

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: P701504 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-80-7F-CV2-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701504 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0640L-40-80-7F-CV2-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

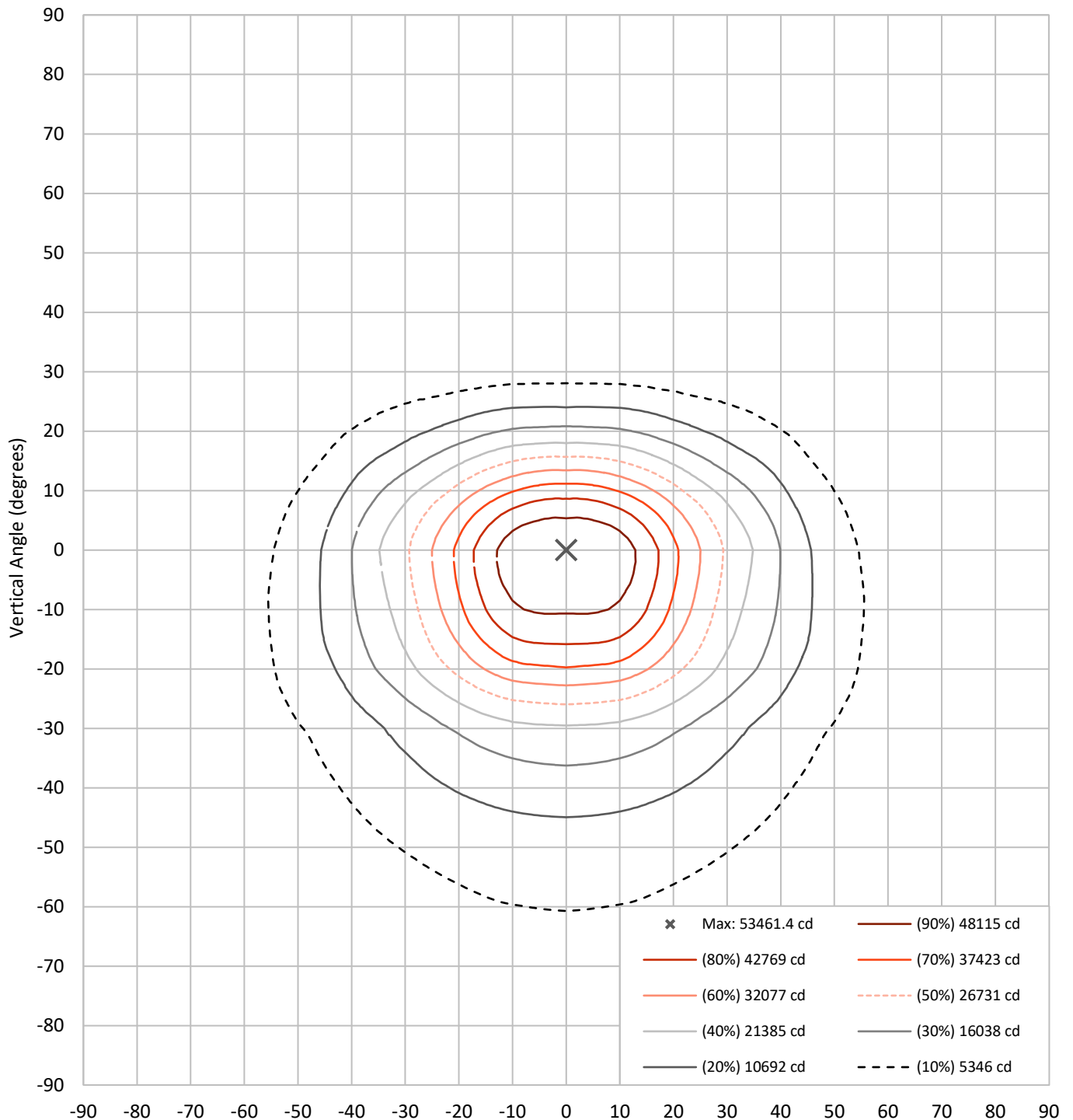
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	46772.4 lumens	Max Intensity:	53461.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	71.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 41.6°V	Field Angle (10%):	109°H x 88.8°V
Beam Lumens:	22674.8 lumens	Field Lumens:	42480.4 lumens
Beam Efficiency:	48.5%	Field Efficiency:	90.8%

Input Watts (W): 658  
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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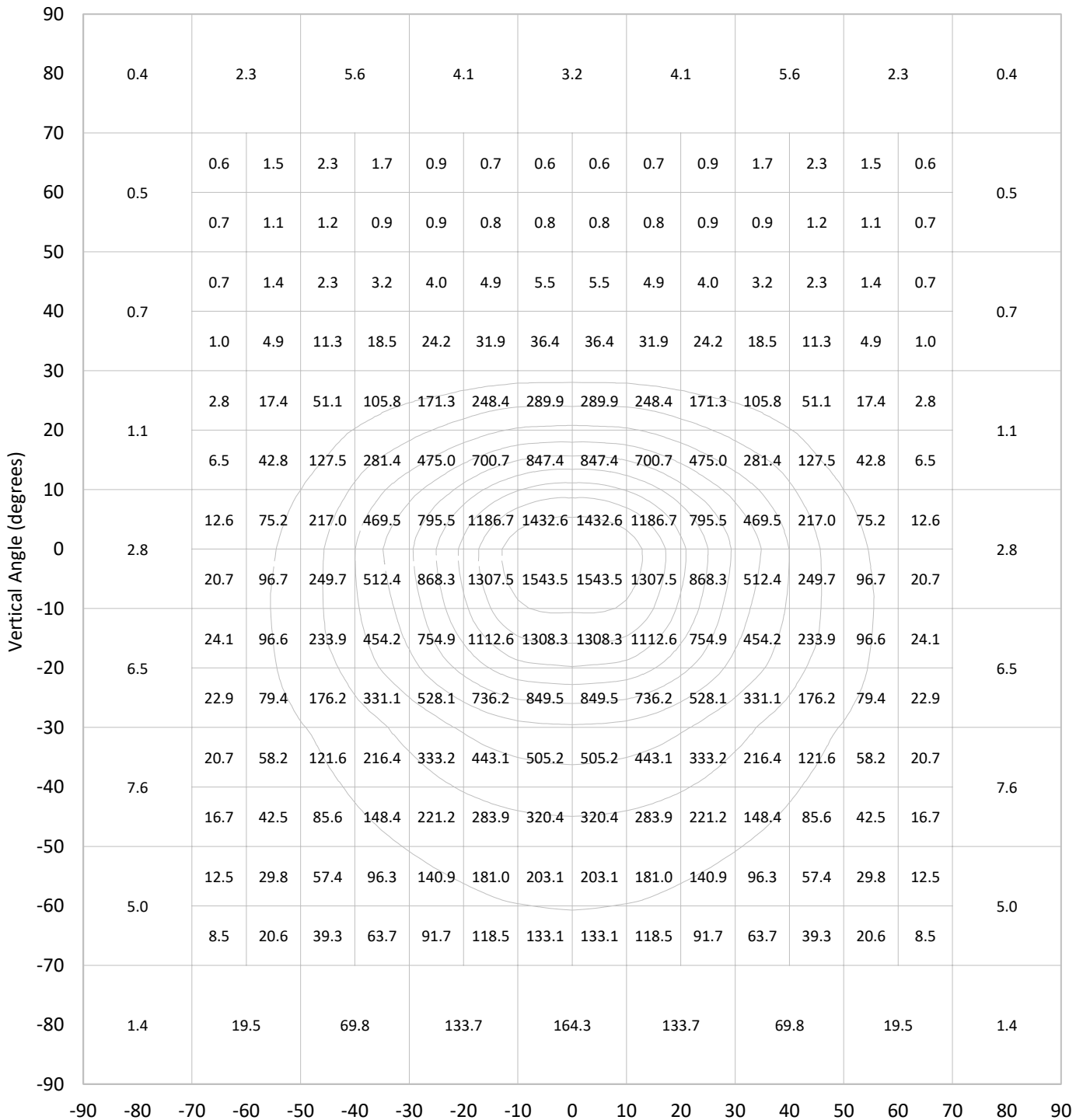
### Iso-Candela Plot





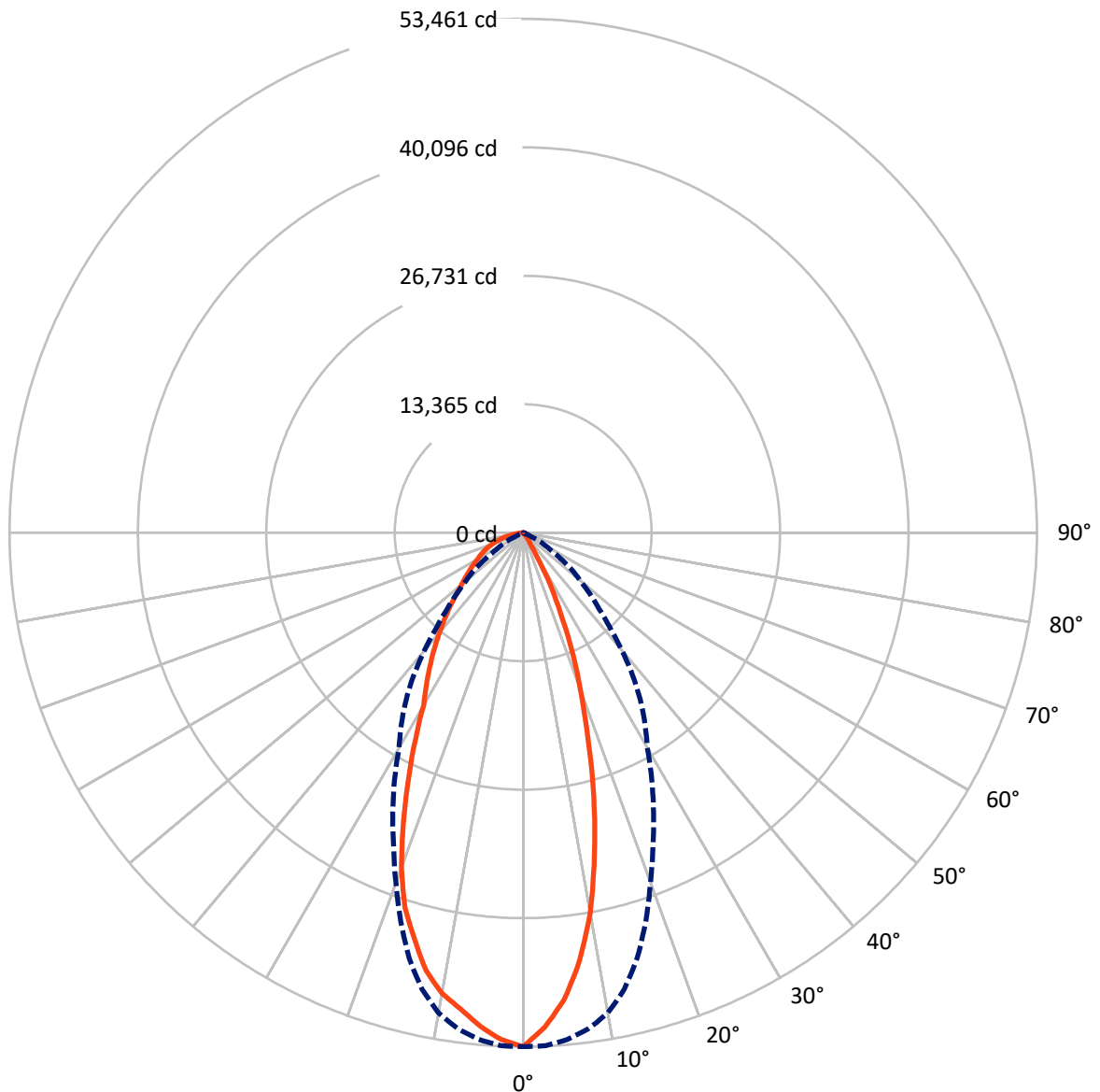
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### Lumen Table



REPORT NUMBER: P701504 (CONVERTED FROM TYPE C PHOTOMETRY)  
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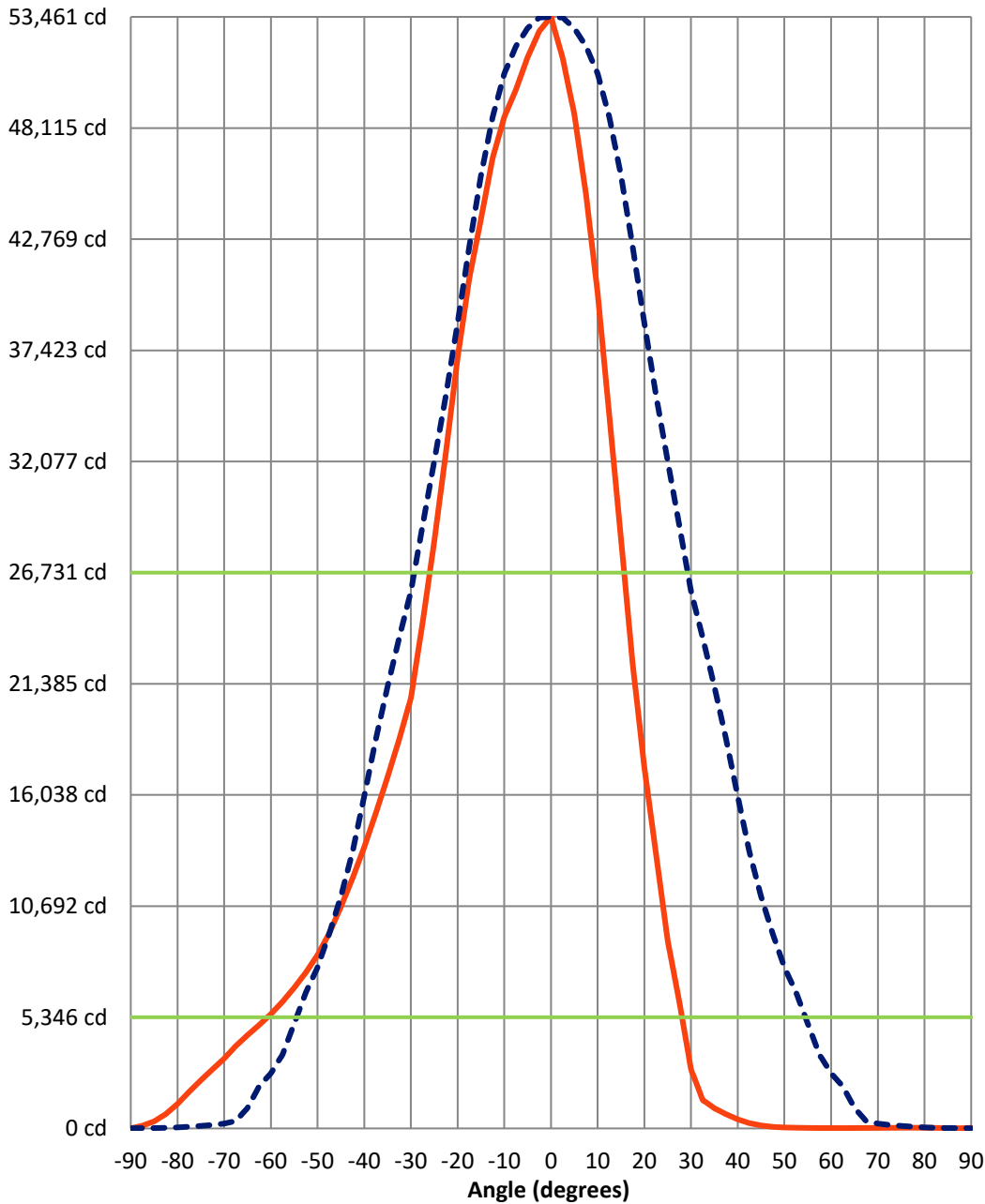
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 58.6°  
 V Angle: 41.6°  
 Lumens: 22674.8  
 Efficiency: 48.5%

**Field:**  
 H Angle: 109°  
 V Angle: 88.8°  
 Lumens: 42480.4  
 Efficiency: 90.8%

**Spill:**  
 Lumens: 4292  
 Efficiency: 9.2%

— 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°	7.5	8.5	9.4	9.9	10.4	10.8	11.3	11.8	12.2	12.7	13.1
87.5°	7.5	7.8	8.2	8.7	9.3	10.0	10.9	11.2	11.3	11.5	11.5
85°	7.5	8.1	8.8	9.8	11.1	12.5	14.3	14.8	15.2	15.4	15.5
82.5°	7.5	8.4	9.5	11.0	12.8	15.0	17.6	18.5	19.1	20.4	22.8
80°	7.5	8.6	10.1	12.1	14.6	17.5	20.5	21.1	23.1	26.7	31.9
77.5°	7.5	8.9	10.7	13.2	16.3	19.1	20.9	22.9	26.8	32.7	38.9
75°	7.5	9.2	11.3	14.3	17.6	19.2	21.2	24.5	30.0	35.0	40.1
72.5°	7.5	9.5	12.0	15.3	17.5	19.2	21.5	25.7	30.9	36.0	41.2
70°	7.5	9.7	12.5	16.1	17.4	19.3	21.8	26.4	31.7	36.9	42.8
67.5°	7.5	10.0	13.1	15.9	17.2	19.2	22.6	27.0	32.4	38.4	44.4
65°	7.5	10.2	13.7	15.7	17.0	19.5	23.3	27.6	33.6	39.8	46.5
62.5°	7.5	10.5	14.2	15.4	16.8	20.2	24.0	28.4	34.7	41.4	49.9
60°	7.5	10.7	14.7	15.2	16.6	20.8	24.7	29.3	35.8	44.1	53.2
57.5°	7.5	10.9	14.6	14.9	17.1	21.5	25.9	30.3	37.7	46.7	54.7
55°	7.5	11.2	14.5	14.6	17.6	22.1	27.1	31.6	39.7	48.8	55.6
52.5°	7.5	11.4	14.5	14.3	18.1	22.7	28.3	33.7	41.5	49.7	56.6
50°	7.5	11.6	14.4	13.9	18.6	23.8	29.5	35.9	43.0	50.7	55.0
47.5°	7.5	11.8	14.4	13.7	19.0	24.8	30.8	38.2	43.9	51.7	53.3
45°	7.5	11.9	14.3	14.1	19.4	25.9	32.7	40.4	46.2	50.6	51.9
42.5°	7.5	12.1	14.4	14.4	19.8	26.9	34.6	42.7	48.9	49.6	50.4
40°	7.5	12.3	14.4	15.0	20.4	27.9	36.5	45.3	51.5	49.1	49.3
37.5°	7.5	12.4	14.4	15.7	21.1	28.8	38.3	48.0	53.8	52.0	48.8
35°	7.5	12.5	14.5	16.6	21.8	30.1	40.1	51.0	56.7	56.1	52.4
32.5°	7.5	12.7	14.6	17.4	22.5	31.4	42.0	54.1	60.2	61.5	67.3
30°	7.5	12.8	14.7	18.3	23.1	32.7	44.4	57.2	64.4	67.9	82.6
27.5°	7.5	12.9	14.9	19.1	25.0	34.0	46.8	60.5	69.3	75.4	98.2
25°	7.5	12.9	15.0	20.0	27.1	35.1	49.3	64.0	75.3	87.0	115.7
22.5°	7.5	13.0	15.2	20.9	29.2	37.2	51.7	67.7	81.9	100.2	171.5
20°	7.5	13.1	15.4	21.8	31.4	41.9	54.1	71.7	88.8	113.4	230.6
17.5°	7.5	13.1	15.6	22.7	33.7	46.9	60.4	75.8	96.2	126.4	291.9
15°	7.5	13.1	15.8	23.6	36.0	52.0	69.2	84.1	103.8	139.1	354.2
12.5°	7.5	13.2	16.0	24.5	38.3	57.2	78.2	97.9	119.6	151.4	416.1
10°	7.5	13.2	16.2	25.3	40.6	62.5	87.2	111.9	142.2	188.6	497.8
7.5°	7.5	13.2	16.4	26.1	42.8	67.7	96.2	126.0	165.1	230.7	624.6
5°	7.5	13.2	16.5	26.8	44.9	72.9	105.1	140.1	188.1	273.3	750.9
2.5°	7.5	13.1	16.7	27.6	46.9	77.9	113.7	153.8	210.8	315.6	872.6
0°	7.5	13.1	16.9	28.2	48.8	82.6	122.0	167.1	232.8	356.6	985.5
-2.5°	7.5	13.3	18.1	32.4	58.3	100.3	153.6	219.3	315.1	489.6	1159.9
-5°	7.5	13.6	19.3	36.4	67.5	117.5	184.4	270.2	395.0	617.8	1319.2
-7.5°	7.5	13.8	20.5	40.3	76.4	133.9	213.8	319.0	471.5	738.8	1461.3
-10°	7.5	14.0	21.6	44.0	84.8	149.4	241.5	365.0	543.2	850.3	1583.9
-12.5°	7.5	14.2	22.7	47.4	92.5	163.7	267.1	407.5	609.0	946.0	1630.4
-15°	7.5	14.3	23.7	50.5	99.6	176.8	290.2	445.8	666.7	1004.6	1637.6
-17.5°	7.5	14.5	24.6	53.3	105.9	188.4	310.3	482.3	716.4	1054.7	1634.9
-20°	7.5	14.6	25.4	55.7	111.4	198.3	330.1	516.4	759.5	1095.9	1623.6



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.5	14.7	26.1	57.7	115.8	206.4	351.1	545.5	795.3	1127.9	1604.7
-25°	7.5	14.8	26.8	59.2	119.3	217.0	368.5	569.2	823.4	1150.3	1579.2
-27.5°	7.5	14.8	27.3	60.3	121.7	227.2	382.1	587.4	843.5	1168.9	1595.2
-30°	7.5	14.9	27.7	60.9	123.2	234.8	391.6	599.6	860.3	1188.4	1601.7
-32.5°	7.5	14.9	28.0	60.9	127.0	239.8	397.0	609.1	872.1	1197.1	1596.1
-35°	7.5	14.8	28.2	60.4	129.3	242.1	401.3	613.7	875.7	1194.6	1578.4
-37.5°	7.5	14.8	28.3	59.3	130.0	242.6	402.9	612.3	870.9	1180.7	1501.3
-40°	7.5	14.7	28.2	57.7	129.2	242.8	400.3	604.8	857.7	1164.1	1424.1
-42.5°	7.5	14.6	28.0	56.1	128.1	240.3	393.5	591.2	840.6	1108.1	1342.0
-45°	7.5	14.5	27.6	55.1	126.8	235.4	382.5	574.4	817.7	1043.7	1257.3
-47.5°	7.5	14.3	27.1	53.4	124.2	228.0	367.4	555.8	786.3	976.1	1181.8
-50°	7.5	14.1	26.5	52.8	120.4	218.0	353.4	531.6	731.3	914.2	1102.9
-52.5°	7.5	13.9	25.8	52.3	115.2	205.6	336.7	502.0	679.6	849.6	1021.9
-55°	7.5	13.7	24.9	51.1	108.7	195.1	316.6	468.0	628.0	782.5	947.6
-57.5°	7.5	13.4	24.0	49.3	101.0	183.5	293.2	437.1	573.9	719.5	870.8
-60°	7.5	13.2	22.9	46.9	92.4	170.0	267.5	398.3	519.2	655.8	794.1
-62.5°	7.5	12.9	22.0	44.0	86.2	154.8	245.9	355.6	468.3	589.7	720.3
-65°	7.5	12.5	21.1	40.6	79.0	137.9	221.9	313.6	414.8	525.7	644.1
-67.5°	7.5	12.2	20.2	36.6	71.0	121.9	195.7	276.7	358.8	460.0	567.2
-70°	7.5	11.8	19.1	32.3	62.1	106.9	167.5	237.9	310.8	391.6	488.0
-72.5°	7.5	11.4	18.1	29.5	52.4	90.8	142.4	197.5	260.9	331.2	408.1
-75°	7.5	11.0	16.9	27.0	42.2	73.5	116.5	160.8	209.2	268.7	333.9
-77.5°	7.5	10.6	15.7	24.4	36.3	55.4	89.2	125.0	164.1	207.2	257.5
-80°	7.5	10.2	14.5	21.6	31.4	43.8	60.9	88.2	118.6	152.3	189.2
-82.5°	7.5	9.8	13.3	18.8	26.3	35.8	47.3	58.3	72.3	96.4	122.8
-85°	7.5	9.3	12.0	15.8	21.0	27.6	35.4	42.9	51.2	60.2	70.0
-87.5°	7.5	8.9	10.7	12.9	15.7	19.2	23.4	27.4	31.8	36.5	41.6
-90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	13.6	14.1	14.5	15.0	15.5	16.0	16.4	16.9	17.8	18.8	19.7
87.5°	12.1	12.7	13.3	14.0	12.8	11.4	9.9	8.3	8.7	9.2	9.7
85°	16.6	17.8	19.5	20.7	19.8	19.0	18.4	18.0	19.0	19.8	20.4
82.5°	25.1	26.8	27.8	28.3	28.9	29.7	31.4	34.7	36.8	38.1	38.6
80°	34.5	35.8	36.9	39.5	43.9	49.2	55.3	62.0	63.9	63.5	62.3
77.5°	40.3	42.7	47.2	53.6	61.0	68.5	76.8	85.9	88.2	87.1	85.2
75°	43.8	49.1	56.4	65.5	75.1	85.2	95.9	105.8	108.2	105.1	101.2
72.5°	46.8	54.5	64.3	76.1	87.2	97.7	108.6	120.0	124.5	119.1	112.1
70°	49.5	59.2	71.1	83.8	96.5	107.6	118.3	130.6	138.5	128.6	113.3
67.5°	51.8	64.0	77.0	90.1	100.9	111.9	124.8	130.1	133.1	117.2	100.8
65°	55.4	68.4	80.0	91.0	102.3	107.7	112.0	116.0	114.4	96.4	79.0
62.5°	58.8	69.4	80.3	89.0	92.6	95.9	95.3	91.5	85.7	74.5	61.0
60°	60.1	69.1	77.0	80.7	82.0	79.0	74.6	71.1	66.1	56.5	47.6
57.5°	60.8	66.1	70.4	71.5	68.1	63.5	61.8	56.8	53.2	47.2	39.0
55°	60.3	61.1	63.2	60.7	58.0	56.2	53.5	51.9	46.8	41.1	35.1
52.5°	57.8	56.9	54.9	53.7	54.6	54.2	53.2	50.5	45.9	40.2	36.8
50°	55.5	52.1	49.1	53.3	57.1	60.2	55.4	52.5	52.3	49.6	44.2
47.5°	52.6	48.2	50.9	57.3	68.2	72.2	65.4	65.3	67.4	72.7	66.2
45°	50.0	51.6	55.9	71.9	85.2	91.4	92.3	85.1	103.1	109.1	107.2
42.5°	48.2	58.8	78.1	89.3	110.7	123.9	129.1	139.8	150.5	163.5	166.9
40°	55.2	68.3	111.6	130.7	144.0	166.4	193.7	211.4	214.7	234.5	243.4
37.5°	64.4	106.3	157.3	190.3	189.5	228.5	269.3	312.0	336.1	317.2	360.8
35°	74.8	151.0	223.2	271.4	283.6	307.8	379.6	461.4	540.4	494.1	516.7
32.5°	105.7	202.3	300.3	374.0	445.7	461.9	506.5	728.0	871.5	873.8	758.4
30°	156.3	274.3	392.2	492.9	658.6	734.6	805.7	1080.9	1322.1	1477.3	1510.3
27.5°	219.7	356.7	504.7	685.8	920.6	1057.9	1288.1	1583.6	1963.1	2247.2	2443.6
25°	291.0	484.1	627.5	929.8	1233.5	1485.5	1808.7	2215.5	2747.7	3203.0	3628.2
22.5°	382.6	632.0	822.4	1203.1	1580.1	1947.8	2396.6	2981.5	3658.7	4250.8	4853.4
20°	497.9	800.0	1076.6	1540.3	1974.3	2416.8	2992.7	3806.0	4663.2	5500.4	6282.2
17.5°	622.7	977.0	1361.3	1925.6	2512.8	3013.1	3616.2	4662.2	5721.1	6870.9	8009.4
15°	754.2	1160.4	1643.6	2345.9	3090.9	3772.1	4569.7	5635.4	6894.5	8369.2	9838.1
12.5°	889.1	1347.1	1920.5	2790.8	3693.9	4545.1	5560.6	6776.5	8222.1	9971.0	11752.1
10°	1024.3	1534.0	2189.1	3248.5	4310.0	5321.7	6526.4	7878.2	9531.0	11496.2	13511.0
7.5°	1269.2	1779.6	2467.6	3706.4	4926.5	6090.6	7458.8	8933.0	10770.7	12955.4	15159.0
5°	1530.8	2082.1	2847.6	4186.7	5508.7	6765.4	8297.2	9930.9	11931.4	14329.5	16719.1
2.5°	1784.9	2373.1	3210.2	4635.3	6044.0	7280.0	8861.0	10578.8	12697.5	15289.0	17904.1
0°	2023.5	2650.5	3551.5	5041.9	6536.0	7744.9	9361.0	11155.5	13302.9	15975.9	18727.7
-2.5°	2239.0	2904.1	3838.8	5290.6	6687.9	7859.9	9487.5	11287.1	13411.1	15978.4	18522.3
-5°	2428.5	3140.3	4099.2	5498.3	6801.4	7936.2	9547.6	11340.2	13423.1	15863.5	18238.7
-7.5°	2590.0	3357.9	4330.8	5647.7	6861.9	7997.4	9560.4	11321.4	13352.3	15654.7	17903.8
-10°	2697.7	3447.6	4345.3	5608.9	6845.3	8022.0	9516.6	11230.7	13186.2	15358.2	17488.7
-12.5°	2628.1	3414.4	4293.6	5522.5	6788.2	7990.2	9414.8	11071.7	12928.0	14991.1	16998.3
-15°	2549.2	3359.3	4209.4	5387.0	6690.7	7898.2	9257.9	10848.0	12485.1	14390.0	16370.5
-17.5°	2465.1	3281.5	4091.6	5201.1	6553.2	7742.9	8967.2	10258.2	11760.2	13628.5	15584.9
-20°	2379.6	3180.1	3939.4	4964.0	6364.5	7348.2	8350.2	9550.4	10974.6	12713.9	14672.4



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 CATALOG NUMBER: EPH-LS-08-0640L-40-80-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2296.1	3054.6	3778.8	4755.6	5861.6	6789.8	7695.3	8775.3	10068.7	11642.6	13358.9
-25°	2233.2	2924.5	3623.3	4415.1	5333.2	6222.7	6992.6	7949.9	9126.6	10472.9	11830.7
-27.5°	2184.5	2809.1	3403.3	4079.0	4836.4	5650.9	6334.6	7156.6	8264.6	9342.8	10390.8
-30°	2132.5	2656.5	3180.4	3769.1	4438.6	5114.0	5707.2	6509.4	7495.2	8425.6	9259.8
-32.5°	2032.2	2495.1	2985.2	3515.8	4077.2	4633.6	5254.5	6014.5	6838.3	7638.4	8307.6
-35°	1913.4	2343.7	2797.2	3265.5	3739.9	4277.8	4896.1	5548.0	6245.2	6968.5	7731.1
-37.5°	1813.9	2186.0	2603.8	3033.6	3471.6	3972.7	4525.9	5124.4	5742.5	6389.3	7135.9
-40°	1706.7	2022.6	2420.0	2818.2	3221.3	3672.1	4180.5	4711.5	5265.4	5878.0	6524.1
-42.5°	1595.2	1896.0	2236.3	2598.5	2976.6	3380.5	3822.8	4316.4	4825.5	5363.6	5940.8
-45°	1499.2	1762.9	2055.0	2392.5	2728.8	3086.0	3485.7	3915.8	4393.6	4872.6	5375.0
-47.5°	1398.2	1630.5	1901.8	2183.2	2492.2	2808.8	3143.4	3548.6	3961.2	4400.3	4835.6
-50°	1297.4	1514.9	1742.6	2001.9	2266.8	2544.4	2837.9	3200.0	3578.7	3948.0	4329.5
-52.5°	1207.1	1394.6	1608.3	1828.5	2064.6	2305.3	2577.4	2892.6	3226.2	3555.0	3894.8
-55°	1113.6	1289.3	1477.4	1675.6	1878.3	2092.4	2342.9	2623.6	2898.0	3203.9	3508.0
-57.5°	1025.0	1187.1	1358.2	1533.1	1715.2	1900.2	2141.3	2374.7	2629.5	2883.5	3147.3
-60°	938.5	1088.5	1245.4	1404.1	1561.9	1747.4	1952.1	2169.4	2386.2	2602.2	2848.9
-62.5°	850.9	994.3	1137.3	1281.2	1427.8	1599.8	1794.9	1986.4	2171.2	2376.9	2586.2
-65°	767.2	898.1	1033.1	1166.0	1296.2	1463.0	1638.7	1819.9	1999.6	2172.2	2350.1
-67.5°	680.3	799.6	924.1	1052.1	1177.3	1321.9	1478.9	1643.9	1811.5	1970.4	2133.3
-70°	589.2	696.8	809.0	925.1	1046.4	1175.3	1309.6	1454.0	1602.5	1742.9	1884.7
-72.5°	494.3	587.5	686.8	791.8	897.3	1007.9	1125.6	1249.6	1371.1	1488.7	1611.3
-75°	401.9	475.0	558.0	646.5	736.4	829.8	928.0	1029.2	1126.8	1222.3	1320.8
-77.5°	311.2	369.0	432.0	499.8	567.1	639.6	716.5	797.2	873.0	947.5	1023.0
-80°	224.4	260.7	306.7	357.0	407.7	459.4	512.5	566.7	615.2	666.2	721.1
-82.5°	147.8	173.9	201.3	229.9	258.6	288.4	320.7	358.9	391.0	422.6	454.5
-85°	78.0	86.2	102.7	120.1	137.0	154.5	172.6	191.3	207.9	223.7	238.8
-87.5°	45.9	50.2	54.6	59.1	62.9	66.6	70.3	73.9	79.0	84.1	89.3
-90°	7.5	7.5	7.5	7.5	7.0	6.6	6.1	5.6	5.6	5.6	5.6



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	20.6	21.6	22.5	23.5	24.4	24.9	25.4	25.8	26.3	26.8	27.3
87.5°	10.3	10.0	9.7	9.4	9.0	11.2	13.5	15.9	18.3	16.6	14.9
85°	20.9	20.8	20.7	20.4	20.1	23.2	26.4	29.6	32.7	29.9	26.9
82.5°	38.5	37.7	36.4	34.6	32.2	31.9	31.3	30.3	28.8	27.5	26.4
80°	60.5	57.7	54.1	49.7	44.7	42.0	39.4	36.5	33.3	32.4	31.6
77.5°	81.8	76.4	70.0	63.0	55.5	50.9	46.7	42.2	37.5	36.2	35.4
75°	96.7	89.8	80.3	70.3	59.7	52.7	47.3	42.1	37.0	35.2	34.1
72.5°	103.6	93.5	81.8	68.3	55.3	46.9	41.7	36.9	32.4	30.6	29.7
70°	98.4	84.0	70.7	57.9	45.8	37.8	34.0	30.7	28.1	26.7	25.9
67.5°	83.9	69.3	56.6	45.3	36.0	29.9	27.8	25.9	24.2	23.3	22.9
65°	65.0	53.7	43.9	35.9	29.6	25.4	23.8	22.2	20.7	19.7	19.4
62.5°	49.3	40.5	34.2	29.1	25.2	22.3	21.1	20.1	19.3	18.7	18.2
60°	39.4	32.0	28.1	25.4	23.0	20.9	20.6	20.4	20.2	19.8	19.1
57.5°	33.8	29.2	26.3	25.6	24.6	23.2	22.8	22.7	21.9	20.5	19.9
55°	32.3	31.1	29.8	30.4	30.4	29.2	27.6	26.4	25.3	24.2	24.4
52.5°	35.9	38.3	39.6	39.5	37.6	34.8	31.5	32.0	32.6	33.1	33.7
50°	47.9	50.9	50.9	46.8	46.5	44.9	41.1	42.8	45.2	45.7	46.1
47.5°	66.5	69.5	71.4	64.1	65.4	69.3	65.1	63.9	71.8	75.4	77.1
45°	97.0	108.9	112.4	114.6	111.4	121.7	121.8	117.0	132.4	140.8	143.7
42.5°	161.7	181.7	197.6	202.3	198.5	211.4	221.2	220.4	239.9	253.7	257.3
40°	270.6	289.5	312.2	320.7	324.4	336.1	361.0	377.0	396.6	418.1	429.0
37.5°	410.3	439.9	444.6	461.9	483.8	494.8	532.7	565.0	591.6	631.9	657.7
35°	614.9	693.2	608.8	648.8	704.3	710.6	745.1	819.8	838.4	909.0	948.1
32.5°	992.5	1138.2	1119.1	983.6	1102.7	1237.9	1087.3	1355.1	1331.1	1406.5	1502.3
30°	1566.4	1990.0	2037.0	1838.9	2169.6	2349.0	2320.1	2586.9	2757.9	2736.7	3068.6
27.5°	2794.5	3134.2	3288.4	3573.0	3751.7	4016.1	4481.9	4753.3	5241.3	5497.4	5804.6
25°	4123.6	4525.2	5021.0	5510.2	5881.9	6468.3	7121.9	7635.9	8326.7	8760.2	9076.0
22.5°	5560.4	6269.8	6960.0	7641.5	8391.8	9199.3	9970.5	10861.2	11701.9	12322.7	12792.0
20°	7135.5	8117.4	9093.5	10029.1	10965.1	12045.0	12999.9	14070.2	15102.9	16000.8	16619.2
17.5°	9082.8	10109.4	11355.9	12607.8	13820.4	15157.6	16568.1	17768.2	19216.5	20412.6	21312.3
15°	11203.6	12489.1	13849.6	15415.5	17053.1	18707.6	20418.4	22182.8	23831.5	25360.7	26506.2
12.5°	13393.4	14993.6	16651.3	18385.2	20284.0	22343.1	24492.9	26592.9	28631.5	30312.4	31883.9
10°	15497.0	17496.9	19420.4	21452.1	23638.7	25942.2	28459.7	30961.2	33330.5	35401.0	37092.2
7.5°	17340.2	19511.4	21730.5	24221.8	26817.3	29398.7	32126.2	34932.1	37628.8	40015.4	41992.6
5°	19072.9	21338.0	23586.2	26266.4	29130.1	32092.3	35180.4	38332.5	41243.8	43942.1	46131.8
2.5°	20423.8	22806.3	25118.1	28056.8	31078.7	34095.4	37244.3	40690.6	43938.1	46871.3	49019.8
0°	21248.7	23600.6	25834.4	28987.9	32096.4	35263.0	38735.6	42403.5	45823.5	48633.5	50726.5
-2.5°	20963.4	23258.1	25681.4	28779.1	32065.3	35232.5	38745.4	42447.0	45844.8	48700.2	50744.1
-5°	20571.7	22821.3	25274.0	28373.5	31580.7	34744.2	38207.6	41847.8	45184.9	47994.0	49929.6
-7.5°	20090.1	22261.5	24653.1	27659.1	30848.3	34015.7	37387.1	40831.3	44022.8	46815.1	48636.6
-10°	19520.8	21579.2	23945.2	26836.4	30001.4	33054.6	36258.1	39669.3	42872.2	45411.6	47366.6
-12.5°	18930.1	20935.6	23132.7	25868.2	28898.2	31736.7	34795.3	38080.2	40902.0	43498.9	45216.9
-15°	18253.7	20177.0	22237.2	24758.6	27504.7	30161.6	32818.4	35715.2	38290.0	40599.1	42424.6
-17.5°	17470.9	19293.1	21101.3	23368.4	25997.7	28370.7	30696.8	33219.4	35508.4	37628.4	39208.8
-20°	16389.6	17889.1	19626.5	21795.4	24073.0	26074.7	28197.1	30316.1	32353.8	34148.5	35486.8



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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°	14840.8	16299.9	17909.4	19683.4	21588.9	23427.5	25244.2	26978.0	28635.9	30129.4	31206.6
-25°	13192.2	14524.9	15977.8	17452.3	18973.9	20620.9	22214.4	23645.5	25008.8	26162.7	27050.0
-27.5°	11554.2	12814.5	14084.7	15274.7	16491.8	17867.5	19262.1	20460.3	21615.0	22518.9	23210.7
-30°	10091.1	11438.4	12556.9	13366.6	14546.0	15753.0	16657.2	17747.3	18657.0	19233.8	19977.1
-32.5°	9284.8	10301.1	11315.1	12147.6	13084.8	14143.7	15000.0	15890.6	16658.3	17278.2	17745.6
-35°	8549.3	9442.3	10299.2	11155.6	11992.4	12843.0	13632.3	14384.0	15065.0	15613.2	16046.3
-37.5°	7888.6	8661.5	9437.2	10176.0	10927.7	11638.7	12316.2	12964.7	13537.2	14031.3	14439.6
-40°	7221.6	7912.0	8594.2	9262.3	9919.6	10500.0	11082.5	11618.3	12101.5	12538.7	12895.7
-42.5°	6551.7	7167.9	7765.4	8371.4	8954.7	9458.4	9939.4	10382.3	10796.6	11169.3	11477.3
-45°	5893.2	6437.3	6963.9	7502.0	7993.8	8452.9	8872.2	9245.1	9601.0	9915.1	10174.0
-47.5°	5299.8	5742.8	6212.6	6672.0	7098.9	7512.4	7879.1	8207.3	8519.6	8785.6	8996.8
-50°	4748.1	5152.7	5548.8	5920.8	6319.8	6682.3	6992.7	7295.1	7579.1	7816.4	7994.7
-52.5°	4229.5	4602.8	4959.0	5306.1	5652.3	5974.8	6272.5	6549.1	6797.2	7014.7	7169.1
-55°	3818.9	4124.0	4412.5	4746.5	5064.2	5351.0	5617.5	5886.1	6125.3	6336.5	6465.5
-57.5°	3430.2	3705.5	3980.1	4268.9	4548.4	4817.8	5070.8	5306.1	5526.5	5724.2	5835.3
-60°	3083.3	3305.5	3566.7	3833.1	4086.4	4326.9	4564.5	4785.2	4990.0	5162.1	5260.3
-62.5°	2792.8	3003.8	3224.8	3447.3	3666.6	3890.3	4105.9	4310.9	4505.3	4662.1	4757.5
-65°	2536.6	2727.7	2920.8	3117.9	3317.6	3514.6	3698.2	3878.3	4054.0	4188.3	4274.3
-67.5°	2295.4	2459.8	2622.1	2789.8	2961.9	3131.9	3293.7	3453.4	3609.8	3718.2	3785.5
-70°	2031.0	2176.2	2316.0	2457.2	2597.7	2735.8	2869.6	3003.1	3135.0	3222.0	3279.6
-72.5°	1738.1	1859.4	1972.8	2085.6	2200.5	2314.0	2424.0	2531.0	2634.3	2701.7	2751.5
-75°	1421.6	1514.1	1602.3	1691.2	1780.3	1872.6	1963.4	2050.5	2133.5	2184.0	2222.7
-77.5°	1099.6	1165.0	1227.1	1289.7	1352.3	1423.8	1496.2	1566.4	1634.0	1669.7	1696.3
-80°	776.5	822.4	864.8	905.4	943.9	989.5	1035.4	1079.8	1122.5	1142.9	1157.9
-82.5°	486.4	513.3	538.6	562.5	585.0	609.4	632.6	654.2	674.0	683.8	691.2
-85°	253.0	264.7	275.5	285.6	294.7	306.0	316.6	326.5	335.7	338.6	340.6
-87.5°	94.4	97.9	101.3	104.6	107.8	112.0	116.1	120.2	124.1	125.2	126.1
-90°	5.6	5.6	5.6	5.6	5.6	5.2	4.7	4.3	3.8	3.8	3.8



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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°	27.7	28.2	28.2	28.2	28.2	28.2	27.7	27.3	26.8	26.3	25.8
87.5°	13.1	11.3	10.3	9.4	10.3	11.3	13.1	14.9	16.6	18.3	15.9
85°	23.8	20.6	19.7	18.8	19.7	20.6	23.8	26.9	29.9	32.7	29.6
82.5°	25.3	24.4	24.4	24.4	24.4	24.4	25.3	26.4	27.5	28.8	30.3
80°	30.8	29.9	30.0	30.0	30.0	29.9	30.8	31.6	32.4	33.3	36.5
77.5°	34.6	33.8	33.8	33.8	33.8	33.8	34.6	35.4	36.2	37.5	42.2
75°	33.0	32.0	31.9	31.9	31.9	32.0	33.0	34.1	35.2	37.0	42.1
72.5°	29.0	28.3	28.2	28.2	28.2	28.3	29.0	29.7	30.6	32.4	36.9
70°	25.2	24.6	24.4	24.4	24.4	24.6	25.2	25.9	26.7	28.1	30.7
67.5°	22.7	22.6	22.5	22.5	22.5	22.6	22.7	22.9	23.3	24.2	25.9
65°	19.1	19.0	18.8	18.8	18.8	19.0	19.1	19.4	19.7	20.7	22.2
62.5°	17.7	17.1	16.1	15.0	16.1	17.1	17.7	18.2	18.7	19.3	20.1
60°	18.2	17.2	16.9	16.9	16.9	17.2	18.2	19.1	19.8	20.2	20.4
57.5°	19.4	18.9	18.8	18.8	18.8	18.9	19.4	19.9	20.5	21.9	22.7
55°	24.4	24.3	24.3	24.4	24.3	24.3	24.4	24.4	24.2	25.3	26.4
52.5°	33.9	33.6	33.6	33.8	33.6	33.6	33.9	33.7	33.1	32.6	32.0
50°	46.5	46.5	46.0	45.1	46.0	46.5	46.5	46.1	45.7	45.2	42.8
47.5°	78.3	77.1	75.8	75.1	75.8	77.1	78.3	77.1	75.4	71.8	63.9
45°	147.1	145.9	143.8	142.7	143.8	145.9	147.1	143.7	140.8	132.4	117.0
42.5°	263.3	261.2	256.2	253.4	256.2	261.2	263.3	257.3	253.7	239.9	220.4
40°	441.3	443.7	439.8	437.4	439.8	443.7	441.3	429.0	418.1	396.6	377.0
37.5°	678.3	688.3	687.0	683.3	687.0	688.3	678.3	657.7	631.9	591.6	565.0
35°	966.0	977.0	971.4	970.5	971.4	977.0	966.0	948.1	909.0	838.4	819.8
32.5°	1430.3	1414.1	1353.6	1370.3	1353.6	1414.1	1430.3	1502.3	1406.5	1331.1	1355.1
30°	3090.9	3150.3	2980.9	2845.7	2980.9	3150.3	3090.9	3068.6	2736.7	2757.9	2586.9
27.5°	5835.0	5963.1	5939.2	6078.0	5939.2	5963.1	5835.0	5804.6	5497.4	5241.3	4753.3
25°	9200.0	9284.9	9290.4	9040.1	9290.4	9284.9	9200.0	9076.0	8760.2	8326.7	7635.9
22.5°	12965.9	13047.9	13197.5	13197.8	13197.5	13047.9	12965.9	12792.0	12322.7	11701.9	10861.2
20°	17049.1	17064.0	17349.9	17370.6	17349.9	17064.0	17049.1	16619.2	16000.8	15102.9	14070.2
17.5°	21945.5	22183.7	22570.1	22344.9	22570.1	22183.7	21945.5	21312.3	20412.6	19216.5	17768.2
15°	27590.2	28122.2	28535.3	28349.7	28535.3	28122.2	27590.2	26506.2	25360.7	23831.5	22182.8
12.5°	33133.5	33972.1	34371.4	34273.8	34371.4	33972.1	33133.5	31883.9	30312.4	28631.5	26592.9
10°	38410.0	39590.4	40014.4	40164.1	40014.4	39590.4	38410.0	37092.2	35401.0	33330.5	30961.2
7.5°	43468.4	44550.1	45193.0	44924.4	45193.0	44550.1	43468.4	41992.6	40015.4	37628.8	34932.1
5°	47528.3	48441.8	48961.1	48776.2	48961.1	48441.8	47528.3	46131.8	43942.1	41243.8	38332.5
2.5°	50403.5	51256.5	51706.7	51480.1	51706.7	51256.5	50403.5	49019.8	46871.3	43938.1	40690.6
0°	52046.0	52915.2	53424.8	53461.4	53424.8	52915.2	52046.0	50726.5	48633.5	45823.5	42403.5
-2.5°	51981.9	52595.9	52954.0	52771.6	52954.0	52595.9	51981.9	50744.1	48700.2	45844.8	42447.0
-5°	50893.6	51412.1	51598.2	51518.6	51598.2	51412.1	50893.6	49929.6	47994.0	45184.9	41847.8
-7.5°	49551.1	49933.4	50061.2	49966.3	50061.2	49933.4	49551.1	48636.6	46815.1	44022.8	40831.3
-10°	48252.3	48634.3	48699.1	48644.8	48699.1	48634.3	48252.3	47366.6	45411.6	42872.2	39669.3
-12.5°	46361.2	46775.2	46788.7	46662.6	46788.7	46775.2	46361.2	45216.9	43498.9	40902.0	38080.2
-15°	43411.7	43750.3	43804.9	43734.3	43804.9	43750.3	43411.7	42424.6	40599.1	38290.0	35715.2
-17.5°	40133.4	40357.6	40600.5	40871.8	40600.5	40357.6	40133.4	39208.8	37628.4	35508.4	33219.4
-20°	36197.3	36465.4	36752.1	37055.6	36752.1	36465.4	36197.3	35486.8	34148.5	32353.8	30316.1



REPORT NUMBER: P701504 (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°	31773.6	32074.9	32368.9	32522.5	32368.9	32074.9	31773.6	31206.6	30129.4	28635.9	26978.0
-25°	27494.4	27861.4	28093.5	28233.3	28093.5	27861.4	27494.4	27050.0	26162.7	25008.8	23645.5
-27.5°	23571.5	24006.5	24220.7	24312.1	24220.7	24006.5	23571.5	23210.7	22518.9	21615.0	20460.3
-30°	20267.4	20534.6	20571.6	20709.9	20571.6	20534.6	20267.4	19977.1	19233.8	18657.0	17747.3
-32.5°	18089.1	18385.9	18566.3	18718.3	18566.3	18385.9	18089.1	17745.6	17278.2	16658.3	15890.6
-35°	16382.6	16651.4	16828.3	16901.3	16828.3	16651.4	16382.6	16046.3	15613.2	15065.0	14384.0
-37.5°	14746.9	14950.0	15073.6	15172.5	15073.6	14950.0	14746.9	14439.6	14031.3	13537.2	12964.7
-40°	13169.7	13371.1	13493.5	13526.3	13493.5	13371.1	13169.7	12895.7	12538.7	12101.5	11618.3
-42.5°	11697.7	11852.8	11959.3	12032.1	11959.3	11852.8	11697.7	11477.3	11169.3	10796.6	10382.3
-45°	10364.8	10501.5	10596.3	10654.4	10596.3	10501.5	10364.8	10174.0	9915.1	9601.0	9245.1
-47.5°	9152.4	9262.3	9337.8	9381.7	9337.8	9262.3	9152.4	8996.8	8785.6	8519.6	8207.3
-50°	8127.6	8225.9	8295.6	8338.0	8295.6	8225.9	8127.6	7994.7	7816.4	7579.1	7295.1
-52.5°	7289.7	7385.3	7455.5	7500.9	7455.5	7385.3	7289.7	7169.1	7014.7	6797.2	6549.1
-55°	6572.6	6660.3	6723.9	6765.0	6723.9	6660.3	6572.6	6465.5	6336.5	6125.3	5886.1
-57.5°	5929.6	6007.1	6061.0	6094.9	6061.0	6007.1	5929.6	5835.3	5724.2	5526.5	5306.1
-60°	5344.0	5413.9	5463.4	5498.0	5463.4	5413.9	5344.0	5260.3	5162.1	4990.0	4785.2
-62.5°	4842.0	4915.4	4954.7	4976.2	4954.7	4915.4	4842.0	4757.5	4662.1	4505.3	4310.9
-65°	4353.3	4424.2	4462.4	4484.4	4462.4	4424.2	4353.3	4274.3	4188.3	4054.0	3878.3
-67.5°	3845.0	3896.1	3935.0	3964.4	3935.0	3896.1	3845.0	3785.5	3718.2	3609.8	3453.4
-70°	3329.1	3370.4	3371.7	3360.0	3371.7	3370.4	3329.1	3279.6	3222.0	3135.0	3003.1
-72.5°	2794.6	2830.8	2840.2	2840.0	2840.2	2830.8	2794.6	2751.5	2701.7	2634.3	2531.0
-75°	2256.1	2283.9	2302.5	2314.5	2302.5	2283.9	2256.1	2222.7	2184.0	2133.5	2050.5
-77.5°	1718.0	1734.7	1750.3	1760.7	1750.3	1734.7	1718.0	1696.3	1669.7	1634.0	1566.4
-80°	1169.3	1177.1	1178.8	1176.9	1178.8	1177.1	1169.3	1157.9	1142.9	1122.5	1079.8
-82.5°	696.5	699.8	696.4	690.8	696.4	699.8	696.5	691.2	683.8	674.0	654.2
-85°	341.7	341.9	341.3	339.8	341.3	341.9	341.7	340.6	338.6	335.7	326.5
-87.5°	126.7	127.2	129.4	131.4	129.4	127.2	126.7	126.1	125.2	124.1	120.2
-90°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.3



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	25.4	24.9	24.4	23.5	22.5	21.6	20.6	19.7	18.8	17.8	16.9
87.5°	13.5	11.2	9.0	9.4	9.7	10.0	10.3	9.7	9.2	8.7	8.3
85°	26.4	23.2	20.1	20.4	20.7	20.8	20.9	20.4	19.8	19.0	18.0
82.5°	31.3	31.9	32.2	34.6	36.4	37.7	38.5	38.6	38.1	36.8	34.7
80°	39.4	42.0	44.7	49.7	54.1	57.7	60.5	62.3	63.5	63.9	62.0
77.5°	46.7	50.9	55.5	63.0	70.0	76.4	81.8	85.2	87.1	88.2	85.9
75°	47.3	52.7	59.7	70.3	80.3	89.8	96.7	101.2	105.1	108.2	105.8
72.5°	41.7	46.9	55.3	68.3	81.8	93.5	103.6	112.1	119.1	124.5	120.0
70°	34.0	37.8	45.8	57.9	70.7	84.0	98.4	113.3	128.6	138.5	130.6
67.5°	27.8	29.9	36.0	45.3	56.6	69.3	83.9	100.8	117.2	133.1	130.1
65°	23.8	25.4	29.6	35.9	43.9	53.7	65.0	79.0	96.4	114.4	116.0
62.5°	21.1	22.3	25.2	29.1	34.2	40.5	49.3	61.0	74.5	85.7	91.5
60°	20.6	20.9	23.0	25.4	28.1	32.0	39.4	47.6	56.5	66.1	71.1
57.5°	22.8	23.2	24.6	25.6	26.3	29.2	33.8	39.0	47.2	53.2	56.8
55°	27.6	29.2	30.4	30.4	29.8	31.1	32.3	35.1	41.1	46.8	51.9
52.5°	31.5	34.8	37.6	39.5	39.6	38.3	35.9	36.8	40.2	45.9	50.5
50°	41.1	44.9	46.5	46.8	50.9	50.9	47.9	44.2	49.6	52.3	52.5
47.5°	65.1	69.3	65.4	64.1	71.4	69.5	66.5	66.2	72.7	67.4	65.3
45°	121.8	121.7	111.4	114.6	112.4	108.9	97.0	107.2	109.1	103.1	85.1
42.5°	221.2	211.4	198.5	202.3	197.6	181.7	161.7	166.9	163.5	150.5	139.8
40°	361.0	336.1	324.4	320.7	312.2	289.5	270.6	243.4	234.5	214.7	211.4
37.5°	532.7	494.8	483.8	461.9	444.6	439.9	410.3	360.8	317.2	336.1	312.0
35°	745.1	710.6	704.3	648.8	608.8	693.2	614.9	516.7	494.1	540.4	461.4
32.5°	1087.3	1237.9	1102.7	983.6	1119.1	1138.2	992.5	758.4	873.8	871.5	728.0
30°	2320.1	2349.0	2169.6	1838.9	2037.0	1990.0	1566.4	1510.3	1477.3	1322.1	1080.9
27.5°	4481.9	4016.1	3751.7	3573.0	3288.4	3134.2	2794.5	2443.6	2247.2	1963.1	1583.6
25°	7121.9	6468.3	5881.9	5510.2	5021.0	4525.2	4123.6	3628.2	3203.0	2747.7	2215.5
22.5°	9970.5	9199.3	8391.8	7641.5	6960.0	6269.8	5560.4	4853.4	4250.8	3658.7	2981.5
20°	12999.9	12045.0	10965.1	10029.1	9093.5	8117.4	7135.5	6282.2	5500.4	4663.2	3806.0
17.5°	16568.1	15157.6	13820.4	12607.8	11355.9	10109.4	9082.8	8009.4	6870.9	5721.1	4662.2
15°	20418.4	18707.6	17053.1	15415.5	13849.6	12489.1	11203.6	9838.1	8369.2	6894.5	5635.4
12.5°	24492.9	22343.1	20284.0	18385.2	16651.3	14993.6	13393.4	11752.1	9971.0	8222.1	6776.5
10°	28459.7	25942.2	23638.7	21452.1	19420.4	17496.9	15497.0	13511.0	11496.2	9531.0	7878.2
7.5°	32126.2	29398.7	26817.3	24221.8	21730.5	19511.4	17340.2	15159.0	12955.4	10770.7	8933.0
5°	35180.4	32092.3	29130.1	26266.4	23586.2	21338.0	19072.9	16719.1	14329.5	11931.4	9930.9
2.5°	37244.3	34095.4	31078.7	28056.8	25118.1	22806.3	20423.8	17904.1	15289.0	12697.5	10578.8
0°	38735.6	35263.0	32096.4	28987.9	25834.4	23600.6	21248.7	18727.7	15975.9	13302.9	11155.5
-2.5°	38745.4	35232.5	32065.3	28779.1	25681.4	23258.1	20963.4	18522.3	15978.4	13411.1	11287.1
-5°	38207.6	34744.2	31580.7	28373.5	25274.0	22821.3	20571.7	18238.7	15863.5	13423.1	11340.2
-7.5°	37387.1	34015.7	30848.3	27659.1	24653.1	22261.5	20090.1	17903.8	15654.7	13352.3	11321.4
-10°	36258.1	33054.6	30001.4	26836.4	23945.2	21579.2	19520.8	17488.7	15358.2	13186.2	11230.7
-12.5°	34795.3	31736.7	28898.2	25868.2	23132.7	20935.6	18930.1	16998.3	14991.1	12928.0	11071.7
-15°	32818.4	30161.6	27504.7	24758.6	22237.2	20177.0	18253.7	16370.5	14390.0	12485.1	10848.0
-17.5°	30696.8	28370.7	25997.7	23368.4	21101.3	19293.1	17470.9	15584.9	13628.5	11760.2	10258.2
-20°	28197.1	26074.7	24073.0	21795.4	19626.5	17889.1	16389.6	14672.4	12713.9	10974.6	9550.4



REPORT NUMBER: P701504 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	25244.2	23427.5	21588.9	19683.4	17909.4	16299.9	14840.8	13358.9	11642.6	10068.7	8775.3
-25°	22214.4	20620.9	18973.9	17452.3	15977.8	14524.9	13192.2	11830.7	10472.9	9126.6	7949.9
-27.5°	19262.1	17867.5	16491.8	15274.7	14084.7	12814.5	11554.2	10390.8	9342.8	8264.6	7156.6
-30°	16657.2	15753.0	14546.0	13366.6	12556.9	11438.4	10091.1	9259.8	8425.6	7495.2	6509.4
-32.5°	15000.0	14143.7	13084.8	12147.6	11315.1	10301.1	9284.8	8307.6	7638.4	6838.3	6014.5
-35°	13632.3	12843.0	11992.4	11155.6	10299.2	9442.3	8549.3	7731.1	6968.5	6245.2	5548.0
-37.5°	12316.2	11638.7	10927.7	10176.0	9437.2	8661.5	7888.6	7135.9	6389.3	5742.5	5124.4
-40°	11082.5	10500.0	9919.6	9262.3	8594.2	7912.0	7221.6	6524.1	5878.0	5265.4	4711.5
-42.5°	9939.4	9458.4	8954.7	8371.4	7765.4	7167.9	6551.7	5940.8	5363.6	4825.5	4316.4
-45°	8872.2	8452.9	7993.8	7502.0	6963.9	6437.3	5893.2	5375.0	4872.6	4393.6	3915.8
-47.5°	7879.1	7512.4	7098.9	6672.0	6212.6	5742.8	5299.8	4835.6	4400.3	3961.2	3548.6
-50°	6992.7	6682.3	6319.8	5920.8	5548.8	5152.7	4748.1	4329.5	3948.0	3578.7	3200.0
-52.5°	6272.5	5974.8	5652.3	5306.1	4959.0	4602.8	4229.5	3894.8	3555.0	3226.2	2892.6
-55°	5617.5	5351.0	5064.2	4746.5	4412.5	4124.0	3818.9	3508.0	3203.9	2898.0	2623.6
-57.5°	5070.8	4817.8	4548.4	4268.9	3980.1	3705.5	3430.2	3147.3	2883.5	2629.5	2374.7
-60°	4564.5	4326.9	4086.4	3833.1	3566.7	3305.5	3083.3	2848.9	2602.2	2386.2	2169.4
-62.5°	4105.9	3890.3	3666.6	3447.3	3224.8	3003.8	2792.8	2586.2	2376.9	2171.2	1986.4
-65°	3698.2	3514.6	3317.6	3117.9	2920.8	2727.7	2536.6	2350.1	2172.2	1999.6	1819.9
-67.5°	3293.7	3131.9	2961.9	2789.8	2622.1	2459.8	2295.4	2133.3	1970.4	1811.5	1643.9
-70°	2869.6	2735.8	2597.7	2457.2	2316.0	2176.2	2031.0	1884.7	1742.9	1602.5	1454.0
-72.5°	2424.0	2314.0	2200.5	2085.6	1972.8	1859.4	1738.1	1611.3	1488.7	1371.1	1249.6
-75°	1963.4	1872.6	1780.3	1691.2	1602.3	1514.1	1421.6	1320.8	1222.3	1126.8	1029.2
-77.5°	1496.2	1423.8	1352.3	1289.7	1227.1	1165.0	1099.6	1023.0	947.5	873.0	797.2
-80°	1035.4	989.5	943.9	905.4	864.8	822.4	776.5	721.1	666.2	615.2	566.7
-82.5°	632.6	609.4	585.0	562.5	538.6	513.3	486.4	454.5	422.6	391.0	358.9
-85°	316.6	306.0	294.7	285.6	275.5	264.7	253.0	238.8	223.7	207.9	191.3
-87.5°	116.1	112.0	107.8	104.6	101.3	97.9	94.4	89.3	84.1	79.0	73.9
-90°	4.7	5.2	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6





REPORT NUMBER: P701504 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	16.4	16.0	15.5	15.0	14.5	14.1	13.6	13.1	12.7	12.2	11.8
87.5°	9.9	11.4	12.8	14.0	13.3	12.7	12.1	11.5	11.5	11.3	11.2
85°	18.4	19.0	19.8	20.7	19.5	17.8	16.6	15.5	15.4	15.2	14.8
82.5°	31.4	29.7	28.9	28.3	27.8	26.8	25.1	22.8	20.4	19.1	18.5
80°	55.3	49.2	43.9	39.5	36.9	35.8	34.5	31.9	26.7	23.1	21.1
77.5°	76.8	68.5	61.0	53.6	47.2	42.7	40.3	38.9	32.7	26.8	22.9
75°	95.9	85.2	75.1	65.5	56.4	49.1	43.8	40.1	35.0	30.0	24.5
72.5°	108.6	97.7	87.2	76.1	64.3	54.5	46.8	41.2	36.0	30.9	25.7
70°	118.3	107.6	96.5	83.8	71.1	59.2	49.5	42.8	36.9	31.7	26.4
67.5°	124.8	111.9	100.9	90.1	77.0	64.0	51.8	44.4	38.4	32.4	27.0
65°	112.0	107.7	102.3	91.0	80.0	68.4	55.4	46.5	39.8	33.6	27.6
62.5°	95.3	95.9	92.6	89.0	80.3	69.4	58.8	49.9	41.4	34.7	28.4
60°	74.6	79.0	82.0	80.7	77.0	69.1	60.1	53.2	44.1	35.8	29.3
57.5°	61.8	63.5	68.1	71.5	70.4	66.1	60.8	54.7	46.7	37.7	30.3
55°	53.5	56.2	58.0	60.7	63.2	61.1	60.3	55.6	48.8	39.7	31.6
52.5°	53.2	54.2	54.6	53.7	54.9	56.9	57.8	56.6	49.7	41.5	33.7
50°	55.4	60.2	57.1	53.3	49.1	52.1	55.5	55.0	50.7	43.0	35.9
47.5°	65.4	72.2	68.2	57.3	50.9	48.2	52.6	53.3	51.7	43.9	38.2
45°	92.3	91.4	85.2	71.9	55.9	51.6	50.0	51.9	50.6	46.2	40.4
42.5°	129.1	123.9	110.7	89.3	78.1	58.8	48.2	50.4	49.6	48.9	42.7
40°	193.7	166.4	144.0	130.7	111.6	68.3	55.2	49.3	49.1	51.5	45.3
37.5°	269.3	228.5	189.5	190.3	157.3	106.3	64.4	48.8	52.0	53.8	48.0
35°	379.6	307.8	283.6	271.4	223.2	151.0	74.8	52.4	56.1	56.7	51.0
32.5°	506.5	461.9	445.7	374.0	300.3	202.3	105.7	67.3	61.5	60.2	54.1
30°	805.7	734.6	658.6	492.9	392.2	274.3	156.3	82.6	67.9	64.4	57.2
27.5°	1288.1	1057.9	920.6	685.8	504.7	356.7	219.7	98.2	75.4	69.3	60.5
25°	1808.7	1485.5	1233.5	929.8	627.5	484.1	291.0	115.7	87.0	75.3	64.0
22.5°	2396.6	1947.8	1580.1	1203.1	822.4	632.0	382.6	171.5	100.2	81.9	67.7
20°	2992.7	2416.8	1974.3	1540.3	1076.6	800.0	497.9	230.6	113.4	88.8	71.7
17.5°	3616.2	3013.1	2512.8	1925.6	1361.3	977.0	622.7	291.9	126.4	96.2	75.8
15°	4569.7	3772.1	3090.9	2345.9	1643.6	1160.4	754.2	354.2	139.1	103.8	84.1
12.5°	5560.6	4545.1	3693.9	2790.8	1920.5	1347.1	889.1	416.1	151.4	119.6	97.9
10°	6526.4	5321.7	4310.0	3248.5	2189.1	1534.0	1024.3	497.8	188.6	142.2	111.9
7.5°	7458.8	6090.6	4926.5	3706.4	2467.6	1779.6	1269.2	624.6	230.7	165.1	126.0
5°	8297.2	6765.4	5508.7	4186.7	2847.6	2082.1	1530.8	750.9	273.3	188.1	140.1
2.5°	8861.0	7280.0	6044.0	4635.3	3210.2	2373.1	1784.9	872.6	315.6	210.8	153.8
0°	9361.0	7744.9	6536.0	5041.9	3551.5	2650.5	2023.5	985.5	356.6	232.8	167.1
-2.5°	9487.5	7859.9	6687.9	5290.6	3838.8	2904.1	2239.0	1159.9	489.6	315.1	219.3
-5°	9547.6	7936.2	6801.4	5498.3	4099.2	3140.3	2428.5	1319.2	617.8	395.0	270.2
-7.5°	9560.4	7997.4	6861.9	5647.7	4330.8	3357.9	2590.0	1461.3	738.8	471.5	319.0
-10°	9516.6	8022.0	6845.3	5608.9	4345.3	3447.6	2697.7	1583.9	850.3	543.2	365.0
-12.5°	9414.8	7990.2	6788.2	5522.5	4293.6	3414.4	2628.1	1630.4	946.0	609.0	407.5
-15°	9257.9	7898.2	6690.7	5387.0	4209.4	3359.3	2549.2	1637.6	1004.6	666.7	445.8
-17.5°	8967.2	7742.9	6553.2	5201.1	4091.6	3281.5	2465.1	1634.9	1054.7	716.4	482.3
-20°	8350.2	7348.2	6364.5	4964.0	3939.4	3180.1	2379.6	1623.6	1095.9	759.5	516.4



REPORT NUMBER: P701504 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	7695.3	6789.8	5861.6	4755.6	3778.8	3054.6	2296.1	1604.7	1127.9	795.3	545.5
-25°	6992.6	6222.7	5333.2	4415.1	3623.3	2924.5	2233.2	1579.2	1150.3	823.4	569.2
-27.5°	6334.6	5650.9	4836.4	4079.0	3403.3	2809.1	2184.5	1595.2	1168.9	843.5	587.4
-30°	5707.2	5114.0	4438.6	3769.1	3180.4	2656.5	2132.5	1601.7	1188.4	860.3	599.6
-32.5°	5254.5	4633.6	4077.2	3515.8	2985.2	2495.1	2032.2	1596.1	1197.1	872.1	609.1
-35°	4896.1	4277.8	3739.9	3265.5	2797.2	2343.7	1913.4	1578.4	1194.6	875.7	613.7
-37.5°	4525.9	3972.7	3471.6	3033.6	2603.8	2186.0	1813.9	1501.3	1180.7	870.9	612.3
-40°	4180.5	3672.1	3221.3	2818.2	2420.0	2022.6	1706.7	1424.1	1164.1	857.7	604.8
-42.5°	3822.8	3380.5	2976.6	2598.5	2236.3	1896.0	1595.2	1342.0	1108.1	840.6	591.2
-45°	3485.7	3086.0	2728.8	2392.5	2055.0	1762.9	1499.2	1257.3	1043.7	817.7	574.4
-47.5°	3143.4	2808.8	2492.2	2183.2	1901.8	1630.5	1398.2	1181.8	976.1	786.3	555.8
-50°	2837.9	2544.4	2266.8	2001.9	1742.6	1514.9	1297.4	1102.9	914.2	731.3	531.6
-52.5°	2577.4	2305.3	2064.6	1828.5	1608.3	1394.6	1207.1	1021.9	849.6	679.6	502.0
-55°	2342.9	2092.4	1878.3	1675.6	1477.4	1289.3	1113.6	947.6	782.5	628.0	468.0
-57.5°	2141.3	1900.2	1715.2	1533.1	1358.2	1187.1	1025.0	870.8	719.5	573.9	437.1
-60°	1952.1	1747.4	1561.9	1404.1	1245.4	1088.5	938.5	794.1	655.8	519.2	398.3
-62.5°	1794.9	1599.8	1427.8	1281.2	1137.3	994.3	850.9	720.3	589.7	468.3	355.6
-65°	1638.7	1463.0	1296.2	1166.0	1033.1	898.1	767.2	644.1	525.7	414.8	313.6
-67.5°	1478.9	1321.9	1177.3	1052.1	924.1	799.6	680.3	567.2	460.0	358.8	276.7
-70°	1309.6	1175.3	1046.4	925.1	809.0	696.8	589.2	488.0	391.6	310.8	237.9
-72.5°	1125.6	1007.9	897.3	791.8	686.8	587.5	494.3	408.1	331.2	260.9	197.5
-75°	928.0	829.8	736.4	646.5	558.0	475.0	401.9	333.9	268.7	209.2	160.8
-77.5°	716.5	639.6	567.1	499.8	432.0	369.0	311.2	257.5	207.2	164.1	125.0
-80°	512.5	459.4	407.7	357.0	306.7	260.7	224.4	189.2	152.3	118.6	88.2
-82.5°	320.7	288.4	258.6	229.9	201.3	173.9	147.8	122.8	96.4	72.3	58.3
-85°	172.6	154.5	137.0	120.1	102.7	86.2	78.0	70.0	60.2	51.2	42.9
-87.5°	70.3	66.6	62.9	59.1	54.6	50.2	45.9	41.6	36.5	31.8	27.4
-90°	6.1	6.6	7.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	11.3	10.8	10.4	9.9	9.4	8.5	7.5
87.5°	10.9	10.0	9.3	8.7	8.2	7.8	7.5
85°	14.3	12.5	11.1	9.8	8.8	8.1	7.5
82.5°	17.6	15.0	12.8	11.0	9.5	8.4	7.5
80°	20.5	17.5	14.6	12.1	10.1	8.6	7.5
77.5°	20.9	19.1	16.3	13.2	10.7	8.9	7.5
75°	21.2	19.2	17.6	14.3	11.3	9.2	7.5
72.5°	21.5	19.2	17.5	15.3	12.0	9.5	7.5
70°	21.8	19.3	17.4	16.1	12.5	9.7	7.5
67.5°	22.6	19.2	17.2	15.9	13.1	10.0	7.5
65°	23.3	19.5	17.0	15.7	13.7	10.2	7.5
62.5°	24.0	20.2	16.8	15.4	14.2	10.5	7.5
60°	24.7	20.8	16.6	15.2	14.7	10.7	7.5
57.5°	25.9	21.5	17.1	14.9	14.6	10.9	7.5
55°	27.1	22.1	17.6	14.6	14.5	11.2	7.5
52.5°	28.3	22.7	18.1	14.3	14.5	11.4	7.5
50°	29.5	23.8	18.6	13.9	14.4	11.6	7.5
47.5°	30.8	24.8	19.0	13.7	14.4	11.8	7.5
45°	32.7	25.9	19.4	14.1	14.3	11.9	7.5
42.5°	34.6	26.9	19.8	14.4	14.4	12.1	7.5
40°	36.5	27.9	20.4	15.0	14.4	12.3	7.5
37.5°	38.3	28.8	21.1	15.7	14.4	12.4	7.5
35°	40.1	30.1	21.8	16.6	14.5	12.5	7.5
32.5°	42.0	31.4	22.5	17.4	14.6	12.7	7.5
30°	44.4	32.7	23.1	18.3	14.7	12.8	7.5
27.5°	46.8	34.0	25.0	19.1	14.9	12.9	7.5
25°	49.3	35.1	27.1	20.0	15.0	12.9	7.5
22.5°	51.7	37.2	29.2	20.9	15.2	13.0	7.5
20°	54.1	41.9	31.4	21.8	15.4	13.1	7.5
17.5°	60.4	46.9	33.7	22.7	15.6	13.1	7.5
15°	69.2	52.0	36.0	23.6	15.8	13.1	7.5
12.5°	78.2	57.2	38.3	24.5	16.0	13.2	7.5
10°	87.2	62.5	40.6	25.3	16.2	13.2	7.5
7.5°	96.2	67.7	42.8	26.1	16.4	13.2	7.5
5°	105.1	72.9	44.9	26.8	16.5	13.2	7.5
2.5°	113.7	77.9	46.9	27.6	16.7	13.1	7.5
0°	122.0	82.6	48.8	28.2	16.9	13.1	7.5
-2.5°	153.6	100.3	58.3	32.4	18.1	13.3	7.5
-5°	184.4	117.5	67.5	36.4	19.3	13.6	7.5
-7.5°	213.8	133.9	76.4	40.3	20.5	13.8	7.5
-10°	241.5	149.4	84.8	44.0	21.6	14.0	7.5
-12.5°	267.1	163.7	92.5	47.4	22.7	14.2	7.5
-15°	290.2	176.8	99.6	50.5	23.7	14.3	7.5
-17.5°	310.3	188.4	105.9	53.3	24.6	14.5	7.5
-20°	330.1	198.3	111.4	55.7	25.4	14.6	7.5



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	351.1	206.4	115.8	57.7	26.1	14.7	7.5
-25°	368.5	217.0	119.3	59.2	26.8	14.8	7.5
-27.5°	382.1	227.2	121.7	60.3	27.3	14.8	7.5
-30°	391.6	234.8	123.2	60.9	27.7	14.9	7.5
-32.5°	397.0	239.8	127.0	60.9	28.0	14.9	7.5
-35°	401.3	242.1	129.3	60.4	28.2	14.8	7.5
-37.5°	402.9	242.6	130.0	59.3	28.3	14.8	7.5
-40°	400.3	242.8	129.2	57.7	28.2	14.7	7.5
-42.5°	393.5	240.3	128.1	56.1	28.0	14.6	7.5
-45°	382.5	235.4	126.8	55.1	27.6	14.5	7.5
-47.5°	367.4	228.0	124.2	53.4	27.1	14.3	7.5
-50°	353.4	218.0	120.4	52.8	26.5	14.1	7.5
-52.5°	336.7	205.6	115.2	52.3	25.8	13.9	7.5
-55°	316.6	195.1	108.7	51.1	24.9	13.7	7.5
-57.5°	293.2	183.5	101.0	49.3	24.0	13.4	7.5
-60°	267.5	170.0	92.4	46.9	22.9	13.2	7.5
-62.5°	245.9	154.8	86.2	44.0	22.0	12.9	7.5
-65°	221.9	137.9	79.0	40.6	21.1	12.5	7.5
-67.5°	195.7	121.9	71.0	36.6	20.2	12.2	7.5
-70°	167.5	106.9	62.1	32.3	19.1	11.8	7.5
-72.5°	142.4	90.8	52.4	29.5	18.1	11.4	7.5
-75°	116.5	73.5	42.2	27.0	16.9	11.0	7.5
-77.5°	89.2	55.4	36.3	24.4	15.7	10.6	7.5
-80°	60.9	43.8	31.4	21.6	14.5	10.2	7.5
-82.5°	47.3	35.8	26.3	18.8	13.3	9.8	7.5
-85°	35.4	27.6	21.0	15.8	12.0	9.3	7.5
-87.5°	23.4	19.2	15.7	12.9	10.7	8.9	7.5
-90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)



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

Scaled Data Report

