

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: P701477 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-70-5S-CV5-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701477 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0640L-40-70-5S-CV5-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

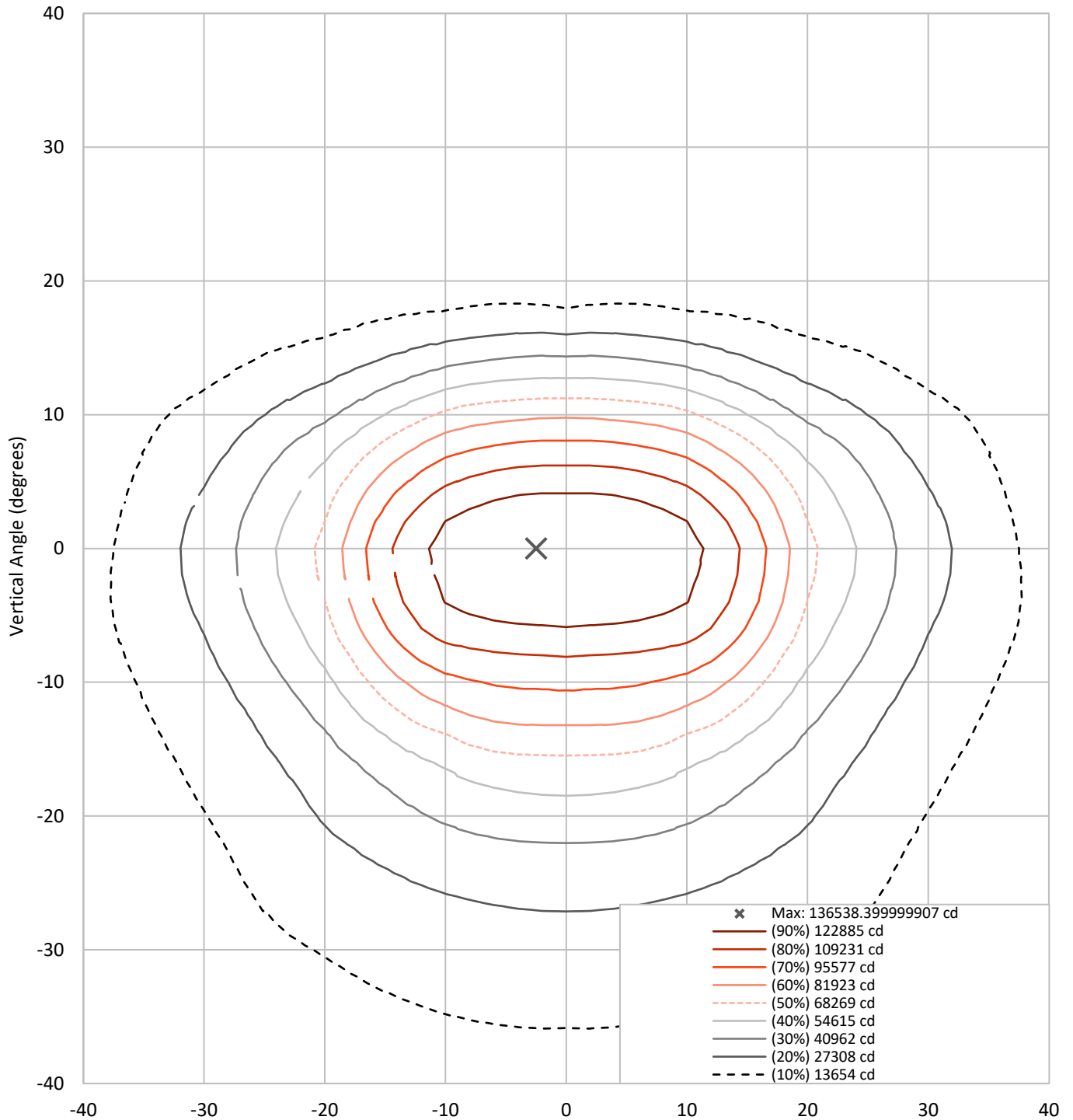
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	54104.2 lumens	Max Intensity:	136538.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	82.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.7°H x 26.5°V	Field Angle (10%):	74.8°H x 54.1°V
Beam Lumens:	26815.2 lumens	Field Lumens:	48500.3 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%

Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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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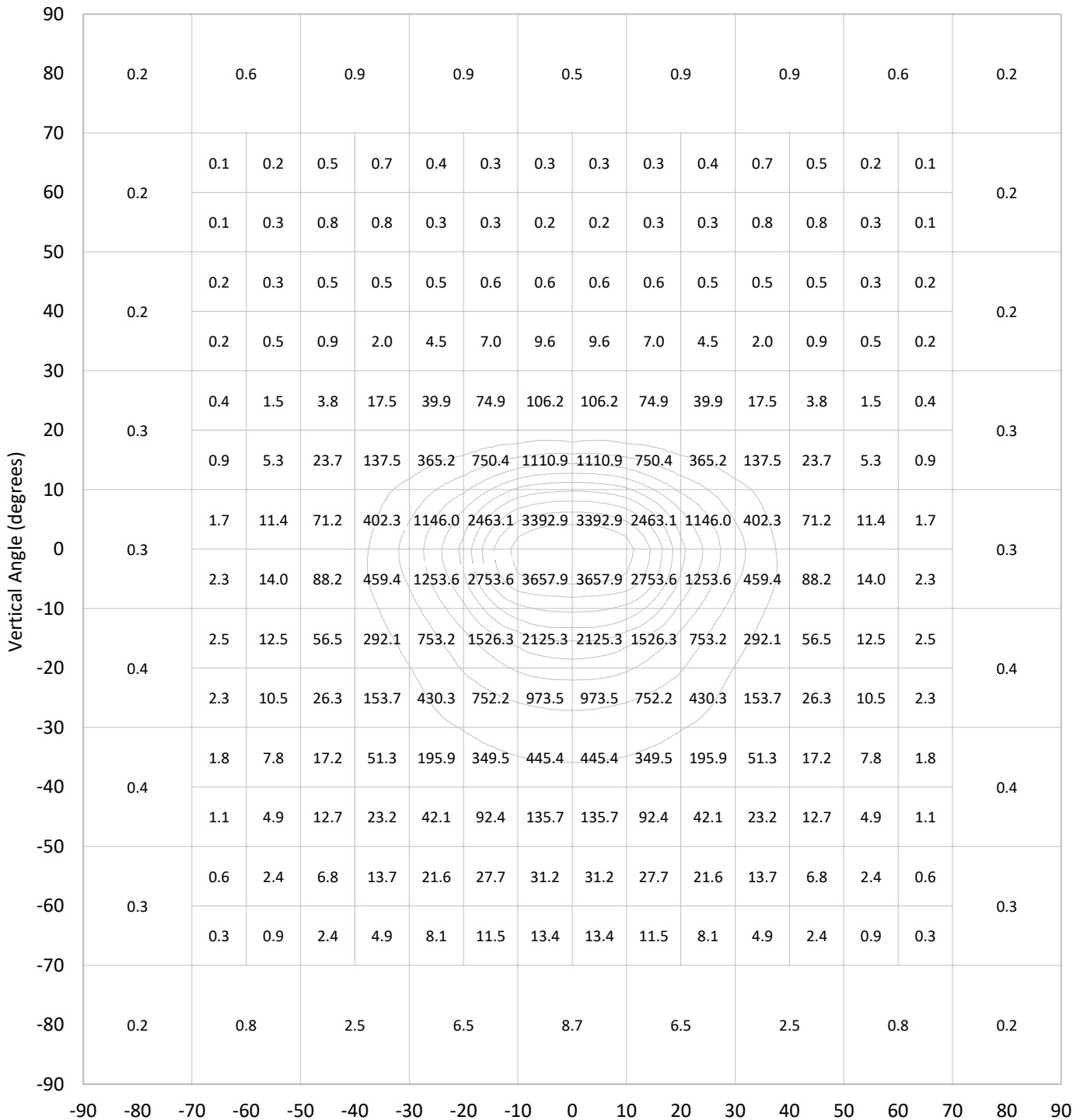
### Iso-Candela Plot





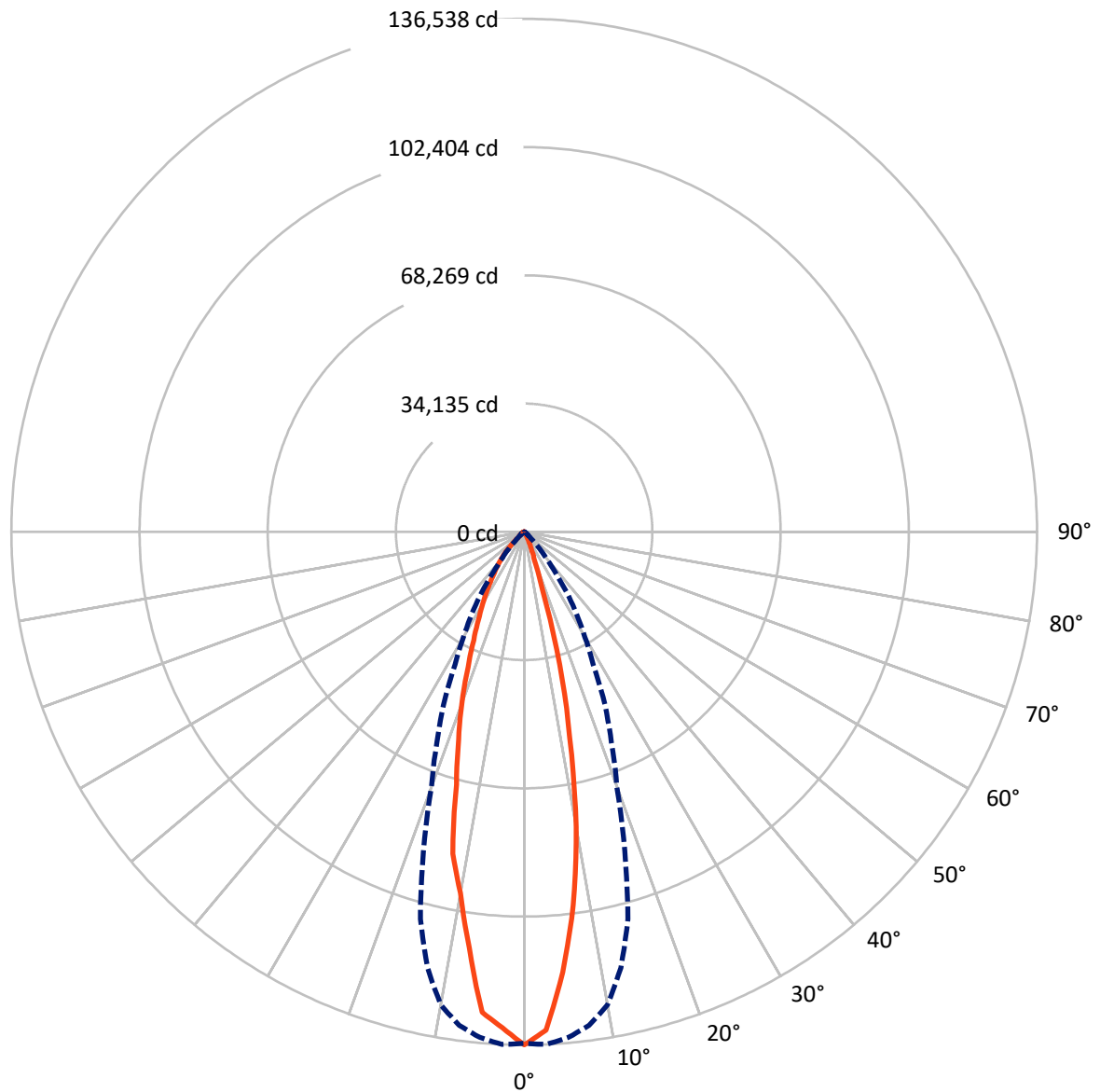
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### Lumen Table



REPORT NUMBER: P701477 (CONVERTED FROM TYPE C PHOTOMETRY)  
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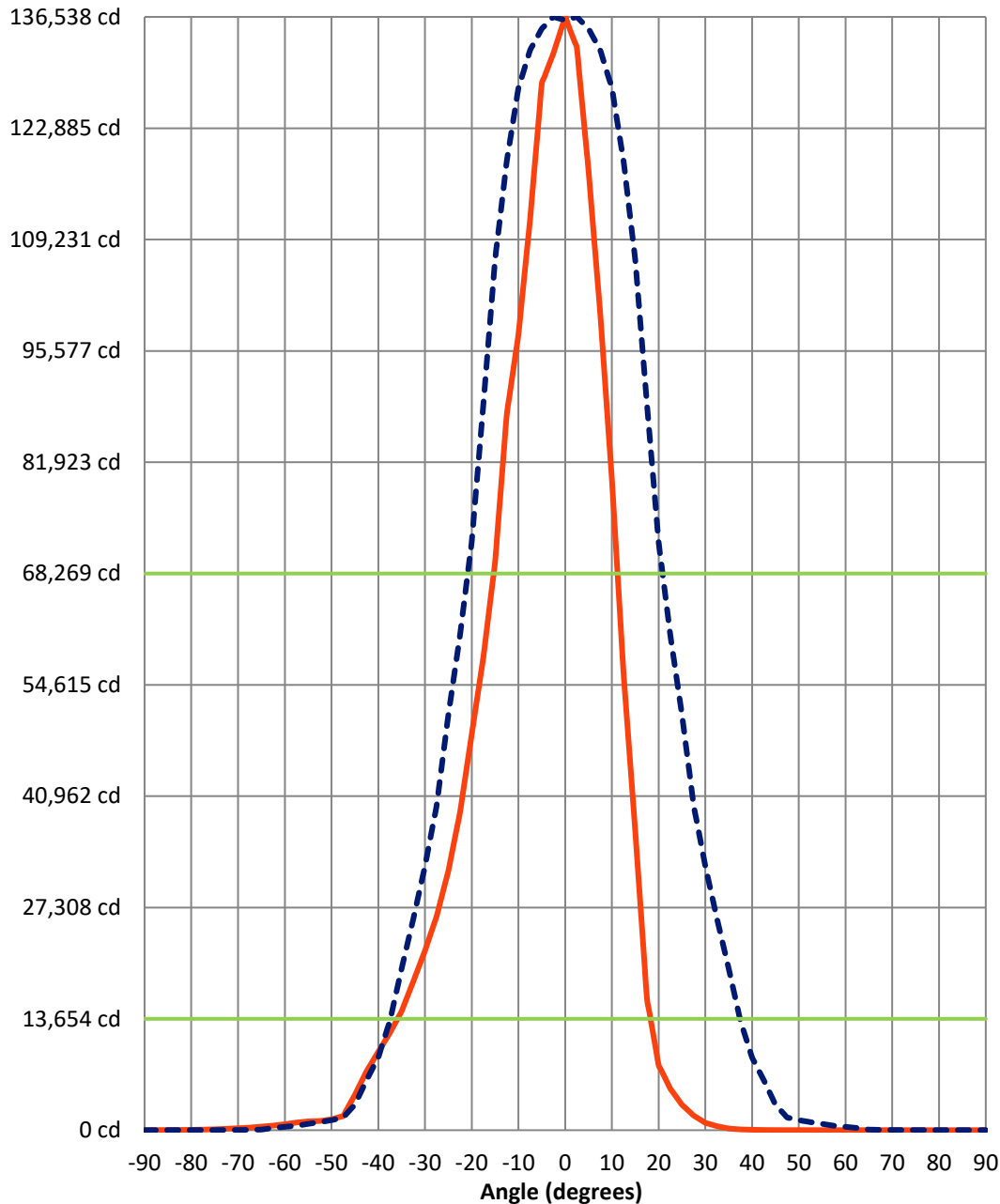
### Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 41.7°  
 V Angle: 26.5°  
 Lumens: 26815.2  
 Efficiency: 49.6%

**Field:**  
 H Angle: 74.8°  
 V Angle: 54.1°  
 Lumens: 48500.3  
 Efficiency: 89.6%

**Spill:**  
 Lumens: 5603.9  
 Efficiency: 10.4%

— Vertical Distribution through -2.5-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°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	8.3	8.3	8.5	8.6	8.7	8.8	8.8	8.8	8.7	8.5	8.3
85°	8.3	8.4	8.7	8.8	9.0	9.2	9.4	9.3	9.0	8.7	8.3
82.5°	8.3	8.4	8.8	9.1	9.4	9.7	9.9	9.7	9.4	9.1	8.9
80°	8.3	8.5	9.0	9.4	9.8	10.1	10.4	10.0	9.8	9.7	9.8
77.5°	8.3	8.5	9.2	9.7	10.1	10.4	10.4	10.2	10.1	10.3	10.4
75°	8.3	8.6	9.3	9.9	10.4	10.4	10.4	10.3	10.4	10.4	10.4
72.5°	8.3	8.6	9.5	10.2	10.4	10.4	10.4	10.4	10.4	10.4	10.4
70°	8.3	8.6	9.6	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
67.5°	8.3	8.7	9.8	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
65°	8.3	8.7	9.9	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
62.5°	8.3	8.7	10.0	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
60°	8.3	8.8	10.1	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
57.5°	8.3	8.8	10.1	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
55°	8.3	8.8	10.1	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
52.5°	8.3	8.8	10.1	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
50°	8.3	8.8	10.0	10.4	10.4	10.4	10.4	10.5	10.4	10.4	11.0
47.5°	8.3	8.8	10.0	10.4	10.4	10.4	10.4	10.7	10.4	10.4	11.7
45°	8.3	8.8	10.0	10.4	10.4	10.4	10.6	10.8	10.6	11.0	12.3
42.5°	8.3	8.8	10.0	10.4	10.4	10.4	10.8	11.1	10.8	11.5	13.1
40°	8.3	8.8	10.0	10.4	10.4	10.4	11.0	11.4	11.3	12.1	13.8
37.5°	8.3	8.8	10.1	10.4	10.4	10.4	11.2	11.7	12.0	12.9	14.3
35°	8.3	8.8	10.1	10.4	10.4	10.5	11.5	12.1	12.7	13.8	14.7
32.5°	8.3	8.8	10.1	10.4	10.4	10.7	11.8	12.5	13.5	14.8	16.0
30°	8.3	8.8	10.1	10.4	10.4	11.0	12.2	13.0	14.1	15.8	17.6
27.5°	8.3	8.7	10.1	10.4	10.4	11.2	12.5	13.5	14.9	16.9	19.4
25°	8.3	8.7	10.2	10.4	10.4	11.4	12.9	14.1	15.8	18.3	21.5
22.5°	8.3	8.7	10.2	10.4	10.4	11.6	13.3	14.7	16.7	19.9	25.2
20°	8.3	8.6	10.2	10.4	10.4	11.8	13.6	15.2	17.6	21.6	29.4
17.5°	8.3	8.6	10.3	10.4	10.4	11.9	13.9	15.7	18.4	23.3	34.0
15°	8.3	8.6	10.3	10.4	10.4	12.1	14.1	16.1	19.3	25.2	39.0
12.5°	8.3	8.5	10.3	10.4	10.4	12.2	14.2	16.2	20.1	27.0	44.0
10°	8.3	8.5	10.3	10.4	10.4	12.2	14.3	16.4	20.7	29.4	49.6
7.5°	8.3	8.4	10.4	10.4	10.4	12.3	14.4	16.5	21.3	32.0	56.3
5°	8.3	8.4	10.4	10.4	10.4	12.4	14.5	16.5	21.9	34.6	62.8
2.5°	8.3	8.3	10.4	10.4	10.4	12.4	14.5	16.6	22.4	37.1	69.0
0°	8.3	8.3	10.4	10.4	10.4	12.4	14.5	16.6	22.4	37.1	69.0
-2.5°	8.3	8.3	10.4	10.4	10.6	12.6	14.8	18.5	28.4	49.5	91.1
-5°	8.3	8.4	10.4	10.4	10.7	12.8	15.0	20.4	33.7	59.1	106.5
-7.5°	8.3	8.4	10.4	10.4	10.9	13.0	15.2	22.0	38.6	67.9	120.4
-10°	8.3	8.5	10.3	10.4	11.1	13.2	15.4	23.4	42.8	75.7	132.6
-12.5°	8.3	8.5	10.3	10.4	11.2	13.3	15.6	24.5	46.3	82.4	142.0
-15°	8.3	8.6	10.3	10.4	11.3	13.4	15.7	25.3	49.2	87.9	148.9
-17.5°	8.3	8.6	10.3	10.4	11.4	13.5	15.8	26.5	51.6	91.9	153.5
-20°	8.3	8.6	10.2	10.4	11.4	13.6	16.3	27.9	53.1	94.3	155.7



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.3	8.7	10.2	10.4	11.5	13.6	17.3	28.9	53.6	94.9	155.3
-25°	8.3	8.7	10.2	10.4	11.5	13.7	17.9	29.4	52.9	93.6	152.1
-27.5°	8.3	8.7	10.1	10.4	11.4	13.7	18.2	29.3	51.1	91.2	150.2
-30°	8.3	8.8	10.1	10.4	11.3	13.6	18.0	28.8	49.9	88.9	145.9
-32.5°	8.3	8.8	10.1	10.4	11.2	13.4	17.5	28.5	49.2	85.0	138.8
-35°	8.3	8.8	10.1	10.4	11.1	13.2	17.1	28.0	47.6	79.4	129.0
-37.5°	8.3	8.8	10.1	10.4	11.0	12.9	16.8	26.8	45.3	72.1	115.6
-40°	8.3	8.8	10.0	10.4	10.8	12.7	16.3	24.9	42.1	67.3	103.0
-42.5°	8.3	8.8	10.0	10.4	10.8	12.5	15.7	22.4	39.0	61.2	89.4
-45°	8.3	8.8	10.0	10.5	10.8	12.2	14.8	20.2	35.3	54.3	75.9
-47.5°	8.3	8.8	10.0	10.5	10.9	12.0	13.9	19.0	30.6	46.7	67.3
-50°	8.3	8.8	10.0	10.5	10.9	11.7	13.4	17.6	24.8	40.0	57.9
-52.5°	8.3	8.8	10.1	10.6	11.0	11.5	13.1	16.0	21.4	32.8	48.0
-55°	8.3	8.8	10.1	10.6	11.0	11.5	12.7	14.3	19.2	25.3	39.5
-57.5°	8.3	8.8	10.1	10.6	11.1	11.5	12.4	13.9	16.9	21.6	30.5
-60°	8.3	8.8	10.1	10.5	11.1	11.6	12.0	13.4	14.9	18.9	23.3
-62.5°	8.3	8.7	10.0	10.5	11.1	11.6	12.1	12.9	14.3	16.2	20.2
-65°	8.3	8.7	9.9	10.5	11.0	11.7	12.1	12.6	13.8	15.1	17.1
-67.5°	8.3	8.7	9.8	10.5	10.8	11.6	12.2	12.6	13.2	14.4	15.7
-70°	8.3	8.6	9.6	10.4	10.7	11.3	12.2	12.5	13.0	13.7	14.9
-72.5°	8.3	8.6	9.5	10.2	10.6	11.1	11.9	12.4	12.7	13.3	14.1
-75°	8.3	8.6	9.3	9.9	10.4	10.8	11.4	12.0	12.4	12.8	13.4
-77.5°	8.3	8.5	9.2	9.7	10.1	10.5	10.9	11.4	11.8	12.2	12.6
-80°	8.3	8.5	9.0	9.4	9.8	10.1	10.5	10.8	11.1	11.4	11.8
-82.5°	8.3	8.4	8.8	9.1	9.4	9.7	9.9	10.2	10.4	10.7	10.9
-85°	8.3	8.4	8.7	8.8	9.0	9.2	9.4	9.6	9.7	9.9	10.1
-87.5°	8.3	8.3	8.5	8.6	8.7	8.8	8.8	8.9	9.0	9.1	9.2
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3





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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
82.5°	8.9	8.8	8.6	8.3	8.3	8.3	8.3	8.5	8.6	8.6	8.5
80°	9.7	9.4	9.1	9.0	9.2	9.5	9.8	10.0	9.9	9.4	8.9
77.5°	10.1	9.9	9.9	10.1	10.4	10.4	10.4	10.4	10.0	9.5	9.0
75°	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.8	10.9	10.7	10.6
72.5°	10.4	10.4	10.4	10.4	10.5	10.7	11.2	12.0	12.4	12.3	12.2
70°	10.4	10.4	10.4	10.4	10.5	11.2	12.3	13.3	14.0	14.3	15.1
67.5°	10.4	10.4	10.4	10.5	11.2	12.4	13.5	15.5	17.9	19.0	20.3
65°	10.4	10.4	10.6	11.3	12.3	13.8	16.0	18.7	24.2	27.3	28.6
62.5°	10.4	10.5	11.1	12.1	13.4	15.3	19.3	25.4	33.1	37.6	37.2
60°	10.4	10.6	11.7	13.0	14.6	17.7	23.5	31.6	42.0	49.6	44.8
57.5°	10.4	11.1	12.5	14.3	16.7	19.4	27.0	37.0	47.4	58.7	50.1
55°	10.7	11.8	13.7	16.3	18.7	21.2	28.3	37.2	48.8	55.0	46.8
52.5°	11.5	12.8	15.4	17.9	20.2	21.8	25.1	33.7	39.9	44.5	39.9
50°	12.2	14.4	17.0	19.0	20.6	20.6	19.8	26.3	31.3	32.8	32.4
47.5°	13.3	15.8	17.7	19.5	19.8	19.4	17.5	20.6	24.0	25.6	24.5
45°	14.4	16.6	18.3	19.0	19.3	18.6	18.0	17.1	20.8	21.6	20.6
42.5°	15.3	17.2	18.5	18.7	19.5	19.9	19.8	19.2	19.6	20.2	19.9
40°	15.8	17.7	18.9	20.5	20.8	22.6	23.9	23.7	20.2	22.3	22.8
37.5°	16.3	18.3	20.5	24.7	24.1	27.1	29.3	32.2	29.4	27.6	30.9
35°	16.7	19.1	26.0	31.1	31.3	33.1	40.4	43.9	41.7	39.4	43.5
32.5°	17.4	20.2	33.3	38.6	41.6	44.6	54.7	56.7	58.6	59.6	62.9
30°	19.2	26.8	41.7	47.1	53.6	64.8	70.2	71.9	79.4	89.6	117.2
27.5°	23.1	35.6	49.7	58.1	68.5	87.4	94.6	95.5	108.1	134.6	201.0
25°	27.8	56.4	58.3	70.7	89.8	112.6	127.4	141.7	146.4	226.2	384.7
22.5°	39.1	83.1	92.6	84.1	112.7	142.0	173.5	213.6	274.3	366.3	601.4
20°	58.8	112.4	135.3	141.2	148.2	175.4	226.9	307.7	497.4	824.9	1137.2
17.5°	81.5	146.1	183.1	213.0	246.8	257.8	291.2	420.1	778.8	1478.6	2297.3
15°	106.5	183.4	234.7	293.5	355.8	403.8	473.8	675.1	1253.7	2381.6	3787.4
12.5°	133.0	223.3	289.2	380.6	472.9	558.6	689.9	1120.4	2093.8	3658.1	5790.7
10°	160.1	264.9	345.5	472.3	595.6	719.7	914.0	1630.1	3087.1	5018.6	7615.7
7.5°	189.8	305.6	401.7	566.1	721.4	884.1	1141.7	2178.4	4115.8	6275.3	9196.7
5°	218.8	343.7	451.5	641.4	824.4	1026.8	1348.3	2734.3	5136.6	7421.7	10630.0
2.5°	245.7	379.4	499.5	709.8	909.1	1131.1	1461.9	2963.6	5724.3	8267.7	12042.9
0°	269.3	412.2	544.7	772.5	987.9	1228.2	1561.7	3129.5	6128.6	8916.4	13421.1
-2.5°	279.5	424.7	567.1	791.6	984.7	1212.7	1562.2	3184.6	6475.1	9686.9	14117.1
-5°	285.8	433.6	585.1	804.0	976.8	1189.8	1547.0	3160.3	6531.9	9864.9	13842.2
-7.5°	288.4	438.7	597.8	806.7	956.9	1144.3	1477.8	2929.4	5912.8	9048.0	12553.0
-10°	287.6	437.3	592.6	781.5	920.5	1083.8	1385.3	2625.3	5196.0	8126.0	11182.6
-12.5°	282.4	430.3	581.0	753.9	885.0	1020.1	1279.1	2250.9	4410.3	7126.6	9870.9
-15°	275.0	420.4	565.6	725.0	852.1	954.7	1159.4	1808.7	3591.4	6230.0	8817.7
-17.5°	265.9	408.0	546.5	696.2	823.4	888.7	1031.5	1366.2	2859.1	5269.6	7757.1
-20°	255.4	393.2	523.9	668.3	796.8	845.3	963.6	1231.8	2260.7	4199.4	6605.9



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	243.8	376.2	500.3	639.2	758.3	822.7	903.9	1089.6	1612.0	3027.8	5362.7
-25°	236.8	358.2	477.3	600.8	719.9	801.1	842.9	953.1	1218.7	2284.7	4051.1
-27.5°	232.2	340.5	446.2	559.5	682.1	774.4	808.9	884.6	1071.2	1513.9	2818.1
-30°	224.0	313.1	412.5	517.2	635.8	732.0	787.3	831.7	944.4	1186.8	1932.9
-32.5°	207.3	284.0	378.7	477.7	584.7	691.4	771.0	813.9	886.7	1012.1	1262.8
-35°	187.5	259.9	344.0	435.6	531.9	641.6	735.0	805.9	840.3	926.8	1087.4
-37.5°	169.3	234.2	307.8	393.5	483.9	584.9	694.0	774.0	831.0	870.7	985.3
-40°	149.3	206.8	275.9	352.5	435.3	528.0	629.2	728.1	804.2	870.1	921.1
-42.5°	128.4	182.8	244.4	310.2	388.3	472.0	561.5	660.1	758.1	847.2	916.1
-45°	112.3	157.0	212.0	273.4	339.9	415.3	497.6	583.7	685.9	788.5	877.7
-47.5°	95.3	131.7	181.5	234.3	293.9	360.2	432.3	513.2	599.6	698.7	803.4
-50°	79.2	112.0	148.5	197.1	248.8	306.3	370.0	441.0	518.6	600.9	691.9
-52.5°	67.8	91.2	123.1	159.9	205.7	254.9	310.4	371.5	438.5	508.7	582.5
-55°	55.4	75.4	98.6	128.8	164.0	206.7	253.3	306.5	360.3	422.6	479.2
-57.5°	44.3	60.6	78.9	100.8	129.3	160.5	201.5	243.8	292.0	340.7	382.4
-60°	33.8	47.1	62.4	79.1	97.6	124.4	151.9	187.2	226.3	263.5	299.3
-62.5°	24.2	35.0	47.5	61.1	76.2	91.7	114.2	139.1	164.0	195.3	224.2
-65°	20.8	24.8	33.9	45.3	56.8	71.4	85.6	99.2	120.1	140.4	159.4
-67.5°	17.2	20.5	24.5	30.2	40.6	52.5	64.3	77.0	89.0	99.5	111.3
-70°	15.8	16.5	19.1	22.8	27.4	34.8	45.3	55.9	66.2	76.2	85.6
-72.5°	14.9	15.5	16.0	16.5	20.2	25.3	30.7	36.6	43.8	51.8	60.1
-75°	14.0	14.4	14.9	15.4	16.5	18.5	21.1	25.7	30.3	34.3	38.1
-77.5°	13.0	13.4	13.8	14.2	15.0	16.2	17.7	19.5	21.8	24.2	26.7
-80°	12.1	12.4	12.7	13.0	13.5	14.1	14.9	15.8	17.2	18.9	20.8
-82.5°	11.2	11.4	11.6	11.8	12.0	12.3	12.5	12.9	13.5	14.2	15.1
-85°	10.2	10.4	10.5	10.7	10.8	11.0	11.1	11.2	11.3	11.5	11.6
-87.5°	9.3	9.3	9.4	9.5	9.6	9.6	9.7	9.8	9.8	9.9	10.0
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



REPORT NUMBER: P701477 (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°	8.3	8.8	9.4	9.9	10.4	11.9	13.5	15.0	16.6	16.1	15.5
87.5°	8.3	7.8	7.3	6.7	6.2	5.7	5.2	4.6	4.1	3.6	3.1
85°	8.3	8.1	8.0	7.9	7.9	7.5	7.0	6.5	6.1	5.1	4.1
82.5°	8.3	8.3	8.3	8.3	8.3	7.8	7.3	6.8	6.2	5.2	4.2
80°	8.4	8.3	8.3	8.3	8.3	7.8	7.3	6.8	6.2	5.3	4.2
77.5°	8.6	8.7	8.7	8.6	8.4	7.9	7.3	6.8	6.3	5.3	4.2
75°	10.4	10.1	9.7	9.2	8.5	7.9	7.4	6.8	6.3	5.7	5.1
72.5°	12.1	11.7	11.0	10.7	10.1	9.7	9.3	8.7	8.0	7.5	7.1
70°	15.9	16.3	15.9	15.1	13.9	12.7	11.9	11.0	10.2	9.3	8.4
67.5°	21.5	21.6	20.5	18.8	16.4	14.2	13.1	12.0	10.9	10.3	10.1
65°	28.3	25.8	23.2	20.4	17.2	14.3	13.2	12.1	11.0	10.4	10.4
62.5°	34.3	27.8	22.4	19.0	16.4	14.3	12.8	11.3	9.9	8.9	8.7
60°	37.0	26.3	18.9	16.5	14.4	12.6	11.2	10.0	9.0	8.2	7.7
57.5°	37.0	25.1	16.0	13.9	12.2	10.8	10.1	9.5	8.9	8.2	7.6
55°	33.7	22.3	13.2	11.9	11.3	10.8	10.2	9.6	9.0	8.3	7.7
52.5°	27.5	19.6	14.0	12.1	11.5	10.9	10.3	9.7	9.1	8.4	7.8
50°	23.9	17.9	14.2	12.2	11.7	11.1	10.5	10.3	10.2	9.8	9.4
47.5°	20.7	16.4	14.1	12.5	12.3	13.1	13.8	13.9	13.6	13.2	12.7
45°	18.1	15.8	14.7	15.4	16.0	17.3	18.0	18.0	18.0	18.1	18.0
42.5°	18.0	18.1	19.3	21.4	21.2	23.9	25.2	22.3	25.5	27.3	25.7
40°	23.9	24.4	30.1	34.8	39.1	39.8	46.5	47.4	48.3	51.2	51.7
37.5°	34.9	41.0	58.7	72.0	77.5	78.0	87.8	89.8	87.0	98.9	102.4
35°	53.4	81.1	109.7	126.3	135.5	142.5	155.8	171.1	163.9	190.2	199.4
32.5°	95.9	146.4	198.5	196.6	214.2	261.4	279.0	306.8	335.8	380.2	428.9
30°	161.3	297.9	358.1	336.2	385.9	453.3	453.8	531.3	639.2	730.9	869.0
27.5°	363.4	516.3	595.1	630.4	668.1	753.3	858.8	957.4	1232.1	1419.9	1617.3
25°	616.8	828.0	912.5	1043.5	1162.5	1241.4	1560.5	1793.4	2188.3	2474.8	2771.4
22.5°	994.7	1273.9	1448.8	1567.3	1968.1	2324.4	2665.3	3172.5	3564.6	4056.2	4426.6
20°	1467.8	1844.9	2486.9	2990.8	3242.5	3999.5	4616.0	5140.2	5835.6	6445.3	6987.4
17.5°	2769.7	2981.5	4323.0	5635.9	6166.6	7145.3	8918.0	9586.9	11589.1	13055.2	13846.9
15°	5015.0	6039.4	7452.4	9641.1	12069.2	13987.2	15667.6	19108.8	22929.1	26315.6	29881.0
12.5°	7930.1	9933.5	12311.6	14989.1	19363.7	22835.2	26553.4	31471.2	37642.6	43013.7	49332.4
10°	10850.6	14235.7	17522.9	21695.0	27220.9	32580.7	37936.2	45725.3	54790.5	63494.1	71019.5
7.5°	13265.3	17854.5	22309.3	28077.1	35603.8	43071.3	50556.5	60858.7	72847.9	82781.3	91320.8
5°	15722.9	21470.2	26695.8	33347.8	42206.3	51301.3	60668.6	73514.4	87675.7	98923.7	107734.4
2.5°	17979.7	24492.2	30540.6	37957.9	47822.6	56721.3	67384.0	83154.1	100028.3	112162.5	121875.6
0°	19802.4	25906.1	32368.2	39832.6	50909.2	60718.2	72144.9	89055.9	106712.6	118836.1	127799.1
-2.5°	19410.1	25583.8	31625.5	39209.5	50329.8	59360.3	70928.3	87567.0	105011.8	117329.2	125379.3
-5°	18185.2	23649.5	29074.1	36196.7	45975.5	54775.2	66103.9	83207.0	99940.4	112500.9	121763.8
-7.5°	16374.1	21013.6	25933.8	32424.0	40936.0	49353.7	59207.1	72837.5	88455.5	99817.0	106531.0
-10°	14467.3	18308.6	22916.5	28401.3	35426.3	42986.9	51170.0	62088.9	75434.2	85397.9	91767.3
-12.5°	12795.9	16124.1	20234.8	24291.3	30022.9	36756.7	44023.0	52958.2	61764.1	72271.0	77777.6
-15°	11256.4	14030.5	17562.8	21452.2	26215.2	31507.6	36714.0	43404.2	49138.7	55701.7	60470.0
-17.5°	9968.3	12183.8	15313.6	19082.9	22669.2	27226.5	32195.0	36726.9	41575.1	46312.8	50266.9
-20°	8804.2	10632.2	13300.8	16619.5	20153.0	24028.3	28412.6	32101.5	36063.1	39663.2	42756.0



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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°	7481.2	9334.8	11401.6	14241.1	17779.8	21254.1	24500.7	27288.5	30282.1	33191.3	35387.4
-25°	6104.4	7883.4	9862.1	12541.8	15440.6	18364.0	20663.3	22626.1	24962.8	27059.2	28943.8
-27.5°	4680.7	6577.4	8711.6	10949.8	13471.3	15329.0	17264.0	19039.1	20815.0	22225.4	23817.0
-30°	3254.0	5323.7	7422.7	9541.1	11268.2	12751.2	14194.3	15822.2	17429.0	18769.6	19892.9
-32.5°	2234.6	3727.5	5845.6	7815.6	9291.9	10552.3	11666.9	13055.0	14300.2	15403.5	16386.3
-35°	1342.2	2393.9	3848.3	5720.5	7335.8	8562.0	9697.3	10749.9	11679.4	12608.6	13347.9
-37.5°	1149.8	1382.8	2264.9	3509.9	5047.1	6531.0	7697.5	8682.7	9548.8	10264.4	10891.7
-40°	1035.4	1173.1	1366.0	1790.8	2922.8	4056.0	5329.1	6452.1	7365.5	8037.7	8583.6
-42.5°	967.9	1056.2	1150.5	1301.9	1470.1	2008.0	2982.1	3912.5	4715.3	5459.9	6099.0
-45°	956.4	993.8	1044.5	1129.8	1207.5	1346.9	1499.1	1647.9	2279.4	2877.8	3368.8
-47.5°	884.7	961.0	1007.5	1045.8	1086.4	1152.4	1216.7	1285.6	1400.4	1508.2	1600.7
-50°	780.2	862.2	932.6	1001.5	1037.5	1064.3	1090.8	1125.1	1169.9	1210.8	1248.4
-52.5°	651.9	730.9	809.9	883.1	940.5	993.2	1040.5	1062.7	1079.6	1095.0	1107.1
-55°	538.0	600.4	662.6	729.6	795.8	858.8	913.3	949.2	981.6	1010.3	1034.7
-57.5°	430.7	479.3	529.9	584.4	637.3	688.1	736.6	780.8	820.1	854.3	883.0
-60°	333.7	366.4	408.7	451.9	493.1	532.1	571.4	607.1	639.4	667.9	690.1
-62.5°	250.4	277.6	309.7	340.2	367.2	396.3	433.0	463.7	488.9	509.3	527.2
-65°	179.9	202.6	228.4	254.0	279.0	303.9	329.6	354.3	377.9	396.7	410.0
-67.5°	127.7	143.8	162.0	177.8	196.5	218.4	241.6	262.9	282.2	295.5	303.6
-70°	94.1	103.5	116.7	131.9	147.6	162.1	176.9	191.6	206.2	216.5	224.2
-72.5°	68.7	78.0	87.7	97.5	108.0	118.8	129.5	140.5	151.4	158.2	162.9
-75°	41.6	47.1	55.5	63.7	71.7	79.1	86.1	92.7	98.8	102.0	104.1
-77.5°	29.8	33.7	37.9	42.2	46.5	50.9	55.3	59.7	64.0	65.9	67.4
-80°	22.8	25.0	27.3	29.8	32.4	35.0	37.7	40.4	43.1	43.6	43.6
-82.5°	16.1	17.7	19.4	20.9	22.5	23.9	25.4	26.8	28.1	28.4	28.6
-85°	11.7	12.6	13.6	14.7	15.8	16.9	18.0	19.1	20.3	20.4	20.5
-87.5°	10.0	10.6	11.1	11.7	12.2	12.8	13.4	14.0	14.6	14.5	14.5
-90°	8.3	7.8	7.3	6.7	6.2	5.7	5.2	4.6	4.1	3.6	3.1



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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°	15.0	14.5	14.5	14.5	14.5	14.5	15.0	15.5	16.1	16.6	15.0
87.5°	2.6	2.1	1.1	0.0	1.1	2.1	2.6	3.1	3.6	4.1	4.6
85°	3.1	2.1	2.1	2.1	2.1	2.1	3.1	4.1	5.1	6.1	6.5
82.5°	3.2	2.1	2.1	2.1	2.1	2.1	3.2	4.2	5.2	6.2	6.8
80°	3.2	2.1	2.1	2.1	2.1	2.1	3.2	4.2	5.3	6.2	6.8
77.5°	3.2	2.1	2.1	2.1	2.1	2.1	3.2	4.2	5.3	6.3	6.8
75°	4.6	4.1	3.1	2.1	3.1	4.1	4.6	5.1	5.7	6.3	6.8
72.5°	6.7	6.2	6.2	6.2	6.2	6.2	6.7	7.1	7.5	8.0	8.7
70°	7.4	6.3	6.2	6.2	6.2	6.3	7.4	8.4	9.3	10.2	11.0
67.5°	10.2	10.3	9.4	8.3	9.4	10.3	10.2	10.1	10.3	10.9	12.0
65°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	11.0	12.1
62.5°	8.5	8.4	8.3	8.3	8.3	8.4	8.5	8.7	8.9	9.9	11.3
60°	7.1	6.5	6.2	6.2	6.2	6.5	7.1	7.7	8.2	9.0	10.0
57.5°	7.0	6.4	6.2	6.2	6.2	6.4	7.0	7.6	8.2	8.9	9.5
55°	7.1	6.4	6.2	6.2	6.2	6.4	7.1	7.7	8.3	9.0	9.6
52.5°	7.1	6.5	7.0	8.3	7.0	6.5	7.1	7.8	8.4	9.1	9.7
50°	9.0	8.5	8.3	8.3	8.3	8.5	9.0	9.4	9.8	10.2	10.3
47.5°	11.9	10.9	10.4	10.4	10.4	10.9	11.9	12.7	13.2	13.6	13.9
45°	16.9	15.4	14.4	14.5	14.4	15.4	16.9	18.0	18.1	18.0	18.0
42.5°	25.4	24.9	24.7	24.9	24.7	24.9	25.4	25.7	27.3	25.5	22.3
40°	54.6	55.4	55.1	55.9	55.1	55.4	54.6	51.7	51.2	48.3	47.4
37.5°	102.8	99.4	94.2	95.3	94.2	99.4	102.8	102.4	98.9	87.0	89.8
35°	200.6	205.7	205.4	207.1	205.4	205.7	200.6	199.4	190.2	163.9	171.1
32.5°	464.0	488.7	489.3	499.2	489.3	488.7	464.0	428.9	380.2	335.8	306.8
30°	911.7	931.3	901.7	915.5	901.7	931.3	911.7	869.0	730.9	639.2	531.3
27.5°	1719.9	1792.4	1791.6	1760.5	1791.6	1792.4	1719.9	1617.3	1419.9	1232.1	957.4
25°	3020.9	3132.9	3112.2	3075.7	3112.2	3132.9	3020.9	2771.4	2474.8	2188.3	1793.4
22.5°	4763.0	4948.0	5096.1	4999.8	5096.1	4948.0	4763.0	4426.6	4056.2	3564.6	3172.5
20°	7785.2	7838.0	7995.2	7938.8	7995.2	7838.0	7785.2	6987.4	6445.3	5835.6	5140.2
17.5°	15992.0	16565.7	16166.5	14951.7	16166.5	16565.7	15992.0	13846.9	13055.2	11589.1	9586.9
15°	32385.5	34790.1	36657.3	35632.3	36657.3	34790.1	32385.5	29881.0	26315.6	22929.1	19108.8
12.5°	53035.4	54809.8	55996.8	56084.0	55996.8	54809.8	53035.4	49332.4	43013.7	37642.6	31471.2
10°	76122.6	77690.3	79790.5	80085.7	79790.5	77690.3	76122.6	71019.5	63494.1	54790.5	45725.3
7.5°	95558.8	98738.1	100210.2	100012.4	100210.2	98738.1	95558.8	91320.8	82781.3	72847.9	60858.7
5°	112941.2	116235.2	117677.8	117917.6	117677.8	116235.2	112941.2	107734.4	98923.7	87675.7	73514.4
2.5°	127693.6	131019.0	132752.4	132277.0	132752.4	131019.0	127693.6	121875.6	112162.5	100028.3	83154.1
0°	132466.4	135085.5	136538.4	136139.7	136538.4	135085.5	132466.4	127799.1	118836.1	106712.6	89055.9
-2.5°	129432.4	131010.5	132105.5	131682.5	132105.5	131010.5	129432.4	125379.3	117329.2	105011.8	87567.0
-5°	126069.9	127942.5	128352.2	128853.3	128352.2	127942.5	126069.9	121763.8	112500.9	99940.4	83207.0
-7.5°	109084.9	111088.1	111749.6	112752.0	111749.6	111088.1	109084.9	106531.0	99817.0	88455.5	72837.5
-10°	95233.2	97479.9	97588.2	98206.3	97588.2	97479.9	95233.2	91767.3	85397.9	75434.2	62088.9
-12.5°	83630.5	86722.2	87748.1	87502.6	87748.1	86722.2	83630.5	77777.6	72271.0	61764.1	52958.2
-15°	66818.2	69459.3	69647.7	69771.3	69647.7	69459.3	66818.2	60470.0	55701.7	49138.7	43404.2
-17.5°	54462.9	57029.3	58018.6	58326.0	58018.6	57029.3	54462.9	50266.9	46312.8	41575.1	36726.9
-20°	45410.9	47321.6	48530.1	49030.7	48530.1	47321.6	45410.9	42756.0	39663.2	36063.1	32101.5



REPORT NUMBER: P701477 (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°	37306.9	38518.1	38959.8	39070.4	38959.8	38518.1	37306.9	35387.4	33191.3	30282.1	27288.5
-25°	30267.6	31229.6	31788.8	32022.3	31788.8	31229.6	30267.6	28943.8	27059.2	24962.8	22626.1
-27.5°	24849.3	25705.4	26243.7	26326.6	26243.7	25705.4	24849.3	23817.0	22225.4	20815.0	19039.1
-30°	20752.9	21504.9	22007.9	22144.9	22007.9	21504.9	20752.9	19892.9	18769.6	17429.0	15822.2
-32.5°	17196.0	17839.5	18234.2	18404.4	18234.2	17839.5	17196.0	16386.3	15403.5	14300.2	13055.0
-35°	13899.7	14332.3	14585.2	14502.3	14585.2	14332.3	13899.7	13347.9	12608.6	11679.4	10749.9
-37.5°	11394.7	11742.8	11932.2	11942.3	11932.2	11742.8	11394.7	10891.7	10264.4	9548.8	8682.7
-40°	9035.7	9389.3	9602.3	9614.3	9602.3	9389.3	9035.7	8583.6	8037.7	7365.5	6452.1
-42.5°	6607.3	6969.3	7216.5	7377.5	7216.5	6969.3	6607.3	6099.0	5459.9	4715.3	3912.5
-45°	3778.5	4091.2	4329.6	4502.7	4329.6	4091.2	3778.5	3368.8	2877.8	2279.4	1647.9
-47.5°	1669.9	1720.6	1742.7	1735.6	1742.7	1720.6	1669.9	1600.7	1508.2	1400.4	1285.6
-50°	1282.9	1312.9	1327.9	1327.6	1327.9	1312.9	1282.9	1248.4	1210.8	1169.9	1125.1
-52.5°	1116.6	1124.2	1128.7	1130.9	1128.7	1124.2	1116.6	1107.1	1095.0	1079.6	1062.7
-55°	1054.9	1070.7	1076.6	1074.9	1076.6	1070.7	1054.9	1034.7	1010.3	981.6	949.2
-57.5°	907.3	926.8	939.8	946.5	939.8	926.8	907.3	883.0	854.3	820.1	780.8
-60°	706.9	718.5	725.8	729.0	725.8	718.5	706.9	690.1	667.9	639.4	607.1
-62.5°	543.0	556.2	562.8	565.4	562.8	556.2	543.0	527.2	509.3	488.9	463.7
-65°	421.7	431.4	436.7	439.1	436.7	431.4	421.7	410.0	396.7	377.9	354.3
-67.5°	309.7	314.0	316.2	316.9	316.2	314.0	309.7	303.6	295.5	282.2	262.9
-70°	231.3	237.7	241.7	244.4	241.7	237.7	231.3	224.2	216.5	206.2	191.6
-72.5°	166.8	170.0	172.5	174.0	172.5	170.0	166.8	162.9	158.2	151.4	140.5
-75°	105.7	106.8	107.5	107.7	107.5	106.8	105.7	104.1	102.0	98.8	92.7
-77.5°	68.7	69.9	71.3	72.5	71.3	69.9	68.7	67.4	65.9	64.0	59.7
-80°	43.5	43.3	43.4	43.5	43.4	43.3	43.5	43.6	43.6	43.1	40.4
-82.5°	28.8	28.9	29.0	29.0	29.0	28.9	28.8	28.6	28.4	28.1	26.8
-85°	20.6	20.7	20.7	20.7	20.7	20.7	20.6	20.5	20.4	20.3	19.1
-87.5°	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.6	14.0
-90°	2.6	2.1	1.0	0.0	1.0	2.1	2.6	3.1	3.6	4.1	4.6



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	13.5	11.9	10.4	9.9	9.4	8.8	8.3	8.3	8.3	8.3	8.3
87.5°	5.2	5.7	6.2	6.7	7.3	7.8	8.3	8.3	8.3	8.3	8.3
85°	7.0	7.5	7.9	7.9	8.0	8.1	8.3	8.3	8.3	8.3	8.3
82.5°	7.3	7.8	8.3	8.3	8.3	8.3	8.3	8.5	8.6	8.6	8.5
80°	7.3	7.8	8.3	8.3	8.3	8.3	8.4	8.9	9.4	9.9	10.0
77.5°	7.3	7.9	8.4	8.6	8.7	8.7	8.6	9.0	9.5	10.0	10.4
75°	7.4	7.9	8.5	9.2	9.7	10.1	10.4	10.6	10.7	10.9	10.8
72.5°	9.3	9.7	10.1	10.7	11.0	11.7	12.1	12.2	12.3	12.4	12.0
70°	11.9	12.7	13.9	15.1	15.9	16.3	15.9	15.1	14.3	14.0	13.3
67.5°	13.1	14.2	16.4	18.8	20.5	21.6	21.5	20.3	19.0	17.9	15.5
65°	13.2	14.3	17.2	20.4	23.2	25.8	28.3	28.6	27.3	24.2	18.7
62.5°	12.8	14.3	16.4	19.0	22.4	27.8	34.3	37.2	37.6	33.1	25.4
60°	11.2	12.6	14.4	16.5	18.9	26.3	37.0	44.8	49.6	42.0	31.6
57.5°	10.1	10.8	12.2	13.9	16.0	25.1	37.0	50.1	58.7	47.4	37.0
55°	10.2	10.8	11.3	11.9	13.2	22.3	33.7	46.8	55.0	48.8	37.2
52.5°	10.3	10.9	11.5	12.1	14.0	19.6	27.5	39.9	44.5	39.9	33.7
50°	10.5	11.1	11.7	12.2	14.2	17.9	23.9	32.4	32.8	31.3	26.3
47.5°	13.8	13.1	12.3	12.5	14.1	16.4	20.7	24.5	25.6	24.0	20.6
45°	18.0	17.3	16.0	15.4	14.7	15.8	18.1	20.6	21.6	20.8	17.1
42.5°	25.2	23.9	21.2	21.4	19.3	18.1	18.0	19.9	20.2	19.6	19.2
40°	46.5	39.8	39.1	34.8	30.1	24.4	23.9	22.8	22.3	20.2	23.7
37.5°	87.8	78.0	77.5	72.0	58.7	41.0	34.9	30.9	27.6	29.4	32.2
35°	155.8	142.5	135.5	126.3	109.7	81.1	53.4	43.5	39.4	41.7	43.9
32.5°	279.0	261.4	214.2	196.6	198.5	146.4	95.9	62.9	59.6	58.6	56.7
30°	453.8	453.3	385.9	336.2	358.1	297.9	161.3	117.2	89.6	79.4	71.9
27.5°	858.8	753.3	668.1	630.4	595.1	516.3	363.4	201.0	134.6	108.1	95.5
25°	1560.5	1241.4	1162.5	1043.5	912.5	828.0	616.8	384.7	226.2	146.4	141.7
22.5°	2665.3	2324.4	1968.1	1567.3	1448.8	1273.9	994.7	601.4	366.3	274.3	213.6
20°	4616.0	3999.5	3242.5	2990.8	2486.9	1844.9	1467.8	1137.2	824.9	497.4	307.7
17.5°	8918.0	7145.3	6166.6	5635.9	4323.0	2981.5	2769.7	2297.3	1478.6	778.8	420.1
15°	15667.6	13987.2	12069.2	9641.1	7452.4	6039.4	5015.0	3787.4	2381.6	1253.7	675.1
12.5°	26553.4	22835.2	19363.7	14989.1	12311.6	9933.5	7930.1	5790.7	3658.1	2093.8	1120.4
10°	37936.2	32580.7	27220.9	21695.0	17522.9	14235.7	10850.6	7615.7	5018.6	3087.1	1630.1
7.5°	50556.5	43071.3	35603.8	28077.1	22309.3	17854.5	13265.3	9196.7	6275.3	4115.8	2178.4
5°	60668.6	51301.3	42206.3	33347.8	26695.8	21470.2	15722.9	10630.0	7421.7	5136.6	2734.3
2.5°	67384.0	56721.3	47822.6	37957.9	30540.6	24492.2	17979.7	12042.9	8267.7	5724.3	2963.6
0°	72144.9	60718.2	50909.2	39832.6	32368.2	25906.1	19802.4	13421.1	8916.4	6128.6	3129.5
-2.5°	70928.3	59360.3	50329.8	39209.5	31625.5	25583.8	19410.1	14117.1	9686.9	6475.1	3184.6
-5°	66103.9	54775.2	45975.5	36196.7	29074.1	23649.5	18185.2	13842.2	9864.9	6531.9	3160.3
-7.5°	59207.1	49353.7	40936.0	32424.0	25933.8	21013.6	16374.1	12553.0	9048.0	5912.8	2929.4
-10°	51170.0	42986.9	35426.3	28401.3	22916.5	18308.6	14467.3	11182.6	8126.0	5196.0	2625.3
-12.5°	44023.0	36756.7	30022.9	24291.3	20234.8	16124.1	12795.9	9870.9	7126.6	4410.3	2250.9
-15°	36714.0	31507.6	26215.2	21452.2	17562.8	14030.5	11256.4	8817.7	6230.0	3591.4	1808.7
-17.5°	32195.0	27226.5	22669.2	19082.9	15313.6	12183.8	9968.3	7757.1	5269.6	2859.1	1366.2
-20°	28412.6	24028.3	20153.0	16619.5	13300.8	10632.2	8804.2	6605.9	4199.4	2260.7	1231.8





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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°	24500.7	21254.1	17779.8	14241.1	11401.6	9334.8	7481.2	5362.7	3027.8	1612.0	1089.6
-25°	20663.3	18364.0	15440.6	12541.8	9862.1	7883.4	6104.4	4051.1	2284.7	1218.7	953.1
-27.5°	17264.0	15329.0	13471.3	10949.8	8711.6	6577.4	4680.7	2818.1	1513.9	1071.2	884.6
-30°	14194.3	12751.2	11268.2	9541.1	7422.7	5323.7	3254.0	1932.9	1186.8	944.4	831.7
-32.5°	11666.9	10552.3	9291.9	7815.6	5845.6	3727.5	2234.6	1262.8	1012.1	886.7	813.9
-35°	9697.3	8562.0	7335.8	5720.5	3848.3	2393.9	1342.2	1087.4	926.8	840.3	805.9
-37.5°	7697.5	6531.0	5047.1	3509.9	2264.9	1382.8	1149.8	985.3	870.7	831.0	774.0
-40°	5329.1	4056.0	2922.8	1790.8	1366.0	1173.1	1035.4	921.1	870.1	804.2	728.1
-42.5°	2982.1	2008.0	1470.1	1301.9	1150.5	1056.2	967.9	916.1	847.2	758.1	660.1
-45°	1499.1	1346.9	1207.5	1129.8	1044.5	993.8	956.4	877.7	788.5	685.9	583.7
-47.5°	1216.7	1152.4	1086.4	1045.8	1007.5	961.0	884.7	803.4	698.7	599.6	513.2
-50°	1090.8	1064.3	1037.5	1001.5	932.6	862.2	780.2	691.9	600.9	518.6	441.0
-52.5°	1040.5	993.2	940.5	883.1	809.9	730.9	651.9	582.5	508.7	438.5	371.5
-55°	913.3	858.8	795.8	729.6	662.6	600.4	538.0	479.2	422.6	360.3	306.5
-57.5°	736.6	688.1	637.3	584.4	529.9	479.3	430.7	382.4	340.7	292.0	243.8
-60°	571.4	532.1	493.1	451.9	408.7	366.4	333.7	299.3	263.5	226.3	187.2
-62.5°	433.0	396.3	367.2	340.2	309.7	277.6	250.4	224.2	195.3	164.0	139.1
-65°	329.6	303.9	279.0	254.0	228.4	202.6	179.9	159.4	140.4	120.1	99.2
-67.5°	241.6	218.4	196.5	177.8	162.0	143.8	127.7	111.3	99.5	89.0	77.0
-70°	176.9	162.1	147.6	131.9	116.7	103.5	94.1	85.6	76.2	66.2	55.9
-72.5°	129.5	118.8	108.0	97.5	87.7	78.0	68.7	60.1	51.8	43.8	36.6
-75°	86.1	79.1	71.7	63.7	55.5	47.1	41.6	38.1	34.3	30.3	25.7
-77.5°	55.3	50.9	46.5	42.2	37.9	33.7	29.8	26.7	24.2	21.8	19.5
-80°	37.7	35.0	32.4	29.8	27.3	25.0	22.8	20.8	18.9	17.2	15.8
-82.5°	25.4	23.9	22.5	20.9	19.4	17.7	16.1	15.1	14.2	13.5	12.9
-85°	18.0	16.9	15.8	14.7	13.6	12.6	11.7	11.6	11.5	11.3	11.2
-87.5°	13.4	12.8	12.2	11.7	11.1	10.6	10.0	10.0	9.9	9.8	9.8
-90°	5.2	5.7	6.2	6.7	7.3	7.8	8.3	8.3	8.3	8.3	8.3





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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°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.5	8.7	8.8
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.7	9.0	9.3
82.5°	8.3	8.3	8.3	8.3	8.6	8.8	8.9	8.9	9.1	9.4	9.7
80°	9.8	9.5	9.2	9.0	9.1	9.4	9.7	9.8	9.7	9.8	10.0
77.5°	10.4	10.4	10.4	10.1	9.9	9.9	10.1	10.4	10.3	10.1	10.2
75°	10.4	10.4	10.4	10.4	10.4	10.4	10.3	10.4	10.4	10.4	10.3
72.5°	11.2	10.7	10.5	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
70°	12.3	11.2	10.5	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
67.5°	13.5	12.4	11.2	10.5	10.4	10.4	10.4	10.4	10.4	10.4	10.4
65°	16.0	13.8	12.3	11.3	10.6	10.4	10.4	10.4	10.4	10.4	10.4
62.5°	19.3	15.3	13.4	12.1	11.1	10.5	10.4	10.4	10.4	10.4	10.4
60°	23.5	17.7	14.6	13.0	11.7	10.6	10.4	10.4	10.4	10.4	10.4
57.5°	27.0	19.4	16.7	14.3	12.5	11.1	10.4	10.4	10.4	10.4	10.4
55°	28.3	21.2	18.7	16.3	13.7	11.8	10.7	10.4	10.4	10.4	10.4
52.5°	25.1	21.8	20.2	17.9	15.4	12.8	11.5	10.4	10.4	10.4	10.4
50°	19.8	20.6	20.6	19.0	17.0	14.4	12.2	11.0	10.4	10.4	10.5
47.5°	17.5	19.4	19.8	19.5	17.7	15.8	13.3	11.7	10.4	10.4	10.7
45°	18.0	18.6	19.3	19.0	18.3	16.6	14.4	12.3	11.0	10.6	10.8
42.5°	19.8	19.9	19.5	18.7	18.5	17.2	15.3	13.1	11.5	10.8	11.1
40°	23.9	22.6	20.8	20.5	18.9	17.7	15.8	13.8	12.1	11.3	11.4
37.5°	29.3	27.1	24.1	24.7	20.5	18.3	16.3	14.3	12.9	12.0	11.7
35°	40.4	33.1	31.3	31.1	26.0	19.1	16.7	14.7	13.8	12.7	12.1
32.5°	54.7	44.6	41.6	38.6	33.3	20.2	17.4	16.0	14.8	13.5	12.5
30°	70.2	64.8	53.6	47.1	41.7	26.8	19.2	17.6	15.8	14.1	13.0
27.5°	94.6	87.4	68.5	58.1	49.7	35.6	23.1	19.4	16.9	14.9	13.5
25°	127.4	112.6	89.8	70.7	58.3	56.4	27.8	21.5	18.3	15.8	14.1
22.5°	173.5	142.0	112.7	84.1	92.6	83.1	39.1	25.2	19.9	16.7	14.7
20°	226.9	175.4	148.2	141.2	135.3	112.4	58.8	29.4	21.6	17.6	15.2
17.5°	291.2	257.8	246.8	213.0	183.1	146.1	81.5	34.0	23.3	18.4	15.7
15°	473.8	403.8	355.8	293.5	234.7	183.4	106.5	39.0	25.2	19.3	16.1
12.5°	689.9	558.6	472.9	380.6	289.2	223.3	133.0	44.0	27.0	20.1	16.2
10°	914.0	719.7	595.6	472.3	345.5	264.9	160.1	49.6	29.4	20.7	16.4
7.5°	1141.7	884.1	721.4	566.1	401.7	305.6	189.8	56.3	32.0	21.3	16.5
5°	1348.3	1026.8	824.4	641.4	451.5	343.7	218.8	62.8	34.6	21.9	16.5
2.5°	1461.9	1131.1	909.1	709.8	499.5	379.4	245.7	69.0	37.1	22.4	16.6
0°	1561.7	1228.2	987.9	772.5	544.7	412.2	269.3	74.6	39.4	22.8	16.6
-2.5°	1562.2	1212.7	984.7	791.6	567.1	424.7	279.5	91.1	49.5	28.4	18.5
-5°	1547.0	1189.8	976.8	804.0	585.1	433.6	285.8	106.5	59.1	33.7	20.4
-7.5°	1477.8	1144.3	956.9	806.7	597.8	438.7	288.4	120.4	67.9	38.6	22.0
-10°	1385.3	1083.8	920.5	781.5	592.6	437.3	287.6	132.6	75.7	42.8	23.4
-12.5°	1279.1	1020.1	885.0	753.9	581.0	430.3	282.4	142.0	82.4	46.3	24.5
-15°	1159.4	954.7	852.1	725.0	565.6	420.4	275.0	148.9	87.9	49.2	25.3
-17.5°	1031.5	888.7	823.4	696.2	546.5	408.0	265.9	153.5	91.9	51.6	26.5
-20°	963.6	845.3	796.8	668.3	523.9	393.2	255.4	155.7	94.3	53.1	27.9



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	903.9	822.7	758.3	639.2	500.3	376.2	243.8	155.3	94.9	53.6	28.9
-25°	842.9	801.1	719.9	600.8	477.3	358.2	236.8	152.1	93.6	52.9	29.4
-27.5°	808.9	774.4	682.1	559.5	446.2	340.5	232.2	150.2	91.2	51.1	29.3
-30°	787.3	732.0	635.8	517.2	412.5	313.1	224.0	145.9	88.9	49.9	28.8
-32.5°	771.0	691.4	584.7	477.7	378.7	284.0	207.3	138.8	85.0	49.2	28.5
-35°	735.0	641.6	531.9	435.6	344.0	259.9	187.5	129.0	79.4	47.6	28.0
-37.5°	694.0	584.9	483.9	393.5	307.8	234.2	169.3	115.6	72.1	45.3	26.8
-40°	629.2	528.0	435.3	352.5	275.9	206.8	149.3	103.0	67.3	42.1	24.9
-42.5°	561.5	472.0	388.3	310.2	244.4	182.8	128.4	89.4	61.2	39.0	22.4
-45°	497.6	415.3	339.9	273.4	212.0	157.0	112.3	75.9	54.3	35.3	20.2
-47.5°	432.3	360.2	293.9	234.3	181.5	131.7	95.3	67.3	46.7	30.6	19.0
-50°	370.0	306.3	248.8	197.1	148.5	112.0	79.2	57.9	40.0	24.8	17.6
-52.5°	310.4	254.9	205.7	159.9	123.1	91.2	67.8	48.0	32.8	21.4	16.0
-55°	253.3	206.7	164.0	128.8	98.6	75.4	55.4	39.5	25.3	19.2	14.3
-57.5°	201.5	160.5	129.3	100.8	78.9	60.6	44.3	30.5	21.6	16.9	13.9
-60°	151.9	124.4	97.6	79.1	62.4	47.1	33.8	23.3	18.9	14.9	13.4
-62.5°	114.2	91.7	76.2	61.1	47.5	35.0	24.2	20.2	16.2	14.3	12.9
-65°	85.6	71.4	56.8	45.3	33.9	24.8	20.8	17.1	15.1	13.8	12.6
-67.5°	64.3	52.5	40.6	30.2	24.5	20.5	17.2	15.7	14.4	13.2	12.6
-70°	45.3	34.8	27.4	22.8	19.1	16.5	15.8	14.9	13.7	13.0	12.5
-72.5°	30.7	25.3	20.2	16.5	16.0	15.5	14.9	14.1	13.3	12.7	12.4
-75°	21.1	18.5	16.5	15.4	14.9	14.4	14.0	13.4	12.8	12.4	12.0
-77.5°	17.7	16.2	15.0	14.2	13.8	13.4	13.0	12.6	12.2	11.8	11.4
-80°	14.9	14.1	13.5	13.0	12.7	12.4	12.1	11.8	11.4	11.1	10.8
-82.5°	12.5	12.3	12.0	11.8	11.6	11.4	11.2	10.9	10.7	10.4	10.2
-85°	11.1	11.0	10.8	10.7	10.5	10.4	10.2	10.1	9.9	9.7	9.6
-87.5°	9.7	9.6	9.6	9.5	9.4	9.3	9.3	9.2	9.1	9.0	8.9
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



REPORT NUMBER: P701477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	8.8	8.8	8.7	8.6	8.5	8.3	8.3
85°	9.4	9.2	9.0	8.8	8.7	8.4	8.3
82.5°	9.9	9.7	9.4	9.1	8.8	8.4	8.3
80°	10.4	10.1	9.8	9.4	9.0	8.5	8.3
77.5°	10.4	10.4	10.1	9.7	9.2	8.5	8.3
75°	10.4	10.4	10.4	9.9	9.3	8.6	8.3
72.5°	10.4	10.4	10.4	10.2	9.5	8.6	8.3
70°	10.4	10.4	10.4	10.4	9.6	8.6	8.3
67.5°	10.4	10.4	10.4	10.4	9.8	8.7	8.3
65°	10.4	10.4	10.4	10.4	9.9	8.7	8.3
62.5°	10.4	10.4	10.4	10.4	10.0	8.7	8.3
60°	10.4	10.4	10.4	10.4	10.1	8.8	8.3
57.5°	10.4	10.4	10.4	10.4	10.1	8.8	8.3
55°	10.4	10.4	10.4	10.4	10.1	8.8	8.3
52.5°	10.4	10.4	10.4	10.4	10.1	8.8	8.3
50°	10.4	10.4	10.4	10.4	10.0	8.8	8.3
47.5°	10.4	10.4	10.4	10.4	10.0	8.8	8.3
45°	10.6	10.4	10.4	10.4	10.0	8.8	8.3
42.5°	10.8	10.4	10.4	10.4	10.0	8.8	8.3
40°	11.0	10.4	10.4	10.4	10.0	8.8	8.3
37.5°	11.2	10.4	10.4	10.4	10.1	8.8	8.3
35°	11.5	10.5	10.4	10.4	10.1	8.8	8.3
32.5°	11.8	10.7	10.4	10.4	10.1	8.8	8.3
30°	12.2	11.0	10.4	10.4	10.1	8.8	8.3
27.5°	12.5	11.2	10.4	10.4	10.1	8.7	8.3
25°	12.9	11.4	10.4	10.4	10.2	8.7	8.3
22.5°	13.3	11.6	10.4	10.4	10.2	8.7	8.3
20°	13.6	11.8	10.4	10.4	10.2	8.6	8.3
17.5°	13.9	11.9	10.4	10.4	10.3	8.6	8.3
15°	14.1	12.1	10.4	10.4	10.3	8.6	8.3
12.5°	14.2	12.2	10.4	10.4	10.3	8.5	8.3
10°	14.3	12.2	10.4	10.4	10.3	8.5	8.3
7.5°	14.4	12.3	10.4	10.4	10.4	8.4	8.3
5°	14.5	12.4	10.4	10.4	10.4	8.4	8.3
2.5°	14.5	12.4	10.4	10.4	10.4	8.3	8.3
0°	14.5	12.4	10.4	10.4	10.4	8.3	8.3
-2.5°	14.8	12.6	10.6	10.4	10.4	8.3	8.3
-5°	15.0	12.8	10.7	10.4	10.4	8.4	8.3
-7.5°	15.2	13.0	10.9	10.4	10.4	8.4	8.3
-10°	15.4	13.2	11.1	10.4	10.3	8.5	8.3
-12.5°	15.6	13.3	11.2	10.4	10.3	8.5	8.3
-15°	15.7	13.4	11.3	10.4	10.3	8.6	8.3
-17.5°	15.8	13.5	11.4	10.4	10.3	8.6	8.3
-20°	16.3	13.6	11.4	10.4	10.2	8.6	8.3



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.3	13.6	11.5	10.4	10.2	8.7	8.3
-25°	17.9	13.7	11.5	10.4	10.2	8.7	8.3
-27.5°	18.2	13.7	11.4	10.4	10.1	8.7	8.3
-30°	18.0	13.6	11.3	10.4	10.1	8.8	8.3
-32.5°	17.5	13.4	11.2	10.4	10.1	8.8	8.3
-35°	17.1	13.2	11.1	10.4	10.1	8.8	8.3
-37.5°	16.8	12.9	11.0	10.4	10.1	8.8	8.3
-40°	16.3	12.7	10.8	10.4	10.0	8.8	8.3
-42.5°	15.7	12.5	10.8	10.4	10.0	8.8	8.3
-45°	14.8	12.2	10.8	10.5	10.0	8.8	8.3
-47.5°	13.9	12.0	10.9	10.5	10.0	8.8	8.3
-50°	13.4	11.7	10.9	10.5	10.0	8.8	8.3
-52.5°	13.1	11.5	11.0	10.6	10.1	8.8	8.3
-55°	12.7	11.5	11.0	10.6	10.1	8.8	8.3
-57.5°	12.4	11.5	11.1	10.6	10.1	8.8	8.3
-60°	12.0	11.6	11.1	10.5	10.1	8.8	8.3
-62.5°	12.1	11.6	11.1	10.5	10.0	8.7	8.3
-65°	12.1	11.7	11.0	10.5	9.9	8.7	8.3
-67.5°	12.2	11.6	10.8	10.5	9.8	8.7	8.3
-70°	12.2	11.3	10.7	10.4	9.6	8.6	8.3
-72.5°	11.9	11.1	10.6	10.2	9.5	8.6	8.3
-75°	11.4	10.8	10.4	9.9	9.3	8.6	8.3
-77.5°	10.9	10.5	10.1	9.7	9.2	8.5	8.3
-80°	10.5	10.1	9.8	9.4	9.0	8.5	8.3
-82.5°	9.9	9.7	9.4	9.1	8.8	8.4	8.3
-85°	9.4	9.2	9.0	8.8	8.7	8.4	8.3
-87.5°	8.8	8.8	8.7	8.6	8.5	8.3	8.3
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3

(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

