

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: P574521 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-80-2S-CV1**

Issue Date: 10/17/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P574521 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/17/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680R-40-80-2S-CV1  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 2S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

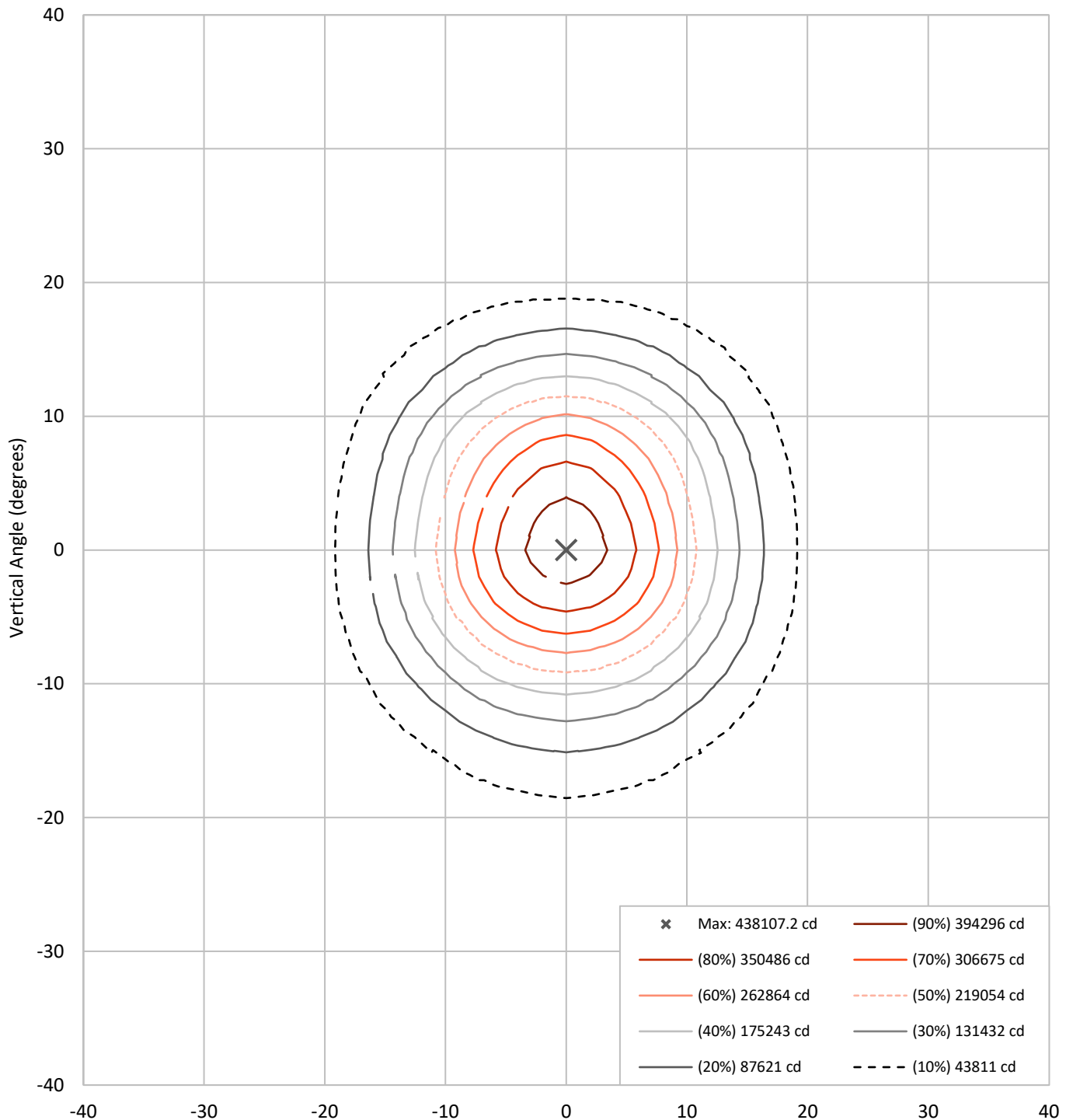
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	70842.3 lumens	Max Intensity:	438107.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	98.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.6°H x 20.7°V	Field Angle (10%):	38.3°H x 37.3°V
Beam Lumens:	32896 lumens	Field Lumens:	59888.5 lumens
Beam Efficiency:	46.4%	Field Efficiency:	84.5%

Input Watts (W): 720  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Iso-Candela Plot





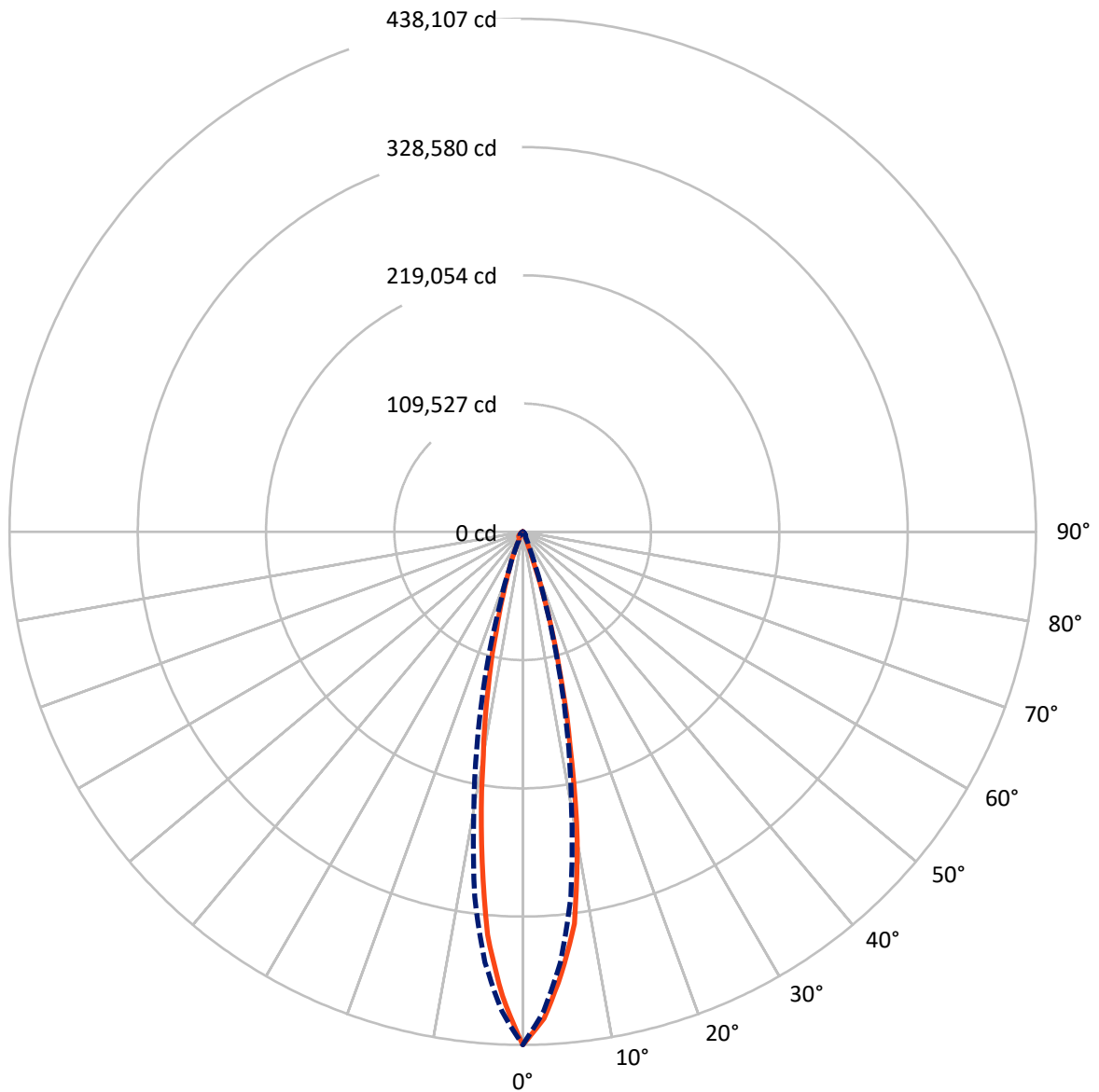
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### Lumen Table

90	0.1		0.3		0.5		0.5		0.4		0.5		0.5		0.3		0.1	
80	0.1		0.3		0.5		0.5		0.4		0.5		0.5		0.3		0.1	
70	0.1	0.1	0.2	0.6	0.7	0.4	0.2	0.2	0.2	0.2	0.2	0.4	0.7	0.6	0.2	0.1	0.1	
60		0.1	0.4	0.6	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6	0.4	0.1			
50	0.2	0.2	0.4	0.4	0.6	0.9	1.6	1.1	1.1	1.6	0.9	0.6	0.4	0.4	0.2	0.2		
40		0.3	0.9	2.5	4.7	6.8	9.4	11.4	11.4	9.4	6.8	4.7	2.5	0.9	0.3			
30	0.2	0.5	4.5	14.3	33.9	51.4	89.0	168.7	168.7	89.0	51.4	33.9	14.3	4.5	0.5	0.2		
20		1.3	9.5	37.9	86.8	162.2	1059.9	3284.4	3284.4	1059.9	162.2	86.8	37.9	9.5	1.3			
10	0.3	2.1	12.3	50.8	103.1	325.1	3115.2	9336.3	9336.3	3115.2	325.1	103.1	50.8	12.3	2.1	0.3		
0		2.6	13.2	51.0	102.8	309.9	2929.9	8491.2	8491.2	2929.9	309.9	102.8	51.0	13.2	2.6			
-10	0.6	3.0	12.6	40.8	86.9	150.7	861.9	2495.7	2495.7	861.9	150.7	86.9	40.8	12.6	3.0	0.6		
-20		3.1	11.9	28.9	77.9	116.3	176.7	341.6	341.6	176.7	116.3	77.9	28.9	11.9	3.1			
-30	0.5	2.7	10.3	21.8	54.3	112.9	146.7	164.0	164.0	146.7	112.9	54.3	21.8	10.3	2.7	0.5		
-40		1.9	7.7	17.9	32.1	54.4	93.1	124.0	124.0	93.1	54.4	32.1	17.9	7.7	1.9			
-50	0.3	1.0	4.6	11.8	22.9	34.7	45.1	51.1	51.1	45.1	34.7	22.9	11.8	4.6	1.0	0.3		
-60		0.4	1.5	4.8	10.1	16.2	22.2	25.7	25.7	22.2	16.2	10.1	4.8	1.5	0.4			
-70	0.2	1.1		3.4		7.9		10.7		7.9		3.4		1.1		0.2		
-80		1.1		3.4		7.9		10.7		7.9		3.4		1.1				
-90	0.2		1.1		3.4		7.9		10.7		7.9		3.4		1.1		0.2	

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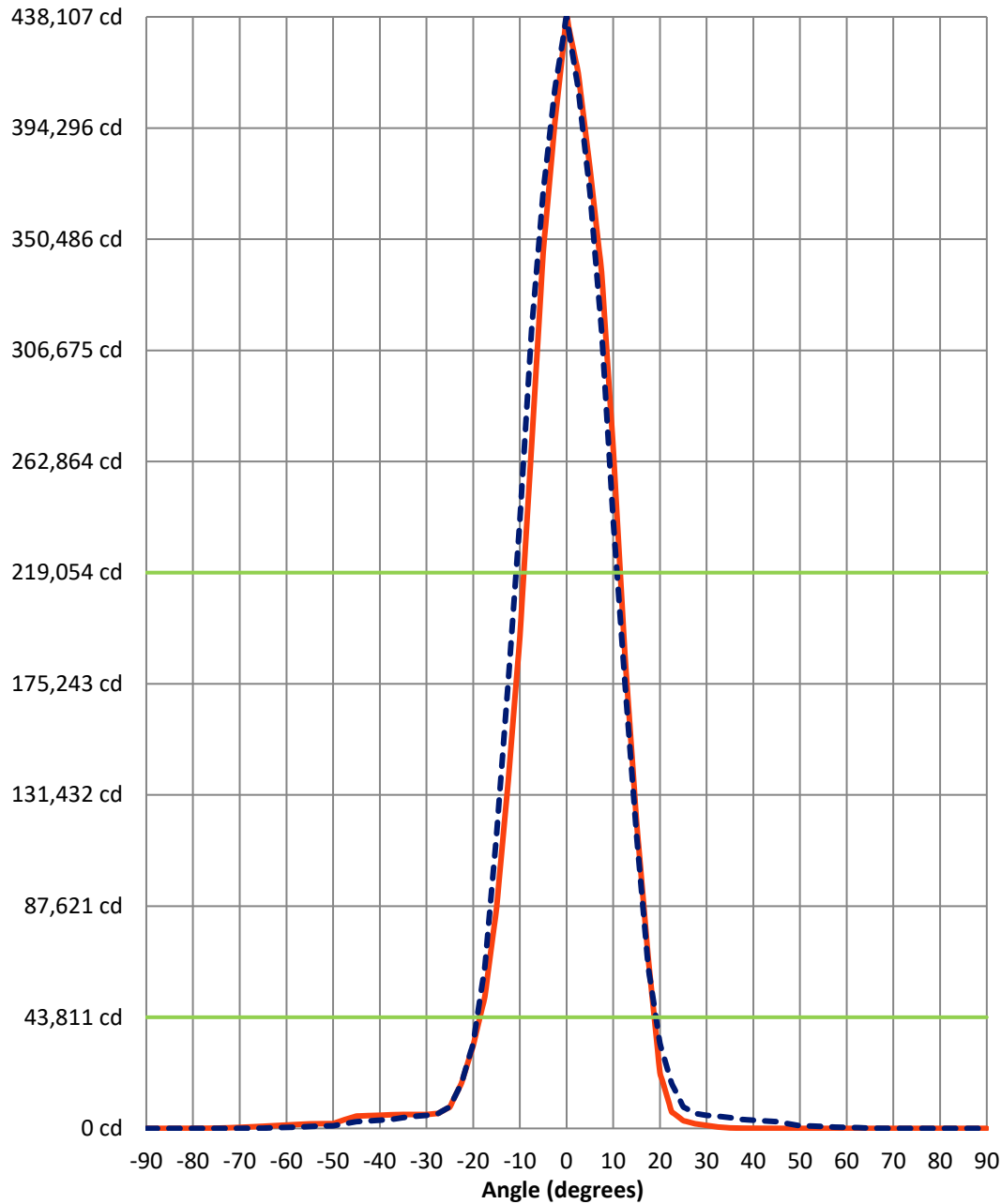
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 21.6°  
 V Angle: 20.7°  
 Lumens: 32896  
 Efficiency: 46.4%

**Field:**  
 H Angle: 38.3°  
 V Angle: 37.3°  
 Lumens: 59888.5  
 Efficiency: 84.5%

**Spill:**  
 Lumens: 10953.8  
 Efficiency: 15.5%

- 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°	5.2	6.1	6.9	7.4	7.8	8.3	8.7	9.1	9.6	10.0	10.4
87.5°	5.2	5.2	5.2	4.8	4.5	4.2	3.9	3.9	3.8	3.7	3.5
85°	5.2	5.3	5.2	4.9	4.6	4.5	4.4	4.3	4.1	3.8	3.5
82.5°	5.2	5.3	5.2	4.9	4.8	4.8	4.8	4.7	4.4	4.1	4.0
80°	5.2	5.3	5.2	5.0	4.9	5.0	5.2	4.9	4.7	4.6	4.7
77.5°	5.2	5.4	5.2	5.1	5.1	5.2	5.2	5.0	5.0	5.1	5.2
75°	5.2	5.4	5.2	5.1	5.2	5.3	5.2	5.1	5.2	5.2	5.2
72.5°	5.2	5.5	5.2	5.2	5.4	5.5	5.3	5.2	5.2	5.2	5.2
70°	5.2	5.5	5.3	5.2	5.5	5.6	5.3	5.2	5.2	5.2	5.3
67.5°	5.2	5.5	5.3	5.4	5.7	5.7	5.4	5.2	5.2	5.5	5.4
65°	5.2	5.6	5.3	5.6	5.9	5.8	5.4	5.2	5.6	5.7	5.6
62.5°	5.2	5.6	5.4	5.7	6.1	5.9	5.5	5.5	6.0	6.0	5.6
60°	5.2	5.7	5.4	5.9	6.3	5.9	5.5	6.0	6.4	6.1	5.7
57.5°	5.2	5.7	5.6	6.1	6.3	5.9	5.9	6.4	6.5	6.2	6.2
55°	5.2	5.8	5.7	6.3	6.4	6.0	6.4	6.9	6.6	6.4	7.0
52.5°	5.2	5.8	5.8	6.5	6.4	6.1	6.8	7.1	6.7	7.0	7.7
50°	5.2	5.9	6.0	6.7	6.4	6.5	7.2	7.2	6.9	7.7	9.4
47.5°	5.2	5.9	6.1	6.8	6.5	6.8	7.6	7.2	7.5	8.3	11.1
45°	5.2	6.0	6.2	6.8	6.5	7.2	7.7	7.3	8.1	9.6	12.5
42.5°	5.2	6.0	6.3	6.9	6.6	7.5	7.8	7.7	8.8	10.7	14.4
40°	5.2	6.1	6.4	6.9	6.8	7.8	7.8	8.3	9.6	11.6	16.3
37.5°	5.2	6.1	6.5	7.0	7.0	8.1	7.9	8.9	10.6	13.0	18.1
35°	5.2	6.2	6.5	7.0	7.3	8.3	8.0	9.6	11.6	15.1	19.6
32.5°	5.2	6.2	6.6	7.1	7.5	8.4	8.3	10.2	12.5	17.2	21.7
30°	5.2	6.3	6.7	7.2	7.7	8.5	8.8	10.9	13.4	19.3	24.0
27.5°	5.2	6.4	6.7	7.3	7.9	8.5	9.3	11.7	14.6	21.5	26.5
25°	5.2	6.4	6.8	7.4	8.1	8.6	9.8	12.4	16.4	23.5	29.1
22.5°	5.2	6.5	6.8	7.5	8.3	8.7	10.3	13.1	18.1	25.6	33.8
20°	5.2	6.5	6.8	7.6	8.4	8.9	10.8	13.7	19.7	27.7	39.2
17.5°	5.2	6.6	6.9	7.7	8.5	9.0	11.3	14.3	21.3	29.8	45.0
15°	5.2	6.6	6.9	7.9	8.6	9.2	11.8	14.9	22.8	31.9	51.1
12.5°	5.2	6.7	6.9	8.0	8.6	9.4	12.3	15.4	24.1	33.9	57.4
10°	5.2	6.7	6.9	8.2	8.7	9.6	12.7	15.9	25.2	36.5	63.9
7.5°	5.2	6.8	6.9	8.3	8.7	9.8	13.0	16.3	26.0	39.2	70.3
5°	5.2	6.8	6.9	8.4	8.7	10.0	13.4	16.7	26.8	41.9	76.4
2.5°	5.2	6.9	6.9	8.6	8.7	10.2	13.7	17.0	27.3	44.5	81.9
0°	5.2	6.9	6.9	8.7	8.7	10.4	13.9	17.3	27.7	46.8	86.7
-2.5°	5.2	6.9	7.0	8.8	9.0	11.0	15.3	21.4	36.1	61.7	108.1
-5°	5.2	7.0	7.1	8.9	9.3	11.5	16.6	25.3	44.2	75.9	128.3
-7.5°	5.2	7.0	7.1	9.0	9.6	12.0	17.8	28.9	51.7	89.1	147.0
-10°	5.2	7.0	7.2	9.1	9.9	12.5	18.9	32.2	58.4	101.0	163.9
-12.5°	5.2	7.1	7.3	9.1	10.2	12.9	19.8	35.0	64.2	111.2	178.2
-15°	5.2	7.1	7.4	9.2	10.4	13.3	20.6	37.2	69.8	119.9	189.9
-17.5°	5.2	7.1	7.4	9.2	10.6	13.7	21.1	39.8	75.5	127.2	198.8
-20°	5.2	7.1	7.5	9.3	10.8	13.9	21.8	42.3	79.7	132.9	204.5



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 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV1

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.2	7.1	7.6	9.3	11.0	14.2	22.6	43.8	82.4	136.9	206.9
-25°	5.2	7.1	7.7	9.3	11.1	14.4	23.0	44.2	83.4	139.3	205.8
-27.5°	5.2	7.1	7.7	9.3	11.2	14.6	22.8	43.5	82.7	140.0	207.4
-30°	5.2	7.1	7.8	9.3	11.3	14.7	22.1	41.4	81.4	139.0	206.9
-32.5°	5.2	7.1	7.9	9.3	11.4	14.6	20.8	40.2	79.1	135.5	204.1
-35°	5.2	7.1	7.9	9.2	11.5	14.5	20.2	38.6	74.9	129.6	199.0
-37.5°	5.2	7.1	8.0	9.2	11.5	14.4	20.1	36.2	68.8	121.0	186.7
-40°	5.2	7.1	8.1	9.1	11.5	14.4	19.7	32.9	60.8	111.8	171.5
-42.5°	5.2	7.1	8.1	9.1	11.5	14.4	19.2	28.7	54.5	99.1	153.8
-45°	5.2	7.0	8.2	9.1	11.5	14.4	18.5	25.5	48.6	84.5	134.3
-47.5°	5.2	7.0	8.2	9.0	11.4	14.3	17.7	24.4	41.5	68.4	115.9
-50°	5.2	7.0	8.3	9.1	11.3	14.1	17.4	23.2	32.9	58.6	95.6
-52.5°	5.2	6.9	8.3	9.1	11.2	13.9	17.1	21.8	28.9	47.8	74.6
-55°	5.2	6.9	8.4	9.2	11.0	13.7	16.8	20.3	26.8	36.2	61.2
-57.5°	5.2	6.9	8.4	9.2	10.8	13.4	16.4	19.7	24.4	31.3	46.9
-60°	5.2	6.8	8.5	9.2	10.6	13.1	15.9	19.1	22.3	28.3	35.4
-62.5°	5.2	6.8	8.4	9.2	10.5	12.7	15.4	18.3	21.3	25.1	31.6
-65°	5.2	6.7	8.3	9.2	10.4	12.3	14.8	17.5	20.3	23.4	27.6
-67.5°	5.2	6.7	8.1	9.1	10.2	11.9	14.2	16.7	19.2	22.1	25.2
-70°	5.2	6.6	8.0	9.1	10.0	11.5	13.6	15.7	18.1	20.7	23.5
-72.5°	5.2	6.5	7.9	8.9	9.8	11.1	12.9	14.8	16.8	19.1	21.7
-75°	5.2	6.5	7.8	8.7	9.5	10.6	12.1	13.8	15.5	17.5	19.7
-77.5°	5.2	6.4	7.6	8.5	9.3	10.1	11.3	12.9	14.4	15.9	17.6
-80°	5.2	6.3	7.5	8.3	9.0	9.7	10.5	11.9	13.3	14.7	16.1
-82.5°	5.2	6.3	7.4	8.0	8.7	9.3	10.0	11.0	12.2	13.5	14.7
-85°	5.2	6.2	7.2	7.8	8.4	9.0	9.6	10.4	11.3	12.3	13.3
-87.5°	5.2	6.1	7.1	7.6	8.1	8.6	9.1	9.8	10.4	11.1	11.9
-90°	5.2	5.2	5.2	4.8	4.4	3.9	3.5	3.5	3.5	3.5	3.5





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	10.4	10.4	10.4	10.4	10.9	11.3	11.8	12.2	12.6	13.1	13.5
87.5°	3.3	3.1	2.9	2.8	2.6	2.3	2.1	1.8	1.8	1.8	1.8
85°	3.5	3.5	3.5	3.5	3.1	2.7	2.2	1.8	1.8	1.8	1.8
82.5°	4.0	3.9	3.8	3.5	3.1	2.7	2.3	2.0	2.1	2.1	2.0
80°	4.6	4.4	4.0	3.6	3.3	3.2	3.1	3.2	3.1	2.8	2.6
77.5°	4.9	4.5	4.0	3.6	3.5	3.8	4.1	4.4	4.3	4.2	4.0
75°	4.9	4.5	4.3	4.3	4.6	4.9	5.2	5.2	5.0	4.9	4.9
72.5°	5.0	4.8	4.9	5.2	5.2	5.2	5.2	5.2	6.6	8.5	9.9
70°	5.1	5.2	5.2	5.2	5.2	5.7	8.1	11.5	15.1	17.0	18.8
67.5°	5.2	5.2	5.2	5.4	6.7	9.3	13.2	20.6	28.6	30.6	30.3
65°	5.2	5.2	5.8	7.1	8.5	14.9	23.0	32.4	39.4	38.4	35.9
62.5°	5.2	5.9	7.1	9.6	14.8	22.4	29.8	36.6	43.3	42.1	36.3
60°	5.9	6.8	9.7	14.8	20.4	26.0	33.0	37.4	41.8	42.9	32.7
57.5°	6.7	8.8	13.6	19.0	23.8	27.8	30.5	34.4	35.8	34.8	25.5
55°	8.1	11.7	16.9	22.0	25.4	24.4	26.0	27.2	26.7	24.6	18.1
52.5°	10.6	14.4	19.5	23.8	24.2	22.0	20.5	20.7	19.1	16.2	14.1
50°	12.8	17.1	21.8	24.3	23.2	19.7	16.4	15.8	14.8	13.4	12.2
47.5°	15.1	19.8	23.5	24.8	21.4	18.3	15.2	14.1	13.3	13.7	13.0
45°	17.4	21.8	25.5	23.5	20.5	18.0	16.7	13.9	15.6	16.7	17.3
42.5°	19.6	23.6	25.2	22.4	20.8	20.7	20.4	19.8	20.7	25.0	27.5
40°	21.2	25.2	25.1	24.6	22.8	26.1	29.3	31.9	32.1	37.7	42.1
37.5°	22.6	25.9	27.3	30.8	29.2	35.4	40.8	62.5	63.4	52.5	71.1
35°	24.0	27.2	36.0	45.8	49.6	48.3	78.9	107.5	114.5	103.0	122.3
32.5°	25.5	29.2	47.7	70.7	91.6	93.0	128.1	173.5	197.4	205.5	216.1
30°	28.2	40.0	65.8	102.1	152.4	193.5	210.2	259.1	303.1	391.4	453.1
27.5°	33.1	54.2	95.9	158.2	235.3	313.0	339.6	373.6	489.1	645.5	800.0
25°	39.3	84.2	130.2	232.5	350.4	436.7	470.6	516.3	734.5	1036.5	1214.2
22.5°	54.9	122.7	182.2	318.1	478.0	557.1	601.4	765.7	1099.5	1500.6	1680.7
20°	83.1	168.6	245.5	389.6	606.2	676.7	726.3	1068.3	1554.1	1935.3	2217.6
17.5°	115.7	214.6	308.4	465.0	661.8	767.7	871.5	1402.3	2030.5	2365.7	2698.2
15°	151.5	260.4	362.8	532.1	712.0	822.4	1094.8	1780.3	2461.3	2788.2	3119.9
12.5°	189.5	305.5	409.6	591.0	761.6	873.2	1297.7	2049.8	2691.4	3121.5	3519.5
10°	228.3	349.5	449.6	641.8	809.7	920.3	1487.5	2278.8	2813.4	3196.1	3647.0
7.5°	254.5	378.2	480.7	684.9	855.3	963.6	1659.4	2467.8	2896.2	3233.5	3634.1
5°	275.2	389.1	492.6	715.5	892.9	997.8	1794.8	2617.0	2946.5	3239.2	3566.9
2.5°	291.7	396.4	501.9	739.3	922.8	1019.6	1839.7	2663.1	2956.6	3239.0	3534.6
0°	303.6	400.7	508.3	756.3	947.2	1037.4	1849.3	2673.3	2949.1	3231.9	3547.5
-2.5°	314.3	413.0	528.2	770.8	948.3	1039.4	1840.2	2661.4	2982.4	3310.1	3687.1
-5°	320.9	422.9	544.6	778.2	944.5	1038.1	1798.3	2613.9	2979.0	3311.4	3710.2
-7.5°	324.0	430.5	556.7	777.3	931.5	1024.0	1687.1	2462.1	2861.8	3175.0	3593.1
-10°	325.1	439.7	564.6	760.8	907.1	1000.4	1543.6	2282.0	2732.4	3025.8	3431.4
-12.5°	328.0	450.2	569.7	742.2	883.0	973.6	1381.4	2077.3	2592.1	2865.7	3246.8
-15°	327.8	458.3	572.2	723.1	860.5	943.5	1204.2	1851.5	2487.7	2835.3	3146.7
-17.5°	324.8	463.9	572.5	704.7	841.0	910.3	1021.9	1651.9	2401.3	2822.8	3125.0
-20°	319.2	467.2	570.7	688.4	823.0	896.3	987.1	1458.6	2171.8	2778.4	3116.4



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	311.2	468.1	568.7	680.1	808.8	900.8	978.7	1246.7	1868.5	2704.6	3058.4
-25°	306.9	454.5	566.4	670.3	793.7	906.2	969.9	1051.4	1568.8	2333.3	2922.2
-27.5°	304.5	438.7	553.5	654.3	774.3	904.9	970.7	1039.6	1315.4	1909.5	2711.7
-30°	297.4	412.5	535.9	633.3	751.6	879.3	977.1	1031.1	1108.5	1569.4	2224.1
-32.5°	282.5	385.1	507.2	610.5	721.9	849.5	970.5	1030.9	1096.9	1233.7	1762.1
-35°	266.8	363.6	474.1	582.2	685.3	809.2	927.5	1028.6	1085.8	1156.5	1392.8
-37.5°	254.3	339.3	440.4	547.6	649.3	760.7	879.8	991.6	1077.1	1148.5	1238.5
-40°	238.7	312.4	409.5	510.1	609.6	712.5	824.0	936.5	1044.4	1152.6	1234.7
-42.5°	219.9	291.5	377.3	471.8	567.2	666.1	765.6	874.1	1000.0	1136.3	1241.6
-45°	197.4	267.2	343.5	431.1	520.7	615.9	712.2	810.1	942.9	1083.0	1214.9
-47.5°	172.2	239.2	312.0	387.3	472.0	560.6	654.4	757.0	873.4	1007.1	1150.9
-50°	145.6	207.7	275.7	345.6	421.1	503.1	589.7	693.3	802.9	920.0	1049.8
-52.5°	120.4	173.2	236.1	302.8	371.2	444.6	525.8	618.5	721.3	830.3	939.3
-55°	93.3	140.7	193.2	255.7	321.3	387.4	458.4	540.6	629.9	729.4	827.1
-57.5°	72.3	107.0	152.3	204.5	265.6	329.6	392.5	459.4	537.5	622.3	704.7
-60°	54.7	78.5	112.0	156.1	205.2	262.8	323.1	384.0	446.9	509.9	580.2
-62.5°	38.8	57.2	79.3	108.5	150.5	193.3	243.7	299.8	359.2	413.2	465.0
-65°	33.9	39.3	54.4	75.0	96.6	132.1	170.3	209.5	258.5	307.0	356.3
-67.5°	28.8	33.8	38.7	46.5	65.1	83.7	102.1	135.4	169.4	200.4	233.4
-70°	26.1	28.6	32.6	37.0	41.3	49.0	65.1	81.1	96.6	115.0	141.2
-72.5°	23.9	25.9	28.1	30.6	34.3	38.0	41.7	45.2	54.5	67.2	79.1
-75°	21.5	23.2	25.0	26.9	29.0	31.3	33.8	36.9	39.9	42.7	45.6
-77.5°	19.2	20.6	22.1	23.4	24.8	26.6	28.4	30.3	32.0	33.7	35.4
-80°	17.1	18.1	19.3	20.5	21.5	22.5	23.5	24.7	25.6	26.5	27.7
-82.5°	15.4	16.0	16.8	17.6	18.2	18.8	19.3	19.9	20.8	21.7	22.5
-85°	13.6	13.9	14.2	14.7	15.3	16.0	16.5	17.0	17.5	17.9	18.4
-87.5°	12.0	12.1	12.3	12.4	13.0	13.5	14.1	14.6	14.8	15.0	15.2
-90°	3.1	2.7	2.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	13.9	13.9	13.9	13.9	13.9	14.3	14.8	15.2	15.6	15.6	15.6
87.5°	1.8	1.7	1.7	1.6	1.6	1.3	0.8	0.4	0.0	0.0	0.0
85°	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	2.3	2.3	2.2	2.1	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	3.7	3.5	3.1	2.5	1.9	1.8	1.8	1.8	1.8	1.8	1.8
75°	5.0	4.9	4.8	4.3	3.6	3.5	3.5	3.4	3.2	3.3	3.3
72.5°	10.6	10.5	9.9	9.1	7.8	7.2	7.0	6.7	6.3	6.0	5.8
70°	19.2	18.6	17.5	15.5	12.9	11.1	10.1	8.9	7.4	6.8	6.8
67.5°	27.6	24.8	22.4	19.7	16.2	13.3	11.7	10.2	8.8	8.1	7.8
65°	31.9	25.5	21.2	17.9	15.4	13.0	11.2	9.6	8.2	7.3	7.1
62.5°	29.3	21.2	16.8	14.0	11.8	10.2	9.0	7.7	6.5	5.8	6.0
60°	23.9	16.4	12.6	11.0	9.8	8.8	7.6	6.6	5.7	5.3	5.8
57.5°	18.3	13.1	10.3	9.6	8.7	7.5	6.7	6.4	6.3	6.3	6.6
55°	13.6	11.5	10.4	9.2	8.1	7.3	7.0	7.2	7.2	6.9	6.9
52.5°	11.7	10.7	9.5	8.4	8.2	8.3	8.6	8.2	8.0	8.0	8.2
50°	11.4	10.5	9.6	8.7	9.0	9.0	8.8	9.1	9.6	9.7	9.9
47.5°	12.3	11.6	12.2	10.3	10.7	12.0	12.1	12.3	13.8	14.5	14.8
45°	16.2	19.7	19.7	18.2	17.5	25.3	25.9	21.7	35.2	33.8	23.8
42.5°	29.9	31.8	31.9	39.8	53.8	61.4	81.4	113.3	106.1	82.4	49.8
40°	49.5	47.1	57.4	73.6	90.0	109.3	136.7	190.9	181.8	145.5	159.9
37.5°	85.5	85.5	90.4	113.0	119.3	102.8	146.0	141.1	112.4	158.1	167.3
35°	156.3	171.9	145.9	181.0	185.7	170.8	179.1	198.0	171.2	204.9	219.4
32.5°	280.6	309.6	313.4	322.0	347.8	367.6	362.0	408.3	410.6	454.2	513.9
30°	448.6	508.7	571.0	580.7	612.9	665.1	691.4	784.4	883.1	947.6	1066.2
27.5°	788.5	803.3	928.6	1027.3	988.0	1066.2	1262.1	1375.7	1564.1	1676.4	1795.7
25°	1266.3	1307.3	1483.7	1665.6	1689.8	1761.2	2045.9	2208.4	2402.5	2516.0	2762.1
22.5°	1872.8	2049.1	2243.3	2482.6	2580.6	2748.6	3025.3	3263.5	3668.1	4168.7	5247.3
20°	2548.4	2813.2	3074.5	3284.6	3486.9	3754.1	4090.7	5240.2	6602.3	10706.3	13537.9
17.5°	3126.5	3560.4	3810.1	4013.5	4267.5	4782.8	6119.0	9506.5	16038.9	25176.0	33539.6
15°	3576.0	3981.2	4382.7	4637.7	5034.5	6175.4	8894.1	17201.9	30738.1	46162.0	64826.5
12.5°	3932.4	4268.9	4606.1	4981.3	5714.6	7938.2	14854.9	27684.7	47368.7	72300.7	105389.6
10°	4124.9	4461.6	4787.0	5321.2	6678.6	10727.4	20421.0	37340.4	68234.4	107172.5	149341.9
7.5°	4123.6	4534.0	4936.4	5587.9	7661.0	14060.5	26977.5	49873.1	86415.2	135232.6	189521.9
5°	4121.3	4618.0	5039.5	5774.8	8275.5	16335.0	31047.4	56813.8	101219.0	156309.6	214440.0
2.5°	4161.3	4707.9	5106.2	5897.8	8560.3	17555.5	33304.9	62295.8	111568.8	168306.3	230423.3
0°	4255.3	4787.9	5145.3	5910.3	8526.3	17807.3	33567.6	63622.1	115552.1	175830.4	239573.1
-2.5°	4410.9	4776.4	5123.2	5860.4	8412.7	17287.9	32954.2	62465.2	110936.5	167457.8	229148.9
-5°	4317.3	4612.4	4919.1	5582.4	7854.7	15467.0	29684.5	55896.2	97296.0	148052.4	200899.4
-7.5°	4076.8	4375.9	4660.0	5232.0	7050.5	12763.8	24282.3	44902.7	77238.7	116767.5	158275.5
-10°	3857.6	4125.8	4393.3	4850.8	6024.2	9361.8	17376.0	31778.4	56393.2	86190.9	117911.5
-12.5°	3688.7	3914.1	4120.1	4426.7	5079.2	6943.4	12641.3	23330.6	37869.1	56839.9	80054.7
-15°	3540.2	3715.4	3867.0	4162.0	4647.0	5620.9	7876.9	13983.6	23042.5	34996.1	47672.2
-17.5°	3402.8	3570.8	3749.8	3974.6	4280.0	4747.5	6043.5	8612.1	13838.4	21646.8	29122.7
-20°	3332.6	3538.1	3692.0	3867.8	4127.0	4486.3	4941.7	6215.9	8369.9	13168.9	18029.7



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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°	3277.1	3473.1	3648.7	3852.7	4118.9	4402.5	4648.3	5037.5	6053.8	7560.9	10070.2
-25°	3209.6	3402.8	3662.5	3959.6	4188.2	4402.6	4527.3	4608.5	5044.6	5475.4	6436.0
-27.5°	3081.4	3387.7	3769.0	4089.7	4335.8	4468.8	4569.3	4635.0	4896.5	5153.3	5432.8
-30°	2966.8	3436.4	3848.1	4221.0	4435.2	4597.8	4728.7	4847.2	5027.9	5245.4	5347.1
-32.5°	2560.2	3423.2	3881.2	4224.4	4444.5	4636.3	4838.2	4947.6	5106.8	5266.1	5394.5
-35°	2011.0	2887.9	3845.4	4042.0	4260.4	4510.5	4752.9	4908.7	5070.8	5234.8	5386.1
-37.5°	1506.4	2162.3	2938.8	3649.0	3942.1	4198.1	4495.7	4735.7	4947.7	5126.7	5299.0
-40°	1320.4	1498.3	2069.6	2633.6	3232.7	3782.5	4076.7	4398.0	4717.1	4938.1	5134.7
-42.5°	1318.3	1386.5	1444.9	1822.9	2283.8	2756.6	3257.0	3723.3	4242.6	4606.5	4882.6
-45°	1326.8	1379.8	1434.2	1489.0	1539.3	1887.1	2252.0	2622.0	3163.9	3701.8	4166.9
-47.5°	1263.7	1366.0	1431.1	1483.6	1533.4	1582.2	1629.9	1729.7	2076.1	2442.8	2777.9
-50°	1163.4	1269.0	1365.9	1463.2	1520.3	1568.5	1620.4	1677.4	1732.8	1789.2	1826.6
-52.5°	1040.6	1144.4	1245.3	1337.6	1420.7	1502.4	1584.0	1650.3	1709.5	1767.1	1795.8
-55°	923.1	1016.6	1108.5	1189.7	1270.7	1351.3	1432.5	1513.2	1593.5	1672.2	1712.5
-57.5°	792.8	883.6	970.1	1038.4	1107.2	1175.9	1249.6	1325.4	1398.6	1465.6	1501.0
-60°	654.4	732.2	806.3	872.7	937.1	999.2	1061.7	1124.9	1186.8	1241.3	1273.3
-62.5°	516.8	576.8	638.6	696.4	751.4	804.3	861.3	915.8	967.3	1010.7	1040.9
-65°	404.6	449.5	489.0	529.0	569.7	616.3	663.3	707.7	749.4	783.8	809.6
-67.5°	274.8	315.9	352.2	386.2	417.4	449.1	482.8	515.2	545.9	571.3	591.3
-70°	166.1	189.3	210.0	233.0	260.1	286.9	313.5	338.2	360.6	379.0	393.6
-72.5°	90.3	100.1	110.6	127.2	142.3	157.5	172.4	186.2	198.6	209.6	219.2
-75°	48.5	52.8	60.4	67.3	73.4	79.5	85.4	90.9	95.8	99.8	103.2
-77.5°	37.5	39.5	41.4	43.0	44.5	45.8	47.1	48.4	49.6	50.8	51.8
-80°	28.8	30.2	31.6	32.9	34.1	35.0	35.8	36.4	36.9	37.7	38.4
-82.5°	23.1	23.8	24.4	25.0	25.7	26.4	27.2	27.9	28.6	28.9	29.1
-85°	18.9	19.2	19.4	19.6	19.8	20.1	20.3	20.4	20.6	20.6	20.7
-87.5°	15.3	15.3	15.4	15.4	15.4	15.9	16.3	16.8	17.2	17.3	17.3
-90°	1.8	1.4	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P574521 (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°
90°	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.2
87.5°	0.0	0.0	0.9	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.4
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	3.4	3.5	3.5	3.5	3.5	3.5	3.4	3.3	3.3	3.2	3.4
72.5°	5.6	5.2	5.2	5.2	5.2	5.2	5.6	5.8	6.0	6.3	6.7
70°	6.8	6.8	6.9	6.9	6.9	6.8	6.8	6.8	6.8	7.4	8.9
67.5°	7.4	7.0	6.1	5.2	6.1	7.0	7.4	7.8	8.1	8.8	10.2
65°	7.0	6.9	6.1	5.2	6.1	6.9	7.0	7.1	7.3	8.2	9.6
62.5°	6.4	6.8	6.2	5.2	6.2	6.8	6.4	6.0	5.8	6.5	7.7
60°	6.3	6.8	6.9	6.9	6.9	6.8	6.3	5.8	5.3	5.7	6.6
57.5°	6.8	6.9	6.9	6.9	6.9	6.9	6.8	6.6	6.3	6.3	6.4
55°	6.9	6.9	7.6	8.7	7.6	6.9	6.9	6.9	6.9	7.2	7.2
52.5°	8.4	8.6	8.7	8.7	8.7	8.6	8.4	8.2	8.0	8.0	8.2
50°	10.1	10.3	10.4	10.4	10.4	10.3	10.1	9.9	9.7	9.6	9.1
47.5°	14.7	14.2	13.8	13.9	13.8	14.2	14.7	14.8	14.5	13.8	12.3
45°	24.2	24.1	24.1	24.3	24.1	24.1	24.2	23.8	33.8	35.2	21.7
42.5°	48.5	43.7	40.0	41.7	40.0	43.7	48.5	49.8	82.4	106.1	113.3
40°	142.7	98.0	56.8	57.2	56.8	98.0	142.7	159.9	145.5	181.8	190.9
37.5°	133.4	107.7	97.1	95.4	97.1	107.7	133.4	167.3	158.1	112.4	141.1
35°	220.1	218.8	209.2	208.2	209.2	218.8	220.1	219.4	204.9	171.2	198.0
32.5°	537.0	559.0	551.9	543.0	551.9	559.0	537.0	513.9	454.2	410.6	408.3
30°	1122.5	1171.4	1161.4	1188.3	1161.4	1171.4	1122.5	1066.2	947.6	883.1	784.4
27.5°	1861.8	1893.8	1860.7	1850.9	1860.7	1893.8	1861.8	1795.7	1676.4	1564.1	1375.7
25°	2930.3	2992.3	3020.8	3079.2	3020.8	2992.3	2930.3	2762.1	2516.0	2402.5	2208.4
22.5°	6588.3	6972.3	6775.1	6599.0	6775.1	6972.3	6588.3	5247.3	4168.7	3668.1	3263.5
20°	19334.8	22749.7	22498.1	22048.7	22498.1	22749.7	19334.8	13537.9	10706.3	6602.3	5240.2
17.5°	46622.0	57113.1	63646.6	67084.7	63646.6	57113.1	46622.0	33539.6	25176.0	16038.9	9506.5
15°	86977.1	104623.3	114984.1	120860.4	114984.1	104623.3	86977.1	64826.5	46162.0	30738.1	17201.9
12.5°	137200.5	164858.3	183206.8	186714.4	183206.8	164858.3	137200.5	105389.6	72300.7	47368.7	27684.7
10°	192503.2	227926.6	257141.0	267795.9	257141.0	227926.6	192503.2	149341.9	107172.5	68234.4	37340.4
7.5°	239733.6	284937.9	323730.5	337527.9	323730.5	284937.9	239733.6	189521.9	135232.6	86415.2	49873.1
5°	274077.5	334042.9	369156.5	378631.2	369156.5	334042.9	274077.5	214440.0	156309.6	101219.0	56813.8
2.5°	302033.7	358955.5	396602.3	416012.6	396602.3	358955.5	302033.7	230423.3	168306.3	111568.8	62295.8
0°	314325.5	369027.5	409629.4	438107.2	409629.4	369027.5	314325.5	239573.1	175830.4	115552.1	63622.1
-2.5°	299219.8	355160.4	384042.5	396524.3	384042.5	355160.4	299219.8	229148.9	167457.8	110936.5	62465.2
-5°	254399.5	307133.4	336162.1	345384.6	336162.1	307133.4	254399.5	200899.4	148052.4	97296.0	55896.2
-7.5°	198442.1	234976.2	260021.4	268750.0	260021.4	234976.2	198442.1	158275.5	116767.5	77238.7	44902.7
-10°	149422.7	175623.9	189045.1	193581.4	189045.1	175623.9	149422.7	117911.5	86190.9	56393.2	31778.4
-12.5°	102601.7	122326.0	131001.7	136701.2	131001.7	122326.0	102601.7	80054.7	56839.9	37869.1	23330.6
-15°	63113.1	75971.9	82803.3	86703.0	82803.3	75971.9	63113.1	47672.2	34996.1	23042.5	13983.6
-17.5°	38344.5	45334.3	49861.4	51912.5	49861.4	45334.3	38344.5	29122.7	21646.8	13838.4	8612.1
-20°	23805.3	28459.2	31102.5	32618.6	31102.5	28459.2	23805.3	18029.7	13168.9	8369.9	6215.9



REPORT NUMBER: P574521 (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°	13373.1	15926.6	17358.4	17857.6	17358.4	15926.6	13373.1	10070.2	7560.9	6053.8	5037.5
-25°	7436.6	8086.6	8371.0	8437.8	8371.0	8086.6	7436.6	6436.0	5475.4	5044.6	4608.5
-27.5°	5675.1	5813.7	5901.5	5927.7	5901.5	5813.7	5675.1	5432.8	5153.3	4896.5	4635.0
-30°	5443.7	5458.2	5482.3	5478.4	5482.3	5458.2	5443.7	5347.1	5245.4	5027.9	4847.2
-32.5°	5485.0	5490.4	5495.2	5487.0	5495.2	5490.4	5485.0	5394.5	5266.1	5106.8	4947.6
-35°	5468.7	5484.4	5496.7	5502.6	5496.7	5484.4	5468.7	5386.1	5234.8	5070.8	4908.7
-37.5°	5367.5	5389.2	5399.8	5389.9	5399.8	5389.2	5367.5	5299.0	5126.7	4947.7	4735.7
-40°	5182.0	5197.6	5198.6	5190.4	5198.6	5197.6	5182.0	5134.7	4938.1	4717.1	4398.0
-42.5°	4966.7	5021.4	5047.3	5048.2	5047.3	5021.4	4966.7	4882.6	4606.5	4242.6	3723.3
-45°	4461.6	4690.3	4826.0	4859.1	4826.0	4690.3	4461.6	4166.9	3701.8	3163.9	2622.0
-47.5°	3045.7	3272.9	3420.6	3476.4	3420.6	3272.9	3045.7	2777.9	2442.8	2076.1	1729.7
-50°	1853.9	1881.4	1893.5	1890.8	1893.5	1881.4	1853.9	1826.6	1789.2	1732.8	1677.4
-52.5°	1817.9	1839.6	1853.1	1859.7	1853.1	1839.6	1817.9	1795.8	1767.1	1709.5	1650.3
-55°	1745.6	1772.8	1786.9	1790.2	1786.9	1772.8	1745.6	1712.5	1672.2	1593.5	1513.2
-57.5°	1530.7	1554.4	1568.0	1573.4	1568.0	1554.4	1530.7	1501.0	1465.6	1398.6	1325.4
-60°	1299.2	1319.1	1327.8	1328.8	1327.8	1319.1	1299.2	1273.3	1241.3	1186.8	1124.9
-62.5°	1066.0	1085.8	1092.4	1091.2	1092.4	1085.8	1066.0	1040.9	1010.7	967.3	915.8
-65°	831.1	848.3	851.7	848.3	851.7	848.3	831.1	809.6	783.8	749.4	707.7
-67.5°	608.1	621.5	625.4	624.5	625.4	621.5	608.1	591.3	571.3	545.9	515.2
-70°	405.2	413.8	413.5	409.4	413.5	413.8	405.2	393.6	379.0	360.6	338.2
-72.5°	227.3	233.9	239.2	242.9	239.2	233.9	227.3	219.2	209.6	198.6	186.2
-75°	105.9	108.0	110.7	112.8	110.7	108.0	105.9	103.2	99.8	95.8	90.9
-77.5°	52.7	53.5	54.6	55.5	54.6	53.5	52.7	51.8	50.8	49.6	48.4
-80°	39.1	39.7	39.9	39.9	39.9	39.7	39.1	38.4	37.7	36.9	36.4
-82.5°	29.3	29.4	29.5	29.5	29.5	29.4	29.3	29.1	28.9	28.6	27.9
-85°	20.7	20.8	21.7	22.6	21.7	20.8	20.7	20.7	20.6	20.6	20.4
-87.5°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.2	16.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	14.8	14.3	13.9	13.9	13.9	13.9	13.9	13.5	13.1	12.6	12.2
87.5°	0.8	1.3	1.6	1.6	1.7	1.7	1.8	1.8	1.8	1.8	1.8
85°	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.1	2.1	2.0
80°	1.8	1.8	1.8	2.1	2.2	2.3	2.3	2.6	2.8	3.1	3.2
77.5°	1.8	1.8	1.9	2.5	3.1	3.5	3.7	4.0	4.2	4.3	4.4
75°	3.5	3.5	3.6	4.3	4.8	4.9	5.0	4.9	4.9	5.0	5.2
72.5°	7.0	7.2	7.8	9.1	9.9	10.5	10.6	9.9	8.5	6.6	5.2
70°	10.1	11.1	12.9	15.5	17.5	18.6	19.2	18.8	17.0	15.1	11.5
67.5°	11.7	13.3	16.2	19.7	22.4	24.8	27.6	30.3	30.6	28.6	20.6
65°	11.2	13.0	15.4	17.9	21.2	25.5	31.9	35.9	38.4	39.4	32.4
62.5°	9.0	10.2	11.8	14.0	16.8	21.2	29.3	36.3	42.1	43.3	36.6
60°	7.6	8.8	9.8	11.0	12.6	16.4	23.9	32.7	42.9	41.8	37.4
57.5°	6.7	7.5	8.7	9.6	10.3	13.1	18.3	25.5	34.8	35.8	34.4
55°	7.0	7.3	8.1	9.2	10.4	11.5	13.6	18.1	24.6	26.7	27.2
52.5°	8.6	8.3	8.2	8.4	9.5	10.7	11.7	14.1	16.2	19.1	20.7
50°	8.8	9.0	9.0	8.7	9.6	10.5	11.4	12.2	13.4	14.8	15.8
47.5°	12.1	12.0	10.7	10.3	12.2	11.6	12.3	13.0	13.7	13.3	14.1
45°	25.9	25.3	17.5	18.2	19.7	19.7	16.2	17.3	16.7	15.6	13.9
42.5°	81.4	61.4	53.8	39.8	31.9	31.8	29.9	27.5	25.0	20.7	19.8
40°	136.7	109.3	90.0	73.6	57.4	47.1	49.5	42.1	37.7	32.1	31.9
37.5°	146.0	102.8	119.3	113.0	90.4	85.5	85.5	71.1	52.5	63.4	62.5
35°	179.1	170.8	185.7	181.0	145.9	171.9	156.3	122.3	103.0	114.5	107.5
32.5°	362.0	367.6	347.8	322.0	313.4	309.6	280.6	216.1	205.5	197.4	173.5
30°	691.4	665.1	612.9	580.7	571.0	508.7	448.6	453.1	391.4	303.1	259.1
27.5°	1262.1	1066.2	988.0	1027.3	928.6	803.3	788.5	800.0	645.5	489.1	373.6
25°	2045.9	1761.2	1689.8	1665.6	1483.7	1307.3	1266.3	1214.2	1036.5	734.5	516.3
22.5°	3025.3	2748.6	2580.6	2482.6	2243.3	2049.1	1872.8	1680.7	1500.6	1099.5	765.7
20°	4090.7	3754.1	3486.9	3284.6	3074.5	2813.2	2548.4	2217.6	1935.3	1554.1	1068.3
17.5°	6119.0	4782.8	4267.5	4013.5	3810.1	3560.4	3126.5	2698.2	2365.7	2030.5	1402.3
15°	8894.1	6175.4	5034.5	4637.7	4382.7	3981.2	3576.0	3119.9	2788.2	2461.3	1780.3
12.5°	14854.9	7938.2	5714.6	4981.3	4606.1	4268.9	3932.4	3519.5	3121.5	2691.4	2049.8
10°	20421.0	10727.4	6678.6	5321.2	4787.0	4461.6	4124.9	3647.0	3196.1	2813.4	2278.8
7.5°	26977.5	14060.5	7661.0	5587.9	4936.4	4534.0	4123.6	3634.1	3233.5	2896.2	2467.8
5°	31047.4	16335.0	8275.5	5774.8	5039.5	4618.0	4121.3	3566.9	3239.2	2946.5	2617.0
2.5°	33304.9	17555.5	8560.3	5897.8	5106.2	4707.9	4161.3	3534.6	3239.0	2956.6	2663.1
0°	33567.6	17807.3	8526.3	5910.3	5145.3	4787.9	4255.3	3547.5	3231.9	2949.1	2673.3
-2.5°	32954.2	17287.9	8412.7	5860.4	5123.2	4776.4	4410.9	3687.1	3310.1	2982.4	2661.4
-5°	29684.5	15467.0	7854.7	5582.4	4919.1	4612.4	4317.3	3710.2	3311.4	2979.0	2613.9
-7.5°	24282.3	12763.8	7050.5	5232.0	4660.0	4375.9	4076.8	3593.1	3175.0	2861.8	2462.1
-10°	17376.0	9361.8	6024.2	4850.8	4393.3	4125.8	3857.6	3431.4	3025.8	2732.4	2282.0
-12.5°	12641.3	6943.4	5079.2	4426.7	4120.1	3914.1	3688.7	3246.8	2865.7	2592.1	2077.3
-15°	7876.9	5620.9	4647.0	4162.0	3867.0	3715.4	3540.2	3146.7	2835.3	2487.7	1851.5
-17.5°	6043.5	4747.5	4280.0	3974.6	3749.8	3570.8	3402.8	3125.0	2822.8	2401.3	1651.9
-20°	4941.7	4486.3	4127.0	3867.8	3692.0	3538.1	3332.6	3116.4	2778.4	2171.8	1458.6



REPORT NUMBER: P574521 (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°	4648.3	4402.5	4118.9	3852.7	3648.7	3473.1	3277.1	3058.4	2704.6	1868.5	1246.7
-25°	4527.3	4402.6	4188.2	3959.6	3662.5	3402.8	3209.6	2922.2	2333.3	1568.8	1051.4
-27.5°	4569.3	4468.8	4335.8	4089.7	3769.0	3387.7	3081.4	2711.7	1909.5	1315.4	1039.6
-30°	4728.7	4597.8	4435.2	4221.0	3848.1	3436.4	2966.8	2224.1	1569.4	1108.5	1031.1
-32.5°	4838.2	4636.3	4444.5	4224.4	3881.2	3423.2	2560.2	1762.1	1233.7	1096.9	1030.9
-35°	4752.9	4510.5	4260.4	4042.0	3845.4	2887.9	2011.0	1392.8	1156.5	1085.8	1028.6
-37.5°	4495.7	4198.1	3942.1	3649.0	2938.8	2162.3	1506.4	1238.5	1148.5	1077.1	991.6
-40°	4076.7	3782.5	3232.7	2633.6	2069.6	1498.3	1320.4	1234.7	1152.6	1044.4	936.5
-42.5°	3257.0	2756.6	2283.8	1822.9	1444.9	1386.5	1318.3	1241.6	1136.3	1000.0	874.1
-45°	2252.0	1887.1	1539.3	1489.0	1434.2	1379.8	1326.8	1214.9	1083.0	942.9	810.1
-47.5°	1629.9	1582.2	1533.4	1483.6	1431.1	1366.0	1263.7	1150.9	1007.1	873.4	757.0
-50°	1620.4	1568.5	1520.3	1463.2	1365.9	1269.0	1163.4	1049.8	920.0	802.9	693.3
-52.5°	1584.0	1502.4	1420.7	1337.6	1245.3	1144.4	1040.6	939.3	830.3	721.3	618.5
-55°	1432.5	1351.3	1270.7	1189.7	1108.5	1016.6	923.1	827.1	729.4	629.9	540.6
-57.5°	1249.6	1175.9	1107.2	1038.4	970.1	883.6	792.8	704.7	622.3	537.5	459.4
-60°	1061.7	999.2	937.1	872.7	806.3	732.2	654.4	580.2	509.9	446.9	384.0
-62.5°	861.3	804.3	751.4	696.4	638.6	576.8	516.8	465.0	413.2	359.2	299.8
-65°	663.3	616.3	569.7	529.0	489.0	449.5	404.6	356.3	307.0	258.5	209.5
-67.5°	482.8	449.1	417.4	386.2	352.2	315.9	274.8	233.4	200.4	169.4	135.4
-70°	313.5	286.9	260.1	233.0	210.0	189.3	166.1	141.2	115.0	96.6	81.1
-72.5°	172.4	157.5	142.3	127.2	110.6	100.1	90.3	79.1	67.2	54.5	45.2
-75°	85.4	79.5	73.4	67.3	60.4	52.8	48.5	45.6	42.7	39.9	36.9
-77.5°	47.1	45.8	44.5	43.0	41.4	39.5	37.5	35.4	33.7	32.0	30.3
-80°	35.8	35.0	34.1	32.9	31.6	30.2	28.8	27.7	26.5	25.6	24.7
-82.5°	27.2	26.4	25.7	25.0	24.4	23.8	23.1	22.5	21.7	20.8	19.9
-85°	20.3	20.1	19.8	19.6	19.4	19.2	18.9	18.4	17.9	17.5	17.0
-87.5°	16.3	15.9	15.4	15.4	15.4	15.3	15.3	15.2	15.0	14.8	14.6
-90°	0.0	0.0	0.0	0.5	0.9	1.4	1.8	1.8	1.8	1.8	1.8





REPORT NUMBER: P574521 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	11.8	11.3	10.9	10.4	10.4	10.4	10.4	10.4	10.0	9.6	9.1
87.5°	2.1	2.3	2.6	2.8	2.9	3.1	3.3	3.5	3.7	3.8	3.9
85°	2.2	2.7	3.1	3.5	3.5	3.5	3.5	3.5	3.8	4.1	4.3
82.5°	2.3	2.7	3.1	3.5	3.8	3.9	4.0	4.0	4.1	4.4	4.7
80°	3.1	3.2	3.3	3.6	4.0	4.4	4.6	4.7	4.6	4.7	4.9
77.5°	4.1	3.8	3.5	3.6	4.0	4.5	4.9	5.2	5.1	5.0	5.0
75°	5.2	4.9	4.6	4.3	4.3	4.5	4.9	5.2	5.2	5.2	5.1
72.5°	5.2	5.2	5.2	5.2	4.9	4.8	5.0	5.2	5.2	5.2	5.2
70°	8.1	5.7	5.2	5.2	5.2	5.2	5.1	5.3	5.2	5.2	5.2
67.5°	13.2	9.3	6.7	5.4	5.2	5.2	5.2	5.4	5.5	5.2	5.2
65°	23.0	14.9	8.5	7.1	5.8	5.2	5.2	5.6	5.7	5.6	5.2
62.5°	29.8	22.4	14.8	9.6	7.1	5.9	5.2	5.6	6.0	6.0	5.5
60°	33.0	26.0	20.4	14.8	9.7	6.8	5.9	5.7	6.1	6.4	6.0
57.5°	30.5	27.8	23.8	19.0	13.6	8.8	6.7	6.2	6.2	6.5	6.4
55°	26.0	24.4	25.4	22.0	16.9	11.7	8.1	7.0	6.4	6.6	6.9
52.5°	20.5	22.0	24.2	23.8	19.5	14.4	10.6	7.7	7.0	6.7	7.1
50°	16.4	19.7	23.2	24.3	21.8	17.1	12.8	9.4	7.7	6.9	7.2
47.5°	15.2	18.3	21.4	24.8	23.5	19.8	15.1	11.1	8.3	7.5	7.2
45°	16.7	18.0	20.5	23.5	25.5	21.8	17.4	12.5	9.6	8.1	7.3
42.5°	20.4	20.7	20.8	22.4	25.2	23.6	19.6	14.4	10.7	8.8	7.7
40°	29.3	26.1	22.8	24.6	25.1	25.2	21.2	16.3	11.6	9.6	8.3
37.5°	40.8	35.4	29.2	30.8	27.3	25.9	22.6	18.1	13.0	10.6	8.9
35°	78.9	48.3	49.6	45.8	36.0	27.2	24.0	19.6	15.1	11.6	9.6
32.5°	128.1	93.0	91.6	70.7	47.7	29.2	25.5	21.7	17.2	12.5	10.2
30°	210.2	193.5	152.4	102.1	65.8	40.0	28.2	24.0	19.3	13.4	10.9
27.5°	339.6	313.0	235.3	158.2	95.9	54.2	33.1	26.5	21.5	14.6	11.7
25°	470.6	436.7	350.4	232.5	130.2	84.2	39.3	29.1	23.5	16.4	12.4
22.5°	601.4	557.1	478.0	318.1	182.2	122.7	54.9	33.8	25.6	18.1	13.1
20°	726.3	676.7	606.2	389.6	245.5	168.6	83.1	39.2	27.7	19.7	13.7
17.5°	871.5	767.7	661.8	465.0	308.4	214.6	115.7	45.0	29.8	21.3	14.3
15°	1094.8	822.4	712.0	532.1	362.8	260.4	151.5	51.1	31.9	22.8	14.9
12.5°	1297.7	873.2	761.6	591.0	409.6	305.5	189.5	57.4	33.9	24.1	15.4
10°	1487.5	920.3	809.7	641.8	449.6	349.5	228.3	63.9	36.5	25.2	15.9
7.5°	1659.4	963.6	855.3	684.9	480.7	378.2	254.5	70.3	39.2	26.0	16.3
5°	1794.8	997.8	892.9	715.5	492.6	389.1	275.2	76.4	41.9	26.8	16.7
2.5°	1839.7	1019.6	922.8	739.3	501.9	396.4	291.7	81.9	44.5	27.3	17.0
0°	1849.3	1037.4	947.2	756.3	508.3	400.7	303.6	86.7	46.8	27.7	17.3
-2.5°	1840.2	1039.4	948.3	770.8	528.2	413.0	314.3	108.1	61.7	36.1	21.4
-5°	1798.3	1038.1	944.5	778.2	544.6	422.9	320.9	128.3	75.9	44.2	25.3
-7.5°	1687.1	1024.0	931.5	777.3	556.7	430.5	324.0	147.0	89.1	51.7	28.9
-10°	1543.6	1000.4	907.1	760.8	564.6	439.7	325.1	163.9	101.0	58.4	32.2
-12.5°	1381.4	973.6	883.0	742.2	569.7	450.2	328.0	178.2	111.2	64.2	35.0
-15°	1204.2	943.5	860.5	723.1	572.2	458.3	327.8	189.9	119.9	69.8	37.2
-17.5°	1021.9	910.3	841.0	704.7	572.5	463.9	324.8	198.8	127.2	75.5	39.8
-20°	987.1	896.3	823.0	688.4	570.7	467.2	319.2	204.5	132.9	79.7	42.3



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	978.7	900.8	808.8	680.1	568.7	468.1	311.2	206.9	136.9	82.4	43.8
-25°	969.9	906.2	793.7	670.3	566.4	454.5	306.9	205.8	139.3	83.4	44.2
-27.5°	970.7	904.9	774.3	654.3	553.5	438.7	304.5	207.4	140.0	82.7	43.5
-30°	977.1	879.3	751.6	633.3	535.9	412.5	297.4	206.9	139.0	81.4	41.4
-32.5°	970.5	849.5	721.9	610.5	507.2	385.1	282.5	204.1	135.5	79.1	40.2
-35°	927.5	809.2	685.3	582.2	474.1	363.6	266.8	199.0	129.6	74.9	38.6
-37.5°	879.8	760.7	649.3	547.6	440.4	339.3	254.3	186.7	121.0	68.8	36.2
-40°	824.0	712.5	609.6	510.1	409.5	312.4	238.7	171.5	111.8	60.8	32.9
-42.5°	765.6	666.1	567.2	471.8	377.3	291.5	219.9	153.8	99.1	54.5	28.7
-45°	712.2	615.9	520.7	431.1	343.5	267.2	197.4	134.3	84.5	48.6	25.5
-47.5°	654.4	560.6	472.0	387.3	312.0	239.2	172.2	115.9	68.4	41.5	24.4
-50°	589.7	503.1	421.1	345.6	275.7	207.7	145.6	95.6	58.6	32.9	23.2
-52.5°	525.8	444.6	371.2	302.8	236.1	173.2	120.4	74.6	47.8	28.9	21.8
-55°	458.4	387.4	321.3	255.7	193.2	140.7	93.3	61.2	36.2	26.8	20.3
-57.5°	392.5	329.6	265.6	204.5	152.3	107.0	72.3	46.9	31.3	24.4	19.7
-60°	323.1	262.8	205.2	156.1	112.0	78.5	54.7	35.4	28.3	22.3	19.1
-62.5°	243.7	193.3	150.5	108.5	79.3	57.2	38.8	31.6	25.1	21.3	18.3
-65°	170.3	132.1	96.6	75.0	54.4	39.3	33.9	27.6	23.4	20.3	17.5
-67.5°	102.1	83.7	65.1	46.5	38.7	33.8	28.8	25.2	22.1	19.2	16.7
-70°	65.1	49.0	41.3	37.0	32.6	28.6	26.1	23.5	20.7	18.1	15.7
-72.5°	41.7	38.0	34.3	30.6	28.1	25.9	23.9	21.7	19.1	16.8	14.8
-75°	33.8	31.3	29.0	26.9	25.0	23.2	21.5	19.7	17.5	15.5	13.8
-77.5°	28.4	26.6	24.8	23.4	22.1	20.6	19.2	17.6	15.9	14.4	12.9
-80°	23.5	22.5	21.5	20.5	19.3	18.1	17.1	16.1	14.7	13.3	11.9
-82.5°	19.3	18.8	18.2	17.6	16.8	16.0	15.4	14.7	13.5	12.2	11.0
-85°	16.5	16.0	15.3	14.7	14.2	13.9	13.6	13.3	12.3	11.3	10.4
-87.5°	14.1	13.5	13.0	12.4	12.3	12.1	12.0	11.9	11.1	10.4	9.8
-90°	1.8	1.8	1.8	1.8	2.2	2.7	3.1	3.5	3.5	3.5	3.5



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.7	8.3	7.8	7.4	6.9	6.1	5.2
87.5°	3.9	4.2	4.5	4.8	5.2	5.2	5.2
85°	4.4	4.5	4.6	4.9	5.2	5.3	5.2
82.5°	4.8	4.8	4.8	4.9	5.2	5.3	5.2
80°	5.2	5.0	4.9	5.0	5.2	5.3	5.2
77.5°	5.2	5.2	5.1	5.1	5.2	5.4	5.2
75°	5.2	5.3	5.2	5.1	5.2	5.4	5.2
72.5°	5.3	5.5	5.4	5.2	5.2	5.5	5.2
70°	5.3	5.6	5.5	5.2	5.3	5.5	5.2
67.5°	5.4	5.7	5.7	5.4	5.3	5.5	5.2
65°	5.4	5.8	5.9	5.6	5.3	5.6	5.2
62.5°	5.5	5.9	6.1	5.7	5.4	5.6	5.2
60°	5.5	5.9	6.3	5.9	5.4	5.7	5.2
57.5°	5.9	5.9	6.3	6.1	5.6	5.7	5.2
55°	6.4	6.0	6.4	6.3	5.7	5.8	5.2
52.5°	6.8	6.1	6.4	6.5	5.8	5.8	5.2
50°	7.2	6.5	6.4	6.7	6.0	5.9	5.2
47.5°	7.6	6.8	6.5	6.8	6.1	5.9	5.2
45°	7.7	7.2	6.5	6.8	6.2	6.0	5.2
42.5°	7.8	7.5	6.6	6.9	6.3	6.0	5.2
40°	7.8	7.8	6.8	6.9	6.4	6.1	5.2
37.5°	7.9	8.1	7.0	7.0	6.5	6.1	5.2
35°	8.0	8.3	7.3	7.0	6.5	6.2	5.2
32.5°	8.3	8.4	7.5	7.1	6.6	6.2	5.2
30°	8.8	8.5	7.7	7.2	6.7	6.3	5.2
27.5°	9.3	8.5	7.9	7.3	6.7	6.4	5.2
25°	9.8	8.6	8.1	7.4	6.8	6.4	5.2
22.5°	10.3	8.7	8.3	7.5	6.8	6.5	5.2
20°	10.8	8.9	8.4	7.6	6.8	6.5	5.2
17.5°	11.3	9.0	8.5	7.7	6.9	6.6	5.2
15°	11.8	9.2	8.6	7.9	6.9	6.6	5.2
12.5°	12.3	9.4	8.6	8.0	6.9	6.7	5.2
10°	12.7	9.6	8.7	8.2	6.9	6.7	5.2
7.5°	13.0	9.8	8.7	8.3	6.9	6.8	5.2
5°	13.4	10.0	8.7	8.4	6.9	6.8	5.2
2.5°	13.7	10.2	8.7	8.6	6.9	6.9	5.2
0°	13.9	10.4	8.7	8.7	6.9	6.9	5.2
-2.5°	15.3	11.0	9.0	8.8	7.0	6.9	5.2
-5°	16.6	11.5	9.3	8.9	7.1	7.0	5.2
-7.5°	17.8	12.0	9.6	9.0	7.1	7.0	5.2
-10°	18.9	12.5	9.9	9.1	7.2	7.0	5.2
-12.5°	19.8	12.9	10.2	9.1	7.3	7.1	5.2
-15°	20.6	13.3	10.4	9.2	7.4	7.1	5.2
-17.5°	21.1	13.7	10.6	9.2	7.4	7.1	5.2
-20°	21.8	13.9	10.8	9.3	7.5	7.1	5.2



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	22.6	14.2	11.0	9.3	7.6	7.1	5.2
-25°	23.0	14.4	11.1	9.3	7.7	7.1	5.2
-27.5°	22.8	14.6	11.2	9.3	7.7	7.1	5.2
-30°	22.1	14.7	11.3	9.3	7.8	7.1	5.2
-32.5°	20.8	14.6	11.4	9.3	7.9	7.1	5.2
-35°	20.2	14.5	11.5	9.2	7.9	7.1	5.2
-37.5°	20.1	14.4	11.5	9.2	8.0	7.1	5.2
-40°	19.7	14.4	11.5	9.1	8.1	7.1	5.2
-42.5°	19.2	14.4	11.5	9.1	8.1	7.1	5.2
-45°	18.5	14.4	11.5	9.1	8.2	7.0	5.2
-47.5°	17.7	14.3	11.4	9.0	8.2	7.0	5.2
-50°	17.4	14.1	11.3	9.1	8.3	7.0	5.2
-52.5°	17.1	13.9	11.2	9.1	8.3	6.9	5.2
-55°	16.8	13.7	11.0	9.2	8.4	6.9	5.2
-57.5°	16.4	13.4	10.8	9.2	8.4	6.9	5.2
-60°	15.9	13.1	10.6	9.2	8.5	6.8	5.2
-62.5°	15.4	12.7	10.5	9.2	8.4	6.8	5.2
-65°	14.8	12.3	10.4	9.2	8.3	6.7	5.2
-67.5°	14.2	11.9	10.2	9.1	8.1	6.7	5.2
-70°	13.6	11.5	10.0	9.1	8.0	6.6	5.2
-72.5°	12.9	11.1	9.8	8.9	7.9	6.5	5.2
-75°	12.1	10.6	9.5	8.7	7.8	6.5	5.2
-77.5°	11.3	10.1	9.3	8.5	7.6	6.4	5.2
-80°	10.5	9.7	9.0	8.3	7.5	6.3	5.2
-82.5°	10.0	9.3	8.7	8.0	7.4	6.3	5.2
-85°	9.6	9.0	8.4	7.8	7.2	6.2	5.2
-87.5°	9.1	8.6	8.1	7.6	7.1	6.1	5.2
-90°	3.5	3.9	4.4	4.8	5.2	5.2	5.2

(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

