

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: P701701 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-1S-CV5-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701701 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680R-57-70-1S-CV5-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 1S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

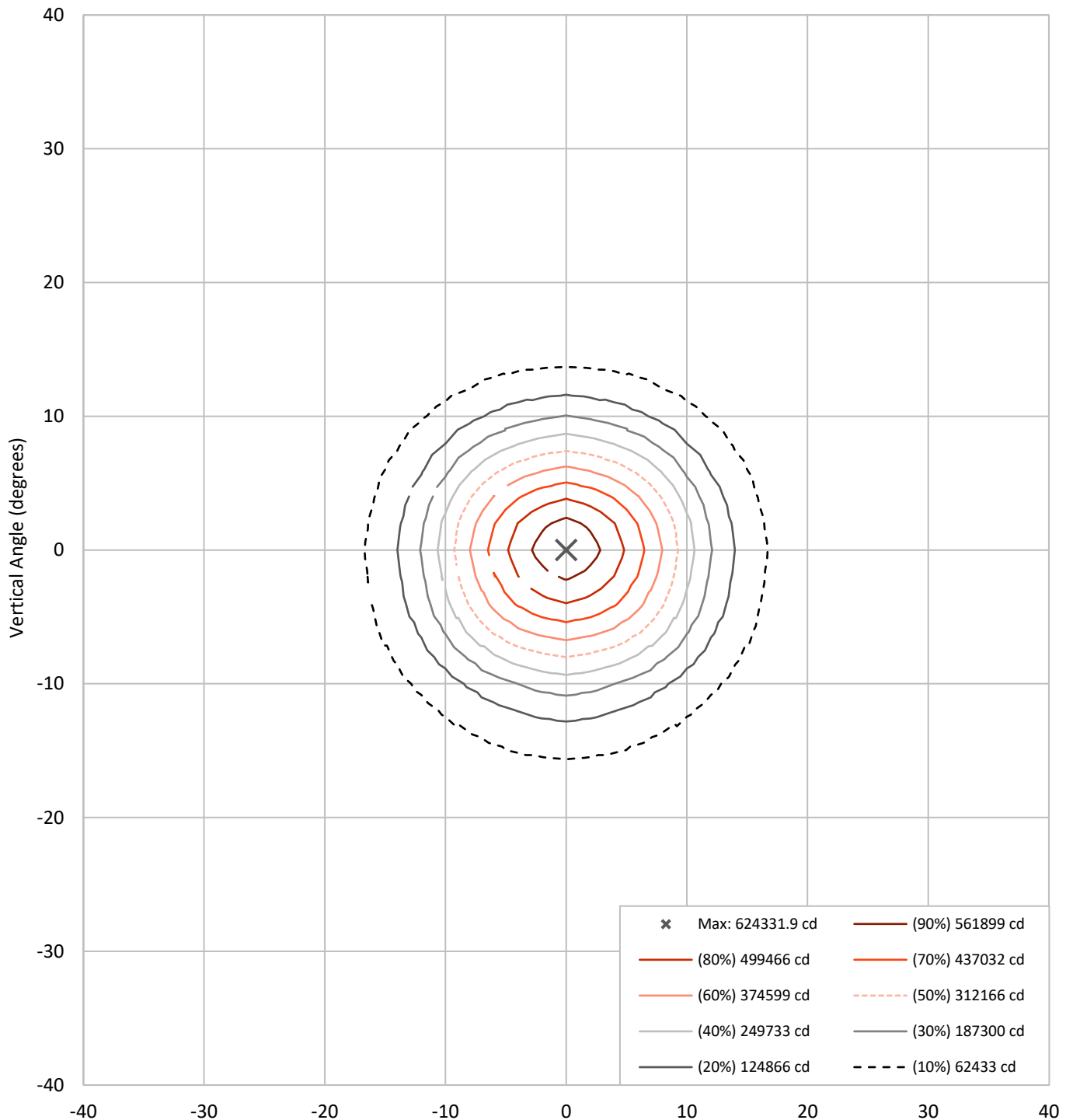
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	64187.3 lumens	Max Intensity:	624331.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	88.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.6°H x 15.4°V	Field Angle (10%):	33.2°H x 29.1°V
Beam Lumens:	29602.4 lumens	Field Lumens:	54613.3 lumens
Beam Efficiency:	46.1%	Field Efficiency:	85.1%

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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CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV5-S

### Iso-Candela Plot





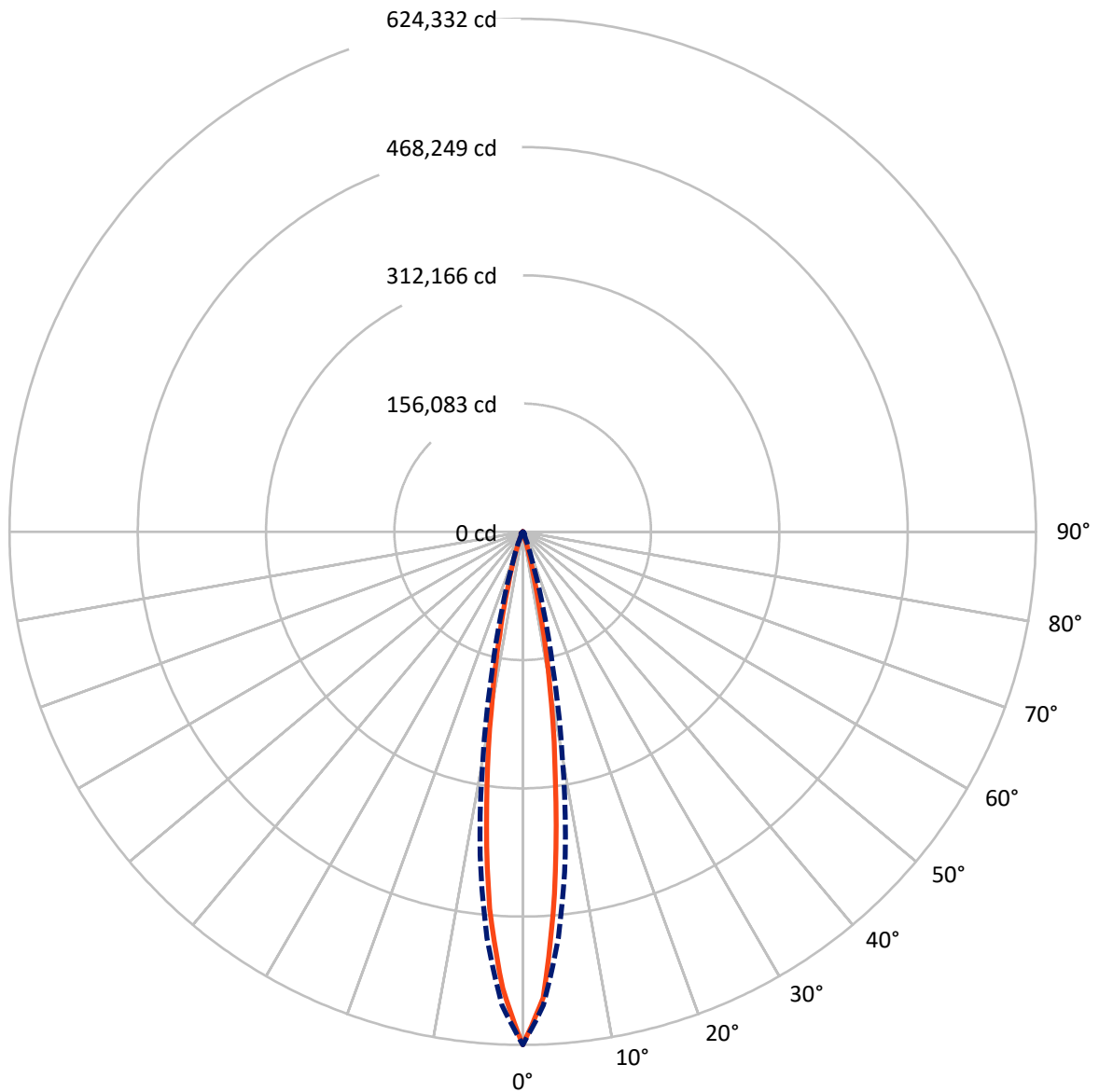
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### Lumen Table

90	0.2	0.5		0.7		0.8		1.0		0.8		0.7		0.5		0.2
80	0.2	0.5		0.7		0.8		1.0		0.8		0.7		0.5		0.2
70	0.2	0.1	0.2	0.6	0.8	0.5	0.4	0.3	0.3	0.4	0.5	0.8	0.6	0.2	0.1	0.2
60		0.2	0.4	0.7	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.7	0.4	0.2	
50	0.3	0.3	0.5	0.4	0.5	0.6	0.6	0.7	0.7	0.6	0.6	0.5	0.4	0.5	0.3	0.3
40		0.3	0.7	1.0	1.7	2.4	2.5	2.9	2.9	2.5	2.4	1.7	1.0	0.7	0.3	
30	0.4	0.6	1.6	3.8	7.2	8.1	11.6	23.3	23.3	11.6	8.1	7.2	3.8	1.6	0.6	0.4
20		1.3	5.2	17.5	32.7	43.4	321.8	1340.3	1340.3	321.8	43.4	32.7	17.5	5.2	1.3	
10	0.4	2.1	10.3	44.1	71.4	162.3	2361.0	10230.9	10230.9	2361.0	162.3	71.4	44.1	10.3	2.1	0.4
0		2.6	12.0	50.8	83.6	166.3	2533.9	10693.6	10693.6	2533.9	166.3	83.6	50.8	12.0	2.6	
-10	0.6	2.8	10.5	38.3	69.1	76.1	540.4	2099.0	2099.0	540.4	76.1	69.1	38.3	10.5	2.8	0.6
-20		2.7	9.1	21.5	55.6	64.3	71.0	138.2	138.2	71.0	64.3	55.6	21.5	9.1	2.7	
-30	0.5	2.4	7.7	13.7	34.0	64.3	75.2	75.9	75.9	75.2	64.3	34.0	13.7	7.7	2.4	0.5
-40		1.6	5.7	11.8	18.4	32.5	54.8	71.9	71.9	54.8	32.5	18.4	11.8	5.7	1.6	
-50	0.3	0.8	3.2	7.7	13.8	19.0	22.5	25.0	25.0	22.5	19.0	13.8	7.7	3.2	0.8	0.3
-60		0.4	1.1	3.1	6.1	9.5	12.6	14.9	14.9	12.6	9.5	6.1	3.1	1.1	0.4	
-70	0.2	1.1		2.8		6.7		11.3		6.7		2.8		1.1		0.2
-80		1.1		2.8		6.7		11.3		6.7		2.8		1.1		
-90	0.2	1.1		2.8		6.7		11.3		6.7		2.8		1.1		0.2

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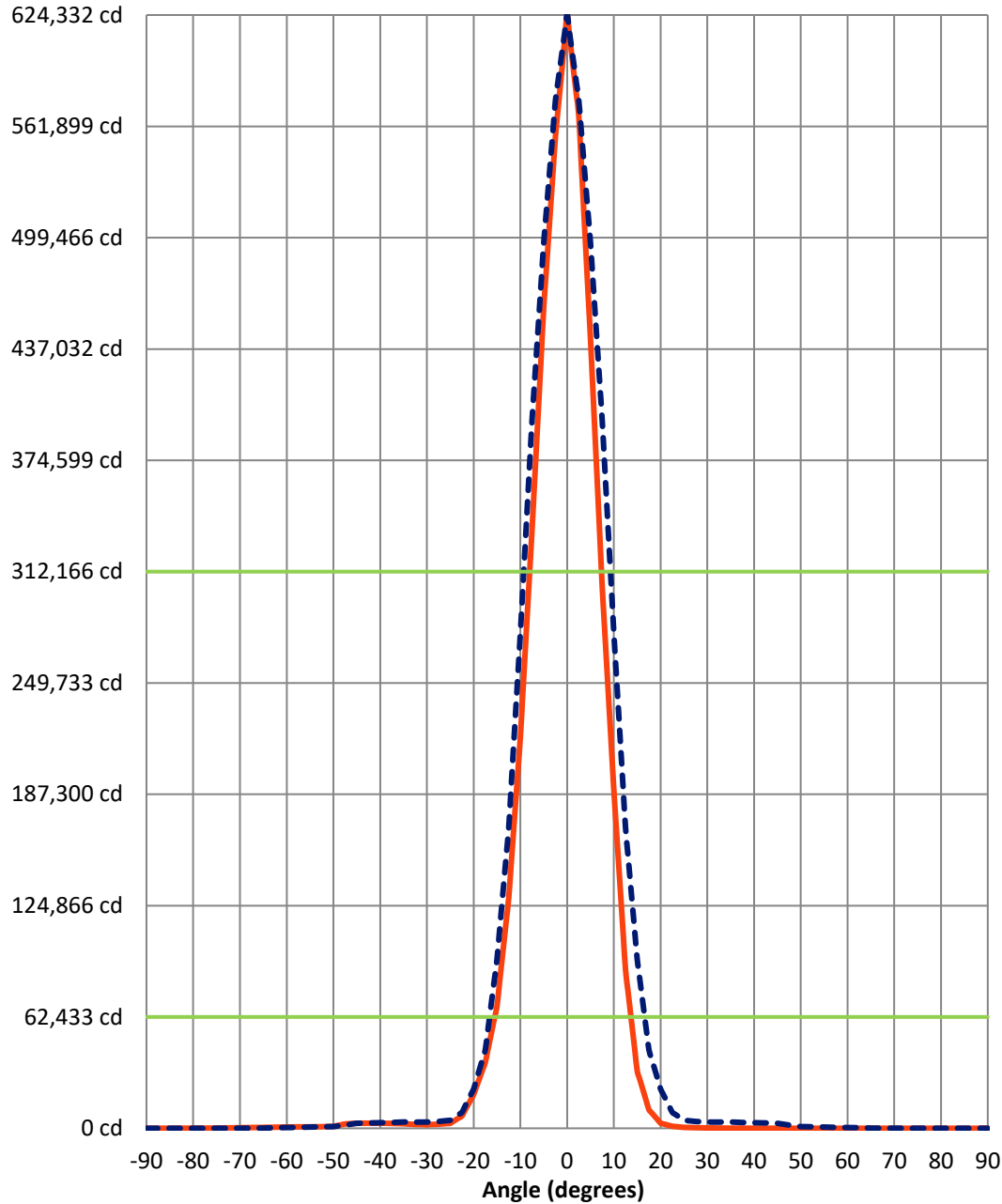
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 18.6°  
V Angle: 15.4°  
Lumens: 29602.4  
Efficiency: 46.1%

**Field:**  
H Angle: 33.2°  
V Angle: 29.1°  
Lumens: 54613.3  
Efficiency: 85.1%

**Spill:**  
Lumens: 9574  
Efficiency: 14.9%

— 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°	7.9	7.9	7.9	8.3	8.7	9.1	9.5	9.5	9.5	9.5	9.5
87.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
85°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
82.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
80°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
77.5°	7.9	7.9	7.9	7.9	7.9	8.0	7.9	7.9	7.9	7.9	7.9
75°	7.9	7.9	7.9	7.9	8.0	8.2	8.0	7.9	7.9	8.0	8.0
72.5°	7.9	7.9	7.9	7.9	8.2	8.4	8.1	8.0	8.2	8.3	8.1
70°	7.9	7.9	7.9	8.0	8.5	8.6	8.2	8.4	8.6	8.5	8.6
67.5°	7.9	7.9	7.9	8.3	8.9	8.9	8.7	8.8	8.9	9.1	9.3
65°	7.9	7.9	7.9	8.6	9.2	9.2	9.2	9.2	9.5	9.8	9.9
62.5°	7.9	7.9	7.9	8.9	9.5	9.6	9.6	9.7	10.1	10.3	10.1
60°	7.9	7.9	7.9	9.3	9.9	10.0	10.1	10.2	10.6	10.7	10.4
57.5°	7.9	7.9	8.1	9.6	10.2	10.4	10.6	10.7	11.1	11.1	11.0
55°	7.9	7.9	8.3	9.9	10.5	10.8	11.2	11.3	11.5	11.6	11.8
52.5°	7.9	7.9	8.5	10.3	10.8	11.2	11.8	12.0	12.1	12.3	12.5
50°	7.9	7.9	8.7	10.6	11.1	11.7	12.4	12.7	12.6	13.0	14.5
47.5°	7.9	7.9	8.9	11.0	11.4	12.2	13.0	13.5	13.2	13.7	16.5
45°	7.9	7.9	9.0	11.2	11.7	12.8	13.8	14.4	14.2	15.3	18.3
42.5°	7.9	7.9	9.2	11.4	12.0	13.3	14.6	15.4	15.3	16.8	20.2
40°	7.9	7.9	9.3	11.5	12.4	13.9	15.5	16.4	16.7	18.3	21.9
37.5°	7.9	7.9	9.4	11.6	12.8	14.5	16.4	17.5	18.5	20.4	23.2
35°	7.9	7.9	9.5	11.6	13.3	15.2	17.3	18.6	20.3	22.7	24.2
32.5°	7.9	7.9	9.6	11.6	13.7	15.9	18.2	19.9	22.1	25.2	26.8
30°	7.9	7.9	9.7	11.7	14.2	16.6	19.2	21.2	23.8	27.8	29.8
27.5°	7.9	7.9	9.7	11.7	14.3	17.4	20.3	22.7	25.7	30.6	33.2
25°	7.9	7.9	9.7	11.7	14.3	18.1	21.3	24.1	28.0	33.5	36.9
22.5°	7.9	7.9	9.8	11.7	14.3	18.7	22.3	25.5	30.3	36.5	42.6
20°	7.9	7.9	9.8	11.6	14.3	18.6	23.4	26.8	32.7	39.7	48.7
17.5°	7.9	7.9	9.8	11.6	14.2	18.5	23.6	28.1	35.2	42.9	55.1
15°	7.9	7.9	9.8	11.6	14.0	18.3	23.2	28.7	37.6	46.3	61.7
12.5°	7.9	7.9	9.8	11.5	13.9	18.0	22.7	28.3	38.6	49.6	68.4
10°	7.9	7.9	9.7	11.4	13.7	17.7	22.1	27.8	38.6	51.2	74.9
7.5°	7.9	7.9	9.7	11.4	13.5	17.3	21.4	27.3	38.3	52.5	80.8
5°	7.9	7.9	9.6	11.3	13.2	16.9	20.7	26.8	37.9	53.7	86.6
2.5°	7.9	7.9	9.6	11.2	13.0	16.4	19.9	26.1	37.3	54.8	92.1
0°	7.9	7.9	9.5	11.1	12.7	15.9	19.1	25.4	36.5	55.6	96.9
-2.5°	7.9	7.9	9.5	11.1	12.8	16.1	19.9	28.1	43.0	66.6	112.0
-5°	7.9	8.0	9.5	11.1	13.0	16.2	20.7	30.6	49.2	77.0	126.0
-7.5°	7.9	8.0	9.5	11.1	13.1	16.3	21.4	32.9	54.9	86.6	138.8
-10°	7.9	8.0	9.5	11.0	13.1	16.4	21.9	34.9	59.8	95.2	150.1
-12.5°	7.9	8.1	9.4	11.0	13.2	16.4	22.4	36.5	63.9	102.8	160.7
-15°	7.9	8.1	9.4	10.9	13.2	16.4	22.7	37.6	68.0	110.7	170.1
-17.5°	7.9	8.1	9.4	10.9	13.2	16.4	22.8	39.4	72.4	117.3	177.3
-20°	7.9	8.2	9.4	10.8	13.1	16.3	23.1	41.4	75.6	122.4	182.4



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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.9	8.2	9.3	10.7	13.1	16.2	23.7	42.6	77.4	126.0	185.1
-25°	7.9	8.2	9.3	10.6	12.9	16.3	24.0	42.7	77.9	128.0	185.4
-27.5°	7.9	8.2	9.3	10.6	12.8	16.5	23.9	41.8	76.8	128.3	186.9
-30°	7.9	8.2	9.3	10.5	12.6	16.6	23.3	39.8	75.3	126.8	186.4
-32.5°	7.9	8.3	9.3	10.3	12.6	16.6	22.2	38.7	73.0	123.2	183.8
-35°	7.9	8.3	9.3	10.2	12.5	16.4	21.7	37.4	69.0	117.5	178.8
-37.5°	7.9	8.3	9.2	10.1	12.4	16.3	21.5	35.4	63.4	109.5	165.3
-40°	7.9	8.3	9.2	10.0	12.2	16.1	21.2	32.7	56.2	101.1	149.7
-42.5°	7.9	8.3	9.2	9.9	12.1	15.9	20.7	29.2	50.7	88.7	132.6
-45°	7.9	8.3	9.2	9.8	12.1	15.6	20.1	26.5	45.9	74.9	114.4
-47.5°	7.9	8.3	9.2	9.8	12.0	15.2	19.4	25.6	40.0	60.2	97.7
-50°	7.9	8.3	9.2	9.8	11.9	14.8	18.8	24.4	32.7	51.8	79.8
-52.5°	7.9	8.3	9.2	9.9	11.8	14.4	18.2	23.1	29.0	42.9	61.8
-55°	7.9	8.3	9.3	10.0	11.7	14.1	17.6	21.7	26.9	33.6	51.3
-57.5°	7.9	8.3	9.3	10.0	11.5	13.9	16.9	20.8	24.7	29.5	40.2
-60°	7.9	8.2	9.3	10.0	11.3	13.5	16.2	19.7	22.7	27.0	31.5
-62.5°	7.9	8.2	9.2	10.0	11.2	13.2	15.7	18.6	21.4	24.4	28.6
-65°	7.9	8.2	9.1	9.9	11.0	12.8	15.2	17.5	20.0	22.7	25.7
-67.5°	7.9	8.2	9.0	9.9	10.9	12.4	14.6	16.7	18.7	21.1	23.5
-70°	7.9	8.2	8.9	9.8	10.7	12.1	14.0	15.9	17.7	19.5	21.7
-72.5°	7.9	8.1	8.8	9.7	10.5	11.7	13.3	15.1	16.8	18.4	20.0
-75°	7.9	8.1	8.7	9.5	10.3	11.3	12.7	14.2	15.8	17.3	18.8
-77.5°	7.9	8.1	8.6	9.3	10.0	10.8	11.9	13.2	14.6	16.1	17.6
-80°	7.9	8.0	8.4	9.1	9.8	10.4	11.2	12.2	13.3	14.5	15.9
-82.5°	7.9	8.0	8.3	8.9	9.5	10.1	10.7	11.3	12.0	12.9	13.9
-85°	7.9	8.0	8.2	8.7	9.2	9.8	10.3	10.7	11.1	11.6	12.2
-87.5°	7.9	7.9	8.0	8.5	9.0	9.4	9.9	10.1	10.3	10.6	10.9
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9





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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°	9.5	9.5	9.5	9.5	9.9	10.3	10.7	11.1	11.1	11.1	11.1
87.5°	7.5	7.2	6.8	6.4	6.0	5.6	5.2	4.8	4.8	4.8	4.8
85°	7.5	7.2	6.8	6.4	6.1	5.8	5.6	5.5	5.4	5.2	5.0
82.5°	7.6	7.2	6.8	6.4	6.3	6.3	6.4	6.4	6.0	5.6	5.2
80°	7.6	7.2	7.0	6.9	6.9	6.9	6.7	6.5	6.1	5.8	5.5
77.5°	7.7	7.6	7.6	7.7	7.6	7.4	7.2	7.2	7.1	7.0	6.8
75°	7.8	7.9	8.0	8.0	7.8	7.8	7.9	7.9	7.8	7.6	7.6
72.5°	8.2	8.4	8.3	8.1	7.9	7.9	7.9	7.9	8.9	10.3	11.6
70°	8.8	8.9	8.6	8.2	7.9	8.4	10.2	12.3	14.5	16.7	19.5
67.5°	9.4	9.0	8.6	8.5	9.8	11.9	14.3	20.1	27.2	30.2	31.4
65°	9.5	9.1	9.5	10.7	12.5	16.7	23.0	31.3	40.1	41.7	40.8
62.5°	9.6	9.9	11.0	13.3	16.7	22.3	30.4	39.6	49.7	49.9	43.6
60°	10.3	10.9	13.4	17.0	21.0	27.3	36.6	43.7	51.1	54.1	41.3
57.5°	11.1	12.8	16.5	20.9	26.1	30.6	35.7	42.5	45.5	45.3	33.5
55°	12.6	15.4	20.0	25.5	29.3	28.3	31.7	34.1	34.6	32.2	23.3
52.5°	15.1	18.4	24.1	28.9	29.6	26.7	24.8	26.0	24.4	20.8	18.1
50°	17.5	22.1	27.9	30.9	29.2	23.9	19.8	20.0	18.8	17.3	15.5
47.5°	20.2	25.5	31.0	32.3	26.8	22.9	19.2	17.8	17.0	16.3	14.9
45°	22.8	28.0	33.8	30.2	26.0	23.7	20.8	17.5	17.5	17.0	16.9
42.5°	24.9	29.8	32.3	28.4	27.8	26.1	23.6	20.5	19.2	19.9	20.4
40°	26.3	31.2	31.0	31.1	30.5	29.5	27.8	25.3	22.6	24.4	25.3
37.5°	27.3	31.0	32.0	35.5	34.3	34.0	32.9	33.2	31.3	30.4	34.1
35°	27.8	31.8	37.3	41.4	40.8	39.5	41.6	42.8	42.2	40.9	46.9
32.5°	28.7	33.4	44.0	48.4	50.0	49.2	51.8	54.2	56.8	59.9	69.5
30°	31.7	39.5	51.6	56.4	61.4	67.1	65.8	67.7	74.8	97.3	118.3
27.5°	37.8	47.6	59.2	67.0	75.9	89.1	92.0	88.6	110.2	146.1	183.6
25°	44.7	71.6	67.4	79.6	97.3	115.6	125.5	133.3	162.9	215.5	254.8
22.5°	58.4	103.4	102.7	93.4	121.5	146.2	170.0	222.7	297.5	321.5	329.2
20°	81.7	135.1	145.1	148.3	157.9	180.4	220.9	344.7	494.3	550.5	490.3
17.5°	109.2	169.8	191.8	215.9	245.4	252.1	286.5	491.5	739.1	823.8	824.1
15°	139.8	207.0	241.4	290.3	338.8	369.4	483.6	731.2	1003.9	1138.1	1214.7
12.5°	172.7	246.0	293.2	369.7	436.7	490.4	739.7	1134.7	1388.3	1505.4	1728.8
10°	206.6	286.1	346.5	452.6	537.8	613.9	1027.7	1565.1	1812.2	1926.8	2182.1
7.5°	240.4	323.5	398.4	537.0	640.4	738.3	1334.3	2009.8	2221.2	2323.3	2531.3
5°	272.9	356.7	439.5	601.1	721.6	840.2	1612.5	2452.9	2617.5	2699.9	2817.3
2.5°	302.8	388.2	479.0	658.7	786.8	904.5	1733.4	2647.3	2828.0	2951.6	3051.7
0°	328.8	417.7	516.2	711.5	848.1	964.0	1821.6	2807.9	2998.5	3146.2	3266.9
-2.5°	330.0	423.9	528.4	709.3	834.4	954.4	1737.3	2771.6	3057.0	3278.6	3459.5
-5°	326.9	427.5	537.3	702.5	817.5	940.1	1626.4	2684.5	3068.9	3304.8	3489.7
-7.5°	320.4	428.5	542.5	690.1	792.5	903.9	1529.5	2506.8	2930.1	3132.2	3328.5
-10°	311.8	426.0	534.8	661.4	756.4	854.1	1406.3	2300.1	2787.9	2961.5	3143.8
-12.5°	304.4	421.1	523.3	633.1	719.8	803.0	1245.0	2072.7	2647.0	2798.2	2943.7
-15°	295.7	414.5	510.3	606.7	683.5	751.4	1043.7	1832.2	2509.3	2679.0	2791.6
-17.5°	286.5	406.5	496.3	583.5	648.3	700.2	805.4	1543.1	2279.9	2538.7	2670.4
-20°	277.2	397.4	481.6	564.8	615.1	664.1	734.6	1248.6	1922.3	2369.4	2537.6



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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°	268.6	387.3	467.2	545.7	597.4	640.9	697.2	961.9	1544.5	2177.8	2380.7
-25°	265.4	371.6	453.1	527.2	584.4	618.9	658.8	721.2	1195.7	1797.6	2204.4
-27.5°	264.5	358.6	436.5	507.7	574.0	600.2	630.8	678.3	921.4	1407.6	1987.1
-30°	260.4	340.0	418.3	487.3	554.1	589.7	608.9	646.5	711.7	1085.2	1560.5
-32.5°	248.4	320.1	396.4	465.4	530.5	583.4	598.2	629.8	677.9	784.7	1170.4
-35°	233.3	301.4	372.8	441.9	506.1	565.1	598.1	616.7	648.9	699.8	873.1
-37.5°	219.1	281.2	348.4	416.2	478.9	538.6	596.2	612.6	634.2	670.5	736.6
-40°	202.6	259.8	324.5	388.8	449.4	508.5	565.2	613.3	626.2	662.9	709.1
-42.5°	183.7	239.0	299.7	359.9	416.5	474.5	531.5	585.3	635.8	661.0	696.7
-45°	163.0	215.6	273.6	327.4	380.3	436.9	492.6	548.6	613.7	672.3	696.2
-47.5°	140.5	190.0	244.1	292.5	341.9	394.4	450.1	509.1	574.6	639.4	706.4
-50°	117.4	163.2	210.2	256.1	301.4	349.5	400.7	462.9	525.4	590.2	655.2
-52.5°	96.2	134.5	176.7	218.9	260.5	302.8	351.9	408.0	468.4	530.5	588.2
-55°	73.8	107.9	142.3	181.2	220.1	257.8	301.2	351.9	404.1	461.4	513.7
-57.5°	57.4	81.2	110.8	142.5	178.5	214.9	254.5	295.1	341.5	389.6	432.8
-60°	44.4	59.8	81.2	107.9	135.6	170.1	207.2	244.2	281.6	317.0	353.9
-62.5°	32.7	44.9	58.4	75.6	99.5	125.1	156.9	190.7	224.9	254.9	281.8
-65°	29.4	32.8	42.3	54.2	65.5	88.1	112.0	135.9	165.3	191.6	216.1
-67.5°	26.1	29.2	32.2	36.9	47.5	59.3	71.5	92.4	113.3	131.6	149.8
-70°	23.8	25.7	28.2	30.9	33.7	39.1	49.5	60.2	70.9	83.7	99.6
-72.5°	21.7	23.4	25.1	26.7	29.2	32.1	35.1	38.2	44.5	53.0	61.8
-75°	20.0	21.2	22.6	24.0	25.6	27.4	29.3	31.9	34.4	36.6	38.5
-77.5°	18.5	19.3	20.3	21.4	22.6	24.0	25.4	27.0	28.5	30.2	32.0
-80°	16.7	17.5	18.1	18.8	19.7	20.6	21.6	22.6	23.4	24.3	25.3
-82.5°	14.5	15.1	15.6	16.1	16.7	17.1	17.6	18.2	18.5	18.8	19.2
-85°	12.5	12.7	13.1	13.4	13.7	14.1	14.4	14.7	14.6	14.5	14.3
-87.5°	11.0	11.1	11.2	11.3	11.6	11.8	12.0	12.2	12.0	11.7	11.4
-90°	7.5	7.2	6.8	6.4	6.0	5.6	5.2	4.8	4.8	4.8	4.8



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	11.1	11.1	11.1	11.1	11.1	15.5	19.8	24.2	28.6	39.3	50.0
87.5°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.6	1.6
85°	4.8	4.4	4.0	3.6	3.2	3.1	3.1	3.1	3.1	2.8	2.4
82.5°	4.8	4.6	4.5	4.4	4.4	4.1	3.9	3.6	3.2	2.8	2.4
80°	5.3	5.3	5.2	5.0	4.8	4.4	4.0	3.6	3.2	3.2	3.2
77.5°	6.6	6.4	6.0	5.5	4.9	4.7	4.6	4.5	4.5	4.3	4.0
75°	7.8	7.7	7.5	7.1	6.5	6.3	6.3	6.3	6.1	5.8	5.5
72.5°	12.6	12.8	12.2	11.7	10.8	10.4	10.5	10.4	10.1	10.0	9.9
70°	21.0	21.3	20.6	19.0	16.7	15.0	14.4	13.6	12.6	12.8	13.6
67.5°	30.4	28.3	26.1	23.5	20.0	17.5	16.3	14.9	13.4	12.6	12.3
65°	36.9	29.2	24.9	22.0	20.1	18.2	16.1	14.2	12.5	11.3	10.7
62.5°	35.2	24.9	20.4	18.4	16.8	15.4	13.4	11.5	9.9	8.9	8.9
60°	30.2	20.9	16.0	14.3	12.7	11.2	10.1	9.2	8.4	8.0	8.5
57.5°	23.6	16.4	12.6	12.0	11.1	10.0	9.4	9.1	8.5	7.9	8.4
55°	17.2	14.4	12.8	12.3	11.8	11.4	10.8	10.0	9.4	8.9	9.2
52.5°	14.9	14.0	14.0	13.7	12.8	11.9	11.0	10.9	10.7	10.5	10.7
50°	14.5	14.4	14.5	14.0	13.3	12.8	12.6	12.5	12.3	12.2	12.2
47.5°	14.9	15.1	15.1	14.4	14.2	14.4	14.3	14.2	14.4	14.6	14.9
45°	16.3	16.9	17.0	17.3	16.8	17.3	17.3	17.2	19.8	20.1	18.9
42.5°	19.9	22.0	23.5	23.0	21.0	25.1	31.4	34.1	31.3	27.2	24.6
40°	28.3	31.0	32.0	34.1	42.5	48.9	43.0	37.1	34.5	36.6	38.5
37.5°	39.5	43.0	53.1	65.9	61.2	49.8	51.1	51.6	50.4	53.8	54.3
35°	57.7	74.2	86.3	82.5	76.7	75.5	78.3	79.2	71.5	75.0	76.2
32.5°	92.6	112.5	113.5	108.4	111.2	111.8	119.5	114.3	107.8	111.0	119.8
30°	133.7	153.5	160.6	151.4	134.6	144.1	152.1	149.6	154.3	167.9	182.2
27.5°	198.0	210.8	222.6	204.2	170.8	185.5	191.2	185.4	217.0	234.1	267.9
25°	274.7	289.1	298.4	282.9	260.0	248.1	266.1	279.6	318.2	355.9	408.8
22.5°	358.1	396.9	408.0	367.9	367.8	367.6	374.6	420.6	472.6	555.7	695.2
20°	455.4	532.6	594.3	553.5	501.1	536.5	580.2	636.6	784.9	1161.9	1590.6
17.5°	800.3	746.2	859.8	863.5	788.2	870.8	1027.9	1230.3	1855.8	3779.4	5040.3
15°	1361.8	1304.8	1234.1	1237.9	1312.2	1474.1	1795.7	2915.7	5678.8	9784.2	14027.1
12.5°	1935.1	1849.5	1745.6	1718.0	1880.4	2206.4	3723.7	8332.6	14838.5	21923.3	40097.5
10°	2387.4	2341.9	2245.9	2317.6	2588.8	3546.1	6649.1	14643.0	28068.0	51540.0	80502.1
7.5°	2652.8	2635.5	2661.3	2871.6	3313.8	5834.0	12656.7	24539.3	46662.0	82231.0	134408.8
5°	2919.3	2933.8	3012.2	3301.4	3867.5	7420.8	17863.4	34100.5	67563.3	119847.6	200648.5
2.5°	3214.5	3227.9	3333.2	3697.5	4345.1	7668.9	19102.6	40189.5	85664.4	154179.8	261287.0
0°	3554.3	3478.1	3509.8	3841.8	4510.4	8944.6	22045.3	44071.6	94808.8	168440.9	277684.5
-2.5°	3675.0	3511.9	3482.1	3762.4	4348.5	7926.5	19692.9	40982.4	87079.8	154312.9	258932.0
-5°	3593.1	3370.3	3281.1	3510.4	4066.7	6950.4	16558.6	37291.1	77313.5	132007.2	219408.8
-7.5°	3389.6	3175.9	3044.5	3217.1	3702.8	5727.2	12683.7	28239.3	56275.3	97671.0	155862.9
-10°	3214.9	3010.1	2809.8	2865.1	3201.5	4263.1	7896.2	18497.2	37180.3	65930.6	99093.3
-12.5°	3063.6	2892.1	2592.2	2501.0	2689.5	3187.8	5511.1	12607.6	23782.3	37400.2	60646.6
-15°	2907.2	2766.6	2467.1	2322.9	2390.1	2632.8	3262.1	6055.6	13022.1	22166.0	32180.3
-17.5°	2733.7	2637.2	2457.1	2244.1	2152.9	2250.5	2551.2	3413.8	5787.0	11485.7	17729.9
-20°	2616.1	2562.5	2430.3	2243.3	2126.2	2081.1	2185.4	2449.6	3032.4	5216.6	7906.6



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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°	2468.9	2446.6	2357.4	2303.9	2218.2	2121.5	2030.0	2111.9	2305.4	2603.0	3532.6
-25°	2329.6	2334.9	2340.8	2411.3	2397.5	2262.3	2088.8	1964.7	2029.7	2123.0	2311.2
-27.5°	2175.4	2251.9	2370.8	2503.3	2564.9	2450.5	2246.1	2059.9	2004.4	1949.9	2029.4
-30°	2040.0	2195.9	2323.1	2485.0	2591.2	2557.1	2451.7	2326.2	2190.2	2095.6	2064.6
-32.5°	1690.6	2122.6	2240.3	2370.5	2529.1	2579.5	2567.5	2519.3	2461.1	2394.5	2325.5
-35°	1313.9	1793.5	2188.1	2263.0	2366.7	2516.2	2633.9	2642.1	2634.5	2610.1	2591.6
-37.5°	927.9	1384.4	1800.1	2133.8	2258.2	2357.9	2538.1	2675.9	2754.2	2748.0	2749.9
-40°	770.5	896.3	1314.5	1700.2	1986.1	2252.7	2396.5	2576.8	2720.1	2778.6	2823.1
-42.5°	743.3	792.0	842.1	1131.4	1499.4	1822.0	2070.0	2298.9	2501.3	2645.6	2760.2
-45°	724.2	757.2	795.1	843.1	894.9	1183.0	1503.5	1801.5	1996.2	2191.0	2394.4
-47.5°	723.4	731.5	758.3	792.2	825.1	871.8	925.4	998.0	1213.6	1409.3	1615.9
-50°	701.8	734.5	743.5	753.9	775.0	800.6	825.9	852.0	876.6	892.1	913.1
-52.5°	638.0	680.3	719.8	750.7	758.8	766.5	773.8	790.8	807.2	820.9	836.4
-55°	560.9	605.7	649.3	684.8	716.7	746.9	769.5	773.1	778.1	784.1	793.5
-57.5°	477.6	521.1	562.3	599.5	634.5	667.0	690.4	707.9	724.2	739.7	759.7
-60°	391.7	430.2	467.8	503.8	538.3	571.1	592.7	610.4	625.8	641.0	661.7
-62.5°	307.5	337.0	371.1	403.6	433.6	461.8	484.2	503.1	518.9	534.8	554.0
-65°	239.1	261.1	286.3	310.0	332.2	358.3	382.4	402.3	418.2	433.8	450.9
-67.5°	170.6	191.0	214.6	236.6	257.2	277.1	297.4	316.4	334.1	352.0	369.8
-70°	114.0	128.4	145.5	164.2	183.5	201.6	218.9	235.6	251.4	267.3	282.6
-72.5°	70.7	79.7	89.1	101.6	114.6	127.2	139.6	151.9	164.1	178.4	192.6
-75°	40.3	43.9	51.2	58.1	64.6	70.7	76.1	80.6	84.3	92.7	101.9
-77.5°	33.9	35.7	37.5	39.4	41.3	43.9	46.8	49.8	52.8	59.6	67.1
-80°	26.4	27.6	28.9	30.2	31.6	33.6	35.7	37.6	39.4	44.4	49.7
-82.5°	19.5	20.1	20.6	21.1	21.6	23.1	24.7	26.2	27.7	31.8	36.0
-85°	14.2	14.4	14.6	14.8	15.0	16.3	17.6	19.0	20.3	24.3	28.4
-87.5°	11.1	11.1	11.1	11.1	11.1	12.5	13.9	15.1	16.3	20.7	25.0
-90°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.6	1.6



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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°	60.8	71.5	60.3	49.2	60.3	71.5	60.8	50.0	39.3	28.6	24.2
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
85°	2.0	1.6	1.6	1.6	1.6	1.6	2.0	2.4	2.8	3.1	3.1
82.5°	2.0	1.6	2.4	3.2	2.4	1.6	2.0	2.4	2.8	3.2	3.6
80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.6
77.5°	3.6	3.2	3.2	3.2	3.2	3.2	3.6	4.0	4.3	4.5	4.5
75°	5.2	4.8	4.8	4.8	4.8	4.8	5.2	5.5	5.8	6.1	6.3
72.5°	9.7	9.4	9.5	9.5	9.5	9.4	9.7	9.9	10.0	10.1	10.4
70°	14.6	15.6	15.8	15.9	15.8	15.6	14.6	13.6	12.8	12.6	13.6
67.5°	11.9	11.3	11.1	11.1	11.1	11.3	11.9	12.3	12.6	13.4	14.9
65°	10.2	9.6	9.5	9.5	9.5	9.6	10.2	10.7	11.3	12.5	14.2
62.5°	9.1	9.4	9.5	9.5	9.5	9.4	9.1	8.9	8.9	9.9	11.5
60°	8.9	9.4	9.5	9.5	9.5	9.4	8.9	8.5	8.0	8.4	9.2
57.5°	8.9	9.4	9.5	9.5	9.5	9.4	8.9	8.4	7.9	8.5	9.1
55°	9.4	9.5	10.1	11.1	10.1	9.5	9.4	9.2	8.9	9.4	10.0
52.5°	10.9	11.0	11.1	11.1	11.1	11.0	10.9	10.7	10.5	10.7	10.9
50°	12.4	12.6	12.7	12.7	12.7	12.6	12.4	12.2	12.2	12.3	12.5
47.5°	15.3	15.6	15.8	15.9	15.8	15.6	15.3	14.9	14.6	14.4	14.2
45°	19.1	19.1	19.0	19.1	19.0	19.1	19.1	18.9	20.1	19.8	17.2
42.5°	25.5	26.3	26.8	27.0	26.8	26.3	25.5	24.6	27.2	31.3	34.1
40°	40.4	41.0	40.6	39.7	40.6	41.0	40.4	38.5	36.6	34.5	37.1
37.5°	54.9	56.0	56.7	57.2	56.7	56.0	54.9	54.3	53.8	50.4	51.6
35°	77.0	77.9	77.4	79.4	77.4	77.9	77.0	76.2	75.0	71.5	79.2
32.5°	125.5	126.2	122.3	123.9	122.3	126.2	125.5	119.8	111.0	107.8	114.3
30°	192.3	201.0	206.4	212.8	206.4	201.0	192.3	182.2	167.9	154.3	149.6
27.5°	292.6	314.3	328.4	336.7	328.4	314.3	292.6	267.9	234.1	217.0	185.4
25°	457.0	489.8	507.5	520.9	507.5	489.8	457.0	408.8	355.9	318.2	279.6
22.5°	887.6	1013.2	1083.3	1149.8	1083.3	1013.2	887.6	695.2	555.7	472.6	420.6
20°	2276.1	2422.7	2699.0	2869.8	2699.0	2422.7	2276.1	1590.6	1161.9	784.9	636.6
17.5°	7667.4	9775.3	10168.8	10466.0	10168.8	9775.3	7667.4	5040.3	3779.4	1855.8	1230.3
15°	22833.7	29089.6	30773.3	32206.4	30773.3	29089.6	22833.7	14027.1	9784.2	5678.8	2915.7
12.5°	55130.3	72348.4	81713.5	88828.5	81713.5	72348.4	55130.3	40097.5	21923.3	14838.5	8332.6
10°	115505.9	149215.1	174800.4	189617.5	174800.4	149215.1	115505.9	80502.1	51540.0	28068.0	14643.0
7.5°	196701.9	253836.2	287234.4	304234.7	287234.4	253836.2	196701.9	134408.8	82231.0	46662.0	24539.3
5°	296681.7	370436.2	417047.3	442677.5	417047.3	370436.2	296681.7	200648.5	119847.6	67563.3	34100.5
2.5°	370583.8	465203.7	535072.2	567937.0	535072.2	465203.7	370583.8	261287.0	154179.8	85664.4	40189.5
0°	397342.5	496613.2	576483.7	624331.9	576483.7	496613.2	397342.5	277684.5	168440.9	94808.8	44071.6
-2.5°	371798.0	464991.7	527199.9	556147.9	527199.9	464991.7	371798.0	258932.0	154312.9	87079.8	40982.4
-5°	316161.3	396734.0	441438.1	460361.7	441438.1	396734.0	316161.3	219408.8	132007.2	77313.5	37291.1
-7.5°	224310.8	285772.1	317192.2	335832.0	317192.2	285772.1	224310.8	155862.9	97671.0	56275.3	28239.3
-10°	141225.4	175776.4	205831.7	219427.4	205831.7	175776.4	141225.4	99093.3	65930.6	37180.3	18497.2
-12.5°	82016.3	103891.1	121476.8	128947.2	121476.8	103891.1	82016.3	60646.6	37400.2	23782.3	12607.6
-15°	45324.5	57278.5	65375.0	68542.1	65375.0	57278.5	45324.5	32180.3	22166.0	13022.1	6055.6
-17.5°	25203.9	31004.6	33305.9	36996.3	33305.9	31004.6	25203.9	17729.9	11485.7	5787.0	3413.8
-20°	12347.7	15355.4	16319.8	18923.0	16319.8	15355.4	12347.7	7906.6	5216.6	3032.4	2449.6



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4796.3	5506.2	5664.4	6899.0	5664.4	5506.2	4796.3	3532.6	2603.0	2305.4	2111.9
-25°	2490.8	2610.5	2666.1	2811.1	2666.1	2610.5	2490.8	2311.2	2123.0	2029.7	1964.7
-27.5°	2093.9	2151.9	2198.2	2267.9	2198.2	2151.9	2093.9	2029.4	1949.9	2004.4	2059.9
-30°	2040.7	2030.5	2031.9	2039.2	2031.9	2030.5	2040.7	2064.6	2095.6	2190.2	2326.2
-32.5°	2270.5	2235.3	2217.7	2152.0	2217.7	2235.3	2270.5	2325.5	2394.5	2461.1	2519.3
-35°	2580.4	2577.4	2579.7	2549.0	2579.7	2577.4	2580.4	2591.6	2610.1	2634.5	2642.1
-37.5°	2750.7	2755.6	2761.7	2752.3	2761.7	2755.6	2750.7	2749.9	2748.0	2754.2	2675.9
-40°	2838.5	2852.9	2863.0	2860.3	2863.0	2852.9	2838.5	2823.1	2778.6	2720.1	2576.8
-42.5°	2817.4	2852.8	2870.3	2876.2	2870.3	2852.8	2817.4	2760.2	2645.6	2501.3	2298.9
-45°	2580.5	2725.1	2812.3	2836.5	2812.3	2725.1	2580.5	2394.4	2191.0	1996.2	1801.5
-47.5°	1848.5	2062.5	2263.2	2439.4	2263.2	2062.5	1848.5	1615.9	1409.3	1213.6	998.0
-50°	939.2	963.4	1012.8	1084.7	1012.8	963.4	939.2	913.1	892.1	876.6	852.0
-52.5°	851.7	865.7	879.5	892.5	879.5	865.7	851.7	836.4	820.9	807.2	790.8
-55°	802.6	811.1	817.6	822.7	817.6	811.1	802.6	793.5	784.1	778.1	773.1
-57.5°	776.9	791.1	803.3	813.1	803.3	791.1	776.9	759.7	739.7	724.2	707.9
-60°	680.0	695.6	710.2	722.6	710.2	695.6	680.0	661.7	641.0	625.8	610.4
-62.5°	570.4	584.2	598.6	611.4	598.6	584.2	570.4	554.0	534.8	518.9	503.1
-65°	466.2	479.5	491.5	501.9	491.5	479.5	466.2	450.9	433.8	418.2	402.3
-67.5°	386.4	401.5	416.6	430.4	416.6	401.5	386.4	369.8	352.0	334.1	316.4
-70°	296.4	308.9	319.6	328.8	319.6	308.9	296.4	282.6	267.3	251.4	235.6
-72.5°	205.6	217.3	230.6	243.0	230.6	217.3	205.6	192.6	178.4	164.1	151.9
-75°	110.8	119.3	127.4	135.0	127.4	119.3	110.8	101.9	92.7	84.3	80.6
-77.5°	74.5	81.8	87.1	92.1	87.1	81.8	74.5	67.1	59.6	52.8	49.8
-80°	54.9	60.0	64.2	68.3	64.2	60.0	54.9	49.7	44.4	39.4	37.6
-82.5°	40.2	44.3	47.6	50.8	47.6	44.3	40.2	36.0	31.8	27.7	26.2
-85°	32.4	36.4	39.7	42.9	39.7	36.4	32.4	28.4	24.3	20.3	19.0
-87.5°	29.3	33.5	35.8	38.1	35.8	33.5	29.3	25.0	20.7	16.3	15.1
-90°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	19.8	15.5	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
87.5°	2.4	2.8	3.2	3.6	4.0	4.4	4.8	4.8	4.8	4.8	4.8
85°	3.1	3.1	3.2	3.6	4.0	4.4	4.8	5.0	5.2	5.4	5.5
82.5°	3.9	4.1	4.4	4.4	4.5	4.6	4.8	5.2	5.6	6.0	6.4
80°	4.0	4.4	4.8	5.0	5.2	5.3	5.3	5.5	5.8	6.1	6.5
77.5°	4.6	4.7	4.9	5.5	6.0	6.4	6.6	6.8	7.0	7.1	7.2
75°	6.3	6.3	6.5	7.1	7.5	7.7	7.8	7.6	7.6	7.8	7.9
72.5°	10.5	10.4	10.8	11.7	12.2	12.8	12.6	11.6	10.3	8.9	7.9
70°	14.4	15.0	16.7	19.0	20.6	21.3	21.0	19.5	16.7	14.5	12.3
67.5°	16.3	17.5	20.0	23.5	26.1	28.3	30.4	31.4	30.2	27.2	20.1
65°	16.1	18.2	20.1	22.0	24.9	29.2	36.9	40.8	41.7	40.1	31.3
62.5°	13.4	15.4	16.8	18.4	20.4	24.9	35.2	43.6	49.9	49.7	39.6
60°	10.1	11.2	12.7	14.3	16.0	20.9	30.2	41.3	54.1	51.1	43.7
57.5°	9.4	10.0	11.1	12.0	12.6	16.4	23.6	33.5	45.3	45.5	42.5
55°	10.8	11.4	11.8	12.3	12.8	14.4	17.2	23.3	32.2	34.6	34.1
52.5°	11.0	11.9	12.8	13.7	14.0	14.0	14.9	18.1	20.8	24.4	26.0
50°	12.6	12.8	13.3	14.0	14.5	14.4	14.5	15.5	17.3	18.8	20.0
47.5°	14.3	14.4	14.2	14.4	15.1	15.1	14.9	14.9	16.3	17.0	17.8
45°	17.3	17.3	16.8	17.3	17.0	16.9	16.3	16.9	17.0	17.5	17.5
42.5°	31.4	25.1	21.0	23.0	23.5	22.0	19.9	20.4	19.9	19.2	20.5
40°	43.0	48.9	42.5	34.1	32.0	31.0	28.3	25.3	24.4	22.6	25.3
37.5°	51.1	49.8	61.2	65.9	53.1	43.0	39.5	34.1	30.4	31.3	33.2
35°	78.3	75.5	76.7	82.5	86.3	74.2	57.7	46.9	40.9	42.2	42.8
32.5°	119.5	111.8	111.2	108.4	113.5	112.5	92.6	69.5	59.9	56.8	54.2
30°	152.1	144.1	134.6	151.4	160.6	153.5	133.7	118.3	97.3	74.8	67.7
27.5°	191.2	185.5	170.8	204.2	222.6	210.8	198.0	183.6	146.1	110.2	88.6
25°	266.1	248.1	260.0	282.9	298.4	289.1	274.7	254.8	215.5	162.9	133.3
22.5°	374.6	367.6	367.8	367.9	408.0	396.9	358.1	329.2	321.5	297.5	222.7
20°	580.2	536.5	501.1	553.5	594.3	532.6	455.4	490.3	550.5	494.3	344.7
17.5°	1027.9	870.8	788.2	863.5	859.8	746.2	800.3	824.1	823.8	739.1	491.5
15°	1795.7	1474.1	1312.2	1237.9	1234.1	1304.8	1361.8	1214.7	1138.1	1003.9	731.2
12.5°	3723.7	2206.4	1880.4	1718.0	1745.6	1849.5	1935.1	1728.8	1505.4	1388.3	1134.7
10°	6649.1	3546.1	2588.8	2317.6	2245.9	2341.9	2387.4	2182.1	1926.8	1812.2	1565.1
7.5°	12656.7	5834.0	3313.8	2871.6	2661.3	2635.5	2652.8	2531.3	2323.3	2221.2	2009.8
5°	17863.4	7420.8	3867.5	3301.4	3012.2	2933.8	2919.3	2817.3	2699.9	2617.5	2452.9
2.5°	19102.6	7668.9	4345.1	3697.5	3333.2	3227.9	3214.5	3051.7	2951.6	2828.0	2647.3
0°	22045.3	8944.6	4510.4	3841.8	3509.8	3478.1	3554.3	3266.9	3146.2	2998.5	2807.9
-2.5°	19692.9	7926.5	4348.5	3762.4	3482.1	3511.9	3675.0	3459.5	3278.6	3057.0	2771.6
-5°	16558.6	6950.4	4066.7	3510.4	3281.1	3370.3	3593.1	3489.7	3304.8	3068.9	2684.5
-7.5°	12683.7	5727.2	3702.8	3217.1	3044.5	3175.9	3389.6	3328.5	3132.2	2930.1	2506.8
-10°	7896.2	4263.1	3201.5	2865.1	2809.8	3010.1	3214.9	3143.8	2961.5	2787.9	2300.1
-12.5°	5511.1	3187.8	2689.5	2501.0	2592.2	2892.1	3063.6	2943.7	2798.2	2647.0	2072.7
-15°	3262.1	2632.8	2390.1	2322.9	2467.1	2766.6	2907.2	2791.6	2679.0	2509.3	1832.2
-17.5°	2551.2	2250.5	2152.9	2244.1	2457.1	2637.2	2733.7	2670.4	2538.7	2279.9	1543.1
-20°	2185.4	2081.1	2126.2	2243.3	2430.3	2562.5	2616.1	2537.6	2369.4	1922.3	1248.6





REPORT NUMBER: P701701 (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°	2030.0	2121.5	2218.2	2303.9	2357.4	2446.6	2468.9	2380.7	2177.8	1544.5	961.9
-25°	2088.8	2262.3	2397.5	2411.3	2340.8	2334.9	2329.6	2204.4	1797.6	1195.7	721.2
-27.5°	2246.1	2450.5	2564.9	2503.3	2370.8	2251.9	2175.4	1987.1	1407.6	921.4	678.3
-30°	2451.7	2557.1	2591.2	2485.0	2323.1	2195.9	2040.0	1560.5	1085.2	711.7	646.5
-32.5°	2567.5	2579.5	2529.1	2370.5	2240.3	2122.6	1690.6	1170.4	784.7	677.9	629.8
-35°	2633.9	2516.2	2366.7	2263.0	2188.1	1793.5	1313.9	873.1	699.8	648.9	616.7
-37.5°	2538.1	2357.9	2258.2	2133.8	1800.1	1384.4	927.9	736.6	670.5	634.2	612.6
-40°	2396.5	2252.7	1986.1	1700.2	1314.5	896.3	770.5	709.1	662.9	626.2	613.3
-42.5°	2070.0	1822.0	1499.4	1131.4	842.1	792.0	743.3	696.7	661.0	635.8	585.3
-45°	1503.5	1183.0	894.9	843.1	795.1	757.2	724.2	696.2	672.3	613.7	548.6
-47.5°	925.4	871.8	825.1	792.2	758.3	731.5	723.4	706.4	639.4	574.6	509.1
-50°	825.9	800.6	775.0	753.9	743.5	734.5	701.8	655.2	590.2	525.4	462.9
-52.5°	773.8	766.5	758.8	750.7	719.8	680.3	638.0	588.2	530.5	468.4	408.0
-55°	769.5	746.9	716.7	684.8	649.3	605.7	560.9	513.7	461.4	404.1	351.9
-57.5°	690.4	667.0	634.5	599.5	562.3	521.1	477.6	432.8	389.6	341.5	295.1
-60°	592.7	571.1	538.3	503.8	467.8	430.2	391.7	353.9	317.0	281.6	244.2
-62.5°	484.2	461.8	433.6	403.6	371.1	337.0	307.5	281.8	254.9	224.9	190.7
-65°	382.4	358.3	332.2	310.0	286.3	261.1	239.1	216.1	191.6	165.3	135.9
-67.5°	297.4	277.1	257.2	236.6	214.6	191.0	170.6	149.8	131.6	113.3	92.4
-70°	218.9	201.6	183.5	164.2	145.5	128.4	114.0	99.6	83.7	70.9	60.2
-72.5°	139.6	127.2	114.6	101.6	89.1	79.7	70.7	61.8	53.0	44.5	38.2
-75°	76.1	70.7	64.6	58.1	51.2	43.9	40.3	38.5	36.6	34.4	31.9
-77.5°	46.8	43.9	41.3	39.4	37.5	35.7	33.9	32.0	30.2	28.5	27.0
-80°	35.7	33.6	31.6	30.2	28.9	27.6	26.4	25.3	24.3	23.4	22.6
-82.5°	24.7	23.1	21.6	21.1	20.6	20.1	19.5	19.2	18.8	18.5	18.2
-85°	17.6	16.3	15.0	14.8	14.6	14.4	14.2	14.3	14.5	14.6	14.7
-87.5°	13.9	12.5	11.1	11.1	11.1	11.1	11.1	11.4	11.7	12.0	12.2
-90°	2.4	2.8	3.2	3.6	4.0	4.4	4.8	4.8	4.8	4.8	4.8





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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	10.7	10.3	9.9	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
87.5°	5.2	5.6	6.0	6.4	6.8	7.2	7.5	7.9	7.9	7.9	7.9
85°	5.6	5.8	6.1	6.4	6.8	7.2	7.5	7.9	7.9	7.9	7.9
82.5°	6.4	6.3	6.3	6.4	6.8	7.2	7.6	7.9	7.9	7.9	7.9
80°	6.7	6.9	6.9	6.9	7.0	7.2	7.6	7.9	7.9	7.9	7.9
77.5°	7.2	7.4	7.6	7.7	7.6	7.6	7.7	7.9	7.9	7.9	7.9
75°	7.9	7.8	7.8	8.0	8.0	7.9	7.8	8.0	8.0	7.9	7.9
72.5°	7.9	7.9	7.9	8.1	8.3	8.4	8.2	8.1	8.3	8.2	8.0
70°	10.2	8.4	7.9	8.2	8.6	8.9	8.8	8.6	8.5	8.6	8.4
67.5°	14.3	11.9	9.8	8.5	8.6	9.0	9.4	9.3	9.1	8.9	8.8
65°	23.0	16.7	12.5	10.7	9.5	9.1	9.5	9.9	9.8	9.5	9.2
62.5°	30.4	22.3	16.7	13.3	11.0	9.9	9.6	10.1	10.3	10.1	9.7
60°	36.6	27.3	21.0	17.0	13.4	10.9	10.3	10.4	10.7	10.6	10.2
57.5°	35.7	30.6	26.1	20.9	16.5	12.8	11.1	11.0	11.1	11.1	10.7
55°	31.7	28.3	29.3	25.5	20.0	15.4	12.6	11.8	11.6	11.5	11.3
52.5°	24.8	26.7	29.6	28.9	24.1	18.4	15.1	12.5	12.3	12.1	12.0
50°	19.8	23.9	29.2	30.9	27.9	22.1	17.5	14.5	13.0	12.6	12.7
47.5°	19.2	22.9	26.8	32.3	31.0	25.5	20.2	16.5	13.7	13.2	13.5
45°	20.8	23.7	26.0	30.2	33.8	28.0	22.8	18.3	15.3	14.2	14.4
42.5°	23.6	26.1	27.8	28.4	32.3	29.8	24.9	20.2	16.8	15.3	15.4
40°	27.8	29.5	30.5	31.1	31.0	31.2	26.3	21.9	18.3	16.7	16.4
37.5°	32.9	34.0	34.3	35.5	32.0	31.0	27.3	23.2	20.4	18.5	17.5
35°	41.6	39.5	40.8	41.4	37.3	31.8	27.8	24.2	22.7	20.3	18.6
32.5°	51.8	49.2	50.0	48.4	44.0	33.4	28.7	26.8	25.2	22.1	19.9
30°	65.8	67.1	61.4	56.4	51.6	39.5	31.7	29.8	27.8	23.8	21.2
27.5°	92.0	89.1	75.9	67.0	59.2	47.6	37.8	33.2	30.6	25.7	22.7
25°	125.5	115.6	97.3	79.6	67.4	71.6	44.7	36.9	33.5	28.0	24.1
22.5°	170.0	146.2	121.5	93.4	102.7	103.4	58.4	42.6	36.5	30.3	25.5
20°	220.9	180.4	157.9	148.3	145.1	135.1	81.7	48.7	39.7	32.7	26.8
17.5°	286.5	252.1	245.4	215.9	191.8	169.8	109.2	55.1	42.9	35.2	28.1
15°	483.6	369.4	338.8	290.3	241.4	207.0	139.8	61.7	46.3	37.6	28.7
12.5°	739.7	490.4	436.7	369.7	293.2	246.0	172.7	68.4	49.6	38.6	28.3
10°	1027.7	613.9	537.8	452.6	346.5	286.1	206.6	74.9	51.2	38.6	27.8
7.5°	1334.3	738.3	640.4	537.0	398.4	323.5	240.4	80.8	52.5	38.3	27.3
5°	1612.5	840.2	721.6	601.1	439.5	356.7	272.9	86.6	53.7	37.9	26.8
2.5°	1733.4	904.5	786.8	658.7	479.0	388.2	302.8	92.1	54.8	37.3	26.1
0°	1821.6	964.0	848.1	711.5	516.2	417.7	328.8	96.9	55.6	36.5	25.4
-2.5°	1737.3	954.4	834.4	709.3	528.4	423.9	330.0	112.0	66.6	43.0	28.1
-5°	1626.4	940.1	817.5	702.5	537.3	427.5	326.9	126.0	77.0	49.2	30.6
-7.5°	1529.5	903.9	792.5	690.1	542.5	428.5	320.4	138.8	86.6	54.9	32.9
-10°	1406.3	854.1	756.4	661.4	534.8	426.0	311.8	150.1	95.2	59.8	34.9
-12.5°	1245.0	803.0	719.8	633.1	523.3	421.1	304.4	160.7	102.8	63.9	36.5
-15°	1043.7	751.4	683.5	606.7	510.3	414.5	295.7	170.1	110.7	68.0	37.6
-17.5°	805.4	700.2	648.3	583.5	496.3	406.5	286.5	177.3	117.3	72.4	39.4
-20°	734.6	664.1	615.1	564.8	481.6	397.4	277.2	182.4	122.4	75.6	41.4



REPORT NUMBER: P701701 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	697.2	640.9	597.4	545.7	467.2	387.3	268.6	185.1	126.0	77.4	42.6
-25°	658.8	618.9	584.4	527.2	453.1	371.6	265.4	185.4	128.0	77.9	42.7
-27.5°	630.8	600.2	574.0	507.7	436.5	358.6	264.5	186.9	128.3	76.8	41.8
-30°	608.9	589.7	554.1	487.3	418.3	340.0	260.4	186.4	126.8	75.3	39.8
-32.5°	598.2	583.4	530.5	465.4	396.4	320.1	248.4	183.8	123.2	73.0	38.7
-35°	598.1	565.1	506.1	441.9	372.8	301.4	233.3	178.8	117.5	69.0	37.4
-37.5°	596.2	538.6	478.9	416.2	348.4	281.2	219.1	165.3	109.5	63.4	35.4
-40°	565.2	508.5	449.4	388.8	324.5	259.8	202.6	149.7	101.1	56.2	32.7
-42.5°	531.5	474.5	416.5	359.9	299.7	239.0	183.7	132.6	88.7	50.7	29.2
-45°	492.6	436.9	380.3	327.4	273.6	215.6	163.0	114.4	74.9	45.9	26.5
-47.5°	450.1	394.4	341.9	292.5	244.1	190.0	140.5	97.7	60.2	40.0	25.6
-50°	400.7	349.5	301.4	256.1	210.2	163.2	117.4	79.8	51.8	32.7	24.4
-52.5°	351.9	302.8	260.5	218.9	176.7	134.5	96.2	61.8	42.9	29.0	23.1
-55°	301.2	257.8	220.1	181.2	142.3	107.9	73.8	51.3	33.6	26.9	21.7
-57.5°	254.5	214.9	178.5	142.5	110.8	81.2	57.4	40.2	29.5	24.7	20.8
-60°	207.2	170.1	135.6	107.9	81.2	59.8	44.4	31.5	27.0	22.7	19.7
-62.5°	156.9	125.1	99.5	75.6	58.4	44.9	32.7	28.6	24.4	21.4	18.6
-65°	112.0	88.1	65.5	54.2	42.3	32.8	29.4	25.7	22.7	20.0	17.5
-67.5°	71.5	59.3	47.5	36.9	32.2	29.2	26.1	23.5	21.1	18.7	16.7
-70°	49.5	39.1	33.7	30.9	28.2	25.7	23.8	21.7	19.5	17.7	15.9
-72.5°	35.1	32.1	29.2	26.7	25.1	23.4	21.7	20.0	18.4	16.8	15.1
-75°	29.3	27.4	25.6	24.0	22.6	21.2	20.0	18.8	17.3	15.8	14.2
-77.5°	25.4	24.0	22.6	21.4	20.3	19.3	18.5	17.6	16.1	14.6	13.2
-80°	21.6	20.6	19.7	18.8	18.1	17.5	16.7	15.9	14.5	13.3	12.2
-82.5°	17.6	17.1	16.7	16.1	15.6	15.1	14.5	13.9	12.9	12.0	11.3
-85°	14.4	14.1	13.7	13.4	13.1	12.7	12.5	12.2	11.6	11.1	10.7
-87.5°	12.0	11.8	11.6	11.3	11.2	11.1	11.0	10.9	10.6	10.3	10.1
-90°	5.2	5.6	6.0	6.4	6.8	7.2	7.5	7.9	7.9	7.9	7.9



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.5	9.1	8.7	8.3	7.9	7.9	7.9
87.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
85°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
82.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
80°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
77.5°	7.9	8.0	7.9	7.9	7.9	7.9	7.9
75°	8.0	8.2	8.0	7.9	7.9	7.9	7.9
72.5°	8.1	8.4	8.2	7.9	7.9	7.9	7.9
70°	8.2	8.6	8.5	8.0	7.9	7.9	7.9
67.5°	8.7	8.9	8.9	8.3	7.9	7.9	7.9
65°	9.2	9.2	9.2	8.6	7.9	7.9	7.9
62.5°	9.6	9.6	9.5	8.9	7.9	7.9	7.9
60°	10.1	10.0	9.9	9.3	7.9	7.9	7.9
57.5°	10.6	10.4	10.2	9.6	8.1	7.9	7.9
55°	11.2	10.8	10.5	9.9	8.3	7.9	7.9
52.5°	11.8	11.2	10.8	10.3	8.5	7.9	7.9
50°	12.4	11.7	11.1	10.6	8.7	7.9	7.9
47.5°	13.0	12.2	11.4	11.0	8.9	7.9	7.9
45°	13.8	12.8	11.7	11.2	9.0	7.9	7.9
42.5°	14.6	13.3	12.0	11.4	9.2	7.9	7.9
40°	15.5	13.9	12.4	11.5	9.3	7.9	7.9
37.5°	16.4	14.5	12.8	11.6	9.4	7.9	7.9
35°	17.3	15.2	13.3	11.6	9.5	7.9	7.9
32.5°	18.2	15.9	13.7	11.6	9.6	7.9	7.9
30°	19.2	16.6	14.2	11.7	9.7	7.9	7.9
27.5°	20.3	17.4	14.3	11.7	9.7	7.9	7.9
25°	21.3	18.1	14.3	11.7	9.7	7.9	7.9
22.5°	22.3	18.7	14.3	11.7	9.8	7.9	7.9
20°	23.4	18.6	14.3	11.6	9.8	7.9	7.9
17.5°	23.6	18.5	14.2	11.6	9.8	7.9	7.9
15°	23.2	18.3	14.0	11.6	9.8	7.9	7.9
12.5°	22.7	18.0	13.9	11.5	9.8	7.9	7.9
10°	22.1	17.7	13.7	11.4	9.7	7.9	7.9
7.5°	21.4	17.3	13.5	11.4	9.7	7.9	7.9
5°	20.7	16.9	13.2	11.3	9.6	7.9	7.9
2.5°	19.9	16.4	13.0	11.2	9.6	7.9	7.9
0°	19.1	15.9	12.7	11.1	9.5	7.9	7.9
-2.5°	19.9	16.1	12.8	11.1	9.5	7.9	7.9
-5°	20.7	16.2	13.0	11.1	9.5	8.0	7.9
-7.5°	21.4	16.3	13.1	11.1	9.5	8.0	7.9
-10°	21.9	16.4	13.1	11.0	9.5	8.0	7.9
-12.5°	22.4	16.4	13.2	11.0	9.4	8.1	7.9
-15°	22.7	16.4	13.2	10.9	9.4	8.1	7.9
-17.5°	22.8	16.4	13.2	10.9	9.4	8.1	7.9
-20°	23.1	16.3	13.1	10.8	9.4	8.2	7.9



REPORT NUMBER: P701701 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	23.7	16.2	13.1	10.7	9.3	8.2	7.9
-25°	24.0	16.3	12.9	10.6	9.3	8.2	7.9
-27.5°	23.9	16.5	12.8	10.6	9.3	8.2	7.9
-30°	23.3	16.6	12.6	10.5	9.3	8.2	7.9
-32.5°	22.2	16.6	12.6	10.3	9.3	8.3	7.9
-35°	21.7	16.4	12.5	10.2	9.3	8.3	7.9
-37.5°	21.5	16.3	12.4	10.1	9.2	8.3	7.9
-40°	21.2	16.1	12.2	10.0	9.2	8.3	7.9
-42.5°	20.7	15.9	12.1	9.9	9.2	8.3	7.9
-45°	20.1	15.6	12.1	9.8	9.2	8.3	7.9
-47.5°	19.4	15.2	12.0	9.8	9.2	8.3	7.9
-50°	18.8	14.8	11.9	9.8	9.2	8.3	7.9
-52.5°	18.2	14.4	11.8	9.9	9.2	8.3	7.9
-55°	17.6	14.1	11.7	10.0	9.3	8.3	7.9
-57.5°	16.9	13.9	11.5	10.0	9.3	8.3	7.9
-60°	16.2	13.5	11.3	10.0	9.3	8.2	7.9
-62.5°	15.7	13.2	11.2	10.0	9.2	8.2	7.9
-65°	15.2	12.8	11.0	9.9	9.1	8.2	7.9
-67.5°	14.6	12.4	10.9	9.9	9.0	8.2	7.9
-70°	14.0	12.1	10.7	9.8	8.9	8.2	7.9
-72.5°	13.3	11.7	10.5	9.7	8.8	8.1	7.9
-75°	12.7	11.3	10.3	9.5	8.7	8.1	7.9
-77.5°	11.9	10.8	10.0	9.3	8.6	8.1	7.9
-80°	11.2	10.4	9.8	9.1	8.4	8.0	7.9
-82.5°	10.7	10.1	9.5	8.9	8.3	8.0	7.9
-85°	10.3	9.8	9.2	8.7	8.2	8.0	7.9
-87.5°	9.9	9.4	9.0	8.5	8.0	7.9	7.9
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9

(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

