

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: P701455 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-80-7F-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701455 (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-57-80-7F-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

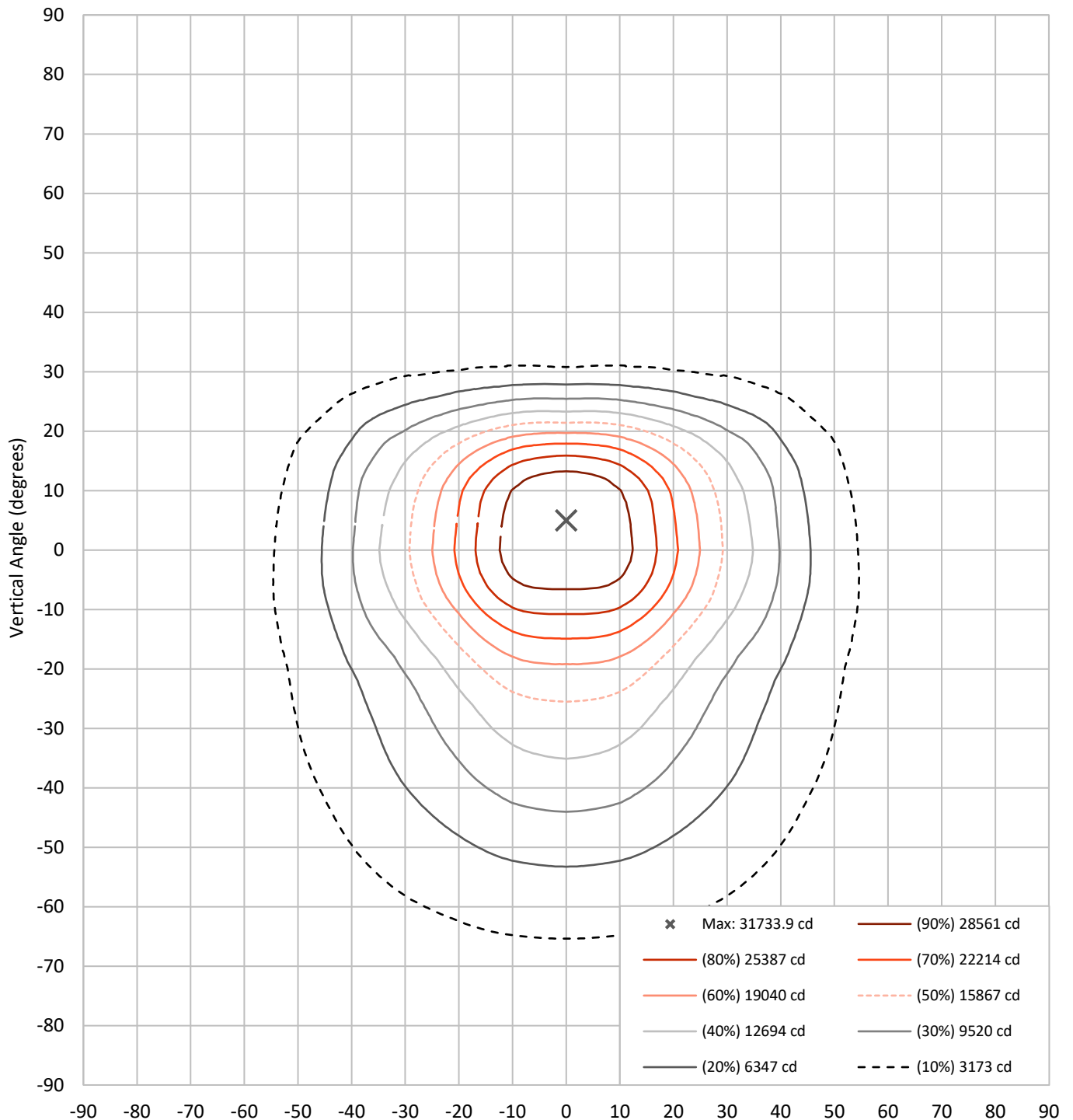
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	31093.8 lumens	Max Intensity:	31733.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	90.3 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:	14955.5 lumens	Field Lumens:	28824.9 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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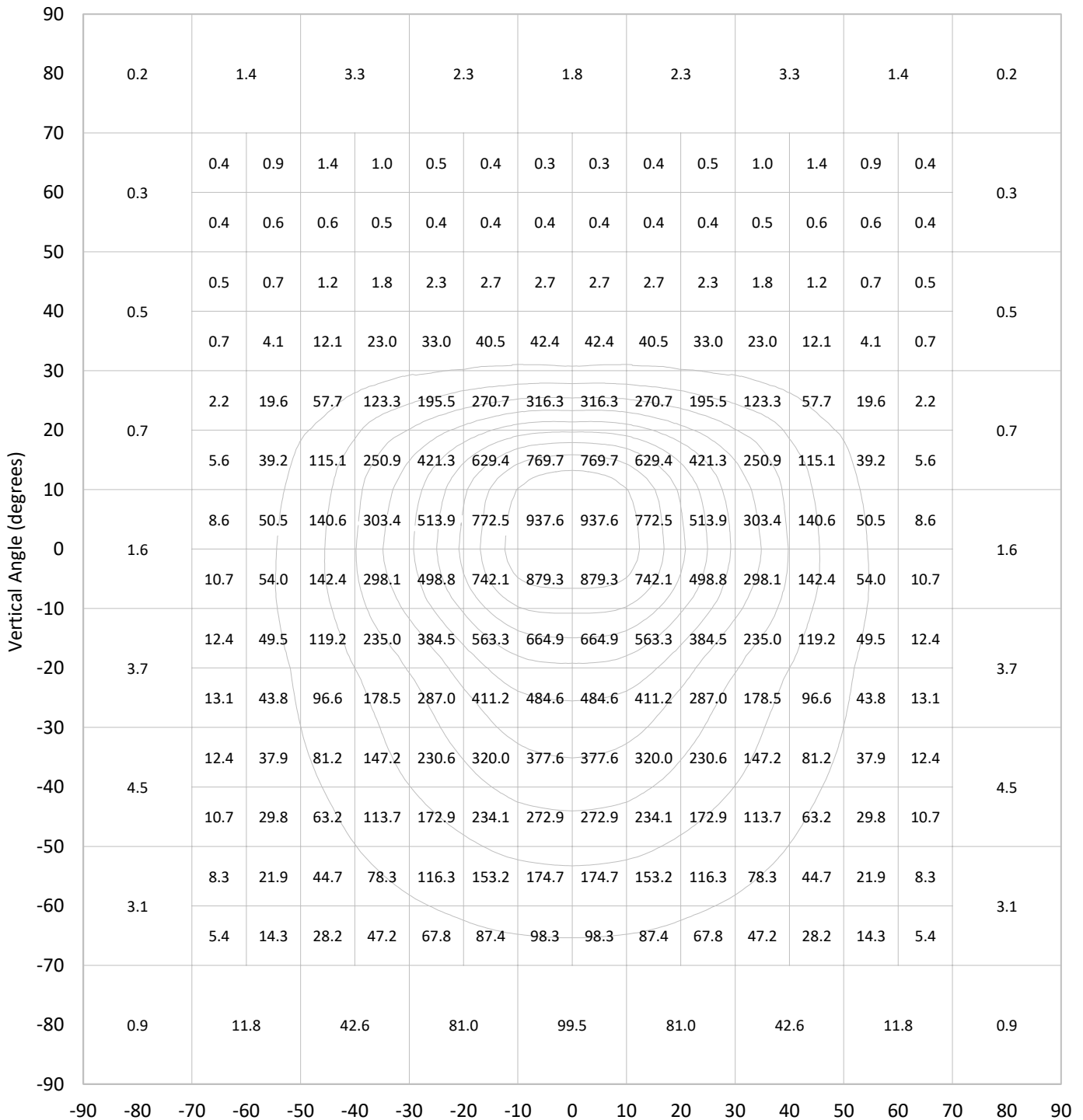
Iso-Candela Plot





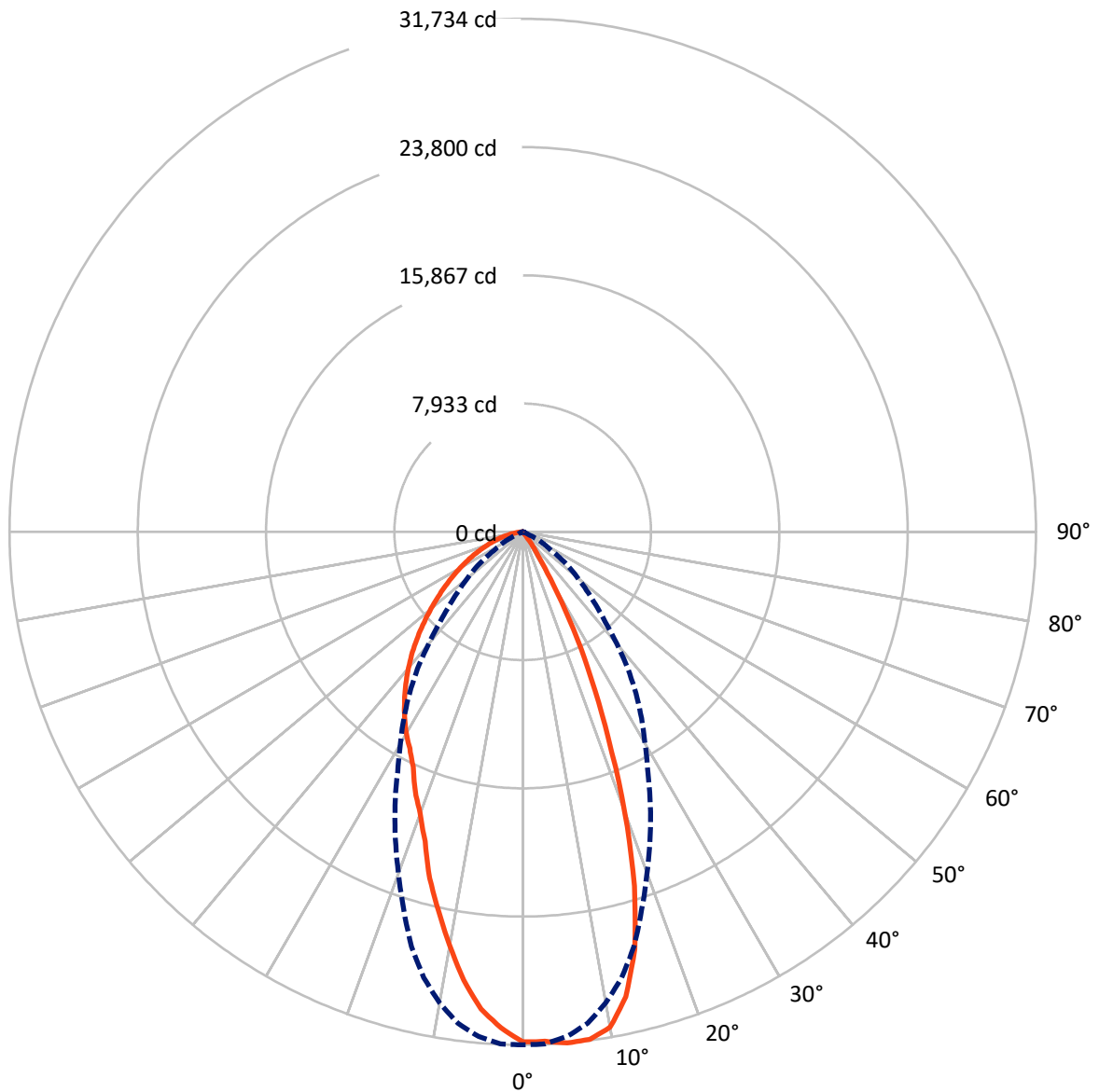
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Lumen Table



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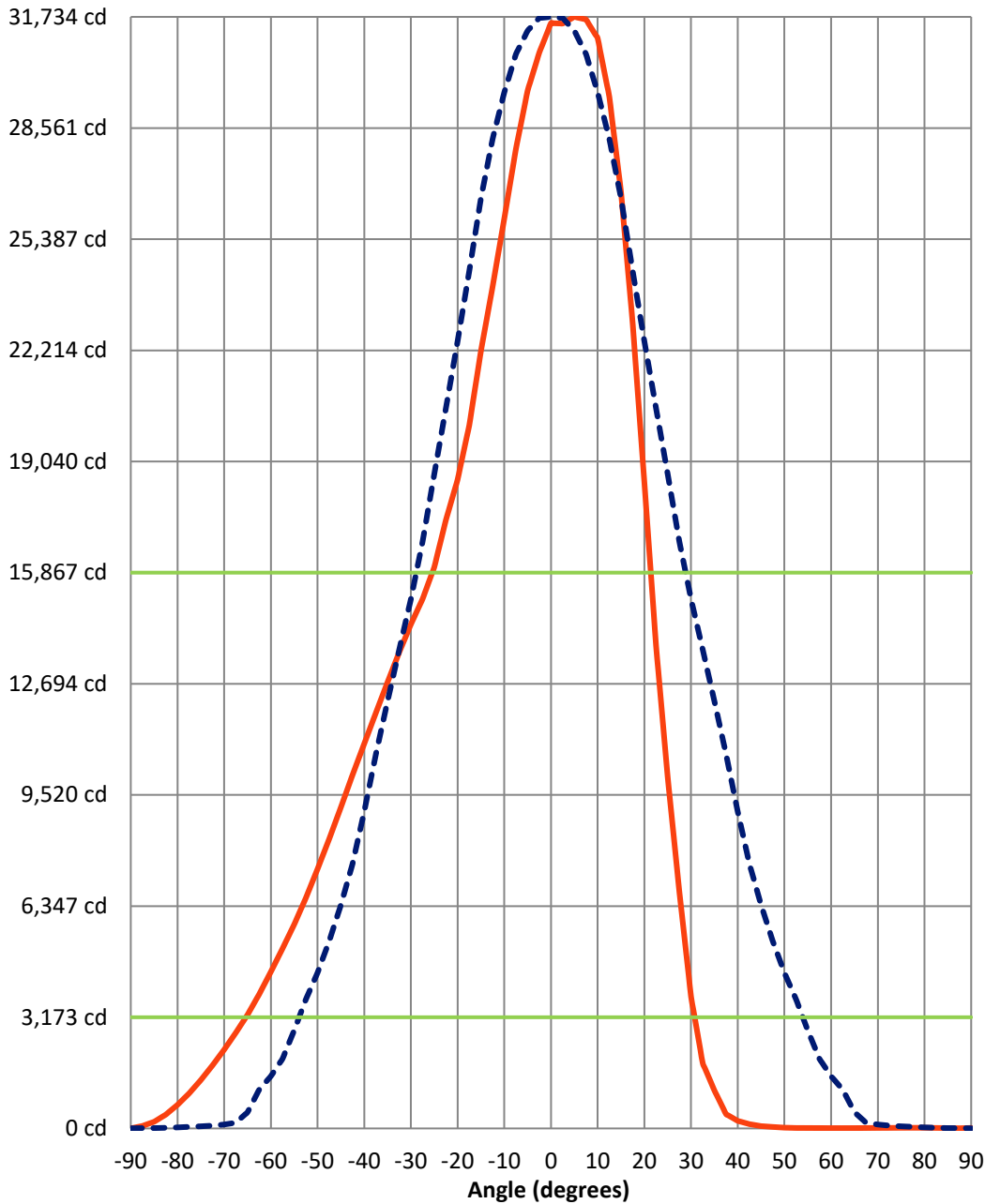
Luminous Intensity Polar Plot



— 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: 14955.5
 Efficiency: 48.1%

Field:
 H Angle: 107.9°
 V Angle: 96.1°
 Lumens: 28824.9
 Efficiency: 92.7%

Spill:
 Lumens: 2268.9
 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°	4.4	4.9	5.4	5.7	6.0	6.2	6.5	6.8	7.1	7.3	7.6
87.5°	4.4	5.1	5.8	5.9	6.0	6.3	6.7	6.6	6.5	6.3	6.1
85°	4.4	5.2	6.2	6.6	7.2	7.9	8.9	9.0	9.1	9.0	8.8
82.5°	4.4	5.4	6.5	7.3	8.3	9.6	11.1	11.5	11.7	12.3	13.5
80°	4.4	5.6	6.9	8.0	9.4	11.2	13.1	13.3	14.4	16.4	19.3
77.5°	4.4	5.7	7.3	8.7	10.5	12.3	13.6	14.7	16.9	20.3	23.7
75°	4.4	5.9	7.6	9.3	11.4	12.5	14.0	15.9	19.1	21.7	24.4
72.5°	4.4	6.0	8.0	10.0	11.4	12.6	14.4	16.9	19.6	22.3	25.0
70°	4.4	6.2	8.3	10.5	11.4	12.8	14.7	17.3	20.1	22.9	26.4
67.5°	4.4	6.3	8.6	10.4	11.3	12.9	15.2	17.7	20.6	24.2	27.8
65°	4.4	6.4	8.9	10.3	11.3	13.1	15.6	18.0	21.7	25.4	29.4
62.5°	4.4	6.6	9.2	10.1	11.2	13.6	16.0	18.8	22.7	26.7	31.3
60°	4.4	6.7	9.5	10.0	11.1	14.0	16.5	19.7	23.7	28.1	33.0
57.5°	4.4	6.8	9.4	9.8	11.5	14.5	17.3	20.5	24.7	29.4	33.9
55°	4.4	6.9	9.3	9.7	11.8	14.9	18.2	21.5	25.6	30.4	34.4
52.5°	4.4	7.0	9.3	9.5	12.2	15.4	19.1	22.6	26.4	31.0	35.0
50°	4.4	7.1	9.2	9.3	12.6	16.1	19.9	23.7	27.1	31.6	35.2
47.5°	4.4	7.2	9.1	9.2	13.0	16.7	20.7	25.0	27.6	32.2	35.8
45°	4.4	7.3	9.1	9.4	13.3	17.4	21.9	26.4	29.2	33.3	36.9
42.5°	4.4	7.4	9.1	9.7	13.6	18.0	23.2	27.9	31.1	34.8	38.7
40°	4.4	7.5	9.1	10.1	14.0	18.6	24.5	29.7	33.4	36.9	41.2
37.5°	4.4	7.5	9.1	10.6	14.5	19.2	25.9	31.6	36.3	40.5	44.2
35°	4.4	7.6	9.1	11.1	14.9	20.0	27.3	33.6	39.4	44.8	48.4
32.5°	4.4	7.6	9.1	11.7	15.3	21.1	28.8	35.8	42.7	49.6	56.5
30°	4.4	7.7	9.1	12.2	15.6	22.2	30.5	38.2	46.0	55.0	65.7
27.5°	4.4	7.7	9.1	12.8	16.7	23.2	32.2	40.9	49.9	60.8	76.0
25°	4.4	7.7	9.2	13.4	18.0	24.2	33.9	43.6	54.5	68.5	88.5
22.5°	4.4	7.8	9.2	14.0	19.3	25.7	35.7	46.4	59.4	77.5	129.8
20°	4.4	7.8	9.3	14.5	20.6	28.5	37.4	49.1	64.3	87.0	176.2
17.5°	4.4	7.8	9.4	15.1	22.0	31.3	40.6	51.8	69.4	96.7	226.4
15°	4.4	7.8	9.4	15.7	23.5	34.1	44.7	55.9	74.4	106.6	279.2
12.5°	4.4	7.8	9.5	16.2	24.9	37.0	48.7	61.9	82.2	116.5	333.2
10°	4.4	7.7	9.6	16.7	26.3	39.7	52.7	67.8	92.2	131.7	384.2
7.5°	4.4	7.7	9.6	17.2	27.7	42.5	56.6	73.7	102.2	147.5	425.7
5°	4.4	7.7	9.7	17.7	29.0	45.1	60.3	79.4	112.0	162.9	461.8
2.5°	4.4	7.6	9.7	18.1	30.3	47.6	64.0	85.0	121.5	177.6	492.3
0°	4.4	7.6	9.8	18.5	31.5	50.0	67.4	90.3	130.5	191.4	516.6
-2.5°	4.4	7.7	10.6	20.8	36.6	59.8	84.3	118.7	174.8	256.0	584.0
-5°	4.4	7.9	11.3	22.9	41.6	69.3	100.8	146.4	217.8	318.6	644.8
-7.5°	4.4	8.0	12.0	25.0	46.3	78.3	116.7	172.9	258.9	378.2	699.0
-10°	4.4	8.1	12.7	27.0	50.8	86.9	131.7	197.9	297.3	433.9	746.6
-12.5°	4.4	8.2	13.4	28.8	55.0	94.8	145.7	220.9	332.6	484.9	791.0
-15°	4.4	8.3	14.0	30.5	58.7	101.9	158.4	241.7	366.0	530.9	829.0
-17.5°	4.4	8.4	14.5	32.0	62.0	108.2	169.8	263.8	398.2	571.6	858.4
-20°	4.4	8.5	15.0	33.2	64.9	113.6	182.2	286.5	426.7	606.5	878.9



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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°	4.4	8.5	15.5	34.3	67.2	118.0	197.0	306.2	451.0	635.2	890.2
-25°	4.4	8.6	15.9	35.1	69.0	124.6	209.6	322.8	470.9	657.1	892.2
-27.5°	4.4	8.6	16.2	35.6	70.1	131.4	219.8	336.0	486.2	674.4	913.3
-30°	4.4	8.6	16.5	35.9	71.0	136.6	227.6	345.7	499.3	689.8	926.7
-32.5°	4.4	8.6	16.6	35.9	73.6	140.3	232.8	353.9	509.1	699.0	930.8
-35°	4.4	8.6	16.7	35.6	75.3	142.3	236.5	359.1	513.9	701.7	925.3
-37.5°	4.4	8.6	16.7	35.1	76.1	143.3	238.3	360.5	513.7	698.0	897.9
-40°	4.4	8.5	16.7	34.2	76.0	143.8	237.6	358.1	508.4	691.5	869.1
-42.5°	4.4	8.5	16.5	33.4	75.6	142.7	234.4	351.7	500.4	668.0	834.8
-45°	4.4	8.4	16.3	33.0	75.1	140.1	228.7	343.0	488.4	638.3	796.0
-47.5°	4.4	8.3	16.0	32.2	73.8	135.9	220.6	332.9	471.0	604.6	757.6
-50°	4.4	8.2	15.6	31.9	71.7	130.2	212.5	319.4	441.9	570.8	714.2
-52.5°	4.4	8.1	15.1	31.5	68.8	123.0	202.6	302.8	413.5	533.2	666.6
-55°	4.4	7.9	14.6	30.8	65.2	116.9	190.6	283.4	383.8	491.9	618.8
-57.5°	4.4	7.8	13.9	29.8	60.8	110.1	176.5	264.6	351.2	451.7	566.8
-60°	4.4	7.6	13.2	28.4	55.8	102.2	161.0	241.1	317.1	409.6	512.9
-62.5°	4.4	7.4	12.7	26.8	52.3	93.2	148.1	214.9	285.3	364.4	459.5
-65°	4.4	7.3	12.2	24.8	48.3	83.2	133.8	189.1	251.5	322.5	402.6
-67.5°	4.4	7.1	11.7	22.5	43.7	74.0	118.1	166.8	216.0	279.9	349.6
-70°	4.4	6.8	11.1	20.0	38.7	65.6	101.2	143.5	187.0	235.3	297.0
-72.5°	4.4	6.6	10.4	18.3	33.2	56.5	87.0	119.2	157.1	199.0	244.7
-75°	4.4	6.4	9.8	16.7	27.4	46.8	72.6	98.0	126.1	161.7	200.5
-77.5°	4.4	6.2	9.1	15.1	23.7	36.7	57.4	77.6	99.9	125.1	154.9
-80°	4.4	5.9	8.4	13.3	20.3	29.5	41.6	56.6	73.7	92.9	114.4
-82.5°	4.4	5.7	7.6	11.4	16.8	23.8	32.3	38.9	46.8	60.1	75.0
-85°	4.4	5.4	6.9	9.6	13.3	18.0	23.8	28.3	33.0	38.0	43.3
-87.5°	4.4	5.2	6.2	7.6	9.6	12.2	15.2	17.6	20.1	22.7	25.5
-90°	4.4	4.9	5.4	5.2	4.9	4.7	4.4	4.1	3.9	3.6	3.3



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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°	7.6	7.6	7.6	7.6	7.9	8.2	8.4	8.7	9.3	9.8	10.4
87.5°	6.4	6.8	7.2	7.7	7.1	6.4	5.7	4.8	5.0	5.3	5.6
85°	9.5	10.3	11.3	12.0	11.5	11.0	10.6	10.4	11.0	11.5	11.8
82.5°	14.9	15.8	16.3	16.4	16.7	17.3	18.2	20.1	21.4	22.2	22.6
80°	20.7	21.3	21.8	23.2	25.8	28.9	32.2	35.9	37.2	37.3	36.9
77.5°	24.3	25.6	28.2	32.0	36.2	40.5	45.2	50.4	51.9	51.5	50.5
75°	26.4	29.5	34.0	39.5	45.1	50.9	57.1	62.9	64.5	62.7	60.3
72.5°	28.4	33.2	39.1	46.2	52.4	58.4	65.0	72.3	74.9	71.2	66.8
70°	30.5	36.4	43.2	50.2	57.3	64.1	70.6	77.6	81.7	75.9	67.1
67.5°	32.2	39.1	46.3	53.6	60.0	66.6	73.9	76.9	78.7	69.4	59.5
65°	34.3	41.5	48.1	54.6	61.4	64.1	66.5	69.0	68.7	58.0	47.4
62.5°	36.3	42.3	48.6	53.6	55.3	56.9	56.9	55.3	52.7	45.4	36.2
60°	37.0	42.2	46.5	48.2	48.6	47.1	45.0	43.0	39.8	33.6	27.4
57.5°	37.4	40.2	42.2	42.7	40.9	37.8	36.4	33.1	30.4	26.8	21.7
55°	37.2	36.9	38.0	37.0	34.8	32.3	29.7	27.6	24.2	23.2	20.9
52.5°	36.3	34.6	34.1	33.0	31.5	28.9	26.3	24.6	23.8	22.5	20.6
50°	35.9	33.8	31.2	31.1	29.9	28.0	25.3	25.0	25.0	23.9	21.6
47.5°	36.4	33.8	30.5	30.6	30.7	31.4	29.1	28.1	28.5	31.7	28.3
45°	37.6	36.2	32.8	32.7	35.7	39.8	43.4	33.4	43.5	48.5	52.4
42.5°	39.6	40.2	41.9	35.7	47.2	61.8	68.7	72.3	68.6	84.4	100.8
40°	43.9	45.4	57.6	62.3	67.3	97.3	139.1	148.8	113.1	157.2	184.6
37.5°	49.3	64.7	85.8	111.3	109.0	171.8	237.1	287.2	282.3	266.9	382.2
35°	55.5	88.3	145.3	202.2	227.1	286.6	407.2	494.4	546.3	577.7	672.7
32.5°	72.6	116.4	219.6	340.5	444.6	503.6	617.4	808.7	989.7	1097.8	1096.7
30°	102.6	185.4	324.6	510.3	712.7	878.6	972.7	1218.5	1563.6	1808.9	1972.4
27.5°	146.9	269.3	486.6	755.7	1039.1	1320.9	1508.6	1828.1	2292.3	2666.2	3015.5
25°	201.0	402.5	669.0	1047.4	1464.2	1822.1	2092.2	2536.2	3124.4	3710.9	4295.2
22.5°	287.3	557.3	871.5	1366.3	1933.4	2340.1	2736.8	3278.0	3958.3	4781.6	5672.6
20°	407.4	737.4	1087.7	1616.7	2402.5	2867.3	3354.4	4000.3	4793.8	5794.5	6984.1
17.5°	537.3	907.4	1299.7	1889.3	2656.1	3300.3	3954.3	4690.4	5579.6	6740.5	8021.9
15°	673.9	1067.4	1489.1	2132.8	2893.5	3589.5	4363.3	5320.7	6369.3	7624.7	8965.2
12.5°	813.9	1217.1	1656.9	2347.3	3120.1	3851.5	4676.8	5672.5	6892.4	8365.0	9772.2
10°	953.9	1356.6	1804.5	2533.1	3332.7	4085.7	4946.0	5964.8	7205.8	8681.3	10202.3
7.5°	1039.8	1448.7	1925.0	2691.0	3527.7	4291.8	5172.0	6199.5	7423.0	8907.4	10474.9
5°	1104.8	1490.0	1987.7	2798.5	3681.8	4444.4	5348.3	6379.4	7553.7	9045.2	10682.0
2.5°	1155.3	1520.5	2037.7	2878.4	3798.3	4527.4	5453.3	6494.6	7689.9	9216.5	10891.1
0°	1190.9	1541.1	2074.0	2933.2	3886.0	4581.0	5521.7	6563.6	7785.0	9365.3	11077.2
-2.5°	1225.5	1604.8	2147.9	3003.1	3898.6	4589.0	5547.8	6566.4	7785.0	9336.4	11000.0
-5°	1247.3	1657.9	2206.2	3047.2	3885.7	4572.5	5533.4	6527.1	7700.2	9167.2	10714.2
-7.5°	1258.6	1698.5	2248.4	3053.8	3818.6	4476.0	5360.4	6294.5	7420.1	8794.8	10221.2
-10°	1264.6	1722.9	2243.9	2961.9	3679.2	4321.0	5129.5	6024.4	7084.7	8363.0	9682.8
-12.5°	1281.2	1736.1	2223.6	2861.6	3527.8	4145.7	4873.4	5720.8	6695.6	7880.1	9091.1
-15°	1290.2	1742.9	2195.3	2758.0	3368.7	3951.5	4596.1	5386.7	6274.1	7333.7	8408.1
-17.5°	1292.7	1744.1	2160.9	2656.0	3205.7	3739.9	4323.4	5100.4	5908.4	6823.4	7739.7
-20°	1289.9	1740.8	2121.9	2560.0	3045.5	3586.1	4175.2	4853.1	5576.4	6350.1	7113.5



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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1282.8	1734.1	2089.0	2491.9	2968.6	3485.3	4027.2	4613.8	5236.2	5908.0	6682.2
-25°	1279.2	1709.1	2067.0	2443.7	2894.1	3379.4	3871.7	4392.8	4935.4	5639.0	6377.4
-27.5°	1273.6	1682.8	2023.8	2376.8	2807.9	3272.3	3734.0	4209.7	4766.8	5398.9	6084.1
-30°	1256.8	1619.2	1965.1	2298.4	2716.8	3164.2	3605.1	4057.3	4584.4	5180.4	5816.1
-32.5°	1209.5	1547.0	1887.1	2221.9	2607.0	3045.6	3472.0	3910.4	4399.4	4933.5	5545.0
-35°	1156.6	1472.5	1799.6	2127.1	2478.8	2901.9	3316.7	3740.5	4194.4	4695.4	5265.6
-37.5°	1118.1	1392.5	1705.9	2020.2	2357.8	2733.6	3140.4	3548.4	3978.1	4455.5	4994.8
-40°	1072.2	1307.3	1610.8	1911.6	2218.9	2565.4	2945.5	3337.0	3740.5	4216.6	4710.7
-42.5°	1020.9	1247.9	1512.3	1796.5	2086.4	2401.3	2740.5	3113.0	3517.7	3960.7	4424.7
-45°	976.6	1181.2	1413.7	1679.7	1948.9	2234.3	2548.8	2881.9	3281.7	3693.7	4124.7
-47.5°	926.2	1111.6	1330.1	1556.2	1809.8	2072.9	2351.1	2675.5	3030.7	3416.6	3811.8
-50°	871.7	1048.4	1234.8	1445.0	1669.8	1910.6	2164.6	2460.6	2784.9	3129.6	3493.3
-52.5°	816.9	978.7	1150.3	1333.3	1537.4	1753.9	1989.1	2252.7	2539.7	2841.8	3162.8
-55°	756.9	908.0	1064.2	1230.1	1408.1	1604.5	1814.9	2050.6	2297.2	2571.1	2841.0
-57.5°	695.2	831.9	975.9	1129.5	1289.6	1456.5	1647.2	1846.8	2069.7	2303.8	2542.0
-60°	630.8	753.2	883.7	1025.0	1173.7	1324.1	1478.6	1655.4	1844.7	2039.2	2252.1
-62.5°	563.3	673.1	789.8	915.1	1051.2	1187.3	1325.8	1472.1	1625.4	1800.1	1977.7
-65°	496.3	590.9	694.8	806.2	922.8	1045.1	1169.2	1294.5	1428.7	1572.6	1722.2
-67.5°	425.7	511.2	600.5	695.1	798.6	902.4	1010.7	1124.0	1238.0	1354.7	1477.5
-70°	362.1	430.0	507.8	590.4	673.9	758.9	852.6	949.8	1049.2	1148.4	1250.4
-72.5°	298.0	356.3	418.6	484.6	554.7	624.7	697.8	773.7	854.4	937.9	1022.7
-75°	239.8	281.1	332.1	387.1	440.7	493.4	548.3	610.0	673.8	738.2	802.4
-77.5°	186.0	218.9	254.4	292.3	329.6	371.9	415.3	459.5	505.8	553.3	601.3
-80°	134.6	155.5	181.7	209.9	237.0	264.4	292.6	321.4	351.5	384.8	420.7
-82.5°	89.2	104.0	119.6	135.9	151.0	165.9	181.9	201.5	221.4	241.7	262.4
-85°	47.7	52.1	61.3	71.0	80.6	90.2	99.8	109.4	119.2	128.8	138.1
-87.5°	27.7	29.9	32.1	34.4	36.8	39.2	41.6	44.0	47.3	50.6	53.9
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	10.9	11.2	11.5	11.7	12.0	12.3	12.6	12.8	13.1	13.4	13.6
87.5°	5.9	5.5	5.1	4.7	4.2	5.5	6.8	8.2	9.5	8.8	8.1
85°	12.1	12.1	12.2	12.2	12.3	13.7	15.2	16.5	17.9	16.5	15.1
82.5°	22.7	22.4	21.6	20.5	19.0	18.6	18.1	17.4	16.6	15.9	15.2
80°	36.1	34.3	31.9	29.1	26.0	24.4	22.8	21.2	19.3	18.8	18.3
77.5°	48.6	45.2	41.2	36.9	32.2	29.3	26.7	23.9	20.9	20.1	19.6
75°	57.4	53.1	47.3	41.2	34.7	30.2	26.7	23.1	19.6	18.8	18.6
72.5°	61.9	55.9	48.6	40.0	31.9	26.5	23.1	20.1	17.5	16.5	16.1
70°	58.2	49.2	40.8	32.9	25.6	20.7	18.4	16.3	14.5	14.0	14.2
67.5°	49.1	40.1	32.5	25.6	19.8	15.9	14.5	13.4	12.6	12.3	12.3
65°	38.4	30.7	24.5	19.4	15.2	12.8	12.4	11.9	11.5	11.1	10.7
62.5°	28.3	22.5	18.6	15.6	13.4	12.0	11.6	11.1	10.6	10.0	9.6
60°	22.0	17.5	15.5	14.2	13.1	12.2	11.8	11.5	11.4	11.2	10.9
57.5°	19.2	16.9	15.0	14.3	13.7	13.3	13.0	12.8	12.4	12.0	11.6
55°	18.7	16.9	15.3	14.9	14.6	14.3	13.9	13.6	13.2	12.7	12.5
52.5°	18.8	17.9	16.7	16.2	16.4	16.0	15.1	15.6	15.7	15.2	15.0
50°	21.2	21.4	21.7	19.9	21.7	22.5	21.4	22.3	23.7	23.8	23.7
47.5°	30.0	32.0	34.6	32.6	35.0	38.7	38.4	38.6	41.9	42.3	42.1
45°	47.9	56.6	60.7	63.0	62.1	70.5	72.2	69.5	73.9	74.7	73.4
42.5°	95.9	100.7	111.5	120.1	115.2	123.9	126.5	118.6	126.3	129.7	126.0
40°	214.8	170.8	202.7	224.8	217.1	200.2	229.5	219.0	218.0	230.2	220.7
37.5°	424.0	376.3	409.1	472.2	469.9	390.5	479.1	473.3	397.9	487.3	479.5
35°	760.4	848.5	809.1	927.1	961.2	979.0	1028.2	1078.9	1023.3	1096.5	1094.6
32.5°	1361.5	1544.3	1625.0	1639.4	1790.8	1914.0	1861.8	2059.6	2047.5	2097.0	2147.5
30°	2149.5	2556.8	2762.9	2768.1	3019.1	3240.1	3310.2	3558.4	3705.2	3680.8	3926.7
27.5°	3429.5	3829.6	4169.1	4458.8	4654.4	5002.8	5487.7	5732.4	6093.1	6234.5	6574.5
25°	4875.7	5372.9	5908.9	6413.0	6827.0	7451.1	8054.6	8435.2	8951.3	9355.7	9766.7
22.5°	6442.5	7102.1	7789.8	8543.9	9313.9	10075.3	10808.3	11511.4	12199.5	12959.5	13424.1
20°	8044.4	8789.8	9626.9	10649.0	11717.2	12635.4	13636.6	14739.1	15793.0	16774.0	17515.0
17.5°	9261.6	10415.2	11322.1	12427.8	13754.4	15047.8	16324.2	17778.1	19118.9	20369.7	21485.1
15°	10191.2	11400.5	12714.8	14049.5	15447.0	16987.0	18742.8	20333.6	21990.0	23461.0	24838.6
12.5°	11001.5	12229.1	13604.6	15161.2	16924.0	18577.3	20417.5	22407.0	24164.4	25892.4	27185.0
10°	11599.5	12963.2	14357.7	15922.8	17720.3	19650.6	21645.0	23655.9	25626.4	27294.6	28683.3
7.5°	11929.3	13377.7	14836.7	16471.1	18319.1	20217.8	22210.1	24309.7	26293.1	28011.0	29286.4
5°	12197.9	13670.4	15112.5	16753.3	18678.9	20565.0	22473.5	24477.5	26554.2	28248.7	29575.5
2.5°	12432.3	13869.0	15275.7	16873.3	18857.6	20752.1	22714.4	24791.7	26800.0	28434.6	29726.1
0°	12635.7	13991.9	15367.7	16951.3	19026.4	20943.8	22874.3	24907.0	26952.8	28545.0	29852.3
-2.5°	12488.5	13818.3	15173.9	16792.6	18771.6	20657.7	22599.2	24657.6	26595.3	28208.1	29475.5
-5°	12104.8	13385.7	14731.9	16346.6	18235.6	20083.1	21998.6	23981.4	25802.9	27415.3	28581.2
-7.5°	11543.7	12797.7	14138.6	15728.0	17485.9	19162.7	20874.6	22712.5	24525.6	25949.2	27059.6
-10°	10920.0	12113.5	13347.7	14745.6	16302.1	17868.3	19441.3	21149.8	22747.3	24084.0	25153.0
-12.5°	10179.6	11239.8	12376.2	13595.4	15024.4	16516.1	18016.1	19512.6	20986.0	22188.5	23156.8
-15°	9379.9	10317.4	11355.2	12534.6	13807.8	15124.1	16477.2	17906.3	19233.2	20353.3	21207.1
-17.5°	8591.0	9430.5	10485.4	11557.5	12586.5	13793.5	15139.2	16321.1	17532.0	18537.8	19292.0
-20°	7922.1	8825.4	9742.6	10658.7	11641.6	12815.1	13956.1	15070.3	16146.3	17062.2	17812.1



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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°	7486.2	8279.7	9062.4	9929.0	10928.1	11963.7	12996.4	14009.4	14983.2	15853.2	16566.5
-25°	7089.7	7761.2	8536.3	9416.1	10259.9	11168.2	12143.2	12989.9	13913.7	14701.6	15311.9
-27.5°	6743.1	7407.7	8168.3	8959.6	9722.7	10541.5	11429.6	12237.7	13069.0	13826.6	14359.1
-30°	6441.3	7129.8	7845.0	8568.9	9287.6	10045.1	10817.0	11598.1	12360.8	13047.7	13559.5
-32.5°	6184.2	6830.0	7500.8	8174.5	8829.7	9519.7	10235.8	10953.8	11660.5	12261.5	12762.6
-35°	5891.8	6510.1	7133.3	7738.4	8345.3	8962.5	9627.0	10299.2	10931.5	11480.2	11969.4
-37.5°	5565.5	6161.2	6730.0	7280.8	7843.4	8414.1	9029.6	9647.2	10227.9	10724.6	11191.0
-40°	5240.7	5783.6	6298.8	6812.8	7328.6	7863.0	8419.8	8972.8	9482.5	9952.3	10386.9
-42.5°	4903.3	5378.5	5847.4	6326.0	6801.8	7283.7	7781.0	8283.9	8738.1	9166.7	9552.0
-45°	4562.9	4970.7	5384.9	5823.3	6257.8	6690.4	7121.0	7545.5	7970.8	8370.1	8695.5
-47.5°	4200.9	4568.9	4945.0	5321.8	5711.2	6106.1	6482.5	6850.0	7225.6	7582.5	7851.3
-50°	3835.5	4176.2	4516.2	4848.3	5192.4	5539.8	5882.8	6206.2	6520.9	6824.4	7034.5
-52.5°	3467.6	3782.6	4094.2	4394.5	4693.1	4989.2	5279.7	5566.7	5842.5	6102.5	6269.2
-55°	3118.2	3399.1	3673.0	3935.3	4198.9	4458.9	4715.2	4966.2	5204.2	5427.8	5556.3
-57.5°	2789.5	3034.2	3274.1	3499.9	3720.5	3934.8	4161.3	4389.4	4603.7	4795.8	4899.4
-60°	2469.2	2689.7	2895.6	3084.3	3273.5	3461.7	3652.5	3840.9	4024.3	4183.9	4273.1
-62.5°	2154.3	2342.7	2517.9	2680.3	2836.6	2992.0	3157.5	3316.4	3467.5	3590.7	3666.3
-65°	1878.3	2037.9	2169.1	2298.4	2426.8	2563.5	2701.0	2832.1	2956.3	3052.8	3116.5
-67.5°	1610.1	1741.3	1850.5	1957.8	2065.3	2173.9	2284.7	2392.0	2495.0	2573.0	2628.3
-70°	1355.0	1454.2	1539.8	1627.1	1716.1	1805.0	1893.9	1979.5	2061.3	2120.8	2165.3
-72.5°	1108.3	1185.0	1251.5	1319.4	1386.3	1455.1	1524.0	1590.2	1653.3	1695.8	1727.1
-75°	866.2	921.9	975.2	1027.0	1076.9	1128.1	1178.8	1227.2	1273.1	1305.4	1331.1
-77.5°	652.2	691.7	726.5	760.6	793.8	829.4	864.2	897.0	927.6	950.1	968.9
-80°	456.9	482.3	504.6	525.5	545.0	567.0	588.6	609.0	628.1	641.2	651.6
-82.5°	283.5	298.5	311.8	324.1	335.3	346.9	357.6	367.3	376.0	386.3	395.8
-85°	147.1	153.2	158.9	164.2	169.0	173.7	178.0	181.8	185.1	187.0	188.3
-87.5°	57.2	58.6	59.9	61.1	62.2	63.7	65.1	66.4	67.7	68.8	69.8
-90°	3.3	3.0	2.8	2.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2



REPORT NUMBER: P701455 (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°
90°	13.9	14.1	14.1	14.1	14.1	14.1	13.9	13.6	13.4	13.1	12.8
87.5°	7.3	6.5	5.9	5.4	5.9	6.5	7.3	8.1	8.8	9.5	8.2
85°	13.5	12.0	10.9	9.8	10.9	12.0	13.5	15.1	16.5	17.9	16.5
82.5°	14.6	14.1	14.1	14.1	14.1	14.1	14.6	15.2	15.9	16.6	17.4
80°	17.9	17.4	17.9	18.5	17.9	17.4	17.9	18.3	18.8	19.3	21.2
77.5°	19.0	18.5	18.5	18.5	18.5	18.5	19.0	19.6	20.1	20.9	23.9
75°	18.5	18.5	18.0	17.4	18.0	18.5	18.5	18.6	18.8	19.6	23.1
72.5°	15.7	15.3	15.2	15.2	15.2	15.3	15.7	16.1	16.5	17.5	20.1
70°	14.6	15.1	14.7	14.1	14.7	15.1	14.6	14.2	14.0	14.5	16.3
67.5°	12.2	12.1	12.0	12.0	12.0	12.1	12.2	12.3	12.3	12.6	13.4
65°	10.3	9.9	9.8	9.8	9.8	9.9	10.3	10.7	11.1	11.5	11.9
62.5°	9.2	8.8	8.7	8.7	8.7	8.8	9.2	9.6	10.0	10.6	11.1
60°	10.4	9.9	9.3	8.7	9.3	9.9	10.4	10.9	11.2	11.4	11.5
57.5°	11.2	10.9	10.9	10.9	10.9	10.9	11.2	11.6	12.0	12.4	12.8
55°	12.3	12.1	12.0	12.0	12.0	12.1	12.3	12.5	12.7	13.2	13.6
52.5°	14.7	14.2	13.7	13.1	13.7	14.2	14.7	15.0	15.2	15.7	15.6
50°	23.3	22.2	21.7	21.8	21.7	22.2	23.3	23.7	23.8	23.7	22.3
47.5°	42.9	42.9	42.7	42.4	42.7	42.9	42.9	42.1	42.3	41.9	38.6
45°	73.1	70.1	67.3	66.3	67.3	70.1	73.1	73.4	74.7	73.9	69.5
42.5°	128.4	127.8	125.5	122.9	125.5	127.8	128.4	126.0	129.7	126.3	118.6
40°	223.2	220.1	214.9	216.4	214.9	220.1	223.2	220.7	230.2	218.0	219.0
37.5°	464.8	442.5	408.7	408.9	408.7	442.5	464.8	479.5	487.3	397.9	473.3
35°	1088.0	1106.2	1084.5	1084.3	1084.5	1106.2	1088.0	1094.6	1096.5	1023.3	1078.9
32.5°	2082.0	2051.8	1929.1	1865.2	1929.1	2051.8	2082.0	2147.5	2097.0	2047.5	2059.6
30°	3922.3	3941.8	3757.9	3762.0	3757.9	3941.8	3922.3	3926.7	3680.8	3705.2	3558.4
27.5°	6711.6	6860.9	6821.6	6756.1	6821.6	6860.9	6711.6	6574.5	6234.5	6093.1	5732.4
25°	10036.2	10148.7	10073.4	10027.6	10073.4	10148.7	10036.2	9766.7	9355.7	8951.3	8435.2
22.5°	13875.3	14031.9	13992.6	13794.0	13992.6	14031.9	13875.3	13424.1	12959.5	12199.5	11511.4
20°	18125.2	18393.4	18549.2	18448.9	18549.2	18393.4	18125.2	17515.0	16774.0	15793.0	14739.1
17.5°	22277.3	22623.2	22888.4	22977.6	22888.4	22623.2	22277.3	21485.1	20369.7	19118.9	17778.1
15°	25768.7	26263.3	26611.7	26735.3	26611.7	26263.3	25768.7	24838.6	23461.0	21990.0	20333.6
12.5°	28274.3	28918.1	29326.7	29449.4	29326.7	28918.1	28274.3	27185.0	25892.4	24164.4	22407.0
10°	29652.1	30463.6	30928.7	31122.6	30928.7	30463.6	29652.1	28683.3	27294.6	25626.4	23655.9
7.5°	30421.9	31154.9	31594.3	31659.4	31594.3	31154.9	30421.9	29286.4	28011.0	26293.1	24309.7
5°	30671.7	31337.6	31700.3	31733.9	31700.3	31337.6	30671.7	29575.5	28248.7	26554.2	24477.5
2.5°	30781.1	31343.9	31611.4	31543.0	31611.4	31343.9	30781.1	29726.1	28434.6	26800.0	24791.7
0°	30725.1	31228.1	31512.0	31554.4	31512.0	31228.1	30725.1	29852.3	28545.0	26952.8	24907.0
-2.5°	30268.9	30643.4	30844.8	30715.3	30844.8	30643.4	30268.9	29475.5	28208.1	26595.3	24657.6
-5°	29228.6	29498.1	29582.2	29629.4	29582.2	29498.1	29228.6	28581.2	27415.3	25802.9	23981.4
-7.5°	27725.0	27945.0	28028.0	27969.7	28028.0	27945.0	27725.0	27059.6	25949.2	24525.6	22712.5
-10°	25743.2	25944.8	26015.2	25975.0	26015.2	25944.8	25743.2	25153.0	24084.0	22747.3	21149.8
-12.5°	23737.1	23976.0	24030.8	24034.2	24030.8	23976.0	23737.1	23156.8	22188.5	20986.0	19512.6
-15°	21765.0	22038.2	22121.7	22194.6	22121.7	22038.2	21765.0	21207.1	20353.3	19233.2	17906.3
-17.5°	19827.3	20098.6	20169.0	20073.7	20169.0	20098.6	19827.3	19292.0	18537.8	17532.0	16321.1
-20°	18234.5	18375.1	18525.2	18523.9	18525.2	18375.1	18234.5	17812.1	17062.2	16146.3	15070.3



REPORT NUMBER: P701455 (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°	16918.9	17151.4	17279.2	17370.0	17279.2	17151.4	16918.9	16566.5	15853.2	14983.2	14009.4
-25°	15685.1	15882.5	15962.0	16022.5	15962.0	15882.5	15685.1	15311.9	14701.6	13913.7	12989.9
-27.5°	14734.6	14935.0	15048.3	15115.4	15048.3	14935.0	14734.6	14359.1	13826.6	13069.0	12237.7
-30°	13976.6	14173.5	14308.5	14393.2	14308.5	14173.5	13976.6	13559.5	13047.7	12360.8	11598.1
-32.5°	13159.8	13365.7	13506.5	13593.9	13506.5	13365.7	13159.8	12762.6	12261.5	11660.5	10953.8
-35°	12311.0	12517.0	12668.9	12740.1	12668.9	12517.0	12311.0	11969.4	11480.2	10931.5	10299.2
-37.5°	11486.4	11678.7	11812.9	11865.7	11812.9	11678.7	11486.4	11191.0	10724.6	10227.9	9647.2
-40°	10626.9	10808.3	10932.9	10981.4	10932.9	10808.3	10626.9	10386.9	9952.3	9482.5	8972.8
-42.5°	9760.1	9929.4	10044.5	10092.9	10044.5	9929.4	9760.1	9552.0	9166.7	8738.1	8283.9
-45°	8882.1	9032.7	9130.1	9167.3	9130.1	9032.7	8882.1	8695.5	8370.1	7970.8	7545.5
-47.5°	8018.0	8153.7	8237.5	8264.6	8237.5	8153.7	8018.0	7851.3	7582.5	7225.6	6850.0
-50°	7174.4	7285.6	7362.2	7405.4	7362.2	7285.6	7174.4	7034.5	6824.4	6520.9	6206.2
-52.5°	6394.1	6495.1	6555.3	6578.9	6555.3	6495.1	6394.1	6269.2	6102.5	5842.5	5566.7
-55°	5662.8	5750.2	5801.3	5821.9	5801.3	5750.2	5662.8	5556.3	5427.8	5204.2	4966.2
-57.5°	4987.5	5059.1	5107.3	5134.5	5107.3	5059.1	4987.5	4899.4	4795.8	4603.7	4389.4
-60°	4347.2	4405.8	4446.3	4470.0	4446.3	4405.8	4347.2	4273.1	4183.9	4024.3	3840.9
-62.5°	3729.1	3779.0	3811.7	3830.5	3811.7	3779.0	3729.1	3666.3	3590.7	3467.5	3316.4
-65°	3170.2	3214.0	3235.1	3243.2	3235.1	3214.0	3170.2	3116.5	3052.8	2956.3	2832.1
-67.5°	2675.8	2715.2	2729.4	2732.0	2729.4	2715.2	2675.8	2628.3	2573.0	2495.0	2392.0
-70°	2203.8	2235.9	2246.7	2248.1	2246.7	2235.9	2203.8	2165.3	2120.8	2061.3	1979.5
-72.5°	1752.8	1773.0	1788.6	1798.9	1788.6	1773.0	1752.8	1727.1	1695.8	1653.3	1590.2
-75°	1352.6	1369.9	1377.4	1380.2	1377.4	1369.9	1352.6	1331.1	1305.4	1273.1	1227.2
-77.5°	985.0	998.2	1001.2	1000.6	1001.2	998.2	985.0	968.9	950.1	927.6	897.0
-80°	659.9	666.0	670.0	672.1	670.0	666.0	659.9	651.6	641.2	628.1	609.0
-82.5°	404.3	411.8	404.1	394.8	404.1	411.8	404.3	395.8	386.3	376.0	367.3
-85°	189.1	189.4	190.1	190.3	190.1	189.4	189.1	188.3	187.0	185.1	181.8
-87.5°	70.8	71.6	71.2	70.7	71.2	71.6	70.8	69.8	68.8	67.7	66.4
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



REPORT NUMBER: P701455 (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°	12.6	12.3	12.0	11.7	11.5	11.2	10.9	10.4	9.8	9.3	8.7
87.5°	6.8	5.5	4.2	4.7	5.1	5.5	5.9	5.6	5.3	5.0	4.8
85°	15.2	13.7	12.3	12.2	12.2	12.1	12.1	11.8	11.5	11.0	10.4
82.5°	18.1	18.6	19.0	20.5	21.6	22.4	22.7	22.6	22.2	21.4	20.1
80°	22.8	24.4	26.0	29.1	31.9	34.3	36.1	36.9	37.3	37.2	35.9
77.5°	26.7	29.3	32.2	36.9	41.2	45.2	48.6	50.5	51.5	51.9	50.4
75°	26.7	30.2	34.7	41.2	47.3	53.1	57.4	60.3	62.7	64.5	62.9
72.5°	23.1	26.5	31.9	40.0	48.6	55.9	61.9	66.8	71.2	74.9	72.3
70°	18.4	20.7	25.6	32.9	40.8	49.2	58.2	67.1	75.9	81.7	77.6
67.5°	14.5	15.9	19.8	25.6	32.5	40.1	49.1	59.5	69.4	78.7	76.9
65°	12.4	12.8	15.2	19.4	24.5	30.7	38.4	47.4	58.0	68.7	69.0
62.5°	11.6	12.0	13.4	15.6	18.6	22.5	28.3	36.2	45.4	52.7	55.3
60°	11.8	12.2	13.1	14.2	15.5	17.5	22.0	27.4	33.6	39.8	43.0
57.5°	13.0	13.3	13.7	14.3	15.0	16.9	19.2	21.7	26.8	30.4	33.1
55°	13.9	14.3	14.6	14.9	15.3	16.9	18.7	20.9	23.2	24.2	27.6
52.5°	15.1	16.0	16.4	16.2	16.7	17.9	18.8	20.6	22.5	23.8	24.6
50°	21.4	22.5	21.7	19.9	21.7	21.4	21.2	21.6	23.9	25.0	25.0
47.5°	38.4	38.7	35.0	32.6	34.6	32.0	30.0	28.3	31.7	28.5	28.1
45°	72.2	70.5	62.1	63.0	60.7	56.6	47.9	52.4	48.5	43.5	33.4
42.5°	126.5	123.9	115.2	120.1	111.5	100.7	95.9	100.8	84.4	68.6	72.3
40°	229.5	200.2	217.1	224.8	202.7	170.8	214.8	184.6	157.2	113.1	148.8
37.5°	479.1	390.5	469.9	472.2	409.1	376.3	424.0	382.2	266.9	282.3	287.2
35°	1028.2	979.0	961.2	927.1	809.1	848.5	760.4	672.7	577.7	546.3	494.4
32.5°	1861.8	1914.0	1790.8	1639.4	1625.0	1544.3	1361.5	1096.7	1097.8	989.7	808.7
30°	3310.2	3240.1	3019.1	2768.1	2762.9	2556.8	2149.5	1972.4	1808.9	1563.6	1218.5
27.5°	5487.7	5002.8	4654.4	4458.8	4169.1	3829.6	3429.5	3015.5	2666.2	2292.3	1828.1
25°	8054.6	7451.1	6827.0	6413.0	5908.9	5372.9	4875.7	4295.2	3710.9	3124.4	2536.2
22.5°	10808.3	10075.3	9313.9	8543.9	7789.8	7102.1	6442.5	5672.6	4781.6	3958.3	3278.0
20°	13636.6	12635.4	11717.2	10649.0	9626.9	8789.8	8044.4	6984.1	5794.5	4793.8	4000.3
17.5°	16324.2	15047.8	13754.4	12427.8	11322.1	10415.2	9261.6	8021.9	6740.5	5579.6	4690.4
15°	18742.8	16987.0	15447.0	14049.5	12714.8	11400.5	10191.2	8965.2	7624.7	6369.3	5320.7
12.5°	20417.5	18577.3	16924.0	15161.2	13604.6	12229.1	11001.5	9772.2	8365.0	6892.4	5672.5
10°	21645.0	19650.6	17720.3	15922.8	14357.7	12963.2	11599.5	10202.3	8681.3	7205.8	5964.8
7.5°	22210.1	20217.8	18319.1	16471.1	14836.7	13377.7	11929.3	10474.9	8907.4	7423.0	6199.5
5°	22473.5	20565.0	18678.9	16753.3	15112.5	13670.4	12197.9	10682.0	9045.2	7553.7	6379.4
2.5°	22714.4	20752.1	18857.6	16873.3	15275.7	13869.0	12432.3	10891.1	9216.5	7689.9	6494.6
0°	22874.3	20943.8	19026.4	16951.3	15367.7	13991.9	12635.7	11077.2	9365.3	7785.0	6563.6
-2.5°	22599.2	20657.7	18771.6	16792.6	15173.9	13818.3	12488.5	11000.0	9336.4	7785.0	6566.4
-5°	21998.6	20083.1	18235.6	16346.6	14731.9	13385.7	12104.8	10714.2	9167.2	7700.2	6527.1
-7.5°	20874.6	19162.7	17485.9	15728.0	14138.6	12797.7	11543.7	10221.2	8794.8	7420.1	6294.5
-10°	19441.3	17868.3	16302.1	14745.6	13347.7	12113.5	10920.0	9682.8	8363.0	7084.7	6024.4
-12.5°	18016.1	16516.1	15024.4	13595.4	12376.2	11239.8	10179.6	9091.1	7880.1	6695.6	5720.8
-15°	16477.2	15124.1	13807.8	12534.6	11355.2	10317.4	9379.9	8408.1	7333.7	6274.1	5386.7
-17.5°	15139.2	13793.5	12586.5	11557.5	10485.4	9430.5	8591.0	7739.7	6823.4	5908.4	5100.4
-20°	13956.1	12815.1	11641.6	10658.7	9742.6	8825.4	7922.1	7113.5	6350.1	5576.4	4853.1



REPORT NUMBER: P701455 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12996.4	11963.7	10928.1	9929.0	9062.4	8279.7	7486.2	6682.2	5908.0	5236.2	4613.8
-25°	12143.2	11168.2	10259.9	9416.1	8536.3	7761.2	7089.7	6377.4	5639.0	4935.4	4392.8
-27.5°	11429.6	10541.5	9722.7	8959.6	8168.3	7407.7	6743.1	6084.1	5398.9	4766.8	4209.7
-30°	10817.0	10045.1	9287.6	8568.9	7845.0	7129.8	6441.3	5816.1	5180.4	4584.4	4057.3
-32.5°	10235.8	9519.7	8829.7	8174.5	7500.8	6830.0	6184.2	5545.0	4933.5	4399.4	3910.4
-35°	9627.0	8962.5	8345.3	7738.4	7133.3	6510.1	5891.8	5265.6	4695.4	4194.4	3740.5
-37.5°	9029.6	8414.1	7843.4	7280.8	6730.0	6161.2	5565.5	4994.8	4455.5	3978.1	3548.4
-40°	8419.8	7863.0	7328.6	6812.8	6298.8	5783.6	5240.7	4710.7	4216.6	3740.5	3337.0
-42.5°	7781.0	7283.7	6801.8	6326.0	5847.4	5378.5	4903.3	4424.7	3960.7	3517.7	3113.0
-45°	7121.0	6690.4	6257.8	5823.3	5384.9	4970.7	4562.9	4124.7	3693.7	3281.7	2881.9
-47.5°	6482.5	6106.1	5711.2	5321.8	4945.0	4568.9	4200.9	3811.8	3416.6	3030.7	2675.5
-50°	5882.8	5539.8	5192.4	4848.3	4516.2	4176.2	3835.5	3493.3	3129.6	2784.9	2460.6
-52.5°	5279.7	4989.2	4693.1	4394.5	4094.2	3782.6	3467.6	3162.8	2841.8	2539.7	2252.7
-55°	4715.2	4458.9	4198.9	3935.3	3673.0	3399.1	3118.2	2841.0	2571.1	2297.2	2050.6
-57.5°	4161.3	3934.8	3720.5	3499.9	3274.1	3034.2	2789.5	2542.0	2303.8	2069.7	1846.8
-60°	3652.5	3461.7	3273.5	3084.3	2895.6	2689.7	2469.2	2252.1	2039.2	1844.7	1655.4
-62.5°	3157.5	2992.0	2836.6	2680.3	2517.9	2342.7	2154.3	1977.7	1800.1	1625.4	1472.1
-65°	2701.0	2563.5	2426.8	2298.4	2169.1	2037.9	1878.3	1722.2	1572.6	1428.7	1294.5
-67.5°	2284.7	2173.9	2065.3	1957.8	1850.5	1741.3	1610.1	1477.5	1354.7	1238.0	1124.0
-70°	1893.9	1805.0	1716.1	1627.1	1539.8	1454.2	1355.0	1250.4	1148.4	1049.2	949.8
-72.5°	1524.0	1455.1	1386.3	1319.4	1251.5	1185.0	1108.3	1022.7	937.9	854.4	773.7
-75°	1178.8	1128.1	1076.9	1027.0	975.2	921.9	866.2	802.4	738.2	673.8	610.0
-77.5°	864.2	829.4	793.8	760.6	726.5	691.7	652.2	601.3	553.3	505.8	459.5
-80°	588.6	567.0	545.0	525.5	504.6	482.3	456.9	420.7	384.8	351.5	321.4
-82.5°	357.6	346.9	335.3	324.1	311.8	298.5	283.5	262.4	241.7	221.4	201.5
-85°	178.0	173.7	169.0	164.2	158.9	153.2	147.1	138.1	128.8	119.2	109.4
-87.5°	65.1	63.7	62.2	61.1	59.9	58.6	57.2	53.9	50.6	47.3	44.0
-90°	2.2	2.2	2.2	2.5	2.8	3.0	3.3	3.3	3.3	3.3	3.3



REPORT NUMBER: P701455 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.4	8.2	7.9	7.6	7.6	7.6	7.6	7.6	7.3	7.1	6.8
87.5°	5.7	6.4	7.1	7.7	7.2	6.8	6.4	6.1	6.3	6.5	6.6
85°	10.6	11.0	11.5	12.0	11.3	10.3	9.5	8.8	9.0	9.1	9.0
82.5°	18.2	17.3	16.7	16.4	16.3	15.8	14.9	13.5	12.3	11.7	11.5
80°	32.2	28.9	25.8	23.2	21.8	21.3	20.7	19.3	16.4	14.4	13.3
77.5°	45.2	40.5	36.2	32.0	28.2	25.6	24.3	23.7	20.3	16.9	14.7
75°	57.1	50.9	45.1	39.5	34.0	29.5	26.4	24.4	21.7	19.1	15.9
72.5°	65.0	58.4	52.4	46.2	39.1	33.2	28.4	25.0	22.3	19.6	16.9
70°	70.6	64.1	57.3	50.2	43.2	36.4	30.5	26.4	22.9	20.1	17.3
67.5°	73.9	66.6	60.0	53.6	46.3	39.1	32.2	27.8	24.2	20.6	17.7
65°	66.5	64.1	61.4	54.6	48.1	41.5	34.3	29.4	25.4	21.7	18.0
62.5°	56.9	56.9	55.3	53.6	48.6	42.3	36.3	31.3	26.7	22.7	18.8
60°	45.0	47.1	48.6	48.2	46.5	42.2	37.0	33.0	28.1	23.7	19.7
57.5°	36.4	37.8	40.9	42.7	42.2	40.2	37.4	33.9	29.4	24.7	20.5
55°	29.7	32.3	34.8	37.0	38.0	36.9	37.2	34.4	30.4	25.6	21.5
52.5°	26.3	28.9	31.5	33.0	34.1	34.6	36.3	35.0	31.0	26.4	22.6
50°	25.3	28.0	29.9	31.1	31.2	33.8	35.9	35.2	31.6	27.1	23.7
47.5°	29.1	31.4	30.7	30.6	30.5	33.8	36.4	35.8	32.2	27.6	25.0
45°	43.4	39.8	35.7	32.7	32.8	36.2	37.6	36.9	33.3	29.2	26.4
42.5°	68.7	61.8	47.2	35.7	41.9	40.2	39.6	38.7	34.8	31.1	27.9
40°	139.1	97.3	67.3	62.3	57.6	45.4	43.9	41.2	36.9	33.4	29.7
37.5°	237.1	171.8	109.0	111.3	85.8	64.7	49.3	44.2	40.5	36.3	31.6
35°	407.2	286.6	227.1	202.2	145.3	88.3	55.5	48.4	44.8	39.4	33.6
32.5°	617.4	503.6	444.6	340.5	219.6	116.4	72.6	56.5	49.6	42.7	35.8
30°	972.7	878.6	712.7	510.3	324.6	185.4	102.6	65.7	55.0	46.0	38.2
27.5°	1508.6	1320.9	1039.1	755.7	486.6	269.3	146.9	76.0	60.8	49.9	40.9
25°	2092.2	1822.1	1464.2	1047.4	669.0	402.5	201.0	88.5	68.5	54.5	43.6
22.5°	2736.8	2340.1	1933.4	1366.3	871.5	557.3	287.3	129.8	77.5	59.4	46.4
20°	3354.4	2867.3	2402.5	1616.7	1087.7	737.4	407.4	176.2	87.0	64.3	49.1
17.5°	3954.3	3300.3	2656.1	1889.3	1299.7	907.4	537.3	226.4	96.7	69.4	51.8
15°	4363.3	3589.5	2893.5	2132.8	1489.1	1067.4	673.9	279.2	106.6	74.4	55.9
12.5°	4676.8	3851.5	3120.1	2347.3	1656.9	1217.1	813.9	333.2	116.5	82.2	61.9
10°	4946.0	4085.7	3332.7	2533.1	1804.5	1356.6	953.9	384.2	131.7	92.2	67.8
7.5°	5172.0	4291.8	3527.7	2691.0	1925.0	1448.7	1039.8	425.7	147.5	102.2	73.7
5°	5348.3	4444.4	3681.8	2798.5	1987.7	1490.0	1104.8	461.8	162.9	112.0	79.4
2.5°	5453.3	4527.4	3798.3	2878.4	2037.7	1520.5	1155.3	492.3	177.6	121.5	85.0
0°	5521.7	4581.0	3886.0	2933.2	2074.0	1541.1	1190.9	516.6	191.4	130.5	90.3
-2.5°	5547.8	4589.0	3898.6	3003.1	2147.9	1604.8	1225.5	584.0	256.0	174.8	118.7
-5°	5533.4	4572.5	3885.7	3047.2	2206.2	1657.9	1247.3	644.8	318.6	217.8	146.4
-7.5°	5360.4	4476.0	3818.6	3053.8	2248.4	1698.5	1258.6	699.0	378.2	258.9	172.9
-10°	5129.5	4321.0	3679.2	2961.9	2243.9	1722.9	1264.6	746.6	433.9	297.3	197.9
-12.5°	4873.4	4145.7	3527.8	2861.6	2223.6	1736.1	1281.2	791.0	484.9	332.6	220.9
-15°	4596.1	3951.5	3368.7	2758.0	2195.3	1742.9	1290.2	829.0	530.9	366.0	241.7
-17.5°	4323.4	3739.9	3205.7	2656.0	2160.9	1744.1	1292.7	858.4	571.6	398.2	263.8
-20°	4175.2	3586.1	3045.5	2560.0	2121.9	1740.8	1289.9	878.9	606.5	426.7	286.5



REPORT NUMBER: P701455 (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°	4027.2	3485.3	2968.6	2491.9	2089.0	1734.1	1282.8	890.2	635.2	451.0	306.2
-25°	3871.7	3379.4	2894.1	2443.7	2067.0	1709.1	1279.2	892.2	657.1	470.9	322.8
-27.5°	3734.0	3272.3	2807.9	2376.8	2023.8	1682.8	1273.6	913.3	674.4	486.2	336.0
-30°	3605.1	3164.2	2716.8	2298.4	1965.1	1619.2	1256.8	926.7	689.8	499.3	345.7
-32.5°	3472.0	3045.6	2607.0	2221.9	1887.1	1547.0	1209.5	930.8	699.0	509.1	353.9
-35°	3316.7	2901.9	2478.8	2127.1	1799.6	1472.5	1156.6	925.3	701.7	513.9	359.1
-37.5°	3140.4	2733.6	2357.8	2020.2	1705.9	1392.5	1118.1	897.9	698.0	513.7	360.5
-40°	2945.5	2565.4	2218.9	1911.6	1610.8	1307.3	1072.2	869.1	691.5	508.4	358.1
-42.5°	2740.5	2401.3	2086.4	1796.5	1512.3	1247.9	1020.9	834.8	668.0	500.4	351.7
-45°	2548.8	2234.3	1948.9	1679.7	1413.7	1181.2	976.6	796.0	638.3	488.4	343.0
-47.5°	2351.1	2072.9	1809.8	1556.2	1330.1	1111.6	926.2	757.6	604.6	471.0	332.9
-50°	2164.6	1910.6	1669.8	1445.0	1234.8	1048.4	871.7	714.2	570.8	441.9	319.4
-52.5°	1989.1	1753.9	1537.4	1333.3	1150.3	978.7	816.9	666.6	533.2	413.5	302.8
-55°	1814.9	1604.5	1408.1	1230.1	1064.2	908.0	756.9	618.8	491.9	383.8	283.4
-57.5°	1647.2	1456.5	1289.6	1129.5	975.9	831.9	695.2	566.8	451.7	351.2	264.6
-60°	1478.6	1324.1	1173.7	1025.0	883.7	753.2	630.8	512.9	409.6	317.1	241.1
-62.5°	1325.8	1187.3	1051.2	915.1	789.8	673.1	563.3	459.5	364.4	285.3	214.9
-65°	1169.2	1045.1	922.8	806.2	694.8	590.9	496.3	402.6	322.5	251.5	189.1
-67.5°	1010.7	902.4	798.6	695.1	600.5	511.2	425.7	349.6	279.9	216.0	166.8
-70°	852.6	758.9	673.9	590.4	507.8	430.0	362.1	297.0	235.3	187.0	143.5
-72.5°	697.8	624.7	554.7	484.6	418.6	356.3	298.0	244.7	199.0	157.1	119.2
-75°	548.3	493.4	440.7	387.1	332.1	281.1	239.8	200.5	161.7	126.1	98.0
-77.5°	415.3	371.9	329.6	292.3	254.4	218.9	186.0	154.9	125.1	99.9	77.6
-80°	292.6	264.4	237.0	209.9	181.7	155.5	134.6	114.4	92.9	73.7	56.6
-82.5°	181.9	165.9	151.0	135.9	119.6	104.0	89.2	75.0	60.1	46.8	38.9
-85°	99.8	90.2	80.6	71.0	61.3	52.1	47.7	43.3	38.0	33.0	28.3
-87.5°	41.6	39.2	36.8	34.4	32.1	29.9	27.7	25.5	22.7	20.1	17.6
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.6	3.9	4.1



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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	4.4
87.5°	6.7	6.3	6.0	5.9	5.8	5.1	4.4
85°	8.9	7.9	7.2	6.6	6.2	5.2	4.4
82.5°	11.1	9.6	8.3	7.3	6.5	5.4	4.4
80°	13.1	11.2	9.4	8.0	6.9	5.6	4.4
77.5°	13.6	12.3	10.5	8.7	7.3	5.7	4.4
75°	14.0	12.5	11.4	9.3	7.6	5.9	4.4
72.5°	14.4	12.6	11.4	10.0	8.0	6.0	4.4
70°	14.7	12.8	11.4	10.5	8.3	6.2	4.4
67.5°	15.2	12.9	11.3	10.4	8.6	6.3	4.4
65°	15.6	13.1	11.3	10.3	8.9	6.4	4.4
62.5°	16.0	13.6	11.2	10.1	9.2	6.6	4.4
60°	16.5	14.0	11.1	10.0	9.5	6.7	4.4
57.5°	17.3	14.5	11.5	9.8	9.4	6.8	4.4
55°	18.2	14.9	11.8	9.7	9.3	6.9	4.4
52.5°	19.1	15.4	12.2	9.5	9.3	7.0	4.4
50°	19.9	16.1	12.6	9.3	9.2	7.1	4.4
47.5°	20.7	16.7	13.0	9.2	9.1	7.2	4.4
45°	21.9	17.4	13.3	9.4	9.1	7.3	4.4
42.5°	23.2	18.0	13.6	9.7	9.1	7.4	4.4
40°	24.5	18.6	14.0	10.1	9.1	7.5	4.4
37.5°	25.9	19.2	14.5	10.6	9.1	7.5	4.4
35°	27.3	20.0	14.9	11.1	9.1	7.6	4.4
32.5°	28.8	21.1	15.3	11.7	9.1	7.6	4.4
30°	30.5	22.2	15.6	12.2	9.1	7.7	4.4
27.5°	32.2	23.2	16.7	12.8	9.1	7.7	4.4
25°	33.9	24.2	18.0	13.4	9.2	7.7	4.4
22.5°	35.7	25.7	19.3	14.0	9.2	7.8	4.4
20°	37.4	28.5	20.6	14.5	9.3	7.8	4.4
17.5°	40.6	31.3	22.0	15.1	9.4	7.8	4.4
15°	44.7	34.1	23.5	15.7	9.4	7.8	4.4
12.5°	48.7	37.0	24.9	16.2	9.5	7.8	4.4
10°	52.7	39.7	26.3	16.7	9.6	7.7	4.4
7.5°	56.6	42.5	27.7	17.2	9.6	7.7	4.4
5°	60.3	45.1	29.0	17.7	9.7	7.7	4.4
2.5°	64.0	47.6	30.3	18.1	9.7	7.6	4.4
0°	67.4	50.0	31.5	18.5	9.8	7.6	4.4
-2.5°	84.3	59.8	36.6	20.8	10.6	7.7	4.4
-5°	100.8	69.3	41.6	22.9	11.3	7.9	4.4
-7.5°	116.7	78.3	46.3	25.0	12.0	8.0	4.4
-10°	131.7	86.9	50.8	27.0	12.7	8.1	4.4
-12.5°	145.7	94.8	55.0	28.8	13.4	8.2	4.4
-15°	158.4	101.9	58.7	30.5	14.0	8.3	4.4
-17.5°	169.8	108.2	62.0	32.0	14.5	8.4	4.4
-20°	182.2	113.6	64.9	33.2	15.0	8.5	4.4



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	197.0	118.0	67.2	34.3	15.5	8.5	4.4
-25°	209.6	124.6	69.0	35.1	15.9	8.6	4.4
-27.5°	219.8	131.4	70.1	35.6	16.2	8.6	4.4
-30°	227.6	136.6	71.0	35.9	16.5	8.6	4.4
-32.5°	232.8	140.3	73.6	35.9	16.6	8.6	4.4
-35°	236.5	142.3	75.3	35.6	16.7	8.6	4.4
-37.5°	238.3	143.3	76.1	35.1	16.7	8.6	4.4
-40°	237.6	143.8	76.0	34.2	16.7	8.5	4.4
-42.5°	234.4	142.7	75.6	33.4	16.5	8.5	4.4
-45°	228.7	140.1	75.1	33.0	16.3	8.4	4.4
-47.5°	220.6	135.9	73.8	32.2	16.0	8.3	4.4
-50°	212.5	130.2	71.7	31.9	15.6	8.2	4.4
-52.5°	202.6	123.0	68.8	31.5	15.1	8.1	4.4
-55°	190.6	116.9	65.2	30.8	14.6	7.9	4.4
-57.5°	176.5	110.1	60.8	29.8	13.9	7.8	4.4
-60°	161.0	102.2	55.8	28.4	13.2	7.6	4.4
-62.5°	148.1	93.2	52.3	26.8	12.7	7.4	4.4
-65°	133.8	83.2	48.3	24.8	12.2	7.3	4.4
-67.5°	118.1	74.0	43.7	22.5	11.7	7.1	4.4
-70°	101.2	65.6	38.7	20.0	11.1	6.8	4.4
-72.5°	87.0	56.5	33.2	18.3	10.4	6.6	4.4
-75°	72.6	46.8	27.4	16.7	9.8	6.4	4.4
-77.5°	57.4	36.7	23.7	15.1	9.1	6.2	4.4
-80°	41.6	29.5	20.3	13.3	8.4	5.9	4.4
-82.5°	32.3	23.8	16.8	11.4	7.6	5.7	4.4
-85°	23.8	18.0	13.3	9.6	6.9	5.4	4.4
-87.5°	15.2	12.2	9.6	7.6	6.2	5.2	4.4
-90°	4.4	4.7	4.9	5.2	5.4	4.9	4.4

(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

