

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: P731471 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-70-7F-CV2**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731471 (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: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0530N-40-70-7F-CV2  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

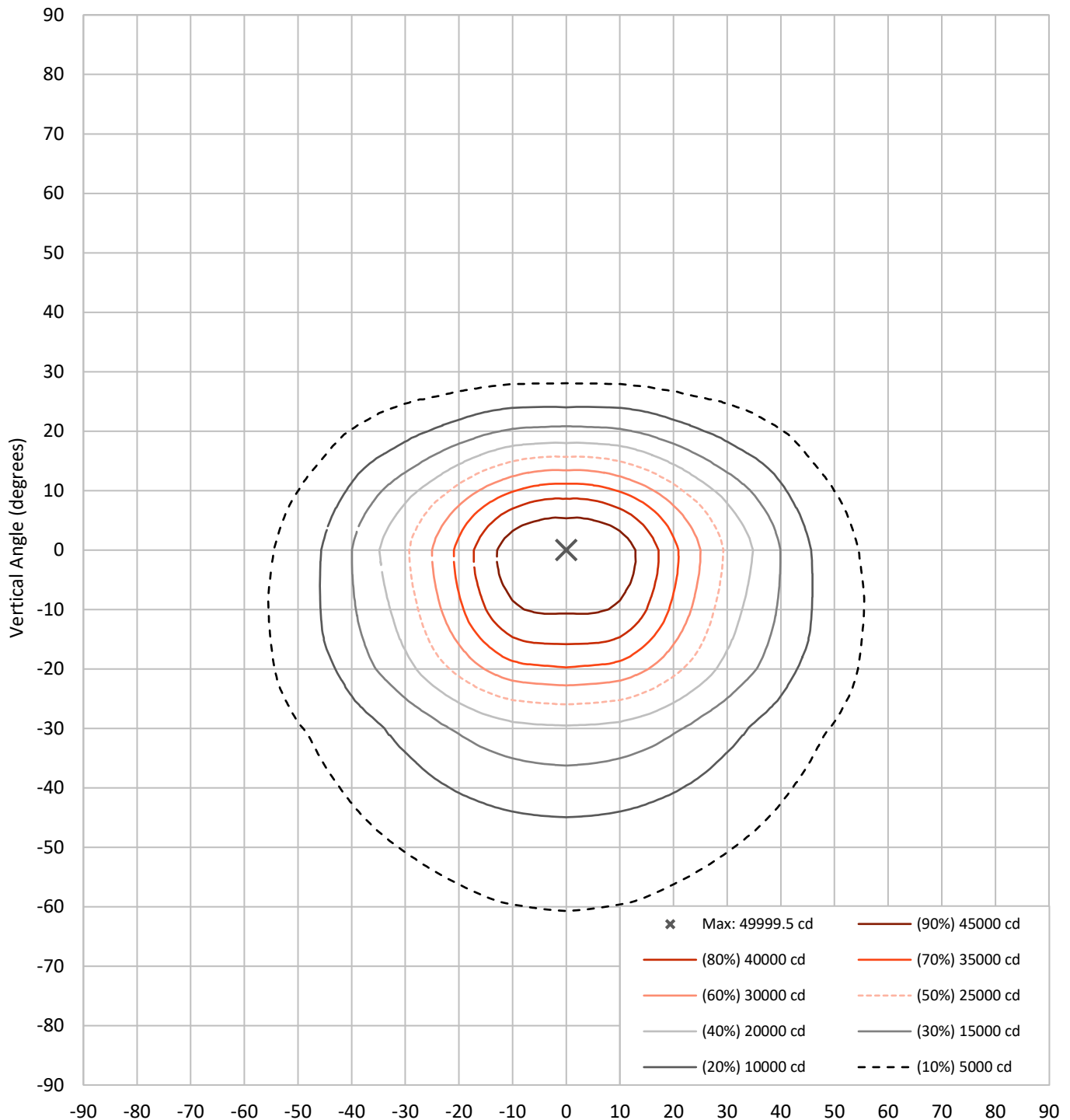
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	43743.7 lumens	Max Intensity:	49999.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	78.1 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:	21206.5 lumens	Field Lumens:	39729.6 lumens
Beam Efficiency:	48.5%	Field Efficiency:	90.8%

Input Watts (W): 559.9  
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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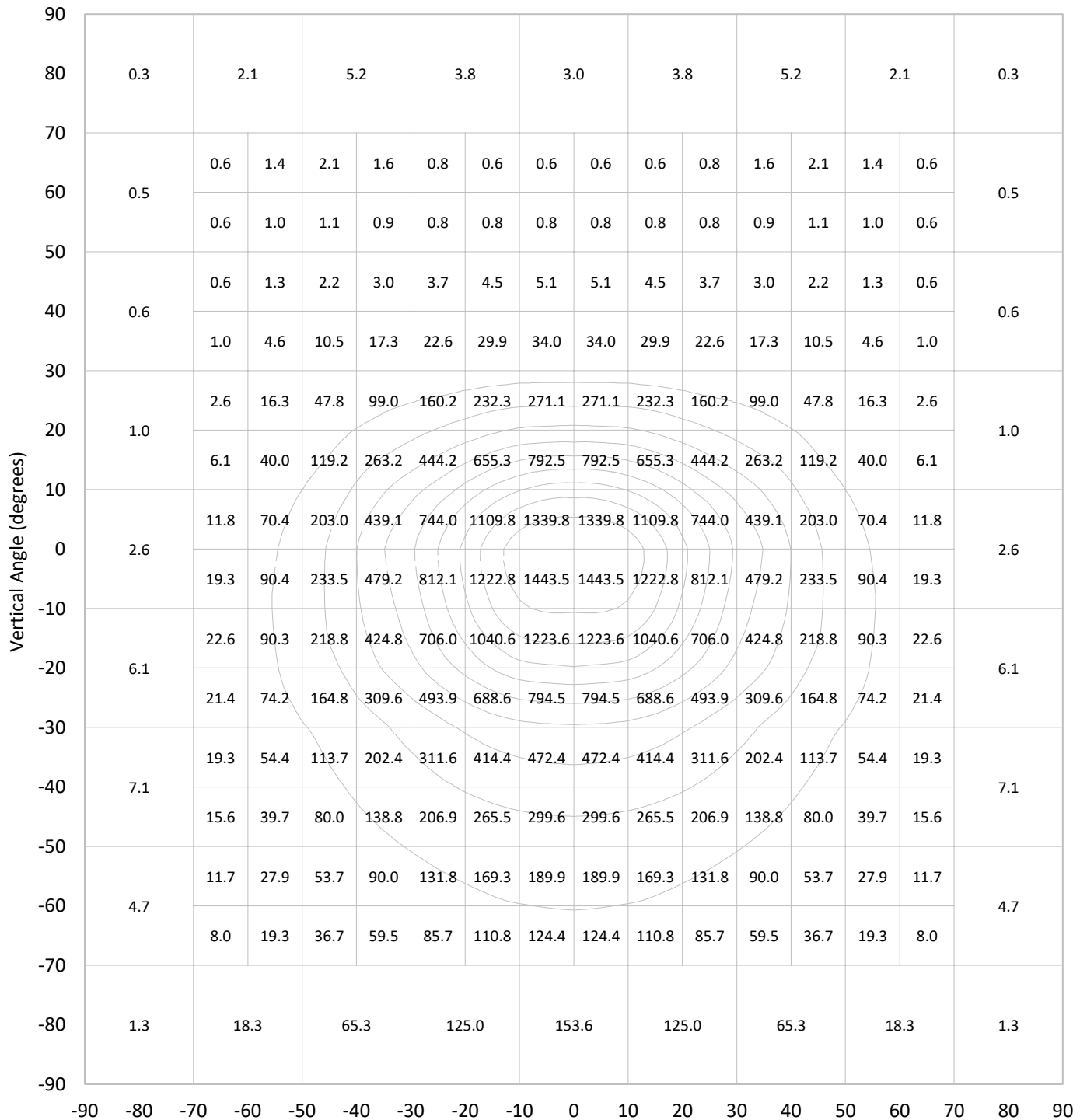
### Iso-Candela Plot





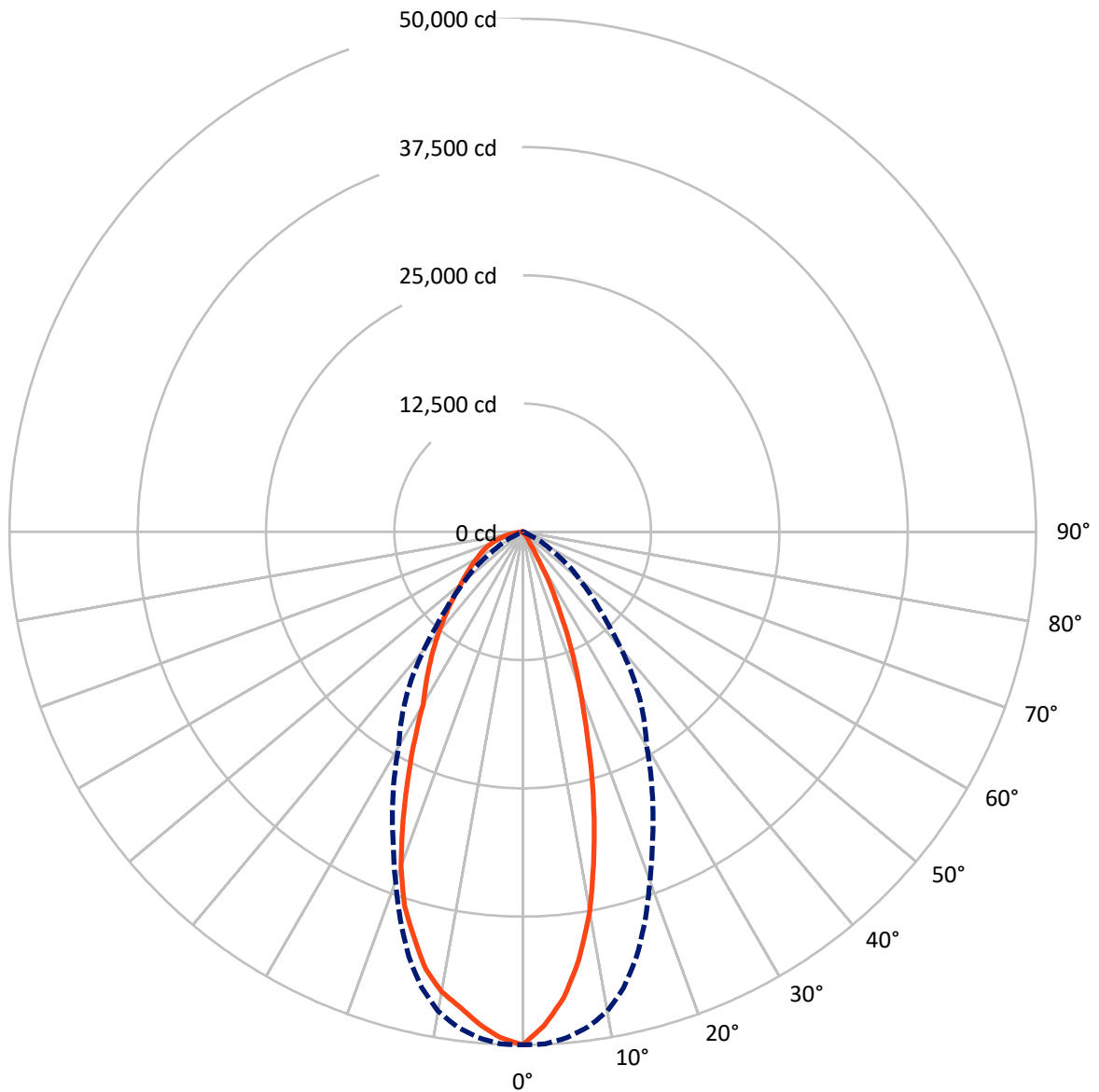
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### Lumen Table



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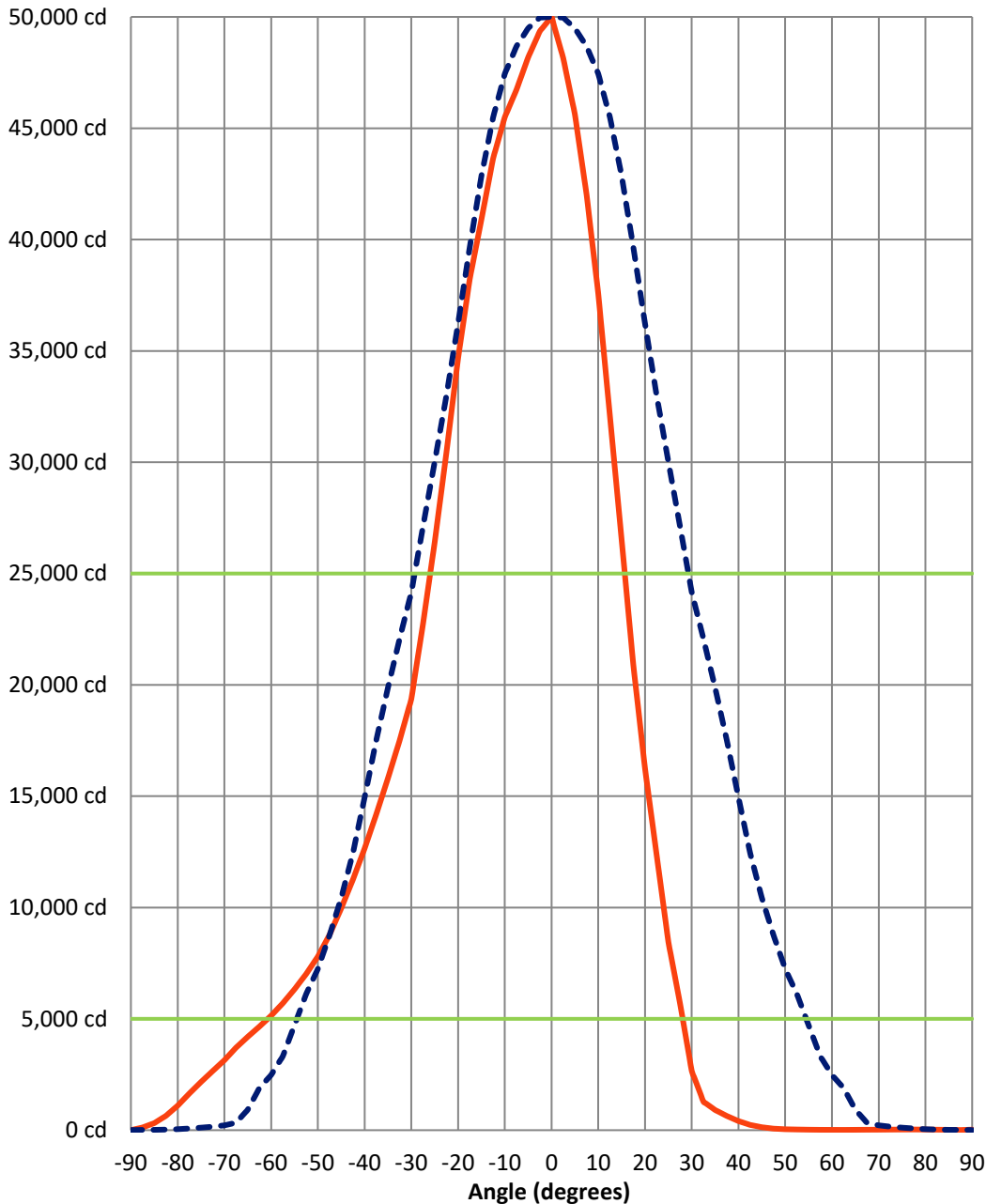
### Luminous Intensity Polar Plot



— 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: 21206.5  
 Efficiency: 48.5%

**Field:**  
 H Angle: 109°  
 V Angle: 88.8°  
 Lumens: 39729.6  
 Efficiency: 90.8%

**Spill:**  
 Lumens: 4014.1  
 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°	7.0	7.9	8.8	9.2	9.7	10.1	10.5	11.0	11.4	11.9	12.3
87.5°	7.0	7.3	7.6	8.1	8.7	9.4	10.2	10.4	10.6	10.7	10.7
85°	7.0	7.5	8.2	9.2	10.3	11.7	13.3	13.9	14.2	14.4	14.5
82.5°	7.0	7.8	8.8	10.2	12.0	14.1	16.5	17.3	17.9	19.1	21.4
80°	7.0	8.1	9.4	11.3	13.6	16.4	19.2	19.7	21.6	25.0	29.9
77.5°	7.0	8.3	10.0	12.3	15.2	17.9	19.6	21.5	25.1	30.7	36.4
75°	7.0	8.6	10.6	13.3	16.5	18.0	19.9	23.0	28.1	32.8	37.5
72.5°	7.0	8.8	11.2	14.3	16.4	18.0	20.2	24.1	28.9	33.7	38.5
70°	7.0	9.1	11.7	15.1	16.3	18.1	20.5	24.7	29.6	34.5	40.0
67.5°	7.0	9.3	12.3	14.9	16.1	18.0	21.1	25.3	30.3	35.9	41.5
65°	7.0	9.6	12.8	14.7	16.0	18.3	21.8	25.8	31.4	37.2	43.5
62.5°	7.0	9.8	13.3	14.5	15.8	18.9	22.5	26.6	32.5	38.7	46.7
60°	7.0	10.0	13.8	14.2	15.5	19.5	23.1	27.4	33.4	41.3	49.7
57.5°	7.0	10.2	13.7	14.0	16.0	20.1	24.2	28.3	35.2	43.7	51.2
55°	7.0	10.4	13.6	13.7	16.5	20.7	25.3	29.5	37.1	45.6	52.0
52.5°	7.0	10.6	13.5	13.4	16.9	21.3	26.4	31.5	38.8	46.5	52.9
50°	7.0	10.8	13.5	13.1	17.4	22.3	27.5	33.6	40.2	47.4	51.4
47.5°	7.0	11.0	13.4	12.9	17.8	23.2	28.7	35.7	41.0	48.4	49.9
45°	7.0	11.2	13.4	13.2	18.2	24.2	30.6	37.7	43.2	47.3	48.5
42.5°	7.0	11.3	13.4	13.5	18.6	25.1	32.3	39.9	45.7	46.3	47.1
40°	7.0	11.5	13.5	14.0	19.1	26.0	34.1	42.3	48.1	45.9	46.1
37.5°	7.0	11.6	13.5	14.8	19.8	26.9	35.8	44.9	50.3	48.6	45.6
35°	7.0	11.7	13.6	15.5	20.4	28.1	37.5	47.6	53.0	52.5	49.0
32.5°	7.0	11.9	13.7	16.3	21.0	29.3	39.3	50.5	56.3	57.5	62.9
30°	7.0	12.0	13.8	17.1	21.6	30.6	41.5	53.5	60.2	63.5	77.2
27.5°	7.0	12.0	13.9	17.9	23.3	31.7	43.8	56.5	64.8	70.5	91.8
25°	7.0	12.1	14.1	18.7	25.3	32.8	46.1	59.8	70.4	81.3	108.1
22.5°	7.0	12.2	14.2	19.6	27.3	34.8	48.3	63.3	76.5	93.7	160.4
20°	7.0	12.3	14.4	20.4	29.4	39.2	50.6	67.0	83.1	106.0	215.7
17.5°	7.0	12.3	14.6	21.2	31.5	43.8	56.5	70.9	90.0	118.2	273.0
15°	7.0	12.3	14.7	22.0	33.6	48.6	64.7	78.6	97.1	130.0	331.3
12.5°	7.0	12.4	14.9	22.8	35.8	53.5	73.1	91.5	111.9	141.6	389.2
10°	7.0	12.4	15.1	23.6	37.9	58.4	81.6	104.6	133.0	176.4	465.6
7.5°	7.0	12.4	15.3	24.3	39.9	63.3	90.0	117.8	154.4	215.8	584.2
5°	7.0	12.4	15.5	25.0	41.9	68.1	98.3	130.9	175.9	255.7	702.3
2.5°	7.0	12.3	15.6	25.7	43.8	72.8	106.4	143.8	197.1	295.2	816.1
0°	7.0	12.3	15.8	26.3	45.6	77.2	114.1	156.2	217.7	333.6	921.7
-2.5°	7.0	12.5	16.9	30.2	54.5	93.8	143.7	205.1	294.7	458.0	1084.8
-5°	7.0	12.7	18.1	34.0	63.1	109.8	172.5	252.6	369.5	577.9	1233.8
-7.5°	7.0	12.9	19.1	37.6	71.4	125.2	200.0	298.3	441.0	691.1	1366.7
-10°	7.0	13.1	20.2	41.1	79.2	139.7	225.9	341.3	508.0	795.3	1481.4
-12.5°	7.0	13.3	21.2	44.3	86.5	153.1	249.8	381.0	569.6	884.8	1524.8
-15°	7.0	13.4	22.1	47.2	93.2	165.3	271.4	416.9	623.6	939.6	1531.6
-17.5°	7.0	13.6	23.0	49.8	99.1	176.2	290.3	451.0	670.0	986.4	1529.1
-20°	7.0	13.7	23.7	52.0	104.1	185.5	308.7	482.9	710.3	1024.9	1518.5



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 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-CV2

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.0	13.8	24.4	53.9	108.3	193.1	328.4	510.1	743.8	1054.9	1500.8
-25°	7.0	13.9	25.0	55.3	111.6	203.0	344.7	532.4	770.1	1075.9	1477.0
-27.5°	7.0	13.9	25.5	56.3	113.8	212.5	357.3	549.4	788.9	1093.2	1492.0
-30°	7.0	13.9	25.9	56.9	115.2	219.6	366.3	560.8	804.6	1111.5	1498.0
-32.5°	7.0	13.9	26.2	56.9	118.8	224.3	371.3	569.6	815.6	1119.6	1492.7
-35°	7.0	13.9	26.4	56.4	120.9	226.4	375.4	573.9	819.0	1117.2	1476.2
-37.5°	7.0	13.9	26.4	55.4	121.6	226.9	376.8	572.6	814.5	1104.3	1404.1
-40°	7.0	13.8	26.3	53.9	120.8	227.0	374.4	565.6	802.1	1088.7	1331.9
-42.5°	7.0	13.7	26.1	52.4	119.7	224.8	368.0	553.0	786.1	1036.3	1255.1
-45°	7.0	13.6	25.8	51.5	118.6	220.2	357.8	537.3	764.8	976.1	1175.9
-47.5°	7.0	13.4	25.4	49.8	116.2	213.2	343.7	519.9	735.4	912.9	1105.3
-50°	7.0	13.2	24.8	49.3	112.5	203.9	330.6	497.2	684.0	855.0	1031.5
-52.5°	7.0	13.0	24.1	48.8	107.7	192.3	314.9	469.5	635.7	794.6	955.7
-55°	7.0	12.8	23.3	47.7	101.6	182.5	296.1	437.8	587.3	731.9	886.3
-57.5°	7.0	12.6	22.4	46.1	94.4	171.6	274.2	408.8	536.8	672.9	814.4
-60°	7.0	12.3	21.4	43.8	86.3	159.0	250.2	372.5	485.6	613.3	742.7
-62.5°	7.0	12.0	20.6	41.1	80.6	144.8	229.9	332.6	438.0	551.5	673.7
-65°	7.0	11.7	19.8	37.9	73.9	129.0	207.5	293.3	387.9	491.7	602.4
-67.5°	7.0	11.4	18.9	34.2	66.3	114.0	183.0	258.8	335.6	430.2	530.4
-70°	7.0	11.1	17.9	30.2	58.0	100.0	156.6	222.5	290.7	366.3	456.4
-72.5°	7.0	10.7	16.9	27.6	49.0	84.9	133.2	184.7	244.0	309.7	381.6
-75°	7.0	10.3	15.8	25.2	39.4	68.8	108.9	150.4	195.7	251.4	312.3
-77.5°	7.0	9.9	14.7	22.8	34.0	51.8	83.4	116.9	153.5	193.9	240.9
-80°	7.0	9.6	13.6	20.2	29.3	41.0	57.0	82.5	111.0	142.5	177.0
-82.5°	7.0	9.1	12.4	17.5	24.5	33.4	44.2	54.5	67.7	90.2	114.9
-85°	7.0	8.7	11.2	14.8	19.6	25.8	33.1	40.1	47.9	56.4	65.5
-87.5°	7.0	8.3	10.0	12.0	14.7	17.9	21.8	25.6	29.7	34.2	39.0
-90°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0





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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°	12.7	13.2	13.6	14.0	14.5	14.9	15.4	15.8	16.7	17.6	18.4
87.5°	11.3	11.8	12.4	13.1	12.0	10.7	9.3	7.8	8.2	8.6	9.1
85°	15.5	16.7	18.2	19.4	18.5	17.8	17.2	16.8	17.8	18.5	19.1
82.5°	23.5	25.0	26.0	26.5	27.0	27.8	29.4	32.5	34.4	35.6	36.1
80°	32.3	33.5	34.5	36.9	41.0	46.1	51.7	58.0	59.8	59.4	58.3
77.5°	37.8	40.0	44.1	50.1	57.0	64.1	71.9	80.4	82.5	81.5	79.7
75°	41.0	45.9	52.8	61.2	70.3	79.7	89.8	99.0	101.2	98.3	94.6
72.5°	43.8	51.0	60.1	71.2	81.6	91.4	101.6	112.2	116.4	111.4	104.9
70°	46.3	55.3	66.5	78.4	90.3	100.6	110.6	122.1	129.5	120.3	105.9
67.5°	48.4	59.8	72.0	84.3	94.4	104.7	116.8	121.7	124.5	109.6	94.3
65°	51.8	64.0	74.9	85.1	95.7	100.8	104.8	108.5	107.0	90.2	73.9
62.5°	55.0	65.0	75.1	83.3	86.7	89.7	89.2	85.6	80.2	69.7	57.1
60°	56.2	64.7	72.0	75.5	76.7	74.0	69.8	66.5	61.8	52.9	44.5
57.5°	56.9	61.8	65.9	66.9	63.7	59.4	57.8	53.2	49.7	44.1	36.5
55°	56.4	57.1	59.1	56.8	54.2	52.6	50.0	48.5	43.7	38.5	32.8
52.5°	54.0	53.2	51.4	50.3	51.0	50.7	49.8	47.3	42.9	37.6	34.5
50°	51.9	48.8	45.9	49.9	53.4	56.4	51.8	49.1	48.9	46.4	41.3
47.5°	49.2	45.1	47.6	53.6	63.8	67.5	61.2	61.1	63.1	68.1	62.0
45°	46.8	48.3	52.3	67.3	79.7	85.4	86.4	79.6	96.4	102.0	100.3
42.5°	45.0	55.0	73.0	83.6	103.5	115.9	120.8	130.8	140.7	153.0	156.1
40°	51.6	63.8	104.4	122.2	134.6	155.7	181.1	197.7	200.8	219.3	227.6
37.5°	60.2	99.4	147.1	178.0	177.2	213.7	251.9	291.8	314.3	296.6	337.4
35°	69.9	141.3	208.7	253.8	265.2	287.9	355.1	431.5	505.4	462.1	483.2
32.5°	98.8	189.2	280.8	349.8	416.8	432.1	473.7	680.9	815.1	817.3	709.3
30°	146.2	256.6	366.8	461.0	616.0	687.1	753.5	1010.9	1236.5	1381.7	1412.5
27.5°	205.5	333.6	471.9	641.4	861.1	989.4	1204.7	1481.1	1836.0	2101.7	2285.4
25°	272.2	452.7	586.8	869.6	1153.7	1389.3	1691.6	2072.0	2569.7	2995.6	3393.2
22.5°	357.9	591.0	769.2	1125.2	1477.8	1821.7	2241.5	2788.4	3421.8	3975.6	4539.0
20°	465.7	748.1	1006.9	1440.6	1846.5	2260.4	2799.0	3559.5	4361.2	5144.2	5875.3
17.5°	582.4	913.7	1273.2	1800.9	2350.1	2818.1	3382.0	4360.4	5350.6	6425.9	7490.7
15°	705.3	1085.2	1537.1	2194.0	2890.8	3527.9	4273.8	5270.5	6448.0	7827.2	9201.0
12.5°	831.5	1259.9	1796.1	2610.0	3454.7	4250.8	5200.5	6337.7	7689.6	9325.3	10991.1
10°	957.9	1434.7	2047.3	3038.1	4030.9	4977.1	6103.8	7368.1	8913.9	10751.8	12636.1
7.5°	1187.0	1664.3	2307.9	3466.3	4607.5	5696.3	6975.9	8354.5	10073.3	12116.5	14177.4
5°	1431.7	1947.2	2663.2	3915.6	5152.0	6327.3	7760.0	9287.8	11158.8	13401.6	15636.4
2.5°	1669.3	2219.4	3002.3	4335.1	5652.7	6808.6	8287.3	9893.8	11875.3	14299.0	16744.7
0°	1892.5	2478.8	3321.5	4715.4	6112.8	7243.4	8754.9	10433.2	12441.5	14941.4	17515.0
-2.5°	2094.0	2715.9	3590.2	4948.0	6254.9	7351.0	8873.2	10556.3	12542.6	14943.7	17323.0
-5°	2271.3	2936.9	3833.7	5142.3	6361.0	7422.3	8929.4	10605.9	12553.9	14836.2	17057.7
-7.5°	2422.3	3140.4	4050.3	5282.0	6417.5	7479.5	8941.3	10588.2	12487.6	14640.9	16744.5
-10°	2523.1	3224.4	4063.9	5245.7	6402.0	7502.5	8900.4	10503.4	12332.3	14363.7	16356.2
-12.5°	2458.0	3193.3	4015.6	5164.9	6348.6	7472.8	8805.1	10354.7	12090.8	14020.3	15897.6
-15°	2384.2	3141.8	3936.8	5038.2	6257.4	7386.7	8658.3	10145.5	11676.6	13458.1	15310.4
-17.5°	2305.5	3069.0	3826.6	4864.3	6128.9	7241.5	8386.5	9593.8	10998.6	12745.9	14575.7
-20°	2225.5	2974.2	3684.3	4642.6	5952.3	6872.3	7809.5	8932.0	10263.9	11890.6	13722.3



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 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-CV2

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2147.5	2856.8	3534.1	4447.7	5482.1	6350.2	7197.0	8207.1	9416.7	10888.7	12493.9
-25°	2088.7	2735.2	3388.7	4129.2	4987.9	5819.8	6539.8	7435.2	8535.6	9794.6	11064.6
-27.5°	2043.1	2627.2	3182.9	3814.9	4523.3	5285.0	5924.4	6693.2	7729.4	8737.8	9717.9
-30°	1994.5	2484.5	2974.5	3525.0	4151.2	4782.8	5337.6	6087.9	7009.9	7880.0	8660.2
-32.5°	1900.7	2333.5	2791.9	3288.1	3813.2	4333.6	4914.2	5625.0	6395.5	7143.8	7769.6
-35°	1789.6	2191.9	2616.1	3054.0	3497.7	4000.8	4579.1	5188.7	5840.8	6517.3	7230.5
-37.5°	1696.4	2044.5	2435.2	2837.2	3246.8	3715.4	4232.8	4792.6	5370.6	5975.6	6673.8
-40°	1596.2	1891.6	2263.3	2635.7	3012.7	3434.3	3909.8	4406.4	4924.4	5497.4	6101.6
-42.5°	1491.9	1773.3	2091.5	2430.2	2783.8	3161.6	3575.2	4036.9	4513.0	5016.3	5556.0
-45°	1402.1	1648.7	1922.0	2237.5	2552.1	2886.2	3259.9	3662.2	4109.1	4557.1	5026.9
-47.5°	1307.7	1525.0	1778.7	2041.8	2330.8	2626.9	2939.8	3318.8	3704.7	4115.4	4522.5
-50°	1213.4	1416.8	1629.8	1872.3	2120.1	2379.6	2654.1	2992.8	3347.0	3692.3	4049.2
-52.5°	1128.9	1304.3	1504.2	1710.1	1930.9	2156.1	2410.5	2705.3	3017.3	3324.8	3642.6
-55°	1041.5	1205.8	1381.7	1567.1	1756.7	1956.9	2191.2	2453.7	2710.3	2996.5	3280.9
-57.5°	958.6	1110.2	1270.2	1433.8	1604.1	1777.2	2002.7	2221.0	2459.2	2696.8	2943.5
-60°	877.7	1018.0	1164.8	1313.2	1460.8	1634.3	1825.7	2028.8	2231.7	2433.7	2664.4
-62.5°	795.8	929.9	1063.6	1198.3	1335.4	1496.3	1678.7	1857.7	2030.6	2222.9	2418.7
-65°	717.5	839.9	966.2	1090.5	1212.3	1368.2	1532.6	1702.1	1870.1	2031.6	2197.9
-67.5°	636.3	747.9	864.3	983.9	1101.0	1236.3	1383.1	1537.4	1694.2	1842.8	1995.2
-70°	551.1	651.7	756.6	865.2	978.7	1099.2	1224.8	1359.9	1498.7	1630.0	1762.7
-72.5°	462.3	549.4	642.3	740.6	839.2	942.7	1052.7	1168.7	1282.4	1392.4	1507.0
-75°	375.9	444.2	521.9	604.6	688.7	776.1	868.0	962.6	1053.9	1143.2	1235.3
-77.5°	291.0	345.1	404.0	467.4	530.4	598.2	670.1	745.6	816.5	886.1	956.7
-80°	209.9	243.9	286.9	333.8	381.3	429.7	479.3	530.0	575.3	623.0	674.4
-82.5°	138.2	162.6	188.2	215.0	241.9	269.7	299.9	335.7	365.7	395.3	425.1
-85°	73.0	80.6	96.0	112.3	128.1	144.5	161.4	178.9	194.5	209.3	223.3
-87.5°	42.9	46.9	51.1	55.3	58.8	62.3	65.7	69.2	73.9	78.7	83.5
-90°	7.0	7.0	7.0	7.0	6.6	6.2	5.7	5.3	5.3	5.3	5.3



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	19.3	20.2	21.1	21.9	22.8	23.3	23.7	24.2	24.6	25.0	25.5
87.5°	9.6	9.3	9.1	8.8	8.5	10.5	12.7	14.9	17.1	15.5	13.9
85°	19.5	19.5	19.3	19.1	18.8	21.7	24.7	27.7	30.6	28.0	25.1
82.5°	36.0	35.3	34.1	32.3	30.2	29.9	29.3	28.3	26.9	25.7	24.6
80°	56.6	54.0	50.6	46.5	41.8	39.3	36.8	34.1	31.2	30.3	29.6
77.5°	76.6	71.4	65.4	58.9	51.9	47.5	43.7	39.5	35.1	33.9	33.2
75°	90.4	84.0	75.1	65.7	55.8	49.3	44.3	39.4	34.7	32.9	31.9
72.5°	96.9	87.4	76.4	63.8	51.7	43.8	39.0	34.5	30.3	28.6	27.8
70°	92.0	78.5	66.1	54.1	42.8	35.3	31.8	28.8	26.3	25.0	24.3
67.5°	78.4	64.7	52.9	42.4	33.6	27.9	26.0	24.3	22.7	21.8	21.5
65°	60.8	50.2	41.1	33.6	27.7	23.8	22.2	20.8	19.4	18.5	18.2
62.5°	46.0	37.9	32.0	27.3	23.6	20.9	19.8	18.8	18.0	17.5	17.0
60°	36.9	30.0	26.3	23.8	21.6	19.6	19.3	19.1	18.9	18.6	17.9
57.5°	31.6	27.4	24.6	24.0	23.0	21.7	21.4	21.2	20.5	19.2	18.6
55°	30.2	29.1	28.0	28.4	28.4	27.3	25.7	24.7	23.6	22.7	22.8
52.5°	33.6	35.9	37.1	36.9	35.1	32.5	29.5	29.9	30.5	31.0	31.6
50°	44.9	47.6	47.6	43.7	43.4	41.9	38.4	40.0	42.3	42.8	43.1
47.5°	62.3	65.0	66.8	59.9	61.1	64.8	60.9	59.8	67.2	70.5	72.1
45°	90.7	101.9	105.1	107.2	104.2	113.8	113.9	109.4	123.8	131.7	134.4
42.5°	151.2	170.0	184.8	189.2	185.7	197.7	206.9	206.2	224.3	237.2	240.7
40°	253.1	270.7	292.0	299.9	303.4	314.4	337.6	352.6	370.9	391.1	401.3
37.5°	383.7	411.4	415.7	432.0	452.5	462.8	498.2	528.4	553.2	591.0	615.2
35°	575.1	648.3	569.4	606.9	658.7	664.7	696.8	766.7	784.2	850.2	886.7
32.5°	928.2	1064.5	1046.6	919.9	1031.3	1157.7	1016.9	1267.4	1244.9	1315.4	1405.0
30°	1465.0	1861.2	1905.1	1719.8	2029.1	2196.8	2169.9	2419.4	2579.3	2559.5	2869.8
27.5°	2613.6	2931.3	3075.5	3341.6	3508.7	3756.0	4191.7	4445.6	4902.0	5141.5	5428.8
25°	3856.6	4232.2	4695.9	5153.4	5501.0	6049.4	6660.8	7141.4	7787.5	8192.9	8488.3
22.5°	5200.4	5863.8	6509.3	7146.7	7848.4	8603.6	9324.9	10157.8	10944.2	11524.7	11963.7
20°	6673.5	7591.7	8504.7	9379.7	10255.1	11265.0	12158.1	13159.1	14125.0	14964.7	15543.0
17.5°	8494.6	9454.7	10620.6	11791.4	12925.5	14176.1	15495.2	16617.7	17972.2	19090.8	19932.2
15°	10478.1	11680.4	12952.8	14417.3	15948.8	17496.2	19096.2	20746.3	22288.3	23718.5	24789.8
12.5°	12526.1	14022.7	15573.1	17194.7	18970.5	20896.3	22906.9	24870.9	26777.5	28349.5	29819.3
10°	14493.5	16363.9	18162.9	20063.0	22108.0	24262.4	26616.8	28956.3	31172.2	33108.7	34690.3
7.5°	16217.4	18247.9	20323.4	22653.3	25080.7	27495.0	30045.8	32670.1	35192.1	37424.3	39273.4
5°	17837.8	19956.3	22058.9	24565.6	27243.9	30014.2	32902.3	35850.3	38573.1	41096.7	43144.6
2.5°	19101.3	21329.5	23491.6	26240.0	29066.2	31887.6	34832.5	38055.7	41093.0	43836.2	45845.6
0°	19872.7	22072.4	24161.5	27110.8	30018.0	32979.6	36227.3	39657.7	42856.2	45484.3	47441.7
-2.5°	19606.0	21752.1	24018.4	26915.5	29988.9	32951.0	36236.5	39698.4	42876.1	45546.7	47458.2
-5°	19239.6	21343.6	23637.4	26536.1	29535.7	32494.4	35733.5	39138.0	42259.0	44886.2	46696.5
-7.5°	18789.2	20820.0	23056.7	25868.0	28850.8	31813.0	34966.1	38187.3	41172.2	43783.7	45487.2
-10°	18256.7	20181.9	22394.7	25098.7	28058.7	30914.2	33910.2	37100.5	40096.1	42471.0	44299.4
-12.5°	17704.3	19579.9	21634.8	24193.1	27026.8	29681.6	32542.1	35614.3	38253.4	40682.2	42288.9
-15°	17071.7	18870.5	20797.3	23155.4	25723.7	28208.4	30693.3	33402.5	35810.6	37970.2	39677.5
-17.5°	16339.6	18043.8	19734.9	21855.2	24314.2	26533.5	28709.1	31068.3	33209.0	35191.8	36669.9
-20°	15328.3	16730.7	18355.6	20384.1	22514.2	24386.2	26371.2	28352.9	30258.8	31937.2	33188.9



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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°	13879.8	15244.4	16749.7	18408.7	20191.0	21910.5	23609.6	25231.1	26781.7	28178.4	29185.9
-25°	12338.0	13584.3	14943.2	16322.2	17745.3	19285.6	20775.9	22114.4	23389.4	24468.6	25298.4
-27.5°	10806.0	11984.7	13172.7	14285.6	15423.9	16710.5	18014.8	19135.4	20215.4	21060.8	21707.7
-30°	9437.6	10697.7	11743.8	12501.0	13604.1	14732.9	15578.5	16598.1	17448.9	17988.3	18683.6
-32.5°	8683.5	9634.0	10582.4	11361.0	12237.5	13227.9	14028.6	14861.6	15579.6	16159.4	16596.6
-35°	7995.7	8830.8	9632.3	10433.2	11215.8	12011.4	12749.5	13452.6	14089.4	14602.2	15007.3
-37.5°	7377.8	8100.7	8826.1	9517.1	10220.1	10885.1	11518.7	12125.2	12660.6	13122.7	13504.6
-40°	6753.9	7399.6	8037.7	8662.5	9277.3	9820.1	10364.9	10866.0	11317.9	11726.8	12060.7
-42.5°	6127.5	6703.7	7262.5	7829.3	8374.9	8846.0	9295.8	9710.0	10097.5	10446.0	10734.1
-45°	5511.6	6020.5	6512.9	7016.1	7476.1	7905.5	8297.6	8646.4	8979.3	9273.1	9515.1
-47.5°	4956.6	5370.9	5810.3	6239.9	6639.2	7025.9	7368.9	7675.9	7968.0	8216.7	8414.2
-50°	4440.7	4819.0	5189.4	5537.5	5910.5	6249.6	6539.8	6822.7	7088.3	7310.3	7477.0
-52.5°	3955.6	4304.8	4637.8	4962.5	5286.2	5587.9	5866.3	6125.0	6357.0	6560.5	6704.9
-55°	3571.6	3857.0	4126.8	4439.2	4736.3	5004.5	5253.8	5504.9	5728.6	5926.2	6046.8
-57.5°	3208.1	3465.6	3722.4	3992.5	4253.8	4505.8	4742.5	4962.5	5168.6	5353.5	5457.4
-60°	2883.7	3091.5	3335.7	3584.9	3821.8	4046.7	4268.9	4475.3	4666.9	4827.8	4919.6
-62.5°	2612.0	2809.3	3016.0	3224.0	3429.1	3638.4	3840.0	4031.8	4213.6	4360.2	4449.4
-65°	2372.3	2551.0	2731.7	2916.0	3102.8	3287.0	3458.7	3627.2	3791.5	3917.2	3997.6
-67.5°	2146.7	2300.5	2452.3	2609.2	2770.1	2929.1	3080.5	3229.8	3376.1	3477.4	3540.4
-70°	1899.5	2035.3	2166.0	2298.1	2429.5	2558.7	2683.8	2808.7	2932.0	3013.4	3067.3
-72.5°	1625.5	1739.0	1845.0	1950.5	2057.9	2164.1	2267.0	2367.1	2463.7	2526.8	2573.3
-75°	1329.6	1416.1	1498.5	1581.7	1665.0	1751.3	1836.3	1917.8	1995.4	2042.6	2078.8
-77.5°	1028.4	1089.6	1147.7	1206.3	1264.8	1331.6	1399.3	1465.0	1528.2	1561.6	1586.5
-80°	726.2	769.1	808.8	846.8	882.8	925.5	968.4	1009.9	1049.8	1068.9	1082.9
-82.5°	454.9	480.1	503.7	526.0	547.1	569.9	591.6	611.8	630.4	639.5	646.4
-85°	236.7	247.6	257.7	267.0	275.6	286.1	296.1	305.4	314.0	316.7	318.6
-87.5°	88.3	91.6	94.8	97.8	100.7	104.7	108.6	112.4	116.2	117.2	118.0
-90°	5.3	5.3	5.3	5.3	5.3	4.9	4.4	4.0	3.5	3.5	3.5



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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°	25.9	26.3	26.3	26.3	26.3	26.3	25.9	25.5	25.0	24.6	24.2
87.5°	12.2	10.5	9.6	8.8	9.6	10.5	12.2	13.9	15.5	17.1	14.9
85°	22.2	19.3	18.4	17.6	18.4	19.3	22.2	25.1	28.0	30.6	27.7
82.5°	23.7	22.8	22.8	22.8	22.8	22.8	23.7	24.6	25.7	26.9	28.3
80°	28.8	28.0	28.1	28.1	28.1	28.0	28.8	29.6	30.3	31.2	34.1
77.5°	32.4	31.6	31.6	31.6	31.6	31.6	32.4	33.2	33.9	35.1	39.5
75°	30.9	29.9	29.8	29.8	29.8	29.9	30.9	31.9	32.9	34.7	39.4
72.5°	27.1	26.4	26.3	26.3	26.3	26.4	27.1	27.8	28.6	30.3	34.5
70°	23.6	23.0	22.8	22.8	22.8	23.0	23.6	24.3	25.0	26.3	28.8
67.5°	21.3	21.2	21.1	21.1	21.1	21.2	21.3	21.5	21.8	22.7	24.3
65°	17.9	17.7	17.6	17.6	17.6	17.7	17.9	18.2	18.5	19.4	20.8
62.5°	16.5	16.0	15.0	14.0	15.0	16.0	16.5	17.0	17.5	18.0	18.8
60°	17.0	16.1	15.8	15.8	15.8	16.1	17.0	17.9	18.6	18.9	19.1
57.5°	18.1	17.7	17.6	17.6	17.6	17.7	18.1	18.6	19.2	20.5	21.2
55°	22.8	22.7	22.7	22.8	22.7	22.7	22.8	22.8	22.7	23.6	24.7
52.5°	31.7	31.4	31.5	31.6	31.5	31.4	31.7	31.6	31.0	30.5	29.9
50°	43.5	43.5	43.1	42.1	43.1	43.5	43.5	43.1	42.8	42.3	40.0
47.5°	73.2	72.1	70.9	70.2	70.9	72.1	73.2	72.1	70.5	67.2	59.8
45°	137.5	136.4	134.5	133.4	134.5	136.4	137.5	134.4	131.7	123.8	109.4
42.5°	246.3	244.3	239.7	237.0	239.7	244.3	246.3	240.7	237.2	224.3	206.2
40°	412.8	414.9	411.3	409.0	411.3	414.9	412.8	401.3	391.1	370.9	352.6
37.5°	634.4	643.7	642.5	639.0	642.5	643.7	634.4	615.2	591.0	553.2	528.4
35°	903.4	913.7	908.4	907.6	908.4	913.7	903.4	886.7	850.2	784.2	766.7
32.5°	1337.7	1322.5	1265.9	1281.5	1265.9	1322.5	1337.7	1405.0	1315.4	1244.9	1267.4
30°	2890.7	2946.3	2787.9	2661.4	2787.9	2946.3	2890.7	2869.8	2559.5	2579.3	2419.4
27.5°	5457.2	5577.1	5554.7	5684.4	5554.7	5577.1	5457.2	5428.8	5141.5	4902.0	4445.6
25°	8604.2	8683.7	8688.8	8454.7	8688.8	8683.7	8604.2	8488.3	8192.9	7787.5	7141.4
22.5°	12126.2	12203.0	12342.9	12343.2	12342.9	12203.0	12126.2	11963.7	11524.7	10944.2	10157.8
20°	15945.1	15959.1	16226.4	16245.8	16226.4	15959.1	15945.1	15543.0	14964.7	14125.0	13159.1
17.5°	20524.5	20747.2	21108.6	20898.0	21108.6	20747.2	20524.5	19932.2	19090.8	17972.2	16617.7
15°	25803.5	26301.2	26687.5	26513.9	26687.5	26301.2	25803.5	24789.8	23718.5	22288.3	20746.3
12.5°	30988.0	31772.3	32145.7	32054.4	32145.7	31772.3	30988.0	29819.3	28349.5	26777.5	24870.9
10°	35922.8	37026.8	37423.3	37563.3	37423.3	37026.8	35922.8	34690.3	33108.7	31172.2	28956.3
7.5°	40653.7	41665.3	42266.5	42015.3	42266.5	41665.3	40653.7	39273.4	37424.3	35192.1	32670.1
5°	44450.6	45305.0	45790.7	45617.7	45790.7	45305.0	44450.6	43144.6	41096.7	38573.1	35850.3
2.5°	47139.6	47937.4	48358.4	48146.6	48358.4	47937.4	47139.6	45845.6	43836.2	41093.0	38055.7
0°	48675.8	49488.7	49965.3	49999.5	49965.3	49488.7	48675.8	47441.7	45484.3	42856.2	39657.7
-2.5°	48615.8	49190.0	49525.0	49354.4	49525.0	49190.0	48615.8	47458.2	45546.7	42876.1	39698.4
-5°	47598.1	48083.0	48257.0	48182.6	48257.0	48083.0	47598.1	46696.5	44886.2	42259.0	39138.0
-7.5°	46342.5	46700.0	46819.6	46730.8	46819.6	46700.0	46342.5	45487.2	43783.7	41172.2	38187.3
-10°	45127.7	45485.0	45545.6	45494.8	45545.6	45485.0	45127.7	44299.4	42471.0	40096.1	37100.5
-12.5°	43359.1	43746.3	43758.9	43641.0	43758.9	43746.3	43359.1	42288.9	40682.2	38253.4	35614.3
-15°	40600.7	40917.3	40968.4	40902.3	40968.4	40917.3	40600.7	39677.5	37970.2	35810.6	33402.5
-17.5°	37534.6	37744.3	37971.5	38225.1	37971.5	37744.3	37534.6	36669.9	35191.8	33209.0	31068.3
-20°	33853.3	34104.2	34372.3	34656.1	34372.3	34104.2	33853.3	33188.9	31937.2	30258.8	28352.9



REPORT NUMBER: P731471 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-CV2

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	29716.1	29998.0	30272.9	30416.5	30272.9	29998.0	29716.1	29185.9	28178.4	26781.7	25231.1
-25°	25714.0	26057.3	26274.3	26405.1	26274.3	26057.3	25714.0	25298.4	24468.6	23389.4	22114.4
-27.5°	22045.1	22452.0	22652.3	22737.8	22652.3	22452.0	22045.1	21707.7	21060.8	20215.4	19135.4
-30°	18955.0	19204.9	19239.4	19368.9	19239.4	19204.9	18955.0	18683.6	17988.3	17448.9	16598.1
-32.5°	16917.8	17195.4	17364.0	17506.2	17364.0	17195.4	16917.8	16596.6	16159.4	15579.6	14861.6
-35°	15321.7	15573.2	15738.6	15806.9	15738.6	15573.2	15321.7	15007.3	14602.2	14089.4	13452.6
-37.5°	13792.0	13981.9	14097.5	14190.0	14097.5	13981.9	13792.0	13504.6	13122.7	12660.6	12125.2
-40°	12316.9	12505.3	12619.7	12650.4	12619.7	12505.3	12316.9	12060.7	11726.8	11317.9	10866.0
-42.5°	10940.2	11085.3	11184.9	11253.0	11184.9	11085.3	10940.2	10734.1	10446.0	10097.5	9710.0
-45°	9693.6	9821.5	9910.1	9964.4	9910.1	9821.5	9693.6	9515.1	9273.1	8979.3	8646.4
-47.5°	8559.7	8662.6	8733.2	8774.2	8733.2	8662.6	8559.7	8414.2	8216.7	7968.0	7675.9
-50°	7601.3	7693.3	7758.5	7798.1	7758.5	7693.3	7601.3	7477.0	7310.3	7088.3	6822.7
-52.5°	6817.7	6907.0	6972.7	7015.1	6972.7	6907.0	6817.7	6704.9	6560.5	6357.0	6125.0
-55°	6147.0	6229.1	6288.6	6327.0	6288.6	6229.1	6147.0	6046.8	5926.2	5728.6	5504.9
-57.5°	5545.7	5618.2	5668.5	5700.2	5668.5	5618.2	5545.7	5457.4	5353.5	5168.6	4962.5
-60°	4998.0	5063.3	5109.6	5142.0	5109.6	5063.3	4998.0	4919.6	4827.8	4666.9	4475.3
-62.5°	4528.4	4597.1	4633.8	4653.9	4633.8	4597.1	4528.4	4449.4	4360.2	4213.6	4031.8
-65°	4071.5	4137.7	4173.5	4194.0	4173.5	4137.7	4071.5	3997.6	3917.2	3791.5	3627.2
-67.5°	3596.0	3643.8	3680.2	3707.7	3680.2	3643.8	3596.0	3540.4	3477.4	3376.1	3229.8
-70°	3113.6	3152.2	3153.4	3142.4	3153.4	3152.2	3113.6	3067.3	3013.4	2932.0	2808.7
-72.5°	2613.7	2647.5	2656.4	2656.1	2656.4	2647.5	2613.7	2573.3	2526.8	2463.7	2367.1
-75°	2110.0	2136.0	2153.4	2164.6	2153.4	2136.0	2110.0	2078.8	2042.6	1995.4	1917.8
-77.5°	1606.8	1622.4	1636.9	1646.7	1636.9	1622.4	1606.8	1586.5	1561.6	1528.2	1465.0
-80°	1093.6	1100.8	1102.5	1100.7	1102.5	1100.8	1093.6	1082.9	1068.9	1049.8	1009.9
-82.5°	651.4	654.5	651.2	646.0	651.2	654.5	651.4	646.4	639.5	630.4	611.8
-85°	319.6	319.8	319.2	317.8	319.2	319.8	319.6	318.6	316.7	314.0	305.4
-87.5°	118.6	119.0	121.1	122.9	121.1	119.0	118.6	118.0	117.2	116.2	112.4
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0





REPORT NUMBER: P731471 (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°
90°	23.7	23.3	22.8	21.9	21.1	20.2	19.3	18.4	17.6	16.7	15.8
87.5°	12.7	10.5	8.5	8.8	9.1	9.3	9.6	9.1	8.6	8.2	7.8
85°	24.7	21.7	18.8	19.1	19.3	19.5	19.5	19.1	18.5	17.8	16.8
82.5°	29.3	29.9	30.2	32.3	34.1	35.3	36.0	36.1	35.6	34.4	32.5
80°	36.8	39.3	41.8	46.5	50.6	54.0	56.6	58.3	59.4	59.8	58.0
77.5°	43.7	47.5	51.9	58.9	65.4	71.4	76.6	79.7	81.5	82.5	80.4
75°	44.3	49.3	55.8	65.7	75.1	84.0	90.4	94.6	98.3	101.2	99.0
72.5°	39.0	43.8	51.7	63.8	76.4	87.4	96.9	104.9	111.4	116.4	112.2
70°	31.8	35.3	42.8	54.1	66.1	78.5	92.0	105.9	120.3	129.5	122.1
67.5°	26.0	27.9	33.6	42.4	52.9	64.7	78.4	94.3	109.6	124.5	121.7
65°	22.2	23.8	27.7	33.6	41.1	50.2	60.8	73.9	90.2	107.0	108.5
62.5°	19.8	20.9	23.6	27.3	32.0	37.9	46.0	57.1	69.7	80.2	85.6
60°	19.3	19.6	21.6	23.8	26.3	30.0	36.9	44.5	52.9	61.8	66.5
57.5°	21.4	21.7	23.0	24.0	24.6	27.4	31.6	36.5	44.1	49.7	53.2
55°	25.7	27.3	28.4	28.4	28.0	29.1	30.2	32.8	38.5	43.7	48.5
52.5°	29.5	32.5	35.1	36.9	37.1	35.9	33.6	34.5	37.6	42.9	47.3
50°	38.4	41.9	43.4	43.7	47.6	47.6	44.9	41.3	46.4	48.9	49.1
47.5°	60.9	64.8	61.1	59.9	66.8	65.0	62.3	62.0	68.1	63.1	61.1
45°	113.9	113.8	104.2	107.2	105.1	101.9	90.7	100.3	102.0	96.4	79.6
42.5°	206.9	197.7	185.7	189.2	184.8	170.0	151.2	156.1	153.0	140.7	130.8
40°	337.6	314.4	303.4	299.9	292.0	270.7	253.1	227.6	219.3	200.8	197.7
37.5°	498.2	462.8	452.5	432.0	415.7	411.4	383.7	337.4	296.6	314.3	291.8
35°	696.8	664.7	658.7	606.9	569.4	648.3	575.1	483.2	462.1	505.4	431.5
32.5°	1016.9	1157.7	1031.3	919.9	1046.6	1064.5	928.2	709.3	817.3	815.1	680.9
30°	2169.9	2196.8	2029.1	1719.8	1905.1	1861.2	1465.0	1412.5	1381.7	1236.5	1010.9
27.5°	4191.7	3756.0	3508.7	3341.6	3075.5	2931.3	2613.6	2285.4	2101.7	1836.0	1481.1
25°	6660.8	6049.4	5501.0	5153.4	4695.9	4232.2	3856.6	3393.2	2995.6	2569.7	2072.0
22.5°	9324.9	8603.6	7848.4	7146.7	6509.3	5863.8	5200.4	4539.0	3975.6	3421.8	2788.4
20°	12158.1	11265.0	10255.1	9379.7	8504.7	7591.7	6673.5	5875.3	5144.2	4361.2	3559.5
17.5°	15495.2	14176.1	12925.5	11791.4	10620.6	9454.7	8494.6	7490.7	6425.9	5350.6	4360.4
15°	19096.2	17496.2	15948.8	14417.3	12952.8	11680.4	10478.1	9201.0	7827.2	6448.0	5270.5
12.5°	22906.9	20896.3	18970.5	17194.7	15573.1	14022.7	12526.1	10991.1	9325.3	7689.6	6337.7
10°	26616.8	24262.4	22108.0	20063.0	18162.9	16363.9	14493.5	12636.1	10751.8	8913.9	7368.1
7.5°	30045.8	27495.0	25080.7	22653.3	20323.4	18247.9	16217.4	14177.4	12116.5	10073.3	8354.5
5°	32902.3	30014.2	27243.9	24565.6	22058.9	19956.3	17837.8	15636.4	13401.6	11158.8	9287.8
2.5°	34832.5	31887.6	29066.2	26240.0	23491.6	21329.5	19101.3	16744.7	14299.0	11875.3	9893.8
0°	36227.3	32979.6	30018.0	27110.8	24161.5	22072.4	19872.7	17515.0	14941.4	12441.5	10433.2
-2.5°	36236.5	32951.0	29988.9	26915.5	24018.4	21752.1	19606.0	17323.0	14943.7	12542.6	10556.3
-5°	35733.5	32494.4	29535.7	26536.1	23637.4	21343.6	19239.6	17057.7	14836.2	12553.9	10605.9
-7.5°	34966.1	31813.0	28850.8	25868.0	23056.7	20820.0	18789.2	16744.5	14640.9	12487.6	10588.2
-10°	33910.2	30914.2	28058.7	25098.7	22394.7	20181.9	18256.7	16356.2	14363.7	12332.3	10503.4
-12.5°	32542.1	29681.6	27026.8	24193.1	21634.8	19579.9	17704.3	15897.6	14020.3	12090.8	10354.7
-15°	30693.3	28208.4	25723.7	23155.4	20797.3	18870.5	17071.7	15310.4	13458.1	11676.6	10145.5
-17.5°	28709.1	26533.5	24314.2	21855.2	19734.9	18043.8	16339.6	14575.7	12745.9	10998.6	9593.8
-20°	26371.2	24386.2	22514.2	20384.1	18355.6	16730.7	15328.3	13722.3	11890.6	10263.9	8932.0



REPORT NUMBER: P731471 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-CV2

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	23609.6	21910.5	20191.0	18408.7	16749.7	15244.4	13879.8	12493.9	10888.7	9416.7	8207.1
-25°	20775.9	19285.6	17745.3	16322.2	14943.2	13584.3	12338.0	11064.6	9794.6	8535.6	7435.2
-27.5°	18014.8	16710.5	15423.9	14285.6	13172.7	11984.7	10806.0	9717.9	8737.8	7729.4	6693.2
-30°	15578.5	14732.9	13604.1	12501.0	11743.8	10697.7	9437.6	8660.2	7880.0	7009.9	6087.9
-32.5°	14028.6	13227.9	12237.5	11361.0	10582.4	9634.0	8683.5	7769.6	7143.8	6395.5	5625.0
-35°	12749.5	12011.4	11215.8	10433.2	9632.3	8830.8	7995.7	7230.5	6517.3	5840.8	5188.7
-37.5°	11518.7	10885.1	10220.1	9517.1	8826.1	8100.7	7377.8	6673.8	5975.6	5370.6	4792.6
-40°	10364.9	9820.1	9277.3	8662.5	8037.7	7399.6	6753.9	6101.6	5497.4	4924.4	4406.4
-42.5°	9295.8	8846.0	8374.9	7829.3	7262.5	6703.7	6127.5	5556.0	5016.3	4513.0	4036.9
-45°	8297.6	7905.5	7476.1	7016.1	6512.9	6020.5	5511.6	5026.9	4557.1	4109.1	3662.2
-47.5°	7368.9	7025.9	6639.2	6239.9	5810.3	5370.9	4956.6	4522.5	4115.4	3704.7	3318.8
-50°	6539.8	6249.6	5910.5	5537.5	5189.4	4819.0	4440.7	4049.2	3692.3	3347.0	2992.8
-52.5°	5866.3	5587.9	5286.2	4962.5	4637.8	4304.8	3955.6	3642.6	3324.8	3017.3	2705.3
-55°	5253.8	5004.5	4736.3	4439.2	4126.8	3857.0	3571.6	3280.9	2996.5	2710.3	2453.7
-57.5°	4742.5	4505.8	4253.8	3992.5	3722.4	3465.6	3208.1	2943.5	2696.8	2459.2	2221.0
-60°	4268.9	4046.7	3821.8	3584.9	3335.7	3091.5	2883.7	2664.4	2433.7	2231.7	2028.8
-62.5°	3840.0	3638.4	3429.1	3224.0	3016.0	2809.3	2612.0	2418.7	2222.9	2030.6	1857.7
-65°	3458.7	3287.0	3102.8	2916.0	2731.7	2551.0	2372.3	2197.9	2031.6	1870.1	1702.1
-67.5°	3080.5	2929.1	2770.1	2609.2	2452.3	2300.5	2146.7	1995.2	1842.8	1694.2	1537.4
-70°	2683.8	2558.7	2429.5	2298.1	2166.0	2035.3	1899.5	1762.7	1630.0	1498.7	1359.9
-72.5°	2267.0	2164.1	2057.9	1950.5	1845.0	1739.0	1625.5	1507.0	1392.4	1282.4	1168.7
-75°	1836.3	1751.3	1665.0	1581.7	1498.5	1416.1	1329.6	1235.3	1143.2	1053.9	962.6
-77.5°	1399.3	1331.6	1264.8	1206.3	1147.7	1089.6	1028.4	956.7	886.1	816.5	745.6
-80°	968.4	925.5	882.8	846.8	808.8	769.1	726.2	674.4	623.0	575.3	530.0
-82.5°	591.6	569.9	547.1	526.0	503.7	480.1	454.9	425.1	395.3	365.7	335.7
-85°	296.1	286.1	275.6	267.0	257.7	247.6	236.7	223.3	209.3	194.5	178.9
-87.5°	108.6	104.7	100.7	97.8	94.8	91.6	88.3	83.5	78.7	73.9	69.2
-90°	4.4	4.9	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3





REPORT NUMBER: P731471 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-7F-CV2

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	15.4	14.9	14.5	14.0	13.6	13.2	12.7	12.3	11.9	11.4	11.0
87.5°	9.3	10.7	12.0	13.1	12.4	11.8	11.3	10.7	10.7	10.6	10.4
85°	17.2	17.8	18.5	19.4	18.2	16.7	15.5	14.5	14.4	14.2	13.9
82.5°	29.4	27.8	27.0	26.5	26.0	25.0	23.5	21.4	19.1	17.9	17.3
80°	51.7	46.1	41.0	36.9	34.5	33.5	32.3	29.9	25.0	21.6	19.7
77.5°	71.9	64.1	57.0	50.1	44.1	40.0	37.8	36.4	30.7	25.1	21.5
75°	89.8	79.7	70.3	61.2	52.8	45.9	41.0	37.5	32.8	28.1	23.0
72.5°	101.6	91.4	81.6	71.2	60.1	51.0	43.8	38.5	33.7	28.9	24.1
70°	110.6	100.6	90.3	78.4	66.5	55.3	46.3	40.0	34.5	29.6	24.7
67.5°	116.8	104.7	94.4	84.3	72.0	59.8	48.4	41.5	35.9	30.3	25.3
65°	104.8	100.8	95.7	85.1	74.9	64.0	51.8	43.5	37.2	31.4	25.8
62.5°	89.2	89.7	86.7	83.3	75.1	65.0	55.0	46.7	38.7	32.5	26.6
60°	69.8	74.0	76.7	75.5	72.0	64.7	56.2	49.7	41.3	33.4	27.4
57.5°	57.8	59.4	63.7	66.9	65.9	61.8	56.9	51.2	43.7	35.2	28.3
55°	50.0	52.6	54.2	56.8	59.1	57.1	56.4	52.0	45.6	37.1	29.5
52.5°	49.8	50.7	51.0	50.3	51.4	53.2	54.0	52.9	46.5	38.8	31.5
50°	51.8	56.4	53.4	49.9	45.9	48.8	51.9	51.4	47.4	40.2	33.6
47.5°	61.2	67.5	63.8	53.6	47.6	45.1	49.2	49.9	48.4	41.0	35.7
45°	86.4	85.4	79.7	67.3	52.3	48.3	46.8	48.5	47.3	43.2	37.7
42.5°	120.8	115.9	103.5	83.6	73.0	55.0	45.0	47.1	46.3	45.7	39.9
40°	181.1	155.7	134.6	122.2	104.4	63.8	51.6	46.1	45.9	48.1	42.3
37.5°	251.9	213.7	177.2	178.0	147.1	99.4	60.2	45.6	48.6	50.3	44.9
35°	355.1	287.9	265.2	253.8	208.7	141.3	69.9	49.0	52.5	53.0	47.6
32.5°	473.7	432.1	416.8	349.8	280.8	189.2	98.8	62.9	57.5	56.3	50.5
30°	753.5	687.1	616.0	461.0	366.8	256.6	146.2	77.2	63.5	60.2	53.5
27.5°	1204.7	989.4	861.1	641.4	471.9	333.6	205.5	91.8	70.5	64.8	56.5
25°	1691.6	1389.3	1153.7	869.6	586.8	452.7	272.2	108.1	81.3	70.4	59.8
22.5°	2241.5	1821.7	1477.8	1125.2	769.2	591.0	357.9	160.4	93.7	76.5	63.3
20°	2799.0	2260.4	1846.5	1440.6	1006.9	748.1	465.7	215.7	106.0	83.1	67.0
17.5°	3382.0	2818.1	2350.1	1800.9	1273.2	913.7	582.4	273.0	118.2	90.0	70.9
15°	4273.8	3527.9	2890.8	2194.0	1537.1	1085.2	705.3	331.3	130.0	97.1	78.6
12.5°	5200.5	4250.8	3454.7	2610.0	1796.1	1259.9	831.5	389.2	141.6	111.9	91.5
10°	6103.8	4977.1	4030.9	3038.1	2047.3	1434.7	957.9	465.6	176.4	133.0	104.6
7.5°	6975.9	5696.3	4607.5	3466.3	2307.9	1664.3	1187.0	584.2	215.8	154.4	117.8
5°	7760.0	6327.3	5152.0	3915.6	2663.2	1947.2	1431.7	702.3	255.7	175.9	130.9
2.5°	8287.3	6808.6	5652.7	4335.1	3002.3	2219.4	1669.3	816.1	295.2	197.1	143.8
0°	8754.9	7243.4	6112.8	4715.4	3321.5	2478.8	1892.5	921.7	333.6	217.7	156.2
-2.5°	8873.2	7351.0	6254.9	4948.0	3590.2	2715.9	2094.0	1084.8	458.0	294.7	205.1
-5°	8929.4	7422.3	6361.0	5142.3	3833.7	2936.9	2271.3	1233.8	577.9	369.5	252.6
-7.5°	8941.3	7479.5	6417.5	5282.0	4050.3	3140.4	2422.3	1366.7	691.1	441.0	298.3
-10°	8900.4	7502.5	6402.0	5245.7	4063.9	3224.4	2523.1	1481.4	795.3	508.0	341.3
-12.5°	8805.1	7472.8	6348.6	5164.9	4015.6	3193.3	2458.0	1524.8	884.8	569.6	381.0
-15°	8658.3	7386.7	6257.4	5038.2	3936.8	3141.8	2384.2	1531.6	939.6	623.6	416.9
-17.5°	8386.5	7241.5	6128.9	4864.3	3826.6	3069.0	2305.5	1529.1	986.4	670.0	451.0
-20°	7809.5	6872.3	5952.3	4642.6	3684.3	2974.2	2225.5	1518.5	1024.9	710.3	482.9



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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°	7197.0	6350.2	5482.1	4447.7	3534.1	2856.8	2147.5	1500.8	1054.9	743.8	510.1
-25°	6539.8	5819.8	4987.9	4129.2	3388.7	2735.2	2088.7	1477.0	1075.9	770.1	532.4
-27.5°	5924.4	5285.0	4523.3	3814.9	3182.9	2627.2	2043.1	1492.0	1093.2	788.9	549.4
-30°	5337.6	4782.8	4151.2	3525.0	2974.5	2484.5	1994.5	1498.0	1111.5	804.6	560.8
-32.5°	4914.2	4333.6	3813.2	3288.1	2791.9	2333.5	1900.7	1492.7	1119.6	815.6	569.6
-35°	4579.1	4000.8	3497.7	3054.0	2616.1	2191.9	1789.6	1476.2	1117.2	819.0	573.9
-37.5°	4232.8	3715.4	3246.8	2837.2	2435.2	2044.5	1696.4	1404.1	1104.3	814.5	572.6
-40°	3909.8	3434.3	3012.7	2635.7	2263.3	1891.6	1596.2	1331.9	1088.7	802.1	565.6
-42.5°	3575.2	3161.6	2783.8	2430.2	2091.5	1773.3	1491.9	1255.1	1036.3	786.1	553.0
-45°	3259.9	2886.2	2552.1	2237.5	1922.0	1648.7	1402.1	1175.9	976.1	764.8	537.3
-47.5°	2939.8	2626.9	2330.8	2041.8	1778.7	1525.0	1307.7	1105.3	912.9	735.4	519.9
-50°	2654.1	2379.6	2120.1	1872.3	1629.8	1416.8	1213.4	1031.5	855.0	684.0	497.2
-52.5°	2410.5	2156.1	1930.9	1710.1	1504.2	1304.3	1128.9	955.7	794.6	635.7	469.5
-55°	2191.2	1956.9	1756.7	1567.1	1381.7	1205.8	1041.5	886.3	731.9	587.3	437.8
-57.5°	2002.7	1777.2	1604.1	1433.8	1270.2	1110.2	958.6	814.4	672.9	536.8	408.8
-60°	1825.7	1634.3	1460.8	1313.2	1164.8	1018.0	877.7	742.7	613.3	485.6	372.5
-62.5°	1678.7	1496.3	1335.4	1198.3	1063.6	929.9	795.8	673.7	551.5	438.0	332.6
-65°	1532.6	1368.2	1212.3	1090.5	966.2	839.9	717.5	602.4	491.7	387.9	293.3
-67.5°	1383.1	1236.3	1101.0	983.9	864.3	747.9	636.3	530.4	430.2	335.6	258.8
-70°	1224.8	1099.2	978.7	865.2	756.6	651.7	551.1	456.4	366.3	290.7	222.5
-72.5°	1052.7	942.7	839.2	740.6	642.3	549.4	462.3	381.6	309.7	244.0	184.7
-75°	868.0	776.1	688.7	604.6	521.9	444.2	375.9	312.3	251.4	195.7	150.4
-77.5°	670.1	598.2	530.4	467.4	404.0	345.1	291.0	240.9	193.9	153.5	116.9
-80°	479.3	429.7	381.3	333.8	286.9	243.9	209.9	177.0	142.5	111.0	82.5
-82.5°	299.9	269.7	241.9	215.0	188.2	162.6	138.2	114.9	90.2	67.7	54.5
-85°	161.4	144.5	128.1	112.3	96.0	80.6	73.0	65.5	56.4	47.9	40.1
-87.5°	65.7	62.3	58.8	55.3	51.1	46.9	42.9	39.0	34.2	29.7	25.6
-90°	5.7	6.2	6.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.5	10.1	9.7	9.2	8.8	7.9	7.0
87.5°	10.2	9.4	8.7	8.1	7.6	7.3	7.0
85°	13.3	11.7	10.3	9.2	8.2	7.5	7.0
82.5°	16.5	14.1	12.0	10.2	8.8	7.8	7.0
80°	19.2	16.4	13.6	11.3	9.4	8.1	7.0
77.5°	19.6	17.9	15.2	12.3	10.0	8.3	7.0
75°	19.9	18.0	16.5	13.3	10.6	8.6	7.0
72.5°	20.2	18.0	16.4	14.3	11.2	8.8	7.0
70°	20.5	18.1	16.3	15.1	11.7	9.1	7.0
67.5°	21.1	18.0	16.1	14.9	12.3	9.3	7.0
65°	21.8	18.3	16.0	14.7	12.8	9.6	7.0
62.5°	22.5	18.9	15.8	14.5	13.3	9.8	7.0
60°	23.1	19.5	15.5	14.2	13.8	10.0	7.0
57.5°	24.2	20.1	16.0	14.0	13.7	10.2	7.0
55°	25.3	20.7	16.5	13.7	13.6	10.4	7.0
52.5°	26.4	21.3	16.9	13.4	13.5	10.6	7.0
50°	27.5	22.3	17.4	13.1	13.5	10.8	7.0
47.5°	28.7	23.2	17.8	12.9	13.4	11.0	7.0
45°	30.6	24.2	18.2	13.2	13.4	11.2	7.0
42.5°	32.3	25.1	18.6	13.5	13.4	11.3	7.0
40°	34.1	26.0	19.1	14.0	13.5	11.5	7.0
37.5°	35.8	26.9	19.8	14.8	13.5	11.6	7.0
35°	37.5	28.1	20.4	15.5	13.6	11.7	7.0
32.5°	39.3	29.3	21.0	16.3	13.7	11.9	7.0
30°	41.5	30.6	21.6	17.1	13.8	12.0	7.0
27.5°	43.8	31.7	23.3	17.9	13.9	12.0	7.0
25°	46.1	32.8	25.3	18.7	14.1	12.1	7.0
22.5°	48.3	34.8	27.3	19.6	14.2	12.2	7.0
20°	50.6	39.2	29.4	20.4	14.4	12.3	7.0
17.5°	56.5	43.8	31.5	21.2	14.6	12.3	7.0
15°	64.7	48.6	33.6	22.0	14.7	12.3	7.0
12.5°	73.1	53.5	35.8	22.8	14.9	12.4	7.0
10°	81.6	58.4	37.9	23.6	15.1	12.4	7.0
7.5°	90.0	63.3	39.9	24.3	15.3	12.4	7.0
5°	98.3	68.1	41.9	25.0	15.5	12.4	7.0
2.5°	106.4	72.8	43.8	25.7	15.6	12.3	7.0
0°	114.1	77.2	45.6	26.3	15.8	12.3	7.0
-2.5°	143.7	93.8	54.5	30.2	16.9	12.5	7.0
-5°	172.5	109.8	63.1	34.0	18.1	12.7	7.0
-7.5°	200.0	125.2	71.4	37.6	19.1	12.9	7.0
-10°	225.9	139.7	79.2	41.1	20.2	13.1	7.0
-12.5°	249.8	153.1	86.5	44.3	21.2	13.3	7.0
-15°	271.4	165.3	93.2	47.2	22.1	13.4	7.0
-17.5°	290.3	176.2	99.1	49.8	23.0	13.6	7.0
-20°	308.7	185.5	104.1	52.0	23.7	13.7	7.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	328.4	193.1	108.3	53.9	24.4	13.8	7.0
-25°	344.7	203.0	111.6	55.3	25.0	13.9	7.0
-27.5°	357.3	212.5	113.8	56.3	25.5	13.9	7.0
-30°	366.3	219.6	115.2	56.9	25.9	13.9	7.0
-32.5°	371.3	224.3	118.8	56.9	26.2	13.9	7.0
-35°	375.4	226.4	120.9	56.4	26.4	13.9	7.0
-37.5°	376.8	226.9	121.6	55.4	26.4	13.9	7.0
-40°	374.4	227.0	120.8	53.9	26.3	13.8	7.0
-42.5°	368.0	224.8	119.7	52.4	26.1	13.7	7.0
-45°	357.8	220.2	118.6	51.5	25.8	13.6	7.0
-47.5°	343.7	213.2	116.2	49.8	25.4	13.4	7.0
-50°	330.6	203.9	112.5	49.3	24.8	13.2	7.0
-52.5°	314.9	192.3	107.7	48.8	24.1	13.0	7.0
-55°	296.1	182.5	101.6	47.7	23.3	12.8	7.0
-57.5°	274.2	171.6	94.4	46.1	22.4	12.6	7.0
-60°	250.2	159.0	86.3	43.8	21.4	12.3	7.0
-62.5°	229.9	144.8	80.6	41.1	20.6	12.0	7.0
-65°	207.5	129.0	73.9	37.9	19.8	11.7	7.0
-67.5°	183.0	114.0	66.3	34.2	18.9	11.4	7.0
-70°	156.6	100.0	58.0	30.2	17.9	11.1	7.0
-72.5°	133.2	84.9	49.0	27.6	16.9	10.7	7.0
-75°	108.9	68.8	39.4	25.2	15.8	10.3	7.0
-77.5°	83.4	51.8	34.0	22.8	14.7	9.9	7.0
-80°	57.0	41.0	29.3	20.2	13.6	9.6	7.0
-82.5°	44.2	33.4	24.5	17.5	12.4	9.1	7.0
-85°	33.1	25.8	19.6	14.8	11.2	8.7	7.0
-87.5°	21.8	17.9	14.7	12.0	10.0	8.3	7.0
-90°	7.0	7.0	7.0	7.0	7.0	7.0	7.0

(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

