

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: P701480 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-70-7F-CV2-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701480 (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-40-70-7F-CV2-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

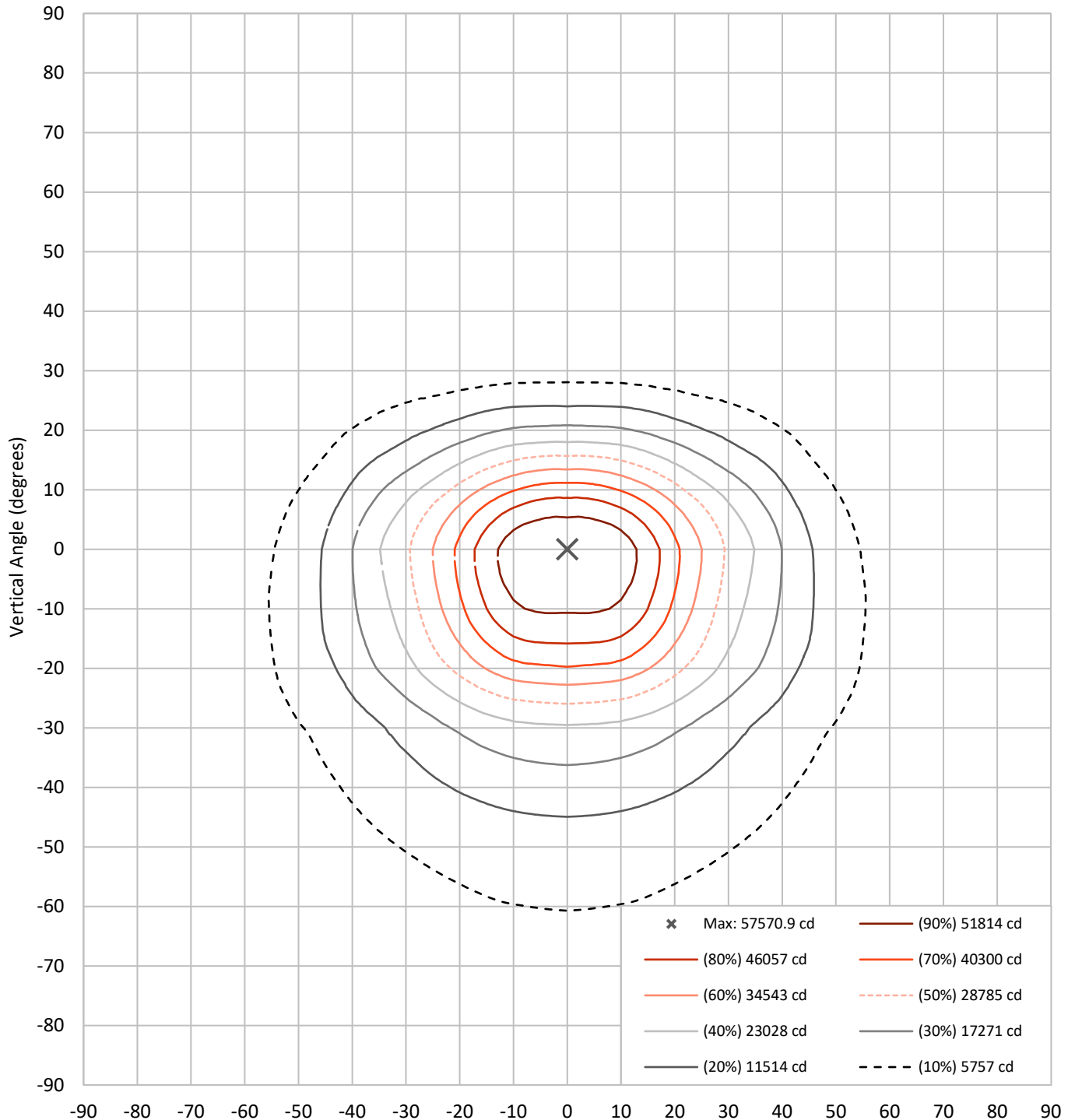
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	50367.8 lumens	Max Intensity:	57570.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	76.5 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:	24417.8 lumens	Field Lumens:	45745.8 lumens
Beam Efficiency:	48.5%	Field Efficiency:	90.8%

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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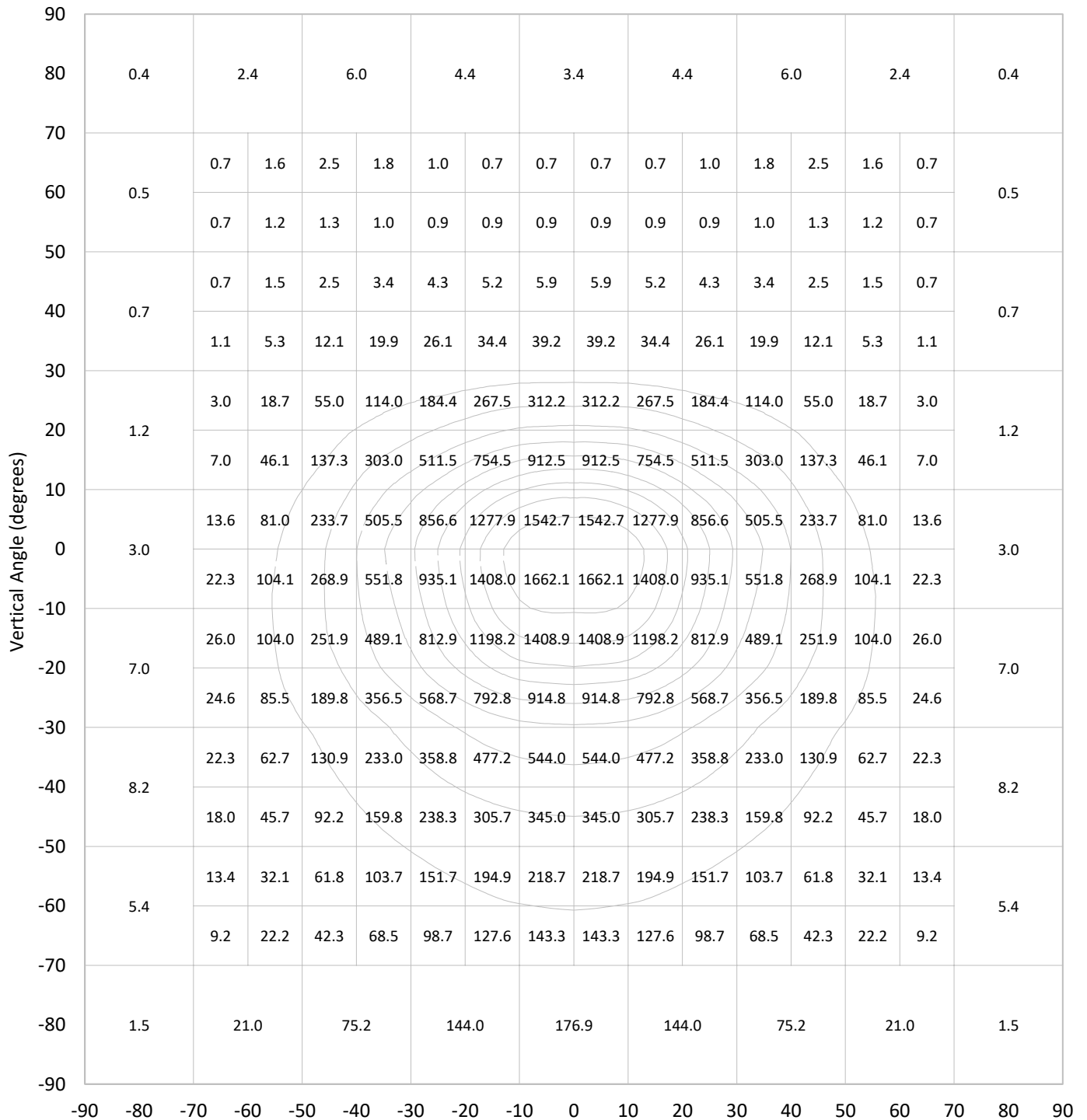
### Iso-Candela Plot





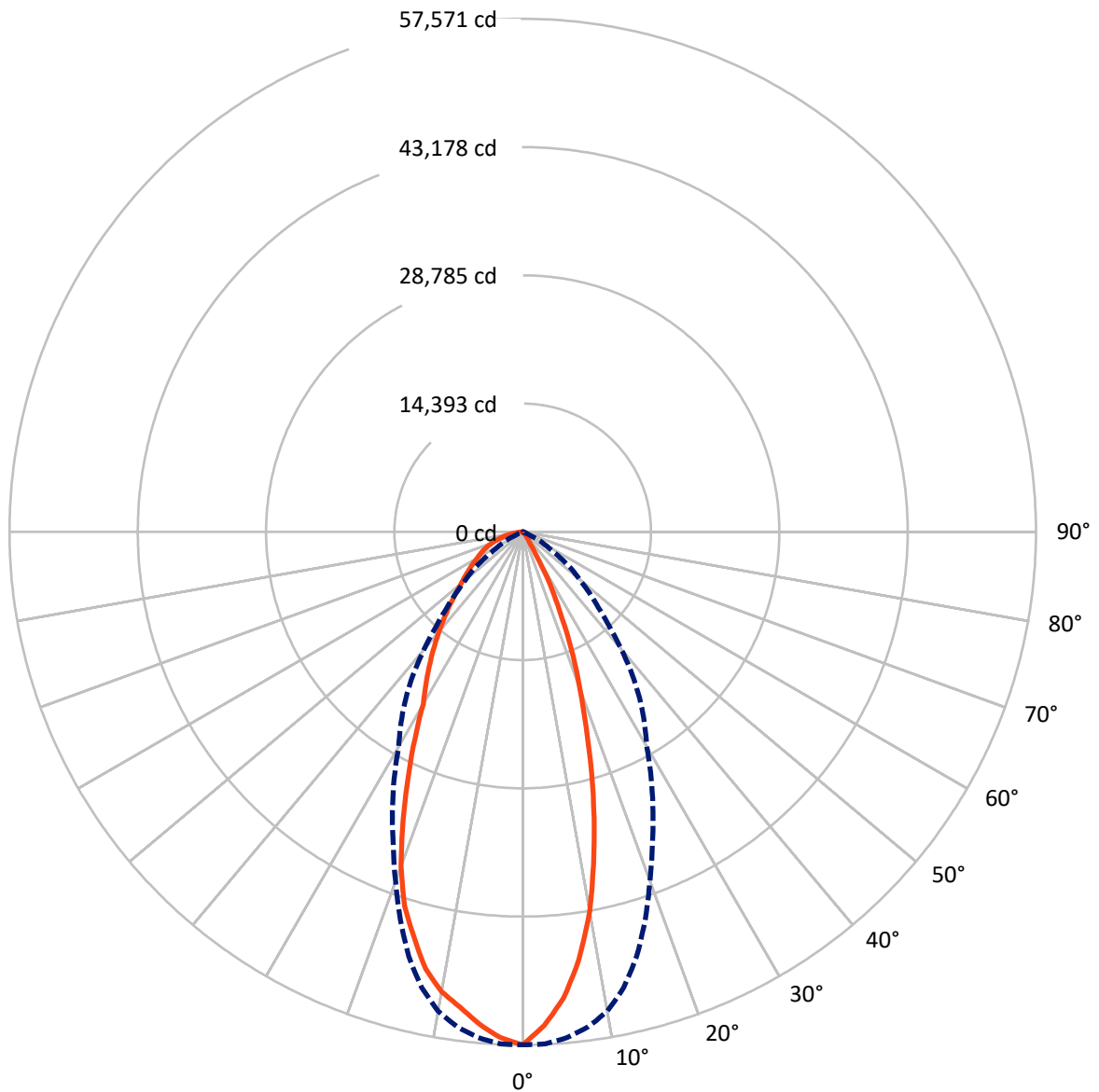
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### Lumen Table



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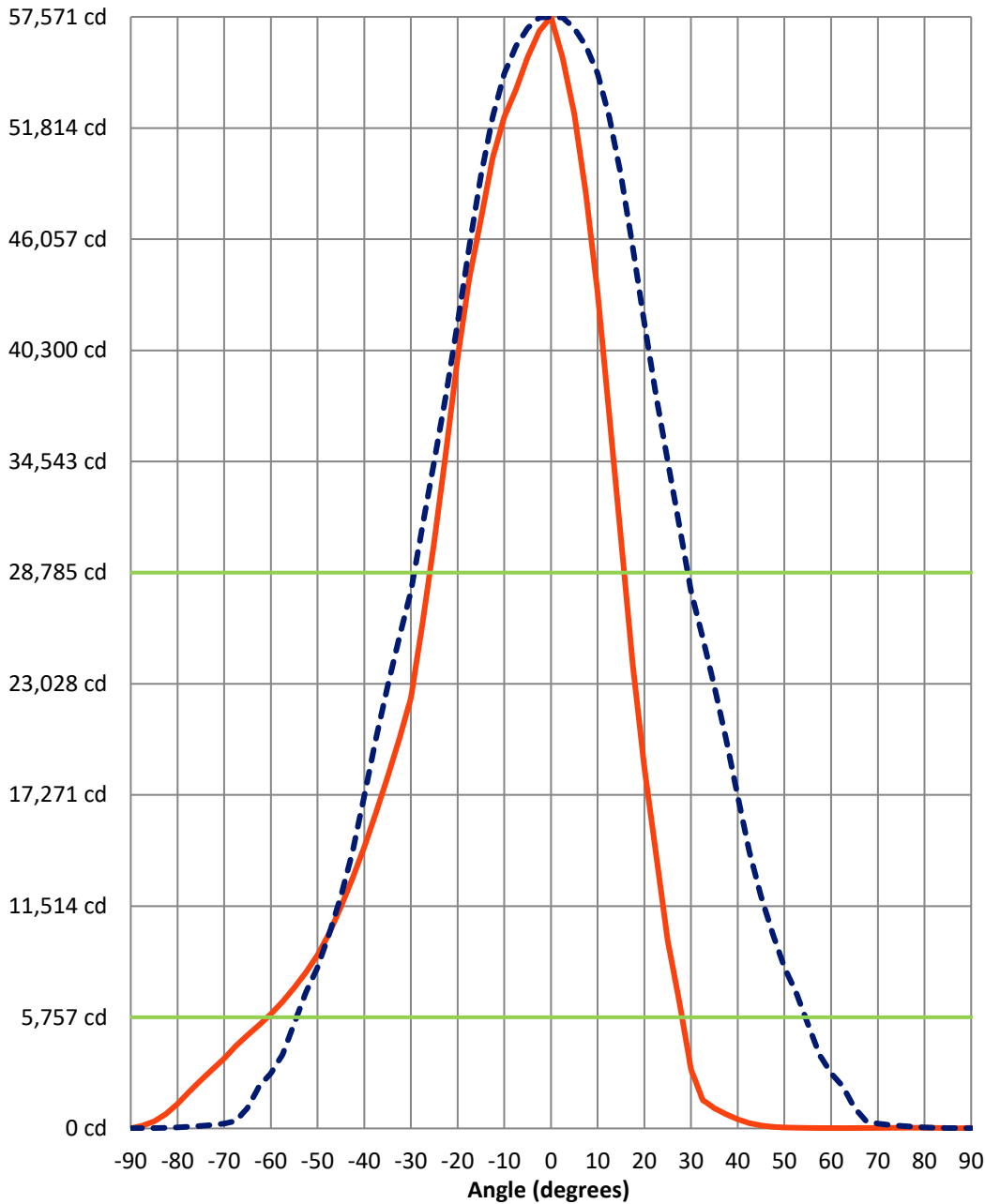
### Luminous Intensity Polar Plot



— 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: 24417.8  
 Efficiency: 48.5%

**Field:**  
 H Angle: 109°  
 V Angle: 88.8°  
 Lumens: 45745.8  
 Efficiency: 90.8%

**Spill:**  
 Lumens: 4622  
 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°	8.1	9.1	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1
87.5°	8.1	8.4	8.8	9.4	10.0	10.8	11.7	12.0	12.2	12.3	12.4
85°	8.1	8.7	9.5	10.6	11.9	13.5	15.4	16.0	16.4	16.6	16.7
82.5°	8.1	9.0	10.2	11.8	13.8	16.2	19.0	19.9	20.6	21.9	24.6
80°	8.1	9.3	10.9	13.1	15.7	18.9	22.1	22.7	24.8	28.8	34.4
77.5°	8.1	9.6	11.6	14.2	17.5	20.6	22.6	24.7	28.9	35.2	41.9
75°	8.1	9.9	12.3	15.4	19.0	20.7	22.9	26.4	32.3	37.7	43.1
72.5°	8.1	10.2	12.9	16.6	18.9	20.8	23.2	27.7	33.3	38.8	44.3
70°	8.1	10.5	13.5	17.4	18.8	20.8	23.5	28.5	34.1	39.8	46.0
67.5°	8.1	10.8	14.2	17.2	18.6	20.7	24.3	29.1	34.9	41.4	47.8
65°	8.1	11.0	14.8	16.9	18.4	21.1	25.1	29.7	36.2	42.9	50.1
62.5°	8.1	11.3	15.4	16.7	18.1	21.8	25.9	30.6	37.4	44.6	53.8
60°	8.1	11.6	15.9	16.4	17.9	22.4	26.6	31.6	38.6	47.6	57.2
57.5°	8.1	11.8	15.8	16.1	18.4	23.1	27.8	32.6	40.6	50.3	58.9
55°	8.1	12.0	15.7	15.7	18.9	23.8	29.1	34.0	42.8	52.5	59.9
52.5°	8.1	12.3	15.6	15.4	19.5	24.5	30.4	36.3	44.7	53.6	60.9
50°	8.1	12.5	15.5	15.0	20.0	25.6	31.7	38.7	46.3	54.7	59.2
47.5°	8.1	12.7	15.5	14.8	20.4	26.7	33.2	41.1	47.3	55.7	57.5
45°	8.1	12.9	15.5	15.1	20.9	27.8	35.2	43.5	49.8	54.5	56.0
42.5°	8.1	13.0	15.5	15.5	21.3	28.9	37.3	46.0	52.7	53.4	54.3
40°	8.1	13.2	15.5	16.1	21.9	30.0	39.3	48.8	55.5	52.9	53.2
37.5°	8.1	13.4	15.6	16.9	22.7	31.0	41.3	51.8	57.9	56.0	52.6
35°	8.1	13.5	15.6	17.8	23.5	32.3	43.2	54.9	61.1	60.5	56.5
32.5°	8.1	13.6	15.8	18.7	24.2	33.8	45.3	58.3	64.9	66.2	72.5
30°	8.1	13.8	15.9	19.6	24.9	35.2	47.8	61.7	69.4	73.2	89.0
27.5°	8.1	13.9	16.0	20.6	26.9	36.6	50.5	65.1	74.7	81.3	105.8
25°	8.1	13.9	16.2	21.5	29.1	37.8	53.1	68.9	81.1	93.7	124.5
22.5°	8.1	14.0	16.4	22.5	31.4	40.1	55.7	73.0	88.2	108.0	184.7
20°	8.1	14.1	16.6	23.5	33.8	45.2	58.3	77.2	95.7	122.1	248.4
17.5°	8.1	14.1	16.8	24.4	36.3	50.5	65.0	81.6	103.6	136.1	314.4
15°	8.1	14.2	17.0	25.4	38.8	56.0	74.5	90.6	111.8	149.8	381.4
12.5°	8.1	14.2	17.2	26.3	41.2	61.6	84.2	105.4	128.8	163.1	448.1
10°	8.1	14.2	17.4	27.2	43.7	67.3	94.0	120.5	153.1	203.2	536.0
7.5°	8.1	14.2	17.6	28.0	46.1	72.9	103.7	135.7	177.8	248.5	672.7
5°	8.1	14.2	17.8	28.8	48.4	78.5	113.2	150.8	202.6	294.4	808.6
2.5°	8.1	14.1	18.0	29.6	50.6	83.8	122.5	165.6	227.0	339.9	939.6
0°	<b>8.1</b>	<b>14.1</b>	<b>18.2</b>	<b>30.3</b>	<b>52.6</b>	<b>88.9</b>	<b>131.4</b>	<b>179.9</b>	<b>250.7</b>	<b>384.1</b>	<b>1061.2</b>
-2.5°	8.1	14.4	19.5	34.8	62.8	108.0	165.5	236.2	339.3	527.3	1249.0
-5°	8.1	14.6	20.8	39.1	72.8	126.5	198.6	290.9	425.4	665.4	1420.6
-7.5°	8.1	14.8	22.1	43.3	82.3	144.2	230.3	343.5	507.7	795.7	1573.6
-10°	8.1	15.1	23.3	47.3	91.3	160.8	260.1	393.0	584.9	915.7	1705.7
-12.5°	8.1	15.3	24.4	51.0	99.7	176.3	287.6	438.8	655.8	1018.8	1755.7
-15°	8.1	15.4	25.5	54.3	107.3	190.4	312.5	480.0	717.9	1081.8	1763.5
-17.5°	8.1	15.6	26.4	57.3	114.1	202.9	334.2	519.3	771.5	1135.7	1760.7
-20°	8.1	15.7	27.3	59.9	119.9	213.6	355.5	556.0	817.8	1180.1	1748.5



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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°	8.1	15.8	28.1	62.1	124.7	222.3	378.1	587.4	856.4	1214.6	1728.1
-25°	8.1	15.9	28.8	63.7	128.4	233.7	396.8	613.0	886.7	1238.8	1700.7
-27.5°	8.1	16.0	29.4	64.9	131.0	244.7	411.5	632.5	908.4	1258.7	1717.9
-30°	8.1	16.0	29.8	65.5	132.7	252.9	421.8	645.7	926.5	1279.8	1724.8
-32.5°	8.1	16.0	30.2	65.5	136.7	258.2	427.6	655.9	939.2	1289.1	1718.8
-35°	8.1	16.0	30.4	65.0	139.2	260.7	432.2	660.8	943.0	1286.4	1699.8
-37.5°	8.1	15.9	30.4	63.8	140.0	261.3	433.9	659.3	937.8	1271.5	1616.8
-40°	8.1	15.9	30.3	62.1	139.1	261.4	431.1	651.3	923.6	1253.6	1533.6
-42.5°	8.1	15.7	30.1	60.4	137.8	258.8	423.8	636.7	905.2	1193.3	1445.2
-45°	8.1	15.6	29.7	59.3	136.5	253.5	412.0	618.6	880.6	1123.9	1353.9
-47.5°	8.1	15.4	29.2	57.4	133.7	245.5	395.7	598.6	846.8	1051.1	1272.7
-50°	8.1	15.2	28.6	56.8	129.6	234.8	380.6	572.5	787.5	984.5	1187.7
-52.5°	8.1	15.0	27.8	56.2	124.0	221.4	362.6	540.6	731.9	914.9	1100.4
-55°	8.1	14.8	26.9	55.0	117.0	210.1	340.9	504.1	676.3	842.7	1020.4
-57.5°	8.1	14.5	25.8	53.1	108.7	197.6	315.7	470.7	618.0	774.8	937.7
-60°	8.1	14.2	24.7	50.5	99.4	183.1	288.0	428.9	559.1	706.2	855.2
-62.5°	8.1	13.8	23.8	47.4	92.8	166.7	264.7	382.9	504.3	635.0	775.7
-65°	8.1	13.5	22.8	43.7	85.1	148.5	238.9	337.7	446.7	566.1	693.6
-67.5°	8.1	13.1	21.7	39.5	76.4	131.3	210.7	297.9	386.4	495.4	610.8
-70°	8.1	12.7	20.6	34.8	66.8	115.1	180.3	256.2	334.7	421.8	525.5
-72.5°	8.1	12.3	19.5	31.8	56.5	97.7	153.3	212.7	281.0	356.7	439.5
-75°	8.1	11.9	18.2	29.1	45.4	79.2	125.4	173.2	225.3	289.4	359.6
-77.5°	8.1	11.5	17.0	26.2	39.1	59.7	96.1	134.6	176.7	223.2	277.4
-80°	8.1	11.0	15.6	23.3	33.8	47.2	65.6	95.0	127.8	164.1	203.8
-82.5°	8.1	10.5	14.3	20.2	28.3	38.5	50.9	62.8	77.9	103.8	132.3
-85°	8.1	10.1	12.9	17.0	22.6	29.7	38.2	46.2	55.1	64.9	75.4
-87.5°	8.1	9.6	11.5	13.8	16.9	20.7	25.2	29.5	34.2	39.3	44.8
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1





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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°	14.6	15.2	15.7	16.2	16.7	17.2	17.7	18.2	19.2	20.2	21.2
87.5°	13.0	13.6	14.3	15.0	13.8	12.3	10.7	8.9	9.4	9.9	10.5
85°	17.9	19.2	20.9	22.3	21.3	20.4	19.8	19.3	20.4	21.3	22.0
82.5°	27.0	28.8	30.0	30.5	31.1	32.1	33.8	37.3	39.6	41.0	41.5
80°	37.1	38.6	39.7	42.6	47.3	53.0	59.6	66.8	68.8	68.4	67.1
77.5°	43.4	46.0	50.8	57.7	65.7	73.8	82.8	92.5	95.0	93.8	91.8
75°	47.2	52.9	60.8	70.5	80.9	91.8	103.3	113.9	116.6	113.1	109.0
72.5°	50.4	58.7	69.2	82.0	94.0	105.2	116.9	129.2	134.0	128.3	120.7
70°	53.3	63.8	76.6	90.3	103.9	115.8	127.3	140.6	149.1	138.4	122.0
67.5°	55.8	68.9	82.9	97.0	108.7	120.5	134.4	140.1	143.3	126.2	108.5
65°	59.6	73.6	86.2	98.0	110.2	116.0	120.6	124.9	123.2	103.8	85.1
62.5°	63.4	74.8	86.4	95.9	99.8	103.3	102.7	98.6	92.3	80.3	65.7
60°	64.7	74.4	82.9	87.0	88.3	85.1	80.3	76.6	71.2	60.9	51.2
57.5°	65.5	71.2	75.9	77.1	73.4	68.4	66.5	61.2	57.3	50.8	42.0
55°	64.9	65.8	68.1	65.3	62.4	60.5	57.6	55.9	50.3	44.2	37.8
52.5°	62.2	61.3	59.2	57.9	58.7	58.3	57.3	54.4	49.4	43.3	39.6
50°	59.8	56.2	52.8	57.4	61.5	64.9	59.7	56.5	56.3	53.4	47.5
47.5°	56.7	51.9	54.8	61.7	73.4	77.8	70.5	70.3	72.7	78.3	71.3
45°	53.9	55.6	60.2	77.5	91.8	98.4	99.5	91.7	111.0	117.4	115.5
42.5°	51.9	63.4	84.1	96.2	119.2	133.4	139.1	150.6	162.0	176.1	179.7
40°	59.4	73.5	120.1	140.7	155.1	179.3	208.5	227.6	231.2	252.5	262.1
37.5°	69.3	114.4	169.4	205.0	204.1	246.1	290.0	336.0	361.9	341.5	388.5
35°	80.5	162.6	240.4	292.2	305.4	331.4	408.8	496.9	581.9	532.1	556.4
32.5°	113.8	217.8	323.4	402.8	479.9	497.5	545.5	784.0	938.5	941.0	816.8
30°	168.3	295.4	422.4	530.7	709.2	791.1	867.6	1164.0	1423.7	1590.9	1626.4
27.5°	236.6	384.1	543.4	738.5	991.4	1139.2	1387.1	1705.4	2114.0	2420.0	2631.4
25°	313.4	521.3	675.7	1001.2	1328.3	1599.7	1947.7	2385.8	2958.9	3449.2	3907.1
22.5°	412.0	680.6	885.6	1295.6	1701.6	2097.5	2580.9	3210.7	3939.9	4577.6	5226.4
20°	536.2	861.4	1159.3	1658.8	2126.0	2602.6	3222.8	4098.5	5021.7	5923.2	6765.0
17.5°	670.6	1052.1	1465.9	2073.6	2705.9	3244.8	3894.1	5020.6	6160.9	7399.0	8625.0
15°	812.2	1249.5	1769.9	2526.2	3328.5	4062.1	4921.0	6068.7	7424.5	9012.5	10594.3
12.5°	957.5	1450.6	2068.1	3005.3	3977.8	4894.5	5988.0	7297.5	8854.1	10737.4	12655.4
10°	1103.1	1651.9	2357.3	3498.1	4641.3	5730.8	7028.1	8483.8	10263.7	12379.9	14549.5
7.5°	1366.8	1916.3	2657.3	3991.2	5305.2	6558.8	8032.2	9619.6	11598.7	13951.2	16324.3
5°	1648.5	2242.1	3066.5	4508.5	5932.2	7285.4	8935.0	10694.2	12848.6	15431.0	18004.2
2.5°	1922.1	2555.5	3456.9	4991.5	6508.6	7839.6	9542.1	11392.0	13673.6	16464.3	19280.3
0°	2179.0	2854.2	3824.5	5429.4	7038.4	8340.2	10080.6	12013.1	14325.5	17204.0	20167.3
-2.5°	2411.1	3127.3	4133.9	5697.2	7202.0	8464.1	10216.8	12154.8	14442.0	17206.7	19946.2
-5°	2615.2	3381.7	4414.2	5920.9	7324.2	8546.3	10281.5	12211.8	14454.9	17082.9	19640.8
-7.5°	2789.0	3616.0	4663.6	6081.8	7389.3	8612.1	10295.3	12191.6	14378.6	16858.0	19280.1
-10°	2905.1	3712.6	4679.3	6040.0	7371.5	8638.6	10248.2	12094.0	14199.7	16538.8	18833.1
-12.5°	2830.1	3676.8	4623.6	5947.0	7310.0	8604.3	10138.5	11922.7	13921.8	16143.4	18305.0
-15°	2745.1	3617.6	4533.0	5801.1	7205.0	8505.3	9969.5	11681.9	13444.8	15496.1	17628.9
-17.5°	2654.6	3533.8	4406.1	5600.9	7056.9	8338.0	9656.5	11046.7	12664.2	14676.1	16782.9
-20°	2562.5	3424.6	4242.2	5345.6	6853.7	7913.0	8992.1	10284.5	11818.2	13691.2	15800.2



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2472.7	3289.4	4069.3	5121.2	6312.2	7311.8	8286.9	9449.8	10842.7	12537.6	14385.8
-25°	2404.9	3149.3	3901.9	4754.5	5743.1	6701.1	7530.1	8561.1	9828.1	11277.9	12740.1
-27.5°	2352.4	3025.1	3664.9	4392.6	5208.2	6085.3	6821.6	7706.8	8899.8	10061.0	11189.5
-30°	2296.5	2860.7	3424.9	4058.8	4779.8	5507.1	6146.0	7009.8	8071.3	9073.2	9971.6
-32.5°	2188.5	2686.9	3214.7	3786.1	4390.6	4989.8	5658.4	6476.8	7364.0	8225.5	8946.2
-35°	2060.6	2523.9	3012.2	3516.5	4027.3	4606.6	5272.5	5974.5	6725.2	7504.1	8325.3
-37.5°	1953.4	2354.1	2803.9	3266.8	3738.4	4278.0	4873.7	5518.3	6183.9	6880.5	7684.4
-40°	1838.0	2178.1	2606.0	3034.8	3468.9	3954.4	4501.9	5073.7	5670.1	6329.8	7025.6
-42.5°	1717.9	2041.8	2408.2	2798.1	3205.4	3640.3	4116.6	4648.2	5196.4	5775.9	6397.4
-45°	1614.4	1898.4	2213.1	2576.4	2938.5	3323.2	3753.6	4216.8	4731.3	5247.2	5788.2
-47.5°	1505.7	1755.9	2048.1	2351.1	2683.8	3024.7	3385.0	3821.3	4265.6	4738.6	5207.3
-50°	1397.1	1631.4	1876.6	2155.8	2441.1	2740.0	3056.0	3446.0	3853.8	4251.4	4662.3
-52.5°	1299.9	1501.8	1732.0	1969.0	2223.3	2482.6	2775.6	3115.0	3474.2	3828.2	4194.1
-55°	1199.2	1388.3	1590.9	1804.5	2022.7	2253.3	2523.0	2825.3	3120.7	3450.2	3777.7
-57.5°	1103.8	1278.3	1462.6	1651.0	1847.0	2046.3	2305.9	2557.3	2831.7	3105.2	3389.2
-60°	1010.6	1172.2	1341.2	1512.0	1682.0	1881.8	2102.2	2336.1	2569.7	2802.3	3067.9
-62.5°	916.2	1070.8	1224.7	1379.7	1537.6	1722.9	1932.9	2139.1	2338.1	2559.6	2785.0
-65°	826.2	967.1	1112.5	1255.7	1395.8	1575.4	1764.7	1959.8	2153.3	2339.2	2530.7
-67.5°	732.6	861.1	995.2	1133.0	1267.8	1423.5	1592.6	1770.2	1950.8	2121.9	2297.3
-70°	634.5	750.3	871.1	996.2	1126.9	1265.7	1410.3	1565.8	1725.6	1876.9	2029.6
-72.5°	532.3	632.6	739.5	852.7	966.3	1085.4	1212.1	1345.7	1476.5	1603.2	1735.1
-75°	432.8	511.5	600.9	696.2	793.0	893.5	999.4	1108.3	1213.4	1316.3	1422.4
-77.5°	335.1	397.4	465.2	538.2	610.7	688.8	771.5	858.5	940.2	1020.3	1101.6
-80°	241.7	280.8	330.3	384.4	439.0	494.7	551.9	610.2	662.5	717.4	776.5
-82.5°	159.1	187.2	216.7	247.5	278.5	310.5	345.3	386.5	421.0	455.1	489.4
-85°	84.0	92.8	110.5	129.3	147.4	166.3	185.9	206.0	223.9	240.9	257.1
-87.5°	49.4	54.0	58.8	63.7	67.7	71.7	75.7	79.6	85.1	90.6	96.2
-90°	8.1	8.1	8.1	8.1	7.6	7.1	6.6	6.1	6.1	6.1	6.1



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	22.2	23.2	24.3	25.3	26.3	26.8	27.3	27.8	28.3	28.8	29.3
87.5°	11.0	10.7	10.4	10.1	9.7	12.1	14.5	17.1	19.6	17.8	16.0
85°	22.4	22.4	22.3	22.0	21.7	25.0	28.4	31.8	35.2	32.2	29.0
82.5°	41.4	40.6	39.2	37.2	34.7	34.4	33.7	32.5	31.0	29.6	28.4
80°	65.1	62.1	58.2	53.5	48.1	45.2	42.4	39.3	35.9	34.9	34.0
77.5°	88.2	82.3	75.4	67.9	59.8	54.8	50.3	45.5	40.4	39.0	38.2
75°	104.2	96.8	86.5	75.7	64.3	56.7	51.0	45.4	39.9	37.9	36.7
72.5°	111.5	100.6	88.0	73.5	59.6	50.5	44.8	39.7	34.9	32.9	32.0
70°	105.9	90.4	76.1	62.3	49.3	40.7	36.6	33.1	30.2	28.7	27.9
67.5°	90.3	74.6	60.9	48.8	38.8	32.2	30.0	27.9	26.1	25.1	24.8
65°	70.0	57.8	47.3	38.7	31.9	27.4	25.6	23.9	22.3	21.2	20.9
62.5°	53.1	43.7	36.8	31.4	27.1	24.1	22.8	21.6	20.7	20.1	19.6
60°	42.4	34.5	30.3	27.4	24.8	22.6	22.2	22.0	21.8	21.4	20.5
57.5°	36.3	31.5	28.3	27.6	26.5	25.0	24.6	24.4	23.5	22.1	21.4
55°	34.7	33.5	32.1	32.7	32.7	31.5	29.7	28.4	27.2	26.1	26.2
52.5°	38.7	41.3	42.7	42.6	40.5	37.5	34.0	34.5	35.2	35.7	36.3
50°	51.6	54.8	54.8	50.4	50.1	48.3	44.2	46.1	48.7	49.3	49.6
47.5°	71.7	74.8	76.9	69.0	70.4	74.7	70.1	68.8	77.4	81.2	83.0
45°	104.5	117.3	121.0	123.4	119.9	131.1	131.2	126.0	142.6	151.6	154.7
42.5°	174.1	195.7	212.8	217.8	213.7	227.6	238.2	237.4	258.3	273.2	277.1
40°	291.4	311.7	336.2	345.3	349.3	362.0	388.8	406.1	427.1	450.3	462.0
37.5°	441.8	473.7	478.7	497.4	520.9	532.8	573.6	608.4	637.0	680.4	708.3
35°	662.2	746.5	655.6	698.7	758.4	765.2	802.3	882.8	902.9	978.9	1021.0
32.5°	1068.8	1225.7	1205.1	1059.2	1187.4	1333.0	1170.9	1459.3	1433.5	1514.6	1617.8
30°	1686.8	2143.0	2193.6	1980.2	2336.3	2529.5	2498.5	2785.8	2969.9	2947.1	3304.4
27.5°	3009.3	3375.1	3541.2	3847.6	4040.0	4324.9	4826.4	5118.7	5644.2	5920.0	6250.8
25°	4440.6	4873.1	5407.0	5933.8	6334.0	6965.4	7669.4	8222.8	8966.8	9433.5	9773.7
22.5°	5987.8	6751.8	7495.0	8228.9	9036.8	9906.5	10736.9	11696.0	12601.4	13269.9	13775.4
20°	7684.0	8741.3	9792.5	10800.1	11808.0	12970.9	13999.2	15151.8	16263.9	17230.8	17896.6
17.5°	9780.9	10886.4	12228.8	13577.0	14882.7	16322.8	17841.7	19134.1	20693.6	21981.7	22950.5
15°	12064.7	13449.1	14914.2	16600.4	18363.9	20145.7	21988.0	23887.9	25663.4	27310.2	28543.7
12.5°	14422.9	16146.1	17931.3	19798.4	21843.2	24060.6	26375.6	28637.1	30832.3	32642.4	34334.8
10°	16688.2	18841.8	20913.3	23101.1	25455.8	27936.4	30647.4	33341.2	35892.6	38122.3	39943.5
7.5°	18673.1	21011.2	23401.0	26083.7	28878.7	31658.5	34595.7	37617.3	40521.2	43091.4	45220.5
5°	20539.0	22978.2	25399.3	28285.5	31369.4	34559.3	37884.7	41279.1	44414.2	47319.9	49677.9
2.5°	21993.7	24559.4	27048.9	30213.5	33467.7	36716.3	40107.2	43818.5	47315.6	50474.3	52787.8
0°	22882.0	25414.8	27820.2	31216.2	34563.6	37973.6	41713.2	45663.0	49345.9	52371.9	54625.8
-2.5°	22574.8	25046.0	27655.5	30991.3	34530.1	37940.8	41723.8	45709.8	49368.8	52443.8	54644.7
-5°	22153.0	24575.7	27216.8	30554.5	34008.3	37415.0	41144.6	45064.6	48658.2	51683.3	53767.7
-7.5°	21634.4	23972.8	26548.1	29785.2	33219.7	36630.4	40261.0	43970.0	47406.8	50413.8	52375.2
-10°	21021.3	23238.0	25785.9	28899.3	32307.6	35595.4	39045.2	42718.6	46167.8	48902.3	51007.6
-12.5°	20385.3	22544.9	24910.9	27856.7	31119.5	34176.2	37469.9	41007.3	44046.0	46842.6	48692.7
-15°	19656.9	21728.0	23946.6	26661.8	29619.0	32480.0	35341.1	38460.5	41233.3	43720.0	45685.8
-17.5°	18813.9	20776.1	22723.3	25164.7	27996.1	30551.5	33056.5	35772.9	38237.8	40520.9	42222.8
-20°	17649.4	19264.2	21135.2	23470.8	25923.5	28079.0	30364.5	32646.4	34840.9	36773.5	38214.7



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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°	15981.6	17552.8	19286.1	21196.4	23248.4	25228.3	27184.7	29051.7	30837.2	32445.4	33605.4
-25°	14206.3	15641.4	17206.0	18793.9	20432.4	22206.0	23922.0	25463.1	26931.3	28173.9	29129.3
-27.5°	12442.3	13799.5	15167.4	16448.9	17759.5	19240.9	20742.8	22033.1	23276.6	24250.0	24994.9
-30°	10866.7	12317.7	13522.1	14394.0	15664.2	16963.9	17937.5	19111.5	20091.1	20712.3	21512.8
-32.5°	9998.5	11092.9	12184.9	13081.4	14090.6	15230.9	16153.0	17112.0	17938.8	18606.4	19109.8
-35°	9206.5	10168.1	11090.9	12013.1	12914.2	13830.3	14680.1	15489.7	16223.0	16813.3	17279.8
-37.5°	8495.0	9327.3	10162.6	10958.2	11767.7	12533.4	13263.0	13961.2	14577.8	15109.8	15549.5
-40°	7776.7	8520.2	9254.8	9974.2	10682.1	11307.1	11934.4	12511.4	13031.8	13502.6	13887.0
-42.5°	7055.4	7718.8	8362.2	9014.9	9643.1	10185.5	10703.4	11180.4	11626.6	12027.9	12359.5
-45°	6346.3	6932.2	7499.2	8078.6	8608.2	9102.7	9554.2	9955.7	10339.1	10677.3	10956.0
-47.5°	5707.2	6184.3	6690.2	7184.9	7644.6	8089.9	8484.8	8838.3	9174.6	9460.9	9688.4
-50°	5113.1	5548.8	5975.3	6376.0	6805.6	7196.0	7530.2	7855.9	8161.7	8417.3	8609.2
-52.5°	4554.6	4956.6	5340.1	5714.0	6086.7	6434.1	6754.7	7052.5	7319.7	7553.9	7720.2
-55°	4112.5	4441.0	4751.7	5111.4	5453.5	5762.3	6049.4	6338.5	6596.1	6823.6	6962.5
-57.5°	3693.9	3990.3	4286.1	4597.0	4898.0	5188.1	5460.6	5714.0	5951.3	6164.2	6283.9
-60°	3320.4	3559.6	3840.9	4127.8	4400.5	4659.4	4915.3	5153.0	5373.6	5558.9	5664.6
-62.5°	3007.5	3234.8	3472.7	3712.3	3948.4	4189.3	4421.5	4642.3	4851.7	5020.4	5123.2
-65°	2731.6	2937.4	3145.4	3357.6	3572.7	3784.8	3982.5	4176.5	4365.7	4510.4	4603.0
-67.5°	2471.8	2648.9	2823.7	3004.3	3189.6	3372.6	3547.0	3718.9	3887.3	4004.0	4076.5
-70°	2187.2	2343.5	2494.0	2646.0	2797.4	2946.1	3090.2	3234.0	3376.0	3469.7	3531.7
-72.5°	1871.6	2002.3	2124.4	2245.9	2369.6	2491.8	2610.3	2725.6	2836.8	2909.4	2963.0
-75°	1530.9	1630.5	1725.4	1821.2	1917.1	2016.5	2114.3	2208.1	2297.5	2351.9	2393.6
-77.5°	1184.1	1254.6	1321.5	1388.9	1456.2	1533.2	1611.1	1686.8	1759.5	1798.0	1826.6
-80°	836.2	885.6	931.3	975.0	1016.5	1065.6	1115.0	1162.9	1208.8	1230.8	1246.9
-82.5°	523.8	552.8	579.9	605.7	630.0	656.3	681.2	704.4	725.9	736.4	744.3
-85°	272.5	285.1	296.7	307.5	317.4	329.5	341.0	351.6	361.5	364.7	366.8
-87.5°	101.7	105.5	109.1	112.6	116.0	120.6	125.1	129.5	133.8	134.9	135.9
-90°	6.1	6.1	6.1	6.1	6.1	5.6	5.1	4.5	4.0	4.0	4.0



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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°	29.8	30.3	30.3	30.3	30.3	30.3	29.8	29.3	28.8	28.3	27.8
87.5°	14.0	12.1	11.1	10.1	11.1	12.1	14.0	16.0	17.8	19.6	17.1
85°	25.6	22.1	21.2	20.2	21.2	22.1	25.6	29.0	32.2	35.2	31.8
82.5°	27.3	26.3	26.3	26.3	26.3	26.3	27.3	28.4	29.6	31.0	32.5
80°	33.2	32.2	32.3	32.3	32.3	32.2	33.2	34.0	34.9	35.9	39.3
77.5°	37.3	36.4	36.4	36.4	36.4	36.4	37.3	38.2	39.0	40.4	45.5
75°	35.6	34.5	34.4	34.4	34.4	34.5	35.6	36.7	37.9	39.9	45.4
72.5°	31.2	30.5	30.3	30.3	30.3	30.5	31.2	32.0	32.9	34.9	39.7
70°	27.2	26.5	26.3	26.3	26.3	26.5	27.2	27.9	28.7	30.2	33.1
67.5°	24.5	24.4	24.3	24.3	24.3	24.4	24.5	24.8	25.1	26.1	27.9
65°	20.6	20.4	20.2	20.2	20.2	20.4	20.6	20.9	21.2	22.3	23.9
62.5°	19.0	18.4	17.4	16.2	17.4	18.4	19.0	19.6	20.1	20.7	21.6
60°	19.6	18.5	18.2	18.2	18.2	18.5	19.6	20.5	21.4	21.8	22.0
57.5°	20.8	20.3	20.2	20.2	20.2	20.3	20.8	21.4	22.1	23.5	24.4
55°	26.3	26.1	26.2	26.3	26.2	26.1	26.3	26.2	26.1	27.2	28.4
52.5°	36.5	36.2	36.2	36.4	36.2	36.2	36.5	36.3	35.7	35.2	34.5
50°	50.1	50.1	49.6	48.5	49.6	50.1	50.1	49.6	49.3	48.7	46.1
47.5°	84.2	83.0	81.6	80.9	81.6	83.0	84.2	83.0	81.2	77.4	68.8
45°	158.4	157.2	154.9	153.6	154.9	157.2	158.4	154.7	151.6	142.6	126.0
42.5°	283.5	281.3	276.0	272.9	276.0	281.3	283.5	277.1	273.2	258.3	237.4
40°	475.3	477.8	473.7	471.0	473.7	477.8	475.3	462.0	450.3	427.1	406.1
37.5°	730.5	741.2	739.8	735.8	739.8	741.2	730.5	708.3	680.4	637.0	608.4
35°	1040.3	1052.1	1046.1	1045.1	1046.1	1052.1	1040.3	1021.0	978.9	902.9	882.8
32.5°	1540.3	1522.9	1457.7	1475.6	1457.7	1522.9	1540.3	1617.8	1514.6	1433.5	1459.3
30°	3328.5	3392.5	3210.1	3064.4	3210.1	3392.5	3328.5	3304.4	2947.1	2969.9	2785.8
27.5°	6283.5	6421.6	6395.7	6545.2	6395.7	6421.6	6283.5	6250.8	5920.0	5644.2	5118.7
25°	9907.1	9998.6	10004.5	9735.0	10004.5	9998.6	9907.1	9773.7	9433.5	8966.8	8222.8
22.5°	13962.5	14050.9	14212.0	14212.3	14212.0	14050.9	13962.5	13775.4	13269.9	12601.4	11696.0
20°	18359.6	18375.7	18683.6	18705.8	18683.6	18375.7	18359.6	17896.6	17230.8	16263.9	15151.8
17.5°	23632.5	23888.9	24305.0	24062.5	24305.0	23888.9	23632.5	22950.5	21981.7	20693.6	19134.1
15°	29711.0	30283.9	30728.7	30528.9	30728.7	30283.9	29711.0	28543.7	27310.2	25663.4	23887.9
12.5°	35680.5	36583.6	37013.5	36908.4	37013.5	36583.6	35680.5	34334.8	32642.4	30832.3	28637.1
10°	41362.5	42633.7	43090.3	43251.5	43090.3	42633.7	41362.5	39943.5	38122.3	35892.6	33341.2
7.5°	46809.8	47974.6	48666.9	48377.7	48666.9	47974.6	46809.8	45220.5	43091.4	40521.2	37617.3
5°	51181.7	52165.5	52724.7	52525.5	52724.7	52165.5	51181.7	49677.9	47319.9	44414.2	41279.1
2.5°	54277.9	55196.6	55681.3	55437.4	55681.3	55196.6	54277.9	52787.8	50474.3	47315.6	43818.5
0°	56046.8	56982.7	57531.4	57570.9	57531.4	56982.7	56046.8	54625.8	52371.9	49345.9	45663.0
-2.5°	55977.7	56638.8	57024.5	56828.1	57024.5	56638.8	55977.7	54644.7	52443.8	49368.8	45709.8
-5°	54805.8	55364.1	55564.4	55478.8	55564.4	55364.1	54805.8	53767.7	51683.3	48658.2	45064.6
-7.5°	53360.1	53771.8	53909.4	53807.1	53909.4	53771.8	53360.1	52375.2	50413.8	47406.8	43970.0
-10°	51961.4	52372.7	52442.5	52384.1	52442.5	52372.7	51961.4	51007.6	48902.3	46167.8	42718.6
-12.5°	49924.9	50370.8	50385.3	50249.5	50385.3	50370.8	49924.9	48692.7	46842.6	44046.0	41007.3
-15°	46748.7	47113.4	47172.1	47096.1	47172.1	47113.4	46748.7	45685.8	43720.0	41233.3	38460.5
-17.5°	43218.4	43459.8	43721.5	44013.5	43721.5	43459.8	43218.4	42222.8	40520.9	38237.8	35772.9
-20°	38979.7	39268.4	39577.2	39904.1	39577.2	39268.4	38979.7	38214.7	36773.5	34840.9	32646.4



REPORT NUMBER: P701480 (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°	34215.9	34540.4	34857.1	35022.4	34857.1	34540.4	34215.9	33605.4	32445.4	30837.2	29051.7
-25°	29607.8	30003.0	30253.0	30403.6	30253.0	30003.0	29607.8	29129.3	28173.9	26931.3	25463.1
-27.5°	25383.4	25851.9	26082.5	26180.9	26082.5	25851.9	25383.4	24994.9	24250.0	23276.6	22033.1
-30°	21825.3	22113.0	22152.9	22301.9	22152.9	22113.0	21825.3	21512.8	20712.3	20091.1	19111.5
-32.5°	19479.7	19799.3	19993.5	20157.2	19993.5	19799.3	19479.7	19109.8	18606.4	17938.8	17112.0
-35°	17641.9	17931.4	18121.9	18200.5	18121.9	17931.4	17641.9	17279.8	16813.3	16223.0	15489.7
-37.5°	15880.4	16099.2	16232.3	16338.8	16232.3	16099.2	15880.4	15549.5	15109.8	14577.8	13961.2
-40°	14182.0	14399.0	14530.8	14566.1	14530.8	14399.0	14182.0	13887.0	13502.6	13031.8	12511.4
-42.5°	12596.9	12763.9	12878.6	12957.0	12878.6	12763.9	12596.9	12359.5	12027.9	11626.6	11180.4
-45°	11161.5	11308.7	11410.8	11473.4	11410.8	11308.7	11161.5	10956.0	10677.3	10339.1	9955.7
-47.5°	9855.9	9974.4	10055.7	10102.9	10055.7	9974.4	9855.9	9688.4	9460.9	9174.6	8838.3
-50°	8752.4	8858.2	8933.3	8979.0	8933.3	8858.2	8752.4	8609.2	8417.3	8161.7	7855.9
-52.5°	7850.0	7952.9	8028.5	8077.4	8028.5	7952.9	7850.0	7720.2	7553.9	7319.7	7052.5
-55°	7077.9	7172.4	7240.8	7285.1	7240.8	7172.4	7077.9	6962.5	6823.6	6596.1	6338.5
-57.5°	6385.4	6468.9	6526.9	6563.4	6526.9	6468.9	6385.4	6283.9	6164.2	5951.3	5714.0
-60°	5754.8	5830.1	5883.4	5920.6	5883.4	5830.1	5754.8	5664.6	5558.9	5373.6	5153.0
-62.5°	5214.2	5293.3	5335.6	5358.7	5335.6	5293.3	5214.2	5123.2	5020.4	4851.7	4642.3
-65°	4688.0	4764.3	4805.4	4829.1	4805.4	4764.3	4688.0	4603.0	4510.4	4365.7	4176.5
-67.5°	4140.6	4195.5	4237.4	4269.2	4237.4	4195.5	4140.6	4076.5	4004.0	3887.3	3718.9
-70°	3585.1	3629.5	3630.9	3618.3	3630.9	3629.5	3585.1	3531.7	3469.7	3376.0	3234.0
-72.5°	3009.4	3048.4	3058.6	3058.3	3058.6	3048.4	3009.4	2963.0	2909.4	2836.8	2725.6
-75°	2429.5	2459.4	2479.5	2492.4	2479.5	2459.4	2429.5	2393.6	2351.9	2297.5	2208.1
-77.5°	1850.1	1868.0	1884.8	1896.1	1884.8	1868.0	1850.1	1826.6	1798.0	1759.5	1686.8
-80°	1259.2	1267.6	1269.5	1267.4	1269.5	1267.6	1259.2	1246.9	1230.8	1208.8	1162.9
-82.5°	750.1	753.6	749.9	743.9	749.9	753.6	750.1	744.3	736.4	725.9	704.4
-85°	367.9	368.1	367.5	365.9	367.5	368.1	367.9	366.8	364.7	361.5	351.6
-87.5°	136.6	137.1	139.4	141.5	139.4	137.1	136.6	135.9	134.9	133.8	129.5
-90°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	27.3	26.8	26.3	25.3	24.3	23.2	22.2	21.2	20.2	19.2	18.2
87.5°	14.5	12.1	9.7	10.1	10.4	10.7	11.0	10.5	9.9	9.4	8.9
85°	28.4	25.0	21.7	22.0	22.3	22.4	22.4	22.0	21.3	20.4	19.3
82.5°	33.7	34.4	34.7	37.2	39.2	40.6	41.4	41.5	41.0	39.6	37.3
80°	42.4	45.2	48.1	53.5	58.2	62.1	65.1	67.1	68.4	68.8	66.8
77.5°	50.3	54.8	59.8	67.9	75.4	82.3	88.2	91.8	93.8	95.0	92.5
75°	51.0	56.7	64.3	75.7	86.5	96.8	104.2	109.0	113.1	116.6	113.9
72.5°	44.8	50.5	59.6	73.5	88.0	100.6	111.5	120.7	128.3	134.0	129.2
70°	36.6	40.7	49.3	62.3	76.1	90.4	105.9	122.0	138.4	149.1	140.6
67.5°	30.0	32.2	38.8	48.8	60.9	74.6	90.3	108.5	126.2	143.3	140.1
65°	25.6	27.4	31.9	38.7	47.3	57.8	70.0	85.1	103.8	123.2	124.9
62.5°	22.8	24.1	27.1	31.4	36.8	43.7	53.1	65.7	80.3	92.3	98.6
60°	22.2	22.6	24.8	27.4	30.3	34.5	42.4	51.2	60.9	71.2	76.6
57.5°	24.6	25.0	26.5	27.6	28.3	31.5	36.3	42.0	50.8	57.3	61.2
55°	29.7	31.5	32.7	32.7	32.1	33.5	34.7	37.8	44.2	50.3	55.9
52.5°	34.0	37.5	40.5	42.6	42.7	41.3	38.7	39.6	43.3	49.4	54.4
50°	44.2	48.3	50.1	50.4	54.8	54.8	51.6	47.5	53.4	56.3	56.5
47.5°	70.1	74.7	70.4	69.0	76.9	74.8	71.7	71.3	78.3	72.7	70.3
45°	131.2	131.1	119.9	123.4	121.0	117.3	104.5	115.5	117.4	111.0	91.7
42.5°	238.2	227.6	213.7	217.8	212.8	195.7	174.1	179.7	176.1	162.0	150.6
40°	388.8	362.0	349.3	345.3	336.2	311.7	291.4	262.1	252.5	231.2	227.6
37.5°	573.6	532.8	520.9	497.4	478.7	473.7	441.8	388.5	341.5	361.9	336.0
35°	802.3	765.2	758.4	698.7	655.6	746.5	662.2	556.4	532.1	581.9	496.9
32.5°	1170.9	1333.0	1187.4	1059.2	1205.1	1225.7	1068.8	816.8	941.0	938.5	784.0
30°	2498.5	2529.5	2336.3	1980.2	2193.6	2143.0	1686.8	1626.4	1590.9	1423.7	1164.0
27.5°	4826.4	4324.9	4040.0	3847.6	3541.2	3375.1	3009.3	2631.4	2420.0	2114.0	1705.4
25°	7669.4	6965.4	6334.0	5933.8	5407.0	4873.1	4440.6	3907.1	3449.2	2958.9	2385.8
22.5°	10736.9	9906.5	9036.8	8228.9	7495.0	6751.8	5987.8	5226.4	4577.6	3939.9	3210.7
20°	13999.2	12970.9	11808.0	10800.1	9792.5	8741.3	7684.0	6765.0	5923.2	5021.7	4098.5
17.5°	17841.7	16322.8	14882.7	13577.0	12228.8	10886.4	9780.9	8625.0	7399.0	6160.9	5020.6
15°	21988.0	20145.7	18363.9	16600.4	14914.2	13449.1	12064.7	10594.3	9012.5	7424.5	6068.7
12.5°	26375.6	24060.6	21843.2	19798.4	17931.3	16146.1	14422.9	12655.4	10737.4	8854.1	7297.5
10°	30647.4	27936.4	25455.8	23101.1	20913.3	18841.8	16688.2	14549.5	12379.9	10263.7	8483.8
7.5°	34595.7	31658.5	28878.7	26083.7	23401.0	21011.2	18673.1	16324.3	13951.2	11598.7	9619.6
5°	37884.7	34559.3	31369.4	28285.5	25399.3	22978.2	20539.0	18004.2	15431.0	12848.6	10694.2
2.5°	40107.2	36716.3	33467.7	30213.5	27048.9	24559.4	21993.7	19280.3	16464.3	13673.6	11392.0
0°	41713.2	37973.6	34563.6	31216.2	27820.2	25414.8	22882.0	20167.3	17204.0	14325.5	12013.1
-2.5°	41723.8	37940.8	34530.1	30991.3	27655.5	25046.0	22574.8	19946.2	17206.7	14442.0	12154.8
-5°	41144.6	37415.0	34008.3	30554.5	27216.8	24575.7	22153.0	19640.8	17082.9	14454.9	12211.8
-7.5°	40261.0	36630.4	33219.7	29785.2	26548.1	23972.8	21634.4	19280.1	16858.0	14378.6	12191.6
-10°	39045.2	35595.4	32307.6	28899.3	25785.9	23238.0	21021.3	18833.1	16538.8	14199.7	12094.0
-12.5°	37469.9	34176.2	31119.5	27856.7	24910.9	22544.9	20385.3	18305.0	16143.4	13921.8	11922.7
-15°	35341.1	32480.0	29619.0	26661.8	23946.6	21728.0	19656.9	17628.9	15496.1	13444.8	11681.9
-17.5°	33056.5	30551.5	27996.1	25164.7	22723.3	20776.1	18813.9	16782.9	14676.1	12664.2	11046.7
-20°	30364.5	28079.0	25923.5	23470.8	21135.2	19264.2	17649.4	15800.2	13691.2	11818.2	10284.5



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	27184.7	25228.3	23248.4	21196.4	19286.1	17552.8	15981.6	14385.8	12537.6	10842.7	9449.8
-25°	23922.0	22206.0	20432.4	18793.9	17206.0	15641.4	14206.3	12740.1	11277.9	9828.1	8561.1
-27.5°	20742.8	19240.9	17759.5	16448.9	15167.4	13799.5	12442.3	11189.5	10061.0	8899.8	7706.8
-30°	17937.5	16963.9	15664.2	14394.0	13522.1	12317.7	10866.7	9971.6	9073.2	8071.3	7009.8
-32.5°	16153.0	15230.9	14090.6	13081.4	12184.9	11092.9	9998.5	8946.2	8225.5	7364.0	6476.8
-35°	14680.1	13830.3	12914.2	12013.1	11090.9	10168.1	9206.5	8325.3	7504.1	6725.2	5974.5
-37.5°	13263.0	12533.4	11767.7	10958.2	10162.6	9327.3	8495.0	7684.4	6880.5	6183.9	5518.3
-40°	11934.4	11307.1	10682.1	9974.2	9254.8	8520.2	7776.7	7025.6	6329.8	5670.1	5073.7
-42.5°	10703.4	10185.5	9643.1	9014.9	8362.2	7718.8	7055.4	6397.4	5775.9	5196.4	4648.2
-45°	9554.2	9102.7	8608.2	8078.6	7499.2	6932.2	6346.3	5788.2	5247.2	4731.3	4216.8
-47.5°	8484.8	8089.9	7644.6	7184.9	6690.2	6184.3	5707.2	5207.3	4738.6	4265.6	3821.3
-50°	7530.2	7196.0	6805.6	6376.0	5975.3	5548.8	5113.1	4662.3	4251.4	3853.8	3446.0
-52.5°	6754.7	6434.1	6086.7	5714.0	5340.1	4956.6	4554.6	4194.1	3828.2	3474.2	3115.0
-55°	6049.4	5762.3	5453.5	5111.4	4751.7	4441.0	4112.5	3777.7	3450.2	3120.7	2825.3
-57.5°	5460.6	5188.1	4898.0	4597.0	4286.1	3990.3	3693.9	3389.2	3105.2	2831.7	2557.3
-60°	4915.3	4659.4	4400.5	4127.8	3840.9	3559.6	3320.4	3067.9	2802.3	2569.7	2336.1
-62.5°	4421.5	4189.3	3948.4	3712.3	3472.7	3234.8	3007.5	2785.0	2559.6	2338.1	2139.1
-65°	3982.5	3784.8	3572.7	3357.6	3145.4	2937.4	2731.6	2530.7	2339.2	2153.3	1959.8
-67.5°	3547.0	3372.6	3189.6	3004.3	2823.7	2648.9	2471.8	2297.3	2121.9	1950.8	1770.2
-70°	3090.2	2946.1	2797.4	2646.0	2494.0	2343.5	2187.2	2029.6	1876.9	1725.6	1565.8
-72.5°	2610.3	2491.8	2369.6	2245.9	2124.4	2002.3	1871.6	1735.1	1603.2	1476.5	1345.7
-75°	2114.3	2016.5	1917.1	1821.2	1725.4	1630.5	1530.9	1422.4	1316.3	1213.4	1108.3
-77.5°	1611.1	1533.2	1456.2	1388.9	1321.5	1254.6	1184.1	1101.6	1020.3	940.2	858.5
-80°	1115.0	1065.6	1016.5	975.0	931.3	885.6	836.2	776.5	717.4	662.5	610.2
-82.5°	681.2	656.3	630.0	605.7	579.9	552.8	523.8	489.4	455.1	421.0	386.5
-85°	341.0	329.5	317.4	307.5	296.7	285.1	272.5	257.1	240.9	223.9	206.0
-87.5°	125.1	120.6	116.0	112.6	109.1	105.5	101.7	96.2	90.6	85.1	79.6
-90°	5.1	5.6	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1





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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°	17.7	17.2	16.7	16.2	15.7	15.2	14.6	14.1	13.6	13.1	12.6
87.5°	10.7	12.3	13.8	15.0	14.3	13.6	13.0	12.4	12.3	12.2	12.0
85°	19.8	20.4	21.3	22.3	20.9	19.2	17.9	16.7	16.6	16.4	16.0
82.5°	33.8	32.1	31.1	30.5	30.0	28.8	27.0	24.6	21.9	20.6	19.9
80°	59.6	53.0	47.3	42.6	39.7	38.6	37.1	34.4	28.8	24.8	22.7
77.5°	82.8	73.8	65.7	57.7	50.8	46.0	43.4	41.9	35.2	28.9	24.7
75°	103.3	91.8	80.9	70.5	60.8	52.9	47.2	43.1	37.7	32.3	26.4
72.5°	116.9	105.2	94.0	82.0	69.2	58.7	50.4	44.3	38.8	33.3	27.7
70°	127.3	115.8	103.9	90.3	76.6	63.8	53.3	46.0	39.8	34.1	28.5
67.5°	134.4	120.5	108.7	97.0	82.9	68.9	55.8	47.8	41.4	34.9	29.1
65°	120.6	116.0	110.2	98.0	86.2	73.6	59.6	50.1	42.9	36.2	29.7
62.5°	102.7	103.3	99.8	95.9	86.4	74.8	63.4	53.8	44.6	37.4	30.6
60°	80.3	85.1	88.3	87.0	82.9	74.4	64.7	57.2	47.6	38.6	31.6
57.5°	66.5	68.4	73.4	77.1	75.9	71.2	65.5	58.9	50.3	40.6	32.6
55°	57.6	60.5	62.4	65.3	68.1	65.8	64.9	59.9	52.5	42.8	34.0
52.5°	57.3	58.3	58.7	57.9	59.2	61.3	62.2	60.9	53.6	44.7	36.3
50°	59.7	64.9	61.5	57.4	52.8	56.2	59.8	59.2	54.7	46.3	38.7
47.5°	70.5	77.8	73.4	61.7	54.8	51.9	56.7	57.5	55.7	47.3	41.1
45°	99.5	98.4	91.8	77.5	60.2	55.6	53.9	56.0	54.5	49.8	43.5
42.5°	139.1	133.4	119.2	96.2	84.1	63.4	51.9	54.3	53.4	52.7	46.0
40°	208.5	179.3	155.1	140.7	120.1	73.5	59.4	53.2	52.9	55.5	48.8
37.5°	290.0	246.1	204.1	205.0	169.4	114.4	69.3	52.6	56.0	57.9	51.8
35°	408.8	331.4	305.4	292.2	240.4	162.6	80.5	56.5	60.5	61.1	54.9
32.5°	545.5	497.5	479.9	402.8	323.4	217.8	113.8	72.5	66.2	64.9	58.3
30°	867.6	791.1	709.2	530.7	422.4	295.4	168.3	89.0	73.2	69.4	61.7
27.5°	1387.1	1139.2	991.4	738.5	543.4	384.1	236.6	105.8	81.3	74.7	65.1
25°	1947.7	1599.7	1328.3	1001.2	675.7	521.3	313.4	124.5	93.7	81.1	68.9
22.5°	2580.9	2097.5	1701.6	1295.6	885.6	680.6	412.0	184.7	108.0	88.2	73.0
20°	3222.8	2602.6	2126.0	1658.8	1159.3	861.4	536.2	248.4	122.1	95.7	77.2
17.5°	3894.1	3244.8	2705.9	2073.6	1465.9	1052.1	670.6	314.4	136.1	103.6	81.6
15°	4921.0	4062.1	3328.5	2526.2	1769.9	1249.5	812.2	381.4	149.8	111.8	90.6
12.5°	5988.0	4894.5	3977.8	3005.3	2068.1	1450.6	957.5	448.1	163.1	128.8	105.4
10°	7028.1	5730.8	4641.3	3498.1	2357.3	1651.9	1103.1	536.0	203.2	153.1	120.5
7.5°	8032.2	6558.8	5305.2	3991.2	2657.3	1916.3	1366.8	672.7	248.5	177.8	135.7
5°	8935.0	7285.4	5932.2	4508.5	3066.5	2242.1	1648.5	808.6	294.4	202.6	150.8
2.5°	9542.1	7839.6	6508.6	4991.5	3456.9	2555.5	1922.1	939.6	339.9	227.0	165.6
0°	10080.6	8340.2	7038.4	5429.4	3824.5	2854.2	2179.0	1061.2	384.1	250.7	179.9
-2.5°	10216.8	8464.1	7202.0	5697.2	4133.9	3127.3	2411.1	1249.0	527.3	339.3	236.2
-5°	10281.5	8546.3	7324.2	5920.9	4414.2	3381.7	2615.2	1420.6	665.4	425.4	290.9
-7.5°	10295.3	8612.1	7389.3	6081.8	4663.6	3616.0	2789.0	1573.6	795.7	507.7	343.5
-10°	10248.2	8638.6	7371.5	6040.0	4679.3	3712.6	2905.1	1705.7	915.7	584.9	393.0
-12.5°	10138.5	8604.3	7310.0	5947.0	4623.6	3676.8	2830.1	1755.7	1018.8	655.8	438.8
-15°	9969.5	8505.3	7205.0	5801.1	4533.0	3617.6	2745.1	1763.5	1081.8	717.9	480.0
-17.5°	9656.5	8338.0	7056.9	5600.9	4406.1	3533.8	2654.6	1760.7	1135.7	771.5	519.3
-20°	8992.1	7913.0	6853.7	5345.6	4242.2	3424.6	2562.5	1748.5	1180.1	817.8	556.0



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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°	8286.9	7311.8	6312.2	5121.2	4069.3	3289.4	2472.7	1728.1	1214.6	856.4	587.4
-25°	7530.1	6701.1	5743.1	4754.5	3901.9	3149.3	2404.9	1700.7	1238.8	886.7	613.0
-27.5°	6821.6	6085.3	5208.2	4392.6	3664.9	3025.1	2352.4	1717.9	1258.7	908.4	632.5
-30°	6146.0	5507.1	4779.8	4058.8	3424.9	2860.7	2296.5	1724.8	1279.8	926.5	645.7
-32.5°	5658.4	4989.8	4390.6	3786.1	3214.7	2686.9	2188.5	1718.8	1289.1	939.2	655.9
-35°	5272.5	4606.6	4027.3	3516.5	3012.2	2523.9	2060.6	1699.8	1286.4	943.0	660.8
-37.5°	4873.7	4278.0	3738.4	3266.8	2803.9	2354.1	1953.4	1616.8	1271.5	937.8	659.3
-40°	4501.9	3954.4	3468.9	3034.8	2606.0	2178.1	1838.0	1533.6	1253.6	923.6	651.3
-42.5°	4116.6	3640.3	3205.4	2798.1	2408.2	2041.8	1717.9	1445.2	1193.3	905.2	636.7
-45°	3753.6	3323.2	2938.5	2576.4	2213.1	1898.4	1614.4	1353.9	1123.9	880.6	618.6
-47.5°	3385.0	3024.7	2683.8	2351.1	2048.1	1755.9	1505.7	1272.7	1051.1	846.8	598.6
-50°	3056.0	2740.0	2441.1	2155.8	1876.6	1631.4	1397.1	1187.7	984.5	787.5	572.5
-52.5°	2775.6	2482.6	2223.3	1969.0	1732.0	1501.8	1299.9	1100.4	914.9	731.9	540.6
-55°	2523.0	2253.3	2022.7	1804.5	1590.9	1388.3	1199.2	1020.4	842.7	676.3	504.1
-57.5°	2305.9	2046.3	1847.0	1651.0	1462.6	1278.3	1103.8	937.7	774.8	618.0	470.7
-60°	2102.2	1881.8	1682.0	1512.0	1341.2	1172.2	1010.6	855.2	706.2	559.1	428.9
-62.5°	1932.9	1722.9	1537.6	1379.7	1224.7	1070.8	916.2	775.7	635.0	504.3	382.9
-65°	1764.7	1575.4	1395.8	1255.7	1112.5	967.1	826.2	693.6	566.1	446.7	337.7
-67.5°	1592.6	1423.5	1267.8	1133.0	995.2	861.1	732.6	610.8	495.4	386.4	297.9
-70°	1410.3	1265.7	1126.9	996.2	871.1	750.3	634.5	525.5	421.8	334.7	256.2
-72.5°	1212.1	1085.4	966.3	852.7	739.5	632.6	532.3	439.5	356.7	281.0	212.7
-75°	999.4	893.5	793.0	696.2	600.9	511.5	432.8	359.6	289.4	225.3	173.2
-77.5°	771.5	688.8	610.7	538.2	465.2	397.4	335.1	277.4	223.2	176.7	134.6
-80°	551.9	494.7	439.0	384.4	330.3	280.8	241.7	203.8	164.1	127.8	95.0
-82.5°	345.3	310.5	278.5	247.5	216.7	187.2	159.1	132.3	103.8	77.9	62.8
-85°	185.9	166.3	147.4	129.3	110.5	92.8	84.0	75.4	64.9	55.1	46.2
-87.5°	75.7	71.7	67.7	63.7	58.8	54.0	49.4	44.8	39.3	34.2	29.5
-90°	6.6	7.1	7.6	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	12.1	11.6	11.1	10.6	10.1	9.1	8.1
87.5°	11.7	10.8	10.0	9.4	8.8	8.4	8.1
85°	15.4	13.5	11.9	10.6	9.5	8.7	8.1
82.5°	19.0	16.2	13.8	11.8	10.2	9.0	8.1
80°	22.1	18.9	15.7	13.1	10.9	9.3	8.1
77.5°	22.6	20.6	17.5	14.2	11.6	9.6	8.1
75°	22.9	20.7	19.0	15.4	12.3	9.9	8.1
72.5°	23.2	20.8	18.9	16.6	12.9	10.2	8.1
70°	23.5	20.8	18.8	17.4	13.5	10.5	8.1
67.5°	24.3	20.7	18.6	17.2	14.2	10.8	8.1
65°	25.1	21.1	18.4	16.9	14.8	11.0	8.1
62.5°	25.9	21.8	18.1	16.7	15.4	11.3	8.1
60°	26.6	22.4	17.9	16.4	15.9	11.6	8.1
57.5°	27.8	23.1	18.4	16.1	15.8	11.8	8.1
55°	29.1	23.8	18.9	15.7	15.7	12.0	8.1
52.5°	30.4	24.5	19.5	15.4	15.6	12.3	8.1
50°	31.7	25.6	20.0	15.0	15.5	12.5	8.1
47.5°	33.2	26.7	20.4	14.8	15.5	12.7	8.1
45°	35.2	27.8	20.9	15.1	15.5	12.9	8.1
42.5°	37.3	28.9	21.3	15.5	15.5	13.0	8.1
40°	39.3	30.0	21.9	16.1	15.5	13.2	8.1
37.5°	41.3	31.0	22.7	16.9	15.6	13.4	8.1
35°	43.2	32.3	23.5	17.8	15.6	13.5	8.1
32.5°	45.3	33.8	24.2	18.7	15.8	13.6	8.1
30°	47.8	35.2	24.9	19.6	15.9	13.8	8.1
27.5°	50.5	36.6	26.9	20.6	16.0	13.9	8.1
25°	53.1	37.8	29.1	21.5	16.2	13.9	8.1
22.5°	55.7	40.1	31.4	22.5	16.4	14.0	8.1
20°	58.3	45.2	33.8	23.5	16.6	14.1	8.1
17.5°	65.0	50.5	36.3	24.4	16.8	14.1	8.1
15°	74.5	56.0	38.8	25.4	17.0	14.2	8.1
12.5°	84.2	61.6	41.2	26.3	17.2	14.2	8.1
10°	94.0	67.3	43.7	27.2	17.4	14.2	8.1
7.5°	103.7	72.9	46.1	28.0	17.6	14.2	8.1
5°	113.2	78.5	48.4	28.8	17.8	14.2	8.1
2.5°	122.5	83.8	50.6	29.6	18.0	14.1	8.1
0°	131.4	88.9	52.6	30.3	18.2	14.1	8.1
-2.5°	165.5	108.0	62.8	34.8	19.5	14.4	8.1
-5°	198.6	126.5	72.8	39.1	20.8	14.6	8.1
-7.5°	230.3	144.2	82.3	43.3	22.1	14.8	8.1
-10°	260.1	160.8	91.3	47.3	23.3	15.1	8.1
-12.5°	287.6	176.3	99.7	51.0	24.4	15.3	8.1
-15°	312.5	190.4	107.3	54.3	25.5	15.4	8.1
-17.5°	334.2	202.9	114.1	57.3	26.4	15.6	8.1
-20°	355.5	213.6	119.9	59.9	27.3	15.7	8.1



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	378.1	222.3	124.7	62.1	28.1	15.8	8.1
-25°	396.8	233.7	128.4	63.7	28.8	15.9	8.1
-27.5°	411.5	244.7	131.0	64.9	29.4	16.0	8.1
-30°	421.8	252.9	132.7	65.5	29.8	16.0	8.1
-32.5°	427.6	258.2	136.7	65.5	30.2	16.0	8.1
-35°	432.2	260.7	139.2	65.0	30.4	16.0	8.1
-37.5°	433.9	261.3	140.0	63.8	30.4	15.9	8.1
-40°	431.1	261.4	139.1	62.1	30.3	15.9	8.1
-42.5°	423.8	258.8	137.8	60.4	30.1	15.7	8.1
-45°	412.0	253.5	136.5	59.3	29.7	15.6	8.1
-47.5°	395.7	245.5	133.7	57.4	29.2	15.4	8.1
-50°	380.6	234.8	129.6	56.8	28.6	15.2	8.1
-52.5°	362.6	221.4	124.0	56.2	27.8	15.0	8.1
-55°	340.9	210.1	117.0	55.0	26.9	14.8	8.1
-57.5°	315.7	197.6	108.7	53.1	25.8	14.5	8.1
-60°	288.0	183.1	99.4	50.5	24.7	14.2	8.1
-62.5°	264.7	166.7	92.8	47.4	23.8	13.8	8.1
-65°	238.9	148.5	85.1	43.7	22.8	13.5	8.1
-67.5°	210.7	131.3	76.4	39.5	21.7	13.1	8.1
-70°	180.3	115.1	66.8	34.8	20.6	12.7	8.1
-72.5°	153.3	97.7	56.5	31.8	19.5	12.3	8.1
-75°	125.4	79.2	45.4	29.1	18.2	11.9	8.1
-77.5°	96.1	59.7	39.1	26.2	17.0	11.5	8.1
-80°	65.6	47.2	33.8	23.3	15.6	11.0	8.1
-82.5°	50.9	38.5	28.3	20.2	14.3	10.5	8.1
-85°	38.2	29.7	22.6	17.0	12.9	10.1	8.1
-87.5°	25.2	20.7	16.9	13.8	11.5	9.6	8.1
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1

(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

