

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: P701571 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-70-5S-CV1-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701571 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0640L-57-70-5S-CV1-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

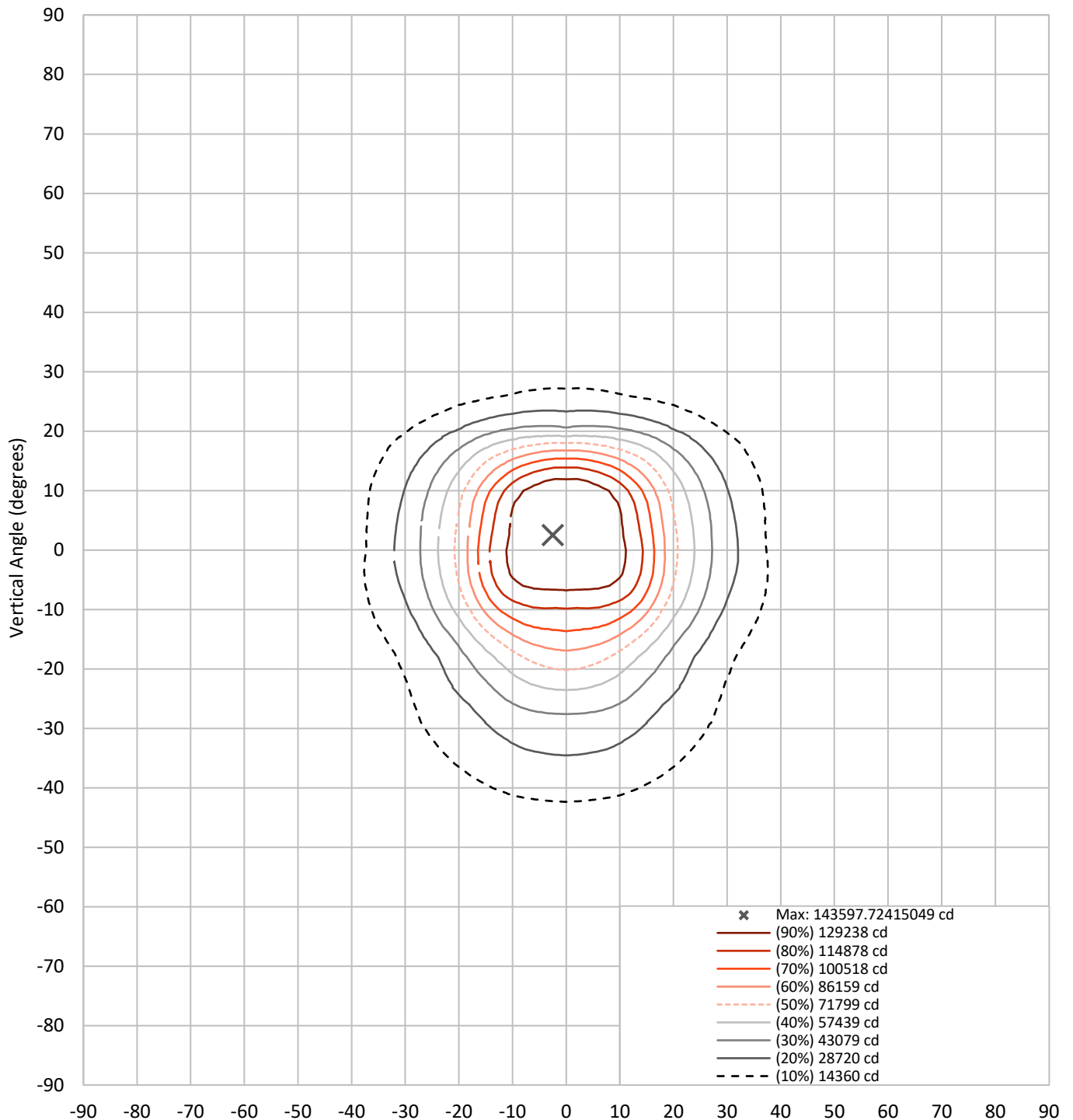
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	76664.6 lumens	Max Intensity:	143597.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	116.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.4°H x 38°V	Field Angle (10%):	74.2°H x 69.6°V
Beam Lumens:	42242.6 lumens	Field Lumens:	71296.6 lumens
Beam Efficiency:	55.1%	Field Efficiency:	93.0%

Input Watts (W): 658  
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





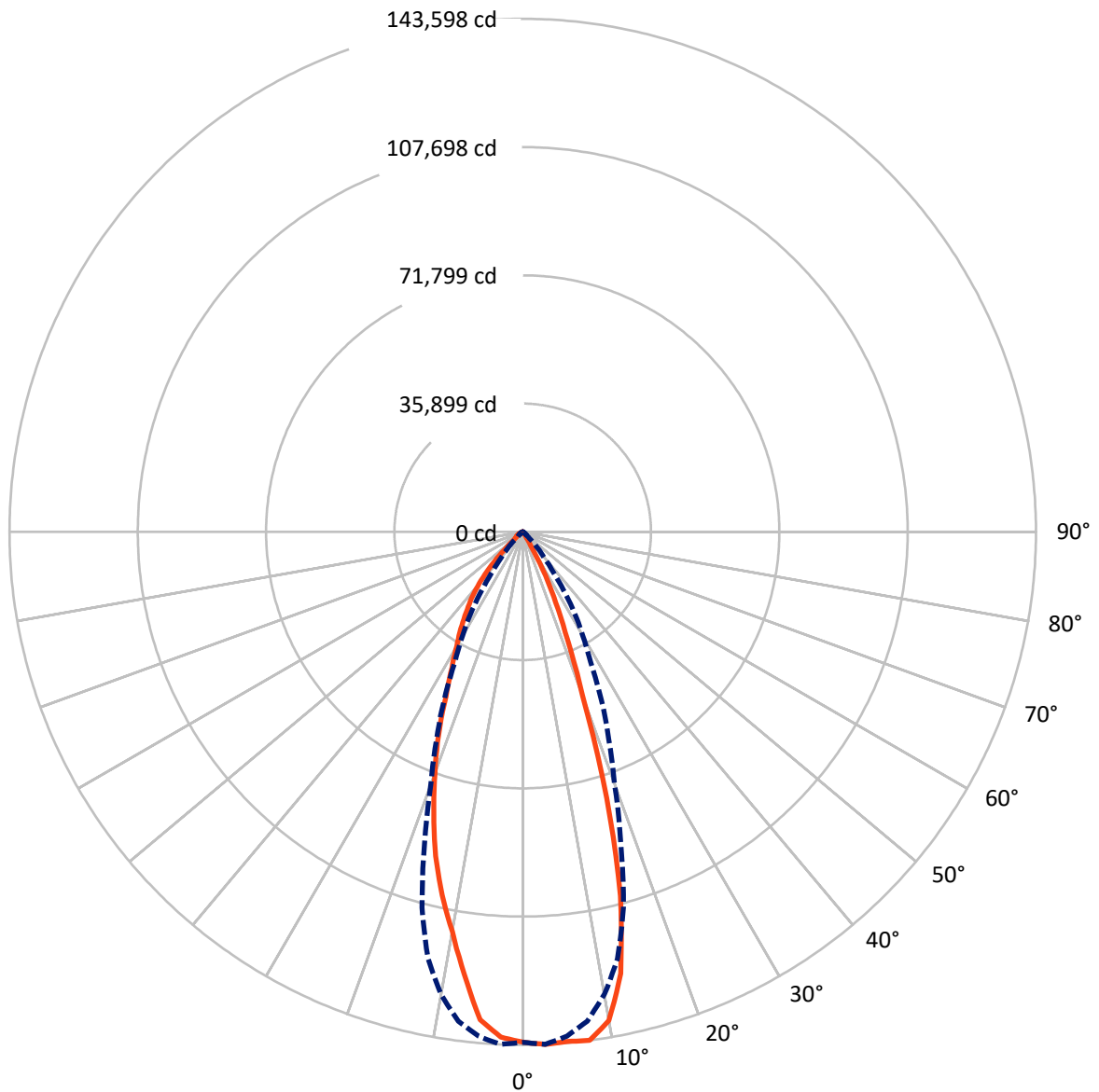
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### Lumen Table

90																
80	0.1	0.3		0.5		0.5		0.4		0.5		0.5		0.3		0.1
70																
60	0.1	0.1	0.1	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.1	0.1	0.1
50		0.1	0.2	0.7	0.8	0.4	0.3	0.3	0.3	0.3	0.4	0.8	0.7	0.2	0.1	
40	0.2	0.1	0.3	0.5	0.8	1.0	1.2	1.2	1.2	1.2	1.0	0.8	0.5	0.3	0.1	0.2
30		0.2	0.8	2.3	5.0	10.8	25.5	36.5	36.5	25.5	10.8	5.0	2.3	0.8	0.2	
20	0.2	0.4	4.1	15.3	83.6	256.7	516.4	694.8	694.8	516.4	256.7	83.6	15.3	4.1	0.4	0.2
10		1.2	10.0	55.2	344.5	980.7	2033.0	2927.9	2927.9	2033.0	980.7	344.5	55.2	10.0	1.2	
0	0.2	1.9	13.5	87.2	495.1	1410.8	3048.2	4215.2	4215.2	3048.2	1410.8	495.1	87.2	13.5	1.9	0.2
-10		2.3	14.5	91.2	498.7	1375.3	3003.9	3981.6	3981.6	3003.9	1375.3	498.7	91.2	14.5	2.3	
-20	0.4	2.7	13.9	61.2	327.8	907.2	1929.8	2745.0	2745.0	1929.8	907.2	327.8	61.2	13.9	2.7	0.4
-30		2.7	13.2	34.1	193.2	555.6	1079.9	1527.3	1527.3	1079.9	555.6	193.2	34.1	13.2	2.7	
-40	0.4	2.2	10.7	25.4	77.7	306.3	597.6	817.9	817.9	597.6	306.3	77.7	25.4	10.7	2.2	0.4
-50		1.4	6.9	19.8	38.2	71.2	168.8	262.5	262.5	168.8	71.2	38.2	19.8	6.9	1.4	
-60	0.2	0.7	3.5	10.8	23.4	38.2	52.0	60.3	60.3	52.0	38.2	23.4	10.8	3.5	0.7	0.2
-70		0.3	1.3	3.7	8.0	13.7	20.2	23.8	23.8	20.2	13.7	8.0	3.7	1.3	0.3	
-80																
-90	0.2	0.7		2.7		6.4		8.6		6.4		2.7		0.7		0.2

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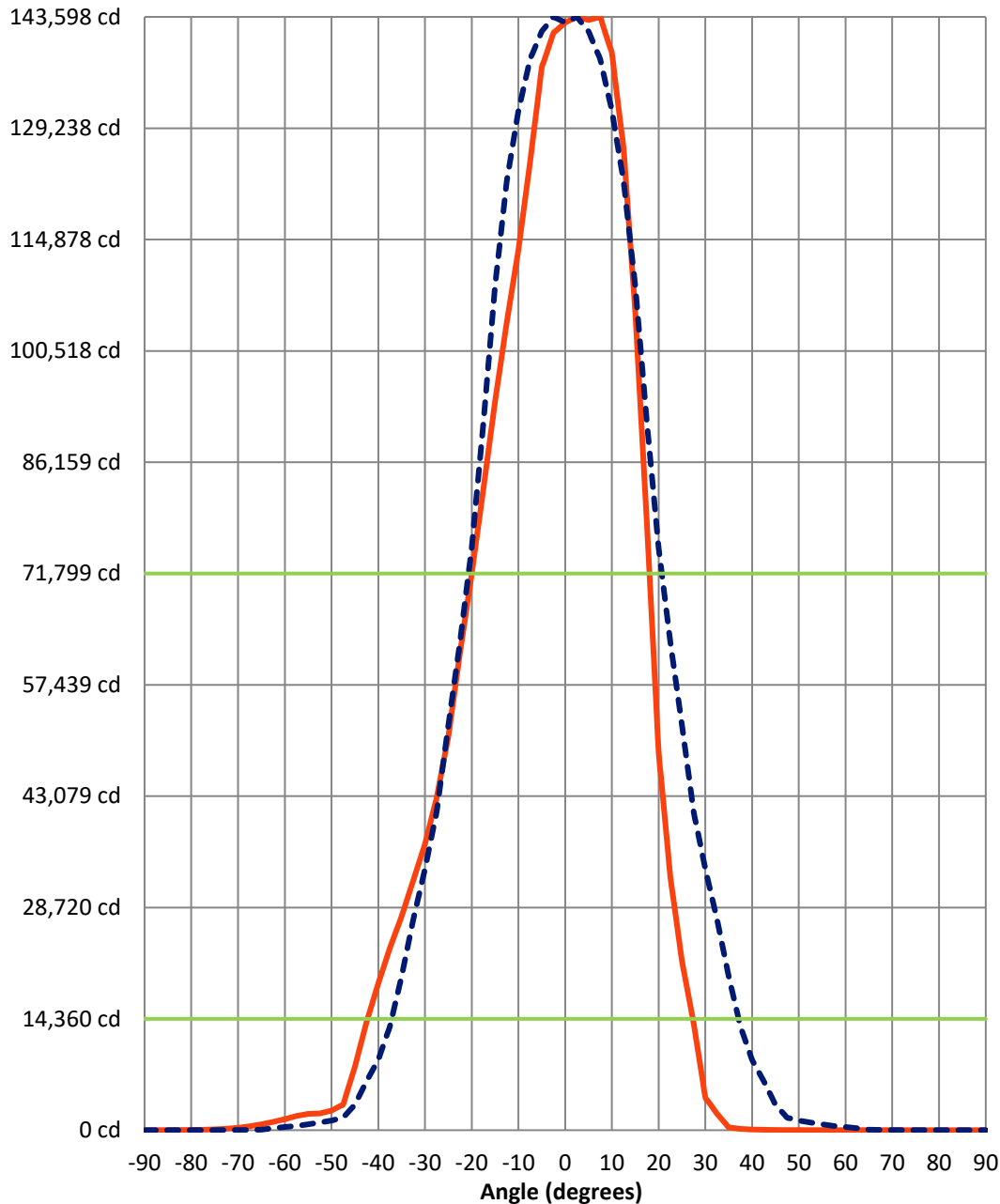
### Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg    - - - Horizontal Distribution Through 2.5-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 41.4°  
 V Angle: 38°  
 Lumens: 42242.6  
 Efficiency: 55.1%

**Field:**  
 H Angle: 74.2°  
 V Angle: 69.6°  
 Lumens: 71296.6  
 Efficiency: 93.0%

**Spill:**  
 Lumens: 5368  
 Efficiency: 7.0%

— Vertical Distribution through -2.5-Deg  
 - - Horizontal Distribution through 2.5-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°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
87.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6	4.1
85°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6	4.1
82.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.9	4.7
80°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.8	5.6	5.5	5.6
77.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.0	5.9	6.1	6.2
75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.1	6.2	6.2	6.2
72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
70°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
67.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
65°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
62.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
60°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.2	6.2	6.2	6.4
55°	6.2	6.2	6.2	6.2	6.2	6.2	6.4	6.3	6.2	6.3	6.7
52.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.6	6.4	6.2	6.7	7.1
50°	6.2	6.2	6.2	6.2	6.2	6.4	6.8	6.5	6.4	7.2	8.2
47.5°	6.2	6.2	6.2	6.2	6.2	6.6	7.0	6.6	6.9	7.8	9.2
45°	6.2	6.2	6.2	6.2	6.2	6.8	7.1	6.7	7.5	8.6	10.2
42.5°	6.2	6.2	6.2	6.2	6.2	7.1	7.1	7.0	8.1	9.3	10.8
40°	6.2	6.2	6.2	6.2	6.3	7.3	7.2	7.6	8.7	9.9	11.4
37.5°	6.2	6.2	6.2	6.3	6.5	7.6	7.3	8.1	9.3	10.6	12.0
35°	6.2	6.2	6.2	6.3	6.7	7.8	7.5	8.6	9.9	11.3	12.7
32.5°	6.2	6.2	6.2	6.4	6.9	7.8	7.7	9.1	10.5	12.1	14.4
30°	6.2	6.2	6.2	6.5	7.1	7.9	8.0	9.5	11.0	13.0	16.4
27.5°	6.2	6.2	6.2	6.6	7.4	8.0	8.4	10.0	11.6	13.8	18.7
25°	6.2	6.2	6.2	6.7	7.6	8.1	8.8	10.4	12.3	15.3	21.3
22.5°	6.2	6.2	6.2	6.9	7.7	8.2	9.1	10.8	13.0	17.3	26.1
20°	6.2	6.2	6.2	7.0	7.9	8.2	9.5	11.2	13.7	19.4	31.4
17.5°	6.2	6.2	6.2	7.1	8.0	8.2	9.7	11.5	14.4	21.5	36.9
15°	6.2	6.2	6.2	7.3	8.1	8.2	9.9	11.8	15.1	23.7	42.5
12.5°	6.2	6.2	6.2	7.5	8.1	8.2	10.0	12.0	15.8	25.8	48.2
10°	6.2	6.2	6.2	7.6	8.2	8.2	10.1	12.1	16.4	28.2	53.8
7.5°	6.2	6.2	6.2	7.8	8.2	8.2	10.2	12.2	17.0	30.6	59.0
5°	6.2	6.2	6.2	7.9	8.2	8.2	10.3	12.2	17.6	32.9	63.8
2.5°	6.2	6.2	6.2	8.1	8.2	8.2	10.3	12.3	18.1	35.0	68.1
0°	6.2	6.2	6.2	8.2	8.2	8.2	10.3	12.3	18.5	36.9	71.8
-2.5°	6.2	6.2	6.3	8.2	8.2	8.4	10.8	14.5	24.8	48.2	89.6
-5°	6.2	6.2	6.4	8.2	8.2	8.7	11.3	16.7	30.7	58.9	106.3
-7.5°	6.2	6.2	6.5	8.2	8.2	8.9	11.8	18.7	36.2	68.7	121.5
-10°	6.2	6.2	6.5	8.1	8.2	9.1	12.2	20.4	41.1	77.5	135.0
-12.5°	6.2	6.2	6.6	8.1	8.2	9.2	12.5	21.8	45.1	85.1	147.9
-15°	6.2	6.2	6.7	8.1	8.2	9.3	12.8	22.9	48.8	92.4	158.9
-17.5°	6.2	6.2	6.7	8.0	8.2	9.4	13.0	24.6	52.4	98.0	167.0
-20°	6.2	6.2	6.8	8.0	8.2	9.5	13.5	26.6	54.9	101.7	171.7



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 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.2	6.2	6.8	8.0	8.2	9.5	14.6	28.0	56.1	103.3	172.8
-25°	6.2	6.2	6.9	8.0	8.2	9.6	15.3	28.8	56.0	102.7	170.1
-27.5°	6.2	6.2	6.9	8.0	8.2	9.8	15.7	28.9	54.5	100.8	169.0
-30°	6.2	6.2	6.9	8.0	8.2	9.9	15.7	28.2	53.5	98.9	165.0
-32.5°	6.2	6.2	6.9	8.0	8.3	9.7	15.3	28.0	52.7	95.1	157.8
-35°	6.2	6.2	6.9	8.1	8.4	9.5	15.0	27.5	50.7	89.2	147.3
-37.5°	6.2	6.2	6.9	8.1	8.5	9.3	14.7	26.5	47.7	81.2	133.8
-40°	6.2	6.2	6.9	8.2	8.5	9.4	14.2	24.8	43.5	75.3	120.6
-42.5°	6.2	6.2	6.8	8.2	8.6	9.4	13.3	22.5	40.1	68.3	105.8
-45°	6.2	6.2	6.8	8.2	8.6	9.4	12.3	20.2	36.7	60.3	90.4
-47.5°	6.2	6.2	6.7	8.2	8.6	9.4	11.0	18.6	32.4	51.5	80.4
-50°	6.2	6.2	6.6	8.1	8.5	9.4	10.7	16.7	27.2	45.4	69.5
-52.5°	6.2	6.2	6.5	7.9	8.5	9.3	10.5	14.4	23.5	38.6	58.2
-55°	6.2	6.2	6.4	7.7	8.4	9.1	10.4	12.0	20.3	31.1	49.4
-57.5°	6.2	6.2	6.3	7.5	8.3	9.0	10.1	11.7	16.8	26.1	39.9
-60°	6.2	6.2	6.2	7.3	8.2	8.8	9.8	11.3	13.7	21.5	31.2
-62.5°	6.2	6.2	6.2	7.2	8.0	8.6	9.5	10.9	12.9	16.6	25.4
-65°	6.2	6.2	6.2	7.0	7.8	8.3	9.1	10.3	12.0	14.6	19.2
-67.5°	6.2	6.2	6.2	6.8	7.7	8.1	8.7	9.8	11.0	13.1	15.9
-70°	6.2	6.2	6.2	6.6	7.5	8.0	8.3	9.3	10.4	11.6	13.9
-72.5°	6.2	6.2	6.2	6.6	7.3	7.9	8.2	8.7	9.8	10.9	11.9
-75°	6.2	6.2	6.2	6.5	7.2	7.8	8.2	8.5	9.2	10.2	11.2
-77.5°	6.2	6.2	6.2	6.5	7.0	7.7	8.2	8.4	8.9	9.5	10.4
-80°	6.2	6.2	6.2	6.4	6.9	7.5	8.2	8.3	8.6	9.0	9.6
-82.5°	6.2	6.2	6.2	6.4	6.7	7.2	7.7	8.0	8.2	8.4	8.7
-85°	6.2	6.2	6.2	6.3	6.5	6.8	7.2	7.4	7.6	7.7	7.9
-87.5°	6.2	6.2	6.2	6.3	6.4	6.5	6.7	6.8	6.9	7.0	7.0
-90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6	4.1





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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°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
82.5°	4.7	4.6	4.4	4.1	4.1	4.1	4.1	4.3	4.4	4.4	4.3
80°	5.5	5.2	4.7	4.2	4.3	4.6	5.1	5.7	5.7	5.3	5.0
77.5°	5.8	5.3	4.8	4.2	4.5	5.2	5.8	6.1	6.1	6.0	6.1
75°	5.8	5.3	5.1	5.1	5.5	6.0	6.2	6.6	6.9	6.9	6.7
72.5°	6.0	5.8	5.8	6.2	6.3	6.5	7.0	7.8	8.2	8.1	8.0
70°	6.1	6.2	6.2	6.2	6.3	7.0	8.1	9.1	9.8	10.2	11.2
67.5°	6.2	6.2	6.2	6.3	7.0	8.2	9.3	11.7	14.8	16.0	17.1
65°	6.2	6.2	6.4	7.1	8.1	9.7	12.4	15.9	21.9	24.8	26.1
62.5°	6.2	6.3	6.9	8.0	9.2	11.4	16.6	23.3	30.9	35.1	34.3
60°	6.2	6.4	7.8	9.3	10.9	15.5	22.4	30.1	39.9	47.0	42.1
57.5°	6.4	7.3	9.3	11.3	14.7	19.3	26.2	35.6	45.6	56.1	48.5
55°	7.1	9.0	10.9	13.7	17.5	20.9	27.9	36.7	47.6	54.4	47.8
52.5°	8.6	10.5	12.3	15.5	19.1	21.9	26.1	34.3	40.8	46.4	42.7
50°	10.0	11.3	13.3	17.0	20.2	21.9	21.6	27.9	33.4	35.8	36.2
47.5°	10.8	12.1	14.5	18.2	20.8	21.3	19.4	22.6	26.6	29.1	28.3
45°	11.5	13.5	16.1	19.3	21.2	20.5	20.2	19.0	24.1	26.3	26.7
42.5°	12.2	15.0	18.1	20.6	21.4	22.5	23.0	23.1	25.7	30.8	33.4
40°	13.5	16.5	20.6	22.7	23.1	26.7	30.3	33.1	34.9	41.9	46.8
37.5°	14.7	19.0	24.0	27.6	28.2	34.4	40.1	58.3	62.0	56.6	74.4
35°	15.9	21.9	30.3	39.0	43.9	45.6	70.7	95.2	105.7	103.5	118.6
32.5°	18.1	25.1	38.6	58.3	77.8	82.8	109.5	151.1	188.3	203.3	194.1
30°	21.6	32.8	51.8	82.8	126.9	175.4	183.0	229.2	304.4	365.7	457.4
27.5°	27.0	42.7	75.2	127.9	198.5	297.7	322.0	362.1	474.0	627.9	923.4
25°	33.1	68.0	102.1	187.8	318.5	434.9	480.7	556.4	686.2	1183.7	1864.0
22.5°	46.7	101.8	157.2	257.0	458.5	578.7	661.6	788.7	1097.0	1891.4	3215.6
20°	71.1	148.7	226.8	344.2	606.6	730.5	841.9	1035.2	1723.6	3200.6	5353.0
17.5°	99.7	199.5	298.9	449.4	686.5	855.9	1028.3	1287.9	2381.1	4727.5	7587.3
15°	131.7	253.0	366.6	540.4	756.5	938.6	1179.2	1777.7	3424.9	6470.9	9639.5
12.5°	166.0	308.3	429.9	618.2	821.4	1016.3	1302.9	2196.2	4512.9	8054.7	11748.0
10°	201.3	364.1	489.1	683.7	880.9	1088.3	1415.0	2578.6	5280.1	8648.8	12758.0
7.5°	223.1	399.0	536.9	738.2	934.7	1153.9	1514.3	2916.3	5822.9	8948.5	13174.1
5°	239.6	407.9	541.7	754.2	969.0	1206.2	1591.8	3199.6	6160.3	8990.9	13302.6
2.5°	252.2	411.5	542.6	759.1	989.7	1241.6	1618.3	3293.3	6314.9	9073.2	13391.4
0°	260.7	410.5	539.9	757.4	1003.8	1268.6	1627.8	3311.0	6318.2	9126.3	13424.7
-2.5°	274.6	425.2	567.3	789.2	1019.7	1274.3	1641.1	3404.2	6624.7	9700.9	14437.6
-5°	284.5	436.2	590.2	814.0	1029.1	1271.5	1638.9	3409.2	6663.2	9834.1	14478.8
-7.5°	290.6	443.5	607.4	828.7	1020.9	1239.5	1582.9	3133.7	6076.9	9231.1	13495.0
-10°	294.3	452.8	619.5	820.2	990.4	1187.0	1503.4	2793.0	5375.8	8455.3	12306.2
-12.5°	301.1	463.7	627.6	810.2	962.1	1129.2	1409.8	2396.7	4579.6	7506.9	10928.6
-15°	303.2	470.8	631.6	800.4	938.3	1067.0	1302.7	1952.7	3781.6	6674.4	9564.8
-17.5°	300.5	474.2	631.9	792.4	921.5	1001.4	1193.1	1568.9	3186.6	5866.2	8533.3
-20°	292.9	473.9	628.5	787.6	911.0	979.9	1157.1	1485.3	2675.4	4919.4	7558.7



REPORT NUMBER: P701571 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	280.3	469.9	622.4	779.2	910.0	999.7	1126.5	1379.9	2033.9	3826.0	6548.5
-25°	272.0	452.2	612.9	757.8	903.8	1021.1	1093.5	1267.3	1632.3	2990.9	5187.0
-27.5°	268.1	428.4	584.4	727.0	888.0	1033.3	1099.7	1226.3	1484.6	2073.7	3752.8
-30°	259.0	388.6	550.1	688.2	850.8	1008.7	1124.0	1184.0	1350.9	1694.1	2681.9
-32.5°	240.9	347.7	504.8	646.0	799.4	972.5	1128.3	1187.5	1295.3	1493.0	1863.1
-35°	219.9	321.6	455.5	597.3	737.7	913.1	1077.9	1204.1	1251.5	1394.5	1653.0
-37.5°	201.5	291.0	405.1	542.7	678.6	840.1	1021.5	1168.2	1265.6	1328.3	1519.3
-40°	180.2	256.1	363.5	487.0	618.9	766.2	934.2	1105.5	1243.6	1362.3	1442.5
-42.5°	156.9	229.1	320.5	431.2	558.6	695.1	840.5	1010.1	1186.8	1355.9	1479.6
-45°	138.6	199.1	275.3	379.3	494.4	620.6	756.7	900.0	1084.6	1275.4	1448.1
-47.5°	118.5	168.8	238.4	322.7	429.4	544.9	668.5	803.9	956.2	1139.7	1338.0
-50°	99.1	144.4	197.9	273.2	362.4	467.3	580.3	698.7	833.3	986.0	1160.4
-52.5°	85.8	118.0	165.7	223.3	299.8	389.0	488.8	593.3	708.2	833.6	976.9
-55°	71.4	99.3	133.9	181.3	239.1	315.2	396.6	489.3	584.7	693.8	804.1
-57.5°	58.9	81.7	108.7	143.4	189.6	242.1	312.9	386.0	470.8	559.1	647.1
-60°	46.9	65.2	87.4	113.8	145.2	188.4	233.4	294.5	362.2	428.7	502.2
-62.5°	35.3	50.1	67.6	88.4	113.8	139.1	174.8	216.6	261.1	315.8	369.6
-65°	27.9	36.2	49.5	66.2	84.3	105.8	128.1	150.8	186.4	221.9	255.6
-67.5°	20.1	27.6	35.3	44.7	60.0	75.3	91.3	111.0	130.9	149.4	171.2
-70°	16.6	19.5	25.6	32.5	39.3	47.4	60.7	74.6	88.7	102.6	118.2
-72.5°	13.8	16.3	19.0	21.9	27.3	32.7	38.0	43.1	52.0	63.5	74.4
-75°	12.1	13.1	15.2	17.5	19.8	22.0	24.5	28.9	33.3	37.7	42.2
-77.5°	11.0	11.7	12.6	13.7	15.0	16.9	18.7	20.5	22.3	24.0	25.7
-80°	10.0	10.3	10.8	11.4	12.2	13.1	14.1	15.2	16.5	17.8	19.3
-82.5°	9.0	9.2	9.5	9.7	9.9	10.1	10.4	11.0	11.7	12.4	13.2
-85°	8.0	8.2	8.4	8.5	8.7	8.8	8.9	9.1	9.2	9.3	9.4
-87.5°	7.1	7.2	7.3	7.3	7.4	7.5	7.6	7.6	7.7	7.7	7.8
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6	4.1	4.1	4.1
87.5°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.6	2.1	2.1	2.1
85°	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.0	3.5	3.1
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.6	3.1
80°	4.7	4.7	4.6	4.4	4.1	4.1	4.1	4.1	4.1	3.6	3.1
77.5°	6.2	5.8	5.3	4.7	4.2	4.1	4.1	4.1	4.1	3.7	3.1
75°	6.4	6.0	5.7	5.4	5.2	5.0	4.8	4.6	4.2	4.0	4.0
72.5°	7.9	7.7	7.6	7.8	7.8	7.6	7.2	6.6	5.9	5.8	6.0
70°	11.9	12.3	12.4	12.2	11.5	10.5	9.7	8.9	8.0	7.8	7.9
67.5°	18.2	18.5	17.9	16.5	14.3	12.5	11.5	10.2	8.8	8.4	9.0
65°	25.8	22.8	20.3	18.2	16.2	14.5	13.2	11.8	10.4	10.2	11.5
62.5°	30.8	24.2	20.5	18.7	17.4	16.2	14.3	12.7	11.2	10.4	10.6
60°	35.0	25.7	19.4	17.8	16.2	14.6	12.7	11.1	9.8	8.9	8.6
57.5°	37.1	26.3	17.9	15.6	13.3	11.2	10.2	9.7	9.0	8.2	8.7
55°	35.7	24.5	15.2	13.5	12.8	12.4	11.9	10.9	10.1	9.5	9.9
52.5°	30.6	22.3	16.2	14.0	13.4	12.8	12.2	12.0	11.9	11.6	11.8
50°	27.3	20.8	16.6	14.2	14.1	14.2	14.2	14.4	14.6	14.8	14.9
47.5°	24.3	19.6	18.6	16.2	16.6	17.9	18.2	18.5	19.5	19.4	18.9
45°	24.3	26.1	25.5	24.1	23.2	32.3	32.9	27.5	32.7	32.1	28.1
42.5°	35.6	38.2	38.7	47.6	64.3	63.4	61.7	69.9	64.3	56.3	50.6
40°	55.2	55.2	65.4	80.3	79.8	76.6	86.9	88.2	87.5	92.2	90.7
37.5°	87.8	88.8	93.5	102.4	118.2	110.8	133.0	147.3	149.6	169.4	184.7
35°	146.0	171.1	148.7	202.0	236.9	229.5	261.8	319.7	265.1	405.9	431.4
32.5°	273.6	330.0	373.3	434.2	512.9	629.2	637.8	1049.3	1131.7	1374.7	1706.7
30°	471.2	634.5	948.4	1030.4	1157.0	1638.7	2208.2	2920.7	3583.1	4056.3	4678.6
27.5°	1134.4	1404.3	2080.6	2815.3	2772.5	3672.4	5709.3	6335.9	8055.8	8628.0	10079.8
25°	2537.3	3183.8	4820.6	6279.5	7022.9	9394.1	12081.4	13293.3	15558.9	16763.6	18540.9
22.5°	4962.1	6735.4	8906.4	11146.6	13938.2	17568.8	20890.8	23315.7	26366.3	28815.4	30265.0
20°	8031.5	10485.2	13828.6	17308.6	21626.5	26396.1	29863.5	34776.2	39364.4	43721.3	45686.5
17.5°	10954.3	15053.9	19098.9	23299.1	28963.3	35202.3	40853.5	48038.6	55646.4	61496.9	66266.3
15°	13430.9	17992.5	23828.8	28848.6	35331.7	43111.9	51513.3	60699.1	71640.1	79955.8	88911.0
12.5°	15716.9	20291.0	26623.4	32618.6	41348.2	50135.4	59939.5	71353.1	84000.7	96301.8	107841.0
10°	17188.8	22460.5	29246.2	36529.8	45472.0	55675.6	66828.2	79614.4	95822.4	109885.6	122885.6
7.5°	18079.2	24439.0	31465.6	39232.1	48804.8	59304.7	71050.1	86123.5	103153.1	117842.5	129521.4
5°	18955.0	26059.9	32898.1	40534.8	50974.1	61658.7	73115.1	88235.1	105799.6	120503.1	130990.6
2.5°	19833.1	27175.8	33685.1	41053.2	52205.8	62989.1	75118.5	91227.0	108882.1	122385.9	131496.1
0°	20635.8	27573.9	33968.1	41183.3	52742.1	63570.1	75919.2	91825.5	111521.2	124508.6	133329.1
-2.5°	20926.9	27552.3	33661.9	40815.8	52294.3	62774.8	75065.2	92207.3	110587.5	123802.7	132759.2
-5°	20041.6	26054.1	31999.8	39245.9	49916.2	60734.1	73107.1	90105.0	107552.4	121233.6	129774.3
-7.5°	18376.9	23809.4	29657.6	36838.0	46533.0	56986.9	68250.3	83097.5	100274.1	113019.6	119746.3
-10°	16634.6	21294.2	26818.8	33464.6	42008.2	51935.8	61272.1	73905.5	89781.1	101080.6	107964.7
-12.5°	14642.8	18424.0	23523.2	29332.0	36958.1	45613.1	54152.5	64838.0	76962.3	88584.3	95751.2
-15°	12551.9	15594.9	20025.4	25599.4	31622.1	38095.8	45992.5	54648.2	64315.9	73736.1	81900.4
-17.5°	10878.2	13226.5	17292.2	22301.4	26893.8	32145.7	39842.3	46878.9	53954.2	61551.6	68353.2
-20°	9801.8	12006.0	15290.2	19472.6	24028.3	29322.3	35270.0	41424.5	48001.4	53834.6	59829.4



REPORT NUMBER: P701571 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-5S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8942.6	11208.2	13742.2	17227.8	22076.9	26940.6	31515.9	36225.8	41682.3	47640.5	52662.5
-25°	7826.5	10202.4	12609.9	15925.2	20007.7	24306.7	27675.2	31028.7	35951.9	41019.1	45170.7
-27.5°	6274.5	8960.8	11771.5	14470.0	17950.2	21007.6	23967.7	27006.9	31299.8	35577.0	38679.0
-30°	4477.4	7580.0	10499.1	13256.5	15645.9	18053.5	20529.1	23640.2	27228.9	30670.5	33307.3
-32.5°	3276.2	5601.0	8757.9	11572.1	13910.5	15925.9	17827.2	20595.4	23403.0	26162.6	28682.9
-35°	2090.6	3789.8	6249.7	9115.4	11860.7	14000.4	16067.6	18073.4	20183.5	22535.5	24716.4
-37.5°	1800.0	2256.9	3768.1	5906.1	8537.2	11333.2	13365.6	15362.5	17516.4	19283.5	21116.9
-40°	1631.4	1870.1	2252.9	3011.2	4997.9	6970.4	9253.9	11389.5	13448.4	15262.1	16937.6
-42.5°	1557.7	1700.5	1855.1	2142.9	2463.4	3409.2	5074.0	6629.0	8461.4	10282.0	11872.2
-45°	1595.0	1644.1	1722.8	1864.2	1995.4	2261.8	2542.4	2835.5	4087.7	5400.6	6525.6
-47.5°	1492.9	1635.9	1712.2	1773.8	1841.2	1957.1	2077.0	2240.3	2522.5	2808.6	3035.3
-50°	1323.5	1475.9	1609.6	1741.7	1805.5	1851.8	1901.2	1996.9	2127.9	2262.6	2361.8
-52.5°	1112.7	1260.2	1407.4	1541.1	1650.1	1755.4	1859.5	1937.7	2006.2	2073.9	2106.5
-55°	924.1	1047.1	1165.8	1286.2	1405.0	1517.6	1633.0	1750.3	1859.3	1960.0	2009.8
-57.5°	746.9	850.1	952.2	1044.0	1138.6	1234.9	1341.7	1455.7	1568.5	1673.9	1728.3
-60°	578.8	657.9	741.4	816.3	886.7	952.6	1044.8	1138.4	1227.9	1304.3	1344.8
-62.5°	423.2	484.6	548.0	607.5	663.9	719.8	789.3	857.0	922.0	974.5	1005.1
-65°	293.4	339.1	381.6	422.7	462.6	510.4	563.0	613.6	661.7	697.6	717.9
-67.5°	200.2	227.4	251.2	273.4	302.0	335.6	372.5	407.2	439.5	463.0	478.5
-70°	133.8	148.5	161.6	176.7	194.8	213.2	233.1	252.8	271.9	285.2	293.3
-72.5°	84.9	94.3	103.2	113.6	123.3	133.1	142.7	151.7	159.9	167.6	174.6
-75°	46.6	51.5	58.6	65.1	71.2	77.8	84.1	89.7	94.6	97.9	100.4
-77.5°	28.5	31.7	34.6	37.2	39.5	42.4	45.6	48.9	52.3	54.5	56.2
-80°	20.6	21.7	22.7	23.7	24.8	25.7	26.4	27.1	27.6	28.4	29.2
-82.5°	14.0	14.6	15.2	15.7	16.2	17.1	18.0	18.8	19.6	20.4	21.1
-85°	9.5	9.5	9.5	9.5	9.5	10.1	10.7	11.3	11.9	12.0	12.1
-87.5°	7.8	7.5	7.1	6.6	6.2	6.2	6.1	6.1	6.1	6.2	6.2
-90°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.6	2.1	2.1	2.1



REPORT NUMBER: P701571 (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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
85°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.5	4.0	4.0
82.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.1
80°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.1
77.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.7	4.1	4.1
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.2	4.6
72.5°	6.1	6.1	6.2	6.2	6.2	6.1	6.1	6.0	5.8	5.9	6.6
70°	8.1	8.1	8.2	8.2	8.2	8.1	8.1	7.9	7.8	8.0	8.9
67.5°	9.5	10.1	10.3	10.3	10.3	10.1	9.5	9.0	8.4	8.8	10.2
65°	12.7	14.0	13.4	12.3	13.4	14.0	12.7	11.5	10.2	10.4	11.8
62.5°	10.6	10.5	10.3	10.3	10.3	10.5	10.6	10.6	10.4	11.2	12.7
60°	8.4	8.3	8.2	8.2	8.2	8.3	8.4	8.6	8.9	9.8	11.1
57.5°	9.3	10.0	10.3	10.3	10.3	10.0	9.3	8.7	8.2	9.0	9.7
55°	10.2	10.3	10.3	10.3	10.3	10.3	10.2	9.9	9.5	10.1	10.9
52.5°	12.0	12.2	12.3	12.3	12.3	12.2	12.0	11.8	11.6	11.9	12.0
50°	14.8	14.5	14.4	14.4	14.4	14.5	14.8	14.9	14.8	14.6	14.4
47.5°	18.8	18.5	18.4	18.5	18.4	18.5	18.8	18.9	19.4	19.5	18.5
45°	28.0	27.2	26.5	26.7	26.5	27.2	28.0	28.1	32.1	32.7	27.5
42.5°	53.7	55.6	57.8	61.6	57.8	55.6	53.7	50.6	56.3	64.3	69.9
40°	91.6	88.9	85.5	86.2	85.5	88.9	91.6	90.7	92.2	87.5	88.2
37.5°	190.4	183.2	169.5	160.1	169.5	183.2	190.4	184.7	169.4	149.6	147.3
35°	391.3	382.0	359.5	353.1	359.5	382.0	391.3	431.4	405.9	265.1	319.7
32.5°	1842.0	2053.2	2119.5	2122.5	2119.5	2053.2	1842.0	1706.7	1374.7	1131.7	1049.3
30°	4727.1	4675.7	4219.6	3750.3	4219.6	4675.7	4727.1	4678.6	4056.3	3583.1	2920.7
27.5°	11376.6	12766.4	13770.2	13445.2	13770.2	12766.4	11376.6	10079.8	8628.0	8055.8	6335.9
25°	20490.3	21473.9	21796.6	21317.3	21796.6	21473.9	20490.3	18540.9	16763.6	15558.9	13293.3
22.5°	32169.4	32760.0	32708.6	31630.1	32708.6	32760.0	32169.4	30265.0	28815.4	26366.3	23315.7
20°	48444.4	48350.2	48834.2	46639.4	48834.2	48350.2	48444.4	45686.5	43721.3	39364.4	34776.2
17.5°	71463.2	75243.9	78122.3	77846.6	78122.3	75243.9	71463.2	66266.3	61496.9	55646.4	48038.6
15°	95915.4	101627.9	105532.5	105786.0	105532.5	101627.9	95915.4	88911.0	79955.8	71640.1	60699.1
12.5°	117170.9	123280.0	126596.2	126092.3	126596.2	123280.0	117170.9	107841.0	96301.8	84000.7	71353.1
10°	130711.3	135413.5	138903.5	139770.5	138903.5	135413.5	130711.3	122885.6	109885.6	95822.4	79614.4
7.5°	136140.8	140541.7	143583.9	143538.2	143583.9	140541.7	136140.8	129521.4	117842.5	103153.1	86123.5
5°	137145.5	141478.6	143200.6	143526.9	143200.6	141478.6	137145.5	130990.6	120503.1	105799.6	88235.1
2.5°	138133.7	141726.2	143597.7	142886.5	143597.7	141726.2	138133.7	131496.1	122385.9	108882.1	91227.0
0°	138520.3	141400.3	142862.9	142410.3	142862.9	141400.3	138520.3	133329.1	124508.6	111521.2	91825.5
-2.5°	138387.9	140282.4	141520.4	141092.4	141520.4	140282.4	138387.9	132759.2	123802.7	110587.5	92207.3
-5°	134846.5	136478.0	137054.9	137370.9	137054.9	136478.0	134846.5	129774.3	121233.6	107552.4	90105.0
-7.5°	123466.0	125610.3	124920.8	125960.9	124920.8	125610.3	123466.0	119746.3	113019.6	100274.1	83097.5
-10°	112207.6	114294.3	113578.4	114249.2	113578.4	114294.3	112207.6	107964.7	101080.6	89781.1	73905.5
-12.5°	101591.2	104216.1	104177.1	105129.1	104177.1	104216.1	101591.2	95751.2	88584.3	76962.3	64838.0
-15°	88827.7	92170.6	93991.3	95159.1	93991.3	92170.6	88827.7	81900.4	73736.1	64315.9	54648.2
-17.5°	75345.0	79644.0	82706.8	83177.5	82706.8	79644.0	75345.0	68353.2	61551.6	53954.2	46878.9
-20°	64979.6	68855.3	71737.9	72667.7	71737.9	68855.3	64979.6	59829.4	53834.6	48001.4	41424.5



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	56296.5	59494.8	61578.9	62092.2	61578.9	59494.8	56296.5	52662.5	47640.5	41682.3	36225.8
-25°	47890.8	49679.0	50773.0	51186.2	50773.0	49679.0	47890.8	45170.7	41019.1	35951.9	31028.7
-27.5°	41049.6	42325.1	42871.3	43086.2	42871.3	42325.1	41049.6	38679.0	35577.0	31299.8	27006.9
-30°	35322.9	36302.3	36902.4	37125.2	36902.4	36302.3	35322.9	33307.3	30670.5	27228.9	23640.2
-32.5°	30608.8	31583.7	32216.1	32442.9	32216.1	31583.7	30608.8	28682.9	26162.6	23403.0	20595.4
-35°	26194.8	27000.7	27576.9	27844.9	27576.9	27000.7	26194.8	24716.4	22535.5	20183.5	18073.4
-37.5°	22293.3	23020.4	23500.3	23649.2	23500.3	23020.4	22293.3	21116.9	19283.5	17516.4	15362.5
-40°	17881.6	18537.8	18902.7	18884.9	18902.7	18537.8	17881.6	16937.6	15262.1	13448.4	11389.5
-42.5°	12811.8	13474.5	13942.9	14295.0	13942.9	13474.5	12811.8	11872.2	10282.0	8461.4	6629.0
-45°	7278.6	7823.1	8173.7	8338.1	8173.7	7823.1	7278.6	6525.6	5400.6	4087.7	2835.5
-47.5°	3170.1	3268.9	3318.6	3319.2	3318.6	3268.9	3170.1	3035.3	2808.6	2522.5	2240.3
-50°	2433.7	2495.8	2531.6	2541.2	2531.6	2495.8	2433.7	2361.8	2262.6	2127.9	1996.9
-52.5°	2129.4	2150.9	2160.6	2161.5	2160.6	2150.9	2129.4	2106.5	2073.9	2006.2	1937.7
-55°	2052.0	2087.7	2102.1	2099.9	2102.1	2087.7	2052.0	2009.8	1960.0	1859.3	1750.3
-57.5°	1773.8	1809.5	1830.2	1837.2	1830.2	1809.5	1773.8	1728.3	1673.9	1568.5	1455.7
-60°	1376.2	1398.6	1418.0	1430.7	1418.0	1398.6	1376.2	1344.8	1304.3	1227.9	1138.4
-62.5°	1030.0	1048.8	1066.9	1079.7	1066.9	1048.8	1030.0	1005.1	974.5	922.0	857.0
-65°	732.6	742.0	757.0	769.8	757.0	742.0	732.6	717.9	697.6	661.7	613.6
-67.5°	490.8	499.7	505.2	507.0	505.2	499.7	490.8	478.5	463.0	439.5	407.2
-70°	299.0	302.4	308.8	314.1	308.8	302.4	299.0	293.3	285.2	271.9	252.8
-72.5°	180.9	186.2	186.3	184.7	186.3	186.2	180.9	174.6	167.6	159.9	151.7
-75°	102.3	103.6	104.4	104.7	104.4	103.6	102.3	100.4	97.9	94.6	89.7
-77.5°	57.7	58.9	58.4	57.5	58.4	58.9	57.7	56.2	54.5	52.3	48.9
-80°	30.0	30.7	30.8	30.8	30.8	30.7	30.0	29.2	28.4	27.6	27.1
-82.5°	21.8	22.5	21.5	20.5	21.5	22.5	21.8	21.1	20.4	19.6	18.8
-85°	12.2	12.3	12.3	12.3	12.3	12.3	12.2	12.1	12.0	11.9	11.3
-87.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.1	6.1
-90°	2.1	2.1	1.1	0.0	1.1	2.1	2.1	2.1	2.1	2.1	2.6





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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5.2	5.7	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
87.5°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.3	4.4	4.4	4.3
80°	4.1	4.1	4.1	4.4	4.6	4.7	4.7	5.0	5.3	5.7	5.7
77.5°	4.1	4.1	4.2	4.7	5.3	5.8	6.2	6.1	6.0	6.1	6.1
75°	4.8	5.0	5.2	5.4	5.7	6.0	6.4	6.7	6.9	6.9	6.6
72.5°	7.2	7.6	7.8	7.8	7.6	7.7	7.9	8.0	8.1	8.2	7.8
70°	9.7	10.5	11.5	12.2	12.4	12.3	11.9	11.2	10.2	9.8	9.1
67.5°	11.5	12.5	14.3	16.5	17.9	18.5	18.2	17.1	16.0	14.8	11.7
65°	13.2	14.5	16.2	18.2	20.3	22.8	25.8	26.1	24.8	21.9	15.9
62.5°	14.3	16.2	17.4	18.7	20.5	24.2	30.8	34.3	35.1	30.9	23.3
60°	12.7	14.6	16.2	17.8	19.4	25.7	35.0	42.1	47.0	39.9	30.1
57.5°	10.2	11.2	13.3	15.6	17.9	26.3	37.1	48.5	56.1	45.6	35.6
55°	11.9	12.4	12.8	13.5	15.2	24.5	35.7	47.8	54.4	47.6	36.7
52.5°	12.2	12.8	13.4	14.0	16.2	22.3	30.6	42.7	46.4	40.8	34.3
50°	14.2	14.2	14.1	14.2	16.6	20.8	27.3	36.2	35.8	33.4	27.9
47.5°	18.2	17.9	16.6	16.2	18.6	19.6	24.3	28.3	29.1	26.6	22.6
45°	32.9	32.3	23.2	24.1	25.5	26.1	24.3	26.7	26.3	24.1	19.0
42.5°	61.7	63.4	64.3	47.6	38.7	38.2	35.6	33.4	30.8	25.7	23.1
40°	86.9	76.6	79.8	80.3	65.4	55.2	55.2	46.8	41.9	34.9	33.1
37.5°	133.0	110.8	118.2	102.4	93.5	88.8	87.8	74.4	56.6	62.0	58.3
35°	261.8	229.5	236.9	202.0	148.7	171.1	146.0	118.6	103.5	105.7	95.2
32.5°	637.8	629.2	512.9	434.2	373.3	330.0	273.6	194.1	203.3	188.3	151.1
30°	2208.2	1638.7	1157.0	1030.4	948.4	634.5	471.2	457.4	365.7	304.4	229.2
27.5°	5709.3	3672.4	2772.5	2815.3	2080.6	1404.3	1134.4	923.4	627.9	474.0	362.1
25°	12081.4	9394.1	7022.9	6279.5	4820.6	3183.8	2537.3	1864.0	1183.7	686.2	556.4
22.5°	20890.8	17568.8	13938.2	11146.6	8906.4	6735.4	4962.1	3215.6	1891.4	1097.0	788.7
20°	29863.5	26396.1	21626.5	17308.6	13828.6	10485.2	8031.5	5353.0	3200.6	1723.6	1035.2
17.5°	40853.5	35202.3	28963.3	23299.1	19098.9	15053.9	10954.3	7587.3	4727.5	2381.1	1287.9
15°	51513.3	43111.9	35331.7	28848.6	23828.8	17992.5	13430.9	9639.5	6470.9	3424.9	1777.7
12.5°	59939.5	50135.4	41348.2	32618.6	26623.4	20291.0	15716.9	11748.0	8054.7	4512.9	2196.2
10°	66828.2	55675.6	45472.0	36529.8	29246.2	22460.5	17188.8	12758.0	8648.8	5280.1	2578.6
7.5°	71050.1	59304.7	48804.8	39232.1	31465.6	24439.0	18079.2	13174.1	8948.5	5822.9	2916.3
5°	73115.1	61658.7	50974.1	40534.8	32898.1	26059.9	18955.0	13302.6	8990.9	6160.3	3199.6
2.5°	75118.5	62989.1	52205.8	41053.2	33685.1	27175.8	19833.1	13391.4	9073.2	6314.9	3293.3
0°	75919.2	63570.1	52742.1	41183.3	33968.1	27573.9	20635.8	13424.7	9126.3	6318.2	3311.0
-2.5°	75065.2	62774.8	52294.3	40815.8	33661.9	27552.3	20926.9	14437.6	9700.9	6624.7	3404.2
-5°	73107.1	60734.1	49916.2	39245.9	31999.8	26054.1	20041.6	14478.8	9834.1	6663.2	3409.2
-7.5°	68250.3	56986.9	46533.0	36838.0	29657.6	23809.4	18376.9	13495.0	9231.1	6076.9	3133.7
-10°	61272.1	51935.8	42008.2	33464.6	26818.8	21294.2	16634.6	12306.2	8455.3	5375.8	2793.0
-12.5°	54152.5	45613.1	36958.1	29332.0	23523.2	18424.0	14642.8	10928.6	7506.9	4579.6	2396.7
-15°	45992.5	38095.8	31622.1	25599.4	20025.4	15594.9	12551.9	9564.8	6674.4	3781.6	1952.7
-17.5°	39842.3	32145.7	26893.8	22301.4	17292.2	13226.5	10878.2	8533.3	5866.2	3186.6	1568.9
-20°	35270.0	29322.3	24028.3	19472.6	15290.2	12006.0	9801.8	7558.7	4919.4	2675.4	1485.3



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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°	31515.9	26940.6	22076.9	17227.8	13742.2	11208.2	8942.6	6548.5	3826.0	2033.9	1379.9
-25°	27675.2	24306.7	20007.7	15925.2	12609.9	10202.4	7826.5	5187.0	2990.9	1632.3	1267.3
-27.5°	23967.7	21007.6	17950.2	14470.0	11771.5	8960.8	6274.5	3752.8	2073.7	1484.6	1226.3
-30°	20529.1	18053.5	15645.9	13256.5	10499.1	7580.0	4477.4	2681.9	1694.1	1350.9	1184.0
-32.5°	17827.2	15925.9	13910.5	11572.1	8757.9	5601.0	3276.2	1863.1	1493.0	1295.3	1187.5
-35°	16067.6	14000.4	11860.7	9115.4	6249.7	3789.8	2090.6	1653.0	1394.5	1251.5	1204.1
-37.5°	13365.6	11333.2	8537.2	5906.1	3768.1	2256.9	1800.0	1519.3	1328.3	1265.6	1168.2
-40°	9253.9	6970.4	4997.9	3011.2	2252.9	1870.1	1631.4	1442.5	1362.3	1243.6	1105.5
-42.5°	5074.0	3409.2	2463.4	2142.9	1855.1	1700.5	1557.7	1479.6	1355.9	1186.8	1010.1
-45°	2542.4	2261.8	1995.4	1864.2	1722.8	1644.1	1595.0	1448.1	1275.4	1084.6	900.0
-47.5°	2077.0	1957.1	1841.2	1773.8	1712.2	1635.9	1492.9	1338.0	1139.7	956.2	803.9
-50°	1901.2	1851.8	1805.5	1741.7	1609.6	1475.9	1323.5	1160.4	986.0	833.3	698.7
-52.5°	1859.5	1755.4	1650.1	1541.1	1407.4	1260.2	1112.7	976.9	833.6	708.2	593.3
-55°	1633.0	1517.6	1405.0	1286.2	1165.8	1047.1	924.1	804.1	693.8	584.7	489.3
-57.5°	1341.7	1234.9	1138.6	1044.0	952.2	850.1	746.9	647.1	559.1	470.8	386.0
-60°	1044.8	952.6	886.7	816.3	741.4	657.9	578.8	502.2	428.7	362.2	294.5
-62.5°	789.3	719.8	663.9	607.5	548.0	484.6	423.2	369.6	315.8	261.1	216.6
-65°	563.0	510.4	462.6	422.7	381.6	339.1	293.4	255.6	221.9	186.4	150.8
-67.5°	372.5	335.6	302.0	273.4	251.2	227.4	200.2	171.2	149.4	130.9	111.0
-70°	233.1	213.2	194.8	176.7	161.6	148.5	133.8	118.2	102.6	88.7	74.6
-72.5°	142.7	133.1	123.3	113.6	103.2	94.3	84.9	74.4	63.5	52.0	43.1
-75°	84.1	77.8	71.2	65.1	58.6	51.5	46.6	42.2	37.7	33.3	28.9
-77.5°	45.6	42.4	39.5	37.2	34.6	31.7	28.5	25.7	24.0	22.3	20.5
-80°	26.4	25.7	24.8	23.7	22.7	21.7	20.6	19.3	17.8	16.5	15.2
-82.5°	18.0	17.1	16.2	15.7	15.2	14.6	14.0	13.2	12.4	11.7	11.0
-85°	10.7	10.1	9.5	9.5	9.5	9.5	9.5	9.4	9.3	9.2	9.1
-87.5°	6.1	6.2	6.2	6.6	7.1	7.5	7.8	7.8	7.7	7.7	7.6
-90°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1





REPORT NUMBER: P701571 (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°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6	5.2	5.7
85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6	5.2	5.7
82.5°	4.1	4.1	4.1	4.1	4.4	4.6	4.7	4.7	4.9	5.2	5.7
80°	5.1	4.6	4.3	4.2	4.7	5.2	5.5	5.6	5.5	5.6	5.8
77.5°	5.8	5.2	4.5	4.2	4.8	5.3	5.8	6.2	6.1	5.9	6.0
75°	6.2	6.0	5.5	5.1	5.1	5.3	5.8	6.2	6.2	6.2	6.1
72.5°	7.0	6.5	6.3	6.2	5.8	5.8	6.0	6.2	6.2	6.2	6.2
70°	8.1	7.0	6.3	6.2	6.2	6.2	6.1	6.2	6.2	6.2	6.2
67.5°	9.3	8.2	7.0	6.3	6.2	6.2	6.2	6.2	6.2	6.2	6.2
65°	12.4	9.7	8.1	7.1	6.4	6.2	6.2	6.2	6.2	6.2	6.2
62.5°	16.6	11.4	9.2	8.0	6.9	6.3	6.2	6.2	6.2	6.2	6.2
60°	22.4	15.5	10.9	9.3	7.8	6.4	6.2	6.2	6.2	6.2	6.2
57.5°	26.2	19.3	14.7	11.3	9.3	7.3	6.4	6.4	6.2	6.2	6.2
55°	27.9	20.9	17.5	13.7	10.9	9.0	7.1	6.7	6.3	6.2	6.3
52.5°	26.1	21.9	19.1	15.5	12.3	10.5	8.6	7.1	6.7	6.2	6.4
50°	21.6	21.9	20.2	17.0	13.3	11.3	10.0	8.2	7.2	6.4	6.5
47.5°	19.4	21.3	20.8	18.2	14.5	12.1	10.8	9.2	7.8	6.9	6.6
45°	20.2	20.5	21.2	19.3	16.1	13.5	11.5	10.2	8.6	7.5	6.7
42.5°	23.0	22.5	21.4	20.6	18.1	15.0	12.2	10.8	9.3	8.1	7.0
40°	30.3	26.7	23.1	22.7	20.6	16.5	13.5	11.4	9.9	8.7	7.6
37.5°	40.1	34.4	28.2	27.6	24.0	19.0	14.7	12.0	10.6	9.3	8.1
35°	70.7	45.6	43.9	39.0	30.3	21.9	15.9	12.7	11.3	9.9	8.6
32.5°	109.5	82.8	77.8	58.3	38.6	25.1	18.1	14.4	12.1	10.5	9.1
30°	183.0	175.4	126.9	82.8	51.8	32.8	21.6	16.4	13.0	11.0	9.5
27.5°	322.0	297.7	198.5	127.9	75.2	42.7	27.0	18.7	13.8	11.6	10.0
25°	480.7	434.9	318.5	187.8	102.1	68.0	33.1	21.3	15.3	12.3	10.4
22.5°	661.6	578.7	458.5	257.0	157.2	101.8	46.7	26.1	17.3	13.0	10.8
20°	841.9	730.5	606.6	344.2	226.8	148.7	71.1	31.4	19.4	13.7	11.2
17.5°	1028.3	855.9	686.5	449.4	298.9	199.5	99.7	36.9	21.5	14.4	11.5
15°	1179.2	938.6	756.5	540.4	366.6	253.0	131.7	42.5	23.7	15.1	11.8
12.5°	1302.9	1016.3	821.4	618.2	429.9	308.3	166.0	48.2	25.8	15.8	12.0
10°	1415.0	1088.3	880.9	683.7	489.1	364.1	201.3	53.8	28.2	16.4	12.1
7.5°	1514.3	1153.9	934.7	738.2	536.9	399.0	223.1	59.0	30.6	17.0	12.2
5°	1591.8	1206.2	969.0	754.2	541.7	407.9	239.6	63.8	32.9	17.6	12.2
2.5°	1618.3	1241.6	989.7	759.1	542.6	411.5	252.2	68.1	35.0	18.1	12.3
0°	1627.8	1268.6	1003.8	757.4	539.9	410.5	260.7	71.8	36.9	18.5	12.3
-2.5°	1641.1	1274.3	1019.7	789.2	567.3	425.2	274.6	89.6	48.2	24.8	14.5
-5°	1638.9	1271.5	1029.1	814.0	590.2	436.2	284.5	106.3	58.9	30.7	16.7
-7.5°	1582.9	1239.5	1020.9	828.7	607.4	443.5	290.6	121.5	68.7	36.2	18.7
-10°	1503.4	1187.0	990.4	820.2	619.5	452.8	294.3	135.0	77.5	41.1	20.4
-12.5°	1409.8	1129.2	962.1	810.2	627.6	463.7	301.1	147.9	85.1	45.1	21.8
-15°	1302.7	1067.0	938.3	800.4	631.6	470.8	303.2	158.9	92.4	48.8	22.9
-17.5°	1193.1	1001.4	921.5	792.4	631.9	474.2	300.5	167.0	98.0	52.4	24.6
-20°	1157.1	979.9	911.0	787.6	628.5	473.9	292.9	171.7	101.7	54.9	26.6



REPORT NUMBER: P701571 (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°
-22.5°	1126.5	999.7	910.0	779.2	622.4	469.9	280.3	172.8	103.3	56.1	28.0
-25°	1093.5	1021.1	903.8	757.8	612.9	452.2	272.0	170.1	102.7	56.0	28.8
-27.5°	1099.7	1033.3	888.0	727.0	584.4	428.4	268.1	169.0	100.8	54.5	28.9
-30°	1124.0	1008.7	850.8	688.2	550.1	388.6	259.0	165.0	98.9	53.5	28.2
-32.5°	1128.3	972.5	799.4	646.0	504.8	347.7	240.9	157.8	95.1	52.7	28.0
-35°	1077.9	913.1	737.7	597.3	455.5	321.6	219.9	147.3	89.2	50.7	27.5
-37.5°	1021.5	840.1	678.6	542.7	405.1	291.0	201.5	133.8	81.2	47.7	26.5
-40°	934.2	766.2	618.9	487.0	363.5	256.1	180.2	120.6	75.3	43.5	24.8
-42.5°	840.5	695.1	558.6	431.2	320.5	229.1	156.9	105.8	68.3	40.1	22.5
-45°	756.7	620.6	494.4	379.3	275.3	199.1	138.6	90.4	60.3	36.7	20.2
-47.5°	668.5	544.9	429.4	322.7	238.4	168.8	118.5	80.4	51.5	32.4	18.6
-50°	580.3	467.3	362.4	273.2	197.9	144.4	99.1	69.5	45.4	27.2	16.7
-52.5°	488.8	389.0	299.8	223.3	165.7	118.0	85.8	58.2	38.6	23.5	14.4
-55°	396.6	315.2	239.1	181.3	133.9	99.3	71.4	49.4	31.1	20.3	12.0
-57.5°	312.9	242.1	189.6	143.4	108.7	81.7	58.9	39.9	26.1	16.8	11.7
-60°	233.4	188.4	145.2	113.8	87.4	65.2	46.9	31.2	21.5	13.7	11.3
-62.5°	174.8	139.1	113.8	88.4	67.6	50.1	35.3	25.4	16.6	12.9	10.9
-65°	128.1	105.8	84.3	66.2	49.5	36.2	27.9	19.2	14.6	12.0	10.3
-67.5°	91.3	75.3	60.0	44.7	35.3	27.6	20.1	15.9	13.1	11.0	9.8
-70°	60.7	47.4	39.3	32.5	25.6	19.5	16.6	13.9	11.6	10.4	9.3
-72.5°	38.0	32.7	27.3	21.9	19.0	16.3	13.8	11.9	10.9	9.8	8.7
-75°	24.5	22.0	19.8	17.5	15.2	13.1	12.1	11.2	10.2	9.2	8.5
-77.5°	18.7	16.9	15.0	13.7	12.6	11.7	11.0	10.4	9.5	8.9	8.4
-80°	14.1	13.1	12.2	11.4	10.8	10.3	10.0	9.6	9.0	8.6	8.3
-82.5°	10.4	10.1	9.9	9.7	9.5	9.2	9.0	8.7	8.4	8.2	8.0
-85°	8.9	8.8	8.7	8.5	8.4	8.2	8.0	7.9	7.7	7.6	7.4
-87.5°	7.6	7.5	7.4	7.3	7.3	7.2	7.1	7.0	7.0	6.9	6.8
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6	5.2	5.7



REPORT NUMBER: P701571 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
87.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
85°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
82.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
80°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
77.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
70°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
67.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
65°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
62.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
60°	6.2	6.2	6.2	6.2	6.2	6.2	6.2
57.5°	6.3	6.2	6.2	6.2	6.2	6.2	6.2
55°	6.4	6.2	6.2	6.2	6.2	6.2	6.2
52.5°	6.6	6.2	6.2	6.2	6.2	6.2	6.2
50°	6.8	6.4	6.2	6.2	6.2	6.2	6.2
47.5°	7.0	6.6	6.2	6.2	6.2	6.2	6.2
45°	7.1	6.8	6.2	6.2	6.2	6.2	6.2
42.5°	7.1	7.1	6.2	6.2	6.2	6.2	6.2
40°	7.2	7.3	6.3	6.2	6.2	6.2	6.2
37.5°	7.3	7.6	6.5	6.3	6.2	6.2	6.2
35°	7.5	7.8	6.7	6.3	6.2	6.2	6.2
32.5°	7.7	7.8	6.9	6.4	6.2	6.2	6.2
30°	8.0	7.9	7.1	6.5	6.2	6.2	6.2
27.5°	8.4	8.0	7.4	6.6	6.2	6.2	6.2
25°	8.8	8.1	7.6	6.7	6.2	6.2	6.2
22.5°	9.1	8.2	7.7	6.9	6.2	6.2	6.2
20°	9.5	8.2	7.9	7.0	6.2	6.2	6.2
17.5°	9.7	8.2	8.0	7.1	6.2	6.2	6.2
15°	9.9	8.2	8.1	7.3	6.2	6.2	6.2
12.5°	10.0	8.2	8.1	7.5	6.2	6.2	6.2
10°	10.1	8.2	8.2	7.6	6.2	6.2	6.2
7.5°	10.2	8.2	8.2	7.8	6.2	6.2	6.2
5°	10.3	8.2	8.2	7.9	6.2	6.2	6.2
2.5°	10.3	8.2	8.2	8.1	6.2	6.2	6.2
0°	10.3	8.2	8.2	8.2	6.2	6.2	6.2
-2.5°	10.8	8.4	8.2	8.2	6.3	6.2	6.2
-5°	11.3	8.7	8.2	8.2	6.4	6.2	6.2
-7.5°	11.8	8.9	8.2	8.2	6.5	6.2	6.2
-10°	12.2	9.1	8.2	8.1	6.5	6.2	6.2
-12.5°	12.5	9.2	8.2	8.1	6.6	6.2	6.2
-15°	12.8	9.3	8.2	8.1	6.7	6.2	6.2
-17.5°	13.0	9.4	8.2	8.0	6.7	6.2	6.2
-20°	13.5	9.5	8.2	8.0	6.8	6.2	6.2



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.6	9.5	8.2	8.0	6.8	6.2	6.2
-25°	15.3	9.6	8.2	8.0	6.9	6.2	6.2
-27.5°	15.7	9.8	8.2	8.0	6.9	6.2	6.2
-30°	15.7	9.9	8.2	8.0	6.9	6.2	6.2
-32.5°	15.3	9.7	8.3	8.0	6.9	6.2	6.2
-35°	15.0	9.5	8.4	8.1	6.9	6.2	6.2
-37.5°	14.7	9.3	8.5	8.1	6.9	6.2	6.2
-40°	14.2	9.4	8.5	8.2	6.9	6.2	6.2
-42.5°	13.3	9.4	8.6	8.2	6.8	6.2	6.2
-45°	12.3	9.4	8.6	8.2	6.8	6.2	6.2
-47.5°	11.0	9.4	8.6	8.2	6.7	6.2	6.2
-50°	10.7	9.4	8.5	8.1	6.6	6.2	6.2
-52.5°	10.5	9.3	8.5	7.9	6.5	6.2	6.2
-55°	10.4	9.1	8.4	7.7	6.4	6.2	6.2
-57.5°	10.1	9.0	8.3	7.5	6.3	6.2	6.2
-60°	9.8	8.8	8.2	7.3	6.2	6.2	6.2
-62.5°	9.5	8.6	8.0	7.2	6.2	6.2	6.2
-65°	9.1	8.3	7.8	7.0	6.2	6.2	6.2
-67.5°	8.7	8.1	7.7	6.8	6.2	6.2	6.2
-70°	8.3	8.0	7.5	6.6	6.2	6.2	6.2
-72.5°	8.2	7.9	7.3	6.6	6.2	6.2	6.2
-75°	8.2	7.8	7.2	6.5	6.2	6.2	6.2
-77.5°	8.2	7.7	7.0	6.5	6.2	6.2	6.2
-80°	8.2	7.5	6.9	6.4	6.2	6.2	6.2
-82.5°	7.7	7.2	6.7	6.4	6.2	6.2	6.2
-85°	7.2	6.8	6.5	6.3	6.2	6.2	6.2
-87.5°	6.7	6.5	6.4	6.3	6.2	6.2	6.2
-90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2

(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

