

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: P701359 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-80-7F-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701359 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-44)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-80-7F-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

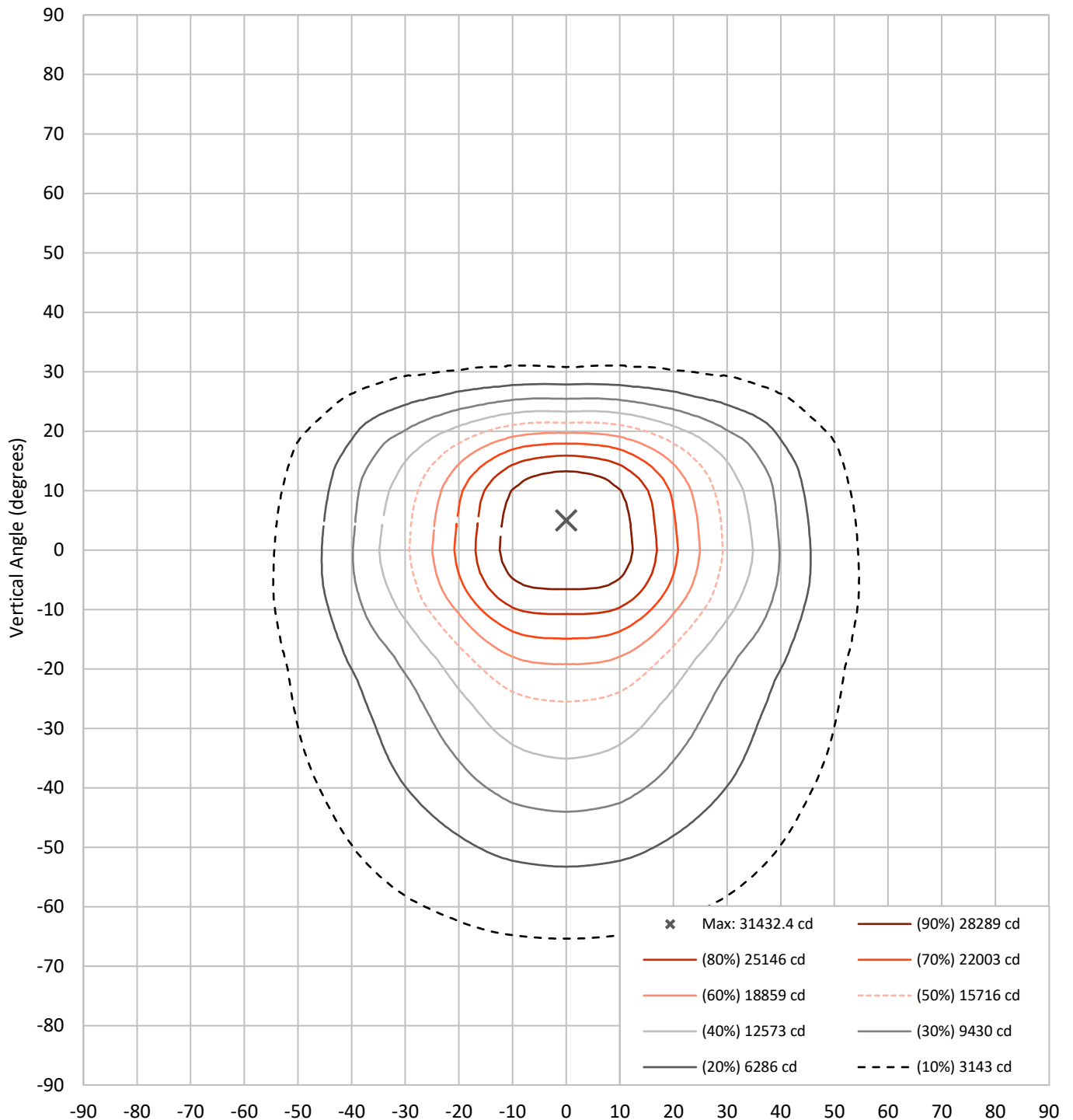
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	30798.5 lumens	Max Intensity:	31432.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	89.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	57.7°H x 46.8°V	Field Angle (10%):	107.9°H x 96.1°V
Beam Lumens:	14813.4 lumens	Field Lumens:	28551.1 lumens
Beam Efficiency:	48.1%	Field Efficiency:	92.7%

Input Watts (W): 344.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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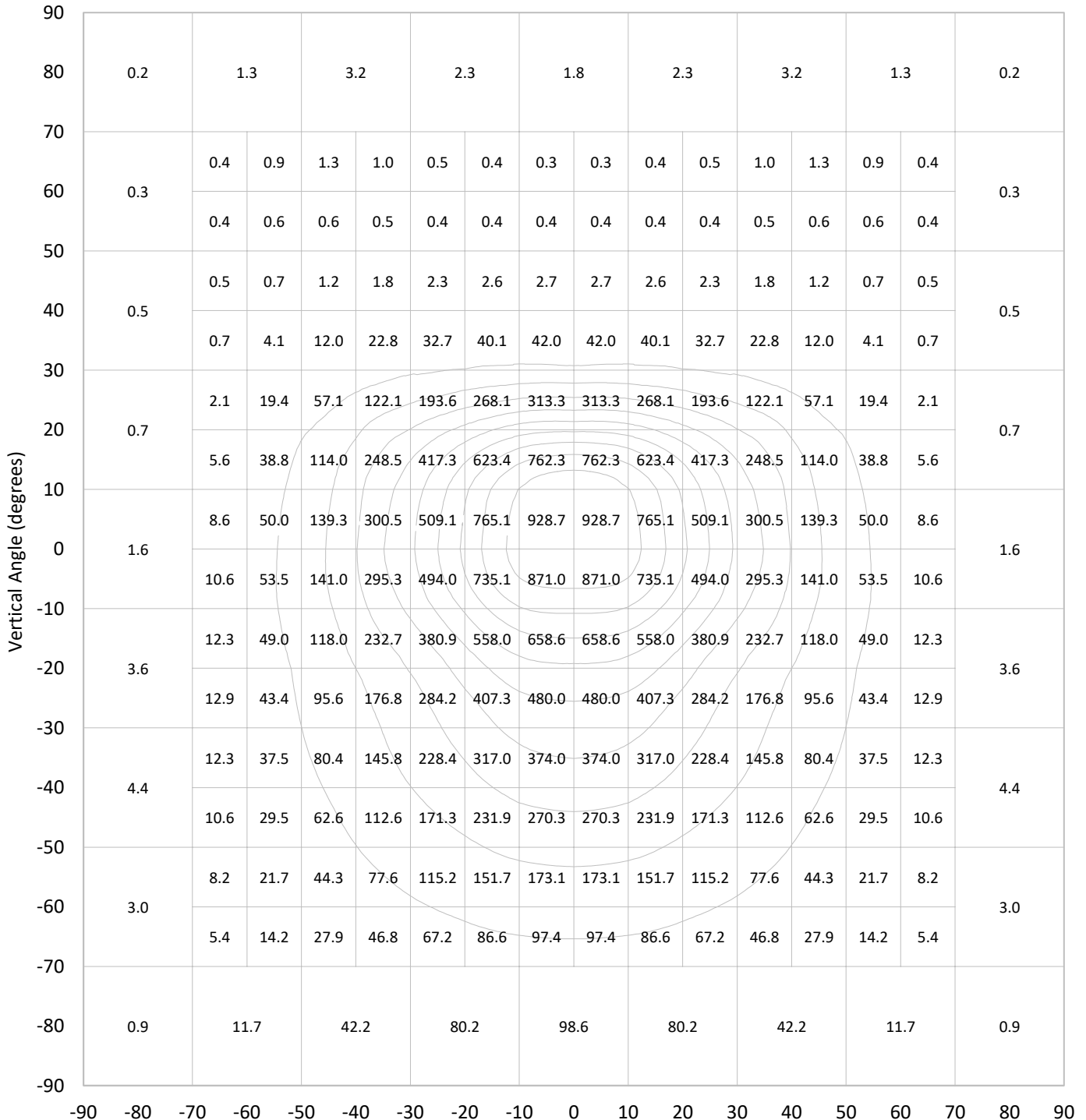
Iso-Candela Plot





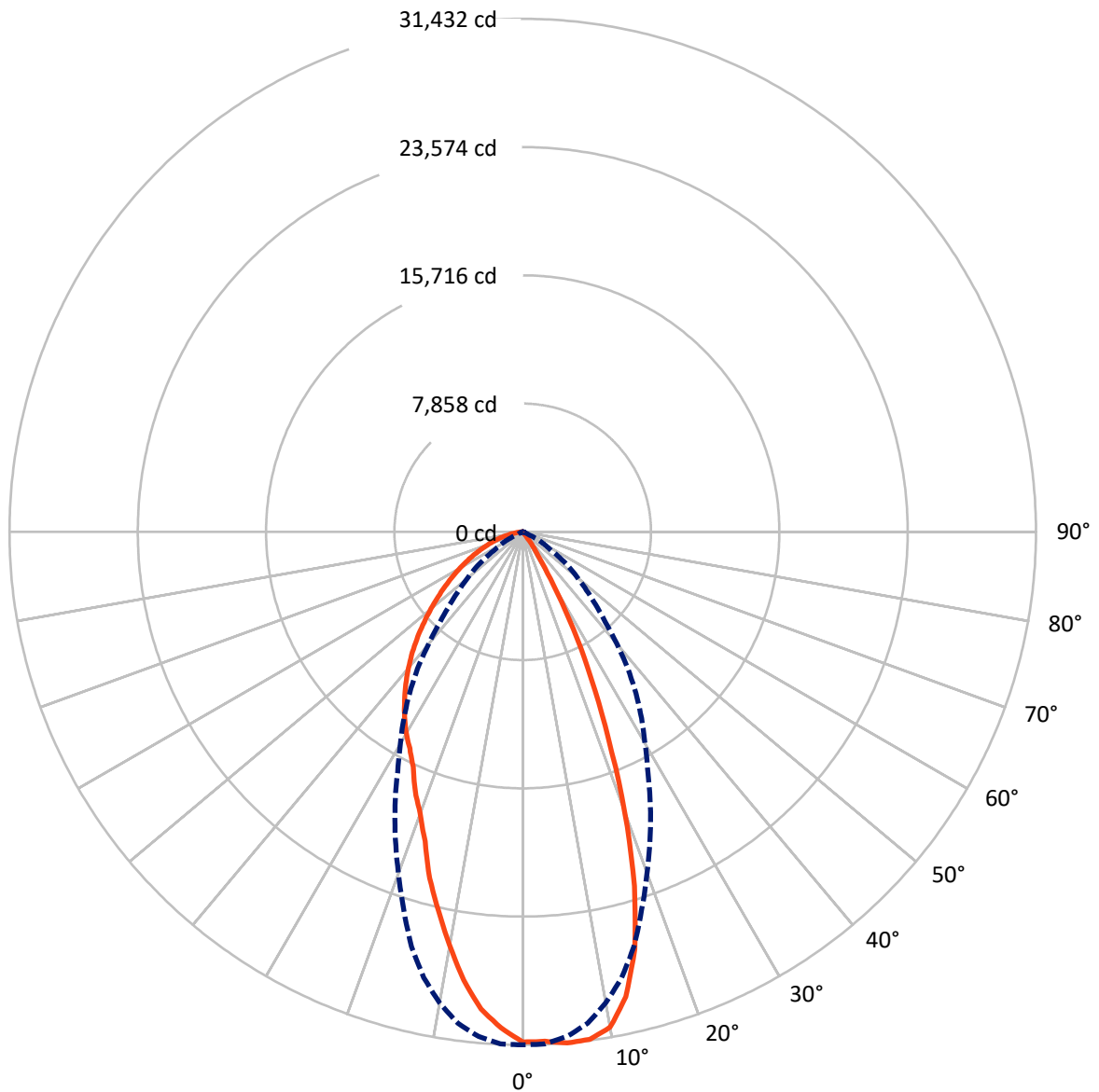
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Lumen Table



REPORT NUMBER: P701359 (CONVERTED FROM TYPE C PHOTOMETRY)
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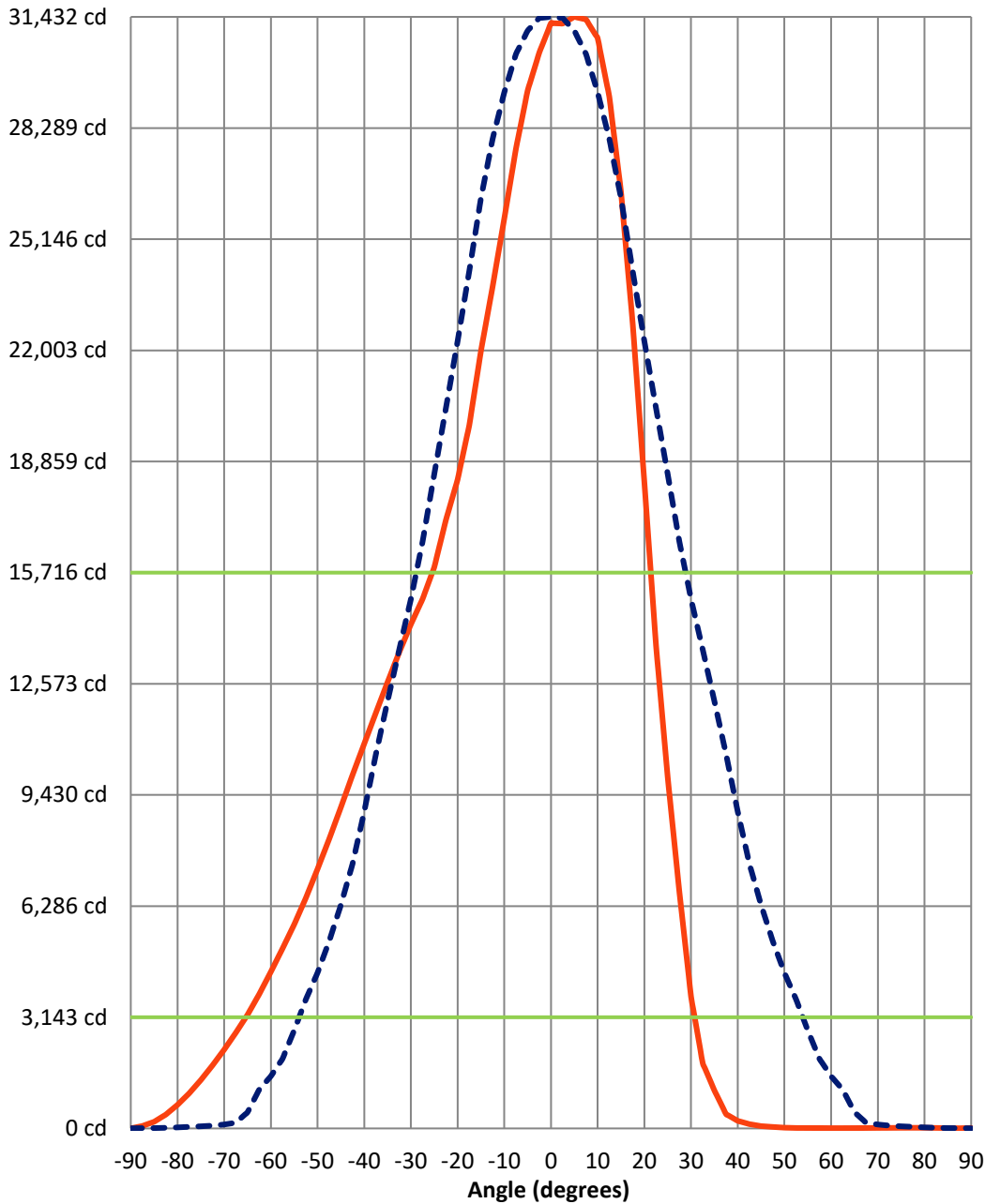
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 57.7°
 V Angle: 46.8°
 Lumens: 14813.4
 Efficiency: 48.1%

Field:
 H Angle: 107.9°
 V Angle: 96.1°
 Lumens: 28551.1
 Efficiency: 92.7%

Spill:
 Lumens: 2247.4
 Efficiency: 7.3%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 5-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.3	4.9	5.4	5.7	6.0	6.2	6.5	6.8	7.0	7.3	7.5
87.5°	4.3	5.0	5.8	5.8	6.0	6.2	6.5	6.5	6.3	6.2	6.0
85°	4.3	5.2	6.1	6.5	7.1	7.8	8.7	8.9	8.9	8.9	8.7
82.5°	4.3	5.3	6.5	7.2	8.2	9.4	10.9	11.3	11.5	12.1	13.4
80°	4.3	5.5	6.9	7.9	9.3	11.0	12.9	13.1	14.2	16.2	19.1
77.5°	4.3	5.6	7.2	8.6	10.3	12.1	13.4	14.5	16.7	20.1	23.5
75°	4.3	5.8	7.6	9.2	11.2	12.3	13.8	15.8	18.9	21.5	24.2
72.5°	4.3	5.9	7.9	9.9	11.2	12.5	14.2	16.8	19.4	22.1	24.8
70°	4.3	6.1	8.2	10.3	11.2	12.7	14.6	17.2	19.9	22.7	26.1
67.5°	4.3	6.2	8.5	10.3	11.2	12.8	15.0	17.5	20.4	24.0	27.5
65°	4.3	6.4	8.8	10.1	11.2	13.0	15.4	17.9	21.4	25.2	29.1
62.5°	4.3	6.5	9.1	10.0	11.1	13.5	15.9	18.6	22.4	26.4	31.0
60°	4.3	6.6	9.4	9.9	11.0	13.9	16.3	19.4	23.4	27.8	32.7
57.5°	4.3	6.7	9.3	9.7	11.3	14.3	17.1	20.3	24.4	29.1	33.6
55°	4.3	6.8	9.2	9.6	11.7	14.7	18.0	21.2	25.4	30.2	34.1
52.5°	4.3	6.9	9.2	9.4	12.1	15.2	18.8	22.3	26.2	30.7	34.6
50°	4.3	7.0	9.1	9.2	12.4	15.9	19.6	23.5	26.9	31.3	34.8
47.5°	4.3	7.1	9.0	9.1	12.8	16.5	20.5	24.8	27.4	31.9	35.4
45°	4.3	7.2	9.0	9.3	13.1	17.2	21.7	26.1	28.9	33.0	36.5
42.5°	4.3	7.3	9.0	9.5	13.4	17.8	23.0	27.7	30.8	34.5	38.3
40°	4.3	7.4	9.0	9.9	13.8	18.4	24.3	29.4	33.0	36.5	40.7
37.5°	4.3	7.4	9.0	10.5	14.3	18.9	25.6	31.3	36.0	40.0	43.7
35°	4.3	7.5	9.0	11.0	14.7	19.8	27.0	33.3	39.0	44.3	47.9
32.5°	4.3	7.5	9.0	11.5	15.1	20.9	28.5	35.5	42.3	49.1	55.9
30°	4.3	7.6	9.0	12.1	15.4	21.9	30.2	37.8	45.6	54.4	65.0
27.5°	4.3	7.6	9.0	12.6	16.5	23.0	31.9	40.5	49.4	60.2	75.3
25°	4.3	7.6	9.1	13.2	17.7	24.0	33.6	43.2	54.0	67.9	87.6
22.5°	4.3	7.7	9.1	13.8	19.1	25.5	35.3	46.0	58.8	76.8	128.6
20°	4.3	7.7	9.2	14.4	20.4	28.2	37.0	48.7	63.7	86.2	174.5
17.5°	4.3	7.7	9.3	14.9	21.8	31.0	40.2	51.4	68.7	95.8	224.2
15°	4.3	7.7	9.3	15.5	23.2	33.8	44.2	55.4	73.7	105.6	276.5
12.5°	4.3	7.7	9.4	16.0	24.6	36.6	48.3	61.3	81.4	115.4	330.1
10°	4.3	7.6	9.5	16.5	26.0	39.4	52.2	67.2	91.3	130.5	380.6
7.5°	4.3	7.6	9.5	17.0	27.4	42.1	56.1	73.0	101.3	146.2	421.6
5°	4.3	7.6	9.6	17.5	28.8	44.7	59.8	78.7	111.0	161.4	457.5
2.5°	4.3	7.5	9.6	17.9	30.0	47.2	63.4	84.2	120.4	175.9	487.7
0°	4.3	7.5	9.7	18.3	31.2	49.6	66.8	89.4	129.3	189.6	511.7
-2.5°	4.3	7.6	10.4	20.5	36.3	59.3	83.5	117.5	173.2	253.6	578.5
-5°	4.3	7.8	11.2	22.7	41.2	68.7	99.9	144.9	215.7	315.6	638.7
-7.5°	4.3	7.9	11.9	24.8	45.9	77.6	115.6	171.2	256.4	374.6	692.4
-10°	4.3	8.0	12.6	26.7	50.3	86.1	130.5	196.0	294.5	429.8	739.6
-12.5°	4.3	8.1	13.2	28.5	54.4	93.9	144.3	218.8	329.4	480.3	783.6
-15°	4.3	8.2	13.8	30.2	58.1	101.0	156.9	239.3	362.5	525.9	821.2
-17.5°	4.3	8.3	14.4	31.6	61.4	107.2	168.1	261.3	394.4	566.2	850.3
-20°	4.3	8.4	14.9	32.9	64.2	112.6	180.4	283.8	422.6	600.8	870.6



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 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.3	8.4	15.3	33.9	66.5	116.9	195.1	303.3	446.7	629.1	881.8
-25°	4.3	8.5	15.7	34.7	68.3	123.5	207.6	319.7	466.4	650.9	883.7
-27.5°	4.3	8.5	16.0	35.3	69.4	130.1	217.7	332.8	481.6	668.0	904.7
-30°	4.3	8.5	16.3	35.6	70.3	135.3	225.4	342.4	494.6	683.3	917.9
-32.5°	4.3	8.5	16.5	35.6	72.9	138.9	230.6	350.5	504.3	692.4	921.9
-35°	4.3	8.5	16.6	35.3	74.6	140.9	234.3	355.7	509.1	695.1	916.5
-37.5°	4.3	8.5	16.6	34.7	75.4	141.9	236.0	357.1	508.9	691.5	889.4
-40°	4.3	8.4	16.5	33.8	75.2	142.4	235.3	354.7	503.7	685.0	860.9
-42.5°	4.3	8.4	16.4	33.1	74.9	141.4	232.1	348.4	495.7	661.7	826.9
-45°	4.3	8.3	16.1	32.6	74.4	138.8	226.5	339.7	483.8	632.3	788.5
-47.5°	4.3	8.2	15.8	31.8	73.1	134.7	218.5	329.7	466.6	598.9	750.4
-50°	4.3	8.1	15.4	31.5	71.0	129.0	210.5	316.4	437.7	565.4	707.4
-52.5°	4.3	8.0	15.0	31.2	68.2	121.8	200.7	299.9	409.6	528.1	660.3
-55°	4.3	7.9	14.4	30.5	64.6	115.8	188.8	280.7	380.1	487.2	612.9
-57.5°	4.3	7.7	13.8	29.5	60.2	109.1	174.8	262.1	347.9	447.5	561.4
-60°	4.3	7.5	13.1	28.2	55.2	101.2	159.5	238.8	314.1	405.7	508.0
-62.5°	4.3	7.4	12.6	26.5	51.8	92.3	146.7	212.8	282.6	360.9	455.1
-65°	4.3	7.2	12.1	24.6	47.8	82.4	132.5	187.3	249.1	319.4	398.8
-67.5°	4.3	7.0	11.6	22.3	43.3	73.3	117.0	165.3	213.9	277.2	346.2
-70°	4.3	6.8	11.0	19.9	38.3	65.0	100.2	142.1	185.3	233.0	294.2
-72.5°	4.3	6.6	10.4	18.2	33.0	56.0	86.2	118.1	155.6	197.1	242.4
-75°	4.3	6.3	9.7	16.6	27.2	46.4	71.9	97.1	125.0	160.2	198.6
-77.5°	4.3	6.1	9.0	15.0	23.5	36.4	56.9	76.9	99.0	124.0	153.5
-80°	4.3	5.9	8.3	13.2	20.2	29.2	41.3	56.2	73.0	92.1	113.4
-82.5°	4.3	5.6	7.6	11.4	16.7	23.7	32.1	38.6	46.5	59.6	74.4
-85°	4.3	5.4	6.9	9.5	13.2	17.9	23.7	28.1	32.7	37.7	43.0
-87.5°	4.3	5.1	6.1	7.6	9.6	12.1	15.1	17.4	19.9	22.5	25.3
-90°	4.3	4.9	5.4	5.1	4.9	4.6	4.3	4.0	3.8	3.5	3.2



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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°	7.5	7.5	7.5	7.5	7.8	8.1	8.3	8.6	9.2	9.7	10.3
87.5°	6.3	6.7	7.1	7.6	7.0	6.4	5.6	4.8	5.0	5.3	5.6
85°	9.4	10.2	11.2	11.9	11.4	10.9	10.5	10.3	10.9	11.4	11.7
82.5°	14.7	15.6	16.1	16.3	16.6	17.1	18.0	19.9	21.2	22.0	22.4
80°	20.5	21.1	21.6	23.0	25.6	28.6	32.0	35.7	36.9	37.0	36.5
77.5°	24.1	25.4	27.9	31.7	35.9	40.2	44.9	49.9	51.4	50.9	50.0
75°	26.2	29.3	33.7	39.1	44.7	50.4	56.5	62.3	63.9	62.1	59.7
72.5°	28.2	32.9	38.8	45.8	52.0	57.9	64.4	71.6	74.2	70.5	66.1
70°	30.2	36.1	42.8	49.8	56.8	63.5	69.9	76.8	80.9	75.2	66.5
67.5°	31.9	38.7	45.9	53.1	59.4	66.0	73.2	76.2	78.0	68.8	58.9
65°	33.9	41.1	47.7	54.1	60.8	63.5	65.9	68.4	68.0	57.5	47.0
62.5°	35.9	41.8	48.1	53.1	54.8	56.4	56.4	54.8	52.2	44.9	35.9
60°	36.6	41.8	46.1	47.8	48.2	46.6	44.6	42.6	39.4	33.3	27.2
57.5°	37.1	39.9	41.8	42.3	40.5	37.4	36.0	32.8	30.1	26.6	21.5
55°	36.9	36.5	37.7	36.7	34.5	32.0	29.5	27.4	24.0	22.9	20.6
52.5°	35.9	34.3	33.8	32.6	31.1	28.6	26.1	24.4	23.6	22.2	20.4
50°	35.6	33.5	30.9	30.8	29.6	27.7	25.1	24.8	24.8	23.6	21.4
47.5°	36.0	33.5	30.2	30.3	30.4	31.1	28.9	27.9	28.3	31.4	28.0
45°	37.2	35.9	32.5	32.3	35.3	39.4	43.0	33.1	43.1	48.0	52.0
42.5°	39.1	39.8	41.5	35.3	46.8	61.2	68.1	71.6	68.0	83.6	99.9
40°	43.5	45.0	57.0	61.7	66.6	96.4	137.8	147.4	112.0	155.7	182.8
37.5°	48.8	64.0	84.9	110.2	107.9	170.1	234.9	284.5	279.6	264.4	378.6
35°	54.9	87.4	143.9	200.3	225.0	283.9	403.3	489.7	541.1	572.2	666.3
32.5°	71.9	115.2	217.6	337.3	440.4	498.8	611.6	801.0	980.3	1087.4	1086.3
30°	101.6	183.6	321.6	505.5	705.9	870.3	963.5	1207.0	1548.7	1791.7	1953.7
27.5°	145.4	266.7	482.0	748.5	1029.2	1308.3	1494.3	1810.7	2270.5	2640.9	2986.9
25°	199.1	398.7	662.8	1037.5	1450.3	1804.8	2072.3	2512.1	3094.7	3675.6	4254.4
22.5°	284.5	552.1	863.3	1353.3	1915.0	2317.9	2710.8	3246.9	3920.7	4736.2	5618.8
20°	403.6	730.4	1077.4	1601.3	2379.7	2840.1	3322.6	3962.4	4748.3	5739.5	6917.8
17.5°	532.2	898.9	1287.4	1871.4	2630.8	3269.0	3916.8	4645.9	5526.6	6676.5	7945.7
15°	667.5	1057.2	1475.0	2112.6	2866.0	3555.4	4321.9	5270.2	6308.8	7552.3	8880.0
12.5°	806.3	1205.5	1641.2	2325.0	3090.5	3814.9	4632.4	5618.6	6826.9	8285.5	9679.3
10°	945.0	1343.7	1787.3	2509.1	3301.0	4046.9	4899.0	5908.1	7137.4	8598.8	10105.3
7.5°	1030.0	1434.9	1906.7	2665.4	3494.2	4251.0	5122.8	6140.6	7352.5	8822.8	10375.4
5°	1094.3	1475.9	1968.8	2771.9	3646.9	4402.2	5297.4	6318.8	7482.0	8959.2	10580.5
2.5°	1144.3	1506.1	2018.3	2851.1	3762.3	4484.4	5401.5	6432.9	7616.9	9128.8	10787.6
0°	1179.6	1526.5	2054.3	2905.4	3849.1	4537.4	5469.3	6501.3	7711.1	9276.3	10971.9
-2.5°	1213.9	1589.6	2127.5	2974.7	3861.6	4545.3	5495.1	6504.1	7711.0	9247.7	10895.5
-5°	1235.4	1642.1	2185.3	3018.3	3848.8	4529.1	5480.8	6465.0	7627.0	9080.0	10612.4
-7.5°	1246.6	1682.3	2227.0	3024.8	3782.3	4433.5	5309.5	6234.7	7349.6	8711.2	10124.1
-10°	1252.5	1706.5	2222.6	2933.8	3644.2	4279.9	5080.8	5967.2	7017.4	8283.6	9590.8
-12.5°	1269.0	1719.6	2202.4	2834.4	3494.3	4106.3	4827.1	5666.5	6632.0	7805.3	9004.7
-15°	1277.9	1726.3	2174.5	2731.8	3336.7	3914.0	4552.5	5335.6	6214.6	7264.1	8328.2
-17.5°	1280.5	1727.5	2140.3	2630.8	3175.3	3704.3	4282.3	5052.0	5852.3	6758.7	7666.2
-20°	1277.7	1724.3	2101.7	2535.7	3016.6	3552.0	4135.5	4807.0	5523.4	6289.8	7045.9



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 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1270.6	1717.6	2069.1	2468.2	2940.4	3452.2	3989.0	4570.0	5186.5	5851.9	6618.7
-25°	1267.1	1692.9	2047.4	2420.4	2866.6	3347.3	3834.9	4351.1	4888.5	5585.5	6316.8
-27.5°	1261.5	1666.8	2004.6	2354.2	2781.2	3241.2	3698.6	4169.8	4721.5	5347.6	6026.4
-30°	1244.9	1603.8	1946.4	2276.6	2690.9	3134.1	3570.9	4018.8	4540.9	5131.2	5760.8
-32.5°	1198.0	1532.4	1869.2	2200.8	2582.2	3016.7	3439.0	3873.3	4357.6	4886.6	5492.3
-35°	1145.6	1458.6	1782.5	2106.9	2455.2	2874.3	3285.2	3705.0	4154.6	4650.8	5215.5
-37.5°	1107.5	1379.3	1689.7	2001.0	2335.3	2707.6	3110.6	3514.7	3940.3	4413.2	4947.3
-40°	1062.0	1294.9	1595.6	1893.5	2197.8	2541.1	2917.5	3305.3	3705.0	4176.5	4665.9
-42.5°	1011.2	1236.1	1498.0	1779.5	2066.5	2378.5	2714.4	3083.4	3484.4	3923.1	4382.6
-45°	967.3	1170.1	1400.3	1663.8	1930.4	2213.0	2524.6	2854.5	3250.5	3658.7	4085.5
-47.5°	917.4	1101.1	1317.6	1541.4	1792.7	2053.2	2328.8	2650.1	3001.9	3384.1	3775.6
-50°	863.5	1038.5	1223.2	1431.3	1654.0	1892.5	2144.1	2437.3	2758.4	3099.9	3460.1
-52.5°	809.2	969.4	1139.5	1320.7	1522.9	1737.2	1970.3	2231.4	2515.6	2814.8	3132.7
-55°	749.7	899.4	1054.1	1218.5	1394.8	1589.3	1797.7	2031.1	2275.4	2546.7	2814.0
-57.5°	688.6	824.0	966.7	1118.8	1277.4	1442.7	1631.6	1829.3	2050.1	2281.9	2517.8
-60°	624.8	746.1	875.3	1015.3	1162.6	1311.6	1464.5	1639.7	1827.1	2019.8	2230.7
-62.5°	557.9	666.8	782.3	906.4	1041.2	1176.1	1313.2	1458.1	1609.9	1783.0	1959.0
-65°	491.6	585.3	688.2	798.6	914.1	1035.2	1158.2	1282.3	1415.1	1557.7	1705.8
-67.5°	421.7	506.3	594.8	688.5	791.0	893.9	1001.2	1113.4	1226.3	1341.9	1463.5
-70°	358.7	425.9	503.0	584.8	667.5	751.7	844.5	940.9	1039.3	1137.5	1238.6
-72.5°	295.2	352.9	414.6	479.9	549.4	618.7	691.2	766.3	846.2	929.0	1013.0
-75°	237.5	278.5	329.0	383.5	436.5	488.7	543.0	604.1	667.4	731.2	794.8
-77.5°	184.3	216.9	252.0	289.5	326.5	368.4	411.3	455.1	500.9	547.9	595.6
-80°	133.4	154.1	180.0	208.0	234.7	261.9	289.8	318.3	348.2	381.1	416.7
-82.5°	88.4	103.1	118.5	134.6	149.6	164.4	180.2	199.6	219.3	239.4	260.0
-85°	47.3	51.7	60.8	70.4	79.9	89.4	98.9	108.4	118.2	127.6	136.8
-87.5°	27.4	29.6	31.8	34.1	36.5	38.9	41.3	43.7	46.9	50.1	53.4
-90°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	10.8	11.1	11.3	11.6	11.8	12.1	12.4	12.6	12.9	13.2	13.5
87.5°	5.9	5.5	5.0	4.6	4.1	5.4	6.7	8.1	9.4	8.7	8.0
85°	12.0	12.1	12.1	12.2	12.2	13.6	15.0	16.4	17.7	16.3	14.9
82.5°	22.5	22.2	21.4	20.3	18.8	18.5	18.0	17.3	16.5	15.7	15.1
80°	35.7	33.9	31.6	28.8	25.7	24.1	22.6	20.9	19.1	18.6	18.1
77.5°	48.1	44.7	40.8	36.5	31.9	29.1	26.5	23.7	20.7	19.9	19.4
75°	56.8	52.5	46.8	40.8	34.4	29.9	26.4	22.9	19.4	18.6	18.4
72.5°	61.2	55.4	48.1	39.7	31.6	26.2	22.9	20.0	17.3	16.4	16.0
70°	57.6	48.7	40.4	32.6	25.4	20.5	18.2	16.1	14.3	13.8	14.1
67.5°	48.7	39.7	32.1	25.4	19.6	15.7	14.3	13.2	12.4	12.1	12.1
65°	38.0	30.5	24.3	19.2	15.0	12.6	12.2	11.7	11.3	10.9	10.6
62.5°	28.1	22.3	18.4	15.5	13.3	11.8	11.4	11.0	10.4	9.9	9.5
60°	21.8	17.4	15.4	14.1	13.0	12.0	11.6	11.4	11.2	11.0	10.7
57.5°	19.0	16.7	14.9	14.1	13.5	13.1	12.8	12.6	12.2	11.8	11.4
55°	18.5	16.8	15.2	14.8	14.5	14.2	13.8	13.4	13.0	12.5	12.3
52.5°	18.6	17.8	16.6	16.1	16.3	15.9	15.0	15.4	15.5	15.1	14.9
50°	21.0	21.2	21.5	19.7	21.5	22.3	21.2	22.1	23.5	23.6	23.5
47.5°	29.7	31.7	34.3	32.3	34.6	38.2	38.0	38.2	41.5	41.9	41.7
45°	47.4	56.0	60.1	62.4	61.5	69.9	71.5	68.8	73.2	74.1	72.8
42.5°	95.0	99.7	110.5	118.9	114.0	122.7	125.2	117.5	125.1	128.5	124.8
40°	212.7	169.2	200.8	222.7	215.1	198.4	227.3	216.9	215.9	228.0	218.6
37.5°	420.0	372.8	405.2	467.7	465.4	386.8	474.5	468.8	394.1	482.6	475.0
35°	753.2	840.4	801.5	918.3	952.1	969.7	1018.3	1068.6	1013.6	1086.1	1084.2
32.5°	1348.6	1529.6	1609.6	1623.8	1773.7	1895.8	1844.1	2040.0	2028.1	2077.0	2127.1
30°	2129.1	2532.5	2736.7	2741.8	2990.5	3209.3	3278.7	3524.6	3670.0	3645.9	3889.4
27.5°	3396.9	3793.2	4129.5	4416.5	4610.2	4955.3	5435.6	5678.0	6035.2	6175.3	6512.0
25°	4829.4	5321.8	5852.8	6352.2	6762.2	7380.3	7978.1	8355.0	8866.2	9266.9	9673.9
22.5°	6381.3	7034.6	7715.8	8462.8	9225.4	9979.5	10705.6	11402.0	12083.6	12836.4	13296.6
20°	7967.9	8706.4	9535.5	10547.8	11605.9	12515.3	13507.1	14599.0	15643.0	16614.7	17348.6
17.5°	9173.6	10316.3	11214.5	12309.7	13623.7	14904.8	16169.2	17609.2	18937.3	20176.2	21281.0
15°	10094.4	11292.2	12594.1	13916.0	15300.3	16825.6	18564.8	20140.5	21781.1	23238.2	24602.7
12.5°	10896.9	12113.0	13475.4	15017.2	16763.2	18400.9	20223.6	22194.1	23934.8	25646.4	26926.8
10°	11489.3	12840.1	14221.3	15771.5	17552.0	19464.0	21439.4	23431.3	25383.0	27035.3	28410.8
7.5°	11816.0	13250.7	14695.8	16314.6	18145.1	20025.8	21999.1	24078.8	26043.4	27745.0	29008.2
5°	12082.0	13540.5	14969.0	16594.2	18501.5	20369.6	22260.0	24245.0	26302.0	27980.3	29294.6
2.5°	12314.1	13737.2	15130.6	16713.0	18678.5	20555.0	22498.6	24556.2	26545.4	28164.5	29443.7
0°	12515.7	13859.0	15221.8	16790.2	18845.7	20744.9	22657.0	24670.4	26696.8	28273.9	29568.8
-2.5°	12369.9	13687.0	15029.8	16633.1	18593.3	20461.5	22384.5	24423.3	26342.7	27940.2	29195.5
-5°	11989.8	13258.6	14591.9	16191.3	18062.4	19892.4	21789.7	23753.6	25557.8	27154.9	28309.7
-7.5°	11434.0	12676.2	14004.3	15578.6	17319.7	18980.6	20676.3	22496.8	24292.6	25702.7	26802.6
-10°	10816.3	11998.5	13221.0	14605.6	16147.3	17698.6	19256.6	20948.9	22531.3	23855.3	24914.1
-12.5°	10082.9	11133.0	12258.7	13466.3	14881.7	16359.2	17844.9	19327.3	20786.7	21977.7	22936.9
-15°	9290.7	10219.4	11247.4	12415.5	13676.6	14980.4	16320.7	17736.2	19050.6	20160.0	21005.6
-17.5°	8509.3	9340.9	10385.7	11447.8	12466.9	13662.5	14995.4	16166.0	17365.4	18361.7	19108.8
-20°	7846.9	8741.5	9650.0	10557.4	11531.0	12693.3	13823.5	14927.2	15993.0	16900.2	17642.9



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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°	7415.0	8201.0	8976.3	9834.6	10824.3	11850.0	12872.9	13876.3	14841.0	15702.7	16409.2
-25°	7022.3	7687.5	8455.2	9326.7	10162.4	11062.1	12027.9	12866.5	13781.6	14562.0	15166.4
-27.5°	6679.1	7337.3	8090.7	8874.5	9630.4	10441.3	11321.0	12121.5	12944.9	13695.2	14222.7
-30°	6380.2	7062.0	7770.5	8487.6	9199.4	9949.7	10714.3	11488.0	12243.4	12923.8	13430.7
-32.5°	6125.4	6765.1	7429.5	8096.8	8745.9	9429.3	10138.5	10849.8	11549.8	12145.0	12641.4
-35°	5835.8	6448.2	7065.5	7664.8	8266.0	8877.3	9535.6	10201.4	10827.7	11371.2	11855.7
-37.5°	5512.6	6102.7	6666.1	7211.6	7768.9	8334.2	8943.9	9555.6	10130.8	10622.8	11084.7
-40°	5190.9	5728.6	6238.9	6748.1	7259.0	7788.3	8339.8	8887.5	9392.5	9857.8	10288.3
-42.5°	4856.7	5327.3	5791.8	6265.9	6737.2	7214.5	7707.1	8205.3	8655.2	9079.6	9461.2
-45°	4519.5	4923.4	5333.8	5768.0	6198.3	6626.9	7053.3	7473.8	7895.1	8290.6	8612.9
-47.5°	4160.9	4525.4	4898.0	5271.3	5656.9	6048.1	6420.9	6784.9	7157.0	7510.4	7776.7
-50°	3799.1	4136.5	4473.3	4802.2	5143.1	5487.2	5826.9	6147.2	6458.9	6759.5	6967.7
-52.5°	3434.6	3746.7	4055.3	4352.7	4648.5	4941.8	5229.6	5513.8	5787.0	6044.6	6209.6
-55°	3088.5	3366.9	3638.2	3898.0	4159.0	4416.6	4670.4	4919.0	5154.8	5376.3	5503.6
-57.5°	2763.0	3005.4	3243.0	3466.7	3685.1	3897.4	4121.7	4347.7	4559.9	4750.3	4852.9
-60°	2445.8	2664.1	2868.0	3055.0	3242.4	3428.8	3617.8	3804.4	3986.1	4144.2	4232.5
-62.5°	2133.8	2320.4	2493.9	2654.8	2809.6	2963.6	3127.5	3284.9	3434.6	3556.6	3631.5
-65°	1860.5	2018.6	2148.5	2276.6	2403.7	2539.1	2675.3	2805.2	2928.2	3023.8	3086.8
-67.5°	1594.8	1724.8	1833.0	1939.2	2045.6	2153.3	2262.9	2369.2	2471.3	2548.5	2603.3
-70°	1342.2	1440.5	1525.2	1611.7	1699.8	1787.8	1875.9	1960.7	2041.7	2100.6	2144.7
-72.5°	1097.8	1173.8	1239.7	1306.9	1373.2	1441.3	1509.5	1575.1	1637.6	1679.7	1710.7
-75°	858.0	913.1	966.0	1017.2	1066.6	1117.3	1167.6	1215.6	1261.0	1292.9	1318.4
-77.5°	645.9	685.1	719.6	753.4	786.3	821.5	855.9	888.4	918.8	941.0	959.7
-80°	452.5	477.8	499.8	520.5	539.9	561.7	583.1	603.3	622.1	635.1	645.4
-82.5°	280.9	295.7	308.9	321.1	332.2	343.6	354.2	363.8	372.4	382.6	392.0
-85°	145.7	151.8	157.4	162.6	167.4	172.1	176.3	180.1	183.4	185.2	186.5
-87.5°	56.6	58.1	59.4	60.6	61.6	63.1	64.5	65.8	67.0	68.1	69.1
-90°	3.2	3.0	2.7	2.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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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°	13.7	14.0	14.0	14.0	14.0	14.0	13.7	13.5	13.2	12.9	12.6
87.5°	7.3	6.5	5.9	5.4	5.9	6.5	7.3	8.0	8.7	9.4	8.1
85°	13.3	11.8	10.7	9.7	10.7	11.8	13.3	14.9	16.3	17.7	16.4
82.5°	14.5	14.0	14.0	14.0	14.0	14.0	14.5	15.1	15.7	16.5	17.3
80°	17.7	17.2	17.7	18.3	17.7	17.2	17.7	18.1	18.6	19.1	20.9
77.5°	18.8	18.3	18.3	18.3	18.3	18.3	18.8	19.4	19.9	20.7	23.7
75°	18.3	18.3	17.8	17.2	17.8	18.3	18.3	18.4	18.6	19.4	22.9
72.5°	15.6	15.2	15.1	15.1	15.1	15.2	15.6	16.0	16.4	17.3	20.0
70°	14.5	15.0	14.6	14.0	14.6	15.0	14.5	14.1	13.8	14.3	16.1
67.5°	12.0	11.9	11.8	11.8	11.8	11.9	12.0	12.1	12.1	12.4	13.2
65°	10.2	9.8	9.7	9.7	9.7	9.8	10.2	10.6	10.9	11.3	11.7
62.5°	9.1	8.7	8.6	8.6	8.6	8.7	9.1	9.5	9.9	10.4	11.0
60°	10.3	9.8	9.2	8.6	9.2	9.8	10.3	10.7	11.0	11.2	11.4
57.5°	11.1	10.8	10.8	10.8	10.8	10.8	11.1	11.4	11.8	12.2	12.6
55°	12.1	11.9	11.8	11.8	11.8	11.9	12.1	12.3	12.5	13.0	13.4
52.5°	14.6	14.1	13.6	12.9	13.6	14.1	14.6	14.9	15.1	15.5	15.4
50°	23.0	21.9	21.4	21.5	21.4	21.9	23.0	23.5	23.6	23.5	22.1
47.5°	42.6	42.5	42.3	42.0	42.3	42.5	42.6	41.7	41.9	41.5	38.2
45°	72.4	69.5	66.7	65.7	66.7	69.5	72.4	72.8	74.1	73.2	68.8
42.5°	127.2	126.6	124.3	121.7	124.3	126.6	127.2	124.8	128.5	125.1	117.5
40°	221.1	218.1	212.9	214.4	212.9	218.1	221.1	218.6	228.0	215.9	216.9
37.5°	460.4	438.3	404.8	405.1	404.8	438.3	460.4	475.0	482.6	394.1	468.8
35°	1077.6	1095.7	1074.3	1074.0	1074.3	1095.7	1077.6	1084.2	1086.1	1013.6	1068.6
32.5°	2062.2	2032.3	1910.8	1847.5	1910.8	2032.3	2062.2	2127.1	2077.0	2028.1	2040.0
30°	3885.0	3904.3	3722.3	3726.3	3722.3	3904.3	3885.0	3889.4	3645.9	3670.0	3524.6
27.5°	6647.8	6795.7	6756.9	6692.0	6756.9	6795.7	6647.8	6512.0	6175.3	6035.2	5678.0
25°	9940.9	10052.3	9977.7	9932.4	9977.7	10052.3	9940.9	9673.9	9266.9	8866.2	8355.0
22.5°	13743.5	13898.6	13859.6	13663.0	13859.6	13898.6	13743.5	13296.6	12836.4	12083.6	11402.0
20°	17953.0	18218.7	18373.0	18273.6	18373.0	18218.7	17953.0	17348.6	16614.7	15643.0	14599.0
17.5°	22065.7	22408.3	22671.0	22759.4	22671.0	22408.3	22065.7	21281.0	20176.2	18937.3	17609.2
15°	25523.9	26013.9	26359.0	26481.3	26359.0	26013.9	25523.9	24602.7	23238.2	21781.1	20140.5
12.5°	28005.7	28643.4	29048.1	29169.7	29048.1	28643.4	28005.7	26926.8	25646.4	23934.8	22194.1
10°	29370.4	30174.3	30634.9	30827.0	30634.9	30174.3	29370.4	28410.8	27035.3	25383.0	23431.3
7.5°	30132.9	30858.9	31294.2	31358.7	31294.2	30858.9	30132.9	29008.2	27745.0	26043.4	24078.8
5°	30380.4	31039.9	31399.2	31432.4	31399.2	31039.9	30380.4	29294.6	27980.3	26302.0	24245.0
2.5°	30488.8	31046.2	31311.1	31243.4	31311.1	31046.2	30488.8	29443.7	28164.5	26545.4	24556.2
0°	30433.3	30931.5	31212.7	31254.7	31212.7	30931.5	30433.3	29568.8	28273.9	26696.8	24670.4
-2.5°	29981.3	30352.4	30551.8	30423.6	30551.8	30352.4	29981.3	29195.5	27940.2	26342.7	24423.3
-5°	28950.9	29217.8	29301.2	29347.9	29301.2	29217.8	28950.9	28309.7	27154.9	25557.8	23753.6
-7.5°	27461.7	27679.5	27761.7	27704.1	27761.7	27679.5	27461.7	26802.6	25702.7	24292.6	22496.8
-10°	25498.7	25698.3	25768.1	25728.3	25768.1	25698.3	25498.7	24914.1	23855.3	22531.3	20948.9
-12.5°	23511.6	23748.2	23802.5	23805.9	23802.5	23748.2	23511.6	22936.9	21977.7	20786.7	19327.3
-15°	21558.3	21828.8	21911.5	21983.7	21911.5	21828.8	21558.3	21005.6	20160.0	19050.6	17736.2
-17.5°	19639.0	19907.7	19977.4	19883.1	19977.4	19907.7	19639.0	19108.8	18361.7	17365.4	16166.0
-20°	18061.3	18200.6	18349.2	18348.0	18349.2	18200.6	18061.3	17642.9	16900.2	15993.0	14927.2



REPORT NUMBER: P701359 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	16758.2	16988.5	17115.0	17205.0	17115.0	16988.5	16758.2	16409.2	15702.7	14841.0	13876.3
-25°	15536.1	15731.7	15810.3	15870.3	15810.3	15731.7	15536.1	15166.4	14562.0	13781.6	12866.5
-27.5°	14594.7	14793.2	14905.4	14971.8	14905.4	14793.2	14594.7	14222.7	13695.2	12944.9	12121.5
-30°	13843.9	14038.9	14172.6	14256.5	14172.6	14038.9	13843.9	13430.7	12923.8	12243.4	11488.0
-32.5°	13034.8	13238.8	13378.2	13464.7	13378.2	13238.8	13034.8	12641.4	12145.0	11549.8	10849.8
-35°	12194.1	12398.1	12548.5	12619.1	12548.5	12398.1	12194.1	11855.7	11371.2	10827.7	10201.4
-37.5°	11377.3	11567.8	11700.7	11753.0	11700.7	11567.8	11377.3	11084.7	10622.8	10130.8	9555.6
-40°	10525.9	10705.6	10829.1	10877.1	10829.1	10705.6	10525.9	10288.3	9857.8	9392.5	8887.5
-42.5°	9667.5	9835.1	9949.1	9997.0	9949.1	9835.1	9667.5	9461.2	9079.6	8655.2	8205.3
-45°	8797.8	8946.9	9043.4	9080.3	9043.4	8946.9	8797.8	8612.9	8290.6	7895.1	7473.8
-47.5°	7941.8	8076.2	8159.2	8186.1	8159.2	8076.2	7941.8	7776.7	7510.4	7157.0	6784.9
-50°	7106.3	7216.4	7292.3	7335.1	7292.3	7216.4	7106.3	6967.7	6759.5	6458.9	6147.2
-52.5°	6333.4	6433.4	6493.0	6516.4	6493.0	6433.4	6333.4	6209.6	6044.6	5787.0	5513.8
-55°	5609.0	5695.5	5746.2	5766.6	5746.2	5695.5	5609.0	5503.6	5376.3	5154.8	4919.0
-57.5°	4940.1	5011.0	5058.8	5085.8	5058.8	5011.0	4940.1	4852.9	4750.3	4559.9	4347.7
-60°	4305.8	4364.0	4404.1	4427.6	4404.1	4364.0	4305.8	4232.5	4144.2	3986.1	3804.4
-62.5°	3693.7	3743.0	3775.5	3794.1	3775.5	3743.0	3693.7	3631.5	3556.6	3434.6	3284.9
-65°	3140.1	3183.4	3204.3	3212.4	3204.3	3183.4	3140.1	3086.8	3023.8	2928.2	2805.2
-67.5°	2650.4	2689.4	2703.5	2706.1	2703.5	2689.4	2650.4	2603.3	2548.5	2471.3	2369.2
-70°	2182.9	2214.6	2225.4	2226.7	2225.4	2214.6	2182.9	2144.7	2100.6	2041.7	1960.7
-72.5°	1736.2	1756.2	1771.7	1781.8	1771.7	1756.2	1736.2	1710.7	1679.7	1637.6	1575.1
-75°	1339.7	1356.9	1364.3	1367.0	1364.3	1356.9	1339.7	1318.4	1292.9	1261.0	1215.6
-77.5°	975.7	988.7	991.7	991.1	991.7	988.7	975.7	959.7	941.0	918.8	888.4
-80°	653.6	659.7	663.6	665.7	663.6	659.7	653.6	645.4	635.1	622.1	603.3
-82.5°	400.4	407.8	400.2	391.0	400.2	407.8	400.4	392.0	382.6	372.4	363.8
-85°	187.3	187.6	188.3	188.5	188.3	187.6	187.3	186.5	185.2	183.4	180.1
-87.5°	70.1	70.9	70.5	70.0	70.5	70.9	70.1	69.1	68.1	67.0	65.8
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	12.4	12.1	11.8	11.6	11.3	11.1	10.8	10.3	9.7	9.2	8.6
87.5°	6.7	5.4	4.1	4.6	5.0	5.5	5.9	5.6	5.3	5.0	4.8
85°	15.0	13.6	12.2	12.2	12.1	12.1	12.0	11.7	11.4	10.9	10.3
82.5°	18.0	18.5	18.8	20.3	21.4	22.2	22.5	22.4	22.0	21.2	19.9
80°	22.6	24.1	25.7	28.8	31.6	33.9	35.7	36.5	37.0	36.9	35.7
77.5°	26.5	29.1	31.9	36.5	40.8	44.7	48.1	50.0	50.9	51.4	49.9
75°	26.4	29.9	34.4	40.8	46.8	52.5	56.8	59.7	62.1	63.9	62.3
72.5°	22.9	26.2	31.6	39.7	48.1	55.4	61.2	66.1	70.5	74.2	71.6
70°	18.2	20.5	25.4	32.6	40.4	48.7	57.6	66.5	75.2	80.9	76.8
67.5°	14.3	15.7	19.6	25.4	32.1	39.7	48.7	58.9	68.8	78.0	76.2
65°	12.2	12.6	15.0	19.2	24.3	30.5	38.0	47.0	57.5	68.0	68.4
62.5°	11.4	11.8	13.3	15.5	18.4	22.3	28.1	35.9	44.9	52.2	54.8
60°	11.6	12.0	13.0	14.1	15.4	17.4	21.8	27.2	33.3	39.4	42.6
57.5°	12.8	13.1	13.5	14.1	14.9	16.7	19.0	21.5	26.6	30.1	32.8
55°	13.8	14.2	14.5	14.8	15.2	16.8	18.5	20.6	22.9	24.0	27.4
52.5°	15.0	15.9	16.3	16.1	16.6	17.8	18.6	20.4	22.2	23.6	24.4
50°	21.2	22.3	21.5	19.7	21.5	21.2	21.0	21.4	23.6	24.8	24.8
47.5°	38.0	38.2	34.6	32.3	34.3	31.7	29.7	28.0	31.4	28.3	27.9
45°	71.5	69.9	61.5	62.4	60.1	56.0	47.4	52.0	48.0	43.1	33.1
42.5°	125.2	122.7	114.0	118.9	110.5	99.7	95.0	99.9	83.6	68.0	71.6
40°	227.3	198.4	215.1	222.7	200.8	169.2	212.7	182.8	155.7	112.0	147.4
37.5°	474.5	386.8	465.4	467.7	405.2	372.8	420.0	378.6	264.4	279.6	284.5
35°	1018.3	969.7	952.1	918.3	801.5	840.4	753.2	666.3	572.2	541.1	489.7
32.5°	1844.1	1895.8	1773.7	1623.8	1609.6	1529.6	1348.6	1086.3	1087.4	980.3	801.0
30°	3278.7	3209.3	2990.5	2741.8	2736.7	2532.5	2129.1	1953.7	1791.7	1548.7	1207.0
27.5°	5435.6	4955.3	4610.2	4416.5	4129.5	3793.2	3396.9	2986.9	2640.9	2270.5	1810.7
25°	7978.1	7380.3	6762.2	6352.2	5852.8	5321.8	4829.4	4254.4	3675.6	3094.7	2512.1
22.5°	10705.6	9979.5	9225.4	8462.8	7715.8	7034.6	6381.3	5618.8	4736.2	3920.7	3246.9
20°	13507.1	12515.3	11605.9	10547.8	9535.5	8706.4	7967.9	6917.8	5739.5	4748.3	3962.4
17.5°	16169.2	14904.8	13623.7	12309.7	11214.5	10316.3	9173.6	7945.7	6676.5	5526.6	4645.9
15°	18564.8	16825.6	15300.3	13916.0	12594.1	11292.2	10094.4	8880.0	7552.3	6308.8	5270.2
12.5°	20223.6	18400.9	16763.2	15017.2	13475.4	12113.0	10896.9	9679.3	8285.5	6826.9	5618.6
10°	21439.4	19464.0	17552.0	15771.5	14221.3	12840.1	11489.3	10105.3	8598.8	7137.4	5908.1
7.5°	21999.1	20025.8	18145.1	16314.6	14695.8	13250.7	11816.0	10375.4	8822.8	7352.5	6140.6
5°	22260.0	20369.6	18501.5	16594.2	14969.0	13540.5	12082.0	10580.5	8959.2	7482.0	6318.8
2.5°	22498.6	20555.0	18678.5	16713.0	15130.6	13737.2	12314.1	10787.6	9128.8	7616.9	6432.9
0°	22657.0	20744.9	18845.7	16790.2	15221.8	13859.0	12515.7	10971.9	9276.3	7711.1	6501.3
-2.5°	22384.5	20461.5	18593.3	16633.1	15029.8	13687.0	12369.9	10895.5	9247.7	7711.0	6504.1
-5°	21789.7	19892.4	18062.4	16191.3	14591.9	13258.6	11989.8	10612.4	9080.0	7627.0	6465.0
-7.5°	20676.3	18980.6	17319.7	15578.6	14004.3	12676.2	11434.0	10124.1	8711.2	7349.6	6234.7
-10°	19256.6	17698.6	16147.3	14605.6	13221.0	11998.5	10816.3	9590.8	8283.6	7017.4	5967.2
-12.5°	17844.9	16359.2	14881.7	13466.3	12258.7	11133.0	10082.9	9004.7	7805.3	6632.0	5666.5
-15°	16320.7	14980.4	13676.6	12415.5	11247.4	10219.4	9290.7	8328.2	7264.1	6214.6	5335.6
-17.5°	14995.4	13662.5	12466.9	11447.8	10385.7	9340.9	8509.3	7666.2	6758.7	5852.3	5052.0
-20°	13823.5	12693.3	11531.0	10557.4	9650.0	8741.5	7846.9	7045.9	6289.8	5523.4	4807.0



REPORT NUMBER: P701359 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12872.9	11850.0	10824.3	9834.6	8976.3	8201.0	7415.0	6618.7	5851.9	5186.5	4570.0
-25°	12027.9	11062.1	10162.4	9326.7	8455.2	7687.5	7022.3	6316.8	5585.5	4888.5	4351.1
-27.5°	11321.0	10441.3	9630.4	8874.5	8090.7	7337.3	6679.1	6026.4	5347.6	4721.5	4169.8
-30°	10714.3	9949.7	9199.4	8487.6	7770.5	7062.0	6380.2	5760.8	5131.2	4540.9	4018.8
-32.5°	10138.5	9429.3	8745.9	8096.8	7429.5	6765.1	6125.4	5492.3	4886.6	4357.6	3873.3
-35°	9535.6	8877.3	8266.0	7664.8	7065.5	6448.2	5835.8	5215.5	4650.8	4154.6	3705.0
-37.5°	8943.9	8334.2	7768.9	7211.6	6666.1	6102.7	5512.6	4947.3	4413.2	3940.3	3514.7
-40°	8339.8	7788.3	7259.0	6748.1	6238.9	5728.6	5190.9	4665.9	4176.5	3705.0	3305.3
-42.5°	7707.1	7214.5	6737.2	6265.9	5791.8	5327.3	4856.7	4382.6	3923.1	3484.4	3083.4
-45°	7053.3	6626.9	6198.3	5768.0	5333.8	4923.4	4519.5	4085.5	3658.7	3250.5	2854.5
-47.5°	6420.9	6048.1	5656.9	5271.3	4898.0	4525.4	4160.9	3775.6	3384.1	3001.9	2650.1
-50°	5826.9	5487.2	5143.1	4802.2	4473.3	4136.5	3799.1	3460.1	3099.9	2758.4	2437.3
-52.5°	5229.6	4941.8	4648.5	4352.7	4055.3	3746.7	3434.6	3132.7	2814.8	2515.6	2231.4
-55°	4670.4	4416.6	4159.0	3898.0	3638.2	3366.9	3088.5	2814.0	2546.7	2275.4	2031.1
-57.5°	4121.7	3897.4	3685.1	3466.7	3243.0	3005.4	2763.0	2517.8	2281.9	2050.1	1829.3
-60°	3617.8	3428.8	3242.4	3055.0	2868.0	2664.1	2445.8	2230.7	2019.8	1827.1	1639.7
-62.5°	3127.5	2963.6	2809.6	2654.8	2493.9	2320.4	2133.8	1959.0	1783.0	1609.9	1458.1
-65°	2675.3	2539.1	2403.7	2276.6	2148.5	2018.6	1860.5	1705.8	1557.7	1415.1	1282.3
-67.5°	2262.9	2153.3	2045.6	1939.2	1833.0	1724.8	1594.8	1463.5	1341.9	1226.3	1113.4
-70°	1875.9	1787.8	1699.8	1611.7	1525.2	1440.5	1342.2	1238.6	1137.5	1039.3	940.9
-72.5°	1509.5	1441.3	1373.2	1306.9	1239.7	1173.8	1097.8	1013.0	929.0	846.2	766.3
-75°	1167.6	1117.3	1066.6	1017.2	966.0	913.1	858.0	794.8	731.2	667.4	604.1
-77.5°	855.9	821.5	786.3	753.4	719.6	685.1	645.9	595.6	547.9	500.9	455.1
-80°	583.1	561.7	539.9	520.5	499.8	477.8	452.5	416.7	381.1	348.2	318.3
-82.5°	354.2	343.6	332.2	321.1	308.9	295.7	280.9	260.0	239.4	219.3	199.6
-85°	176.3	172.1	167.4	162.6	157.4	151.8	145.7	136.8	127.6	118.2	108.4
-87.5°	64.5	63.1	61.6	60.6	59.4	58.1	56.6	53.4	50.1	46.9	43.7
-90°	2.2	2.2	2.2	2.5	2.7	3.0	3.2	3.2	3.2	3.2	3.2



REPORT NUMBER: P701359 (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°
90°	8.3	8.1	7.8	7.5	7.5	7.5	7.5	7.5	7.3	7.0	6.8
87.5°	5.6	6.4	7.0	7.6	7.1	6.7	6.3	6.0	6.2	6.3	6.5
85°	10.5	10.9	11.4	11.9	11.2	10.2	9.4	8.7	8.9	8.9	8.9
82.5°	18.0	17.1	16.6	16.3	16.1	15.6	14.7	13.4	12.1	11.5	11.3
80°	32.0	28.6	25.6	23.0	21.6	21.1	20.5	19.1	16.2	14.2	13.1
77.5°	44.9	40.2	35.9	31.7	27.9	25.4	24.1	23.5	20.1	16.7	14.5
75°	56.5	50.4	44.7	39.1	33.7	29.3	26.2	24.2	21.5	18.9	15.8
72.5°	64.4	57.9	52.0	45.8	38.8	32.9	28.2	24.8	22.1	19.4	16.8
70°	69.9	63.5	56.8	49.8	42.8	36.1	30.2	26.1	22.7	19.9	17.2
67.5°	73.2	66.0	59.4	53.1	45.9	38.7	31.9	27.5	24.0	20.4	17.5
65°	65.9	63.5	60.8	54.1	47.7	41.1	33.9	29.1	25.2	21.4	17.9
62.5°	56.4	56.4	54.8	53.1	48.1	41.8	35.9	31.0	26.4	22.4	18.6
60°	44.6	46.6	48.2	47.8	46.1	41.8	36.6	32.7	27.8	23.4	19.4
57.5°	36.0	37.4	40.5	42.3	41.8	39.9	37.1	33.6	29.1	24.4	20.3
55°	29.5	32.0	34.5	36.7	37.7	36.5	36.9	34.1	30.2	25.4	21.2
52.5°	26.1	28.6	31.1	32.6	33.8	34.3	35.9	34.6	30.7	26.2	22.3
50°	25.1	27.7	29.6	30.8	30.9	33.5	35.6	34.8	31.3	26.9	23.5
47.5°	28.9	31.1	30.4	30.3	30.2	33.5	36.0	35.4	31.9	27.4	24.8
45°	43.0	39.4	35.3	32.3	32.5	35.9	37.2	36.5	33.0	28.9	26.1
42.5°	68.1	61.2	46.8	35.3	41.5	39.8	39.1	38.3	34.5	30.8	27.7
40°	137.8	96.4	66.6	61.7	57.0	45.0	43.5	40.7	36.5	33.0	29.4
37.5°	234.9	170.1	107.9	110.2	84.9	64.0	48.8	43.7	40.0	36.0	31.3
35°	403.3	283.9	225.0	200.3	143.9	87.4	54.9	47.9	44.3	39.0	33.3
32.5°	611.6	498.8	440.4	337.3	217.6	115.2	71.9	55.9	49.1	42.3	35.5
30°	963.5	870.3	705.9	505.5	321.6	183.6	101.6	65.0	54.4	45.6	37.8
27.5°	1494.3	1308.3	1029.2	748.5	482.0	266.7	145.4	75.3	60.2	49.4	40.5
25°	2072.3	1804.8	1450.3	1037.5	662.8	398.7	199.1	87.6	67.9	54.0	43.2
22.5°	2710.8	2317.9	1915.0	1353.3	863.3	552.1	284.5	128.6	76.8	58.8	46.0
20°	3322.6	2840.1	2379.7	1601.3	1077.4	730.4	403.6	174.5	86.2	63.7	48.7
17.5°	3916.8	3269.0	2630.8	1871.4	1287.4	898.9	532.2	224.2	95.8	68.7	51.4
15°	4321.9	3555.4	2866.0	2112.6	1475.0	1057.2	667.5	276.5	105.6	73.7	55.4
12.5°	4632.4	3814.9	3090.5	2325.0	1641.2	1205.5	806.3	330.1	115.4	81.4	61.3
10°	4899.0	4046.9	3301.0	2509.1	1787.3	1343.7	945.0	380.6	130.5	91.3	67.2
7.5°	5122.8	4251.0	3494.2	2665.4	1906.7	1434.9	1030.0	421.6	146.2	101.3	73.0
5°	5297.4	4402.2	3646.9	2771.9	1968.8	1475.9	1094.3	457.5	161.4	111.0	78.7
2.5°	5401.5	4484.4	3762.3	2851.1	2018.3	1506.1	1144.3	487.7	175.9	120.4	84.2
0°	5469.3	4537.4	3849.1	2905.4	2054.3	1526.5	1179.6	511.7	189.6	129.3	89.4
-2.5°	5495.1	4545.3	3861.6	2974.7	2127.5	1589.6	1213.9	578.5	253.6	173.2	117.5
-5°	5480.8	4529.1	3848.8	3018.3	2185.3	1642.1	1235.4	638.7	315.6	215.7	144.9
-7.5°	5309.5	4433.5	3782.3	3024.8	2227.0	1682.3	1246.6	692.4	374.6	256.4	171.2
-10°	5080.8	4279.9	3644.2	2933.8	2222.6	1706.5	1252.5	739.6	429.8	294.5	196.0
-12.5°	4827.1	4106.3	3494.3	2834.4	2202.4	1719.6	1269.0	783.6	480.3	329.4	218.8
-15°	4552.5	3914.0	3336.7	2731.8	2174.5	1726.3	1277.9	821.2	525.9	362.5	239.3
-17.5°	4282.3	3704.3	3175.3	2630.8	2140.3	1727.5	1280.5	850.3	566.2	394.4	261.3
-20°	4135.5	3552.0	3016.6	2535.7	2101.7	1724.3	1277.7	870.6	600.8	422.6	283.8



REPORT NUMBER: P701359 (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°	3989.0	3452.2	2940.4	2468.2	2069.1	1717.6	1270.6	881.8	629.1	446.7	303.3
-25°	3834.9	3347.3	2866.6	2420.4	2047.4	1692.9	1267.1	883.7	650.9	466.4	319.7
-27.5°	3698.6	3241.2	2781.2	2354.2	2004.6	1666.8	1261.5	904.7	668.0	481.6	332.8
-30°	3570.9	3134.1	2690.9	2276.6	1946.4	1603.8	1244.9	917.9	683.3	494.6	342.4
-32.5°	3439.0	3016.7	2582.2	2200.8	1869.2	1532.4	1198.0	921.9	692.4	504.3	350.5
-35°	3285.2	2874.3	2455.2	2106.9	1782.5	1458.6	1145.6	916.5	695.1	509.1	355.7
-37.5°	3110.6	2707.6	2335.3	2001.0	1689.7	1379.3	1107.5	889.4	691.5	508.9	357.1
-40°	2917.5	2541.1	2197.8	1893.5	1595.6	1294.9	1062.0	860.9	685.0	503.7	354.7
-42.5°	2714.4	2378.5	2066.5	1779.5	1498.0	1236.1	1011.2	826.9	661.7	495.7	348.4
-45°	2524.6	2213.0	1930.4	1663.8	1400.3	1170.1	967.3	788.5	632.3	483.8	339.7
-47.5°	2328.8	2053.2	1792.7	1541.4	1317.6	1101.1	917.4	750.4	598.9	466.6	329.7
-50°	2144.1	1892.5	1654.0	1431.3	1223.2	1038.5	863.5	707.4	565.4	437.7	316.4
-52.5°	1970.3	1737.2	1522.9	1320.7	1139.5	969.4	809.2	660.3	528.1	409.6	299.9
-55°	1797.7	1589.3	1394.8	1218.5	1054.1	899.4	749.7	612.9	487.2	380.1	280.7
-57.5°	1631.6	1442.7	1277.4	1118.8	966.7	824.0	688.6	561.4	447.5	347.9	262.1
-60°	1464.5	1311.6	1162.6	1015.3	875.3	746.1	624.8	508.0	405.7	314.1	238.8
-62.5°	1313.2	1176.1	1041.2	906.4	782.3	666.8	557.9	455.1	360.9	282.6	212.8
-65°	1158.2	1035.2	914.1	798.6	688.2	585.3	491.6	398.8	319.4	249.1	187.3
-67.5°	1001.2	893.9	791.0	688.5	594.8	506.3	421.7	346.2	277.2	213.9	165.3
-70°	844.5	751.7	667.5	584.8	503.0	425.9	358.7	294.2	233.0	185.3	142.1
-72.5°	691.2	618.7	549.4	479.9	414.6	352.9	295.2	242.4	197.1	155.6	118.1
-75°	543.0	488.7	436.5	383.5	329.0	278.5	237.5	198.6	160.2	125.0	97.1
-77.5°	411.3	368.4	326.5	289.5	252.0	216.9	184.3	153.5	124.0	99.0	76.9
-80°	289.8	261.9	234.7	208.0	180.0	154.1	133.4	113.4	92.1	73.0	56.2
-82.5°	180.2	164.4	149.6	134.6	118.5	103.1	88.4	74.4	59.6	46.5	38.6
-85°	98.9	89.4	79.9	70.4	60.8	51.7	47.3	43.0	37.7	32.7	28.1
-87.5°	41.3	38.9	36.5	34.1	31.8	29.6	27.4	25.3	22.5	19.9	17.4
-90°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.5	3.8	4.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.5	6.2	6.0	5.7	5.4	4.9	4.3
87.5°	6.5	6.2	6.0	5.8	5.8	5.0	4.3
85°	8.7	7.8	7.1	6.5	6.1	5.2	4.3
82.5°	10.9	9.4	8.2	7.2	6.5	5.3	4.3
80°	12.9	11.0	9.3	7.9	6.9	5.5	4.3
77.5°	13.4	12.1	10.3	8.6	7.2	5.6	4.3
75°	13.8	12.3	11.2	9.2	7.6	5.8	4.3
72.5°	14.2	12.5	11.2	9.9	7.9	5.9	4.3
70°	14.6	12.7	11.2	10.3	8.2	6.1	4.3
67.5°	15.0	12.8	11.2	10.3	8.5	6.2	4.3
65°	15.4	13.0	11.2	10.1	8.8	6.4	4.3
62.5°	15.9	13.5	11.1	10.0	9.1	6.5	4.3
60°	16.3	13.9	11.0	9.9	9.4	6.6	4.3
57.5°	17.1	14.3	11.3	9.7	9.3	6.7	4.3
55°	18.0	14.7	11.7	9.6	9.2	6.8	4.3
52.5°	18.8	15.2	12.1	9.4	9.2	6.9	4.3
50°	19.6	15.9	12.4	9.2	9.1	7.0	4.3
47.5°	20.5	16.5	12.8	9.1	9.0	7.1	4.3
45°	21.7	17.2	13.1	9.3	9.0	7.2	4.3
42.5°	23.0	17.8	13.4	9.5	9.0	7.3	4.3
40°	24.3	18.4	13.8	9.9	9.0	7.4	4.3
37.5°	25.6	18.9	14.3	10.5	9.0	7.4	4.3
35°	27.0	19.8	14.7	11.0	9.0	7.5	4.3
32.5°	28.5	20.9	15.1	11.5	9.0	7.5	4.3
30°	30.2	21.9	15.4	12.1	9.0	7.6	4.3
27.5°	31.9	23.0	16.5	12.6	9.0	7.6	4.3
25°	33.6	24.0	17.7	13.2	9.1	7.6	4.3
22.5°	35.3	25.5	19.1	13.8	9.1	7.7	4.3
20°	37.0	28.2	20.4	14.4	9.2	7.7	4.3
17.5°	40.2	31.0	21.8	14.9	9.3	7.7	4.3
15°	44.2	33.8	23.2	15.5	9.3	7.7	4.3
12.5°	48.3	36.6	24.6	16.0	9.4	7.7	4.3
10°	52.2	39.4	26.0	16.5	9.5	7.6	4.3
7.5°	56.1	42.1	27.4	17.0	9.5	7.6	4.3
5°	59.8	44.7	28.8	17.5	9.6	7.6	4.3
2.5°	63.4	47.2	30.0	17.9	9.6	7.5	4.3
0°	66.8	49.6	31.2	18.3	9.7	7.5	4.3
-2.5°	83.5	59.3	36.3	20.5	10.4	7.6	4.3
-5°	99.9	68.7	41.2	22.7	11.2	7.8	4.3
-7.5°	115.6	77.6	45.9	24.8	11.9	7.9	4.3
-10°	130.5	86.1	50.3	26.7	12.6	8.0	4.3
-12.5°	144.3	93.9	54.4	28.5	13.2	8.1	4.3
-15°	156.9	101.0	58.1	30.2	13.8	8.2	4.3
-17.5°	168.1	107.2	61.4	31.6	14.4	8.3	4.3
-20°	180.4	112.6	64.2	32.9	14.9	8.4	4.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	195.1	116.9	66.5	33.9	15.3	8.4	4.3
-25°	207.6	123.5	68.3	34.7	15.7	8.5	4.3
-27.5°	217.7	130.1	69.4	35.3	16.0	8.5	4.3
-30°	225.4	135.3	70.3	35.6	16.3	8.5	4.3
-32.5°	230.6	138.9	72.9	35.6	16.5	8.5	4.3
-35°	234.3	140.9	74.6	35.3	16.6	8.5	4.3
-37.5°	236.0	141.9	75.4	34.7	16.6	8.5	4.3
-40°	235.3	142.4	75.2	33.8	16.5	8.4	4.3
-42.5°	232.1	141.4	74.9	33.1	16.4	8.4	4.3
-45°	226.5	138.8	74.4	32.6	16.1	8.3	4.3
-47.5°	218.5	134.7	73.1	31.8	15.8	8.2	4.3
-50°	210.5	129.0	71.0	31.5	15.4	8.1	4.3
-52.5°	200.7	121.8	68.2	31.2	15.0	8.0	4.3
-55°	188.8	115.8	64.6	30.5	14.4	7.9	4.3
-57.5°	174.8	109.1	60.2	29.5	13.8	7.7	4.3
-60°	159.5	101.2	55.2	28.2	13.1	7.5	4.3
-62.5°	146.7	92.3	51.8	26.5	12.6	7.4	4.3
-65°	132.5	82.4	47.8	24.6	12.1	7.2	4.3
-67.5°	117.0	73.3	43.3	22.3	11.6	7.0	4.3
-70°	100.2	65.0	38.3	19.9	11.0	6.8	4.3
-72.5°	86.2	56.0	33.0	18.2	10.4	6.6	4.3
-75°	71.9	46.4	27.2	16.6	9.7	6.3	4.3
-77.5°	56.9	36.4	23.5	15.0	9.0	6.1	4.3
-80°	41.3	29.2	20.2	13.2	8.3	5.9	4.3
-82.5°	32.1	23.7	16.7	11.4	7.6	5.6	4.3
-85°	23.7	17.9	13.2	9.5	6.9	5.4	4.3
-87.5°	15.1	12.1	9.6	7.6	6.1	5.1	4.3
-90°	4.3	4.6	4.9	5.1	5.4	4.9	4.3

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

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

Scaled Data Report

