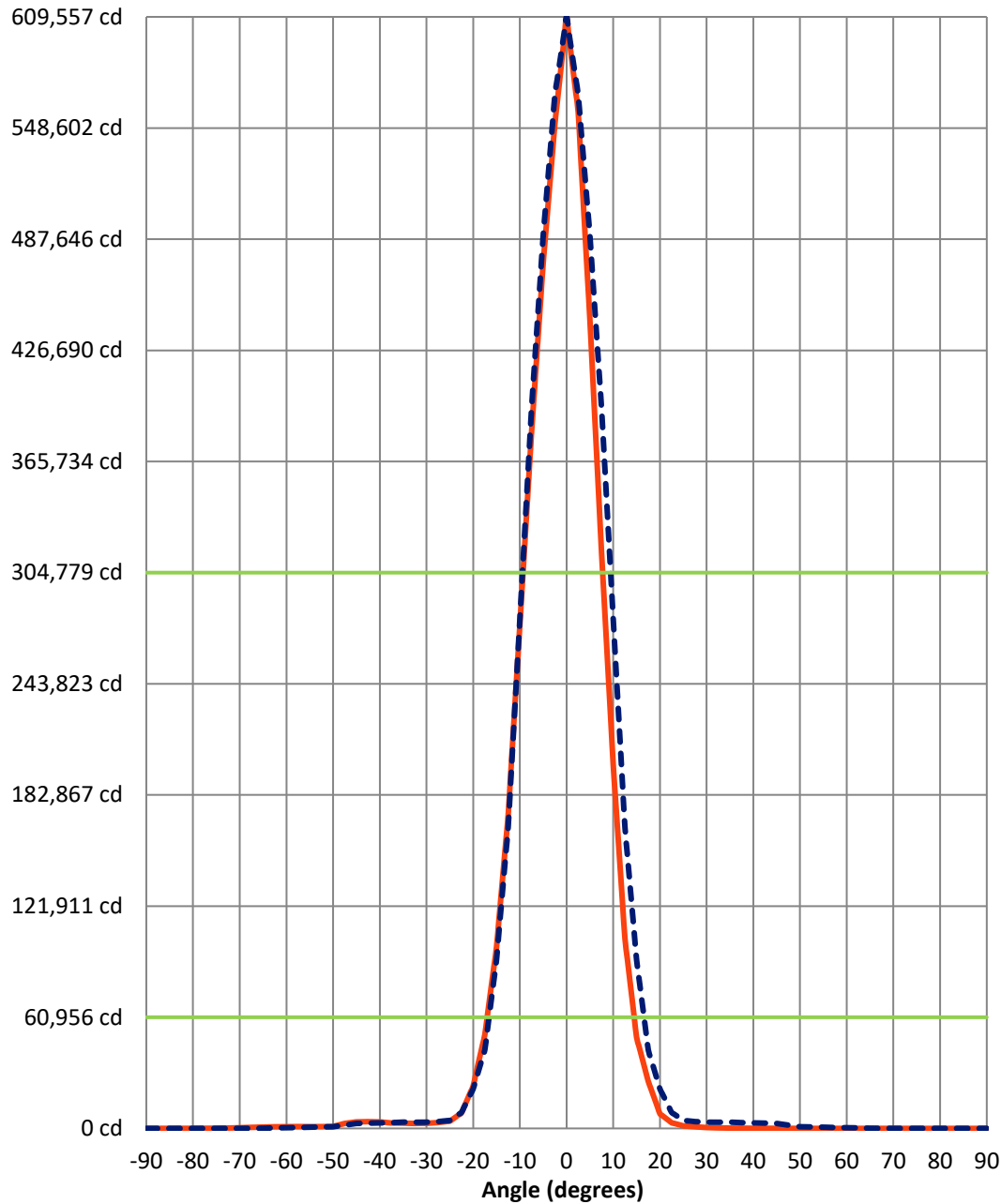
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 18.9°  
 V Angle: 17.1°  
 Lumens: 32371.1  
 Efficiency: 46.1%

**Field:**  
 H Angle: 33.2°  
 V Angle: 31.5°  
 Lumens: 59503  
 Efficiency: 84.7%

**Spill:**  
 Lumens: 10773.8  
 Efficiency: 15.3%

- 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°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.9	8.3	8.6	9.0
87.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.1	6.8	6.4	6.0
85°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.1	6.8	6.4	6.0
82.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.1	6.8	6.6	6.4
80°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.2	7.0	7.0	7.0
77.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.3	7.3	7.4	7.5
75°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.5	7.5	7.5
72.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
70°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.6
67.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.7	7.7
65°	7.5	7.5	7.5	7.5	7.5	7.6	7.6	7.5	7.8	8.0	7.8
62.5°	7.5	7.5	7.5	7.5	7.5	7.7	7.7	7.8	8.2	8.2	7.9
60°	7.5	7.5	7.5	7.5	7.5	7.8	7.8	8.2	8.6	8.3	8.0
57.5°	7.5	7.5	7.5	7.5	7.6	7.9	8.1	8.6	8.7	8.4	8.0
55°	7.5	7.5	7.5	7.5	7.8	8.1	8.4	9.0	8.8	8.4	8.1
52.5°	7.5	7.5	7.5	7.5	8.0	8.3	8.6	9.0	8.8	8.5	8.2
50°	7.5	7.5	7.5	7.5	8.1	8.4	8.8	9.0	8.9	8.6	9.2
47.5°	7.5	7.5	7.5	7.5	8.3	8.6	9.0	9.0	9.0	8.7	10.1
45°	7.5	7.5	7.5	7.7	8.5	8.7	9.0	9.0	9.1	9.3	10.9
42.5°	7.5	7.5	7.5	7.8	8.7	8.8	9.0	9.1	9.1	9.8	11.9
40°	7.5	7.5	7.5	7.9	8.8	8.9	9.0	9.2	9.4	10.2	12.7
37.5°	7.5	7.5	7.5	8.1	8.9	9.0	9.0	9.3	9.8	10.9	13.3
35°	7.5	7.5	7.5	8.2	8.9	9.0	9.0	9.5	10.2	12.0	13.8
32.5°	7.5	7.5	7.5	8.3	9.0	9.0	9.0	9.7	10.6	13.2	15.5
30°	7.5	7.5	7.5	8.4	9.0	9.0	9.2	10.0	11.0	14.7	17.5
27.5°	7.5	7.5	7.5	8.5	9.0	9.0	9.4	10.3	11.7	16.3	19.8
25°	7.5	7.5	7.5	8.6	9.0	9.0	9.5	10.6	12.9	18.1	22.3
22.5°	7.5	7.5	7.5	8.7	9.0	9.0	9.7	10.9	14.2	20.1	26.2
20°	7.5	7.5	7.5	8.7	9.0	9.1	9.9	11.2	15.5	22.2	30.0
17.5°	7.5	7.5	7.5	8.8	9.0	9.3	10.2	11.4	16.9	24.4	33.6
15°	7.5	7.5	7.5	8.8	9.0	9.4	10.5	11.8	18.2	26.6	37.0
12.5°	7.5	7.5	7.5	8.9	9.0	9.6	10.8	12.3	19.6	28.9	40.3
10°	7.5	7.5	7.5	8.9	9.0	9.8	11.1	12.9	21.1	31.6	45.0
7.5°	7.5	7.5	7.5	9.0	9.0	10.0	11.3	13.4	22.4	34.4	53.5
5°	7.5	7.5	7.5	9.0	9.0	10.1	11.6	14.0	23.5	37.1	62.3
2.5°	7.5	7.5	7.5	9.0	9.0	10.3	11.8	14.5	24.6	39.6	71.0
0°	7.5	7.5	7.5	9.0	9.0	10.5	12.0	15.0	25.5	41.9	79.4
-2.5°	7.5	7.5	7.6	9.0	9.1	10.7	12.8	18.0	32.2	54.4	100.6
-5°	7.5	7.5	7.6	9.0	9.3	10.8	13.5	20.9	38.5	66.3	120.5
-7.5°	7.5	7.5	7.7	9.0	9.4	10.9	14.2	23.6	44.4	77.4	138.6
-10°	7.5	7.5	7.8	8.9	9.5	11.0	14.8	25.9	49.6	87.2	154.5
-12.5°	7.5	7.5	7.8	8.9	9.6	11.1	15.3	27.8	53.9	95.9	167.0
-15°	7.5	7.5	7.9	8.9	9.7	11.2	15.7	29.3	58.7	105.0	176.7
-17.5°	7.5	7.5	7.9	8.9	9.7	11.3	15.9	31.5	64.1	112.6	184.1
-20°	7.5	7.5	8.0	8.9	9.8	11.3	16.5	34.0	68.2	118.4	189.0



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 CATALOG NUMBER: EPH-LS-08-0680R-57-80-1S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.5	7.5	8.0	8.9	9.8	11.4	17.4	35.6	70.9	122.5	191.2
-25°	7.5	7.5	8.0	8.8	9.8	11.7	18.0	36.2	71.9	124.6	190.6
-27.5°	7.5	7.5	8.0	8.8	9.8	12.0	18.1	35.7	71.3	125.2	192.2
-30°	7.5	7.5	8.0	8.9	9.7	12.2	17.8	34.0	70.3	124.3	191.5
-32.5°	7.5	7.5	8.1	8.9	9.8	12.4	16.9	33.2	68.3	121.1	188.1
-35°	7.5	7.5	8.0	8.9	9.8	12.4	16.7	32.1	64.7	115.4	181.9
-37.5°	7.5	7.5	8.0	8.9	9.8	12.4	16.7	30.3	59.3	107.3	165.8
-40°	7.5	7.5	8.0	9.0	9.8	12.4	16.6	27.7	52.1	98.9	148.5
-42.5°	7.5	7.5	8.0	9.0	9.8	12.3	16.3	24.3	46.7	86.0	129.9
-45°	7.5	7.5	7.9	9.1	9.8	12.2	15.9	21.7	41.8	71.6	110.7
-47.5°	7.5	7.5	7.9	9.1	9.9	11.9	15.3	20.9	35.8	56.7	93.8
-50°	7.5	7.5	7.8	9.0	9.9	11.7	14.9	20.0	28.2	48.0	76.0
-52.5°	7.5	7.5	7.8	8.9	9.8	11.3	14.4	18.8	24.5	38.9	58.2
-55°	7.5	7.5	7.7	8.7	9.8	11.1	13.9	17.5	22.7	29.4	47.5
-57.5°	7.5	7.5	7.6	8.6	9.7	11.0	13.2	16.7	20.7	25.5	36.3
-60°	7.5	7.5	7.5	8.5	9.5	10.7	12.6	15.7	18.8	23.2	27.7
-62.5°	7.5	7.5	7.5	8.3	9.3	10.5	12.1	14.6	17.7	20.9	25.1
-65°	7.5	7.5	7.5	8.2	9.1	10.1	11.6	13.7	16.4	19.3	22.4
-67.5°	7.5	7.5	7.5	8.0	8.9	9.8	11.1	12.9	15.2	17.8	20.5
-70°	7.5	7.5	7.5	7.8	8.7	9.6	10.5	12.1	14.1	16.4	18.9
-72.5°	7.5	7.5	7.5	7.8	8.5	9.3	10.1	11.3	13.1	15.0	17.2
-75°	7.5	7.5	7.5	7.8	8.2	9.0	9.7	10.7	11.9	13.6	15.5
-77.5°	7.5	7.5	7.5	7.7	8.1	8.7	9.4	10.2	11.2	12.4	13.8
-80°	7.5	7.5	7.5	7.7	8.0	8.4	9.0	9.7	10.5	11.4	12.5
-82.5°	7.5	7.5	7.5	7.6	7.9	8.2	8.6	9.2	9.8	10.5	11.3
-85°	7.5	7.5	7.5	7.6	7.8	8.0	8.3	8.8	9.3	9.8	10.3
-87.5°	7.5	7.5	7.5	7.5	7.6	7.7	7.9	8.3	8.8	9.2	9.6
-90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.1	6.8	6.4	6.0





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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°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
87.5°	6.0	6.0	6.0	6.0	5.6	5.3	4.9	4.5	4.5	4.5	4.5
85°	6.0	6.0	6.0	6.0	5.6	5.3	4.9	4.5	4.5	4.5	4.5
82.5°	6.4	6.4	6.2	6.0	5.7	5.3	4.9	4.7	4.7	4.7	4.7
80°	7.0	6.8	6.4	6.1	5.8	5.7	5.7	5.7	5.6	5.3	4.9
77.5°	7.2	6.8	6.5	6.1	6.0	6.2	6.2	6.1	5.7	5.4	5.0
75°	7.2	6.9	6.7	6.7	6.8	6.7	6.5	6.1	5.9	5.7	5.7
72.5°	7.3	7.2	7.2	7.5	7.3	6.9	6.6	6.2	6.5	7.3	7.9
70°	7.4	7.5	7.5	7.5	7.4	7.1	7.5	8.5	9.7	11.3	13.9
67.5°	7.5	7.5	7.5	7.5	7.5	8.0	9.1	14.6	21.1	24.0	25.1
65°	7.5	7.5	7.5	7.5	7.5	11.6	17.7	25.4	33.3	34.8	33.9
62.5°	7.5	7.5	7.5	8.6	12.1	17.7	24.9	33.0	42.4	42.7	37.3
60°	7.6	7.5	9.0	12.4	16.5	22.0	30.1	36.7	43.7	46.7	35.8
57.5°	7.7	8.7	11.7	15.7	20.1	24.4	29.1	35.6	38.9	39.3	29.0
55°	8.3	10.6	14.3	18.8	22.3	22.1	25.6	28.5	29.6	28.0	20.0
52.5°	9.9	12.5	16.8	21.0	22.4	20.7	20.0	21.8	21.1	18.1	14.8
50°	11.2	14.7	19.1	22.6	22.4	19.1	16.2	17.1	16.3	14.2	12.0
47.5°	12.7	16.6	21.9	24.2	21.4	19.2	16.5	15.7	14.9	15.2	13.5
45°	14.1	18.5	24.3	23.8	22.0	21.1	19.1	16.4	19.1	19.5	19.0
42.5°	15.3	20.1	24.2	23.8	24.9	24.4	22.6	23.9	25.2	26.5	27.1
40°	16.4	21.4	24.6	28.1	28.7	28.5	31.0	33.2	33.3	35.5	37.2
37.5°	17.1	22.6	27.6	35.9	33.1	35.9	40.7	45.0	47.4	45.5	51.0
35°	17.6	24.5	37.4	46.1	43.6	45.9	53.5	62.0	70.3	65.5	74.9
32.5°	18.9	27.3	49.9	57.6	66.1	66.6	67.9	91.4	109.4	117.4	121.9
30°	22.3	38.7	63.8	71.1	97.7	103.2	102.4	131.4	164.5	243.3	303.7
27.5°	26.9	52.7	76.6	98.9	136.7	146.4	160.3	193.8	295.3	445.2	614.8
25°	31.5	70.8	90.7	136.5	178.6	198.6	222.6	273.1	478.3	814.3	937.2
22.5°	41.1	91.1	113.4	179.4	224.9	252.3	295.8	419.2	702.7	1218.8	1251.9
20°	56.8	110.0	146.6	220.0	275.4	305.5	368.9	570.7	952.1	1328.1	1474.4
17.5°	73.2	130.9	183.0	260.9	330.2	372.9	451.0	714.8	1146.3	1469.6	1642.0
15°	90.1	153.4	216.5	306.1	390.0	457.4	613.0	909.5	1281.1	1636.7	1884.8
12.5°	107.1	177.0	247.3	354.4	454.1	541.8	809.1	1231.3	1575.3	1861.3	2189.0
10°	123.7	201.0	275.5	404.2	521.0	625.3	1024.9	1577.9	1916.9	2169.2	2456.3
7.5°	164.0	237.9	306.7	454.1	588.9	707.0	1250.2	1936.8	2227.3	2432.9	2649.1
5°	209.4	287.3	366.8	528.2	662.9	785.1	1469.5	2293.5	2512.3	2661.5	2795.9
2.5°	254.3	334.8	425.6	602.1	736.7	857.0	1654.6	2525.8	2713.3	2855.1	2962.4
0°	296.5	380.4	482.2	670.9	805.7	924.0	1813.5	2722.4	2891.7	3033.9	3162.7
-2.5°	320.1	417.2	524.6	697.1	813.5	928.2	1689.7	2655.4	2908.0	3097.7	3290.0
-5°	338.6	451.1	563.9	719.2	819.0	928.5	1544.8	2539.7	2927.4	3163.3	3398.2
-7.5°	351.7	481.4	599.8	737.3	825.7	932.2	1537.0	2580.7	3044.3	3258.1	3488.5
-10°	357.5	492.7	607.1	741.0	833.8	936.2	1517.8	2561.8	3156.9	3356.6	3563.5
-12.5°	346.3	487.3	605.0	739.8	840.4	935.9	1440.1	2476.1	3269.3	3464.6	3600.4
-15°	333.4	479.4	597.8	733.5	846.0	931.1	1295.9	2319.5	3289.6	3414.9	3548.7
-17.5°	319.6	469.1	585.0	722.1	851.0	921.8	1068.0	1924.5	2950.5	3251.3	3464.1
-20°	305.7	456.6	566.3	705.3	851.6	890.9	965.4	1544.6	2409.2	3016.0	3296.3



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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°	292.3	442.0	545.1	682.5	795.2	844.4	898.8	1192.2	1844.2	2713.2	3000.0
-25°	286.2	419.7	525.5	635.0	737.5	795.8	827.1	907.3	1379.8	2141.7	2671.3
-27.5°	284.0	400.4	496.2	589.2	687.7	743.1	767.5	826.7	1082.9	1590.8	2306.2
-30°	278.3	371.1	465.4	547.7	638.2	691.9	711.8	764.0	851.6	1219.7	1738.5
-32.5°	261.5	340.6	431.3	512.1	590.8	652.7	679.4	726.8	789.9	902.2	1274.6
-35°	240.7	314.7	395.8	475.3	547.7	615.1	662.1	696.4	739.3	796.0	978.8
-37.5°	222.3	287.6	360.1	437.0	506.6	576.0	642.6	673.9	707.6	750.9	827.5
-40°	202.1	259.3	327.9	397.9	466.1	533.7	598.4	654.8	681.4	726.2	778.8
-42.5°	180.4	235.2	295.9	358.9	424.0	487.8	551.8	611.8	669.5	704.8	746.9
-45°	158.5	209.4	263.7	322.7	380.8	440.6	500.4	562.2	633.5	695.3	726.0
-47.5°	135.3	182.4	233.6	285.7	339.4	393.4	447.9	514.4	585.7	652.6	717.3
-50°	112.1	155.5	202.5	251.5	299.4	347.9	397.5	466.9	535.8	600.9	662.8
-52.5°	91.3	127.2	171.7	218.2	262.0	305.1	356.1	419.4	485.2	549.6	608.4
-55°	69.7	102.3	139.4	183.0	226.9	266.0	315.3	373.1	432.6	494.4	552.2
-57.5°	53.6	77.6	109.5	145.4	187.3	230.7	278.4	326.5	380.7	436.8	487.9
-60°	40.7	57.3	80.9	111.2	144.0	187.1	238.7	286.4	331.9	376.6	424.5
-62.5°	29.2	42.4	58.0	78.3	106.6	140.0	183.6	232.7	285.4	324.2	362.0
-65°	26.3	30.2	41.0	55.4	70.4	97.9	130.8	167.6	212.0	251.4	291.7
-67.5°	23.3	26.9	30.5	36.1	49.3	64.0	79.5	108.8	141.1	168.4	196.9
-70°	21.2	23.7	26.9	30.1	33.5	40.0	53.1	66.7	80.0	95.3	118.3
-72.5°	19.2	21.2	23.5	26.2	29.2	32.5	36.1	40.0	47.8	57.7	67.2
-75°	17.0	18.5	20.3	22.4	24.7	27.3	30.1	33.2	35.9	38.4	40.9
-77.5°	14.9	16.0	17.2	18.5	20.0	21.9	24.0	26.2	28.3	30.2	32.0
-80°	13.0	13.5	14.3	15.2	16.4	17.6	18.7	19.9	20.9	22.3	23.8
-82.5°	11.4	11.6	11.9	12.2	13.0	13.9	14.7	15.7	16.3	17.0	17.7
-85°	10.1	9.8	9.7	9.7	10.3	11.0	11.7	12.3	12.6	12.9	13.1
-87.5°	9.5	9.4	9.2	9.0	9.2	9.5	9.8	10.1	10.1	10.1	10.2
-90°	6.0	6.0	6.0	6.0	5.6	5.3	4.9	4.5	4.5	4.5	4.5



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	9.0	9.4	9.8	10.1	10.5	11.2	12.0	12.7	13.5	19.1	24.7
87.5°	4.5	4.1	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.5	1.5
85°	4.5	4.1	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.5	1.5
82.5°	4.5	4.2	3.8	3.4	3.0	2.7	2.3	1.9	1.5	1.5	1.5
80°	4.6	4.2	3.8	3.4	3.1	2.9	2.8	2.8	2.8	2.5	2.2
77.5°	4.7	4.5	4.3	4.1	3.9	3.7	3.6	3.3	3.0	2.7	2.3
75°	5.9	5.9	5.7	5.3	4.7	4.2	3.8	3.5	3.1	3.0	2.9
72.5°	8.2	8.1	7.6	7.4	6.6	6.2	6.1	5.8	5.4	5.5	5.7
70°	15.4	15.7	15.0	13.5	11.5	10.2	9.5	8.6	7.5	7.4	7.9
67.5°	24.2	22.2	20.5	18.5	15.7	13.4	12.3	11.2	10.1	9.9	10.2
65°	30.5	24.1	20.7	18.2	16.3	14.5	13.1	11.6	10.2	9.4	9.2
62.5°	30.5	21.9	17.6	15.6	14.2	13.1	11.1	9.4	7.9	6.9	7.0
60°	26.2	18.0	13.3	11.5	10.1	9.0	8.1	7.2	6.5	6.0	6.1
57.5°	20.0	13.0	9.0	8.8	8.4	7.8	7.4	7.1	6.6	6.0	6.4
55°	13.9	10.8	9.1	9.2	9.4	9.2	8.7	8.0	7.4	7.0	7.2
52.5°	11.1	10.8	11.3	11.5	10.6	9.8	8.9	8.9	9.0	9.3	9.7
50°	11.8	12.3	12.5	11.8	11.3	10.9	10.4	10.9	11.6	12.1	12.6
47.5°	13.7	14.3	14.8	13.3	13.4	14.3	13.8	14.0	16.8	19.0	20.5
45°	18.0	20.2	20.5	20.8	20.6	22.6	23.8	24.9	30.6	32.7	32.6
42.5°	27.7	31.0	33.1	35.2	33.6	39.7	48.3	54.2	52.7	50.6	51.3
40°	41.7	47.8	56.5	61.1	66.3	73.2	75.6	65.5	64.0	72.1	72.9
37.5°	63.4	79.9	98.3	112.4	114.8	111.7	108.1	106.5	108.9	114.2	122.3
35°	104.3	143.2	160.1	168.9	174.4	157.9	151.7	157.7	152.5	167.6	172.8
32.5°	184.9	234.9	249.5	256.2	269.7	253.1	216.4	259.8	243.4	241.0	257.7
30°	293.1	363.0	423.1	427.5	417.8	415.2	436.2	442.0	422.3	422.2	488.0
27.5°	561.4	577.3	683.6	731.7	611.5	620.7	678.0	647.4	718.6	787.4	841.6
25°	889.0	902.2	1088.0	1059.7	932.3	968.5	1002.1	995.4	1077.9	1160.6	1254.6
22.5°	1190.2	1244.1	1396.7	1357.3	1300.6	1316.2	1347.0	1408.0	1519.1	1687.1	2124.8
20°	1430.4	1465.5	1539.6	1573.4	1576.6	1607.3	1705.7	1874.0	2219.7	3353.3	4721.9
17.5°	1661.9	1607.7	1696.9	1755.3	1818.4	1931.1	2159.6	2849.4	4516.0	7952.0	11319.3
15°	1998.3	1964.9	1912.5	1992.3	2167.5	2397.9	2931.7	5453.8	11115.6	17558.5	24257.0
12.5°	2364.7	2320.6	2248.2	2315.6	2581.6	2992.0	5501.5	11892.9	20943.4	32493.9	54993.2
10°	2656.8	2637.1	2592.0	2734.9	3082.0	4318.7	8763.9	18820.5	32278.1	59072.3	91825.7
7.5°	2835.6	2826.5	2865.0	3099.1	3571.9	6307.2	14326.7	28329.8	51978.0	89175.6	144158.9
5°	3031.0	3016.9	3078.9	3362.8	3922.1	7582.0	18671.8	36872.1	72090.0	123554.0	203401.9
2.5°	3240.5	3208.3	3272.1	3595.7	4196.4	7864.8	19647.2	39430.5	84028.8	150054.8	257034.9
0°	3451.7	3385.8	3420.3	3743.7	4401.1	8791.8	21668.7	43118.8	92468.7	165386.8	279167.1
-2.5°	3469.0	3357.2	3391.4	3690.5	4320.0	7569.7	18813.1	39720.3	87884.5	153883.3	255652.6
-5°	3498.1	3352.5	3342.8	3604.9	4204.3	6906.1	15960.9	36327.2	77646.8	135415.6	223603.5
-7.5°	3552.4	3380.2	3297.3	3491.2	4020.7	6003.5	13021.7	30241.3	62815.9	110445.9	174351.7
-10°	3641.4	3456.4	3320.9	3406.0	3789.0	4896.3	8615.8	21980.1	47548.7	83270.2	126587.3
-12.5°	3751.2	3665.7	3462.3	3344.7	3555.0	4155.0	6772.2	16422.0	33407.2	52681.5	84281.5
-15°	3802.1	3834.4	3687.5	3453.4	3467.2	3838.4	4736.3	8991.6	20970.3	34974.7	50563.2
-17.5°	3732.9	3885.7	3715.9	3447.2	3338.4	3558.4	3978.4	5538.4	9690.4	18685.5	27828.2
-20°	3530.7	3580.6	3545.9	3384.7	3270.5	3282.5	3490.4	3895.0	4704.9	7649.6	10885.6



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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°	3156.1	3188.3	3179.2	3298.5	3170.5	3112.9	3158.1	3315.1	3566.5	3948.5	5019.4
-25°	2836.9	2823.4	2897.1	3096.7	3128.3	2989.1	2952.7	2964.2	3107.1	3276.6	3511.4
-27.5°	2532.3	2624.5	2786.7	2989.3	3077.3	2983.8	2866.1	2789.2	2857.9	2911.3	3016.8
-30°	2277.5	2515.6	2685.7	2870.3	3002.7	2987.9	2873.3	2835.6	2803.1	2765.3	2792.0
-32.5°	1871.8	2384.3	2559.7	2710.5	2871.0	2936.0	2935.2	2919.2	2933.9	2903.1	2834.3
-35°	1454.7	2007.1	2462.7	2546.6	2650.3	2803.5	2921.1	2939.7	2957.2	2956.5	2939.9
-37.5°	1043.6	1557.0	2018.9	2358.4	2480.3	2592.6	2811.7	2928.7	2966.9	3027.4	3049.7
-40°	855.9	1009.8	1471.5	1886.8	2166.9	2507.1	2734.7	2946.5	3164.2	3291.6	3363.7
-42.5°	799.5	863.5	931.3	1250.7	1650.1	2023.6	2380.4	2783.6	3093.0	3333.4	3573.0
-45°	758.9	800.1	845.1	907.9	970.7	1287.1	1650.5	2015.5	2358.0	2703.1	3034.4
-47.5°	742.9	758.0	789.3	825.1	867.0	922.3	974.8	1056.0	1338.7	1618.6	1918.8
-50°	717.1	754.8	768.3	781.4	815.2	847.6	872.7	907.0	941.2	962.6	991.0
-52.5°	662.6	711.2	752.9	791.0	812.9	831.7	848.4	876.5	902.9	925.9	941.7
-55°	606.4	656.6	704.5	751.4	795.2	837.3	873.8	894.1	914.5	935.0	943.5
-57.5°	540.3	593.2	644.9	693.7	741.6	788.2	829.8	867.1	902.9	936.1	956.9
-60°	471.0	516.1	568.4	622.6	672.6	718.6	764.4	807.7	847.7	881.7	903.0
-62.5°	403.6	446.6	489.6	538.5	592.6	644.8	686.2	728.2	770.5	807.6	834.4
-65°	330.5	366.4	401.0	437.7	476.5	518.4	562.1	605.1	647.0	682.3	708.7
-67.5°	230.7	265.2	297.1	328.6	357.7	387.1	418.5	450.4	482.2	510.1	533.7
-70°	140.7	161.6	180.2	200.3	224.3	249.0	273.7	296.5	317.2	334.4	348.2
-72.5°	76.1	84.1	93.1	108.0	121.7	136.4	151.6	165.6	178.4	190.2	200.9
-75°	43.4	47.1	53.4	59.2	64.3	70.6	77.4	83.9	90.0	96.2	101.8
-77.5°	33.8	35.7	37.4	39.1	40.6	42.9	45.5	48.2	50.8	55.3	60.1
-80°	25.3	26.4	27.6	28.7	29.9	31.4	32.9	34.3	35.7	37.7	39.6
-82.5°	18.4	19.0	19.5	19.9	20.4	21.4	22.5	23.5	24.5	26.6	28.7
-85°	13.4	13.6	13.8	14.0	14.2	14.7	15.2	15.7	16.2	18.1	20.1
-87.5°	10.2	10.3	10.4	10.5	10.5	10.9	11.3	11.7	12.0	14.0	15.9
-90°	4.5	4.1	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.1	0.8



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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°	30.3	35.9	41.1	46.4	41.1	35.9	30.3	24.7	19.1	13.5	12.7
87.5°	1.5	1.5	0.7	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.9
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
80°	1.9	1.5	1.5	1.5	1.5	1.5	1.9	2.2	2.5	2.8	2.8
77.5°	1.9	1.5	1.5	1.5	1.5	1.5	1.9	2.3	2.7	3.0	3.3
75°	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.9	3.0	3.1	3.5
72.5°	5.8	5.9	6.0	6.0	6.0	5.9	5.8	5.7	5.5	5.4	5.8
70°	8.4	8.9	9.7	10.5	9.7	8.9	8.4	7.9	7.4	7.5	8.6
67.5°	10.3	10.4	9.1	7.5	9.1	10.4	10.3	10.2	9.9	10.1	11.2
65°	9.1	9.1	8.3	7.5	8.3	9.1	9.1	9.2	9.4	10.2	11.6
62.5°	7.2	7.5	7.5	7.5	7.5	7.5	7.2	7.0	6.9	7.9	9.4
60°	6.1	6.1	6.0	6.0	6.0	6.1	6.1	6.1	6.0	6.5	7.2
57.5°	6.8	7.3	7.5	7.5	7.5	7.3	6.8	6.4	6.0	6.6	7.1
55°	7.4	7.5	8.1	9.0	8.1	7.5	7.4	7.2	7.0	7.4	8.0
52.5°	10.0	10.3	10.5	10.5	10.5	10.3	10.0	9.7	9.3	9.0	8.9
50°	13.0	13.3	13.4	13.5	13.4	13.3	13.0	12.6	12.1	11.6	10.9
47.5°	21.5	22.0	22.8	24.0	22.8	22.0	21.5	20.5	19.0	16.8	14.0
45°	34.1	35.0	36.5	38.9	36.5	35.0	34.1	32.6	32.7	30.6	24.9
42.5°	54.0	55.6	57.2	59.9	57.2	55.6	54.0	51.3	50.6	52.7	54.2
40°	74.6	75.6	76.6	79.4	76.6	75.6	74.6	72.9	72.1	64.0	65.5
37.5°	126.0	120.7	115.1	127.3	115.1	120.7	126.0	122.3	114.2	108.9	106.5
35°	171.9	175.1	180.1	188.7	180.1	175.1	171.9	172.8	167.6	152.5	157.7
32.5°	260.8	274.9	281.4	290.5	281.4	274.9	260.8	257.7	241.0	243.4	259.8
30°	518.8	517.9	476.2	483.7	476.2	517.9	518.8	488.0	422.2	422.3	442.0
27.5°	859.0	869.3	864.7	886.5	864.7	869.3	859.0	841.6	787.4	718.6	647.4
25°	1337.1	1381.8	1373.1	1416.6	1373.1	1381.8	1337.1	1254.6	1160.6	1077.9	995.4
22.5°	2662.8	2868.9	2865.7	3140.2	2865.7	2868.9	2662.8	2124.8	1687.1	1519.1	1408.0
20°	7112.0	8519.0	7939.3	8046.0	7939.3	8519.0	7112.0	4721.9	3353.3	2219.7	1874.0
17.5°	16400.7	21168.1	23238.6	25825.8	23238.6	21168.1	16400.7	11319.3	7952.0	4516.0	2849.4
15°	37439.8	50141.6	56495.1	50010.3	56495.1	50141.6	37439.8	24257.0	17558.5	11115.6	5453.8
12.5°	78387.9	100689.7	116105.5	104274.9	116105.5	100689.7	78387.9	54993.2	32493.9	20943.4	11892.9
10°	135421.9	176501.4	210451.5	199262.4	210451.5	176501.4	135421.9	91825.7	59072.3	32278.1	18820.5
7.5°	208188.7	274551.1	315970.8	315664.0	315970.8	274551.1	208188.7	144158.9	89175.6	51978.0	28329.8
5°	299520.1	384426.2	437166.2	443525.9	437166.2	384426.2	299520.1	203401.9	123554.0	72090.0	36872.1
2.5°	367144.6	459199.5	531212.9	557187.1	531212.9	459199.5	367144.6	257034.9	150054.8	84028.8	39430.5
0°	394754.8	489657.6	566636.2	609557.4	566636.2	489657.6	394754.8	279167.1	165386.8	92468.7	43118.8
-2.5°	373060.2	460712.9	524203.8	550795.8	524203.8	460712.9	373060.2	255652.6	153883.3	87884.5	39720.3
-5°	325731.9	408280.7	457258.1	474651.2	457258.1	408280.7	325731.9	223603.5	135415.6	77646.8	36327.2
-7.5°	254903.3	324004.4	366284.3	381555.1	366284.3	324004.4	254903.3	174351.7	110445.9	62815.9	30241.3
-10°	176521.3	227885.6	264592.7	275978.9	264592.7	227885.6	176521.3	126587.3	83270.2	47548.7	21980.1
-12.5°	113742.2	144217.0	164553.6	171960.8	164553.6	144217.0	113742.2	84281.5	52681.5	33407.2	16422.0
-15°	69195.5	86164.0	96013.0	99331.7	96013.0	86164.0	69195.5	50563.2	34974.7	20970.3	8991.6
-17.5°	38126.5	46315.8	49326.4	51444.9	49326.4	46315.8	38126.5	27828.2	18685.5	9690.4	5538.4
-20°	17080.7	20635.9	22380.5	23275.5	22380.5	20635.9	17080.7	10885.6	7649.6	4704.9	3895.0



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6585.9	7624.1	8091.7	8475.8	8091.7	7624.1	6585.9	5019.4	3948.5	3566.5	3315.1
-25°	3715.5	3859.6	3925.2	3968.4	3925.2	3859.6	3715.5	3511.4	3276.6	3107.1	2964.2
-27.5°	3091.9	3175.2	3232.2	3222.6	3232.2	3175.2	3091.9	3016.8	2911.3	2857.9	2789.2
-30°	2794.1	2819.6	2841.2	2824.3	2841.2	2819.6	2794.1	2792.0	2765.3	2803.1	2835.6
-32.5°	2785.8	2759.5	2744.5	2740.4	2744.5	2759.5	2785.8	2834.3	2903.1	2933.9	2919.2
-35°	2921.2	2909.3	2901.7	2906.6	2901.7	2909.3	2921.2	2939.9	2956.5	2957.2	2939.7
-37.5°	3052.4	3034.9	3008.4	2987.5	3008.4	3034.9	3052.4	3049.7	3027.4	2966.9	2928.7
-40°	3377.6	3440.6	3520.3	3564.0	3520.3	3440.6	3377.6	3363.7	3291.6	3164.2	2946.5
-42.5°	3644.1	3690.0	3710.7	3709.3	3710.7	3690.0	3644.1	3573.0	3333.4	3093.0	2783.6
-45°	3285.7	3469.4	3568.7	3588.0	3568.7	3469.4	3285.7	3034.4	2703.1	2358.0	2015.5
-47.5°	2242.4	2540.8	2715.9	2738.9	2715.9	2540.8	2242.4	1918.8	1618.6	1338.7	1056.0
-50°	1029.8	1069.8	1084.5	1073.7	1084.5	1069.8	1029.8	991.0	962.6	941.2	907.0
-52.5°	956.8	972.3	980.2	982.4	980.2	972.3	956.8	941.7	925.9	902.9	876.5
-55°	951.4	959.8	965.5	970.4	965.5	959.8	951.4	943.5	935.0	914.5	894.1
-57.5°	976.3	994.3	1002.8	1006.3	1002.8	994.3	976.3	956.9	936.1	902.9	867.1
-60°	922.4	940.0	946.4	947.9	946.4	940.0	922.4	903.0	881.7	847.7	807.7
-62.5°	859.6	882.9	891.6	894.0	891.6	882.9	859.6	834.4	807.6	770.5	728.2
-65°	731.8	751.5	752.8	747.2	752.8	751.5	731.8	708.7	682.3	647.0	605.1
-67.5°	555.0	573.5	574.4	569.0	574.4	573.5	555.0	533.7	510.1	482.2	450.4
-70°	359.3	367.8	369.6	368.4	369.6	367.8	359.3	348.2	334.4	317.2	296.5
-72.5°	210.2	218.2	216.6	212.6	216.6	218.2	210.2	200.9	190.2	178.4	165.6
-75°	106.7	111.1	112.8	113.8	112.8	111.1	106.7	101.8	96.2	90.0	83.9
-77.5°	64.9	69.7	71.0	71.9	71.0	69.7	64.9	60.1	55.3	50.8	48.2
-80°	41.5	43.2	43.4	43.4	43.4	43.2	41.5	39.6	37.7	35.7	34.3
-82.5°	30.8	32.8	33.6	34.4	33.6	32.8	30.8	28.7	26.6	24.5	23.5
-85°	22.0	24.0	24.7	25.5	24.7	24.0	22.0	20.1	18.1	16.2	15.7
-87.5°	17.7	19.6	20.3	21.0	20.3	19.6	17.7	15.9	14.0	12.0	11.7
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.1	1.5	1.9



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	12.0	11.2	10.5	10.1	9.8	9.4	9.0	9.0	9.0	9.0	9.0
87.5°	2.3	2.6	3.0	3.4	3.8	4.1	4.5	4.5	4.5	4.5	4.5
85°	2.3	2.6	3.0	3.4	3.8	4.1	4.5	4.5	4.5	4.5	4.5
82.5°	2.3	2.7	3.0	3.4	3.8	4.2	4.5	4.7	4.7	4.7	4.7
80°	2.8	2.9	3.1	3.4	3.8	4.2	4.6	4.9	5.3	5.6	5.7
77.5°	3.6	3.7	3.9	4.1	4.3	4.5	4.7	5.0	5.4	5.7	6.1
75°	3.8	4.2	4.7	5.3	5.7	5.9	5.9	5.7	5.7	5.9	6.1
72.5°	6.1	6.2	6.6	7.4	7.6	8.1	8.2	7.9	7.3	6.5	6.2
70°	9.5	10.2	11.5	13.5	15.0	15.7	15.4	13.9	11.3	9.7	8.5
67.5°	12.3	13.4	15.7	18.5	20.5	22.2	24.2	25.1	24.0	21.1	14.6
65°	13.1	14.5	16.3	18.2	20.7	24.1	30.5	33.9	34.8	33.3	25.4
62.5°	11.1	13.1	14.2	15.6	17.6	21.9	30.5	37.3	42.7	42.4	33.0
60°	8.1	9.0	10.1	11.5	13.3	18.0	26.2	35.8	46.7	43.7	36.7
57.5°	7.4	7.8	8.4	8.8	9.0	13.0	20.0	29.0	39.3	38.9	35.6
55°	8.7	9.2	9.4	9.2	9.1	10.8	13.9	20.0	28.0	29.6	28.5
52.5°	8.9	9.8	10.6	11.5	11.3	10.8	11.1	14.8	18.1	21.1	21.8
50°	10.4	10.9	11.3	11.8	12.5	12.3	11.8	12.0	14.2	16.3	17.1
47.5°	13.8	14.3	13.4	13.3	14.8	14.3	13.7	13.5	15.2	14.9	15.7
45°	23.8	22.6	20.6	20.8	20.5	20.2	18.0	19.0	19.5	19.1	16.4
42.5°	48.3	39.7	33.6	35.2	33.1	31.0	27.7	27.1	26.5	25.2	23.9
40°	75.6	73.2	66.3	61.1	56.5	47.8	41.7	37.2	35.5	33.3	33.2
37.5°	108.1	111.7	114.8	112.4	98.3	79.9	63.4	51.0	45.5	47.4	45.0
35°	151.7	157.9	174.4	168.9	160.1	143.2	104.3	74.9	65.5	70.3	62.0
32.5°	216.4	253.1	269.7	256.2	249.5	234.9	184.9	121.9	117.4	109.4	91.4
30°	436.2	415.2	417.8	427.5	423.1	363.0	293.1	303.7	243.3	164.5	131.4
27.5°	678.0	620.7	611.5	731.7	683.6	577.3	561.4	614.8	445.2	295.3	193.8
25°	1002.1	968.5	932.3	1059.7	1088.0	902.2	889.0	937.2	814.3	478.3	273.1
22.5°	1347.0	1316.2	1300.6	1357.3	1396.7	1244.1	1190.2	1251.9	1218.8	702.7	419.2
20°	1705.7	1607.3	1576.6	1573.4	1539.6	1465.5	1430.4	1474.4	1328.1	952.1	570.7
17.5°	2159.6	1931.1	1818.4	1755.3	1696.9	1607.7	1661.9	1642.0	1469.6	1146.3	714.8
15°	2931.7	2397.9	2167.5	1992.3	1912.5	1964.9	1998.3	1884.8	1636.7	1281.1	909.5
12.5°	5501.5	2992.0	2581.6	2315.6	2248.2	2320.6	2364.7	2189.0	1861.3	1575.3	1231.3
10°	8763.9	4318.7	3082.0	2734.9	2592.0	2637.1	2656.8	2456.3	2169.2	1916.9	1577.9
7.5°	14326.7	6307.2	3571.9	3099.1	2865.0	2826.5	2835.6	2649.1	2432.9	2227.3	1936.8
5°	18671.8	7582.0	3922.1	3362.8	3078.9	3016.9	3031.0	2795.9	2661.5	2512.3	2293.5
2.5°	19647.2	7864.8	4196.4	3595.7	3272.1	3208.3	3240.5	2962.4	2855.1	2713.3	2525.8
0°	21668.7	8791.8	4401.1	3743.7	3420.3	3385.8	3451.7	3162.7	3033.9	2891.7	2722.4
-2.5°	18813.1	7569.7	4320.0	3690.5	3391.4	3357.2	3469.0	3290.0	3097.7	2908.0	2655.4
-5°	15960.9	6906.1	4204.3	3604.9	3342.8	3352.5	3498.1	3398.2	3163.3	2927.4	2539.7
-7.5°	13021.7	6003.5	4020.7	3491.2	3297.3	3380.2	3552.4	3488.5	3258.1	3044.3	2580.7
-10°	8615.8	4896.3	3789.0	3406.0	3320.9	3456.4	3641.4	3563.5	3356.6	3156.9	2561.8
-12.5°	6772.2	4155.0	3555.0	3344.7	3462.3	3665.7	3751.2	3600.4	3464.6	3269.3	2476.1
-15°	4736.3	3838.4	3467.2	3453.4	3687.5	3834.4	3802.1	3548.7	3414.9	3289.6	2319.5
-17.5°	3978.4	3558.4	3338.4	3447.2	3715.9	3885.7	3732.9	3464.1	3251.3	2950.5	1924.5
-20°	3490.4	3282.5	3270.5	3384.7	3545.9	3580.6	3530.7	3296.3	3016.0	2409.2	1544.6





REPORT NUMBER: P701724 (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°	3158.1	3112.9	3170.5	3298.5	3179.2	3188.3	3156.1	3000.0	2713.2	1844.2	1192.2
-25°	2952.7	2989.1	3128.3	3096.7	2897.1	2823.4	2836.9	2671.3	2141.7	1379.8	907.3
-27.5°	2866.1	2983.8	3077.3	2989.3	2786.7	2624.5	2532.3	2306.2	1590.8	1082.9	826.7
-30°	2873.3	2987.9	3002.7	2870.3	2685.7	2515.6	2277.5	1738.5	1219.7	851.6	764.0
-32.5°	2935.2	2936.0	2871.0	2710.5	2559.7	2384.3	1871.8	1274.6	902.2	789.9	726.8
-35°	2921.1	2803.5	2650.3	2546.6	2462.7	2007.1	1454.7	978.8	796.0	739.3	696.4
-37.5°	2811.7	2592.6	2480.3	2358.4	2018.9	1557.0	1043.6	827.5	750.9	707.6	673.9
-40°	2734.7	2507.1	2166.9	1886.8	1471.5	1009.8	855.9	778.8	726.2	681.4	654.8
-42.5°	2380.4	2023.6	1650.1	1250.7	931.3	863.5	799.5	746.9	704.8	669.5	611.8
-45°	1650.5	1287.1	970.7	907.9	845.1	800.1	758.9	726.0	695.3	633.5	562.2
-47.5°	974.8	922.3	867.0	825.1	789.3	758.0	742.9	717.3	652.6	585.7	514.4
-50°	872.7	847.6	815.2	781.4	768.3	754.8	717.1	662.8	600.9	535.8	466.9
-52.5°	848.4	831.7	812.9	791.0	752.9	711.2	662.6	608.4	549.6	485.2	419.4
-55°	873.8	837.3	795.2	751.4	704.5	656.6	606.4	552.2	494.4	432.6	373.1
-57.5°	829.8	788.2	741.6	693.7	644.9	593.2	540.3	487.9	436.8	380.7	326.5
-60°	764.4	718.6	672.6	622.6	568.4	516.1	471.0	424.5	376.6	331.9	286.4
-62.5°	686.2	644.8	592.6	538.5	489.6	446.6	403.6	362.0	324.2	285.4	232.7
-65°	562.1	518.4	476.5	437.7	401.0	366.4	330.5	291.7	251.4	212.0	167.6
-67.5°	418.5	387.1	357.7	328.6	297.1	265.2	230.7	196.9	168.4	141.1	108.8
-70°	273.7	249.0	224.3	200.3	180.2	161.6	140.7	118.3	95.3	80.0	66.7
-72.5°	151.6	136.4	121.7	108.0	93.1	84.1	76.1	67.2	57.7	47.8	40.0
-75°	77.4	70.6	64.3	59.2	53.4	47.1	43.4	40.9	38.4	35.9	33.2
-77.5°	45.5	42.9	40.6	39.1	37.4	35.7	33.8	32.0	30.2	28.3	26.2
-80°	32.9	31.4	29.9	28.7	27.6	26.4	25.3	23.8	22.3	20.9	19.9
-82.5°	22.5	21.4	20.4	19.9	19.5	19.0	18.4	17.7	17.0	16.3	15.7
-85°	15.2	14.7	14.2	14.0	13.8	13.6	13.4	13.1	12.9	12.6	12.3
-87.5°	11.3	10.9	10.5	10.5	10.4	10.3	10.2	10.2	10.1	10.1	10.1
-90°	2.3	2.6	3.0	3.4	3.8	4.1	4.5	4.5	4.5	4.5	4.5





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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.6	8.3	7.9
87.5°	4.9	5.3	5.6	6.0	6.0	6.0	6.0	6.0	6.4	6.8	7.1
85°	4.9	5.3	5.6	6.0	6.0	6.0	6.0	6.0	6.4	6.8	7.1
82.5°	4.9	5.3	5.7	6.0	6.2	6.4	6.4	6.4	6.6	6.8	7.1
80°	5.7	5.7	5.8	6.1	6.4	6.8	7.0	7.0	7.0	7.0	7.2
77.5°	6.2	6.2	6.0	6.1	6.5	6.8	7.2	7.5	7.4	7.3	7.3
75°	6.5	6.7	6.8	6.7	6.7	6.9	7.2	7.5	7.5	7.5	7.4
72.5°	6.6	6.9	7.3	7.5	7.2	7.2	7.3	7.5	7.5	7.5	7.5
70°	7.5	7.1	7.4	7.5	7.5	7.5	7.4	7.6	7.5	7.5	7.5
67.5°	9.1	8.0	7.5	7.5	7.5	7.5	7.5	7.7	7.7	7.5	7.5
65°	17.7	11.6	7.5	7.5	7.5	7.5	7.5	7.8	8.0	7.8	7.5
62.5°	24.9	17.7	12.1	8.6	7.5	7.5	7.5	7.9	8.2	8.2	7.8
60°	30.1	22.0	16.5	12.4	9.0	7.5	7.6	8.0	8.3	8.6	8.2
57.5°	29.1	24.4	20.1	15.7	11.7	8.7	7.7	8.0	8.4	8.7	8.6
55°	25.6	22.1	22.3	18.8	14.3	10.6	8.3	8.1	8.4	8.8	9.0
52.5°	20.0	20.7	22.4	21.0	16.8	12.5	9.9	8.2	8.5	8.8	9.0
50°	16.2	19.1	22.4	22.6	19.1	14.7	11.2	9.2	8.6	8.9	9.0
47.5°	16.5	19.2	21.4	24.2	21.9	16.6	12.7	10.1	8.7	9.0	9.0
45°	19.1	21.1	22.0	23.8	24.3	18.5	14.1	10.9	9.3	9.1	9.0
42.5°	22.6	24.4	24.9	23.8	24.2	20.1	15.3	11.9	9.8	9.1	9.1
40°	31.0	28.5	28.7	28.1	24.6	21.4	16.4	12.7	10.2	9.4	9.2
37.5°	40.7	35.9	33.1	35.9	27.6	22.6	17.1	13.3	10.9	9.8	9.3
35°	53.5	45.9	43.6	46.1	37.4	24.5	17.6	13.8	12.0	10.2	9.5
32.5°	67.9	66.6	66.1	57.6	49.9	27.3	18.9	15.5	13.2	10.6	9.7
30°	102.4	103.2	97.7	71.1	63.8	38.7	22.3	17.5	14.7	11.0	10.0
27.5°	160.3	146.4	136.7	98.9	76.6	52.7	26.9	19.8	16.3	11.7	10.3
25°	222.6	198.6	178.6	136.5	90.7	70.8	31.5	22.3	18.1	12.9	10.6
22.5°	295.8	252.3	224.9	179.4	113.4	91.1	41.1	26.2	20.1	14.2	10.9
20°	368.9	305.5	275.4	220.0	146.6	110.0	56.8	30.0	22.2	15.5	11.2
17.5°	451.0	372.9	330.2	260.9	183.0	130.9	73.2	33.6	24.4	16.9	11.4
15°	613.0	457.4	390.0	306.1	216.5	153.4	90.1	37.0	26.6	18.2	11.8
12.5°	809.1	541.8	454.1	354.4	247.3	177.0	107.1	40.3	28.9	19.6	12.3
10°	1024.9	625.3	521.0	404.2	275.5	201.0	123.7	45.0	31.6	21.1	12.9
7.5°	1250.2	707.0	588.9	454.1	306.7	237.9	164.0	53.5	34.4	22.4	13.4
5°	1469.5	785.1	662.9	528.2	366.8	287.3	209.4	62.3	37.1	23.5	14.0
2.5°	1654.6	857.0	736.7	602.1	425.6	334.8	254.3	71.0	39.6	24.6	14.5
0°	1813.5	924.0	805.7	670.9	482.2	380.4	296.5	79.4	41.9	25.5	15.0
-2.5°	1689.7	928.2	813.5	697.1	524.6	417.2	320.1	100.6	54.4	32.2	18.0
-5°	1544.8	928.5	819.0	719.2	563.9	451.1	338.6	120.5	66.3	38.5	20.9
-7.5°	1537.0	932.2	825.7	737.3	599.8	481.4	351.7	138.6	77.4	44.4	23.6
-10°	1517.8	936.2	833.8	741.0	607.1	492.7	357.5	154.5	87.2	49.6	25.9
-12.5°	1440.1	935.9	840.4	739.8	605.0	487.3	346.3	167.0	95.9	53.9	27.8
-15°	1295.9	931.1	846.0	733.5	597.8	479.4	333.4	176.7	105.0	58.7	29.3
-17.5°	1068.0	921.8	851.0	722.1	585.0	469.1	319.6	184.1	112.6	64.1	31.5
-20°	965.4	890.9	851.6	705.3	566.3	456.6	305.7	189.0	118.4	68.2	34.0



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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°	898.8	844.4	795.2	682.5	545.1	442.0	292.3	191.2	122.5	70.9	35.6
-25°	827.1	795.8	737.5	635.0	525.5	419.7	286.2	190.6	124.6	71.9	36.2
-27.5°	767.5	743.1	687.7	589.2	496.2	400.4	284.0	192.2	125.2	71.3	35.7
-30°	711.8	691.9	638.2	547.7	465.4	371.1	278.3	191.5	124.3	70.3	34.0
-32.5°	679.4	652.7	590.8	512.1	431.3	340.6	261.5	188.1	121.1	68.3	33.2
-35°	662.1	615.1	547.7	475.3	395.8	314.7	240.7	181.9	115.4	64.7	32.1
-37.5°	642.6	576.0	506.6	437.0	360.1	287.6	222.3	165.8	107.3	59.3	30.3
-40°	598.4	533.7	466.1	397.9	327.9	259.3	202.1	148.5	98.9	52.1	27.7
-42.5°	551.8	487.8	424.0	358.9	295.9	235.2	180.4	129.9	86.0	46.7	24.3
-45°	500.4	440.6	380.8	322.7	263.7	209.4	158.5	110.7	71.6	41.8	21.7
-47.5°	447.9	393.4	339.4	285.7	233.6	182.4	135.3	93.8	56.7	35.8	20.9
-50°	397.5	347.9	299.4	251.5	202.5	155.5	112.1	76.0	48.0	28.2	20.0
-52.5°	356.1	305.1	262.0	218.2	171.7	127.2	91.3	58.2	38.9	24.5	18.8
-55°	315.3	266.0	226.9	183.0	139.4	102.3	69.7	47.5	29.4	22.7	17.5
-57.5°	278.4	230.7	187.3	145.4	109.5	77.6	53.6	36.3	25.5	20.7	16.7
-60°	238.7	187.1	144.0	111.2	80.9	57.3	40.7	27.7	23.2	18.8	15.7
-62.5°	183.6	140.0	106.6	78.3	58.0	42.4	29.2	25.1	20.9	17.7	14.6
-65°	130.8	97.9	70.4	55.4	41.0	30.2	26.3	22.4	19.3	16.4	13.7
-67.5°	79.5	64.0	49.3	36.1	30.5	26.9	23.3	20.5	17.8	15.2	12.9
-70°	53.1	40.0	33.5	30.1	26.9	23.7	21.2	18.9	16.4	14.1	12.1
-72.5°	36.1	32.5	29.2	26.2	23.5	21.2	19.2	17.2	15.0	13.1	11.3
-75°	30.1	27.3	24.7	22.4	20.3	18.5	17.0	15.5	13.6	11.9	10.7
-77.5°	24.0	21.9	20.0	18.5	17.2	16.0	14.9	13.8	12.4	11.2	10.2
-80°	18.7	17.6	16.4	15.2	14.3	13.5	13.0	12.5	11.4	10.5	9.7
-82.5°	14.7	13.9	13.0	12.2	11.9	11.6	11.4	11.3	10.5	9.8	9.2
-85°	11.7	11.0	10.3	9.7	9.7	9.8	10.1	10.3	9.8	9.3	8.8
-87.5°	9.8	9.5	9.2	9.0	9.2	9.4	9.5	9.6	9.2	8.8	8.3
-90°	4.9	5.3	5.6	6.0	6.0	6.0	6.0	6.0	6.4	6.8	7.1



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
87.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
85°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
82.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
80°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
77.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
75°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
72.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
70°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
67.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
65°	7.6	7.6	7.5	7.5	7.5	7.5	7.5
62.5°	7.7	7.7	7.5	7.5	7.5	7.5	7.5
60°	7.8	7.8	7.5	7.5	7.5	7.5	7.5
57.5°	8.1	7.9	7.6	7.5	7.5	7.5	7.5
55°	8.4	8.1	7.8	7.5	7.5	7.5	7.5
52.5°	8.6	8.3	8.0	7.5	7.5	7.5	7.5
50°	8.8	8.4	8.1	7.5	7.5	7.5	7.5
47.5°	9.0	8.6	8.3	7.5	7.5	7.5	7.5
45°	9.0	8.7	8.5	7.7	7.5	7.5	7.5
42.5°	9.0	8.8	8.7	7.8	7.5	7.5	7.5
40°	9.0	8.9	8.8	7.9	7.5	7.5	7.5
37.5°	9.0	9.0	8.9	8.1	7.5	7.5	7.5
35°	9.0	9.0	8.9	8.2	7.5	7.5	7.5
32.5°	9.0	9.0	9.0	8.3	7.5	7.5	7.5
30°	9.2	9.0	9.0	8.4	7.5	7.5	7.5
27.5°	9.4	9.0	9.0	8.5	7.5	7.5	7.5
25°	9.5	9.0	9.0	8.6	7.5	7.5	7.5
22.5°	9.7	9.0	9.0	8.7	7.5	7.5	7.5
20°	9.9	9.1	9.0	8.7	7.5	7.5	7.5
17.5°	10.2	9.3	9.0	8.8	7.5	7.5	7.5
15°	10.5	9.4	9.0	8.8	7.5	7.5	7.5
12.5°	10.8	9.6	9.0	8.9	7.5	7.5	7.5
10°	11.1	9.8	9.0	8.9	7.5	7.5	7.5
7.5°	11.3	10.0	9.0	9.0	7.5	7.5	7.5
5°	11.6	10.1	9.0	9.0	7.5	7.5	7.5
2.5°	11.8	10.3	9.0	9.0	7.5	7.5	7.5
0°	12.0	10.5	9.0	9.0	7.5	7.5	7.5
-2.5°	12.8	10.7	9.1	9.0	7.6	7.5	7.5
-5°	13.5	10.8	9.3	9.0	7.6	7.5	7.5
-7.5°	14.2	10.9	9.4	9.0	7.7	7.5	7.5
-10°	14.8	11.0	9.5	8.9	7.8	7.5	7.5
-12.5°	15.3	11.1	9.6	8.9	7.8	7.5	7.5
-15°	15.7	11.2	9.7	8.9	7.9	7.5	7.5
-17.5°	15.9	11.3	9.7	8.9	7.9	7.5	7.5
-20°	16.5	11.3	9.8	8.9	8.0	7.5	7.5



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.4	11.4	9.8	8.9	8.0	7.5	7.5
-25°	18.0	11.7	9.8	8.8	8.0	7.5	7.5
-27.5°	18.1	12.0	9.8	8.8	8.0	7.5	7.5
-30°	17.8	12.2	9.7	8.9	8.0	7.5	7.5
-32.5°	16.9	12.4	9.8	8.9	8.1	7.5	7.5
-35°	16.7	12.4	9.8	8.9	8.0	7.5	7.5
-37.5°	16.7	12.4	9.8	8.9	8.0	7.5	7.5
-40°	16.6	12.4	9.8	9.0	8.0	7.5	7.5
-42.5°	16.3	12.3	9.8	9.0	8.0	7.5	7.5
-45°	15.9	12.2	9.8	9.1	7.9	7.5	7.5
-47.5°	15.3	11.9	9.9	9.1	7.9	7.5	7.5
-50°	14.9	11.7	9.9	9.0	7.8	7.5	7.5
-52.5°	14.4	11.3	9.8	8.9	7.8	7.5	7.5
-55°	13.9	11.1	9.8	8.7	7.7	7.5	7.5
-57.5°	13.2	11.0	9.7	8.6	7.6	7.5	7.5
-60°	12.6	10.7	9.5	8.5	7.5	7.5	7.5
-62.5°	12.1	10.5	9.3	8.3	7.5	7.5	7.5
-65°	11.6	10.1	9.1	8.2	7.5	7.5	7.5
-67.5°	11.1	9.8	8.9	8.0	7.5	7.5	7.5
-70°	10.5	9.6	8.7	7.8	7.5	7.5	7.5
-72.5°	10.1	9.3	8.5	7.8	7.5	7.5	7.5
-75°	9.7	9.0	8.2	7.8	7.5	7.5	7.5
-77.5°	9.4	8.7	8.1	7.7	7.5	7.5	7.5
-80°	9.0	8.4	8.0	7.7	7.5	7.5	7.5
-82.5°	8.6	8.2	7.9	7.6	7.5	7.5	7.5
-85°	8.3	8.0	7.8	7.6	7.5	7.5	7.5
-87.5°	7.9	7.7	7.6	7.5	7.5	7.5	7.5
-90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5

(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

