

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: P574505 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-70-1S-CV5**

Issue Date: 10/17/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P574505 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/17/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680R-40-70-1S-CV5  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 1S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

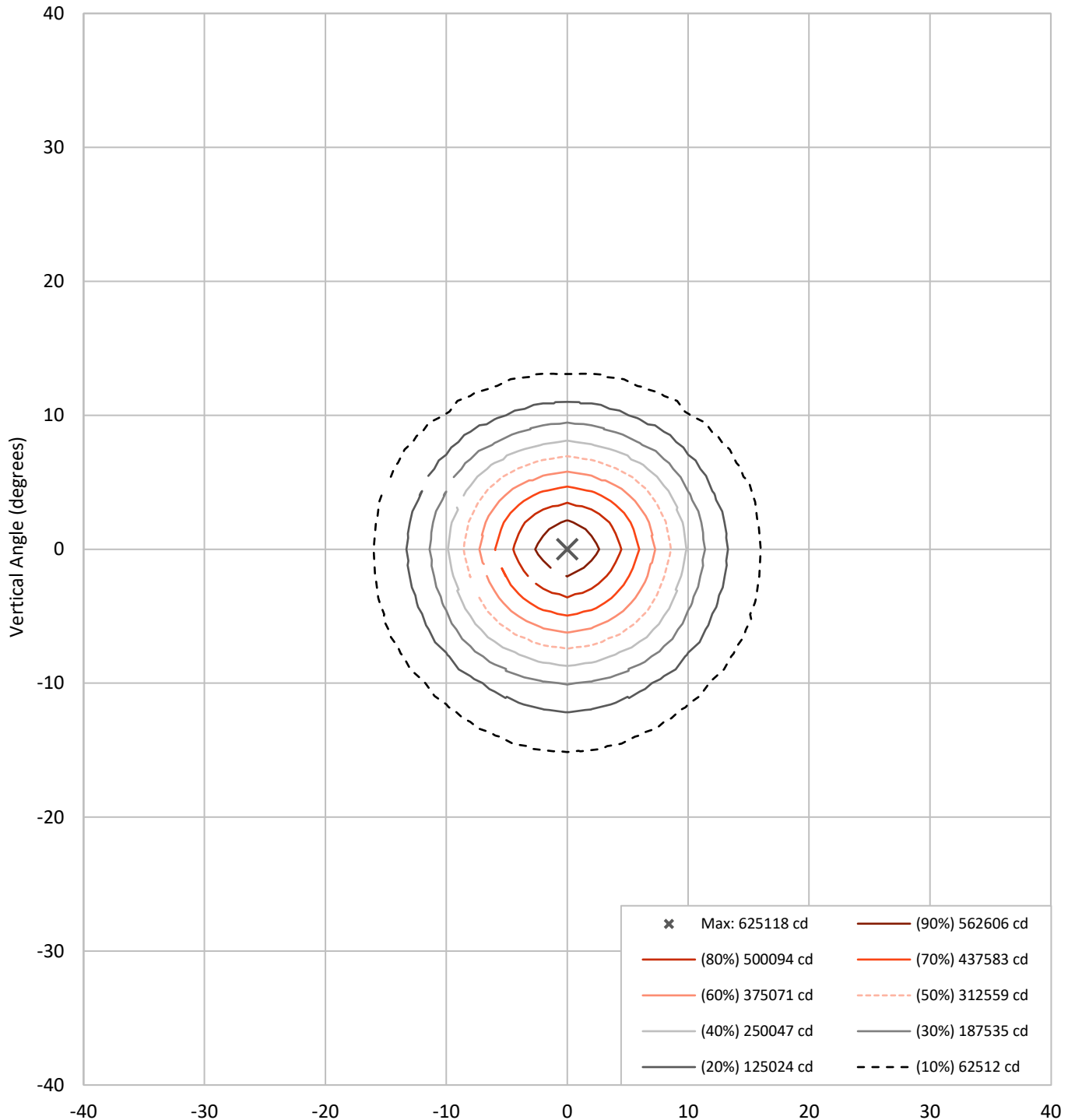
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 2V
Luminaire Lumens:	58214.2 lumens	Max Intensity:	625118 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	80.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	17.1°H x 14.3°V	Field Angle (10%):	32°H x 27.7°V
Beam Lumens:	24704.6 lumens	Field Lumens:	48349.9 lumens
Beam Efficiency:	42.4%	Field Efficiency:	83.1%

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

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CATALOG NUMBER: EPH-LS-08-0680R-40-70-1S-CV5

### Iso-Candela Plot





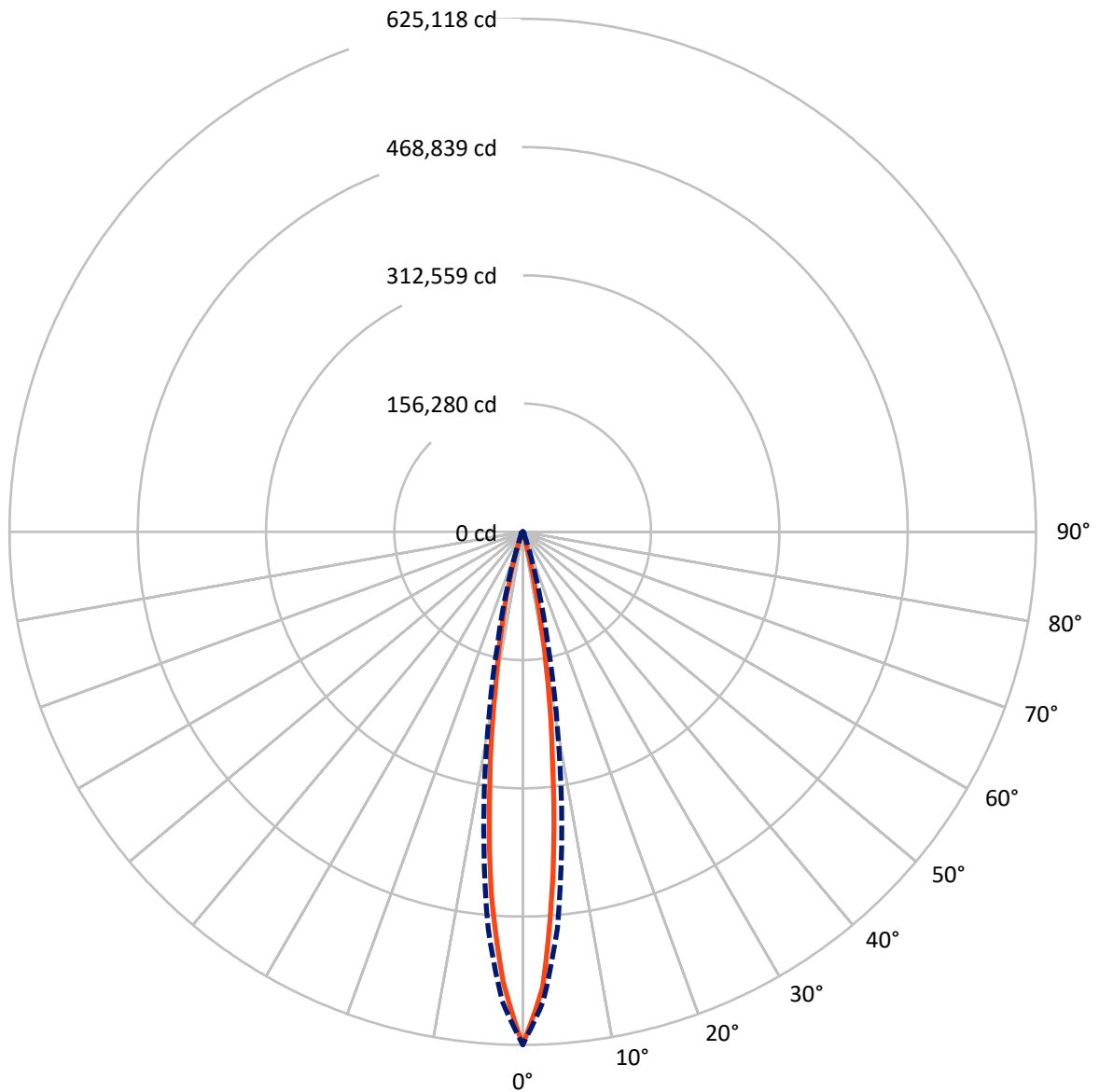
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### Lumen Table

90	0.2	0.5	0.7	0.6	0.6	0.6	0.7	0.5	0.2								
80	0.2	0.5	0.7	0.6	0.6	0.6	0.7	0.5	0.2								
70	0.2	0.1	0.2	0.6	0.6	0.3	0.2	0.1	0.1	0.2	0.3	0.6	0.6	0.2	0.1	0.2	
60		0.1	0.4	0.6	0.4	0.2	0.1	0.1	0.1	0.1	0.2	0.4	0.6	0.4	0.1		
50	0.3	0.2	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.2	0.3	
40		0.2	0.6	0.8	1.4	1.9	1.8	2.0	2.0	1.8	1.9	1.4	0.8	0.6	0.2		
30	0.3	0.4	1.4	3.3	6.4	7.0	9.8	17.7	17.7	9.8	7.0	6.4	3.3	1.4	0.4	0.3	
20		1.0	4.5	16.2	29.5	41.2	264.7	1102.1	1102.1	264.7	41.2	29.5	16.2	4.5	1.0		
10	0.4	1.9	9.3	40.9	68.7	151.8	2022.4	9528.5	9528.5	2022.4	151.8	68.7	40.9	9.3	1.9	0.4	
0		2.5	11.4	49.0	80.7	162.4	2138.1	9848.8	9848.8	2138.1	162.4	80.7	49.0	11.4	2.5		
-10	0.6	2.7	10.0	38.0	67.5	82.4	463.4	1814.1	1814.1	463.4	82.4	67.5	38.0	10.0	2.7	0.6	
-20		2.6	8.5	20.9	55.3	67.3	78.2	130.7	130.7	78.2	67.3	55.3	20.9	8.5	2.6		
-30	0.5	2.3	7.3	13.0	33.5	64.8	76.6	78.8	78.8	76.6	64.8	33.5	13.0	7.3	2.3	0.5	
-40		1.6	5.5	11.2	17.6	31.3	54.5	72.1	72.1	54.5	31.3	17.6	11.2	5.5	1.6		
-50	0.4	0.8	3.2	7.4	13.1	18.0	21.5	24.2	24.2	21.5	18.0	13.1	7.4	3.2	0.8	0.4	
-60		0.4	1.2	3.1	5.9	9.1	12.3	14.5	14.5	12.3	9.1	5.9	3.1	1.2	0.4		
-70	0.3	1.5	3.6	7.9	12.3	7.9	3.6	1.5	0.3							0.3	
-80		1.5	3.6	7.9	12.3	7.9	3.6	1.5	0.3								
-90	0.3	1.5	3.6	7.9	12.3	7.9	3.6	1.5	0.3								

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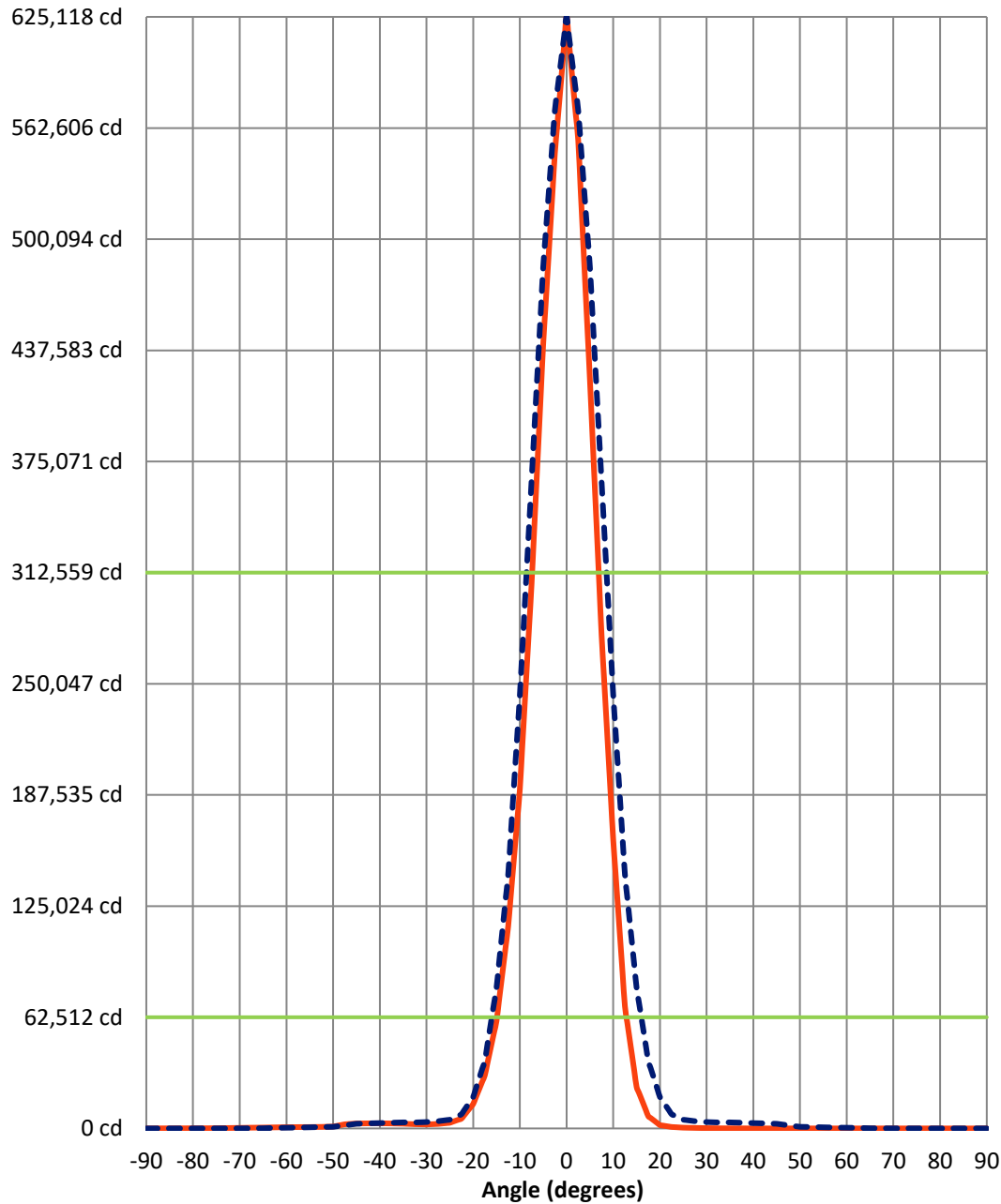
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 17.1°  
 V Angle: 14.3°  
 Lumens: 24704.6  
 Efficiency: 42.4%

**Field:**  
 H Angle: 32°  
 V Angle: 27.7°  
 Lumens: 48349.9  
 Efficiency: 83.1%

**Spill:**  
 Lumens: 9864.3  
 Efficiency: 16.9%

- 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°	8.8	8.8	8.8	9.3	9.7	10.2	10.6	11.1	11.5	12.0	12.4
87.5°	8.8	8.9	9.0	8.6	8.2	7.8	7.5	7.4	7.3	7.2	7.0
85°	8.8	9.0	9.1	8.8	8.5	8.2	7.9	7.8	7.6	7.4	7.0
82.5°	8.8	9.0	9.3	9.1	8.9	8.6	8.4	8.2	7.9	7.7	7.5
80°	8.8	9.1	9.4	9.3	9.2	9.0	8.8	8.5	8.3	8.2	8.2
77.5°	8.8	9.2	9.6	9.5	9.5	9.3	8.9	8.6	8.6	8.7	8.8
75°	8.8	9.3	9.7	9.8	9.8	9.3	8.9	8.7	8.8	9.0	8.9
72.5°	8.8	9.3	9.9	10.0	9.8	9.4	8.9	8.9	9.2	9.2	9.0
70°	8.8	9.4	10.0	10.2	9.8	9.4	9.0	9.4	9.6	9.5	9.0
67.5°	8.8	9.5	10.2	10.3	9.8	9.4	9.5	9.8	10.0	9.5	9.1
65°	8.8	9.6	10.3	10.3	9.9	9.6	10.0	10.3	10.0	9.6	9.2
62.5°	8.8	9.6	10.5	10.3	9.9	10.0	10.4	10.5	10.1	9.7	9.3
60°	8.8	9.7	10.6	10.3	9.9	10.4	10.9	10.6	10.2	9.7	9.3
57.5°	8.8	9.8	10.6	10.4	10.2	10.8	11.0	10.6	10.2	9.8	9.9
55°	8.8	9.8	10.6	10.4	10.5	11.2	11.1	10.7	10.3	10.1	10.6
52.5°	8.8	9.9	10.6	10.4	10.8	11.5	11.1	10.8	10.4	10.7	11.4
50°	8.8	10.0	10.6	10.5	11.1	11.6	11.2	11.0	10.6	11.4	12.6
47.5°	8.8	10.0	10.6	10.5	11.4	11.6	11.3	11.2	11.2	12.0	13.7
45°	8.8	10.1	10.6	10.8	11.7	11.7	11.5	11.4	11.9	12.8	14.6
42.5°	8.8	10.1	10.6	11.0	12.0	11.8	11.8	11.9	12.7	13.4	15.7
40°	8.8	10.2	10.6	11.1	12.1	11.8	12.1	12.6	13.5	13.8	16.7
37.5°	8.8	10.2	10.6	11.3	12.2	11.9	12.4	13.4	14.2	14.8	17.4
35°	8.8	10.3	10.6	11.4	12.3	12.1	12.7	14.1	14.9	16.2	17.8
32.5°	8.8	10.3	10.6	11.6	12.3	12.4	13.1	14.9	15.7	17.7	19.3
30°	8.8	10.4	10.6	11.7	12.4	12.6	13.7	15.6	16.4	19.3	21.1
27.5°	8.8	10.4	10.6	11.8	12.5	12.9	14.4	16.2	17.3	21.0	23.2
25°	8.8	10.4	10.6	11.9	12.6	13.2	15.0	16.8	18.7	22.7	25.7
22.5°	8.8	10.5	10.6	12.0	12.7	13.5	15.6	17.4	20.1	24.6	30.5
20°	8.8	10.5	10.6	12.1	12.8	13.8	16.2	18.0	21.5	26.6	35.9
17.5°	8.8	10.5	10.6	12.1	12.9	14.1	16.6	18.6	22.8	28.8	41.7
15°	8.8	10.5	10.6	12.2	13.1	14.4	16.9	19.1	24.2	30.9	47.7
12.5°	8.8	10.6	10.6	12.3	13.3	14.7	17.2	19.7	25.9	33.1	54.0
10°	8.8	10.6	10.6	12.3	13.4	15.0	17.4	20.4	27.9	36.9	61.1
7.5°	8.8	10.6	10.6	12.4	13.6	15.2	17.5	21.0	29.8	41.0	70.2
5°	8.8	10.6	10.6	12.4	13.8	15.5	17.5	21.7	31.8	45.1	79.0
2.5°	8.8	10.6	10.6	12.4	13.9	15.7	17.6	22.3	33.6	49.1	87.4
0°	8.8	10.6	10.6	12.4	14.1	15.9	17.6	22.9	35.3	52.9	95.2
-2.5°	8.8	10.6	10.7	12.5	14.3	16.3	19.0	26.5	41.9	63.7	109.2
-5°	8.8	10.7	10.8	12.6	14.4	16.6	20.4	29.9	48.2	73.9	122.1
-7.5°	8.8	10.7	10.8	12.7	14.5	17.0	21.6	33.1	54.0	83.4	133.9
-10°	8.8	10.7	10.9	12.8	14.6	17.2	22.7	35.9	59.2	92.0	144.3
-12.5°	8.8	10.7	11.0	12.8	14.7	17.5	23.7	38.3	63.7	99.7	154.4
-15°	8.8	10.8	11.1	12.9	14.8	17.7	24.5	40.2	68.1	107.4	163.3
-17.5°	8.8	10.8	11.1	12.9	14.9	17.8	25.0	42.2	72.6	113.9	170.3
-20°	8.8	10.8	11.2	13.0	14.9	17.9	25.5	44.1	75.9	118.9	175.4



REPORT NUMBER: P574505 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-1S-CV5

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.8	10.8	11.3	13.0	14.9	18.0	26.1	45.0	78.0	122.5	178.3
-25°	8.8	10.8	11.4	13.0	15.0	18.1	26.3	45.0	78.7	124.5	179.1
-27.5°	8.8	10.8	11.4	13.0	15.0	18.3	26.1	44.0	78.1	125.1	180.7
-30°	8.8	10.7	11.5	13.0	15.0	18.4	25.5	42.0	76.8	124.2	180.4
-32.5°	8.8	10.7	11.6	13.0	15.1	18.4	24.5	40.8	74.3	121.3	177.9
-35°	8.8	10.7	11.6	12.9	15.2	18.3	24.1	39.5	70.4	116.4	173.1
-37.5°	8.8	10.7	11.7	12.9	15.2	18.2	23.9	37.7	64.8	109.4	160.5
-40°	8.8	10.6	11.8	12.8	15.3	18.2	23.6	35.1	57.6	101.4	146.2
-42.5°	8.8	10.6	11.8	12.8	15.3	18.2	23.0	31.9	52.4	89.2	130.4
-45°	8.8	10.5	11.9	12.8	15.2	18.2	22.4	29.4	48.0	75.7	113.4
-47.5°	8.8	10.5	11.9	12.7	15.2	18.1	21.5	28.4	42.6	61.6	97.4
-50°	8.8	10.4	12.0	12.8	15.0	17.9	21.2	27.1	35.9	53.8	80.5
-52.5°	8.8	10.3	12.0	12.9	14.9	17.7	20.9	25.7	32.2	45.6	63.6
-55°	8.8	10.3	12.1	12.9	14.7	17.5	20.6	24.2	30.0	36.9	53.7
-57.5°	8.8	10.2	12.1	13.0	14.5	17.2	20.2	23.6	27.8	33.0	43.3
-60°	8.8	10.1	12.2	13.1	14.3	16.8	19.7	23.0	25.8	30.5	35.1
-62.5°	8.8	10.0	11.9	13.1	14.3	16.4	19.2	22.2	25.0	28.0	32.4
-65°	8.8	9.9	11.7	13.1	14.3	16.0	18.6	21.4	24.1	26.7	29.8
-67.5°	8.8	9.8	11.4	13.1	14.3	15.7	18.0	20.7	23.1	25.6	28.1
-70°	8.8	9.7	11.2	13.1	14.2	15.6	17.3	20.0	22.6	24.6	26.9
-72.5°	8.8	9.6	10.9	12.8	14.1	15.4	16.9	19.4	22.0	24.2	25.9
-75°	8.8	9.5	10.6	12.3	14.1	15.2	16.6	18.8	21.6	24.0	26.0
-77.5°	8.8	9.4	10.3	11.8	13.5	15.0	16.2	18.2	20.7	23.4	26.1
-80°	8.8	9.3	10.0	11.3	12.7	14.3	15.9	17.6	19.6	22.0	24.6
-82.5°	8.8	9.2	9.7	10.8	12.0	13.3	14.7	16.5	18.5	20.4	22.5
-85°	8.8	9.0	9.4	10.3	11.2	12.2	13.3	14.7	16.3	18.0	19.8
-87.5°	8.8	8.9	9.1	9.8	10.5	11.2	12.0	12.9	13.9	15.0	16.1
-90°	8.8	8.8	8.8	8.4	7.9	7.5	7.0	7.0	7.0	7.0	7.0





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.8	13.3	13.7
87.5°	7.0	7.0	7.0	7.0	6.6	6.1	5.7	5.2	5.1	5.0	5.0
85°	7.0	7.0	7.0	7.0	6.7	6.4	6.1	6.0	5.8	5.7	5.5
82.5°	7.5	7.5	7.3	7.0	6.9	6.9	7.0	7.0	6.6	6.1	5.7
80°	8.2	8.0	7.5	7.1	7.0	7.0	7.0	7.0	6.6	6.3	6.0
77.5°	8.5	8.0	7.6	7.1	7.1	7.4	7.7	7.9	7.9	7.7	7.5
75°	8.5	8.1	7.8	7.8	8.1	8.5	8.8	8.8	8.5	8.1	7.6
72.5°	8.6	8.4	8.5	8.8	8.8	8.8	8.8	8.8	9.2	9.7	9.9
70°	8.7	8.8	8.8	8.8	8.8	9.1	10.4	11.8	13.0	14.0	15.9
67.5°	8.8	8.8	8.8	9.0	10.2	11.6	13.3	17.7	22.8	25.0	25.9
65°	8.8	8.8	9.5	10.7	12.2	16.0	20.9	26.9	33.4	34.6	33.4
62.5°	8.8	9.5	10.7	12.9	16.8	21.7	27.5	34.2	42.1	41.2	35.4
60°	9.5	10.4	12.9	16.7	21.1	25.9	32.7	37.3	42.0	43.4	32.7
57.5°	10.4	12.1	15.8	20.1	24.5	28.2	30.8	34.8	36.3	35.3	25.3
55°	11.6	14.3	18.5	23.2	26.3	24.8	26.3	27.1	26.6	24.2	16.9
52.5°	13.4	16.4	21.3	25.2	25.3	22.1	19.7	19.8	18.0	14.8	12.6
50°	14.9	19.0	23.8	25.8	23.8	18.8	14.9	14.5	13.3	11.9	10.6
47.5°	16.7	21.2	25.6	26.1	20.8	17.3	14.0	12.6	11.8	11.6	11.0
45°	18.4	22.6	27.2	23.5	19.6	17.8	15.1	12.4	12.6	12.5	12.0
42.5°	19.7	23.6	25.2	21.1	21.1	19.4	16.9	15.1	14.1	14.4	14.1
40°	20.3	24.1	23.5	23.7	23.3	21.5	21.0	19.5	16.7	17.5	17.6
37.5°	20.6	23.6	24.2	28.2	25.6	25.5	26.3	25.8	23.6	21.7	24.2
35°	20.6	23.9	29.6	33.4	30.6	31.4	33.3	33.6	32.3	31.2	36.5
32.5°	21.0	25.2	36.4	38.8	39.5	40.4	41.4	43.2	44.5	47.5	58.9
30°	23.5	31.4	43.6	45.0	49.9	55.4	53.6	54.5	58.6	80.5	102.2
27.5°	28.6	39.4	49.6	54.3	62.7	74.6	78.6	71.2	89.0	124.0	162.5
25°	34.8	60.5	56.2	65.3	81.5	99.8	111.0	112.9	135.7	189.4	228.3
22.5°	46.9	87.7	85.7	77.0	103.2	130.3	153.1	197.6	265.2	292.2	298.8
20°	67.1	114.1	121.8	124.0	135.6	165.1	202.0	312.6	458.5	511.1	446.3
17.5°	90.5	143.3	161.8	182.9	214.4	232.6	265.4	450.7	699.7	766.2	743.7
15°	116.5	174.9	204.1	247.4	300.0	339.3	443.6	679.5	953.4	1052.9	1085.7
12.5°	144.2	208.3	248.4	316.3	390.3	449.2	671.5	1044.9	1299.3	1382.0	1526.9
10°	172.7	242.8	293.8	388.0	483.9	561.3	925.9	1431.2	1686.6	1785.5	1967.2
7.5°	208.1	279.9	340.4	461.0	579.1	674.1	1195.4	1827.4	2069.4	2180.3	2356.6
5°	244.1	318.7	390.0	523.9	657.3	771.8	1449.0	2219.9	2446.1	2566.5	2705.7
2.5°	278.1	356.1	438.5	581.7	721.8	844.0	1608.8	2434.6	2658.5	2818.1	2982.3
0°	308.8	391.8	485.2	635.2	781.7	912.2	1741.5	2616.8	2830.3	3003.2	3211.4
-2.5°	312.0	401.9	498.5	641.7	785.4	909.9	1729.7	2622.0	2897.2	3108.1	3291.4
-5°	311.1	409.4	508.9	644.2	784.5	903.6	1684.2	2586.5	2923.5	3127.7	3278.7
-7.5°	306.7	414.1	516.3	640.7	767.5	873.5	1581.7	2452.6	2816.0	2986.8	3151.1
-10°	299.9	412.6	508.3	616.7	728.8	827.5	1437.7	2284.4	2709.5	2849.0	3002.3
-12.5°	292.7	406.5	496.6	592.0	689.7	779.5	1257.1	2085.2	2609.6	2719.2	2836.2
-15°	284.1	399.1	484.0	567.8	651.4	730.2	1039.5	1857.6	2508.0	2621.5	2695.0
-17.5°	274.8	390.8	471.1	544.9	615.0	680.0	788.2	1553.8	2281.2	2503.7	2593.0
-20°	265.5	381.8	458.1	524.1	581.8	641.9	713.2	1234.9	1908.0	2347.6	2489.6



REPORT NUMBER: P574505 (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°	256.6	372.4	445.1	506.1	561.2	614.6	674.7	935.5	1504.9	2157.5	2358.3
-25°	253.3	356.8	431.8	491.8	544.3	588.0	636.4	693.7	1138.6	1763.2	2184.3
-27.5°	253.0	343.5	416.3	476.4	530.0	564.4	604.7	651.6	885.8	1374.1	1967.0
-30°	249.8	324.4	399.3	459.3	512.9	549.4	577.0	624.0	688.5	1066.2	1553.8
-32.5°	238.8	304.5	377.8	439.1	493.5	538.5	561.6	604.5	658.6	769.7	1181.5
-35°	224.3	286.9	354.5	417.6	473.0	522.5	557.6	586.1	629.6	685.7	864.1
-37.5°	210.5	267.5	330.9	393.6	448.3	502.8	552.0	576.7	608.6	654.4	721.1
-40°	194.9	246.5	307.7	367.9	423.9	479.5	529.7	571.6	593.9	637.0	688.9
-42.5°	177.5	227.4	282.9	341.7	395.4	450.4	505.6	551.0	594.1	625.1	666.7
-45°	158.2	206.4	257.0	310.4	363.5	417.5	471.2	526.0	576.3	625.0	655.0
-47.5°	137.2	183.3	231.3	276.6	327.6	379.7	433.1	488.2	546.9	598.8	652.9
-50°	115.6	158.1	202.3	244.1	288.2	337.9	388.8	445.0	501.3	558.6	612.9
-52.5°	95.8	130.9	171.7	211.5	250.5	292.4	341.9	394.7	449.1	504.6	556.2
-55°	75.1	106.6	139.9	177.4	214.4	250.3	291.2	340.2	390.6	442.0	490.0
-57.5°	59.8	82.4	111.0	142.1	176.6	211.0	247.1	283.9	328.2	374.6	415.8
-60°	47.5	62.7	83.7	110.1	137.7	169.7	203.4	237.2	270.9	302.8	338.9
-62.5°	36.5	48.3	62.1	79.6	103.7	127.9	156.2	187.1	219.1	246.2	270.5
-65°	33.6	36.7	46.1	58.6	71.0	92.2	113.8	134.7	161.3	186.3	209.5
-67.5°	30.7	33.8	36.5	40.8	52.1	64.1	75.8	94.6	112.8	128.9	145.2
-70°	29.2	31.0	33.5	35.9	38.3	43.8	54.4	64.7	74.6	86.0	100.1
-72.5°	27.9	29.8	31.5	33.0	35.3	38.2	41.2	44.3	50.5	58.6	66.7
-75°	27.2	28.6	30.4	32.0	33.5	35.2	37.1	39.8	42.3	44.6	46.7
-77.5°	27.0	28.0	29.3	30.9	32.4	33.8	35.2	36.8	38.4	40.2	42.2
-80°	26.0	27.2	28.1	29.1	30.0	31.1	32.4	33.9	35.2	36.4	37.6
-82.5°	23.4	24.2	25.2	26.2	27.0	27.7	28.3	29.0	29.8	30.6	31.4
-85°	20.5	21.2	21.7	22.2	22.7	23.2	23.7	24.1	24.5	24.9	25.3
-87.5°	16.5	16.8	17.1	17.4	17.8	18.1	18.3	18.6	19.0	19.3	19.6
-90°	7.0	7.0	7.0	7.0	6.6	6.1	5.7	5.2	4.8	4.4	4.0



REPORT NUMBER: P574505 (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°
90°	14.1	14.1	14.1	14.1	14.1	15.4	16.8	18.1	19.4	23.4	27.4
87.5°	4.9	4.6	4.3	4.0	3.6	3.2	2.7	2.3	1.8	1.8	1.8
85°	5.2	4.8	4.4	4.0	3.6	3.5	3.5	3.5	3.5	3.1	2.7
82.5°	5.2	4.8	4.4	4.0	3.6	3.6	3.6	3.6	3.6	3.2	2.7
80°	5.8	5.4	4.9	4.3	3.7	3.6	3.6	3.6	3.6	3.6	3.5
77.5°	7.1	6.4	5.7	5.1	4.6	4.4	4.2	4.0	3.6	3.6	3.6
75°	7.2	6.8	6.6	6.2	5.5	4.9	4.5	4.1	3.7	3.6	3.6
72.5°	9.9	9.5	8.8	8.3	7.2	6.4	6.1	5.6	5.0	4.7	4.4
70°	17.0	17.2	16.1	14.0	11.3	9.5	8.5	7.3	5.8	5.1	5.1
67.5°	24.9	22.6	20.1	17.6	14.5	11.8	10.2	8.6	7.1	6.4	6.1
65°	29.6	23.1	19.3	16.3	13.9	11.5	9.6	8.0	6.5	5.6	5.4
62.5°	28.4	20.0	15.3	12.5	10.3	8.6	7.3	6.1	4.9	4.2	4.4
60°	23.3	15.2	11.0	9.4	8.1	7.1	6.0	4.9	4.1	3.7	4.2
57.5°	17.3	11.6	8.7	8.0	7.0	5.8	4.9	4.5	4.0	3.6	3.7
55°	12.1	10.0	8.8	7.9	6.9	5.9	5.0	4.7	4.6	4.6	4.8
52.5°	10.1	9.5	9.0	8.2	7.2	6.1	5.2	5.2	5.2	5.2	5.2
50°	10.1	9.7	9.2	8.5	7.5	6.4	5.3	5.4	5.5	5.3	5.2
47.5°	10.3	9.8	9.5	8.9	7.9	7.2	6.9	6.8	6.6	6.4	6.4
45°	10.8	10.9	10.5	9.5	8.5	9.1	9.1	8.6	10.3	10.3	9.2
42.5°	13.2	12.9	12.5	13.2	12.7	15.5	19.5	21.1	18.8	15.3	12.7
40°	17.8	17.1	20.8	23.7	28.9	32.6	28.5	23.3	20.7	21.8	22.6
37.5°	27.4	31.3	39.5	48.7	46.0	35.7	35.7	34.9	33.0	34.9	35.0
35°	46.6	59.6	68.5	71.1	64.6	57.1	57.3	56.7	48.4	51.4	51.9
32.5°	78.5	94.8	101.8	96.7	90.4	87.8	91.7	86.2	79.3	81.3	87.5
30°	115.8	133.5	141.8	128.3	111.3	116.3	120.5	117.6	121.2	131.8	143.3
27.5°	172.9	184.2	194.7	170.3	142.5	151.7	156.9	150.9	177.4	189.4	220.1
25°	244.1	257.8	249.2	237.6	221.1	210.8	228.8	238.8	271.6	300.9	343.9
22.5°	320.5	359.0	352.1	321.3	319.5	327.2	337.3	377.5	417.7	483.3	567.8
20°	413.9	509.6	523.7	487.6	450.7	496.1	534.1	590.4	697.8	912.5	1182.0
17.5°	737.4	694.2	756.8	779.9	748.6	800.2	961.1	1117.4	1531.3	2862.2	3677.2
15°	1217.6	1155.5	1109.0	1173.6	1271.1	1408.9	1678.2	2515.7	4612.8	7908.3	11588.1
12.5°	1694.7	1652.4	1625.6	1698.4	1854.7	2194.3	3316.7	6693.7	12018.7	18459.7	33443.6
10°	2124.8	2135.7	2165.0	2337.0	2649.6	3444.5	5686.5	11745.8	23800.3	42522.2	64141.5
7.5°	2471.9	2501.2	2639.9	2951.5	3493.1	5379.4	10606.2	21378.0	40582.9	69069.5	113305.6
5°	2816.7	2858.1	3053.2	3444.1	4118.7	6776.4	14948.5	31553.5	59334.6	102184.2	173042.9
2.5°	3128.8	3170.3	3417.3	3897.4	4643.7	7216.2	15967.3	35325.0	72879.4	131383.2	226102.4
0°	3393.2	3363.2	3590.8	4074.2	4921.2	7998.5	17668.0	38088.8	79157.6	142886.5	243682.3
-2.5°	3462.3	3388.3	3575.8	4034.3	4818.9	7755.2	17065.0	36275.5	75301.9	132308.8	219052.2
-5°	3380.2	3265.6	3376.2	3765.5	4478.9	6865.4	14356.3	31182.9	63276.7	110477.1	183522.9
-7.5°	3211.4	3094.5	3133.8	3450.7	4062.2	5810.9	11178.2	24016.7	47770.7	79789.9	128618.7
-10°	3068.1	2940.2	2890.8	3091.1	3548.8	4587.5	7453.9	15131.0	30896.7	53828.1	82546.3
-12.5°	2947.3	2815.5	2664.6	2713.7	3022.5	3624.0	5379.0	10419.6	19690.6	32990.7	50714.5
-15°	2824.0	2695.9	2522.6	2504.2	2677.6	3030.3	3670.3	5678.0	11291.5	18846.2	27780.9
-17.5°	2663.2	2602.4	2472.5	2374.0	2381.0	2586.4	2998.4	3804.8	5511.9	9644.7	14024.7
-20°	2538.6	2554.3	2441.9	2331.1	2292.6	2335.5	2543.2	2911.9	3493.5	4909.8	6713.3



REPORT NUMBER: P574505 (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°	2424.5	2436.4	2390.7	2369.7	2336.6	2305.6	2287.5	2452.8	2724.5	3097.3	3780.3
-25°	2312.1	2332.4	2376.4	2465.5	2492.7	2397.2	2282.2	2207.6	2325.7	2453.2	2692.9
-27.5°	2161.1	2255.3	2423.3	2553.0	2628.3	2545.1	2383.8	2259.1	2226.7	2186.5	2294.6
-30°	2018.9	2180.3	2350.7	2589.3	2652.6	2611.3	2521.1	2433.0	2350.4	2293.6	2272.6
-32.5°	1675.7	2083.5	2217.9	2409.5	2619.4	2639.0	2615.0	2577.3	2533.0	2495.2	2460.1
-35°	1301.5	1752.7	2126.6	2247.0	2406.0	2574.5	2671.1	2671.0	2672.4	2661.0	2654.7
-37.5°	911.3	1348.1	1743.6	2080.8	2248.9	2400.9	2571.9	2681.3	2737.2	2748.9	2764.2
-40°	751.9	876.3	1271.7	1638.1	1934.7	2224.3	2395.3	2581.5	2713.9	2760.0	2799.9
-42.5°	717.7	769.6	821.8	1094.5	1435.9	1743.2	2010.8	2271.3	2504.1	2650.5	2752.8
-45°	689.2	727.7	769.7	818.9	869.1	1132.0	1419.4	1705.0	1976.9	2228.2	2449.6
-47.5°	676.2	692.9	725.1	762.8	798.2	842.4	890.4	968.5	1206.1	1446.5	1691.5
-50°	652.0	682.5	699.0	716.0	741.6	770.3	797.7	827.7	862.1	894.4	933.5
-52.5°	602.0	638.1	671.6	697.9	711.0	724.7	738.5	757.8	777.2	794.9	813.9
-55°	534.2	575.6	615.8	644.7	669.5	692.7	712.2	722.9	732.8	741.9	752.9
-57.5°	457.4	499.4	539.1	571.3	601.5	629.6	651.5	669.1	685.1	699.7	714.6
-60°	375.3	411.9	447.9	482.1	514.5	544.9	567.4	587.7	606.2	623.8	642.9
-62.5°	294.1	322.1	354.4	385.2	413.8	440.5	466.9	489.8	509.4	527.4	545.7
-65°	230.9	250.9	273.9	295.3	315.4	340.7	368.4	392.4	413.0	431.0	447.0
-67.5°	165.0	184.5	207.3	227.5	246.0	264.7	285.7	306.3	326.4	346.1	364.9
-70°	112.7	126.0	143.7	163.3	182.5	199.5	215.3	230.7	245.5	260.6	275.3
-72.5°	74.7	82.7	91.5	103.9	117.3	131.5	145.2	158.3	170.6	183.6	196.4
-75°	48.6	51.9	58.5	64.8	70.8	78.1	85.8	93.2	100.1	108.0	115.6
-77.5°	44.2	46.0	47.6	49.4	51.1	54.6	58.5	62.5	66.5	72.9	79.7
-80°	38.9	40.2	41.5	42.9	44.2	47.0	50.1	53.2	56.4	61.8	67.6
-82.5°	32.2	33.3	34.3	35.3	36.3	38.4	40.6	42.8	44.9	48.6	52.4
-85°	25.7	26.3	27.0	27.6	28.3	30.3	32.3	34.3	36.3	40.1	43.8
-87.5°	19.9	20.1	20.2	20.4	20.5	22.0	23.4	24.8	26.3	30.3	34.3
-90°	3.6	3.6	3.6	3.6	3.6	3.2	2.7	2.3	1.8	1.4	0.9



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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°	31.3	35.3	38.0	40.6	38.0	35.3	31.3	27.4	23.4	19.4	18.1
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3
85°	2.2	1.8	1.8	1.8	1.8	1.8	2.2	2.7	3.1	3.5	3.5
82.5°	2.3	1.8	1.8	1.8	1.8	1.8	2.3	2.7	3.2	3.6	3.6
80°	3.6	3.6	2.7	1.8	2.7	3.6	3.6	3.5	3.6	3.6	3.6
77.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.0
75°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7	4.1
72.5°	4.0	3.6	3.6	3.6	3.6	3.6	4.0	4.4	4.7	5.0	5.6
70°	5.1	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.8	7.3
67.5°	5.7	5.3	4.5	3.6	4.5	5.3	5.7	6.1	6.4	7.1	8.6
65°	5.3	5.2	4.5	3.6	4.5	5.2	5.3	5.4	5.6	6.5	8.0
62.5°	4.7	5.1	4.5	3.6	4.5	5.1	4.7	4.4	4.2	4.9	6.1
60°	4.6	5.1	4.5	3.6	4.5	5.1	4.6	4.2	3.7	4.1	4.9
57.5°	3.7	3.7	4.3	5.2	4.3	3.7	3.7	3.7	3.6	4.0	4.5
55°	5.0	5.1	5.2	5.2	5.2	5.1	5.0	4.8	4.6	4.6	4.7
52.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
50°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.5	5.4
47.5°	6.7	6.9	6.4	5.2	6.4	6.9	6.7	6.4	6.4	6.6	6.8
45°	9.3	9.0	8.7	8.8	8.7	9.0	9.3	9.2	10.3	10.3	8.6
42.5°	12.7	12.5	12.7	14.1	12.7	12.5	12.7	12.7	15.3	18.8	21.1
40°	22.9	22.1	21.0	21.2	21.0	22.1	22.9	22.6	21.8	20.7	23.3
37.5°	34.9	34.9	34.9	35.3	34.9	34.9	34.9	35.0	34.9	33.0	34.9
35°	51.6	51.6	50.6	51.1	50.6	51.6	51.6	51.9	51.4	48.4	56.7
32.5°	90.5	89.8	85.0	83.0	85.0	89.8	90.5	87.5	81.3	79.3	86.2
30°	153.0	160.7	164.5	165.9	164.5	160.7	153.0	143.3	131.8	121.2	117.6
27.5°	243.2	262.6	275.9	284.1	275.9	262.6	243.2	220.1	189.4	177.4	150.9
25°	387.1	416.6	433.0	430.5	433.0	416.6	387.1	343.9	300.9	271.6	238.8
22.5°	687.3	763.6	807.9	818.7	807.9	763.6	687.3	567.8	483.3	417.7	377.5
20°	1644.9	1752.4	1946.8	1863.3	1946.8	1752.4	1644.9	1182.0	912.5	697.8	590.4
17.5°	5975.1	7645.0	7833.5	6906.3	7833.5	7645.0	5975.1	3677.2	2862.2	1531.3	1117.4
15°	18136.8	22448.4	24459.8	23399.1	24459.8	22448.4	18136.8	11588.1	7908.3	4612.8	2515.7
12.5°	45036.6	57896.7	69939.7	68712.7	69939.7	57896.7	45036.6	33443.6	18459.7	12018.7	6693.7
10°	95950.4	126419.0	153694.9	162202.5	153694.9	126419.0	95950.4	64141.5	42522.2	23800.3	11745.8
7.5°	172921.1	222027.4	259250.4	277629.7	259250.4	222027.4	172921.1	113305.6	69069.5	40582.9	21378.0
5°	261786.1	345794.3	400240.8	421259.0	400240.8	345794.3	261786.1	173042.9	102184.2	59334.6	31553.5
2.5°	336911.6	444892.8	525555.1	555700.5	525555.1	444892.8	336911.6	226102.4	131383.2	72879.4	35325.0
0°	363982.2	484558.9	572577.9	625118.0	572577.9	484558.9	363982.2	243682.3	142886.5	79157.6	38088.8
-2.5°	330039.3	439226.4	515433.4	548440.4	515433.4	439226.4	330039.3	219052.2	132308.8	75301.9	36275.5
-5°	270633.7	357597.7	418057.7	440982.7	418057.7	357597.7	270633.7	183522.9	110477.1	63276.7	31182.9
-7.5°	192304.6	246390.4	289498.2	305685.4	289498.2	246390.4	192304.6	128618.7	79789.9	47770.7	24016.7
-10°	117641.5	154119.4	179825.1	190727.6	179825.1	154119.4	117641.5	82546.3	53828.1	30896.7	15131.0
-12.5°	68517.5	90489.4	107882.8	113687.3	107882.8	90489.4	68517.5	50714.5	32990.7	19690.6	10419.6
-15°	39890.5	50454.7	57610.2	60402.7	57610.2	50454.7	39890.5	27780.9	18846.2	11291.5	5678.0
-17.5°	21148.9	26312.7	29338.8	29912.0	29338.8	26312.7	21148.9	14024.7	9644.7	5511.9	3804.8
-20°	9868.9	12055.5	13451.6	13719.1	13451.6	12055.5	9868.9	6713.3	4909.8	3493.5	2911.9



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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°	4623.3	5168.3	5432.2	5496.4	5432.2	5168.3	4623.3	3780.3	3097.3	2724.5	2452.8
-25°	2922.4	3077.6	3159.4	3190.2	3159.4	3077.6	2922.4	2692.9	2453.2	2325.7	2207.6
-27.5°	2381.0	2448.7	2495.1	2519.7	2495.1	2448.7	2381.0	2294.6	2186.5	2226.7	2259.1
-30°	2254.8	2242.5	2240.6	2239.1	2240.6	2242.5	2254.8	2272.6	2293.6	2350.4	2433.0
-32.5°	2426.4	2394.4	2377.3	2382.1	2377.3	2394.4	2426.4	2460.1	2495.2	2533.0	2577.3
-35°	2653.6	2655.5	2663.6	2660.9	2663.6	2655.5	2653.6	2654.7	2661.0	2672.4	2671.0
-37.5°	2775.5	2786.8	2800.1	2812.6	2800.1	2786.8	2775.5	2764.2	2748.9	2737.2	2681.3
-40°	2823.7	2846.7	2867.6	2883.2	2867.6	2846.7	2823.7	2799.9	2760.0	2713.9	2581.5
-42.5°	2794.1	2826.1	2846.6	2855.0	2846.6	2826.1	2794.1	2752.8	2650.5	2504.1	2271.3
-45°	2600.6	2705.9	2762.8	2779.1	2762.8	2705.9	2600.6	2449.6	2228.2	1976.9	1705.0
-47.5°	1933.7	2151.9	2283.9	2311.5	2283.9	2151.9	1933.7	1691.5	1446.5	1206.1	968.5
-50°	977.9	1020.9	1044.6	1048.1	1044.6	1020.9	977.9	933.5	894.4	862.1	827.7
-52.5°	832.0	848.2	856.2	857.5	856.2	848.2	832.0	813.9	794.9	777.2	757.8
-55°	763.5	773.4	777.7	778.2	777.7	773.4	763.5	752.9	741.9	732.8	722.9
-57.5°	727.2	737.6	744.1	748.1	744.1	737.6	727.2	714.6	699.7	685.1	669.1
-60°	659.7	674.0	681.3	684.6	681.3	674.0	659.7	642.9	623.8	606.2	587.7
-62.5°	561.9	575.7	583.4	587.6	583.4	575.7	561.9	545.7	527.4	509.4	489.8
-65°	460.6	472.1	478.8	483.5	478.8	472.1	460.6	447.0	431.0	413.0	392.4
-67.5°	382.5	398.6	406.4	411.2	406.4	398.6	382.5	364.9	346.1	326.4	306.3
-70°	288.9	301.5	307.1	310.6	307.1	301.5	288.9	275.3	260.6	245.5	230.7
-72.5°	208.2	219.1	224.2	227.6	224.2	219.1	208.2	196.4	183.6	170.6	158.3
-75°	122.8	129.4	133.8	137.7	133.8	129.4	122.8	115.6	108.0	100.1	93.2
-77.5°	86.4	93.0	96.9	100.6	96.9	93.0	86.4	79.7	72.9	66.5	62.5
-80°	73.3	78.9	81.9	84.7	81.9	78.9	73.3	67.6	61.8	56.4	53.2
-82.5°	56.2	59.8	61.7	63.5	61.7	59.8	56.2	52.4	48.6	44.9	42.8
-85°	47.4	51.0	52.9	54.7	52.9	51.0	47.4	43.8	40.1	36.3	34.3
-87.5°	38.3	42.3	44.1	45.9	44.1	42.3	38.3	34.3	30.3	26.3	24.8
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	1.8	2.3



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	16.8	15.4	14.1	14.1	14.1	14.1	14.1	13.7	13.3	12.8	12.4
87.5°	2.7	3.2	3.6	4.0	4.3	4.6	4.9	5.0	5.0	5.1	5.2
85°	3.5	3.5	3.6	4.0	4.4	4.8	5.2	5.5	5.7	5.8	6.0
82.5°	3.6	3.6	3.6	4.0	4.4	4.8	5.2	5.7	6.1	6.6	7.0
80°	3.6	3.6	3.7	4.3	4.9	5.4	5.8	6.0	6.3	6.6	7.0
77.5°	4.2	4.4	4.6	5.1	5.7	6.4	7.1	7.5	7.7	7.9	7.9
75°	4.5	4.9	5.5	6.2	6.6	6.8	7.2	7.6	8.1	8.5	8.8
72.5°	6.1	6.4	7.2	8.3	8.8	9.5	9.9	9.9	9.7	9.2	8.8
70°	8.5	9.5	11.3	14.0	16.1	17.2	17.0	15.9	14.0	13.0	11.8
67.5°	10.2	11.8	14.5	17.6	20.1	22.6	24.9	25.9	25.0	22.8	17.7
65°	9.6	11.5	13.9	16.3	19.3	23.1	29.6	33.4	34.6	33.4	26.9
62.5°	7.3	8.6	10.3	12.5	15.3	20.0	28.4	35.4	41.2	42.1	34.2
60°	6.0	7.1	8.1	9.4	11.0	15.2	23.3	32.7	43.4	42.0	37.3
57.5°	4.9	5.8	7.0	8.0	8.7	11.6	17.3	25.3	35.3	36.3	34.8
55°	5.0	5.9	6.9	7.9	8.8	10.0	12.1	16.9	24.2	26.6	27.1
52.5°	5.2	6.1	7.2	8.2	9.0	9.5	10.1	12.6	14.8	18.0	19.8
50°	5.3	6.4	7.5	8.5	9.2	9.7	10.1	10.6	11.9	13.3	14.5
47.5°	6.9	7.2	7.9	8.9	9.5	9.8	10.3	11.0	11.6	11.8	12.6
45°	9.1	9.1	8.5	9.5	10.5	10.9	10.8	12.0	12.5	12.6	12.4
42.5°	19.5	15.5	12.7	13.2	12.5	12.9	13.2	14.1	14.4	14.1	15.1
40°	28.5	32.6	28.9	23.7	20.8	17.1	17.8	17.6	17.5	16.7	19.5
37.5°	35.7	35.7	46.0	48.7	39.5	31.3	27.4	24.2	21.7	23.6	25.8
35°	57.3	57.1	64.6	71.1	68.5	59.6	46.6	36.5	31.2	32.3	33.6
32.5°	91.7	87.8	90.4	96.7	101.8	94.8	78.5	58.9	47.5	44.5	43.2
30°	120.5	116.3	111.3	128.3	141.8	133.5	115.8	102.2	80.5	58.6	54.5
27.5°	156.9	151.7	142.5	170.3	194.7	184.2	172.9	162.5	124.0	89.0	71.2
25°	228.8	210.8	221.1	237.6	249.2	257.8	244.1	228.3	189.4	135.7	112.9
22.5°	337.3	327.2	319.5	321.3	352.1	359.0	320.5	298.8	292.2	265.2	197.6
20°	534.1	496.1	450.7	487.6	523.7	509.6	413.9	446.3	511.1	458.5	312.6
17.5°	961.1	800.2	748.6	779.9	756.8	694.2	737.4	743.7	766.2	699.7	450.7
15°	1678.2	1408.9	1271.1	1173.6	1109.0	1155.5	1217.6	1085.7	1052.9	953.4	679.5
12.5°	3316.7	2194.3	1854.7	1698.4	1625.6	1652.4	1694.7	1526.9	1382.0	1299.3	1044.9
10°	5686.5	3444.5	2649.6	2337.0	2165.0	2135.7	2124.8	1967.2	1785.5	1686.6	1431.2
7.5°	10606.2	5379.4	3493.1	2951.5	2639.9	2501.2	2471.9	2356.6	2180.3	2069.4	1827.4
5°	14948.5	6776.4	4118.7	3444.1	3053.2	2858.1	2816.7	2705.7	2566.5	2446.1	2219.9
2.5°	15967.3	7216.2	4643.7	3897.4	3417.3	3170.3	3128.8	2982.3	2818.1	2658.5	2434.6
0°	17668.0	7998.5	4921.2	4074.2	3590.8	3363.2	3393.2	3211.4	3003.2	2830.3	2616.8
-2.5°	17065.0	7755.2	4818.9	4034.3	3575.8	3388.3	3462.3	3291.4	3108.1	2897.2	2622.0
-5°	14356.3	6865.4	4478.9	3765.5	3376.2	3265.6	3380.2	3278.7	3127.7	2923.5	2586.5
-7.5°	11178.2	5810.9	4062.2	3450.7	3133.8	3094.5	3211.4	3151.1	2986.8	2816.0	2452.6
-10°	7453.9	4587.5	3548.8	3091.1	2890.8	2940.2	3068.1	3002.3	2849.0	2709.5	2284.4
-12.5°	5379.0	3624.0	3022.5	2713.7	2664.6	2815.5	2947.3	2836.2	2719.2	2609.6	2085.2
-15°	3670.3	3030.3	2677.6	2504.2	2522.6	2695.9	2824.0	2695.0	2621.5	2508.0	1857.6
-17.5°	2998.4	2586.4	2381.0	2374.0	2472.5	2602.4	2663.2	2593.0	2503.7	2281.2	1553.8
-20°	2543.2	2335.5	2292.6	2331.1	2441.9	2554.3	2538.6	2489.6	2347.6	1908.0	1234.9





REPORT NUMBER: P574505 (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°	2287.5	2305.6	2336.6	2369.7	2390.7	2436.4	2424.5	2358.3	2157.5	1504.9	935.5
-25°	2282.2	2397.2	2492.7	2465.5	2376.4	2332.4	2312.1	2184.3	1763.2	1138.6	693.7
-27.5°	2383.8	2545.1	2628.3	2553.0	2423.3	2255.3	2161.1	1967.0	1374.1	885.8	651.6
-30°	2521.1	2611.3	2652.6	2589.3	2350.7	2180.3	2018.9	1553.8	1066.2	688.5	624.0
-32.5°	2615.0	2639.0	2619.4	2409.5	2217.9	2083.5	1675.7	1181.5	769.7	658.6	604.5
-35°	2671.1	2574.5	2406.0	2247.0	2126.6	1752.7	1301.5	864.1	685.7	629.6	586.1
-37.5°	2571.9	2400.9	2248.9	2080.8	1743.6	1348.1	911.3	721.1	654.4	608.6	576.7
-40°	2395.3	2224.3	1934.7	1638.1	1271.7	876.3	751.9	688.9	637.0	593.9	571.6
-42.5°	2010.8	1743.2	1435.9	1094.5	821.8	769.6	717.7	666.7	625.1	594.1	551.0
-45°	1419.4	1132.0	869.1	818.9	769.7	727.7	689.2	655.0	625.0	576.3	526.0
-47.5°	890.4	842.4	798.2	762.8	725.1	692.9	676.2	652.9	598.8	546.9	488.2
-50°	797.7	770.3	741.6	716.0	699.0	682.5	652.0	612.9	558.6	501.3	445.0
-52.5°	738.5	724.7	711.0	697.9	671.6	638.1	602.0	556.2	504.6	449.1	394.7
-55°	712.2	692.7	669.5	644.7	615.8	575.6	534.2	490.0	442.0	390.6	340.2
-57.5°	651.5	629.6	601.5	571.3	539.1	499.4	457.4	415.8	374.6	328.2	283.9
-60°	567.4	544.9	514.5	482.1	447.9	411.9	375.3	338.9	302.8	270.9	237.2
-62.5°	466.9	440.5	413.8	385.2	354.4	322.1	294.1	270.5	246.2	219.1	187.1
-65°	368.4	340.7	315.4	295.3	273.9	250.9	230.9	209.5	186.3	161.3	134.7
-67.5°	285.7	264.7	246.0	227.5	207.3	184.5	165.0	145.2	128.9	112.8	94.6
-70°	215.3	199.5	182.5	163.3	143.7	126.0	112.7	100.1	86.0	74.6	64.7
-72.5°	145.2	131.5	117.3	103.9	91.5	82.7	74.7	66.7	58.6	50.5	44.3
-75°	85.8	78.1	70.8	64.8	58.5	51.9	48.6	46.7	44.6	42.3	39.8
-77.5°	58.5	54.6	51.1	49.4	47.6	46.0	44.2	42.2	40.2	38.4	36.8
-80°	50.1	47.0	44.2	42.9	41.5	40.2	38.9	37.6	36.4	35.2	33.9
-82.5°	40.6	38.4	36.3	35.3	34.3	33.3	32.2	31.4	30.6	29.8	29.0
-85°	32.3	30.3	28.3	27.6	27.0	26.3	25.7	25.3	24.9	24.5	24.1
-87.5°	23.4	22.0	20.5	20.4	20.2	20.1	19.9	19.6	19.3	19.0	18.6
-90°	2.7	3.2	3.6	3.6	3.6	3.6	3.6	4.0	4.4	4.8	5.2





REPORT NUMBER: P574505 (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°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.0	11.5	11.1
87.5°	5.7	6.1	6.6	7.0	7.0	7.0	7.0	7.0	7.2	7.3	7.4
85°	6.1	6.4	6.7	7.0	7.0	7.0	7.0	7.0	7.4	7.6	7.8
82.5°	7.0	6.9	6.9	7.0	7.3	7.5	7.5	7.5	7.7	7.9	8.2
80°	7.0	7.0	7.0	7.1	7.5	8.0	8.2	8.2	8.2	8.3	8.5
77.5°	7.7	7.4	7.1	7.1	7.6	8.0	8.5	8.8	8.7	8.6	8.6
75°	8.8	8.5	8.1	7.8	7.8	8.1	8.5	8.9	9.0	8.8	8.7
72.5°	8.8	8.8	8.8	8.8	8.5	8.4	8.6	9.0	9.2	9.2	8.9
70°	10.4	9.1	8.8	8.8	8.8	8.8	8.7	9.0	9.5	9.6	9.4
67.5°	13.3	11.6	10.2	9.0	8.8	8.8	8.8	9.1	9.5	10.0	9.8
65°	20.9	16.0	12.2	10.7	9.5	8.8	8.8	9.2	9.6	10.0	10.3
62.5°	27.5	21.7	16.8	12.9	10.7	9.5	8.8	9.3	9.7	10.1	10.5
60°	32.7	25.9	21.1	16.7	12.9	10.4	9.5	9.3	9.7	10.2	10.6
57.5°	30.8	28.2	24.5	20.1	15.8	12.1	10.4	9.9	9.8	10.2	10.6
55°	26.3	24.8	26.3	23.2	18.5	14.3	11.6	10.6	10.1	10.3	10.7
52.5°	19.7	22.1	25.3	25.2	21.3	16.4	13.4	11.4	10.7	10.4	10.8
50°	14.9	18.8	23.8	25.8	23.8	19.0	14.9	12.6	11.4	10.6	11.0
47.5°	14.0	17.3	20.8	26.1	25.6	21.2	16.7	13.7	12.0	11.2	11.2
45°	15.1	17.8	19.6	23.5	27.2	22.6	18.4	14.6	12.8	11.9	11.4
42.5°	16.9	19.4	21.1	21.1	25.2	23.6	19.7	15.7	13.4	12.7	11.9
40°	21.0	21.5	23.3	23.7	23.5	24.1	20.3	16.7	13.8	13.5	12.6
37.5°	26.3	25.5	25.6	28.2	24.2	23.6	20.6	17.4	14.8	14.2	13.4
35°	33.3	31.4	30.6	33.4	29.6	23.9	20.6	17.8	16.2	14.9	14.1
32.5°	41.4	40.4	39.5	38.8	36.4	25.2	21.0	19.3	17.7	15.7	14.9
30°	53.6	55.4	49.9	45.0	43.6	31.4	23.5	21.1	19.3	16.4	15.6
27.5°	78.6	74.6	62.7	54.3	49.6	39.4	28.6	23.2	21.0	17.3	16.2
25°	111.0	99.8	81.5	65.3	56.2	60.5	34.8	25.7	22.7	18.7	16.8
22.5°	153.1	130.3	103.2	77.0	85.7	87.7	46.9	30.5	24.6	20.1	17.4
20°	202.0	165.1	135.6	124.0	121.8	114.1	67.1	35.9	26.6	21.5	18.0
17.5°	265.4	232.6	214.4	182.9	161.8	143.3	90.5	41.7	28.8	22.8	18.6
15°	443.6	339.3	300.0	247.4	204.1	174.9	116.5	47.7	30.9	24.2	19.1
12.5°	671.5	449.2	390.3	316.3	248.4	208.3	144.2	54.0	33.1	25.9	19.7
10°	925.9	561.3	483.9	388.0	293.8	242.8	172.7	61.1	36.9	27.9	20.4
7.5°	1195.4	674.1	579.1	461.0	340.4	279.9	208.1	70.2	41.0	29.8	21.0
5°	1449.0	771.8	657.3	523.9	390.0	318.7	244.1	79.0	45.1	31.8	21.7
2.5°	1608.8	844.0	721.8	581.7	438.5	356.1	278.1	87.4	49.1	33.6	22.3
0°	1741.5	912.2	781.7	635.2	485.2	391.8	308.8	95.2	52.9	35.3	22.9
-2.5°	1729.7	909.9	785.4	641.7	498.5	401.9	312.0	109.2	63.7	41.9	26.5
-5°	1684.2	903.6	784.5	644.2	508.9	409.4	311.1	122.1	73.9	48.2	29.9
-7.5°	1581.7	873.5	767.5	640.7	516.3	414.1	306.7	133.9	83.4	54.0	33.1
-10°	1437.7	827.5	728.8	616.7	508.3	412.6	299.9	144.3	92.0	59.2	35.9
-12.5°	1257.1	779.5	689.7	592.0	496.6	406.5	292.7	154.4	99.7	63.7	38.3
-15°	1039.5	730.2	651.4	567.8	484.0	399.1	284.1	163.3	107.4	68.1	40.2
-17.5°	788.2	680.0	615.0	544.9	471.1	390.8	274.8	170.3	113.9	72.6	42.2
-20°	713.2	641.9	581.8	524.1	458.1	381.8	265.5	175.4	118.9	75.9	44.1



REPORT NUMBER: P574505 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-1S-CV5

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	674.7	614.6	561.2	506.1	445.1	372.4	256.6	178.3	122.5	78.0	45.0
-25°	636.4	588.0	544.3	491.8	431.8	356.8	253.3	179.1	124.5	78.7	45.0
-27.5°	604.7	564.4	530.0	476.4	416.3	343.5	253.0	180.7	125.1	78.1	44.0
-30°	577.0	549.4	512.9	459.3	399.3	324.4	249.8	180.4	124.2	76.8	42.0
-32.5°	561.6	538.5	493.5	439.1	377.8	304.5	238.8	177.9	121.3	74.3	40.8
-35°	557.6	522.5	473.0	417.6	354.5	286.9	224.3	173.1	116.4	70.4	39.5
-37.5°	552.0	502.8	448.3	393.6	330.9	267.5	210.5	160.5	109.4	64.8	37.7
-40°	529.7	479.5	423.9	367.9	307.7	246.5	194.9	146.2	101.4	57.6	35.1
-42.5°	505.6	450.4	395.4	341.7	282.9	227.4	177.5	130.4	89.2	52.4	31.9
-45°	471.2	417.5	363.5	310.4	257.0	206.4	158.2	113.4	75.7	48.0	29.4
-47.5°	433.1	379.7	327.6	276.6	231.3	183.3	137.2	97.4	61.6	42.6	28.4
-50°	388.8	337.9	288.2	244.1	202.3	158.1	115.6	80.5	53.8	35.9	27.1
-52.5°	341.9	292.4	250.5	211.5	171.7	130.9	95.8	63.6	45.6	32.2	25.7
-55°	291.2	250.3	214.4	177.4	139.9	106.6	75.1	53.7	36.9	30.0	24.2
-57.5°	247.1	211.0	176.6	142.1	111.0	82.4	59.8	43.3	33.0	27.8	23.6
-60°	203.4	169.7	137.7	110.1	83.7	62.7	47.5	35.1	30.5	25.8	23.0
-62.5°	156.2	127.9	103.7	79.6	62.1	48.3	36.5	32.4	28.0	25.0	22.2
-65°	113.8	92.2	71.0	58.6	46.1	36.7	33.6	29.8	26.7	24.1	21.4
-67.5°	75.8	64.1	52.1	40.8	36.5	33.8	30.7	28.1	25.6	23.1	20.7
-70°	54.4	43.8	38.3	35.9	33.5	31.0	29.2	26.9	24.6	22.6	20.0
-72.5°	41.2	38.2	35.3	33.0	31.5	29.8	27.9	25.9	24.2	22.0	19.4
-75°	37.1	35.2	33.5	32.0	30.4	28.6	27.2	26.0	24.0	21.6	18.8
-77.5°	35.2	33.8	32.4	30.9	29.3	28.0	27.0	26.1	23.4	20.7	18.2
-80°	32.4	31.1	30.0	29.1	28.1	27.2	26.0	24.6	22.0	19.6	17.6
-82.5°	28.3	27.7	27.0	26.2	25.2	24.2	23.4	22.5	20.4	18.5	16.5
-85°	23.7	23.2	22.7	22.2	21.7	21.2	20.5	19.8	18.0	16.3	14.7
-87.5°	18.3	18.1	17.8	17.4	17.1	16.8	16.5	16.1	15.0	13.9	12.9
-90°	5.7	6.1	6.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0



REPORT NUMBER: P574505 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.6	10.2	9.7	9.3	8.8	8.8	8.8
87.5°	7.5	7.8	8.2	8.6	9.0	8.9	8.8
85°	7.9	8.2	8.5	8.8	9.1	9.0	8.8
82.5°	8.4	8.6	8.9	9.1	9.3	9.0	8.8
80°	8.8	9.0	9.2	9.3	9.4	9.1	8.8
77.5°	8.9	9.3	9.5	9.5	9.6	9.2	8.8
75°	8.9	9.3	9.8	9.8	9.7	9.3	8.8
72.5°	8.9	9.4	9.8	10.0	9.9	9.3	8.8
70°	9.0	9.4	9.8	10.2	10.0	9.4	8.8
67.5°	9.5	9.4	9.8	10.3	10.2	9.5	8.8
65°	10.0	9.6	9.9	10.3	10.3	9.6	8.8
62.5°	10.4	10.0	9.9	10.3	10.5	9.6	8.8
60°	10.9	10.4	9.9	10.3	10.6	9.7	8.8
57.5°	11.0	10.8	10.2	10.4	10.6	9.8	8.8
55°	11.1	11.2	10.5	10.4	10.6	9.8	8.8
52.5°	11.1	11.5	10.8	10.4	10.6	9.9	8.8
50°	11.2	11.6	11.1	10.5	10.6	10.0	8.8
47.5°	11.3	11.6	11.4	10.5	10.6	10.0	8.8
45°	11.5	11.7	11.7	10.8	10.6	10.1	8.8
42.5°	11.8	11.8	12.0	11.0	10.6	10.1	8.8
40°	12.1	11.8	12.1	11.1	10.6	10.2	8.8
37.5°	12.4	11.9	12.2	11.3	10.6	10.2	8.8
35°	12.7	12.1	12.3	11.4	10.6	10.3	8.8
32.5°	13.1	12.4	12.3	11.6	10.6	10.3	8.8
30°	13.7	12.6	12.4	11.7	10.6	10.4	8.8
27.5°	14.4	12.9	12.5	11.8	10.6	10.4	8.8
25°	15.0	13.2	12.6	11.9	10.6	10.4	8.8
22.5°	15.6	13.5	12.7	12.0	10.6	10.5	8.8
20°	16.2	13.8	12.8	12.1	10.6	10.5	8.8
17.5°	16.6	14.1	12.9	12.1	10.6	10.5	8.8
15°	16.9	14.4	13.1	12.2	10.6	10.5	8.8
12.5°	17.2	14.7	13.3	12.3	10.6	10.6	8.8
10°	17.4	15.0	13.4	12.3	10.6	10.6	8.8
7.5°	17.5	15.2	13.6	12.4	10.6	10.6	8.8
5°	17.5	15.5	13.8	12.4	10.6	10.6	8.8
2.5°	17.6	15.7	13.9	12.4	10.6	10.6	8.8
0°	17.6	15.9	14.1	12.4	10.6	10.6	8.8
-2.5°	19.0	16.3	14.3	12.5	10.7	10.6	8.8
-5°	20.4	16.6	14.4	12.6	10.8	10.7	8.8
-7.5°	21.6	17.0	14.5	12.7	10.8	10.7	8.8
-10°	22.7	17.2	14.6	12.8	10.9	10.7	8.8
-12.5°	23.7	17.5	14.7	12.8	11.0	10.7	8.8
-15°	24.5	17.7	14.8	12.9	11.1	10.8	8.8
-17.5°	25.0	17.8	14.9	12.9	11.1	10.8	8.8
-20°	25.5	17.9	14.9	13.0	11.2	10.8	8.8



REPORT NUMBER: P574505 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-1S-CV5

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	26.1	18.0	14.9	13.0	11.3	10.8	8.8
-25°	26.3	18.1	15.0	13.0	11.4	10.8	8.8
-27.5°	26.1	18.3	15.0	13.0	11.4	10.8	8.8
-30°	25.5	18.4	15.0	13.0	11.5	10.7	8.8
-32.5°	24.5	18.4	15.1	13.0	11.6	10.7	8.8
-35°	24.1	18.3	15.2	12.9	11.6	10.7	8.8
-37.5°	23.9	18.2	15.2	12.9	11.7	10.7	8.8
-40°	23.6	18.2	15.3	12.8	11.8	10.6	8.8
-42.5°	23.0	18.2	15.3	12.8	11.8	10.6	8.8
-45°	22.4	18.2	15.2	12.8	11.9	10.5	8.8
-47.5°	21.5	18.1	15.2	12.7	11.9	10.5	8.8
-50°	21.2	17.9	15.0	12.8	12.0	10.4	8.8
-52.5°	20.9	17.7	14.9	12.9	12.0	10.3	8.8
-55°	20.6	17.5	14.7	12.9	12.1	10.3	8.8
-57.5°	20.2	17.2	14.5	13.0	12.1	10.2	8.8
-60°	19.7	16.8	14.3	13.1	12.2	10.1	8.8
-62.5°	19.2	16.4	14.3	13.1	11.9	10.0	8.8
-65°	18.6	16.0	14.3	13.1	11.7	9.9	8.8
-67.5°	18.0	15.7	14.3	13.1	11.4	9.8	8.8
-70°	17.3	15.6	14.2	13.1	11.2	9.7	8.8
-72.5°	16.9	15.4	14.1	12.8	10.9	9.6	8.8
-75°	16.6	15.2	14.1	12.3	10.6	9.5	8.8
-77.5°	16.2	15.0	13.5	11.8	10.3	9.4	8.8
-80°	15.9	14.3	12.7	11.3	10.0	9.3	8.8
-82.5°	14.7	13.3	12.0	10.8	9.7	9.2	8.8
-85°	13.3	12.2	11.2	10.3	9.4	9.0	8.8
-87.5°	12.0	11.2	10.5	9.8	9.1	8.9	8.8
-90°	7.0	7.5	7.9	8.4	8.8	8.8	8.8

(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

