

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: P731412 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-70-3S-CV5**

Issue Date: 11/16/2023

**Test Information**

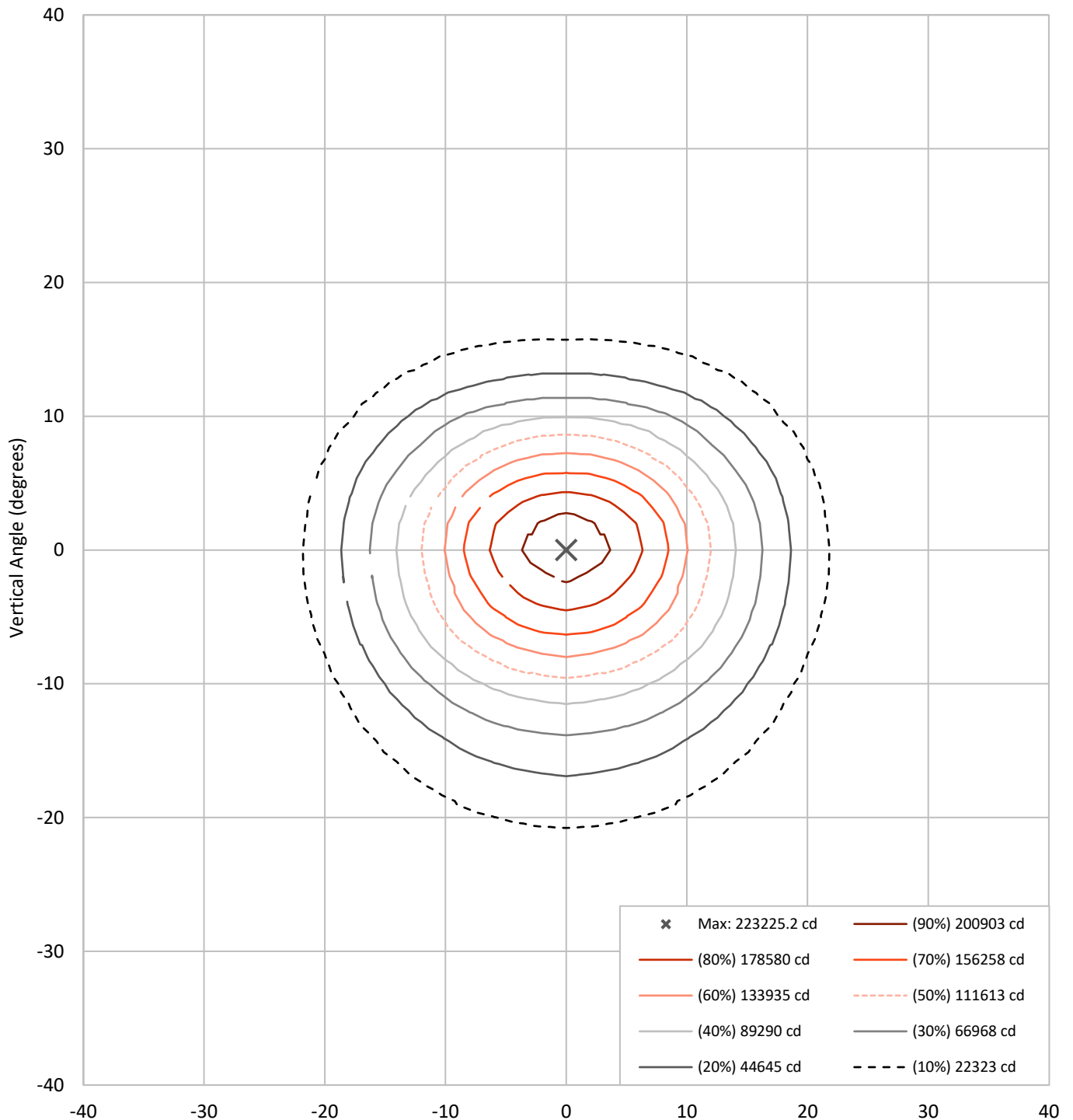
Test Method: LM-79-08  
Report Number: P731412 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0320N-57-70-3S-CV5  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	37317.7 lumens	Max Intensity:	223225.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	107.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	15963.6 lumens	Field Lumens:	31891.7 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%
Input Watts (W):	345.8		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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### Iso-Candela Plot





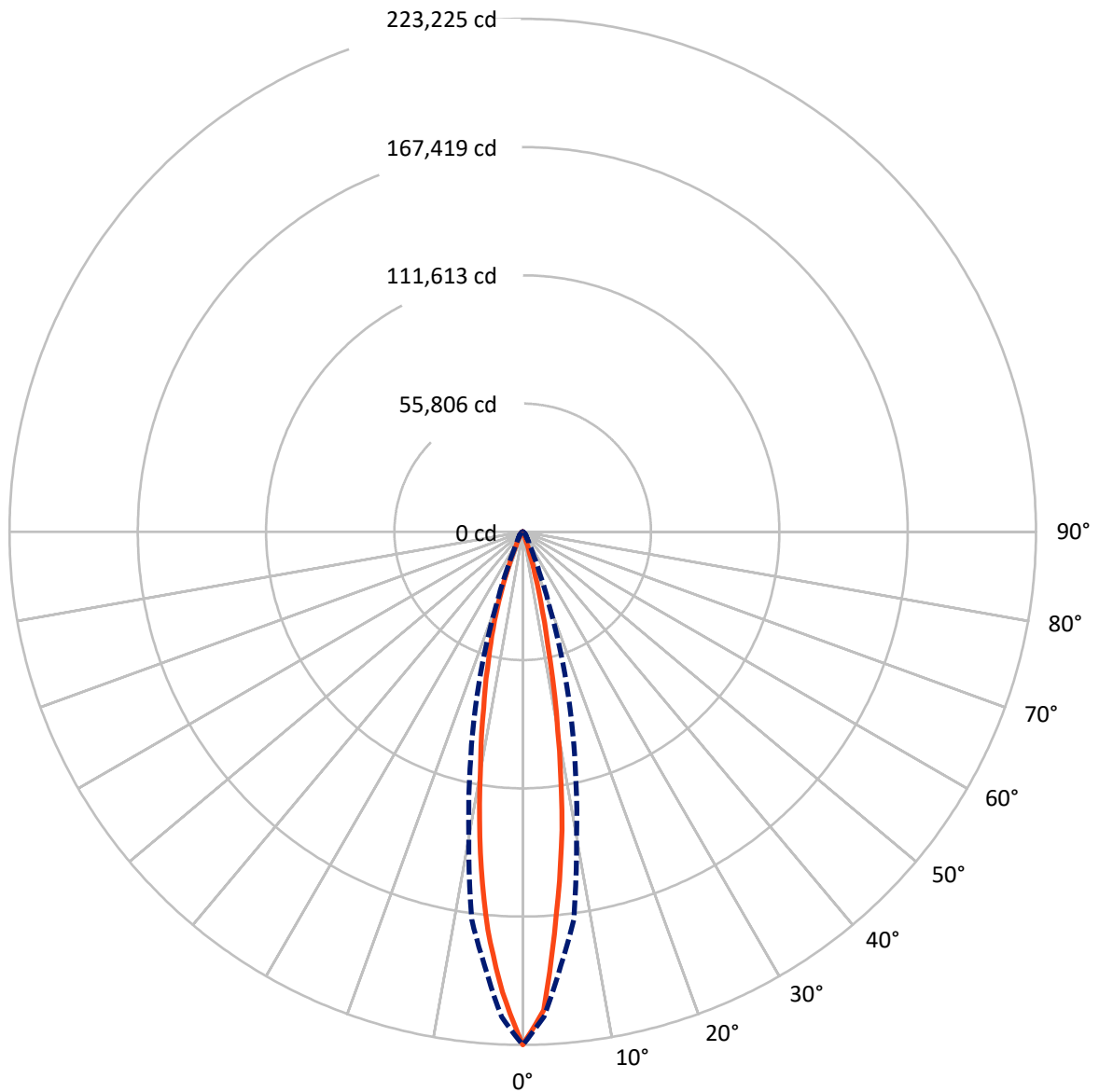
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### Lumen Table

90	0.1		0.3		0.4		0.5		0.6		0.5		0.4		0.3		0.1		
80	0.1		0.3		0.4		0.5		0.6		0.5		0.4		0.3		0.1		
70	0.1	0.1	0.1	0.4	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.4	0.1	0.1	0.1			
60		0.1	0.3	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.3	0.1				
50	0.1	0.1	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.1	0.1			
40		0.1	0.4	0.6	1.0	1.5	1.8	2.4	2.4	1.8	1.5	1.0	0.6	0.4	0.1				
30	0.2	0.3	1.1	2.6	4.9	7.5	17.0	34.1	34.1	17.0	7.5	4.9	2.6	1.1	0.3	0.2			
20		0.7	3.8	12.3	26.9	72.1	399.7	914.7	914.7	399.7	72.1	26.9	12.3	3.8	0.7				
10	0.2	1.4	8.0	29.0	67.7	297.6	1866.8	4357.6	4357.6	1866.8	297.6	67.7	29.0	8.0	1.4	0.2			
0		1.8	9.6	34.0	75.9	317.2	1991.1	4488.2	4488.2	1991.1	317.2	75.9	34.0	9.6	1.8				
-10	0.4	1.9	8.2	25.8	53.9	136.7	722.9	1627.0	1627.0	722.9	136.7	53.9	25.8	8.2	1.9	0.4			
-20		1.9	6.7	16.2	38.1	64.5	140.0	281.5	281.5	140.0	64.5	38.1	16.2	6.7	1.9				
-30	0.3	1.7	5.3	11.3	24.6	44.5	60.5	70.5	70.5	60.5	44.5	24.6	11.3	5.3	1.7	0.3			
-40		1.2	4.0	8.6	15.3	25.0	38.2	48.1	48.1	38.2	25.0	15.3	8.6	4.0	1.2				
-50	0.2	0.6	2.4	5.4	9.7	14.3	18.1	20.3	20.3	18.1	14.3	9.7	5.4	2.4	0.6	0.2			
-60		0.2	0.8	2.3	4.4	6.7	9.0	10.4	10.4	9.0	6.7	4.4	2.3	0.8	0.2				
-70	0.1	0.5		1.8		4.8		7.4		4.8		1.8		0.5		0.1			
-80		0.5		1.8		4.8		7.4		4.8		1.8		0.5					
-90	0.1		0.5		1.8		4.8		7.4		4.8		1.8		0.5		0.1		

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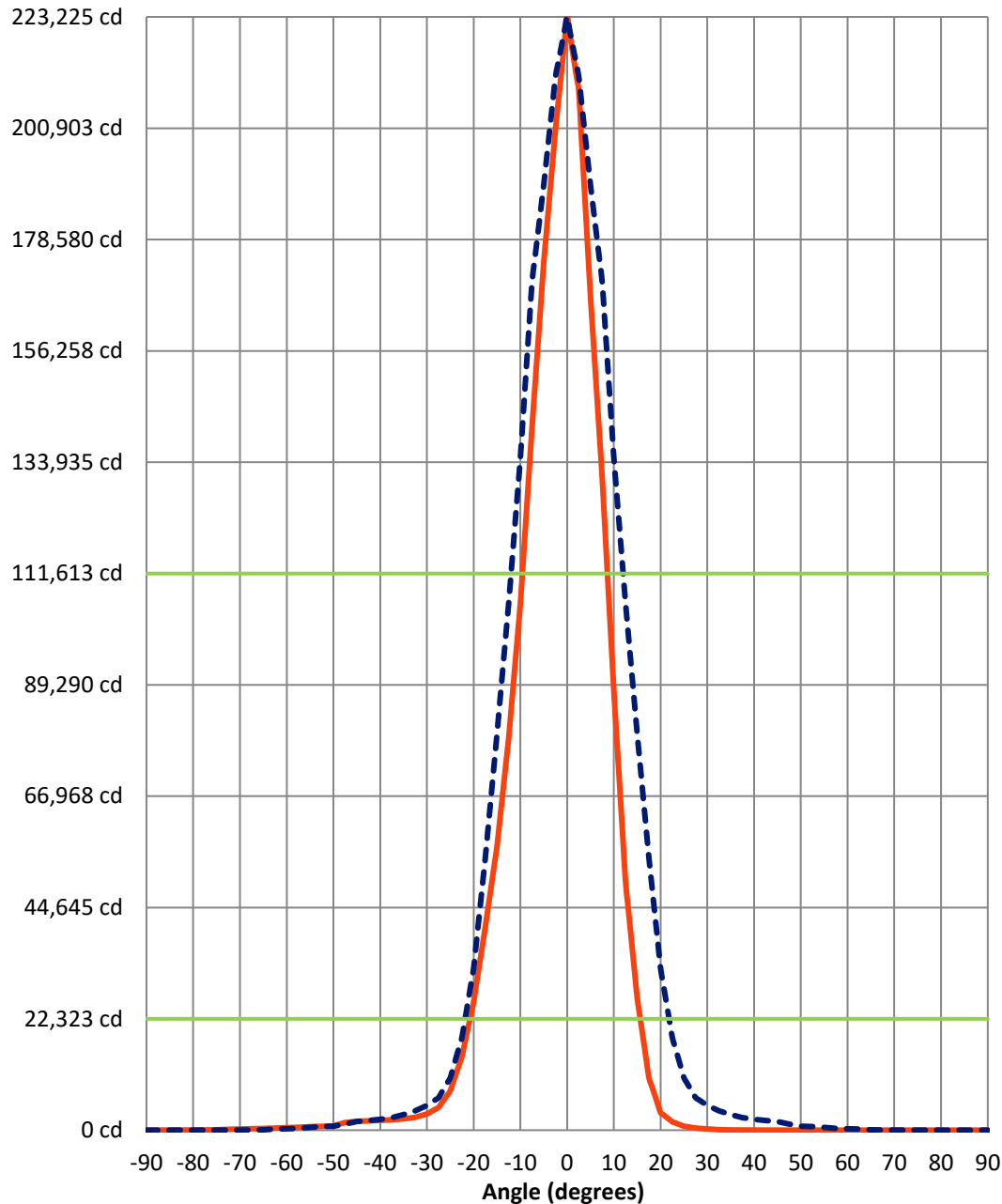
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 24°  
V Angle: 18.2°  
Lumens: 15963.6  
Efficiency: 42.8%

**Field:**  
H Angle: 43.7°  
V Angle: 36.4°  
Lumens: 31891.7  
Efficiency: 85.5%

**Spill:**  
Lumens: 5426  
Efficiency: 14.5%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
72.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
70°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.1
67.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.1	5.6
65°	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.7	5.1	5.6	5.8
62.5°	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.9	5.5	5.9	5.5
60°	4.7	4.7	4.7	4.7	4.7	4.9	4.9	5.3	5.8	5.7	5.2
57.5°	4.7	4.7	4.7	4.7	4.8	5.1	5.2	5.6	5.8	5.5	5.1
55°	4.7	4.7	4.7	4.7	4.9	5.2	5.4	5.9	5.8	5.5	5.2
52.5°	4.7	4.7	4.8	4.7	5.1	5.3	5.6	5.9	5.8	5.5	5.3
50°	4.7	4.7	4.8	4.7	5.2	5.5	5.8	6.0	5.8	5.6	6.4
47.5°	4.7	4.7	4.8	4.7	5.3	5.6	5.9	6.1	5.9	5.7	7.4
45°	4.7	4.7	4.8	4.8	5.5	5.7	6.0	6.2	6.0	6.3	8.1
42.5°	4.7	4.7	4.9	4.9	5.6	5.8	6.1	6.3	6.2	6.7	8.9
40°	4.7	4.7	4.9	5.1	5.7	5.8	6.3	6.5	6.4	6.9	9.6
37.5°	4.7	4.7	5.0	5.2	5.8	5.9	6.4	6.7	6.9	7.7	10.3
35°	4.7	4.7	5.0	5.3	5.8	6.0	6.6	6.9	7.5	8.9	10.7
32.5°	4.7	4.7	5.1	5.4	5.9	6.1	6.8	7.1	8.0	10.1	11.8
30°	4.7	4.7	5.1	5.5	5.9	6.2	6.9	7.4	8.6	11.4	13.1
27.5°	4.7	4.7	5.2	5.6	5.9	6.4	7.1	7.9	9.3	12.8	14.6
25°	4.7	4.7	5.3	5.7	5.9	6.5	7.4	8.3	10.4	14.1	16.4
22.5°	4.7	4.7	5.3	5.7	5.9	6.6	7.6	8.8	11.5	15.5	19.8
20°	4.7	4.7	5.4	5.8	5.9	6.7	7.8	9.3	12.6	17.0	23.5
17.5°	4.7	4.7	5.5	5.8	5.9	6.8	8.0	9.7	13.6	18.6	27.5
15°	4.7	4.7	5.5	5.9	5.9	6.9	8.0	10.2	14.6	20.2	31.7
12.5°	4.7	4.7	5.6	5.9	5.9	7.0	8.1	10.8	15.8	21.9	35.9
10°	4.7	4.7	5.7	5.9	5.9	7.0	8.2	11.5	17.0	24.7	41.2
7.5°	4.7	4.7	5.7	5.9	5.9	7.0	8.2	12.2	18.2	27.7	48.5
5°	4.7	4.7	5.8	5.9	5.9	7.1	8.3	12.9	19.3	30.7	55.9
2.5°	4.7	4.7	5.8	5.9	5.9	7.1	8.3	13.5	20.3	33.7	63.0
0°	4.7	4.7	5.9	5.9	5.9	7.1	8.3	14.1	21.2	36.5	69.6
-2.5°	4.7	4.7	5.9	5.9	6.0	7.3	9.4	16.8	26.9	44.9	79.7
-5°	4.7	4.7	5.9	5.9	6.1	7.6	10.4	19.4	32.4	52.9	89.0
-7.5°	4.7	4.7	5.9	5.9	6.2	7.8	11.4	21.8	37.4	60.3	97.6
-10°	4.7	4.7	5.9	5.9	6.3	8.0	12.3	23.9	42.0	67.2	105.2
-12.5°	4.7	4.7	5.8	5.9	6.4	8.1	13.0	25.7	45.9	73.2	112.1
-15°	4.7	4.7	5.8	5.9	6.4	8.3	13.6	27.0	49.5	78.8	118.1
-17.5°	4.7	4.7	5.8	5.9	6.5	8.4	14.0	28.5	52.9	83.5	123.0
-20°	4.7	4.7	5.8	5.9	6.5	8.4	14.4	30.0	55.5	87.5	126.5



REPORT NUMBER: P731412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.7	4.7	5.7	5.9	6.5	8.5	14.8	30.7	57.1	90.5	128.7
-25°	4.7	4.7	5.7	5.9	6.5	8.5	14.9	30.8	57.7	92.6	129.6
-27.5°	4.7	4.7	5.6	5.9	6.5	8.6	14.6	30.1	57.3	93.5	131.4
-30°	4.7	4.7	5.6	5.9	6.5	8.6	13.8	28.6	56.4	92.8	132.0
-32.5°	4.7	4.7	5.5	5.9	6.5	8.6	12.6	27.5	54.6	90.8	131.4
-35°	4.7	4.7	5.5	5.9	6.5	8.4	12.1	26.2	51.6	87.2	129.5
-37.5°	4.7	4.7	5.4	5.9	6.4	8.3	11.9	24.1	47.5	82.1	120.8
-40°	4.7	4.7	5.3	5.9	6.3	8.2	11.7	21.3	42.2	76.2	110.1
-42.5°	4.7	4.7	5.3	5.9	6.3	8.1	11.3	17.8	37.5	66.9	98.4
-45°	4.7	4.7	5.2	5.9	6.3	7.9	10.7	15.2	32.8	56.6	85.7
-47.5°	4.7	4.7	5.1	5.9	6.3	7.7	10.1	14.5	27.0	45.5	73.2
-50°	4.7	4.7	5.0	5.8	6.3	7.5	9.7	13.6	20.0	37.6	59.9
-52.5°	4.7	4.7	5.0	5.7	6.2	7.2	9.3	12.6	16.8	29.3	46.3
-55°	4.7	4.7	4.9	5.6	6.1	7.0	8.9	11.5	15.3	20.6	36.5
-57.5°	4.7	4.7	4.8	5.5	6.0	6.8	8.3	10.8	13.7	17.2	26.3
-60°	4.7	4.7	4.7	5.4	5.9	6.6	7.8	10.0	12.2	15.3	18.6
-62.5°	4.7	4.7	4.7	5.3	5.8	6.3	7.4	9.1	11.2	13.4	16.5
-65°	4.7	4.7	4.7	5.2	5.7	6.1	7.0	8.3	10.2	12.1	14.3
-67.5°	4.7	4.7	4.7	5.1	5.6	5.9	6.5	7.7	9.2	11.0	12.7
-70°	4.7	4.7	4.7	5.0	5.5	5.8	6.0	7.1	8.5	9.8	11.4
-72.5°	4.7	4.7	4.7	4.9	5.4	5.7	5.9	6.5	7.7	9.0	10.2
-75°	4.7	4.7	4.7	4.9	5.3	5.6	5.9	6.3	7.0	8.2	9.3
-77.5°	4.7	4.7	4.7	4.9	5.2	5.6	5.9	6.1	6.7	7.4	8.4
-80°	4.7	4.7	4.7	4.8	5.1	5.5	5.9	6.0	6.3	6.8	7.5
-82.5°	4.7	4.7	4.7	4.8	5.0	5.3	5.6	5.8	5.9	6.2	6.5
-85°	4.7	4.7	4.7	4.8	4.9	5.1	5.3	5.4	5.5	5.6	5.7
-87.5°	4.7	4.7	4.7	4.7	4.8	4.9	5.0	5.1	5.1	5.2	5.2
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7





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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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.0	5.3	5.6
87.5°	4.5	4.4	4.3	4.2	4.0	3.9	3.7	3.5	3.5	3.5	3.5
85°	4.7	4.7	4.7	4.7	4.4	4.1	3.8	3.5	3.5	3.5	3.5
82.5°	4.7	4.7	4.7	4.7	4.4	4.1	3.8	3.7	3.7	3.7	3.6
80°	4.7	4.7	4.7	4.7	4.6	4.5	4.4	4.5	4.4	4.2	3.9
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.5	4.2	3.9
75°	4.7	4.7	4.8	4.7	4.7	4.7	4.7	4.7	4.6	4.5	4.5
72.5°	4.9	5.0	5.0	4.8	4.7	4.7	4.7	4.7	5.5	6.7	7.6
70°	5.4	5.4	5.1	4.8	4.7	5.0	6.5	8.4	10.5	12.0	14.0
67.5°	5.7	5.2	4.8	4.8	5.7	7.3	9.5	14.6	20.2	22.4	23.0
65°	5.3	4.8	5.0	5.8	7.0	11.1	16.7	23.2	28.0	27.6	26.2
62.5°	4.8	4.9	5.5	7.4	11.2	16.4	21.4	26.0	30.5	29.3	25.2
60°	4.8	5.0	7.2	11.1	15.0	18.8	23.6	26.2	28.3	28.2	22.3
57.5°	4.9	6.4	10.2	14.0	17.2	20.1	21.6	23.4	24.1	24.2	18.1
55°	5.6	8.8	12.5	15.7	18.1	17.6	18.2	18.5	18.6	17.3	12.3
52.5°	7.5	10.8	13.8	16.6	17.2	15.5	13.5	13.6	12.8	10.7	8.9
50°	9.1	11.9	14.9	16.9	16.1	12.9	10.0	10.0	9.1	7.9	6.8
47.5°	10.1	13.1	16.0	17.0	14.3	11.7	9.3	8.1	7.2	7.0	6.2
45°	11.1	13.9	17.0	15.9	13.5	11.6	9.6	7.1	7.4	7.3	7.6
42.5°	12.0	14.6	16.3	15.2	13.8	12.4	10.5	9.1	8.5	9.4	9.7
40°	12.4	15.0	15.8	16.0	14.7	13.9	13.7	12.6	10.9	12.4	12.9
37.5°	12.6	14.9	16.4	18.3	16.6	17.1	17.8	18.0	17.0	16.6	18.7
35°	12.6	15.3	19.8	22.1	20.7	21.7	23.7	24.7	24.7	24.2	27.8
32.5°	12.9	16.2	24.4	26.4	28.0	29.2	30.6	32.8	34.8	37.0	42.9
30°	14.5	20.5	29.8	31.3	36.9	42.7	41.1	42.1	46.8	61.5	74.4
27.5°	18.1	26.4	34.4	39.2	48.3	60.4	64.1	56.7	70.1	93.0	114.9
25°	22.3	42.8	39.4	48.9	65.7	83.9	94.0	92.9	106.1	135.0	160.9
22.5°	31.4	64.3	62.2	59.4	85.9	112.7	130.0	160.3	202.7	202.6	212.0
20°	47.2	84.7	90.9	98.9	115.9	145.7	170.7	250.6	339.2	369.2	336.4
17.5°	65.6	107.2	123.7	150.3	188.2	207.5	221.8	358.6	508.3	567.6	586.2
15°	86.1	131.4	158.7	207.9	268.4	302.7	363.1	519.4	696.3	796.8	871.6
12.5°	108.0	157.0	195.3	270.2	354.4	399.6	533.6	759.9	936.0	1057.3	1247.4
10°	130.6	183.3	233.0	335.5	444.2	497.8	716.1	1007.5	1191.5	1331.9	1592.0
7.5°	155.4	209.6	270.5	402.2	536.1	596.4	904.7	1257.0	1440.6	1597.0	1890.9
5°	179.6	234.8	304.0	458.9	609.7	679.5	1074.7	1501.9	1682.5	1852.3	2160.8
2.5°	201.9	258.9	336.2	511.1	668.2	737.7	1156.6	1626.5	1823.5	2034.1	2364.7
0°	221.6	281.8	366.6	558.8	721.5	793.4	1221.3	1734.1	1938.1	2177.4	2513.4
-2.5°	225.8	290.8	377.4	558.1	714.4	792.0	1227.6	1738.8	1977.6	2230.5	2559.3
-5°	226.9	298.1	385.8	552.6	702.5	787.4	1214.9	1721.2	1984.1	2217.6	2513.7
-7.5°	225.3	303.2	391.5	541.6	679.4	761.3	1143.3	1614.6	1880.4	2083.8	2362.2
-10°	221.2	302.5	385.1	517.0	642.6	721.6	1045.3	1491.5	1772.3	1947.5	2190.1
-12.5°	214.2	296.9	375.0	490.6	605.3	681.0	931.0	1355.2	1662.9	1812.4	2008.7
-15°	206.3	290.1	363.0	463.3	568.9	640.3	801.4	1208.2	1558.6	1710.9	1856.7
-17.5°	198.0	282.6	349.3	436.0	534.4	599.8	661.5	1051.9	1426.7	1607.3	1748.2
-20°	189.9	274.3	334.1	409.4	502.0	568.5	619.0	893.5	1241.3	1492.6	1634.0



REPORT NUMBER: P731412 (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°	182.4	265.4	319.7	388.8	473.4	543.5	594.8	738.5	1045.7	1367.8	1520.7
-25°	179.6	252.7	308.1	370.8	446.1	518.3	571.1	607.0	860.9	1179.8	1412.8
-27.5°	179.7	242.0	296.8	351.4	418.8	491.4	544.2	581.2	720.4	995.0	1291.0
-30°	178.1	229.2	284.5	332.6	394.8	460.5	516.3	567.4	611.5	831.3	1092.6
-32.5°	171.3	215.7	269.6	317.8	370.8	430.7	493.4	548.2	596.0	667.4	904.2
-35°	162.3	204.5	253.4	302.0	346.4	404.2	465.8	525.7	576.4	620.8	728.8
-37.5°	154.0	191.9	236.7	284.5	328.2	377.7	436.1	496.1	550.7	603.4	652.2
-40°	144.5	177.7	220.7	265.8	309.2	352.5	405.3	462.0	519.5	580.3	639.0
-42.5°	133.6	166.0	203.7	246.2	287.4	329.8	373.1	426.4	484.2	548.5	609.8
-45°	119.3	153.1	185.9	224.1	263.2	304.4	346.1	389.0	444.9	504.2	568.4
-47.5°	103.8	138.1	170.0	200.6	237.4	275.8	316.4	358.5	402.6	456.7	514.3
-50°	87.6	119.5	151.8	179.5	210.3	245.8	283.1	325.0	367.0	409.4	458.4
-52.5°	71.7	99.6	129.9	158.7	185.2	214.9	249.5	287.5	327.6	368.3	406.2
-55°	55.0	80.3	106.5	134.6	161.5	186.6	214.5	248.6	284.5	322.3	357.0
-57.5°	41.5	60.6	83.8	108.3	134.4	159.9	184.2	208.9	239.9	273.3	303.0
-60°	29.8	43.7	61.5	83.1	105.3	129.4	153.9	177.0	199.6	221.5	248.1
-62.5°	19.5	30.4	42.9	58.1	77.8	98.1	119.8	142.0	164.1	183.0	200.6
-65°	17.1	19.6	28.1	39.5	50.7	69.0	87.4	105.1	124.5	141.9	158.8
-67.5°	14.6	16.9	19.2	23.1	33.3	44.7	56.6	72.8	88.1	100.7	113.2
-70°	12.9	14.3	16.2	18.2	20.3	25.0	35.0	45.4	55.6	65.3	76.0
-72.5°	11.4	12.7	13.9	15.1	16.9	19.1	21.3	23.7	29.4	37.2	44.5
-75°	10.2	11.0	12.1	13.1	14.3	15.6	17.1	19.0	20.8	22.4	23.9
-77.5°	9.0	9.7	10.4	11.2	12.1	13.1	14.2	15.3	16.5	17.7	19.0
-80°	7.9	8.3	8.7	9.3	10.0	10.8	11.6	12.3	13.0	13.8	14.7
-82.5°	6.8	7.1	7.4	7.6	8.1	8.6	9.2	9.8	10.0	10.2	10.6
-85°	5.8	5.9	6.1	6.3	6.5	6.7	7.0	7.3	7.4	7.5	7.5
-87.5°	5.3	5.3	5.3	5.4	5.4	5.5	5.5	5.5	5.7	5.8	5.8
-90°	4.4	4.1	3.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.9	6.2	6.5	6.8	7.1	9.7	12.4	15.0	17.7	22.1	26.5
87.5°	3.5	3.2	3.0	2.7	2.4	2.1	1.8	1.5	1.2	1.2	1.2
85°	3.5	3.2	3.0	2.7	2.4	2.4	2.3	2.3	2.3	2.1	1.8
82.5°	3.5	3.2	3.0	2.7	2.4	2.4	2.4	2.4	2.4	2.1	1.8
80°	3.5	3.4	3.2	3.1	3.1	3.0	2.8	2.6	2.4	2.4	2.4
77.5°	3.7	3.7	3.7	3.7	3.5	3.3	3.0	2.7	2.4	2.4	2.4
75°	4.6	4.7	4.8	4.6	4.2	3.9	3.8	3.5	3.3	3.1	2.9
72.5°	8.2	8.3	7.9	7.6	6.9	6.6	6.6	6.5	6.4	6.3	6.2
70°	15.1	15.4	14.8	13.3	11.3	9.9	9.3	8.4	7.5	7.1	7.0
67.5°	21.5	19.7	17.8	15.8	13.2	11.1	9.8	8.6	7.6	7.0	6.7
65°	23.5	19.2	16.1	13.6	11.6	10.0	8.7	7.4	6.1	5.3	5.0
62.5°	20.5	15.3	12.2	10.3	8.9	8.1	6.7	5.6	4.5	3.9	4.1
60°	16.6	11.3	8.4	7.3	6.5	5.9	5.2	4.5	3.9	3.5	3.6
57.5°	12.5	8.2	5.9	5.7	5.4	4.9	4.5	4.2	3.8	3.5	3.5
55°	8.6	6.8	5.9	5.6	5.3	4.9	4.6	4.2	3.9	3.5	3.5
52.5°	6.8	6.2	5.9	5.7	5.4	5.0	4.7	4.3	3.9	3.6	3.5
50°	6.2	6.0	6.0	5.8	5.5	5.1	4.7	4.5	4.4	4.3	4.4
47.5°	6.4	6.5	6.4	5.9	5.7	5.8	5.8	5.8	5.8	5.6	5.5
45°	7.3	7.3	7.2	7.1	6.8	7.5	7.9	8.0	9.2	8.8	7.4
42.5°	9.0	9.5	10.0	10.6	9.7	12.4	16.7	19.6	16.7	13.3	11.2
40°	13.6	14.0	17.0	18.5	21.9	25.8	23.5	19.7	17.5	18.7	19.4
37.5°	21.5	25.1	30.0	35.5	34.1	28.3	29.0	28.9	27.9	30.3	30.4
35°	35.1	43.9	48.1	49.4	46.9	45.1	46.7	48.3	44.7	50.4	52.2
32.5°	57.3	68.1	70.5	68.0	68.2	72.2	75.2	80.5	85.9	94.5	104.7
30°	84.4	96.1	101.6	96.5	97.6	107.0	113.0	125.3	144.8	167.1	195.0
27.5°	125.1	133.7	143.6	145.1	140.4	154.1	175.7	188.6	241.1	275.9	338.5
25°	178.7	192.1	200.9	215.6	223.6	240.2	281.5	321.2	401.9	480.5	613.9
22.5°	249.2	292.2	308.0	305.8	352.2	396.9	432.1	543.4	702.4	935.1	1197.2
20°	342.2	430.6	505.6	530.0	546.5	664.5	785.9	1131.2	1527.1	2187.7	2701.4
17.5°	616.9	645.9	810.8	945.1	1008.9	1258.7	1825.2	2694.4	4188.5	6232.8	7489.8
15°	1029.9	1112.8	1278.2	1562.2	1913.6	2575.8	3521.3	6292.6	10124.5	14312.0	18298.7
12.5°	1485.9	1659.0	1962.0	2380.2	2938.1	4827.6	7878.7	13092.8	20186.8	27441.9	36694.8
10°	1909.2	2257.3	2754.5	3460.4	4892.9	8120.9	13256.7	22119.7	34685.6	47788.2	60878.1
7.5°	2254.4	2752.5	3479.6	4536.9	7104.4	12287.0	20709.6	33768.1	49879.5	66736.7	84484.6
5°	2603.1	3233.6	4109.4	5388.6	8553.6	15505.6	26708.6	44586.1	65378.0	86618.5	108984.9
2.5°	2905.3	3642.9	4656.8	6151.4	9528.2	17247.6	30327.5	52341.3	76753.0	102170.8	130658.1
0°	3128.7	3879.7	4957.2	6512.1	10488.4	18603.8	32446.1	54633.6	79463.0	105704.1	134819.3
-2.5°	3097.6	3776.8	4753.4	6296.5	10154.8	18359.1	31122.8	52746.2	77047.1	101645.6	127612.5
-5°	2956.1	3546.7	4421.8	5803.1	9002.4	15928.8	27929.2	47857.5	70454.1	92933.1	116037.2
-7.5°	2740.4	3251.4	4018.4	5205.0	7673.7	13127.8	23100.7	38689.6	58116.6	77328.6	95151.3
-10°	2517.6	2933.8	3555.5	4493.1	6254.2	10065.1	17117.5	28771.4	44927.3	60749.0	74407.0
-12.5°	2308.2	2618.1	3060.2	3713.0	4798.5	7535.0	12859.9	21362.5	32154.2	44318.5	56145.0
-15°	2112.8	2342.0	2659.5	3186.0	4054.7	5677.8	8568.6	14234.9	21825.6	30316.7	38491.9
-17.5°	1933.7	2122.6	2370.4	2741.1	3279.4	4283.1	6308.2	9547.8	14130.7	20170.4	25816.1
-20°	1773.2	1944.3	2129.7	2407.4	2820.7	3411.5	4408.5	6419.6	9064.3	12871.0	16604.6



REPORT NUMBER: P731412 (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°	1647.5	1781.9	1926.0	2138.4	2483.0	2901.9	3397.6	4221.5	5677.1	7629.7	9841.1
-25°	1532.7	1632.2	1781.7	2010.3	2246.3	2525.8	2826.3	3156.8	3802.6	4430.6	5588.4
-27.5°	1423.5	1528.5	1684.2	1890.5	2105.8	2236.3	2428.6	2632.7	2941.6	3214.3	3675.5
-30°	1332.4	1442.7	1574.9	1749.0	1930.3	2053.2	2153.2	2300.9	2472.2	2643.2	2841.6
-32.5°	1161.2	1371.6	1463.2	1596.0	1759.3	1888.6	1977.1	2086.8	2178.3	2284.6	2392.4
-35°	974.0	1206.0	1395.5	1481.4	1594.3	1738.1	1863.9	1952.0	2023.0	2088.5	2150.3
-37.5°	762.1	1003.4	1210.3	1384.5	1487.8	1584.2	1717.6	1836.2	1921.5	1966.6	2006.8
-40°	681.5	751.1	969.8	1169.6	1325.1	1475.9	1579.9	1696.1	1794.7	1857.0	1903.7
-42.5°	667.7	703.5	731.7	883.2	1071.8	1233.5	1371.1	1506.7	1627.2	1716.5	1788.7
-45°	630.4	673.0	712.7	740.7	769.8	912.7	1066.4	1216.1	1352.0	1473.7	1580.0
-47.5°	570.2	621.1	663.5	704.1	735.7	760.6	789.4	837.1	964.4	1089.4	1208.2
-50°	504.8	550.8	596.8	640.5	674.8	704.9	732.7	756.4	780.2	805.2	829.0
-52.5°	440.1	481.2	522.2	560.5	597.0	631.4	663.4	686.9	707.1	724.8	738.1
-55°	389.2	419.8	449.6	482.1	514.6	544.9	572.7	598.2	621.3	642.0	657.9
-57.5°	333.0	363.0	391.5	415.9	439.5	462.4	486.0	508.5	528.5	545.8	559.8
-60°	274.3	299.9	325.3	349.3	372.1	393.6	412.9	430.7	446.8	460.5	470.9
-62.5°	217.6	237.9	260.7	281.6	299.9	317.4	337.3	355.3	371.2	384.4	394.2
-65°	174.7	189.3	205.7	221.9	237.7	254.8	272.1	287.5	301.1	312.2	320.9
-67.5°	127.4	141.6	157.6	172.1	185.5	199.9	216.5	231.7	245.7	256.9	266.0
-70°	85.9	96.0	108.6	122.1	135.2	149.0	164.1	178.7	192.7	203.3	212.0
-72.5°	51.5	58.2	64.9	73.7	83.0	94.3	107.0	119.8	132.5	141.7	148.8
-75°	25.2	27.9	33.4	38.6	43.3	49.3	55.7	61.8	67.4	71.6	75.0
-77.5°	20.4	21.7	23.0	24.2	25.4	28.0	31.2	34.5	37.9	40.5	43.1
-80°	15.6	16.5	17.3	18.2	19.2	21.2	23.5	25.7	27.9	29.6	31.1
-82.5°	10.9	11.4	11.8	12.1	12.5	13.9	15.5	16.9	18.3	19.7	21.0
-85°	7.4	7.5	7.7	7.8	7.8	9.3	10.8	12.3	13.8	15.1	16.4
-87.5°	5.9	5.9	6.0	6.0	6.0	7.3	8.5	9.7	10.8	12.0	13.2
-90°	3.5	3.2	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	31.0	35.4	32.4	29.5	32.4	35.4	31.0	26.5	22.1	17.7	15.0
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5
85°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.3	2.3
82.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.4
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.6
77.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7
75°	2.7	2.4	2.9	3.5	2.9	2.4	2.7	2.9	3.1	3.3	3.5
72.5°	6.0	5.8	5.9	5.9	5.9	5.8	6.0	6.2	6.3	6.4	6.5
70°	7.0	7.1	7.1	7.1	7.1	7.1	7.0	7.0	7.1	7.5	8.4
67.5°	6.3	6.0	5.9	5.9	5.9	6.0	6.3	6.7	7.0	7.6	8.6
65°	4.8	4.8	4.7	4.7	4.7	4.8	4.8	5.0	5.3	6.1	7.4
62.5°	4.3	4.6	4.7	4.7	4.7	4.6	4.3	4.1	3.9	4.5	5.6
60°	3.6	3.6	3.5	3.5	3.5	3.6	3.6	3.6	3.5	3.9	4.5
57.5°	3.5	3.5	4.0	4.7	4.0	3.5	3.5	3.5	3.5	3.8	4.2
55°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.9	4.2
52.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.9	4.3
50°	4.5	4.6	4.7	4.7	4.7	4.6	4.5	4.4	4.3	4.4	4.5
47.5°	5.7	5.8	5.5	4.7	5.5	5.8	5.7	5.5	5.6	5.8	5.8
45°	7.4	7.2	7.1	7.1	7.1	7.2	7.4	7.4	8.8	9.2	8.0
42.5°	11.5	11.6	11.7	11.8	11.7	11.6	11.5	11.2	13.3	16.7	19.6
40°	20.4	20.9	21.0	21.2	21.0	20.9	20.4	19.4	18.7	17.5	19.7
37.5°	30.8	31.4	31.5	31.8	31.5	31.4	30.8	30.4	30.3	27.9	28.9
35°	52.1	51.9	50.1	50.7	50.1	51.9	52.1	52.2	50.4	44.7	48.3
32.5°	111.7	112.6	106.8	97.8	106.8	112.6	111.7	104.7	94.5	85.9	80.5
30°	216.0	234.4	246.9	247.6	246.9	234.4	216.0	195.0	167.1	144.8	125.3
27.5°	380.4	409.2	421.4	427.9	421.4	409.2	380.4	338.5	275.9	241.1	188.6
25°	718.8	784.7	820.3	793.4	820.3	784.7	718.8	613.9	480.5	401.9	321.2
22.5°	1446.3	1572.4	1679.8	1685.8	1679.8	1572.4	1446.3	1197.2	935.1	702.4	543.4
20°	3415.6	3386.9	3658.6	3522.5	3658.6	3386.9	3415.6	2701.4	2187.7	1527.1	1131.2
17.5°	9688.0	10759.6	11351.8	10541.5	11351.8	10759.6	9688.0	7489.8	6232.8	4188.5	2694.4
15°	22272.3	24945.6	26754.4	26523.4	26754.4	24945.6	22272.3	18298.7	14312.0	10124.5	6292.6
12.5°	41877.6	46270.6	50015.1	49858.1	50015.1	46270.6	41877.6	36694.8	27441.9	20186.8	13092.8
10°	72540.2	80199.2	87336.9	88080.6	87336.9	80199.2	72540.2	60878.1	47788.2	34685.6	22119.7
7.5°	100790.1	118037.2	128317.9	130955.6	128317.9	118037.2	100790.1	84484.6	66736.7	49879.5	33768.1
5°	136163.9	156136.6	166941.7	167230.0	166941.7	156136.6	136163.9	108984.9	86618.5	65378.0	44586.1
2.5°	162350.2	184848.2	198115.3	208380.3	198115.3	184848.2	162350.2	130658.1	102170.8	76753.0	52341.3
0°	170138.3	189540.1	211189.0	223225.2	211189.0	189540.1	170138.3	134819.3	105704.1	79463.0	54633.6
-2.5°	159702.7	180016.2	190762.9	200553.1	190762.9	180016.2	159702.7	127612.5	101645.6	77047.1	52746.2
-5°	139877.8	161393.1	171718.4	173922.5	171718.4	161393.1	139877.8	116037.2	92933.1	70454.1	47857.5
-7.5°	111301.0	126444.2	136897.5	140997.1	136897.5	126444.2	111301.0	95151.3	77328.6	58116.6	38689.6
-10°	87108.3	96886.7	102117.8	105596.2	102117.8	96886.7	87108.3	74407.0	60749.0	44927.3	28771.4
-12.5°	65677.1	72745.9	76848.4	78634.3	76848.4	72745.9	65677.1	56145.0	44318.5	32154.2	21362.5
-15°	46748.6	52342.0	55120.0	56888.8	55120.0	52342.0	46748.6	38491.9	30316.7	21825.6	14234.9
-17.5°	32029.0	36526.4	39089.9	40757.1	39089.9	36526.4	32029.0	25816.1	20170.4	14130.7	9547.8
-20°	20492.9	23170.9	25143.4	25718.3	25143.4	23170.9	20492.9	16604.6	12871.0	9064.3	6419.6



REPORT NUMBER: P731412 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11973.4	13550.1	14543.5	14768.9	14543.5	13550.1	11973.4	9841.1	7629.7	5677.1	4221.5
-25°	6510.2	7197.2	7718.3	7894.9	7718.3	7197.2	6510.2	5588.4	4430.6	3802.6	3156.8
-27.5°	3997.9	4263.5	4456.0	4555.2	4456.0	4263.5	3997.9	3675.5	3214.3	2941.6	2632.7
-30°	3007.0	3128.2	3200.5	3249.0	3200.5	3128.2	3007.0	2841.6	2643.2	2472.2	2300.9
-32.5°	2468.9	2523.1	2555.8	2578.2	2555.8	2523.1	2468.9	2392.4	2284.6	2178.3	2086.8
-35°	2199.1	2234.3	2258.5	2270.5	2258.5	2234.3	2199.1	2150.3	2088.5	2023.0	1952.0
-37.5°	2036.6	2058.9	2075.0	2084.2	2075.0	2058.9	2036.6	2006.8	1966.6	1921.5	1836.2
-40°	1925.9	1941.4	1954.3	1968.7	1954.3	1941.4	1925.9	1903.7	1857.0	1794.7	1696.1
-42.5°	1824.9	1847.9	1859.5	1862.6	1859.5	1847.9	1824.9	1788.7	1716.5	1627.2	1506.7
-45°	1661.5	1725.6	1765.1	1777.7	1765.1	1725.6	1661.5	1580.0	1473.7	1352.0	1216.1
-47.5°	1317.3	1413.4	1485.9	1530.2	1485.9	1413.4	1317.3	1208.2	1089.4	964.4	837.1
-50°	851.1	871.5	879.5	874.7	879.5	871.5	851.1	829.0	805.2	780.2	756.4
-52.5°	748.7	756.8	763.6	768.6	763.6	756.8	748.7	738.1	724.8	707.1	686.9
-55°	670.3	679.5	688.2	695.5	688.2	679.5	670.3	657.9	642.0	621.3	598.2
-57.5°	571.5	580.9	584.3	583.5	584.3	580.9	571.5	559.8	545.8	528.5	508.5
-60°	479.4	486.0	490.9	493.9	490.9	486.0	479.4	470.9	460.5	446.8	430.7
-62.5°	402.0	407.7	414.2	419.7	414.2	407.7	402.0	394.2	384.4	371.2	355.3
-65°	328.3	334.4	339.3	343.1	339.3	334.4	328.3	320.9	312.2	301.1	287.5
-67.5°	274.2	281.4	286.9	291.2	286.9	281.4	274.2	266.0	256.9	245.7	231.7
-70°	220.0	227.2	231.6	234.6	231.6	227.2	220.0	212.0	203.3	192.7	178.7
-72.5°	155.0	160.2	162.7	163.9	162.7	160.2	155.0	148.8	141.7	132.5	119.8
-75°	77.9	80.4	82.8	84.9	82.8	80.4	77.9	75.0	71.6	67.4	61.8
-77.5°	45.5	47.9	49.4	50.7	49.4	47.9	45.5	43.1	40.5	37.9	34.5
-80°	32.6	34.0	35.3	36.5	35.3	34.0	32.6	31.1	29.6	27.9	25.7
-82.5°	22.3	23.5	24.2	24.8	24.2	23.5	22.3	21.0	19.7	18.3	16.9
-85°	17.6	18.9	19.4	20.0	19.4	18.9	17.6	16.4	15.1	13.8	12.3
-87.5°	14.3	15.4	15.9	16.5	15.9	15.4	14.3	13.2	12.0	10.8	9.7
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	1.2	1.5



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	12.4	9.7	7.1	6.8	6.5	6.2	5.9	5.6	5.3	5.0	4.7
87.5°	1.8	2.1	2.4	2.7	3.0	3.2	3.5	3.5	3.5	3.5	3.5
85°	2.3	2.4	2.4	2.7	3.0	3.2	3.5	3.5	3.5	3.5	3.5
82.5°	2.4	2.4	2.4	2.7	3.0	3.2	3.5	3.6	3.7	3.7	3.7
80°	2.8	3.0	3.1	3.1	3.2	3.4	3.5	3.9	4.2	4.4	4.5
77.5°	3.0	3.3	3.5	3.7	3.7	3.7	3.7	3.9	4.2	4.5	4.7
75°	3.8	3.9	4.2	4.6	4.8	4.7	4.6	4.5	4.5	4.6	4.7
72.5°	6.6	6.6	6.9	7.6	7.9	8.3	8.2	7.6	6.7	5.5	4.7
70°	9.3	9.9	11.3	13.3	14.8	15.4	15.1	14.0	12.0	10.5	8.4
67.5°	9.8	11.1	13.2	15.8	17.8	19.7	21.5	23.0	22.4	20.2	14.6
65°	8.7	10.0	11.6	13.6	16.1	19.2	23.5	26.2	27.6	28.0	23.2
62.5°	6.7	8.1	8.9	10.3	12.2	15.3	20.5	25.2	29.3	30.5	26.0
60°	5.2	5.9	6.5	7.3	8.4	11.3	16.6	22.3	28.2	28.3	26.2
57.5°	4.5	4.9	5.4	5.7	5.9	8.2	12.5	18.1	24.2	24.1	23.4
55°	4.6	4.9	5.3	5.6	5.9	6.8	8.6	12.3	17.3	18.6	18.5
52.5°	4.7	5.0	5.4	5.7	5.9	6.2	6.8	8.9	10.7	12.8	13.6
50°	4.7	5.1	5.5	5.8	6.0	6.0	6.2	6.8	7.9	9.1	10.0
47.5°	5.8	5.8	5.7	5.9	6.4	6.5	6.4	6.2	7.0	7.2	8.1
45°	7.9	7.5	6.8	7.1	7.2	7.3	7.3	7.6	7.3	7.4	7.1
42.5°	16.7	12.4	9.7	10.6	10.0	9.5	9.0	9.7	9.4	8.5	9.1
40°	23.5	25.8	21.9	18.5	17.0	14.0	13.6	12.9	12.4	10.9	12.6
37.5°	29.0	28.3	34.1	35.5	30.0	25.1	21.5	18.7	16.6	17.0	18.0
35°	46.7	45.1	46.9	49.4	48.1	43.9	35.1	27.8	24.2	24.7	24.7
32.5°	75.2	72.2	68.2	68.0	70.5	68.1	57.3	42.9	37.0	34.8	32.8
30°	113.0	107.0	97.6	96.5	101.6	96.1	84.4	74.4	61.5	46.8	42.1
27.5°	175.7	154.1	140.4	145.1	143.6	133.7	125.1	114.9	93.0	70.1	56.7
25°	281.5	240.2	223.6	215.6	200.9	192.1	178.7	160.9	135.0	106.1	92.9
22.5°	432.1	396.9	352.2	305.8	308.0	292.2	249.2	212.0	202.6	202.7	160.3
20°	785.9	664.5	546.5	530.0	505.6	430.6	342.2	336.4	369.2	339.2	250.6
17.5°	1825.2	1258.7	1008.9	945.1	810.8	645.9	616.9	586.2	567.6	508.3	358.6
15°	3521.3	2575.8	1913.6	1562.2	1278.2	1112.8	1029.9	871.6	796.8	696.3	519.4
12.5°	7878.7	4827.6	2938.1	2380.2	1962.0	1659.0	1485.9	1247.4	1057.3	936.0	759.9
10°	13256.7	8120.9	4892.9	3460.4	2754.5	2257.3	1909.2	1592.0	1331.9	1191.5	1007.5
7.5°	20709.6	12287.0	7104.4	4536.9	3479.6	2752.5	2254.4	1890.9	1597.0	1440.6	1257.0
5°	26708.6	15505.6	8553.6	5388.6	4109.4	3233.6	2603.1	2160.8	1852.3	1682.5	1501.9
2.5°	30327.5	17247.6	9528.2	6151.4	4656.8	3642.9	2905.3	2364.7	2034.1	1823.5	1626.5
0°	32446.1	18603.8	10488.4	6512.1	4957.2	3879.7	3128.7	2513.4	2177.4	1938.1	1734.1
-2.5°	31122.8	18359.1	10154.8	6296.5	4753.4	3776.8	3097.6	2559.3	2230.5	1977.6	1738.8
-5°	27929.2	15928.8	9002.4	5803.1	4421.8	3546.7	2956.1	2513.7	2217.6	1984.1	1721.2
-7.5°	23100.7	13127.8	7673.7	5205.0	4018.4	3251.4	2740.4	2362.2	2083.8	1880.4	1614.6
-10°	17117.5	10065.1	6254.2	4493.1	3555.5	2933.8	2517.6	2190.1	1947.5	1772.3	1491.5
-12.5°	12859.9	7535.0	4798.5	3713.0	3060.2	2618.1	2308.2	2008.7	1812.4	1662.9	1355.2
-15°	8568.6	5677.8	4054.7	3186.0	2659.5	2342.0	2112.8	1856.7	1710.9	1558.6	1208.2
-17.5°	6308.2	4283.1	3279.4	2741.1	2370.4	2122.6	1933.7	1748.2	1607.3	1426.7	1051.9
-20°	4408.5	3411.5	2820.7	2407.4	2129.7	1944.3	1773.2	1634.0	1492.6	1241.3	893.5



REPORT NUMBER: P731412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3397.6	2901.9	2483.0	2138.4	1926.0	1781.9	1647.5	1520.7	1367.8	1045.7	738.5
-25°	2826.3	2525.8	2246.3	2010.3	1781.7	1632.2	1532.7	1412.8	1179.8	860.9	607.0
-27.5°	2428.6	2236.3	2105.8	1890.5	1684.2	1528.5	1423.5	1291.0	995.0	720.4	581.2
-30°	2153.2	2053.2	1930.3	1749.0	1574.9	1442.7	1332.4	1092.6	831.3	611.5	567.4
-32.5°	1977.1	1888.6	1759.3	1596.0	1463.2	1371.6	1161.2	904.2	667.4	596.0	548.2
-35°	1863.9	1738.1	1594.3	1481.4	1395.5	1206.0	974.0	728.8	620.8	576.4	525.7
-37.5°	1717.6	1584.2	1487.8	1384.5	1210.3	1003.4	762.1	652.2	603.4	550.7	496.1
-40°	1579.9	1475.9	1325.1	1169.6	969.8	751.1	681.5	639.0	580.3	519.5	462.0
-42.5°	1371.1	1233.5	1071.8	883.2	731.7	703.5	667.7	609.8	548.5	484.2	426.4
-45°	1066.4	912.7	769.8	740.7	712.7	673.0	630.4	568.4	504.2	444.9	389.0
-47.5°	789.4	760.6	735.7	704.1	663.5	621.1	570.2	514.3	456.7	402.6	358.5
-50°	732.7	704.9	674.8	640.5	596.8	550.8	504.8	458.4	409.4	367.0	325.0
-52.5°	663.4	631.4	597.0	560.5	522.2	481.2	440.1	406.2	368.3	327.6	287.5
-55°	572.7	544.9	514.6	482.1	449.6	419.8	389.2	357.0	322.3	284.5	248.6
-57.5°	486.0	462.4	439.5	415.9	391.5	363.0	333.0	303.0	273.3	239.9	208.9
-60°	412.9	393.6	372.1	349.3	325.3	299.9	274.3	248.1	221.5	199.6	177.0
-62.5°	337.3	317.4	299.9	281.6	260.7	237.9	217.6	200.6	183.0	164.1	142.0
-65°	272.1	254.8	237.7	221.9	205.7	189.3	174.7	158.8	141.9	124.5	105.1
-67.5°	216.5	199.9	185.5	172.1	157.6	141.6	127.4	113.2	100.7	88.1	72.8
-70°	164.1	149.0	135.2	122.1	108.6	96.0	85.9	76.0	65.3	55.6	45.4
-72.5°	107.0	94.3	83.0	73.7	64.9	58.2	51.5	44.5	37.2	29.4	23.7
-75°	55.7	49.3	43.3	38.6	33.4	27.9	25.2	23.9	22.4	20.8	19.0
-77.5°	31.2	28.0	25.4	24.2	23.0	21.7	20.4	19.0	17.7	16.5	15.3
-80°	23.5	21.2	19.2	18.2	17.3	16.5	15.6	14.7	13.8	13.0	12.3
-82.5°	15.5	13.9	12.5	12.1	11.8	11.4	10.9	10.6	10.2	10.0	9.8
-85°	10.8	9.3	7.8	7.8	7.7	7.5	7.4	7.5	7.5	7.4	7.3
-87.5°	8.5	7.3	6.0	6.0	6.0	5.9	5.9	5.8	5.8	5.7	5.5
-90°	1.8	2.1	2.4	2.7	3.0	3.2	3.5	3.5	3.5	3.5	3.5





REPORT NUMBER: P731412 (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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	3.7	3.9	4.0	4.2	4.3	4.4	4.5	4.7	4.7	4.7	4.7
85°	3.8	4.1	4.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	3.8	4.1	4.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	4.4	4.5	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	4.7	4.7	4.7	4.7	4.8	4.7	4.7	4.7	4.7	4.7	4.7
72.5°	4.7	4.7	4.7	4.8	5.0	5.0	4.9	4.7	4.7	4.7	4.7
70°	6.5	5.0	4.7	4.8	5.1	5.4	5.4	5.1	4.7	4.7	4.7
67.5°	9.5	7.3	5.7	4.8	4.8	5.2	5.7	5.6	5.1	4.7	4.7
65°	16.7	11.1	7.0	5.8	5.0	4.8	5.3	5.8	5.6	5.1	4.7
62.5°	21.4	16.4	11.2	7.4	5.5	4.9	4.8	5.5	5.9	5.5	4.9
60°	23.6	18.8	15.0	11.1	7.2	5.0	4.8	5.2	5.7	5.8	5.3
57.5°	21.6	20.1	17.2	14.0	10.2	6.4	4.9	5.1	5.5	5.8	5.6
55°	18.2	17.6	18.1	15.7	12.5	8.8	5.6	5.2	5.5	5.8	5.9
52.5°	13.5	15.5	17.2	16.6	13.8	10.8	7.5	5.3	5.5	5.8	5.9
50°	10.0	12.9	16.1	16.9	14.9	11.9	9.1	6.4	5.6	5.8	6.0
47.5°	9.3	11.7	14.3	17.0	16.0	13.1	10.1	7.4	5.7	5.9	6.1
45°	9.6	11.6	13.5	15.9	17.0	13.9	11.1	8.1	6.3	6.0	6.2
42.5°	10.5	12.4	13.8	15.2	16.3	14.6	12.0	8.9	6.7	6.2	6.3
40°	13.7	13.9	14.7	16.0	15.8	15.0	12.4	9.6	6.9	6.4	6.5
37.5°	17.8	17.1	16.6	18.3	16.4	14.9	12.6	10.3	7.7	6.9	6.7
35°	23.7	21.7	20.7	22.1	19.8	15.3	12.6	10.7	8.9	7.5	6.9
32.5°	30.6	29.2	28.0	26.4	24.4	16.2	12.9	11.8	10.1	8.0	7.1
30°	41.1	42.7	36.9	31.3	29.8	20.5	14.5	13.1	11.4	8.6	7.4
27.5°	64.1	60.4	48.3	39.2	34.4	26.4	18.1	14.6	12.8	9.3	7.9
25°	94.0	83.9	65.7	48.9	39.4	42.8	22.3	16.4	14.1	10.4	8.3
22.5°	130.0	112.7	85.9	59.4	62.2	64.3	31.4	19.8	15.5	11.5	8.8
20°	170.7	145.7	115.9	98.9	90.9	84.7	47.2	23.5	17.0	12.6	9.3
17.5°	221.8	207.5	188.2	150.3	123.7	107.2	65.6	27.5	18.6	13.6	9.7
15°	363.1	302.7	268.4	207.9	158.7	131.4	86.1	31.7	20.2	14.6	10.2
12.5°	533.6	399.6	354.4	270.2	195.3	157.0	108.0	35.9	21.9	15.8	10.8
10°	716.1	497.8	444.2	335.5	233.0	183.3	130.6	41.2	24.7	17.0	11.5
7.5°	904.7	596.4	536.1	402.2	270.5	209.6	155.4	48.5	27.7	18.2	12.2
5°	1074.7	679.5	609.7	458.9	304.0	234.8	179.6	55.9	30.7	19.3	12.9
2.5°	1156.6	737.7	668.2	511.1	336.2	258.9	201.9	63.0	33.7	20.3	13.5
0°	1221.3	793.4	721.5	558.8	366.6	281.8	221.6	69.6	36.5	21.2	14.1
-2.5°	1227.6	792.0	714.4	558.1	377.4	290.8	225.8	79.7	44.9	26.9	16.8
-5°	1214.9	787.4	702.5	552.6	385.8	298.1	226.9	89.0	52.9	32.4	19.4
-7.5°	1143.3	761.3	679.4	541.6	391.5	303.2	225.3	97.6	60.3	37.4	21.8
-10°	1045.3	721.6	642.6	517.0	385.1	302.5	221.2	105.2	67.2	42.0	23.9
-12.5°	931.0	681.0	605.3	490.6	375.0	296.9	214.2	112.1	73.2	45.9	25.7
-15°	801.4	640.3	568.9	463.3	363.0	290.1	206.3	118.1	78.8	49.5	27.0
-17.5°	661.5	599.8	534.4	436.0	349.3	282.6	198.0	123.0	83.5	52.9	28.5
-20°	619.0	568.5	502.0	409.4	334.1	274.3	189.9	126.5	87.5	55.5	30.0



REPORT NUMBER: P731412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	594.8	543.5	473.4	388.8	319.7	265.4	182.4	128.7	90.5	57.1	30.7
-25°	571.1	518.3	446.1	370.8	308.1	252.7	179.6	129.6	92.6	57.7	30.8
-27.5°	544.2	491.4	418.8	351.4	296.8	242.0	179.7	131.4	93.5	57.3	30.1
-30°	516.3	460.5	394.8	332.6	284.5	229.2	178.1	132.0	92.8	56.4	28.6
-32.5°	493.4	430.7	370.8	317.8	269.6	215.7	171.3	131.4	90.8	54.6	27.5
-35°	465.8	404.2	346.4	302.0	253.4	204.5	162.3	129.5	87.2	51.6	26.2
-37.5°	436.1	377.7	328.2	284.5	236.7	191.9	154.0	120.8	82.1	47.5	24.1
-40°	405.3	352.5	309.2	265.8	220.7	177.7	144.5	110.1	76.2	42.2	21.3
-42.5°	373.1	329.8	287.4	246.2	203.7	166.0	133.6	98.4	66.9	37.5	17.8
-45°	346.1	304.4	263.2	224.1	185.9	153.1	119.3	85.7	56.6	32.8	15.2
-47.5°	316.4	275.8	237.4	200.6	170.0	138.1	103.8	73.2	45.5	27.0	14.5
-50°	283.1	245.8	210.3	179.5	151.8	119.5	87.6	59.9	37.6	20.0	13.6
-52.5°	249.5	214.9	185.2	158.7	129.9	99.6	71.7	46.3	29.3	16.8	12.6
-55°	214.5	186.6	161.5	134.6	106.5	80.3	55.0	36.5	20.6	15.3	11.5
-57.5°	184.2	159.9	134.4	108.3	83.8	60.6	41.5	26.3	17.2	13.7	10.8
-60°	153.9	129.4	105.3	83.1	61.5	43.7	29.8	18.6	15.3	12.2	10.0
-62.5°	119.8	98.1	77.8	58.1	42.9	30.4	19.5	16.5	13.4	11.2	9.1
-65°	87.4	69.0	50.7	39.5	28.1	19.6	17.1	14.3	12.1	10.2	8.3
-67.5°	56.6	44.7	33.3	23.1	19.2	16.9	14.6	12.7	11.0	9.2	7.7
-70°	35.0	25.0	20.3	18.2	16.2	14.3	12.9	11.4	9.8	8.5	7.1
-72.5°	21.3	19.1	16.9	15.1	13.9	12.7	11.4	10.2	9.0	7.7	6.5
-75°	17.1	15.6	14.3	13.1	12.1	11.0	10.2	9.3	8.2	7.0	6.3
-77.5°	14.2	13.1	12.1	11.2	10.4	9.7	9.0	8.4	7.4	6.7	6.1
-80°	11.6	10.8	10.0	9.3	8.7	8.3	7.9	7.5	6.8	6.3	6.0
-82.5°	9.2	8.6	8.1	7.6	7.4	7.1	6.8	6.5	6.2	5.9	5.8
-85°	7.0	6.7	6.5	6.3	6.1	5.9	5.8	5.7	5.6	5.5	5.4
-87.5°	5.5	5.5	5.4	5.4	5.3	5.3	5.3	5.2	5.2	5.1	5.1
-90°	3.5	3.5	3.5	3.5	3.8	4.1	4.4	4.7	4.7	4.7	4.7



REPORT NUMBER: P731412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
72.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
70°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
67.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
65°	4.8	4.7	4.7	4.7	4.7	4.7	4.7
62.5°	4.8	4.8	4.7	4.7	4.7	4.7	4.7
60°	4.9	4.9	4.7	4.7	4.7	4.7	4.7
57.5°	5.2	5.1	4.8	4.7	4.7	4.7	4.7
55°	5.4	5.2	4.9	4.7	4.7	4.7	4.7
52.5°	5.6	5.3	5.1	4.7	4.8	4.7	4.7
50°	5.8	5.5	5.2	4.7	4.8	4.7	4.7
47.5°	5.9	5.6	5.3	4.7	4.8	4.7	4.7
45°	6.0	5.7	5.5	4.8	4.8	4.7	4.7
42.5°	6.1	5.8	5.6	4.9	4.9	4.7	4.7
40°	6.3	5.8	5.7	5.1	4.9	4.7	4.7
37.5°	6.4	5.9	5.8	5.2	5.0	4.7	4.7
35°	6.6	6.0	5.8	5.3	5.0	4.7	4.7
32.5°	6.8	6.1	5.9	5.4	5.1	4.7	4.7
30°	6.9	6.2	5.9	5.5	5.1	4.7	4.7
27.5°	7.1	6.4	5.9	5.6	5.2	4.7	4.7
25°	7.4	6.5	5.9	5.7	5.3	4.7	4.7
22.5°	7.6	6.6	5.9	5.7	5.3	4.7	4.7
20°	7.8	6.7	5.9	5.8	5.4	4.7	4.7
17.5°	8.0	6.8	5.9	5.8	5.5	4.7	4.7
15°	8.0	6.9	5.9	5.9	5.5	4.7	4.7
12.5°	8.1	7.0	5.9	5.9	5.6	4.7	4.7
10°	8.2	7.0	5.9	5.9	5.7	4.7	4.7
7.5°	8.2	7.0	5.9	5.9	5.7	4.7	4.7
5°	8.3	7.1	5.9	5.9	5.8	4.7	4.7
2.5°	8.3	7.1	5.9	5.9	5.8	4.7	4.7
0°	8.3	7.1	5.9	5.9	5.8	4.7	4.7
-2.5°	9.4	7.3	6.0	5.9	5.9	4.7	4.7
-5°	10.4	7.6	6.1	5.9	5.9	4.7	4.7
-7.5°	11.4	7.8	6.2	5.9	5.9	4.7	4.7
-10°	12.3	8.0	6.3	5.9	5.9	4.7	4.7
-12.5°	13.0	8.1	6.4	5.9	5.8	4.7	4.7
-15°	13.6	8.3	6.4	5.9	5.8	4.7	4.7
-17.5°	14.0	8.4	6.5	5.9	5.8	4.7	4.7
-20°	14.4	8.4	6.5	5.9	5.8	4.7	4.7



REPORT NUMBER: P731412 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-3S-CV5

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.8	8.5	6.5	5.9	5.7	4.7	4.7
-25°	14.9	8.5	6.5	5.9	5.7	4.7	4.7
-27.5°	14.6	8.6	6.5	5.9	5.6	4.7	4.7
-30°	13.8	8.6	6.5	5.9	5.6	4.7	4.7
-32.5°	12.6	8.6	6.5	5.9	5.5	4.7	4.7
-35°	12.1	8.4	6.5	5.9	5.5	4.7	4.7
-37.5°	11.9	8.3	6.4	5.9	5.4	4.7	4.7
-40°	11.7	8.2	6.3	5.9	5.3	4.7	4.7
-42.5°	11.3	8.1	6.3	5.9	5.3	4.7	4.7
-45°	10.7	7.9	6.3	5.9	5.2	4.7	4.7
-47.5°	10.1	7.7	6.3	5.9	5.1	4.7	4.7
-50°	9.7	7.5	6.3	5.8	5.0	4.7	4.7
-52.5°	9.3	7.2	6.2	5.7	5.0	4.7	4.7
-55°	8.9	7.0	6.1	5.6	4.9	4.7	4.7
-57.5°	8.3	6.8	6.0	5.5	4.8	4.7	4.7
-60°	7.8	6.6	5.9	5.4	4.7	4.7	4.7
-62.5°	7.4	6.3	5.8	5.3	4.7	4.7	4.7
-65°	7.0	6.1	5.7	5.2	4.7	4.7	4.7
-67.5°	6.5	5.9	5.6	5.1	4.7	4.7	4.7
-70°	6.0	5.8	5.5	5.0	4.7	4.7	4.7
-72.5°	5.9	5.7	5.4	4.9	4.7	4.7	4.7
-75°	5.9	5.6	5.3	4.9	4.7	4.7	4.7
-77.5°	5.9	5.6	5.2	4.9	4.7	4.7	4.7
-80°	5.9	5.5	5.1	4.8	4.7	4.7	4.7
-82.5°	5.6	5.3	5.0	4.8	4.7	4.7	4.7
-85°	5.3	5.1	4.9	4.8	4.7	4.7	4.7
-87.5°	5.0	4.9	4.8	4.7	4.7	4.7	4.7
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7

(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

