

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: P701349 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-80-3S-CV5-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701349 (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: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0320L-40-80-3S-CV5-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

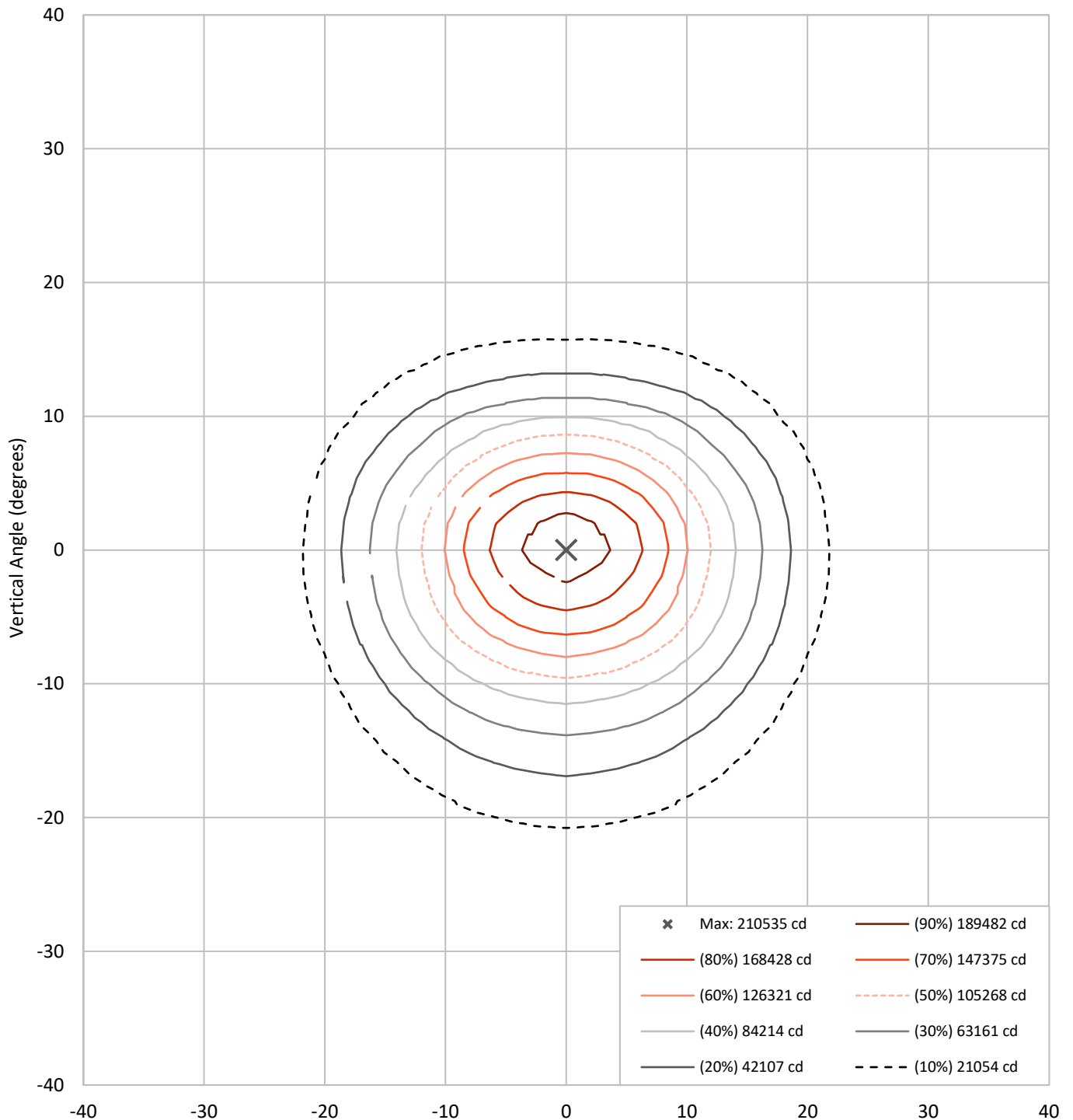
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	35196.2 lumens	Max Intensity:	210535 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	102.3 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:	15056.1 lumens	Field Lumens:	30078.7 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%

Input Watts (W): 344.2  
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-08-0320L-40-80-3S-CV5-S

### Iso-Candela Plot





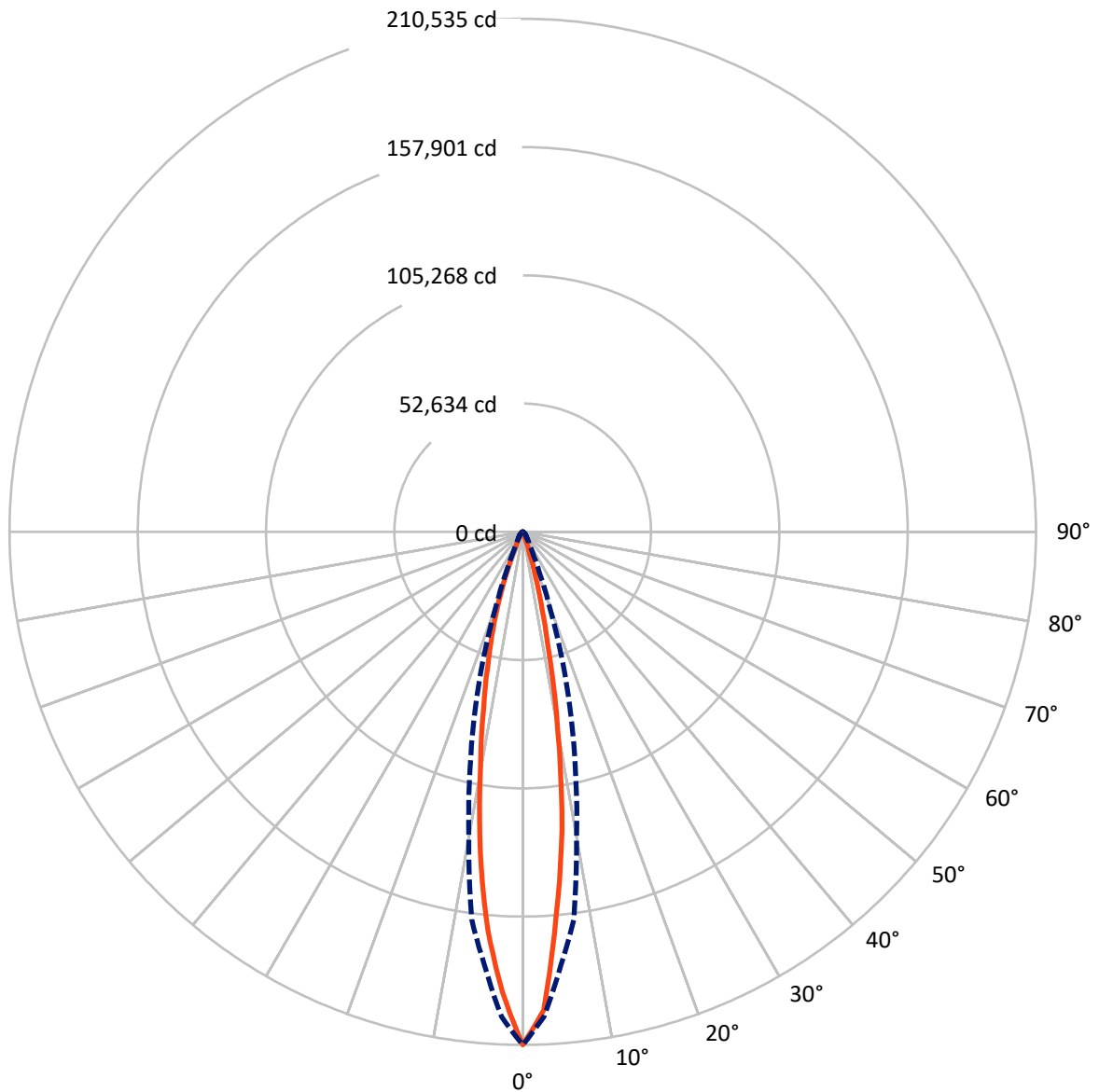
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### Lumen Table

90	0.1		0.3		0.4		0.5		0.5		0.5		0.4		0.3		0.1	
80	0.1		0.3		0.4		0.5		0.5		0.5		0.4		0.3		0.1	
70	0.1	0.1	0.1	0.4	0.5	0.3	0.2	0.1	0.1	0.2	0.3	0.5	0.4	0.1	0.1	0.1		
60		0.1	0.2	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.2	0.1			
50	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1		
40		0.1	0.4	0.5	1.0	1.4	1.7	2.3	2.3	1.7	1.4	1.0	0.5	0.4	0.1			
30	0.2	0.3	1.0	2.5	4.6	7.1	16.0	32.2	32.2	16.0	7.1	4.6	2.5	1.0	0.3	0.2		
20		0.7	3.6	11.6	25.3	68.0	377.0	862.7	862.7	377.0	68.0	25.3	11.6	3.6	0.7			
10	0.2	1.3	7.6	27.4	63.8	280.7	1760.7	4109.9	4109.9	1760.7	280.7	63.8	27.4	7.6	1.3	0.2		
0		1.7	9.1	32.0	71.6	299.2	1877.9	4233.0	4233.0	1877.9	299.2	71.6	32.0	9.1	1.7			
-10	0.4	1.8	7.8	24.3	50.8	129.0	681.8	1534.5	1534.5	681.8	129.0	50.8	24.3	7.8	1.8	0.4		
-20		1.8	6.3	15.2	35.9	60.8	132.0	265.5	265.5	132.0	60.8	35.9	15.2	6.3	1.8			
-30	0.3	1.6	5.0	10.6	23.2	41.9	57.0	66.5	66.5	57.0	41.9	23.2	10.6	5.0	1.6	0.3		
-40		1.1	3.7	8.1	14.4	23.5	36.1	45.3	45.3	36.1	23.5	14.4	8.1	3.7	1.1			
-50	0.2	0.5	2.2	5.1	9.2	13.5	17.1	19.2	19.2	17.1	13.5	9.2	5.1	2.2	0.5	0.2		
-60		0.2	0.8	2.2	4.1	6.4	8.5	9.8	9.8	8.5	6.4	4.1	2.2	0.8	0.2			
-70	0.1	0.5	1.7	4.5	7.0	4.5	1.7	0.5	0.1	0.1								
-80		0.1	0.5	1.7	4.5	7.0	4.5	1.7	0.5		0.1							
-90	0.1		0.5		1.7		4.5		7.0		4.5		1.7		0.5		0.1	

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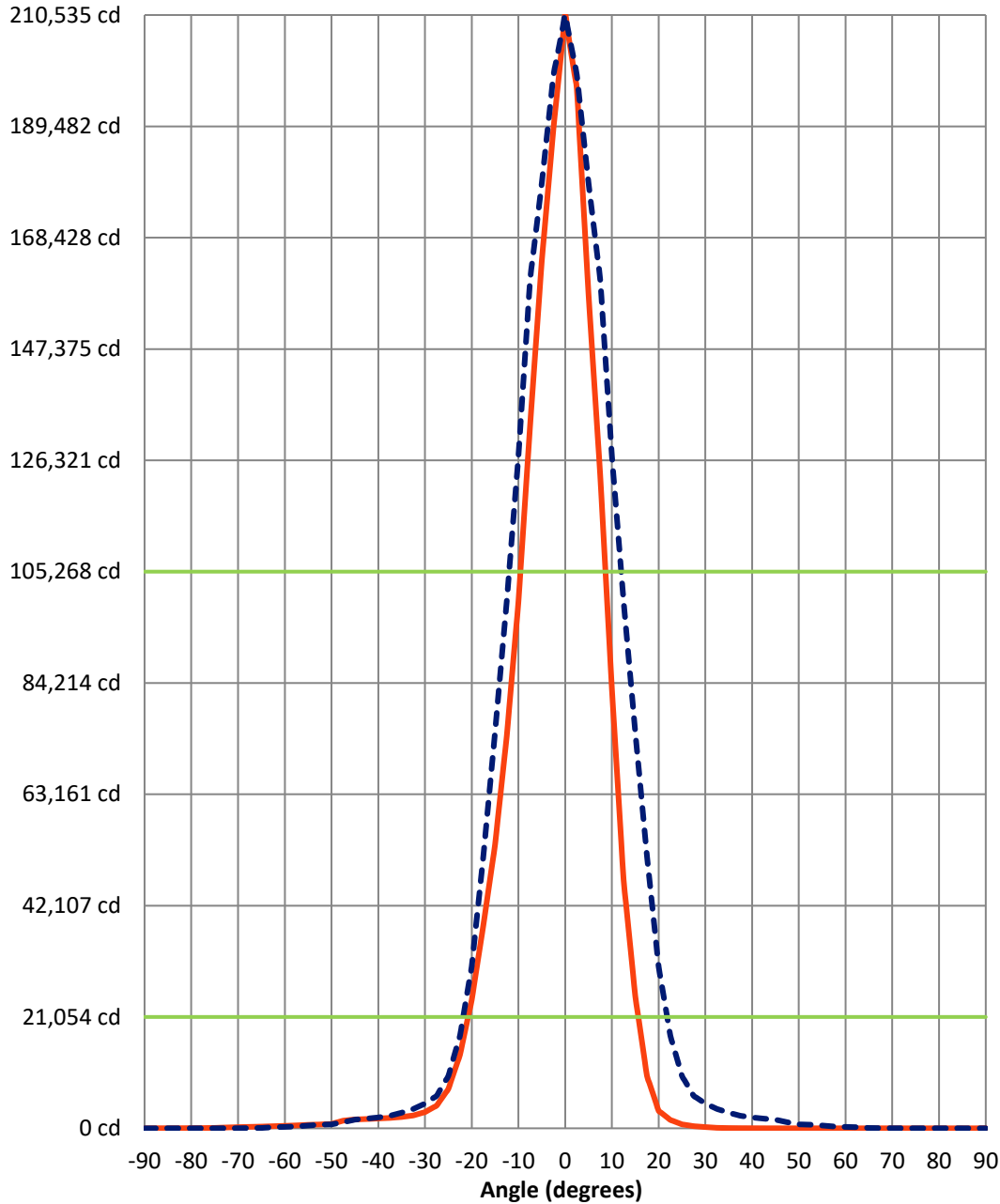
### Luminous Intensity Polar Plot



— 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: 15056.1  
Efficiency: 42.8%

**Field:**  
H Angle: 43.7°  
V Angle: 36.4°  
Lumens: 30078.7  
Efficiency: 85.5%

**Spill:**  
Lumens: 5117.5  
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°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
85°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
82.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
80°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
77.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
75°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
72.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
70°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.8
67.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.8	5.3
65°	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.4	4.8	5.3	5.5
62.5°	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.6	5.2	5.6	5.2
60°	4.4	4.4	4.4	4.4	4.4	4.6	4.6	5.0	5.5	5.4	4.9
57.5°	4.4	4.4	4.4	4.4	4.5	4.8	4.9	5.3	5.5	5.2	4.8
55°	4.4	4.4	4.4	4.4	4.6	4.9	5.1	5.6	5.5	5.2	4.9
52.5°	4.4	4.4	4.5	4.4	4.8	5.0	5.3	5.6	5.5	5.2	5.0
50°	4.4	4.4	4.5	4.4	4.9	5.2	5.5	5.7	5.5	5.3	6.0
47.5°	4.4	4.4	4.5	4.4	5.0	5.3	5.6	5.7	5.6	5.4	7.0
45°	4.4	4.4	4.5	4.5	5.2	5.4	5.7	5.8	5.7	5.9	7.7
42.5°	4.4	4.4	4.6	4.6	5.3	5.5	5.8	6.0	5.8	6.3	8.4
40°	4.4	4.4	4.6	4.8	5.4	5.5	5.9	6.1	6.1	6.5	9.1
37.5°	4.4	4.4	4.7	4.9	5.5	5.6	6.1	6.3	6.6	7.2	9.7
35°	4.4	4.4	4.7	5.0	5.5	5.7	6.2	6.5	7.0	8.4	10.1
32.5°	4.4	4.4	4.8	5.1	5.6	5.8	6.4	6.7	7.5	9.6	11.1
30°	4.4	4.4	4.8	5.2	5.6	5.9	6.6	7.0	8.1	10.8	12.3
27.5°	4.4	4.4	4.9	5.3	5.6	6.0	6.7	7.4	8.8	12.1	13.7
25°	4.4	4.4	5.0	5.4	5.6	6.2	6.9	7.9	9.8	13.3	15.5
22.5°	4.4	4.4	5.0	5.4	5.6	6.3	7.1	8.3	10.8	14.6	18.6
20°	4.4	4.4	5.1	5.5	5.6	6.4	7.4	8.7	11.9	16.0	22.1
17.5°	4.4	4.4	5.2	5.5	5.6	6.4	7.5	9.1	12.9	17.5	25.9
15°	4.4	4.4	5.2	5.6	5.6	6.5	7.6	9.6	13.8	19.0	29.9
12.5°	4.4	4.4	5.3	5.6	5.6	6.6	7.6	10.2	14.9	20.6	33.9
10°	4.4	4.4	5.4	5.6	5.6	6.6	7.7	10.9	16.1	23.2	38.9
7.5°	4.4	4.4	5.4	5.6	5.6	6.7	7.7	11.5	17.2	26.1	45.8
5°	4.4	4.4	5.5	5.6	5.6	6.7	7.8	12.1	18.2	29.0	52.7
2.5°	4.4	4.4	5.5	5.6	5.6	6.7	7.8	12.7	19.1	31.8	59.3
0°	4.4	4.4	5.6	5.6	5.6	6.7	7.8	13.3	20.0	34.5	65.6
-2.5°	4.4	4.4	5.6	5.6	5.7	6.9	8.8	15.9	25.4	42.4	75.1
-5°	4.4	4.4	5.6	5.6	5.8	7.2	9.8	18.3	30.5	49.9	83.9
-7.5°	4.4	4.4	5.6	5.6	5.9	7.4	10.7	20.6	35.3	57.0	91.9
-10°	4.4	4.4	5.6	5.6	6.0	7.5	11.6	22.6	39.6	63.4	99.1
-12.5°	4.4	4.4	5.5	5.6	6.0	7.7	12.3	24.2	43.3	69.1	105.7
-15°	4.4	4.4	5.5	5.6	6.1	7.8	12.8	25.5	46.7	74.3	111.4
-17.5°	4.4	4.4	5.5	5.6	6.1	7.9	13.2	26.9	49.9	78.8	115.9
-20°	4.4	4.4	5.5	5.6	6.2	8.0	13.6	28.3	52.3	82.5	119.3



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 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.4	4.4	5.4	5.6	6.2	8.0	14.0	29.0	53.9	85.4	121.4
-25°	4.4	4.4	5.4	5.6	6.2	8.1	14.1	29.1	54.5	87.3	122.3
-27.5°	4.4	4.4	5.3	5.6	6.2	8.1	13.8	28.4	54.1	88.2	123.9
-30°	4.4	4.4	5.3	5.6	6.1	8.1	13.1	27.1	53.2	87.6	124.5
-32.5°	4.4	4.4	5.2	5.6	6.1	8.1	11.9	26.0	51.5	85.6	124.0
-35°	4.4	4.4	5.2	5.6	6.1	7.9	11.5	24.7	48.7	82.2	122.2
-37.5°	4.4	4.4	5.1	5.6	6.1	7.8	11.3	22.7	44.8	77.4	114.0
-40°	4.4	4.4	5.0	5.6	6.0	7.7	11.0	20.1	39.9	71.9	103.9
-42.5°	4.4	4.4	5.0	5.6	6.0	7.6	10.6	16.8	35.4	63.1	92.8
-45°	4.4	4.4	4.9	5.6	6.0	7.5	10.1	14.4	30.9	53.4	80.8
-47.5°	4.4	4.4	4.8	5.6	6.0	7.3	9.5	13.7	25.5	43.0	69.0
-50°	4.4	4.4	4.7	5.5	5.9	7.0	9.2	12.8	18.9	35.5	56.5
-52.5°	4.4	4.4	4.7	5.4	5.9	6.8	8.8	11.8	15.9	27.6	43.7
-55°	4.4	4.4	4.6	5.3	5.8	6.6	8.4	10.8	14.4	19.4	34.4
-57.5°	4.4	4.4	4.5	5.2	5.7	6.4	7.9	10.1	12.9	16.2	24.9
-60°	4.4	4.4	4.4	5.1	5.6	6.2	7.3	9.4	11.4	14.5	17.6
-62.5°	4.4	4.4	4.4	5.0	5.5	6.0	7.0	8.6	10.5	12.6	15.6
-65°	4.4	4.4	4.4	4.9	5.4	5.7	6.6	7.8	9.6	11.4	13.5
-67.5°	4.4	4.4	4.4	4.8	5.3	5.6	6.1	7.3	8.6	10.3	12.0
-70°	4.4	4.4	4.4	4.7	5.2	5.5	5.7	6.7	8.0	9.2	10.8
-72.5°	4.4	4.4	4.4	4.6	5.1	5.4	5.6	6.1	7.3	8.5	9.6
-75°	4.4	4.4	4.4	4.6	5.0	5.3	5.6	5.9	6.6	7.7	8.8
-77.5°	4.4	4.4	4.4	4.6	4.9	5.3	5.6	5.8	6.3	7.0	7.9
-80°	4.4	4.4	4.4	4.5	4.8	5.2	5.6	5.7	6.0	6.4	7.1
-82.5°	4.4	4.4	4.4	4.5	4.7	5.0	5.3	5.5	5.6	5.8	6.2
-85°	4.4	4.4	4.4	4.5	4.6	4.8	5.0	5.1	5.2	5.3	5.4
-87.5°	4.4	4.4	4.4	4.4	4.5	4.6	4.7	4.8	4.8	4.9	4.9
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4





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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°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.7	5.0	5.3
87.5°	4.3	4.1	4.0	3.9	3.8	3.7	3.5	3.3	3.3	3.3	3.3
85°	4.4	4.4	4.4	4.4	4.1	3.9	3.6	3.3	3.3	3.3	3.3
82.5°	4.4	4.4	4.4	4.4	4.2	3.9	3.6	3.5	3.5	3.5	3.4
80°	4.4	4.4	4.4	4.4	4.3	4.2	4.2	4.2	4.1	3.9	3.6
77.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.2	3.9	3.6
75°	4.4	4.4	4.5	4.4	4.4	4.4	4.4	4.4	4.3	4.2	4.2
72.5°	4.6	4.7	4.7	4.5	4.4	4.4	4.4	4.4	5.2	6.3	7.2
70°	5.1	5.1	4.8	4.5	4.4	4.7	6.1	7.9	9.9	11.3	13.2
67.5°	5.4	4.9	4.5	4.5	5.4	6.9	9.0	13.7	19.0	21.1	21.7
65°	5.0	4.5	4.7	5.4	6.6	10.5	15.7	21.9	26.4	26.1	24.7
62.5°	4.5	4.6	5.2	7.0	10.6	15.5	20.2	24.5	28.8	27.6	23.7
60°	4.5	4.7	6.8	10.5	14.2	17.8	22.3	24.7	26.7	26.5	21.0
57.5°	4.6	6.0	9.6	13.2	16.2	19.0	20.4	22.1	22.7	22.8	17.0
55°	5.3	8.2	11.8	14.8	17.1	16.7	17.2	17.4	17.5	16.3	11.6
52.5°	7.1	10.2	13.0	15.7	16.3	14.6	12.8	12.8	12.0	10.1	8.4
50°	8.5	11.3	14.1	15.9	15.2	12.2	9.4	9.4	8.6	7.4	6.4
47.5°	9.6	12.3	15.1	16.1	13.5	11.0	8.7	7.6	6.8	6.6	5.9
45°	10.5	13.2	16.1	15.0	12.8	10.9	9.0	6.7	7.0	6.9	7.2
42.5°	11.3	13.7	15.4	14.4	13.1	11.7	9.9	8.6	8.0	8.8	9.2
40°	11.7	14.1	14.9	15.1	13.9	13.1	12.9	11.9	10.3	11.7	12.2
37.5°	11.9	14.1	15.5	17.3	15.7	16.1	16.7	17.0	16.0	15.7	17.6
35°	11.8	14.5	18.7	20.8	19.5	20.4	22.3	23.2	23.3	22.9	26.2
32.5°	12.1	15.3	23.1	24.9	26.3	27.5	28.8	30.9	32.8	35.0	40.5
30°	13.7	19.4	28.1	29.5	34.7	40.2	38.7	39.8	44.1	58.0	70.2
27.5°	17.1	24.9	32.4	36.9	45.4	56.9	60.5	53.5	66.1	87.7	108.4
25°	21.1	40.4	37.2	46.1	61.9	79.1	88.7	87.6	100.0	127.3	151.8
22.5°	29.6	60.5	58.7	56.0	81.0	106.3	122.7	151.1	191.2	191.1	199.9
20°	44.5	79.8	85.8	93.2	109.3	137.5	161.0	236.3	319.9	348.3	317.3
17.5°	61.9	101.1	116.6	141.8	177.5	195.8	209.1	338.2	479.4	535.3	552.9
15°	81.2	124.0	149.6	196.1	253.2	285.5	342.4	489.9	656.7	751.5	822.1
12.5°	101.9	148.1	184.2	254.8	334.2	376.9	503.2	716.7	882.8	997.2	1176.5
10°	123.1	172.9	219.8	316.4	419.0	469.5	675.4	950.2	1123.8	1256.2	1501.5
7.5°	146.6	197.7	255.1	379.3	505.6	562.5	853.2	1185.6	1358.7	1506.2	1783.4
5°	169.4	221.4	286.8	432.8	575.1	640.9	1013.6	1416.6	1586.9	1747.0	2037.9
2.5°	190.4	244.2	317.2	482.0	630.2	695.8	1090.8	1534.1	1719.8	1918.5	2230.2
0°	209.0	265.7	345.8	527.0	680.5	748.3	1151.9	1635.5	1827.9	2053.6	2370.5
-2.5°	212.9	274.3	356.0	526.4	673.7	747.0	1157.8	1640.0	1865.1	2103.7	2413.8
-5°	214.0	281.1	363.9	521.1	662.5	742.7	1145.8	1623.5	1871.3	2091.5	2370.8
-7.5°	212.5	286.0	369.3	510.8	640.8	718.0	1078.3	1522.9	1773.5	1965.3	2227.9
-10°	208.7	285.4	363.2	487.6	606.0	680.5	985.8	1406.8	1671.6	1836.7	2065.5
-12.5°	202.0	280.0	353.7	462.7	570.8	642.3	878.1	1278.2	1568.3	1709.4	1894.4
-15°	194.5	273.7	342.3	436.9	536.5	603.8	755.9	1139.4	1470.0	1613.6	1751.1
-17.5°	186.7	266.5	329.5	411.2	504.0	565.6	623.9	992.0	1345.5	1515.9	1648.8
-20°	179.1	258.7	315.2	386.1	473.5	536.1	583.8	842.7	1170.7	1407.7	1541.1



REPORT NUMBER: P701349 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	172.0	250.3	301.6	366.7	446.5	512.6	560.9	696.5	986.2	1290.1	1434.3
-25°	169.4	238.3	290.6	349.7	420.7	488.8	538.7	572.5	811.9	1112.7	1332.5
-27.5°	169.5	228.3	280.0	331.4	395.0	463.5	513.2	548.2	679.4	938.4	1217.7
-30°	167.9	216.2	268.3	313.7	372.4	434.4	486.9	535.2	576.7	784.0	1030.5
-32.5°	161.6	203.4	254.3	299.7	349.7	406.2	465.4	517.0	562.1	629.5	852.8
-35°	153.0	192.9	239.0	284.8	326.7	381.2	439.3	495.8	543.7	585.5	687.4
-37.5°	145.2	180.9	223.2	268.4	309.5	356.2	411.3	467.9	519.3	569.1	615.1
-40°	136.3	167.6	208.2	250.7	291.7	332.5	382.2	435.7	489.9	547.3	602.7
-42.5°	126.1	156.6	192.1	232.2	271.1	311.1	351.9	402.1	456.7	517.3	575.1
-45°	112.6	144.4	175.2	211.4	248.3	287.1	326.4	367.0	419.6	475.6	536.1
-47.5°	97.9	130.3	160.3	189.2	224.0	260.2	298.4	338.2	379.8	430.8	485.1
-50°	82.6	112.7	143.2	169.3	198.4	231.9	267.0	306.5	346.2	386.2	432.4
-52.5°	67.7	94.0	122.5	149.7	174.7	202.7	235.3	271.2	309.0	347.4	383.2
-55°	51.9	75.8	100.4	126.9	152.3	176.1	202.4	234.5	268.4	304.1	336.8
-57.5°	39.1	57.1	79.1	102.2	126.7	150.9	173.8	197.1	226.3	257.8	285.8
-60°	28.1	41.2	58.0	78.4	99.3	122.1	145.2	166.9	188.3	208.9	234.0
-62.5°	18.4	28.6	40.5	54.7	73.4	92.5	113.0	134.0	154.8	172.7	189.2
-65°	16.1	18.5	26.5	37.2	47.8	65.1	82.5	99.1	117.4	133.9	149.7
-67.5°	13.8	16.0	18.1	21.8	31.4	42.1	53.4	68.6	83.1	94.9	106.7
-70°	12.2	13.5	15.3	17.2	19.2	23.5	32.9	42.8	52.4	61.5	71.6
-72.5°	10.8	12.0	13.1	14.3	16.0	18.0	20.1	22.3	27.7	35.0	42.0
-75°	9.6	10.4	11.4	12.4	13.5	14.7	16.1	17.9	19.6	21.1	22.5
-77.5°	8.5	9.1	9.8	10.6	11.4	12.3	13.4	14.4	15.6	16.7	18.0
-80°	7.4	7.8	8.2	8.7	9.4	10.2	10.9	11.6	12.2	13.0	13.9
-82.5°	6.4	6.7	6.9	7.2	7.6	8.1	8.7	9.3	9.4	9.7	10.0
-85°	5.5	5.6	5.8	5.9	6.1	6.4	6.7	7.0	7.0	7.1	7.1
-87.5°	5.0	5.0	5.0	5.1	5.1	5.2	5.2	5.2	5.4	5.5	5.5
-90°	4.1	3.9	3.6	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.6	5.9	6.1	6.4	6.7	9.2	11.7	14.2	16.7	20.9	25.0
87.5°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	1.1	1.1
85°	3.3	3.0	2.8	2.5	2.2	2.2	2.1	2.1	2.1	1.9	1.6
82.5°	3.3	3.0	2.8	2.5	2.2	2.2	2.2	2.2	2.2	1.9	1.7
80°	3.3	3.2	3.0	2.9	2.9	2.8	2.6	2.4	2.2	2.2	2.2
77.5°	3.5	3.5	3.5	3.4	3.3	3.1	2.8	2.5	2.2	2.2	2.2
75°	4.3	4.4	4.5	4.4	4.0	3.7	3.5	3.3	3.1	2.9	2.7
72.5°	7.8	7.8	7.5	7.2	6.5	6.2	6.2	6.2	6.0	5.9	5.8
70°	14.3	14.5	13.9	12.6	10.6	9.3	8.7	8.0	7.0	6.7	6.6
67.5°	20.3	18.6	16.8	14.9	12.5	10.4	9.3	8.2	7.1	6.6	6.3
65°	22.2	18.2	15.2	12.8	11.0	9.4	8.2	6.9	5.7	4.9	4.7
62.5°	19.4	14.5	11.5	9.7	8.4	7.6	6.3	5.2	4.2	3.7	3.8
60°	15.7	10.7	7.9	6.9	6.2	5.6	4.9	4.2	3.7	3.3	3.4
57.5°	11.8	7.8	5.6	5.4	5.1	4.6	4.2	3.9	3.6	3.3	3.3
55°	8.1	6.5	5.6	5.3	5.0	4.6	4.3	4.0	3.6	3.3	3.3
52.5°	6.4	5.9	5.6	5.4	5.1	4.7	4.4	4.0	3.7	3.4	3.3
50°	5.8	5.7	5.7	5.5	5.2	4.8	4.4	4.3	4.2	4.0	4.1
47.5°	6.0	6.2	6.0	5.6	5.4	5.4	5.5	5.5	5.5	5.3	5.2
45°	6.8	6.9	6.8	6.7	6.5	7.1	7.5	7.5	8.7	8.3	7.0
42.5°	8.5	8.9	9.4	9.9	9.2	11.7	15.7	18.5	15.8	12.5	10.5
40°	12.8	13.1	15.9	17.4	20.7	24.4	22.2	18.6	16.5	17.6	18.2
37.5°	20.2	23.6	28.3	33.5	32.2	26.7	27.3	27.3	26.3	28.5	28.7
35°	33.0	41.4	45.3	46.5	44.2	42.5	44.1	45.6	42.2	47.6	49.3
32.5°	54.0	64.2	66.5	64.0	64.3	68.1	70.9	75.9	81.0	89.1	98.8
30°	79.6	90.6	95.8	91.0	92.0	100.9	106.6	118.2	136.6	157.7	183.9
27.5°	118.0	126.1	135.4	136.8	132.4	145.4	165.7	177.9	227.4	260.1	319.3
25°	168.6	181.2	189.4	203.4	210.8	226.5	265.5	303.0	379.1	453.2	579.0
22.5°	235.0	275.6	290.5	288.4	332.2	374.3	407.5	512.5	662.5	882.0	1129.1
20°	322.8	406.1	476.9	499.9	515.5	626.7	741.2	1066.9	1440.2	2063.4	2547.8
17.5°	581.8	609.2	764.8	891.4	951.6	1187.2	1721.4	2541.2	3950.4	5878.5	7064.0
15°	971.3	1049.6	1205.6	1473.4	1804.8	2429.4	3321.0	5934.9	9548.9	13498.4	17258.5
12.5°	1401.4	1564.7	1850.5	2244.9	2771.1	4553.2	7430.8	12348.4	19039.2	25881.8	34608.7
10°	1800.6	2129.0	2597.9	3263.6	4614.8	7659.2	12503.0	20862.2	32713.7	45071.4	57417.2
7.5°	2126.3	2596.0	3281.7	4279.0	6700.5	11588.5	19532.3	31848.4	47043.9	62942.7	79681.7
5°	2455.1	3049.7	3875.7	5082.3	8067.3	14624.1	25190.3	42051.4	61661.3	81694.3	102789.2
2.5°	2740.2	3435.8	4392.0	5801.8	8986.5	16267.1	28603.5	49365.7	72389.7	96362.5	123230.2
0°	2950.9	3659.1	4675.3	6141.9	9892.2	17546.2	30601.5	51527.7	74945.6	99694.9	127154.9
-2.5°	2921.6	3562.0	4483.2	5938.5	9577.4	17315.4	29353.5	49747.6	72667.0	95867.1	120357.8
-5°	2788.1	3345.1	4170.5	5473.2	8490.7	15023.3	26341.4	45136.8	66448.8	87649.9	109440.6
-7.5°	2584.6	3066.5	3790.0	4909.1	7237.5	12381.5	21787.5	36490.2	54812.7	72932.5	89742.0
-10°	2374.5	2767.0	3353.4	4237.7	5898.6	9492.9	16144.4	27135.8	42373.3	57295.4	70177.0
-12.5°	2176.9	2469.2	2886.2	3501.9	4525.7	7106.6	12128.9	20148.1	30326.2	41799.1	52953.2
-15°	1992.6	2208.8	2508.3	3004.9	3824.2	5355.0	8081.5	13425.6	20584.9	28593.1	36303.6
-17.5°	1823.7	2002.0	2235.7	2585.3	3092.9	4039.6	5949.6	9005.0	13327.4	19023.7	24348.4
-20°	1672.4	1833.8	2008.6	2270.6	2660.4	3217.6	4157.9	6054.7	8549.0	12139.4	15660.7



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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°	1553.8	1680.6	1816.5	2016.9	2341.9	2737.0	3204.4	3981.5	5354.4	7196.0	9281.7
-25°	1445.5	1539.4	1680.3	1896.0	2118.6	2382.2	2665.6	2977.3	3586.4	4178.7	5270.7
-27.5°	1342.6	1441.6	1588.4	1783.0	1986.1	2109.2	2290.5	2483.0	2774.4	3031.5	3466.5
-30°	1256.7	1360.7	1485.3	1649.5	1820.5	1936.5	2030.8	2170.1	2331.7	2492.9	2680.1
-32.5°	1095.2	1293.7	1380.1	1505.3	1659.2	1781.2	1864.7	1968.2	2054.5	2154.8	2256.4
-35°	918.6	1137.5	1316.2	1397.2	1503.7	1639.3	1758.0	1841.1	1907.9	1969.8	2028.1
-37.5°	718.8	946.4	1141.5	1305.8	1403.3	1494.1	1620.0	1731.8	1812.3	1854.8	1892.7
-40°	642.8	708.5	914.7	1103.1	1249.7	1392.0	1490.1	1599.7	1692.7	1751.5	1795.5
-42.5°	629.7	663.5	690.2	833.0	1010.9	1163.4	1293.2	1421.1	1534.7	1619.0	1687.0
-45°	594.6	634.7	672.2	698.6	726.0	860.8	1005.7	1146.9	1275.2	1389.9	1490.2
-47.5°	537.8	585.7	625.7	664.0	693.8	717.3	744.5	789.5	909.6	1027.5	1139.5
-50°	476.1	519.5	562.9	604.1	636.5	664.9	691.0	713.4	735.9	759.5	781.9
-52.5°	415.1	453.9	492.5	528.6	563.1	595.5	625.7	647.9	666.9	683.6	696.2
-55°	367.1	396.0	424.1	454.8	485.3	514.0	540.2	564.2	586.0	605.5	620.5
-57.5°	314.1	342.4	369.3	392.3	414.6	436.1	458.4	479.7	498.5	514.8	528.0
-60°	258.7	282.8	306.8	329.4	351.0	371.3	389.5	406.3	421.4	434.4	444.1
-62.5°	205.2	224.3	245.9	265.5	282.8	299.4	318.2	335.1	350.1	362.6	371.8
-65°	164.8	178.5	194.0	209.2	224.2	240.2	256.6	271.2	284.0	294.4	302.7
-67.5°	120.1	133.6	148.6	162.3	174.9	188.5	204.2	218.5	231.7	242.3	250.9
-70°	81.0	90.5	102.4	115.2	127.5	140.5	154.8	168.5	181.7	191.7	199.9
-72.5°	48.6	54.8	61.2	69.5	78.3	88.9	100.9	113.0	124.9	133.6	140.3
-75°	23.8	26.3	31.6	36.4	40.8	46.5	52.6	58.3	63.7	67.6	70.7
-77.5°	19.2	20.5	21.7	22.8	23.9	26.4	29.4	32.5	35.7	38.2	40.6
-80°	14.8	15.5	16.3	17.2	18.1	20.0	22.1	24.2	26.3	27.9	29.3
-82.5°	10.3	10.7	11.1	11.4	11.7	13.1	14.6	15.9	17.3	18.5	19.8
-85°	7.0	7.1	7.2	7.3	7.4	8.8	10.2	11.6	13.0	14.2	15.4
-87.5°	5.6	5.6	5.7	5.7	5.7	6.9	8.0	9.1	10.2	11.4	12.4
-90°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	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°	29.2	33.4	30.6	27.8	30.6	33.4	29.2	25.0	20.9	16.7	14.2
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
85°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.6	1.9	2.1	2.1
82.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5
75°	2.5	2.2	2.7	3.3	2.7	2.2	2.5	2.7	2.9	3.1	3.3
72.5°	5.7	5.5	5.6	5.6	5.6	5.5	5.7	5.8	5.9	6.0	6.2
70°	6.6	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.7	7.0	8.0
67.5°	6.0	5.7	5.6	5.6	5.6	5.7	6.0	6.3	6.6	7.1	8.2
65°	4.5	4.5	4.4	4.4	4.4	4.5	4.5	4.7	4.9	5.7	6.9
62.5°	4.1	4.3	4.4	4.4	4.4	4.3	4.1	3.8	3.7	4.2	5.2
60°	3.4	3.4	3.3	3.3	3.3	3.4	3.4	3.4	3.3	3.7	4.2
57.5°	3.3	3.3	3.7	4.4	3.7	3.3	3.3	3.3	3.3	3.6	3.9
55°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.6	4.0
52.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.7	4.0
50°	4.2	4.3	4.4	4.4	4.4	4.3	4.2	4.1	4.0	4.2	4.3
47.5°	5.4	5.5	5.2	4.4	5.2	5.5	5.4	5.2	5.3	5.5	5.5
45°	7.0	6.8	6.7	6.7	6.7	6.8	7.0	7.0	8.3	8.7	7.5
42.5°	10.8	10.9	11.0	11.1	11.0	10.9	10.8	10.5	12.5	15.8	18.5
40°	19.2	19.7	19.8	20.0	19.8	19.7	19.2	18.2	17.6	16.5	18.6
37.5°	29.0	29.6	29.7	30.0	29.7	29.6	29.0	28.7	28.5	26.3	27.3
35°	49.1	48.9	47.2	47.8	47.2	48.9	49.1	49.3	47.6	42.2	45.6
32.5°	105.4	106.2	100.7	92.3	100.7	106.2	105.4	98.8	89.1	81.0	75.9
30°	203.7	221.1	232.8	233.5	232.8	221.1	203.7	183.9	157.7	136.6	118.2
27.5°	358.8	385.9	397.4	403.6	397.4	385.9	358.8	319.3	260.1	227.4	177.9
25°	677.9	740.1	773.7	748.3	773.7	740.1	677.9	579.0	453.2	379.1	303.0
22.5°	1364.1	1483.0	1584.3	1590.0	1584.3	1483.0	1364.1	1129.1	882.0	662.5	512.5
20°	3221.4	3194.4	3450.6	3322.2	3450.6	3194.4	3221.4	2547.8	2063.4	1440.2	1066.9
17.5°	9137.2	10147.9	10706.5	9942.2	10706.5	10147.9	9137.2	7064.0	5878.5	3950.4	2541.2
15°	21006.1	23527.4	25233.4	25015.6	25233.4	23527.4	21006.1	17258.5	13498.4	9548.9	5934.9
12.5°	39496.9	43640.2	47171.8	47023.6	47171.8	43640.2	39496.9	34608.7	25881.8	19039.2	12348.4
10°	68416.3	75639.9	82371.9	83073.2	82371.9	75639.9	68416.3	57417.2	45071.4	32713.7	20862.2
7.5°	95060.3	111326.8	121023.1	123510.8	121023.1	111326.8	95060.3	79681.7	62942.7	47043.9	31848.4
5°	128423.0	147260.4	157451.1	157723.1	157451.1	147260.4	128423.0	102789.2	81694.3	61661.3	42051.4
2.5°	153120.7	174339.7	186852.6	196534.0	186852.6	174339.7	153120.7	123230.2	96362.5	72389.7	49365.7
0°	160466.1	178764.9	199183.0	210535.0	199183.0	178764.9	160466.1	127154.9	99694.9	74945.6	51527.7
-2.5°	150623.8	169782.3	179918.1	189151.8	179918.1	169782.3	150623.8	120357.8	95867.1	72667.0	49747.6
-5°	131925.8	152218.0	161956.3	164035.1	161956.3	152218.0	131925.8	109440.6	87649.9	66448.8	45136.8
-7.5°	104973.6	119255.9	129115.0	132981.5	129115.0	119255.9	104973.6	89742.0	72932.5	54812.7	36490.2
-10°	82156.2	91378.8	96312.5	99593.2	96312.5	91378.8	82156.2	70177.0	57295.4	42373.3	27135.8
-12.5°	61943.4	68610.3	72479.6	74163.9	72479.6	68610.3	61943.4	52953.2	41799.1	30326.2	20148.1
-15°	44091.0	49366.4	51986.4	53654.7	51986.4	49366.4	44091.0	36303.6	28593.1	20584.9	13425.6
-17.5°	30208.1	34450.0	36867.7	38440.1	36867.7	34450.0	30208.1	24348.4	19023.7	13327.4	9005.0
-20°	19327.9	21853.7	23714.0	24256.2	23714.0	21853.7	19327.9	15660.7	12139.4	8549.0	6054.7



REPORT NUMBER: P701349 (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°	11292.7	12779.8	13716.7	13929.3	13716.7	12779.8	11292.7	9281.7	7196.0	5354.4	3981.5
-25°	6140.1	6788.0	7279.6	7446.1	7279.6	6788.0	6140.1	5270.7	4178.7	3586.4	2977.3
-27.5°	3770.6	4021.1	4202.7	4296.2	4202.7	4021.1	3770.6	3466.5	3031.5	2774.4	2483.0
-30°	2836.1	2950.4	3018.6	3064.3	3018.6	2950.4	2836.1	2680.1	2492.9	2331.7	2170.1
-32.5°	2328.5	2379.7	2410.5	2431.6	2410.5	2379.7	2328.5	2256.4	2154.8	2054.5	1968.2
-35°	2074.1	2107.4	2130.2	2141.4	2130.2	2107.4	2074.1	2028.1	1969.8	1907.9	1841.1
-37.5°	1920.9	1941.8	1957.0	1965.8	1957.0	1941.8	1920.9	1892.7	1854.8	1812.3	1731.8
-40°	1816.4	1831.1	1843.2	1856.8	1843.2	1831.1	1816.4	1795.5	1751.5	1692.7	1599.7
-42.5°	1721.1	1742.9	1753.8	1756.7	1753.8	1742.9	1721.1	1687.0	1619.0	1534.7	1421.1
-45°	1567.0	1627.6	1664.8	1676.7	1664.8	1627.6	1567.0	1490.2	1389.9	1275.2	1146.9
-47.5°	1242.5	1333.0	1401.4	1443.2	1401.4	1333.0	1242.5	1139.5	1027.5	909.6	789.5
-50°	802.8	822.0	829.5	825.0	829.5	822.0	802.8	781.9	759.5	735.9	713.4
-52.5°	706.2	713.9	720.2	724.9	720.2	713.9	706.2	696.2	683.6	666.9	647.9
-55°	632.2	640.9	649.1	656.0	649.1	640.9	632.2	620.5	605.5	586.0	564.2
-57.5°	539.0	547.8	551.1	550.4	551.1	547.8	539.0	528.0	514.8	498.5	479.7
-60°	452.1	458.3	463.0	465.9	463.0	458.3	452.1	444.1	434.4	421.4	406.3
-62.5°	379.1	384.5	390.6	395.8	390.6	384.5	379.1	371.8	362.6	350.1	335.1
-65°	309.6	315.4	320.0	323.5	320.0	315.4	309.6	302.7	294.4	284.0	271.2
-67.5°	258.7	265.5	270.6	274.6	270.6	265.5	258.7	250.9	242.3	231.7	218.5
-70°	207.5	214.3	218.4	221.3	218.4	214.3	207.5	199.9	191.7	181.7	168.5
-72.5°	146.2	151.1	153.4	154.5	153.4	151.1	146.2	140.3	133.6	124.9	113.0
-75°	73.5	75.9	78.2	80.1	78.2	75.9	73.5	70.7	67.6	63.7	58.3
-77.5°	43.0	45.2	46.6	47.8	46.6	45.2	43.0	40.6	38.2	35.7	32.5
-80°	30.7	32.0	33.3	34.5	33.3	32.0	30.7	29.3	27.9	26.3	24.2
-82.5°	21.0	22.1	22.7	23.3	22.7	22.1	21.0	19.8	18.5	17.3	15.9
-85°	16.6	17.8	18.3	18.9	18.3	17.8	16.6	15.4	14.2	13.0	11.6
-87.5°	13.5	14.6	15.1	15.6	15.1	14.6	13.5	12.4	11.4	10.2	9.1
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.4



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	11.7	9.2	6.7	6.4	6.1	5.9	5.6	5.3	5.0	4.7	4.4
87.5°	1.7	1.9	2.2	2.5	2.8	3.0	3.3	3.3	3.3	3.3	3.3
85°	2.1	2.2	2.2	2.5	2.8	3.0	3.3	3.3	3.3	3.3	3.3
82.5°	2.2	2.2	2.2	2.5	2.8	3.0	3.3	3.4	3.5	3.5	3.5
80°	2.6	2.8	2.9	2.9	3.0	3.2	3.3	3.6	3.9	4.1	4.2
77.5°	2.8	3.1	3.3	3.4	3.5	3.5	3.5	3.6	3.9	4.2	4.4
75°	3.5	3.7	4.0	4.4	4.5	4.4	4.3	4.2	4.2	4.3	4.4
72.5°	6.2	6.2	6.5	7.2	7.5	7.8	7.8	7.2	6.3	5.2	4.4
70°	8.7	9.3	10.6	12.6	13.9	14.5	14.3	13.2	11.3	9.9	7.9
67.5°	9.3	10.4	12.5	14.9	16.8	18.6	20.3	21.7	21.1	19.0	13.7
65°	8.2	9.4	11.0	12.8	15.2	18.2	22.2	24.7	26.1	26.4	21.9
62.5°	6.3	7.6	8.4	9.7	11.5	14.5	19.4	23.7	27.6	28.8	24.5
60°	4.9	5.6	6.2	6.9	7.9	10.7	15.7	21.0	26.5	26.7	24.7
57.5°	4.2	4.6	5.1	5.4	5.6	7.8	11.8	17.0	22.8	22.7	22.1
55°	4.3	4.6	5.0	5.3	5.6	6.5	8.1	11.6	16.3	17.5	17.4
52.5°	4.4	4.7	5.1	5.4	5.6	5.9	6.4	8.4	10.1	12.0	12.8
50°	4.4	4.8	5.2	5.5	5.7	5.7	5.8	6.4	7.4	8.6	9.4
47.5°	5.5	5.4	5.4	5.6	6.0	6.2	6.0	5.9	6.6	6.8	7.6
45°	7.5	7.1	6.5	6.7	6.8	6.9	6.8	7.2	6.9	7.0	6.7
42.5°	15.7	11.7	9.2	9.9	9.4	8.9	8.5	9.2	8.8	8.0	8.6
40°	22.2	24.4	20.7	17.4	15.9	13.1	12.8	12.2	11.7	10.3	11.9
37.5°	27.3	26.7	32.2	33.5	28.3	23.6	20.2	17.6	15.7	16.0	17.0
35°	44.1	42.5	44.2	46.5	45.3	41.4	33.0	26.2	22.9	23.3	23.2
32.5°	70.9	68.1	64.3	64.0	66.5	64.2	54.0	40.5	35.0	32.8	30.9
30°	106.6	100.9	92.0	91.0	95.8	90.6	79.6	70.2	58.0	44.1	39.8
27.5°	165.7	145.4	132.4	136.8	135.4	126.1	118.0	108.4	87.7	66.1	53.5
25°	265.5	226.5	210.8	203.4	189.4	181.2	168.6	151.8	127.3	100.0	87.6
22.5°	407.5	374.3	332.2	288.4	290.5	275.6	235.0	199.9	191.1	191.2	151.1
20°	741.2	626.7	515.5	499.9	476.9	406.1	322.8	317.3	348.3	319.9	236.3
17.5°	1721.4	1187.2	951.6	891.4	764.8	609.2	581.8	552.9	535.3	479.4	338.2
15°	3321.0	2429.4	1804.8	1473.4	1205.6	1049.6	971.3	822.1	751.5	656.7	489.9
12.5°	7430.8	4553.2	2771.1	2244.9	1850.5	1564.7	1401.4	1176.5	997.2	882.8	716.7
10°	12503.0	7659.2	4614.8	3263.6	2597.9	2129.0	1800.6	1501.5	1256.2	1123.8	950.2
7.5°	19532.3	11588.5	6700.5	4279.0	3281.7	2596.0	2126.3	1783.4	1506.2	1358.7	1185.6
5°	25190.3	14624.1	8067.3	5082.3	3875.7	3049.7	2455.1	2037.9	1747.0	1586.9	1416.6
2.5°	28603.5	16267.1	8986.5	5801.8	4392.0	3435.8	2740.2	2230.2	1918.5	1719.8	1534.1
0°	30601.5	17546.2	9892.2	6141.9	4675.3	3659.1	2950.9	2370.5	2053.6	1827.9	1635.5
-2.5°	29353.5	17315.4	9577.4	5938.5	4483.2	3562.0	2921.6	2413.8	2103.7	1865.1	1640.0
-5°	26341.4	15023.3	8490.7	5473.2	4170.5	3345.1	2788.1	2370.8	2091.5	1871.3	1623.5
-7.5°	21787.5	12381.5	7237.5	4909.1	3790.0	3066.5	2584.6	2227.9	1965.3	1773.5	1522.9
-10°	16144.4	9492.9	5898.6	4237.7	3353.4	2767.0	2374.5	2065.5	1836.7	1671.6	1406.8
-12.5°	12128.9	7106.6	4525.7	3501.9	2886.2	2469.2	2176.9	1894.4	1709.4	1568.3	1278.2
-15°	8081.5	5355.0	3824.2	3004.9	2508.3	2208.8	1992.6	1751.1	1613.6	1470.0	1139.4
-17.5°	5949.6	4039.6	3092.9	2585.3	2235.7	2002.0	1823.7	1648.8	1515.9	1345.5	992.0
-20°	4157.9	3217.6	2660.4	2270.6	2008.6	1833.8	1672.4	1541.1	1407.7	1170.7	842.7



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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°	3204.4	2737.0	2341.9	2016.9	1816.5	1680.6	1553.8	1434.3	1290.1	986.2	696.5
-25°	2665.6	2382.2	2118.6	1896.0	1680.3	1539.4	1445.5	1332.5	1112.7	811.9	572.5
-27.5°	2290.5	2109.2	1986.1	1783.0	1588.4	1441.6	1342.6	1217.7	938.4	679.4	548.2
-30°	2030.8	1936.5	1820.5	1649.5	1485.3	1360.7	1256.7	1030.5	784.0	576.7	535.2
-32.5°	1864.7	1781.2	1659.2	1505.3	1380.1	1293.7	1095.2	852.8	629.5	562.1	517.0
-35°	1758.0	1639.3	1503.7	1397.2	1316.2	1137.5	918.6	687.4	585.5	543.7	495.8
-37.5°	1620.0	1494.1	1403.3	1305.8	1141.5	946.4	718.8	615.1	569.1	519.3	467.9
-40°	1490.1	1392.0	1249.7	1103.1	914.7	708.5	642.8	602.7	547.3	489.9	435.7
-42.5°	1293.2	1163.4	1010.9	833.0	690.2	663.5	629.7	575.1	517.3	456.7	402.1
-45°	1005.7	860.8	726.0	698.6	672.2	634.7	594.6	536.1	475.6	419.6	367.0
-47.5°	744.5	717.3	693.8	664.0	625.7	585.7	537.8	485.1	430.8	379.8	338.2
-50°	691.0	664.9	636.5	604.1	562.9	519.5	476.1	432.4	386.2	346.2	306.5
-52.5°	625.7	595.5	563.1	528.6	492.5	453.9	415.1	383.2	347.4	309.0	271.2
-55°	540.2	514.0	485.3	454.8	424.1	396.0	367.1	336.8	304.1	268.4	234.5
-57.5°	458.4	436.1	414.6	392.3	369.3	342.4	314.1	285.8	257.8	226.3	197.1
-60°	389.5	371.3	351.0	329.4	306.8	282.8	258.7	234.0	208.9	188.3	166.9
-62.5°	318.2	299.4	282.8	265.5	245.9	224.3	205.2	189.2	172.7	154.8	134.0
-65°	256.6	240.2	224.2	209.2	194.0	178.5	164.8	149.7	133.9	117.4	99.1
-67.5°	204.2	188.5	174.9	162.3	148.6	133.6	120.1	106.7	94.9	83.1	68.6
-70°	154.8	140.5	127.5	115.2	102.4	90.5	81.0	71.6	61.5	52.4	42.8
-72.5°	100.9	88.9	78.3	69.5	61.2	54.8	48.6	42.0	35.0	27.7	22.3
-75°	52.6	46.5	40.8	36.4	31.6	26.3	23.8	22.5	21.1	19.6	17.9
-77.5°	29.4	26.4	23.9	22.8	21.7	20.5	19.2	18.0	16.7	15.6	14.4
-80°	22.1	20.0	18.1	17.2	16.3	15.5	14.8	13.9	13.0	12.2	11.6
-82.5°	14.6	13.1	11.7	11.4	11.1	10.7	10.3	10.0	9.7	9.4	9.3
-85°	10.2	8.8	7.4	7.3	7.2	7.1	7.0	7.1	7.1	7.0	7.0
-87.5°	8.0	6.9	5.7	5.7	5.7	5.6	5.6	5.5	5.5	5.4	5.2
-90°	1.7	1.9	2.2	2.5	2.8	3.0	3.3	3.3	3.3	3.3	3.3





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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°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	3.5	3.7	3.8	3.9	4.0	4.1	4.3	4.4	4.4	4.4	4.4
85°	3.6	3.9	4.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
82.5°	3.6	3.9	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
80°	4.2	4.2	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
77.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
75°	4.4	4.4	4.4	4.4	4.5	4.4	4.4	4.4	4.4	4.4	4.4
72.5°	4.4	4.4	4.4	4.5	4.7	4.7	4.6	4.4	4.4	4.4	4.4
70°	6.1	4.7	4.4	4.5	4.8	5.1	5.1	4.8	4.4	4.4	4.4
67.5°	9.0	6.9	5.4	4.5	4.5	4.9	5.4	5.3	4.8	4.4	4.4
65°	15.7	10.5	6.6	5.4	4.7	4.5	5.0	5.5	5.3	4.8	4.4
62.5°	20.2	15.5	10.6	7.0	5.2	4.6	4.5	5.2	5.6	5.2	4.6
60°	22.3	17.8	14.2	10.5	6.8	4.7	4.5	4.9	5.4	5.5	5.0
57.5°	20.4	19.0	16.2	13.2	9.6	6.0	4.6	4.8	5.2	5.5	5.3
55°	17.2	16.7	17.1	14.8	11.8	8.2	5.3	4.9	5.2	5.5	5.6
52.5°	12.8	14.6	16.3	15.7	13.0	10.2	7.1	5.0	5.2	5.5	5.6
50°	9.4	12.2	15.2	15.9	14.1	11.3	8.5	6.0	5.3	5.5	5.7
47.5°	8.7	11.0	13.5	16.1	15.1	12.3	9.6	7.0	5.4	5.6	5.7
45°	9.0	10.9	12.8	15.0	16.1	13.2	10.5	7.7	5.9	5.7	5.8
42.5°	9.9	11.7	13.1	14.4	15.4	13.7	11.3	8.4	6.3	5.8	6.0
40°	12.9	13.1	13.9	15.1	14.9	14.1	11.7	9.1	6.5	6.1	6.1
37.5°	16.7	16.1	15.7	17.3	15.5	14.1	11.9	9.7	7.2	6.6	6.3
35°	22.3	20.4	19.5	20.8	18.7	14.5	11.8	10.1	8.4	7.0	6.5
32.5°	28.8	27.5	26.3	24.9	23.1	15.3	12.1	11.1	9.6	7.5	6.7
30°	38.7	40.2	34.7	29.5	28.1	19.4	13.7	12.3	10.8	8.1	7.0
27.5°	60.5	56.9	45.4	36.9	32.4	24.9	17.1	13.7	12.1	8.8	7.4
25°	88.7	79.1	61.9	46.1	37.2	40.4	21.1	15.5	13.3	9.8	7.9
22.5°	122.7	106.3	81.0	56.0	58.7	60.5	29.6	18.6	14.6	10.8	8.3
20°	161.0	137.5	109.3	93.2	85.8	79.8	44.5	22.1	16.0	11.9	8.7
17.5°	209.1	195.8	177.5	141.8	116.6	101.1	61.9	25.9	17.5	12.9	9.1
15°	342.4	285.5	253.2	196.1	149.6	124.0	81.2	29.9	19.0	13.8	9.6
12.5°	503.2	376.9	334.2	254.8	184.2	148.1	101.9	33.9	20.6	14.9	10.2
10°	675.4	469.5	419.0	316.4	219.8	172.9	123.1	38.9	23.2	16.1	10.9
7.5°	853.2	562.5	505.6	379.3	255.1	197.7	146.6	45.8	26.1	17.2	11.5
5°	1013.6	640.9	575.1	432.8	286.8	221.4	169.4	52.7	29.0	18.2	12.1
2.5°	1090.8	695.8	630.2	482.0	317.2	244.2	190.4	59.3	31.8	19.1	12.7
0°	1151.9	748.3	680.5	527.0	345.8	265.7	209.0	65.6	34.5	20.0	13.3
-2.5°	1157.8	747.0	673.7	526.4	356.0	274.3	212.9	75.1	42.4	25.4	15.9
-5°	1145.8	742.7	662.5	521.1	363.9	281.1	214.0	83.9	49.9	30.5	18.3
-7.5°	1078.3	718.0	640.8	510.8	369.3	286.0	212.5	91.9	57.0	35.3	20.6
-10°	985.8	680.5	606.0	487.6	363.2	285.4	208.7	99.1	63.4	39.6	22.6
-12.5°	878.1	642.3	570.8	462.7	353.7	280.0	202.0	105.7	69.1	43.3	24.2
-15°	755.9	603.8	536.5	436.9	342.3	273.7	194.5	111.4	74.3	46.7	25.5
-17.5°	623.9	565.6	504.0	411.2	329.5	266.5	186.7	115.9	78.8	49.9	26.9
-20°	583.8	536.1	473.5	386.1	315.2	258.7	179.1	119.3	82.5	52.3	28.3



REPORT NUMBER: P701349 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	560.9	512.6	446.5	366.7	301.6	250.3	172.0	121.4	85.4	53.9	29.0
-25°	538.7	488.8	420.7	349.7	290.6	238.3	169.4	122.3	87.3	54.5	29.1
-27.5°	513.2	463.5	395.0	331.4	280.0	228.3	169.5	123.9	88.2	54.1	28.4
-30°	486.9	434.4	372.4	313.7	268.3	216.2	167.9	124.5	87.6	53.2	27.1
-32.5°	465.4	406.2	349.7	299.7	254.3	203.4	161.6	124.0	85.6	51.5	26.0
-35°	439.3	381.2	326.7	284.8	239.0	192.9	153.0	122.2	82.2	48.7	24.7
-37.5°	411.3	356.2	309.5	268.4	223.2	180.9	145.2	114.0	77.4	44.8	22.7
-40°	382.2	332.5	291.7	250.7	208.2	167.6	136.3	103.9	71.9	39.9	20.1
-42.5°	351.9	311.1	271.1	232.2	192.1	156.6	126.1	92.8	63.1	35.4	16.8
-45°	326.4	287.1	248.3	211.4	175.2	144.4	112.6	80.8	53.4	30.9	14.4
-47.5°	298.4	260.2	224.0	189.2	160.3	130.3	97.9	69.0	43.0	25.5	13.7
-50°	267.0	231.9	198.4	169.3	143.2	112.7	82.6	56.5	35.5	18.9	12.8
-52.5°	235.3	202.7	174.7	149.7	122.5	94.0	67.7	43.7	27.6	15.9	11.8
-55°	202.4	176.1	152.3	126.9	100.4	75.8	51.9	34.4	19.4	14.4	10.8
-57.5°	173.8	150.9	126.7	102.2	79.1	57.1	39.1	24.9	16.2	12.9	10.1
-60°	145.2	122.1	99.3	78.4	58.0	41.2	28.1	17.6	14.5	11.4	9.4
-62.5°	113.0	92.5	73.4	54.7	40.5	28.6	18.4	15.6	12.6	10.5	8.6
-65°	82.5	65.1	47.8	37.2	26.5	18.5	16.1	13.5	11.4	9.6	7.8
-67.5°	53.4	42.1	31.4	21.8	18.1	16.0	13.8	12.0	10.3	8.6	7.3
-70°	32.9	23.5	19.2	17.2	15.3	13.5	12.2	10.8	9.2	8.0	6.7
-72.5°	20.1	18.0	16.0	14.3	13.1	12.0	10.8	9.6	8.5	7.3	6.1
-75°	16.1	14.7	13.5	12.4	11.4	10.4	9.6	8.8	7.7	6.6	5.9
-77.5°	13.4	12.3	11.4	10.6	9.8	9.1	8.5	7.9	7.0	6.3	5.8
-80°	10.9	10.2	9.4	8.7	8.2	7.8	7.4	7.1	6.4	6.0	5.7
-82.5°	8.7	8.1	7.6	7.2	6.9	6.7	6.4	6.2	5.8	5.6	5.5
-85°	6.7	6.4	6.1	5.9	5.8	5.6	5.5	5.4	5.3	5.2	5.1
-87.5°	5.2	5.2	5.1	5.1	5.0	5.0	5.0	4.9	4.9	4.8	4.8
-90°	3.3	3.3	3.3	3.3	3.6	3.9	4.1	4.4	4.4	4.4	4.4



REPORT NUMBER: P701349 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
85°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
82.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
80°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
77.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
75°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
72.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
70°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
67.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
65°	4.5	4.4	4.4	4.4	4.4	4.4	4.4
62.5°	4.5	4.5	4.4	4.4	4.4	4.4	4.4
60°	4.6	4.6	4.4	4.4	4.4	4.4	4.4
57.5°	4.9	4.8	4.5	4.4	4.4	4.4	4.4
55°	5.1	4.9	4.6	4.4	4.4	4.4	4.4
52.5°	5.3	5.0	4.8	4.4	4.5	4.4	4.4
50°	5.5	5.2	4.9	4.4	4.5	4.4	4.4
47.5°	5.6	5.3	5.0	4.4	4.5	4.4	4.4
45°	5.7	5.4	5.2	4.5	4.5	4.4	4.4
42.5°	5.8	5.5	5.3	4.6	4.6	4.4	4.4
40°	5.9	5.5	5.4	4.8	4.6	4.4	4.4
37.5°	6.1	5.6	5.5	4.9	4.7	4.4	4.4
35°	6.2	5.7	5.5	5.0	4.7	4.4	4.4
32.5°	6.4	5.8	5.6	5.1	4.8	4.4	4.4
30°	6.6	5.9	5.6	5.2	4.8	4.4	4.4
27.5°	6.7	6.0	5.6	5.3	4.9	4.4	4.4
25°	6.9	6.2	5.6	5.4	5.0	4.4	4.4
22.5°	7.1	6.3	5.6	5.4	5.0	4.4	4.4
20°	7.4	6.4	5.6	5.5	5.1	4.4	4.4
17.5°	7.5	6.4	5.6	5.5	5.2	4.4	4.4
15°	7.6	6.5	5.6	5.6	5.2	4.4	4.4
12.5°	7.6	6.6	5.6	5.6	5.3	4.4	4.4
10°	7.7	6.6	5.6	5.6	5.4	4.4	4.4
7.5°	7.7	6.7	5.6	5.6	5.4	4.4	4.4
5°	7.8	6.7	5.6	5.6	5.5	4.4	4.4
2.5°	7.8	6.7	5.6	5.6	5.5	4.4	4.4
0°	7.8	6.7	5.6	5.6	5.6	4.4	4.4
-2.5°	8.8	6.9	5.7	5.6	5.6	4.4	4.4
-5°	9.8	7.2	5.8	5.6	5.6	4.4	4.4
-7.5°	10.7	7.4	5.9	5.6	5.6	4.4	4.4
-10°	11.6	7.5	6.0	5.6	5.6	4.4	4.4
-12.5°	12.3	7.7	6.0	5.6	5.5	4.4	4.4
-15°	12.8	7.8	6.1	5.6	5.5	4.4	4.4
-17.5°	13.2	7.9	6.1	5.6	5.5	4.4	4.4
-20°	13.6	8.0	6.2	5.6	5.5	4.4	4.4



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 CATALOG NUMBER: EPH-LS-08-0320L-40-80-3S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.0	8.0	6.2	5.6	5.4	4.4	4.4
-25°	14.1	8.1	6.2	5.6	5.4	4.4	4.4
-27.5°	13.8	8.1	6.2	5.6	5.3	4.4	4.4
-30°	13.1	8.1	6.1	5.6	5.3	4.4	4.4
-32.5°	11.9	8.1	6.1	5.6	5.2	4.4	4.4
-35°	11.5	7.9	6.1	5.6	5.2	4.4	4.4
-37.5°	11.3	7.8	6.1	5.6	5.1	4.4	4.4
-40°	11.0	7.7	6.0	5.6	5.0	4.4	4.4
-42.5°	10.6	7.6	6.0	5.6	5.0	4.4	4.4
-45°	10.1	7.5	6.0	5.6	4.9	4.4	4.4
-47.5°	9.5	7.3	6.0	5.6	4.8	4.4	4.4
-50°	9.2	7.0	5.9	5.5	4.7	4.4	4.4
-52.5°	8.8	6.8	5.9	5.4	4.7	4.4	4.4
-55°	8.4	6.6	5.8	5.3	4.6	4.4	4.4
-57.5°	7.9	6.4	5.7	5.2	4.5	4.4	4.4
-60°	7.3	6.2	5.6	5.1	4.4	4.4	4.4
-62.5°	7.0	6.0	5.5	5.0	4.4	4.4	4.4
-65°	6.6	5.7	5.4	4.9	4.4	4.4	4.4
-67.5°	6.1	5.6	5.3	4.8	4.4	4.4	4.4
-70°	5.7	5.5	5.2	4.7	4.4	4.4	4.4
-72.5°	5.6	5.4	5.1	4.6	4.4	4.4	4.4
-75°	5.6	5.3	5.0	4.6	4.4	4.4	4.4
-77.5°	5.6	5.3	4.9	4.6	4.4	4.4	4.4
-80°	5.6	5.2	4.8	4.5	4.4	4.4	4.4
-82.5°	5.3	5.0	4.7	4.5	4.4	4.4	4.4
-85°	5.0	4.8	4.6	4.5	4.4	4.4	4.4
-87.5°	4.7	4.6	4.5	4.4	4.4	4.4	4.4
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4

(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

