

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: P731554 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-3S-CV1**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731554 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0530N-57-70-3S-CV1  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

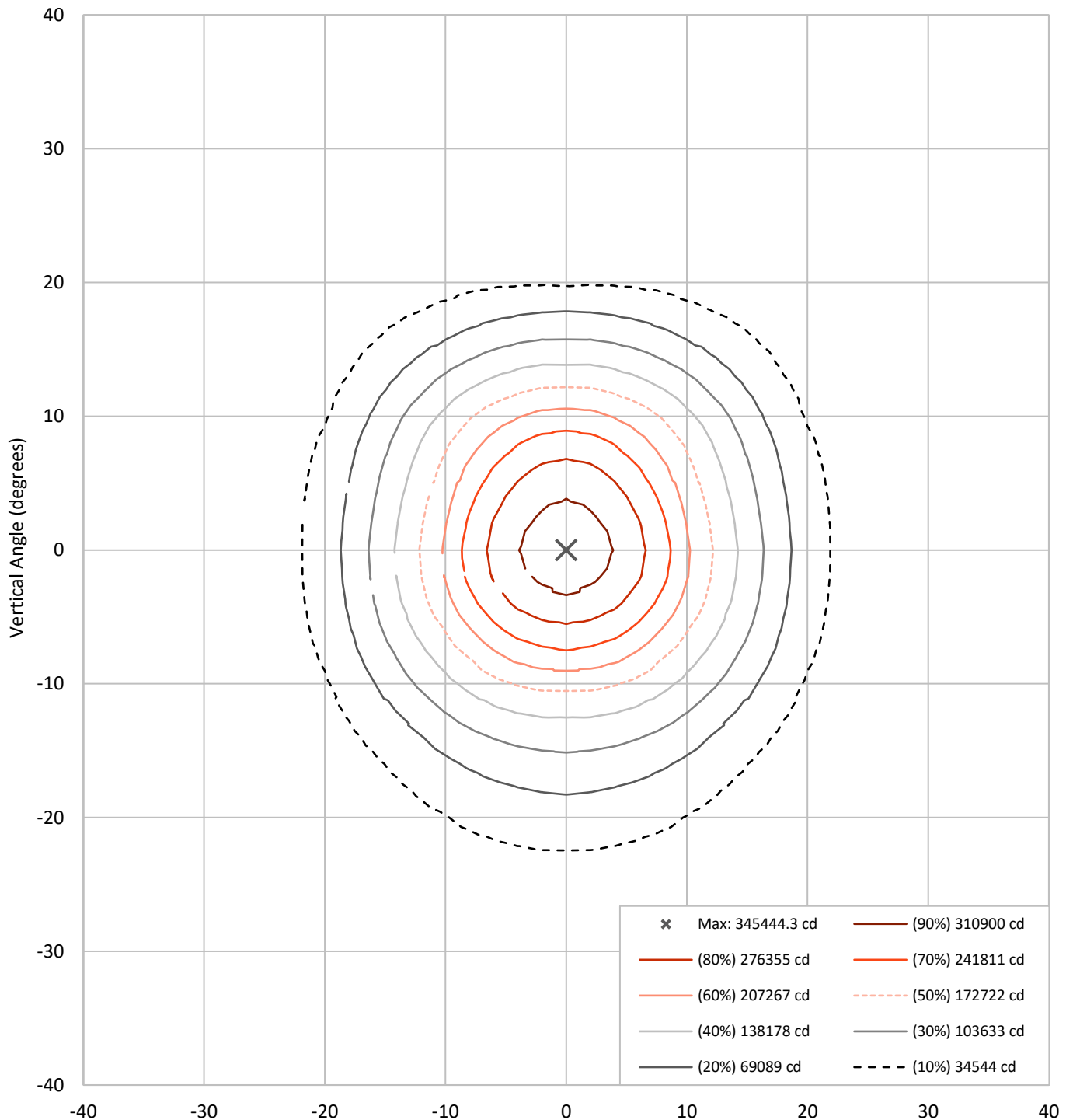
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	71596.1 lumens	Max Intensity:	345444.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	127.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.3°H x 22.7°V	Field Angle (10%):	43.8°H x 42.1°V
Beam Lumens:	33760.9 lumens	Field Lumens:	60990.6 lumens
Beam Efficiency:	47.2%	Field Efficiency:	85.2%

Input Watts (W): 559.9  
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-08-0530N-57-70-3S-CV1

### Iso-Candela Plot





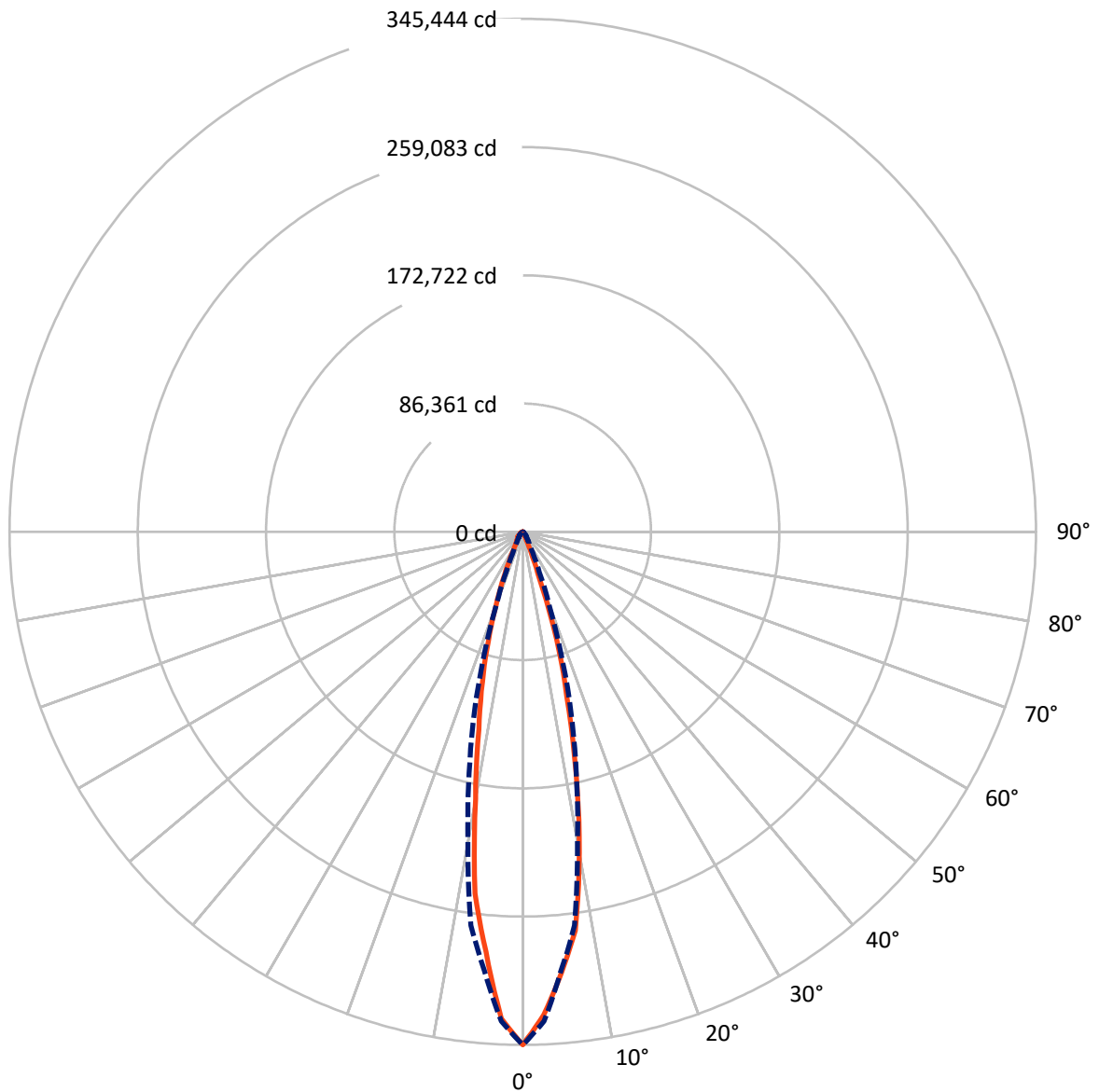
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### Lumen Table

90	0.1		0.2		0.4		0.5		0.5		0.5		0.4		0.2		0.1	
80	0.1		0.2		0.4		0.5		0.5		0.5		0.4		0.2		0.1	
70	0.1	0.1	0.2	0.6	0.8	0.5	0.4	0.4	0.4	0.4	0.5	0.8	0.6	0.2	0.1	0.1		
60		0.1	0.4	0.8	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.8	0.4	0.1			
50	0.1	0.2	0.6	0.6	0.7	1.0	1.9	1.3	1.3	1.9	1.0	0.7	0.6	0.6	0.2	0.1		
40		0.4	1.2	2.8	5.0	7.3	10.0	12.0	12.0	10.0	7.3	5.0	2.8	1.2	0.4			
30	0.2	0.7	4.9	15.2	35.3	58.8	120.8	232.4	232.4	120.8	58.8	35.3	15.2	4.9	0.7	0.2		
20		1.5	10.4	38.9	94.1	249.2	1372.1	3238.1	3238.1	1372.1	249.2	94.1	38.9	10.4	1.5			
10	0.3	2.3	13.8	51.7	121.1	531.5	3289.4	7714.3	7714.3	3289.4	531.5	121.1	51.7	13.8	2.3	0.3		
0		2.8	14.9	52.6	121.4	526.3	3231.9	7392.7	7392.7	3231.9	526.3	121.4	52.6	14.9	2.8			
-10	0.6	3.3	14.1	43.7	95.4	251.2	1310.3	2957.4	2957.4	1310.3	251.2	95.4	43.7	14.1	3.3	0.6		
-20		3.5	13.0	32.7	81.3	142.4	326.0	666.6	666.6	326.0	142.4	81.3	32.7	13.0	3.5			
-30	0.5	3.1	11.2	24.8	60.0	117.7	165.4	203.1	203.1	165.4	117.7	60.0	24.8	11.2	3.1	0.5		
-40		2.2	8.5	19.5	36.4	64.7	105.9	135.6	135.6	105.9	64.7	36.4	19.5	8.5	2.2			
-50	0.3	1.1	5.2	13.1	24.8	38.3	51.2	59.3	59.3	51.2	38.3	24.8	13.1	5.2	1.1	0.3		
-60		0.4	1.8	5.7	11.6	18.4	25.1	28.9	28.9	25.1	18.4	11.6	5.7	1.8	0.4			
-70	0.2	1.0	3.6	9.4	12.8	9.4	3.6	1.0	0.2	0.2								
-80		1.0	3.6	9.4	12.8	9.4	3.6	1.0	0.2									
-90	0.2		1.0		3.6		9.4		12.8		9.4		3.6		1.0		0.2	

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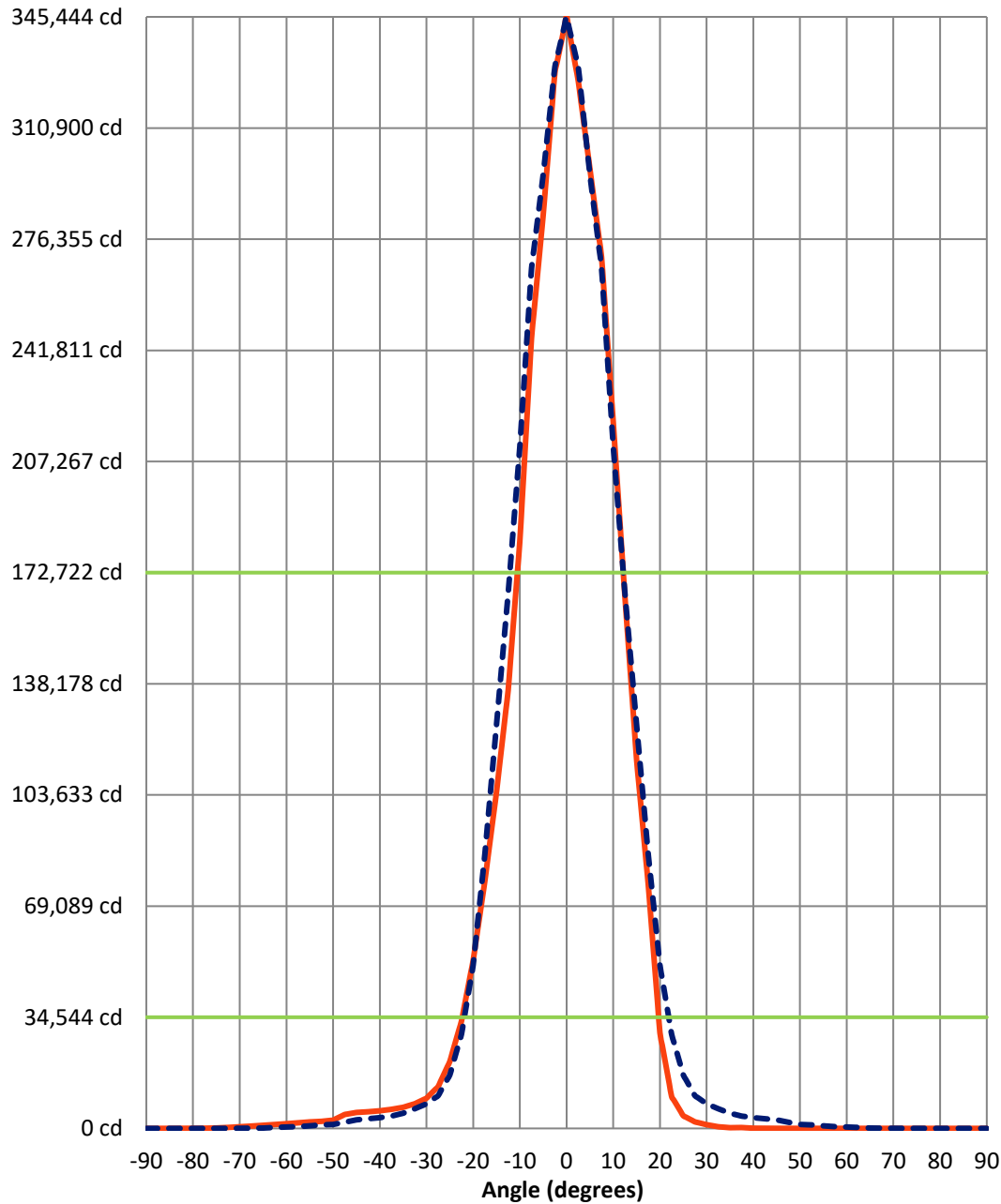
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 24.3°  
 V Angle: 22.7°  
 Lumens: 33760.9  
 Efficiency: 47.2%

**Field:**  
 H Angle: 43.8°  
 V Angle: 42.1°  
 Lumens: 60990.6  
 Efficiency: 85.2%

**Spill:**  
 Lumens: 10605.6  
 Efficiency: 14.8%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	3.5	4.4	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
87.5°	3.5	3.6	3.7	3.7	3.7	3.6	3.5	3.5	3.5	3.5	3.5
85°	3.5	3.7	3.8	3.9	3.8	3.7	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.7	4.0	4.0	4.0	3.8	3.5	3.5	3.5	3.6	3.5
80°	3.5	3.8	4.1	4.2	4.1	3.9	3.6	3.8	3.8	3.8	3.5
77.5°	3.5	3.9	4.3	4.4	4.3	4.1	4.1	4.2	4.2	4.0	3.6
75°	3.5	4.0	4.4	4.6	4.5	4.4	4.5	4.6	4.5	4.1	3.6
72.5°	3.5	4.0	4.6	4.8	4.6	4.7	4.9	5.0	4.6	4.1	3.7
70°	3.5	4.1	4.7	4.9	4.8	4.9	5.3	5.0	4.6	4.2	4.2
67.5°	3.5	4.2	4.9	5.0	4.9	5.2	5.3	5.1	4.7	4.6	4.9
65°	3.5	4.3	5.0	5.1	5.1	5.3	5.3	5.1	4.9	5.0	5.3
62.5°	3.5	4.3	5.2	5.1	5.2	5.3	5.3	5.2	5.1	5.4	5.5
60°	3.5	4.4	5.3	5.2	5.3	5.3	5.3	5.3	5.3	5.7	5.8
57.5°	3.5	4.5	5.3	5.2	5.3	5.3	5.4	5.3	5.6	6.0	6.1
55°	3.5	4.5	5.3	5.2	5.3	5.3	5.5	5.4	6.1	6.4	6.4
52.5°	3.5	4.6	5.3	5.3	5.3	5.3	5.6	5.8	6.5	6.9	6.9
50°	3.5	4.7	5.3	5.3	5.3	5.5	5.8	6.3	7.0	7.5	9.3
47.5°	3.5	4.7	5.3	5.3	5.3	5.7	6.0	6.8	7.6	8.1	11.6
45°	3.5	4.8	5.3	5.3	5.3	5.8	6.4	7.3	8.2	9.9	13.7
42.5°	3.5	4.8	5.3	5.3	5.3	6.0	6.8	7.8	8.7	11.6	17.7
40°	3.5	4.9	5.3	5.3	5.4	6.3	7.2	8.2	9.5	13.1	21.8
37.5°	3.5	4.9	5.3	5.3	5.6	6.5	7.6	8.7	10.6	15.0	25.8
35°	3.5	5.0	5.3	5.3	5.7	6.8	7.9	9.1	11.7	18.6	29.0
32.5°	3.5	5.0	5.3	5.3	5.9	7.1	8.3	9.5	12.7	22.2	31.9
30°	3.5	5.1	5.3	5.3	6.1	7.3	8.6	10.0	13.5	25.7	34.8
27.5°	3.5	5.1	5.3	5.3	6.2	7.6	9.0	10.7	15.1	29.2	37.9
25°	3.5	5.1	5.3	5.3	6.4	7.9	9.3	11.3	17.9	32.1	41.1
22.5°	3.5	5.2	5.3	5.3	6.5	8.1	9.6	11.9	20.5	34.6	46.9
20°	3.5	5.2	5.3	5.3	6.6	8.2	9.8	12.4	23.1	37.1	53.0
17.5°	3.5	5.2	5.3	5.3	6.7	8.4	10.1	12.8	25.5	39.5	59.5
15°	3.5	5.2	5.3	5.3	6.8	8.5	10.4	13.4	27.7	41.9	66.1
12.5°	3.5	5.3	5.3	5.3	6.8	8.6	10.8	14.1	30.3	44.1	72.8
10°	3.5	5.3	5.3	5.3	6.9	8.7	11.1	14.9	33.1	47.7	80.3
7.5°	3.5	5.3	5.3	5.3	6.9	8.7	11.4	15.6	35.8	51.4	89.5
5°	3.5	5.3	5.3	5.3	7.0	8.8	11.7	16.3	38.2	55.0	98.3
2.5°	3.5	5.3	5.3	5.3	7.0	8.8	12.0	17.0	40.3	58.3	106.6
0°	3.5	5.3	5.3	5.3	7.0	8.8	12.3	17.6	42.1	61.4	114.1
-2.5°	3.5	5.3	5.4	5.5	7.3	9.6	14.4	23.1	51.8	77.2	134.4
-5°	3.5	5.3	5.4	5.8	7.6	10.3	16.4	28.3	60.9	92.3	153.4
-7.5°	3.5	5.3	5.5	6.0	7.9	11.0	18.3	33.3	69.2	106.5	170.9
-10°	3.5	5.3	5.6	6.2	8.1	11.6	20.0	37.7	76.6	119.5	186.6
-12.5°	3.5	5.3	5.7	6.4	8.4	12.2	21.4	41.5	82.8	131.1	202.5
-15°	3.5	5.2	5.7	6.6	8.6	12.7	22.6	44.6	88.4	141.6	216.5
-17.5°	3.5	5.2	5.8	6.8	8.8	13.1	23.6	47.5	93.3	150.3	227.3
-20°	3.5	5.2	5.8	6.9	9.0	13.4	24.4	50.0	96.6	157.2	234.4



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.5	5.2	5.9	7.1	9.2	13.6	25.2	51.4	98.2	162.1	237.6
-25°	3.5	5.2	5.9	7.2	9.3	13.8	25.5	51.7	97.9	164.8	236.6
-27.5°	3.5	5.1	5.9	7.3	9.5	13.8	25.1	50.7	95.7	165.0	238.9
-30°	3.5	5.1	5.9	7.4	9.6	13.7	24.1	48.4	93.5	162.1	238.5
-32.5°	3.5	5.1	5.9	7.4	9.7	13.5	22.3	46.8	90.8	156.4	235.0
-35°	3.5	5.1	5.9	7.5	9.7	13.1	21.5	44.7	86.1	148.1	228.5
-37.5°	3.5	5.0	5.9	7.5	9.7	12.7	20.9	41.6	79.6	136.9	214.0
-40°	3.5	5.0	5.9	7.5	9.7	12.7	20.1	37.4	71.1	126.5	195.9
-42.5°	3.5	5.0	5.8	7.4	9.6	12.6	19.1	32.2	63.8	113.2	175.1
-45°	3.5	5.0	5.8	7.3	9.5	12.5	17.8	28.0	56.5	97.7	152.6
-47.5°	3.5	4.9	5.7	7.2	9.4	12.2	16.2	26.1	47.8	80.4	132.8
-50°	3.5	4.9	5.7	7.1	9.2	11.9	15.6	23.9	37.5	68.4	110.8
-52.5°	3.5	4.9	5.6	7.0	9.0	11.5	15.1	21.3	31.9	55.4	87.6
-55°	3.5	4.8	5.5	6.9	8.8	11.2	14.4	18.7	28.4	41.3	71.4
-57.5°	3.5	4.8	5.4	6.7	8.5	10.8	13.7	17.7	24.6	34.6	54.1
-60°	3.5	4.8	5.3	6.5	8.3	10.4	12.9	16.6	21.1	29.9	39.9
-62.5°	3.5	4.8	5.3	6.3	8.0	10.0	12.3	15.5	19.7	25.0	34.2
-65°	3.5	4.7	5.3	6.1	7.7	9.5	11.7	14.4	18.2	22.5	28.2
-67.5°	3.5	4.7	5.3	5.9	7.3	9.0	11.0	13.6	16.6	20.5	24.8
-70°	3.5	4.7	5.3	5.7	7.0	8.5	10.3	12.7	15.4	18.5	22.3
-72.5°	3.5	4.6	5.3	5.6	6.6	7.9	9.5	11.7	14.2	17.0	20.0
-75°	3.5	4.6	5.3	5.6	6.2	7.4	8.7	10.7	13.0	15.4	18.0
-77.5°	3.5	4.6	5.3	5.6	6.0	6.7	7.9	9.6	11.6	13.7	16.0
-80°	3.5	4.5	5.3	5.5	5.9	6.4	7.1	8.6	10.2	12.0	14.0
-82.5°	3.5	4.5	5.3	5.5	5.7	6.1	6.6	7.6	8.8	10.3	11.8
-85°	3.5	4.5	5.3	5.4	5.6	5.8	6.2	6.8	7.6	8.6	9.7
-87.5°	3.5	4.4	5.3	5.4	5.4	5.6	5.7	6.1	6.5	7.0	7.5
-90°	3.5	3.5	3.5	3.5	3.5	3.5	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°	5.7	6.2	6.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
87.5°	3.1	2.7	2.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	3.1	2.7	2.3	2.1	2.1	2.0	2.0	1.8	1.8	1.8	1.8
82.5°	3.3	3.1	3.0	3.0	2.9	2.6	2.3	2.0	2.1	2.1	2.0
80°	3.4	3.5	3.5	3.5	3.3	3.2	3.1	3.2	3.1	2.8	2.6
77.5°	3.5	3.5	3.5	3.5	3.5	3.7	3.9	4.4	4.4	4.2	4.0
75°	3.5	3.5	3.6	3.6	3.7	4.1	4.7	5.2	5.1	5.0	5.0
72.5°	3.8	4.0	4.0	3.7	4.1	4.7	5.1	5.3	6.3	7.7	8.7
70°	4.5	4.6	4.5	4.6	5.0	5.7	7.5	10.0	12.4	14.2	16.5
67.5°	5.2	5.0	5.0	5.5	6.7	8.7	11.5	17.7	24.5	27.3	28.6
65°	5.3	5.2	5.7	6.9	8.6	13.8	20.6	28.6	37.0	38.9	38.7
62.5°	5.3	5.6	6.5	9.1	14.0	20.5	29.3	38.3	47.2	45.7	40.4
60°	5.5	5.7	8.9	14.0	19.9	28.6	38.3	43.1	45.9	45.6	39.3
57.5°	5.7	7.7	13.0	19.7	28.0	35.5	38.6	41.5	43.2	44.6	37.0
55°	7.1	11.2	18.0	26.8	33.5	35.0	36.8	37.8	39.3	36.5	28.2
52.5°	10.3	15.2	24.1	31.9	34.8	34.5	32.7	32.9	30.5	26.6	22.4
50°	13.3	21.0	29.5	34.3	35.6	33.0	28.3	26.9	24.4	21.3	18.4
47.5°	17.8	26.6	32.7	36.7	35.8	32.0	26.6	23.3	20.7	19.8	17.1
45°	22.8	30.6	36.3	38.0	36.1	31.3	26.9	21.1	22.3	22.1	21.8
42.5°	27.6	33.8	38.7	40.1	36.1	32.9	29.0	27.6	27.5	31.0	33.4
40°	30.6	37.0	41.5	41.9	37.5	36.7	39.4	41.0	39.5	45.5	50.5
37.5°	33.3	40.2	45.8	47.9	42.4	46.7	53.3	71.9	73.6	63.0	80.7
35°	35.9	44.0	54.4	62.5	62.2	62.7	91.0	119.1	132.2	115.8	131.1
32.5°	39.1	48.3	66.3	87.6	105.3	108.1	138.8	196.0	222.8	223.9	221.8
30°	43.7	59.6	84.8	120.0	164.6	207.9	231.3	294.1	337.2	411.0	466.9
27.5°	50.1	74.1	116.1	174.7	245.1	331.0	383.2	419.6	525.9	663.8	812.5
25°	57.5	103.5	152.2	244.9	364.5	473.6	540.3	583.9	769.5	1043.2	1234.7
22.5°	73.4	141.2	205.0	324.7	499.3	622.0	692.4	833.1	1120.9	1488.4	1715.0
20°	101.0	187.5	266.9	397.4	637.3	773.9	840.5	1119.8	1564.1	1940.8	2253.1
17.5°	132.8	234.0	328.4	482.6	714.8	890.8	1004.0	1426.7	2036.2	2374.6	2732.2
15°	167.7	280.6	383.2	558.3	789.5	960.0	1204.9	1796.7	2468.0	2791.1	3160.1
12.5°	204.8	326.5	431.7	624.7	863.1	1024.0	1384.7	2060.6	2690.9	3128.4	3607.1
10°	242.6	371.4	474.4	682.0	934.2	1082.8	1553.6	2280.6	2808.7	3220.2	3778.8
7.5°	266.0	402.3	509.4	730.5	1001.0	1136.6	1707.8	2458.2	2892.4	3274.6	3802.2
5°	283.0	417.2	526.7	763.5	1047.6	1179.3	1833.7	2595.1	2946.7	3296.3	3760.6
2.5°	295.5	428.7	541.3	788.3	1076.2	1208.7	1892.9	2647.8	2982.7	3322.9	3766.8
0°	303.6	437.0	552.9	805.6	1095.2	1233.9	1923.7	2666.1	3004.9	3345.4	3829.8
-2.5°	314.4	449.0	571.3	823.3	1100.0	1239.5	1928.2	2659.0	3017.6	3399.2	3897.9
-5°	321.5	457.6	586.1	833.2	1096.6	1240.2	1903.9	2621.0	2999.3	3385.9	3871.7
-7.5°	325.7	463.0	596.7	834.1	1077.8	1221.5	1821.3	2501.6	2896.3	3259.1	3736.5
-10°	329.2	470.4	606.6	819.9	1041.5	1188.8	1704.8	2359.8	2782.0	3116.2	3564.5
-12.5°	340.2	480.6	614.0	802.7	1004.3	1151.9	1562.3	2200.0	2658.7	2959.2	3379.0
-15°	348.0	488.9	618.4	784.0	968.2	1111.1	1394.7	2025.8	2564.8	2902.3	3262.2
-17.5°	352.5	495.5	619.9	765.1	935.3	1066.7	1210.6	1864.2	2490.0	2871.5	3203.8
-20°	353.9	500.8	618.9	747.1	906.4	1040.3	1169.7	1668.1	2307.1	2822.4	3152.2



REPORT NUMBER: P731554 (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°	352.1	505.2	617.3	738.9	887.7	1028.5	1154.1	1451.3	2065.5	2751.5	3086.1
-25°	351.1	499.2	617.0	727.4	866.6	1014.1	1137.9	1248.7	1794.0	2479.0	2997.3
-27.5°	348.9	489.8	604.6	709.1	840.2	994.0	1118.8	1228.1	1543.7	2169.3	2857.8
-30°	341.0	464.9	587.5	686.2	813.6	959.9	1097.2	1213.0	1331.0	1853.2	2495.5
-32.5°	323.4	437.6	559.5	664.0	780.4	920.5	1066.6	1186.4	1306.3	1497.9	2107.1
-35°	304.7	411.9	526.7	636.4	740.4	875.1	1014.7	1150.9	1270.1	1395.5	1692.8
-37.5°	290.3	383.7	492.5	601.8	705.1	823.4	957.2	1094.9	1223.3	1352.8	1499.1
-40°	272.9	353.1	458.4	563.2	666.3	773.1	896.5	1026.7	1161.3	1310.3	1447.5
-42.5°	252.1	330.4	422.5	523.3	623.3	725.9	832.4	955.7	1096.5	1254.0	1399.2
-45°	226.0	304.3	385.7	480.2	576.8	674.5	775.8	882.6	1023.7	1174.1	1328.5
-47.5°	196.9	274.1	352.7	433.5	526.2	620.4	715.0	822.9	942.1	1082.1	1232.2
-50°	166.6	238.1	314.8	389.5	471.4	561.8	653.0	757.0	869.3	986.0	1117.4
-52.5°	139.0	198.8	270.4	344.4	418.0	498.2	587.3	684.2	788.3	899.2	1007.4
-55°	108.9	162.4	221.9	292.4	365.0	436.5	513.1	601.9	697.7	799.0	900.2
-57.5°	84.6	124.7	175.9	234.8	303.5	374.7	442.7	513.7	597.5	688.3	776.9
-60°	63.4	92.1	130.9	180.8	236.0	301.7	369.5	435.1	501.6	568.7	647.0
-62.5°	44.0	66.3	93.2	127.7	175.0	226.3	285.8	348.3	411.7	469.4	526.6
-65°	37.0	44.4	62.9	88.1	114.8	158.2	205.8	255.7	311.4	361.2	412.6
-67.5°	29.6	36.4	43.1	53.1	76.1	101.2	128.2	170.3	213.7	249.6	286.4
-70°	25.8	28.9	34.3	40.2	46.0	56.2	78.2	101.6	125.1	148.4	178.5
-72.5°	22.7	25.3	28.0	30.9	35.7	40.6	45.5	50.5	63.7	81.5	97.9
-75°	20.0	21.7	23.8	26.2	28.6	30.8	33.2	37.3	41.4	45.6	49.6
-77.5°	17.5	18.7	20.1	21.7	23.4	25.3	27.2	29.0	30.7	32.3	34.1
-80°	14.9	15.8	16.7	17.8	19.0	20.2	21.5	23.0	24.1	25.1	26.3
-82.5°	12.5	13.1	13.7	14.3	14.9	15.4	16.0	16.8	17.6	18.4	19.1
-85°	10.1	10.5	10.9	11.3	11.6	12.0	12.4	12.7	13.0	13.3	13.6
-87.5°	7.9	8.3	8.7	9.0	9.1	9.2	9.4	9.5	9.6	9.7	9.8
-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°	7.0	7.5	7.9	8.4	8.8	8.8	8.8	8.8	8.8	8.8	8.8
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.4	0.9
85°	1.8	1.8	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	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°	3.8	3.6	3.3	3.1	2.8	2.6	2.4	2.2	1.8	1.8	1.8
75°	5.1	5.2	5.2	5.0	4.5	4.1	3.9	3.6	3.2	3.3	3.3
72.5°	9.3	9.3	8.9	8.9	8.3	8.1	8.1	8.0	7.7	7.9	8.2
70°	17.9	18.4	18.1	16.9	15.1	13.7	12.9	11.9	10.6	10.4	11.0
67.5°	28.2	27.0	25.4	23.3	20.2	17.5	16.1	14.8	13.6	13.3	13.6
65°	36.0	30.6	26.8	23.7	21.2	18.7	17.0	15.4	13.7	12.7	12.6
62.5°	34.8	28.6	24.4	21.6	19.3	17.3	15.2	13.1	11.2	9.9	10.0
60°	32.7	25.7	20.4	17.7	15.6	14.1	12.3	10.7	9.5	8.8	8.9
57.5°	27.8	20.3	15.5	14.3	12.9	11.2	10.0	9.4	9.0	8.8	8.8
55°	21.4	17.2	14.3	12.7	11.2	9.8	8.9	9.1	9.0	8.8	9.2
52.5°	17.6	15.1	13.2	11.7	11.0	10.6	10.4	10.4	10.6	10.9	11.2
50°	15.8	14.1	13.2	12.1	12.1	12.1	12.1	12.7	13.2	13.3	13.2
47.5°	16.0	15.3	16.0	13.9	14.3	15.6	15.7	15.8	17.0	17.3	17.2
45°	20.2	24.3	24.3	22.4	21.2	25.9	26.2	23.8	36.4	35.7	27.0
42.5°	35.8	38.2	38.4	40.5	45.0	59.1	85.2	108.8	112.4	98.8	67.8
40°	57.9	55.9	60.3	72.4	107.3	139.1	163.2	235.3	234.7	183.7	185.0
37.5°	94.2	92.0	98.8	135.4	146.7	126.8	178.6	183.6	157.2	187.4	190.0
35°	162.2	183.8	160.2	199.0	200.9	179.6	192.8	215.1	183.4	219.5	235.1
32.5°	295.6	333.9	337.5	334.5	354.4	373.9	362.5	416.8	426.6	462.7	502.3
30°	480.2	553.9	610.2	599.3	632.4	690.4	709.4	792.5	875.2	926.5	1052.2
27.5°	836.9	874.1	989.5	1070.7	1051.9	1146.7	1334.8	1393.0	1630.3	1743.9	1907.6
25°	1325.3	1391.2	1555.7	1748.5	1831.1	1989.9	2295.5	2441.8	2753.4	2912.6	3512.5
22.5°	1930.3	2153.9	2360.2	2619.3	2991.1	3306.9	3646.6	4217.6	5145.3	6478.2	8069.4
20°	2621.1	2995.8	3307.8	3786.5	4402.8	4996.7	5875.5	8409.2	11100.2	16713.1	20526.6
17.5°	3274.6	3869.5	4305.4	4941.1	5851.5	7338.2	10365.3	16028.8	24929.6	35802.7	46181.8
15°	3784.6	4392.6	5200.7	6160.2	7550.7	10460.1	15989.5	27183.8	44153.9	60722.1	78154.7
12.5°	4215.5	4858.5	5744.3	7044.0	9123.8	14353.4	24295.2	41157.9	63528.7	88193.7	114254.6
10°	4492.8	5273.8	6334.5	8051.1	11507.2	18936.9	31861.7	54458.1	84528.2	116730.8	145696.8
7.5°	4541.6	5494.5	6838.1	8926.2	13872.1	23718.4	40861.4	67443.3	100376.2	136645.6	173126.1
5°	4561.1	5700.1	7263.8	9613.6	15496.7	27177.1	46045.8	75762.5	112330.1	149579.2	188840.8
2.5°	4613.1	5901.9	7576.2	10094.6	16433.9	29239.6	49041.9	81721.7	120300.2	160748.2	204522.7
0°	4721.4	6113.3	7643.8	10176.5	16630.3	29283.3	50770.1	85136.4	125498.3	166364.0	212023.1
-2.5°	4780.1	6086.2	7586.8	10009.3	16377.1	29287.9	49109.2	82760.6	122787.7	162659.4	208670.6
-5°	4679.3	5814.4	7235.8	9504.8	15269.2	26945.7	45809.8	76626.4	113571.2	149420.3	186419.6
-7.5°	4462.9	5432.0	6736.9	8788.4	13551.2	23315.3	39846.2	65150.7	96522.7	127688.4	156513.9
-10°	4210.9	5026.7	6096.9	7748.4	11123.4	18435.3	31177.6	51087.9	78034.6	104789.1	129115.3
-12.5°	3938.9	4574.2	5366.6	6508.9	8609.9	13919.8	23628.6	38888.8	57521.6	77704.7	99800.4
-15°	3706.5	4174.8	4775.5	5748.3	7350.9	10370.0	15860.7	26015.8	39376.9	55199.4	71487.3
-17.5°	3550.2	3898.5	4421.5	5163.6	6148.7	7942.0	11915.9	17936.7	26533.7	38375.8	49133.0
-20°	3438.0	3765.6	4180.6	4764.9	5590.0	6854.3	8798.9	12948.5	18605.7	26281.2	33582.9



REPORT NUMBER: P731554 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	3358.0	3652.7	4003.5	4473.7	5210.5	6198.5	7439.8	9453.8	13016.4	17542.7	22619.0
-25°	3279.3	3523.7	3910.6	4416.2	4922.6	5629.6	6487.5	7476.3	9374.3	11386.7	14502.7
-27.5°	3189.3	3491.7	3923.9	4396.2	4852.5	5203.4	5812.4	6494.4	7499.4	8472.3	10073.1
-30°	3123.7	3510.4	3940.5	4394.3	4745.9	5056.1	5396.6	5917.9	6568.1	7255.8	7991.7
-32.5°	2797.3	3452.9	3894.3	4301.2	4592.0	4880.2	5181.9	5543.5	5959.3	6394.8	6841.8
-35°	2359.8	3058.0	3742.8	4061.9	4356.6	4647.2	4961.8	5254.7	5548.1	5842.7	6123.3
-37.5°	1823.5	2507.8	3154.7	3712.1	4050.5	4346.5	4681.8	4982.5	5239.7	5461.1	5677.2
-40°	1593.0	1832.0	2457.8	3044.4	3536.9	4005.9	4322.0	4655.1	4941.9	5146.1	5329.5
-42.5°	1529.6	1664.2	1802.9	2252.8	2796.5	3278.5	3707.4	4124.0	4518.4	4802.3	5020.5
-45°	1474.6	1588.5	1707.3	1840.0	1972.4	2395.1	2840.9	3289.7	3753.9	4169.4	4505.7
-47.5°	1372.7	1510.6	1627.7	1737.4	1842.8	1963.0	2087.3	2266.0	2673.3	3089.1	3468.0
-50°	1246.8	1376.1	1506.6	1636.4	1734.1	1826.3	1920.8	2027.4	2146.1	2267.2	2369.3
-52.5°	1109.8	1228.6	1349.1	1463.6	1572.9	1679.2	1782.9	1876.9	1965.3	2050.7	2100.8
-55°	998.4	1093.6	1188.5	1286.6	1386.3	1483.4	1579.9	1677.1	1770.8	1860.2	1910.2
-57.5°	868.6	963.4	1054.3	1129.1	1206.4	1285.3	1367.8	1451.6	1533.7	1610.2	1653.2
-60°	727.5	809.8	888.5	961.1	1032.8	1102.8	1170.4	1236.8	1300.7	1356.2	1389.9
-62.5°	585.7	652.7	717.9	779.7	839.8	898.8	962.1	1022.1	1078.5	1124.2	1152.3
-65°	464.7	515.8	561.1	605.6	649.5	700.0	753.8	804.8	852.6	889.9	914.5
-67.5°	329.1	373.1	414.6	454.2	490.7	526.7	565.0	602.4	638.4	666.3	686.1
-70°	207.4	235.1	262.5	291.8	323.7	355.4	386.9	416.0	442.5	462.5	477.6
-72.5°	113.0	126.4	140.3	161.1	181.0	202.2	223.9	244.4	263.5	276.9	287.0
-75°	53.7	59.7	70.4	80.0	88.5	97.9	107.3	115.9	123.8	128.0	130.3
-77.5°	36.8	39.7	42.4	44.8	47.0	49.7	52.7	55.8	58.7	60.6	62.1
-80°	27.4	28.6	29.8	31.0	32.2	33.5	34.7	35.8	36.9	37.8	38.7
-82.5°	19.8	20.4	21.0	21.6	22.1	23.0	23.8	24.6	25.4	26.1	26.7
-85°	13.9	14.3	14.6	14.9	15.1	15.6	16.2	16.7	17.2	17.3	17.4
-87.5°	9.9	10.4	10.9	11.5	12.0	12.0	12.1	12.1	12.2	12.2	12.2
-90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.4	0.9



REPORT NUMBER: P731554 (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°	8.8	8.8	9.7	10.5	9.7	8.8	8.8	8.8	8.8	8.8	8.8
87.5°	0.5	0.0	0.9	1.8	0.9	0.0	0.5	0.9	1.4	1.8	1.8
85°	1.8	1.8	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	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	2.6	3.5	2.6	1.8	1.8	1.8	1.8	1.8	2.2
75°	3.4	3.5	3.5	3.5	3.5	3.5	3.4	3.3	3.3	3.2	3.6
72.5°	8.5	8.7	8.8	8.8	8.8	8.7	8.5	8.2	7.9	7.7	8.0
70°	11.6	12.1	12.3	12.3	12.3	12.1	11.6	11.0	10.4	10.6	11.9
67.5°	13.8	13.9	14.0	14.0	14.0	13.9	13.8	13.6	13.3	13.6	14.8
65°	12.5	12.4	11.5	10.5	11.5	12.4	12.5	12.6	12.7	13.7	15.4
62.5°	10.2	10.5	10.5	10.5	10.5	10.5	10.2	10.0	9.9	11.2	13.1
60°	8.9	8.9	8.8	8.8	8.8	8.9	8.9	8.9	8.8	9.5	10.7
57.5°	8.8	8.8	9.5	10.5	9.5	8.8	8.8	8.8	8.8	9.0	9.4
55°	9.7	10.2	10.5	10.5	10.5	10.2	9.7	9.2	8.8	9.0	9.1
52.5°	11.1	10.7	10.5	10.5	10.5	10.7	11.1	11.2	10.9	10.6	10.4
50°	12.8	12.4	12.3	12.3	12.3	12.4	12.8	13.2	13.3	13.2	12.7
47.5°	16.8	16.1	15.7	15.8	15.7	16.1	16.8	17.2	17.3	17.0	15.8
45°	27.6	27.7	27.8	28.1	27.8	27.7	27.6	27.0	35.7	36.4	23.8
42.5°	65.1	56.3	48.6	49.1	48.6	56.3	65.1	67.8	98.8	112.4	108.8
40°	166.7	124.8	83.0	70.2	83.0	124.8	166.7	185.0	183.7	234.7	235.3
37.5°	171.7	175.1	206.1	277.3	206.1	175.1	171.7	190.0	187.4	157.2	183.6
35°	239.9	243.6	235.0	229.9	235.0	243.6	239.9	235.1	219.5	183.4	215.1
32.5°	510.3	532.9	530.0	516.0	530.0	532.9	510.3	502.3	462.7	426.6	416.8
30°	1099.1	1156.5	1150.3	1161.9	1150.3	1156.5	1099.1	1052.2	926.5	875.2	792.5
27.5°	1972.5	2043.5	2056.4	2041.3	2056.4	2043.5	1972.5	1907.6	1743.9	1630.3	1393.0
25°	3915.4	4027.7	3986.7	3933.3	3986.7	4027.7	3915.4	3512.5	2912.6	2753.4	2441.8
22.5°	9929.6	10374.2	10328.5	9953.6	10328.5	10374.2	9929.6	8069.4	6478.2	5145.3	4217.6
20°	27280.7	30216.3	31493.8	29762.5	31493.8	30216.3	27280.7	20526.6	16713.1	11100.2	8409.2
17.5°	57743.5	66687.5	73047.0	75700.6	73047.0	66687.5	57743.5	46181.8	35802.7	24929.6	16028.8
15°	94453.5	107917.1	115747.3	114695.3	115747.3	107917.1	94453.5	78154.7	60722.1	44153.9	27183.8
12.5°	135819.6	151777.1	165001.7	165282.0	165001.7	151777.1	135819.6	114254.6	88193.7	63528.7	41157.9
10°	175831.1	197978.7	216028.6	219526.4	216028.6	197978.7	175831.1	145696.8	116730.8	84528.2	54458.1
7.5°	205848.7	239800.7	262458.5	270760.8	262458.5	239800.7	205848.7	173126.1	136645.6	100376.2	67443.3
5°	235513.3	271089.6	294176.5	298272.2	294176.5	271089.6	235513.3	188840.8	149579.2	112330.1	75762.5
2.5°	255521.5	291408.5	311611.6	325624.9	311611.6	291408.5	255521.5	204522.7	160748.2	120300.2	81721.7
0°	267241.7	296482.0	329911.8	345444.3	329911.8	296482.0	267241.7	212023.1	166364.0	125498.3	85136.4
-2.5°	258380.3	291275.0	310414.1	328064.5	310414.1	291275.0	258380.3	208670.6	162659.4	122787.7	82760.6
-5°	229032.4	264807.1	281715.6	283922.0	281715.6	264807.1	229032.4	186419.6	149420.3	113571.2	76626.4
-7.5°	187146.4	220455.4	236689.5	245651.2	236689.5	220455.4	187146.4	156513.9	127688.4	96522.7	65150.7
-10°	151496.8	170935.5	181863.9	182583.6	181863.9	170935.5	151496.8	129115.3	104789.1	78034.6	51087.9
-12.5°	116963.6	130002.3	136465.9	136229.5	136465.9	130002.3	116963.6	99800.4	77704.7	57521.6	38888.8
-15°	85829.9	95959.6	101789.8	104585.5	101789.8	95959.6	85829.9	71487.3	55199.4	39376.9	26015.8
-17.5°	60581.6	68628.7	74470.7	76830.9	74470.7	68628.7	60581.6	49133.0	38375.8	26533.7	17936.7
-20°	41300.4	46815.5	50605.7	52214.6	50605.7	46815.5	41300.4	33582.9	26281.2	18605.7	12948.5



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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°	27204.1	30901.3	33500.0	33360.6	33500.0	30901.3	27204.1	22619.0	17542.7	13016.4	9453.8
-25°	17342.2	19375.1	20710.0	20818.1	20710.0	19375.1	17342.2	14502.7	11386.7	9374.3	7476.3
-27.5°	11478.2	12371.9	12910.6	13004.1	12910.6	12371.9	11478.2	10073.1	8472.3	7499.4	6494.4
-30°	8687.5	9098.7	9406.6	9393.7	9406.6	9098.7	8687.5	7991.7	7255.8	6568.1	5917.9
-32.5°	7222.1	7424.5	7559.4	7668.3	7559.4	7424.5	7222.1	6841.8	6394.8	5959.3	5543.5
-35°	6315.9	6418.9	6494.2	6562.6	6494.2	6418.9	6315.9	6123.3	5842.7	5548.1	5254.7
-37.5°	5801.4	5872.7	5920.0	5936.0	5920.0	5872.7	5801.4	5677.2	5461.1	5239.7	4982.5
-40°	5399.6	5439.8	5463.7	5477.9	5463.7	5439.8	5399.6	5329.5	5146.1	4941.9	4655.1
-42.5°	5098.1	5153.3	5181.8	5181.3	5181.8	5153.3	5098.1	5020.5	4802.3	4518.4	4124.0
-45°	4698.6	4838.0	4922.5	4958.4	4922.5	4838.0	4698.6	4505.7	4169.4	3753.9	3289.7
-47.5°	3778.6	4043.2	4228.9	4326.5	4228.9	4043.2	3778.6	3468.0	3089.1	2673.3	2266.0
-50°	2461.2	2549.6	2586.8	2571.3	2586.8	2549.6	2461.2	2369.3	2267.2	2146.1	2027.4
-52.5°	2138.0	2169.7	2189.0	2197.5	2189.0	2169.7	2138.0	2100.8	2050.7	1965.3	1876.9
-55°	1952.3	1987.5	2010.3	2022.0	2010.3	1987.5	1952.3	1910.2	1860.2	1770.8	1677.1
-57.5°	1689.0	1717.5	1734.9	1742.9	1734.9	1717.5	1689.0	1653.2	1610.2	1533.7	1451.6
-60°	1418.6	1442.0	1457.4	1465.6	1457.4	1442.0	1418.6	1389.9	1356.2	1300.7	1236.8
-62.5°	1174.9	1192.2	1207.3	1218.1	1207.3	1192.2	1174.9	1152.3	1124.2	1078.5	1022.1
-65°	934.5	949.8	960.8	967.1	960.8	949.8	934.5	914.5	889.9	852.6	804.8
-67.5°	702.3	714.8	725.2	731.9	725.2	714.8	702.3	686.1	666.3	638.4	602.4
-70°	489.8	499.0	508.0	514.3	508.0	499.0	489.8	477.6	462.5	442.5	416.0
-72.5°	294.9	300.7	303.4	303.6	303.4	300.7	294.9	287.0	276.9	263.5	244.4
-75°	131.6	131.9	134.7	136.9	134.7	131.9	131.6	130.3	128.0	123.8	115.9
-77.5°	63.4	64.4	65.7	66.7	65.7	64.4	63.4	62.1	60.6	58.7	55.8
-80°	39.5	40.2	40.4	40.4	40.4	40.2	39.5	38.7	37.8	36.9	35.8
-82.5°	27.4	28.0	28.1	28.1	28.1	28.0	27.4	26.7	26.1	25.4	24.6
-85°	17.5	17.6	17.6	17.6	17.6	17.6	17.5	17.4	17.3	17.2	16.7
-87.5°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.2	12.2	12.2	12.1
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	1.8	1.8



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	8.8	8.8	8.8	8.4	7.9	7.5	7.0	7.0	7.0	7.0	7.0
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	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°	2.4	2.6	2.8	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.4
75°	3.9	4.1	4.5	5.0	5.2	5.2	5.1	5.0	5.0	5.1	5.2
72.5°	8.1	8.1	8.3	8.9	8.9	9.3	9.3	8.7	7.7	6.3	5.3
70°	12.9	13.7	15.1	16.9	18.1	18.4	17.9	16.5	14.2	12.4	10.0
67.5°	16.1	17.5	20.2	23.3	25.4	27.0	28.2	28.6	27.3	24.5	17.7
65°	17.0	18.7	21.2	23.7	26.8	30.6	36.0	38.7	38.9	37.0	28.6
62.5°	15.2	17.3	19.3	21.6	24.4	28.6	34.8	40.4	45.7	47.2	38.3
60°	12.3	14.1	15.6	17.7	20.4	25.7	32.7	39.3	45.6	45.9	43.1
57.5°	10.0	11.2	12.9	14.3	15.5	20.3	27.8	37.0	44.6	43.2	41.5
55°	8.9	9.8	11.2	12.7	14.3	17.2	21.4	28.2	36.5	39.3	37.8
52.5°	10.4	10.6	11.0	11.7	13.2	15.1	17.6	22.4	26.6	30.5	32.9
50°	12.1	12.1	12.1	12.1	13.2	14.1	15.8	18.4	21.3	24.4	26.9
47.5°	15.7	15.6	14.3	13.9	16.0	15.3	16.0	17.1	19.8	20.7	23.3
45°	26.2	25.9	21.2	22.4	24.3	24.3	20.2	21.8	22.1	22.3	21.1
42.5°	85.2	59.1	45.0	40.5	38.4	38.2	35.8	33.4	31.0	27.5	27.6
40°	163.2	139.1	107.3	72.4	60.3	55.9	57.9	50.5	45.5	39.5	41.0
37.5°	178.6	126.8	146.7	135.4	98.8	92.0	94.2	80.7	63.0	73.6	71.9
35°	192.8	179.6	200.9	199.0	160.2	183.8	162.2	131.1	115.8	132.2	119.1
32.5°	362.5	373.9	354.4	334.5	337.5	333.9	295.6	221.8	223.9	222.8	196.0
30°	709.4	690.4	632.4	599.3	610.2	553.9	480.2	466.9	411.0	337.2	294.1
27.5°	1334.8	1146.7	1051.9	1070.7	989.5	874.1	836.9	812.5	663.8	525.9	419.6
25°	2295.5	1989.9	1831.1	1748.5	1555.7	1391.2	1325.3	1234.7	1043.2	769.5	583.9
22.5°	3646.6	3306.9	2991.1	2619.3	2360.2	2153.9	1930.3	1715.0	1488.4	1120.9	833.1
20°	5875.5	4996.7	4402.8	3786.5	3307.8	2995.8	2621.1	2253.1	1940.8	1564.1	1119.8
17.5°	10365.3	7338.2	5851.5	4941.1	4305.4	3869.5	3274.6	2732.2	2374.6	2036.2	1426.7
15°	15989.5	10460.1	7550.7	6160.2	5200.7	4392.6	3784.6	3160.1	2791.1	2468.0	1796.7
12.5°	24295.2	14353.4	9123.8	7044.0	5744.3	4858.5	4215.5	3607.1	3128.4	2690.9	2060.6
10°	31861.7	18936.9	11507.2	8051.1	6334.5	5273.8	4492.8	3778.8	3220.2	2808.7	2280.6
7.5°	40861.4	23718.4	13872.1	8926.2	6838.1	5494.5	4541.6	3802.2	3274.6	2892.4	2458.2
5°	46045.8	27177.1	15496.7	9613.6	7263.8	5700.1	4561.1	3760.6	3296.3	2946.7	2595.1
2.5°	49041.9	29239.6	16433.9	10094.6	7576.2	5901.9	4613.1	3766.8	3322.9	2982.7	2647.8
0°	50770.1	29283.3	16630.3	10176.5	7643.8	6113.3	4721.4	3829.8	3345.4	3004.9	2666.1
-2.5°	49109.2	29287.9	16377.1	10009.3	7586.8	6086.2	4780.1	3897.9	3399.2	3017.6	2659.0
-5°	45809.8	26945.7	15269.2	9504.8	7235.8	5814.4	4679.3	3871.7	3385.9	2999.3	2621.0
-7.5°	39846.2	23315.3	13551.2	8788.4	6736.9	5432.0	4462.9	3736.5	3259.1	2896.3	2501.6
-10°	31177.6	18435.3	11123.4	7748.4	6096.9	5026.7	4210.9	3564.5	3116.2	2782.0	2359.8
-12.5°	23628.6	13919.8	8609.9	6508.9	5366.6	4574.2	3938.9	3379.0	2959.2	2658.7	2200.0
-15°	15860.7	10370.0	7350.9	5748.3	4775.5	4174.8	3706.5	3262.2	2902.3	2564.8	2025.8
-17.5°	11915.9	7942.0	6148.7	5163.6	4421.5	3898.5	3550.2	3203.8	2871.5	2490.0	1864.2
-20°	8798.9	6854.3	5590.0	4764.9	4180.6	3765.6	3438.0	3152.2	2822.4	2307.1	1668.1



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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°	7439.8	6198.5	5210.5	4473.7	4003.5	3652.7	3358.0	3086.1	2751.5	2065.5	1451.3
-25°	6487.5	5629.6	4922.6	4416.2	3910.6	3523.7	3279.3	2997.3	2479.0	1794.0	1248.7
-27.5°	5812.4	5203.4	4852.5	4396.2	3923.9	3491.7	3189.3	2857.8	2169.3	1543.7	1228.1
-30°	5396.6	5056.1	4745.9	4394.3	3940.5	3510.4	3123.7	2495.5	1853.2	1331.0	1213.0
-32.5°	5181.9	4880.2	4592.0	4301.2	3894.3	3452.9	2797.3	2107.1	1497.9	1306.3	1186.4
-35°	4961.8	4647.2	4356.6	4061.9	3742.8	3058.0	2359.8	1692.8	1395.5	1270.1	1150.9
-37.5°	4681.8	4346.5	4050.5	3712.1	3154.7	2507.8	1823.5	1499.1	1352.8	1223.3	1094.9
-40°	4322.0	4005.9	3536.9	3044.4	2457.8	1832.0	1593.0	1447.5	1310.3	1161.3	1026.7
-42.5°	3707.4	3278.5	2796.5	2252.8	1802.9	1664.2	1529.6	1399.2	1254.0	1096.5	955.7
-45°	2840.9	2395.1	1972.4	1840.0	1707.3	1588.5	1474.6	1328.5	1174.1	1023.7	882.6
-47.5°	2087.3	1963.0	1842.8	1737.4	1627.7	1510.6	1372.7	1232.2	1082.1	942.1	822.9
-50°	1920.8	1826.3	1734.1	1636.4	1506.6	1376.1	1246.8	1117.4	986.0	869.3	757.0
-52.5°	1782.9	1679.2	1572.9	1463.6	1349.1	1228.6	1109.8	1007.4	899.2	788.3	684.2
-55°	1579.9	1483.4	1386.3	1286.6	1188.5	1093.6	998.4	900.2	799.0	697.7	601.9
-57.5°	1367.8	1285.3	1206.4	1129.1	1054.3	963.4	868.6	776.9	688.3	597.5	513.7
-60°	1170.4	1102.8	1032.8	961.1	888.5	809.8	727.5	647.0	568.7	501.6	435.1
-62.5°	962.1	898.8	839.8	779.7	717.9	652.7	585.7	526.6	469.4	411.7	348.3
-65°	753.8	700.0	649.5	605.6	561.1	515.8	464.7	412.6	361.2	311.4	255.7
-67.5°	565.0	526.7	490.7	454.2	414.6	373.1	329.1	286.4	249.6	213.7	170.3
-70°	386.9	355.4	323.7	291.8	262.5	235.1	207.4	178.5	148.4	125.1	101.6
-72.5°	223.9	202.2	181.0	161.1	140.3	126.4	113.0	97.9	81.5	63.7	50.5
-75°	107.3	97.9	88.5	80.0	70.4	59.7	53.7	49.6	45.6	41.4	37.3
-77.5°	52.7	49.7	47.0	44.8	42.4	39.7	36.8	34.1	32.3	30.7	29.0
-80°	34.7	33.5	32.2	31.0	29.8	28.6	27.4	26.3	25.1	24.1	23.0
-82.5°	23.8	23.0	22.1	21.6	21.0	20.4	19.8	19.1	18.4	17.6	16.8
-85°	16.2	15.6	15.1	14.9	14.6	14.3	13.9	13.6	13.3	13.0	12.7
-87.5°	12.1	12.0	12.0	11.5	10.9	10.4	9.9	9.8	9.7	9.6	9.5
-90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8





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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°	7.0	7.0	7.0	7.0	6.6	6.2	5.7	5.3	5.3	5.3	5.3
87.5°	1.8	1.8	1.8	1.8	2.2	2.7	3.1	3.5	3.5	3.5	3.5
85°	2.0	2.0	2.1	2.1	2.3	2.7	3.1	3.5	3.5	3.5	3.5
82.5°	2.3	2.6	2.9	3.0	3.0	3.1	3.3	3.5	3.6	3.5	3.5
80°	3.1	3.2	3.3	3.5	3.5	3.5	3.4	3.5	3.8	3.8	3.8
77.5°	3.9	3.7	3.5	3.5	3.5	3.5	3.5	3.6	4.0	4.2	4.2
75°	4.7	4.1	3.7	3.6	3.6	3.5	3.5	3.6	4.1	4.5	4.6
72.5°	5.1	4.7	4.1	3.7	4.0	4.0	3.8	3.7	4.1	4.6	5.0
70°	7.5	5.7	5.0	4.6	4.5	4.6	4.5	4.2	4.2	4.6	5.0
67.5°	11.5	8.7	6.7	5.5	5.0	5.0	5.2	4.9	4.6	4.7	5.1
65°	20.6	13.8	8.6	6.9	5.7	5.2	5.3	5.3	5.0	4.9	5.1
62.5°	29.3	20.5	14.0	9.1	6.5	5.6	5.3	5.5	5.4	5.1	5.2
60°	38.3	28.6	19.9	14.0	8.9	5.7	5.5	5.8	5.7	5.3	5.3
57.5°	38.6	35.5	28.0	19.7	13.0	7.7	5.7	6.1	6.0	5.6	5.3
55°	36.8	35.0	33.5	26.8	18.0	11.2	7.1	6.4	6.4	6.1	5.4
52.5°	32.7	34.5	34.8	31.9	24.1	15.2	10.3	6.9	6.9	6.5	5.8
50°	28.3	33.0	35.6	34.3	29.5	21.0	13.3	9.3	7.5	7.0	6.3
47.5°	26.6	32.0	35.8	36.7	32.7	26.6	17.8	11.6	8.1	7.6	6.8
45°	26.9	31.3	36.1	38.0	36.3	30.6	22.8	13.7	9.9	8.2	7.3
42.5°	29.0	32.9	36.1	40.1	38.7	33.8	27.6	17.7	11.6	8.7	7.8
40°	39.4	36.7	37.5	41.9	41.5	37.0	30.6	21.8	13.1	9.5	8.2
37.5°	53.3	46.7	42.4	47.9	45.8	40.2	33.3	25.8	15.0	10.6	8.7
35°	91.0	62.7	62.2	62.5	54.4	44.0	35.9	29.0	18.6	11.7	9.1
32.5°	138.8	108.1	105.3	87.6	66.3	48.3	39.1	31.9	22.2	12.7	9.5
30°	231.3	207.9	164.6	120.0	84.8	59.6	43.7	34.8	25.7	13.5	10.0
27.5°	383.2	331.0	245.1	174.7	116.1	74.1	50.1	37.9	29.2	15.1	10.7
25°	540.3	473.6	364.5	244.9	152.2	103.5	57.5	41.1	32.1	17.9	11.3
22.5°	692.4	622.0	499.3	324.7	205.0	141.2	73.4	46.9	34.6	20.5	11.9
20°	840.5	773.9	637.3	397.4	266.9	187.5	101.0	53.0	37.1	23.1	12.4
17.5°	1004.0	890.8	714.8	482.6	328.4	234.0	132.8	59.5	39.5	25.5	12.8
15°	1204.9	960.0	789.5	558.3	383.2	280.6	167.7	66.1	41.9	27.7	13.4
12.5°	1384.7	1024.0	863.1	624.7	431.7	326.5	204.8	72.8	44.1	30.3	14.1
10°	1553.6	1082.8	934.2	682.0	474.4	371.4	242.6	80.3	47.7	33.1	14.9
7.5°	1707.8	1136.6	1001.0	730.5	509.4	402.3	266.0	89.5	51.4	35.8	15.6
5°	1833.7	1179.3	1047.6	763.5	526.7	417.2	283.0	98.3	55.0	38.2	16.3
2.5°	1892.9	1208.7	1076.2	788.3	541.3	428.7	295.5	106.6	58.3	40.3	17.0
0°	1923.7	1233.9	1095.2	805.6	552.9	437.0	303.6	114.1	61.4	42.1	17.6
-2.5°	1928.2	1239.5	1100.0	823.3	571.3	449.0	314.4	134.4	77.2	51.8	23.1
-5°	1903.9	1240.2	1096.6	833.2	586.1	457.6	321.5	153.4	92.3	60.9	28.3
-7.5°	1821.3	1221.5	1077.8	834.1	596.7	463.0	325.7	170.9	106.5	69.2	33.3
-10°	1704.8	1188.8	1041.5	819.9	606.6	470.4	329.2	186.6	119.5	76.6	37.7
-12.5°	1562.3	1151.9	1004.3	802.7	614.0	480.6	340.2	202.5	131.1	82.8	41.5
-15°	1394.7	1111.1	968.2	784.0	618.4	488.9	348.0	216.5	141.6	88.4	44.6
-17.5°	1210.6	1066.7	935.3	765.1	619.9	495.5	352.5	227.3	150.3	93.3	47.5
-20°	1169.7	1040.3	906.4	747.1	618.9	500.8	353.9	234.4	157.2	96.6	50.0



REPORT NUMBER: P731554 (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°	1154.1	1028.5	887.7	738.9	617.3	505.2	352.1	237.6	162.1	98.2	51.4
-25°	1137.9	1014.1	866.6	727.4	617.0	499.2	351.1	236.6	164.8	97.9	51.7
-27.5°	1118.8	994.0	840.2	709.1	604.6	489.8	348.9	238.9	165.0	95.7	50.7
-30°	1097.2	959.9	813.6	686.2	587.5	464.9	341.0	238.5	162.1	93.5	48.4
-32.5°	1066.6	920.5	780.4	664.0	559.5	437.6	323.4	235.0	156.4	90.8	46.8
-35°	1014.7	875.1	740.4	636.4	526.7	411.9	304.7	228.5	148.1	86.1	44.7
-37.5°	957.2	823.4	705.1	601.8	492.5	383.7	290.3	214.0	136.9	79.6	41.6
-40°	896.5	773.1	666.3	563.2	458.4	353.1	272.9	195.9	126.5	71.1	37.4
-42.5°	832.4	725.9	623.3	523.3	422.5	330.4	252.1	175.1	113.2	63.8	32.2
-45°	775.8	674.5	576.8	480.2	385.7	304.3	226.0	152.6	97.7	56.5	28.0
-47.5°	715.0	620.4	526.2	433.5	352.7	274.1	196.9	132.8	80.4	47.8	26.1
-50°	653.0	561.8	471.4	389.5	314.8	238.1	166.6	110.8	68.4	37.5	23.9
-52.5°	587.3	498.2	418.0	344.4	270.4	198.8	139.0	87.6	55.4	31.9	21.3
-55°	513.1	436.5	365.0	292.4	221.9	162.4	108.9	71.4	41.3	28.4	18.7
-57.5°	442.7	374.7	303.5	234.8	175.9	124.7	84.6	54.1	34.6	24.6	17.7
-60°	369.5	301.7	236.0	180.8	130.9	92.1	63.4	39.9	29.9	21.1	16.6
-62.5°	285.8	226.3	175.0	127.7	93.2	66.3	44.0	34.2	25.0	19.7	15.5
-65°	205.8	158.2	114.8	88.1	62.9	44.4	37.0	28.2	22.5	18.2	14.4
-67.5°	128.2	101.2	76.1	53.1	43.1	36.4	29.6	24.8	20.5	16.6	13.6
-70°	78.2	56.2	46.0	40.2	34.3	28.9	25.8	22.3	18.5	15.4	12.7
-72.5°	45.5	40.6	35.7	30.9	28.0	25.3	22.7	20.0	17.0	14.2	11.7
-75°	33.2	30.8	28.6	26.2	23.8	21.7	20.0	18.0	15.4	13.0	10.7
-77.5°	27.2	25.3	23.4	21.7	20.1	18.7	17.5	16.0	13.7	11.6	9.6
-80°	21.5	20.2	19.0	17.8	16.7	15.8	14.9	14.0	12.0	10.2	8.6
-82.5°	16.0	15.4	14.9	14.3	13.7	13.1	12.5	11.8	10.3	8.8	7.6
-85°	12.4	12.0	11.6	11.3	10.9	10.5	10.1	9.7	8.6	7.6	6.8
-87.5°	9.4	9.2	9.1	9.0	8.7	8.3	7.9	7.5	7.0	6.5	6.1
-90°	1.8	1.8	1.8	1.8	2.2	2.7	3.1	3.5	3.5	3.5	3.5



REPORT NUMBER: P731554 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.3	5.3	5.3	5.3	5.3	4.4	3.5
87.5°	3.5	3.6	3.7	3.7	3.7	3.6	3.5
85°	3.5	3.7	3.8	3.9	3.8	3.7	3.5
82.5°	3.5	3.8	4.0	4.0	4.0	3.7	3.5
80°	3.6	3.9	4.1	4.2	4.1	3.8	3.5
77.5°	4.1	4.1	4.3	4.4	4.3	3.9	3.5
75°	4.5	4.4	4.5	4.6	4.4	4.0	3.5
72.5°	4.9	4.7	4.6	4.8	4.6	4.0	3.5
70°	5.3	4.9	4.8	4.9	4.7	4.1	3.5
67.5°	5.3	5.2	4.9	5.0	4.9	4.2	3.5
65°	5.3	5.3	5.1	5.1	5.0	4.3	3.5
62.5°	5.3	5.3	5.2	5.1	5.2	4.3	3.5
60°	5.3	5.3	5.3	5.2	5.3	4.4	3.5
57.5°	5.4	5.3	5.3	5.2	5.3	4.5	3.5
55°	5.5	5.3	5.3	5.2	5.3	4.5	3.5
52.5°	5.6	5.3	5.3	5.3	5.3	4.6	3.5
50°	5.8	5.5	5.3	5.3	5.3	4.7	3.5
47.5°	6.0	5.7	5.3	5.3	5.3	4.7	3.5
45°	6.4	5.8	5.3	5.3	5.3	4.8	3.5
42.5°	6.8	6.0	5.3	5.3	5.3	4.8	3.5
40°	7.2	6.3	5.4	5.3	5.3	4.9	3.5
37.5°	7.6	6.5	5.6	5.3	5.3	4.9	3.5
35°	7.9	6.8	5.7	5.3	5.3	5.0	3.5
32.5°	8.3	7.1	5.9	5.3	5.3	5.0	3.5
30°	8.6	7.3	6.1	5.3	5.3	5.1	3.5
27.5°	9.0	7.6	6.2	5.3	5.3	5.1	3.5
25°	9.3	7.9	6.4	5.3	5.3	5.1	3.5
22.5°	9.6	8.1	6.5	5.3	5.3	5.2	3.5
20°	9.8	8.2	6.6	5.3	5.3	5.2	3.5
17.5°	10.1	8.4	6.7	5.3	5.3	5.2	3.5
15°	10.4	8.5	6.8	5.3	5.3	5.2	3.5
12.5°	10.8	8.6	6.8	5.3	5.3	5.3	3.5
10°	11.1	8.7	6.9	5.3	5.3	5.3	3.5
7.5°	11.4	8.7	6.9	5.3	5.3	5.3	3.5
5°	11.7	8.8	7.0	5.3	5.3	5.3	3.5
2.5°	12.0	8.8	7.0	5.3	5.3	5.3	3.5
0°	12.3	8.8	7.0	5.3	5.3	5.3	3.5
-2.5°	14.4	9.6	7.3	5.5	5.4	5.3	3.5
-5°	16.4	10.3	7.6	5.8	5.4	5.3	3.5
-7.5°	18.3	11.0	7.9	6.0	5.5	5.3	3.5
-10°	20.0	11.6	8.1	6.2	5.6	5.3	3.5
-12.5°	21.4	12.2	8.4	6.4	5.7	5.3	3.5
-15°	22.6	12.7	8.6	6.6	5.7	5.2	3.5
-17.5°	23.6	13.1	8.8	6.8	5.8	5.2	3.5
-20°	24.4	13.4	9.0	6.9	5.8	5.2	3.5



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-3S-CV1

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	25.2	13.6	9.2	7.1	5.9	5.2	3.5
-25°	25.5	13.8	9.3	7.2	5.9	5.2	3.5
-27.5°	25.1	13.8	9.5	7.3	5.9	5.1	3.5
-30°	24.1	13.7	9.6	7.4	5.9	5.1	3.5
-32.5°	22.3	13.5	9.7	7.4	5.9	5.1	3.5
-35°	21.5	13.1	9.7	7.5	5.9	5.1	3.5
-37.5°	20.9	12.7	9.7	7.5	5.9	5.0	3.5
-40°	20.1	12.7	9.7	7.5	5.9	5.0	3.5
-42.5°	19.1	12.6	9.6	7.4	5.8	5.0	3.5
-45°	17.8	12.5	9.5	7.3	5.8	5.0	3.5
-47.5°	16.2	12.2	9.4	7.2	5.7	4.9	3.5
-50°	15.6	11.9	9.2	7.1	5.7	4.9	3.5
-52.5°	15.1	11.5	9.0	7.0	5.6	4.9	3.5
-55°	14.4	11.2	8.8	6.9	5.5	4.8	3.5
-57.5°	13.7	10.8	8.5	6.7	5.4	4.8	3.5
-60°	12.9	10.4	8.3	6.5	5.3	4.8	3.5
-62.5°	12.3	10.0	8.0	6.3	5.3	4.8	3.5
-65°	11.7	9.5	7.7	6.1	5.3	4.7	3.5
-67.5°	11.0	9.0	7.3	5.9	5.3	4.7	3.5
-70°	10.3	8.5	7.0	5.7	5.3	4.7	3.5
-72.5°	9.5	7.9	6.6	5.6	5.3	4.6	3.5
-75°	8.7	7.4	6.2	5.6	5.3	4.6	3.5
-77.5°	7.9	6.7	6.0	5.6	5.3	4.6	3.5
-80°	7.1	6.4	5.9	5.5	5.3	4.5	3.5
-82.5°	6.6	6.1	5.7	5.5	5.3	4.5	3.5
-85°	6.2	5.8	5.6	5.4	5.3	4.5	3.5
-87.5°	5.7	5.6	5.4	5.4	5.3	4.4	3.5
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report

