

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: P701337 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-70-7F-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701337 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-42)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-70-7F-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

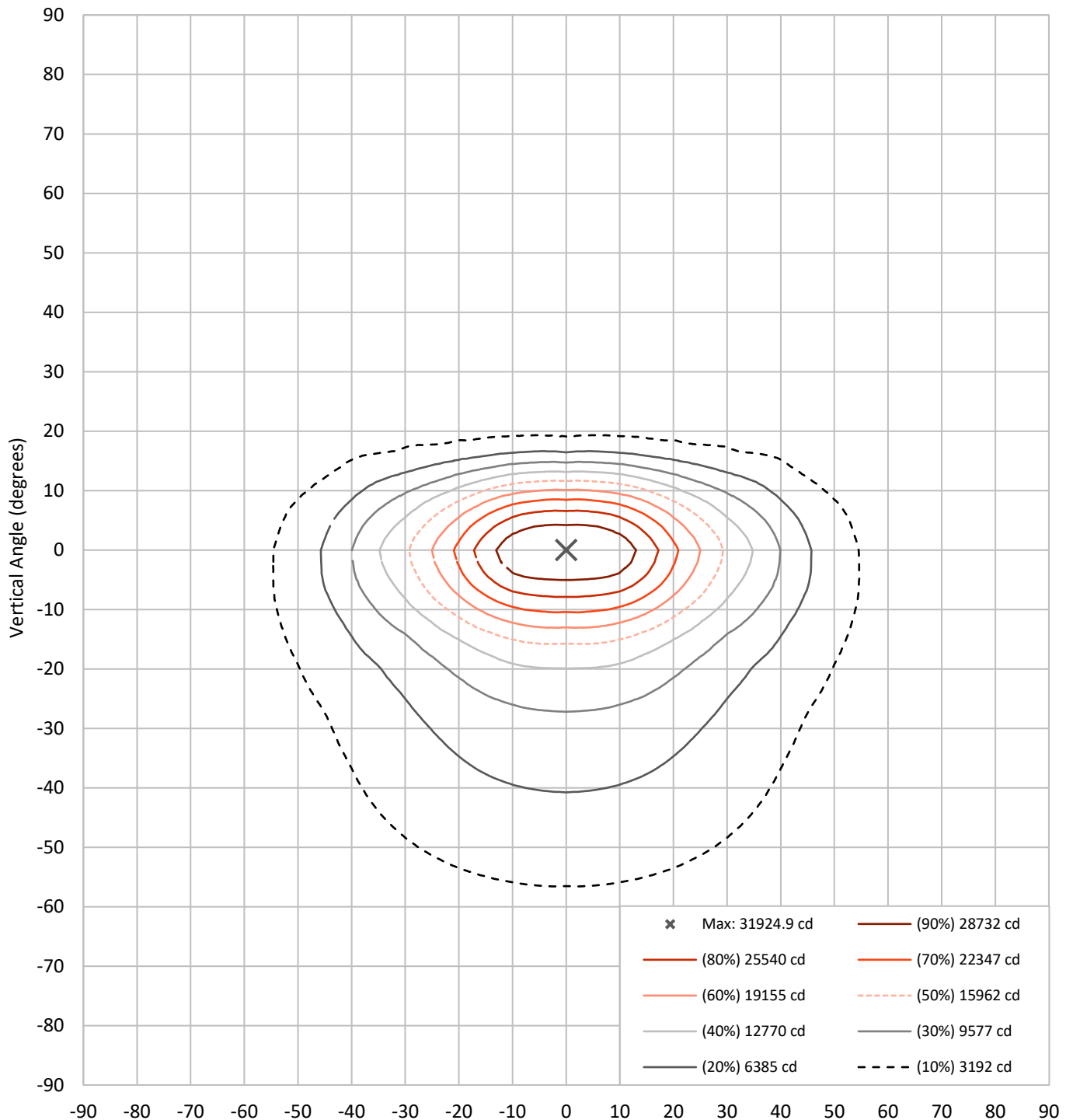
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	21481.1 lumens	Max Intensity:	31924.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	62.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 27.3°V	Field Angle (10%):	109.1°H x 75.6°V
Beam Lumens:	8537.5 lumens	Field Lumens:	18903.9 lumens
Beam Efficiency:	39.7%	Field Efficiency:	88.0%

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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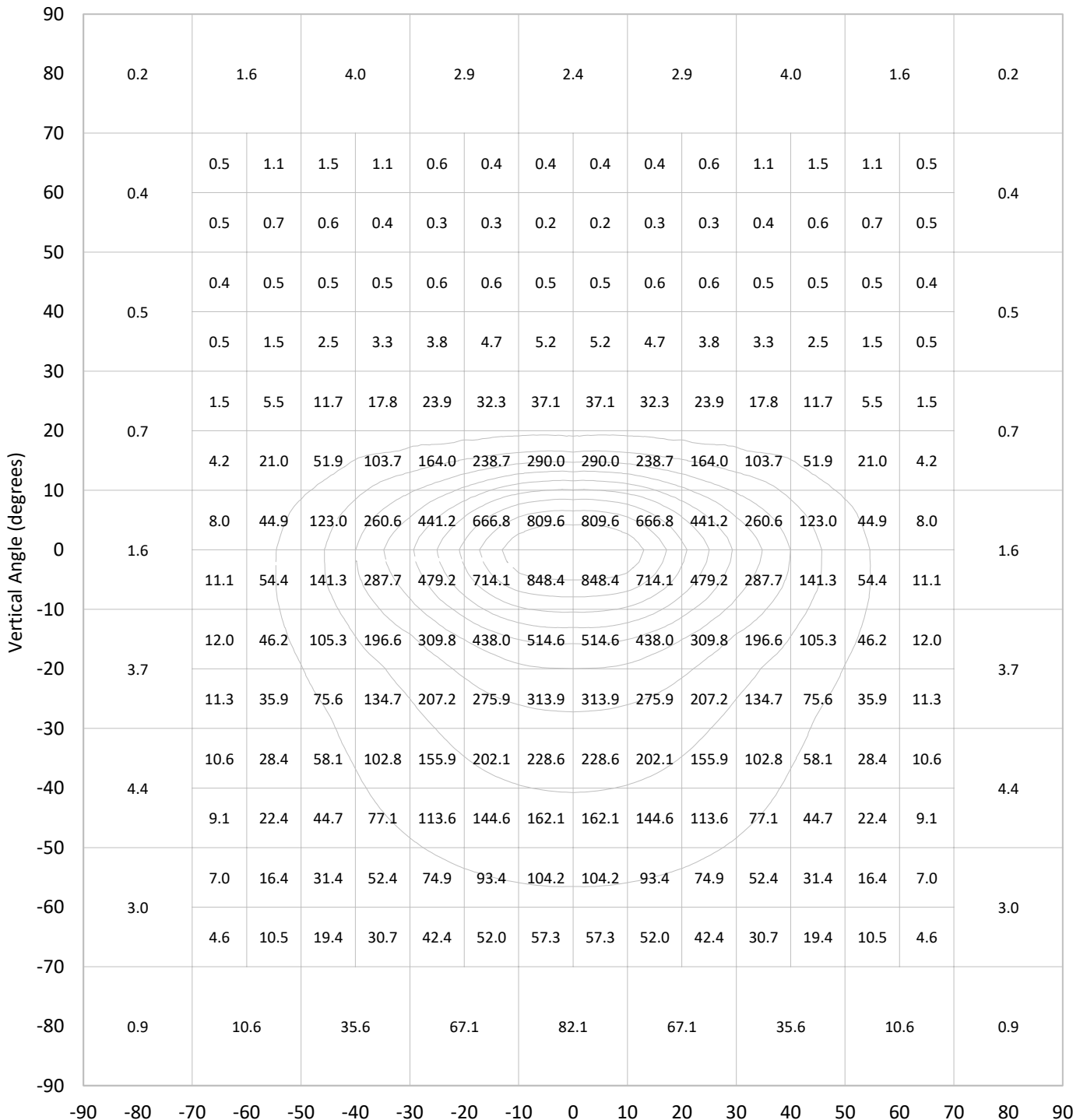
Iso-Candela Plot





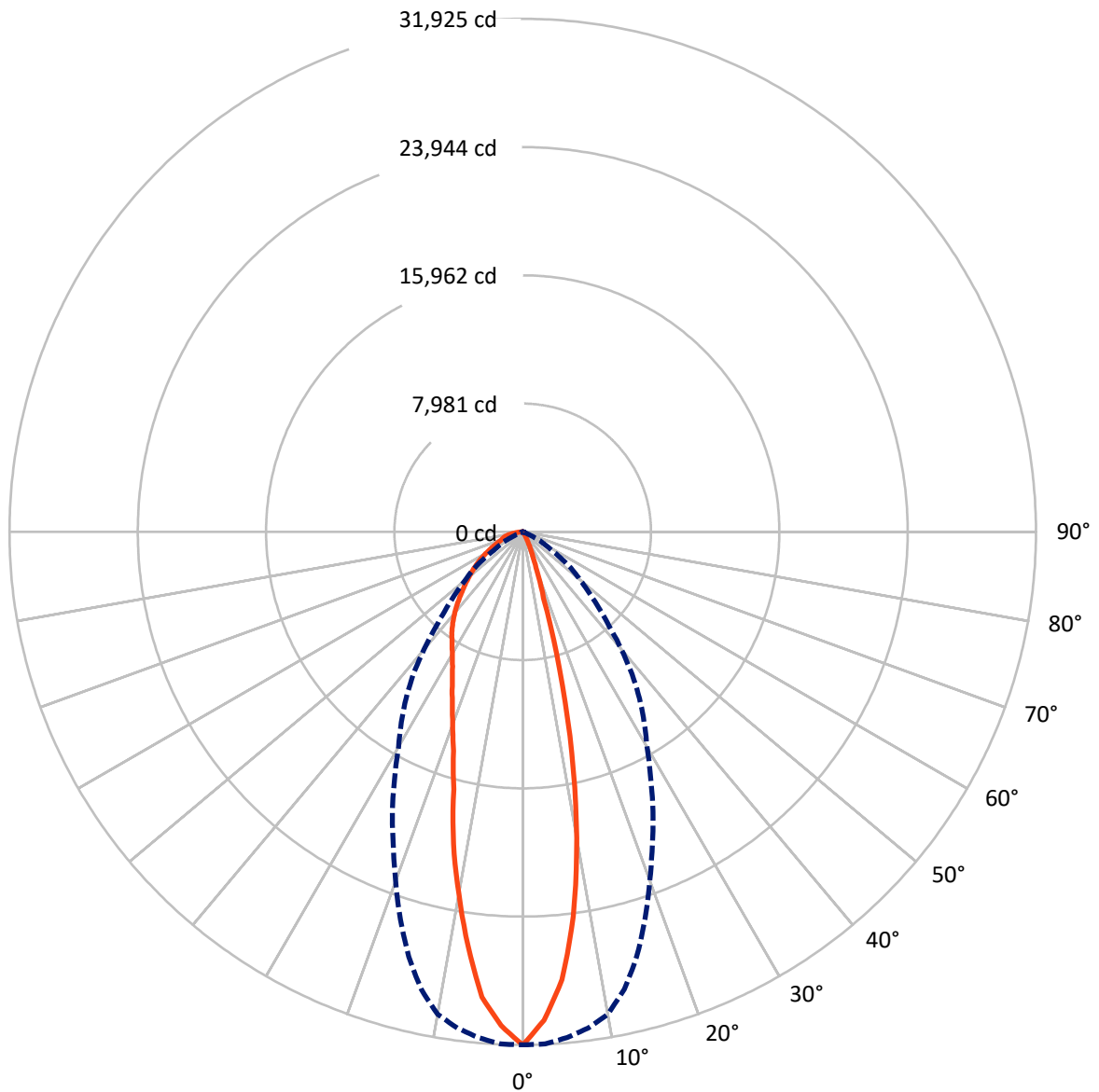
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Lumen Table



REPORT NUMBER: P701337 (CONVERTED FROM TYPE C PHOTOMETRY)
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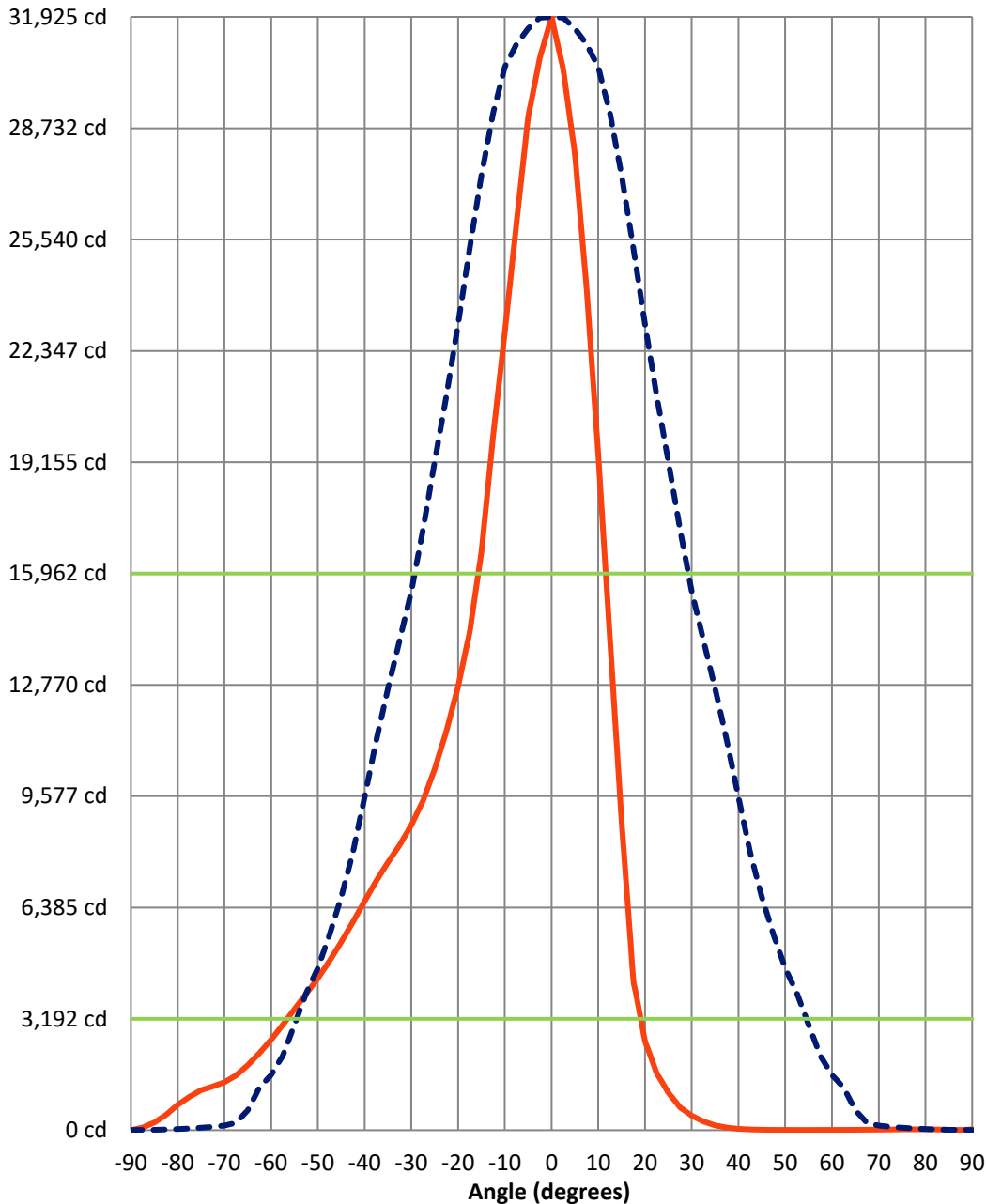
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 58.6°
 V Angle: 27.3°
 Lumens: 8537.5
 Efficiency: 39.7%

Field:
 H Angle: 109.1°
 V Angle: 75.6°
 Lumens: 18903.9
 Efficiency: 88.0%

Spill:
 Lumens: 2577.3
 Efficiency: 12.0%

— 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°	4.6	5.2	5.8	6.1	6.4	6.7	7.0	7.3	7.6	7.8	8.1
87.5°	4.6	4.8	5.1	5.5	5.9	6.4	7.0	7.1	7.2	7.2	7.1
85°	4.6	5.0	5.6	6.3	7.2	8.2	9.4	9.7	9.8	9.7	9.5
82.5°	4.6	5.2	6.1	7.2	8.5	10.0	11.8	12.2	12.5	13.4	15.0
80°	4.6	5.4	6.6	8.0	9.8	11.8	14.0	14.6	16.1	18.6	22.1
77.5°	4.6	5.6	7.1	8.9	11.0	13.2	15.1	16.8	19.6	23.7	27.8
75°	4.6	5.8	7.6	9.7	12.1	13.7	16.1	18.8	22.7	26.0	29.5
72.5°	4.6	6.0	8.0	10.5	12.3	14.3	17.1	20.5	23.8	27.4	31.1
70°	4.6	6.2	8.5	11.1	12.5	14.7	17.9	21.3	24.9	28.6	32.2
67.5°	4.6	6.3	8.9	11.1	12.6	15.1	18.6	22.0	25.8	29.5	33.3
65°	4.6	6.5	9.3	11.0	12.7	15.6	19.3	22.7	26.6	30.4	34.5
62.5°	4.6	6.7	9.7	10.9	12.7	16.3	19.9	23.3	27.3	31.3	36.5
60°	4.6	6.8	10.1	10.8	12.7	16.9	20.6	23.9	27.9	32.8	38.3
57.5°	4.6	7.0	10.0	10.7	13.2	17.5	21.3	24.5	28.9	34.2	39.0
55°	4.6	7.1	9.9	10.5	13.7	18.1	22.1	25.3	29.8	35.1	39.1
52.5°	4.6	7.3	9.8	10.3	14.2	18.7	23.0	26.4	30.7	35.1	39.1
50°	4.6	7.4	9.8	10.1	14.7	19.5	23.9	27.5	31.1	35.1	37.2
47.5°	4.6	7.5	9.7	9.9	15.2	20.3	24.8	28.6	31.0	35.0	35.3
45°	4.6	7.6	9.7	10.3	15.6	21.1	25.8	29.7	31.7	33.6	33.7
42.5°	4.6	7.8	9.7	10.6	16.0	21.9	26.7	30.7	32.6	32.4	32.1
40°	4.6	7.8	9.6	11.1	16.5	22.7	27.7	31.5	33.4	31.6	30.8
37.5°	4.6	7.9	9.6	11.7	17.1	23.5	28.6	32.4	34.0	32.4	29.6
35°	4.6	8.0	9.6	12.3	17.7	24.3	29.6	33.4	34.9	33.9	29.8
32.5°	4.6	8.1	9.7	12.9	18.3	25.0	30.4	34.4	36.0	36.1	35.7
30°	4.6	8.1	9.7	13.5	18.8	25.7	31.2	35.4	37.5	39.0	43.0
27.5°	4.6	8.2	9.7	14.2	20.0	26.3	32.0	36.5	39.4	42.6	51.7
25°	4.6	8.2	9.8	14.8	21.2	26.9	32.9	37.8	42.2	48.8	62.6
22.5°	4.6	8.2	9.8	15.4	22.5	27.9	33.7	39.1	45.4	56.6	98.1
20°	4.6	8.3	9.9	16.0	23.8	30.1	34.5	40.5	48.9	65.0	138.7
17.5°	4.6	8.3	10.0	16.5	25.0	32.4	37.5	42.0	52.7	73.9	183.2
15°	4.6	8.3	10.0	17.1	26.2	34.8	42.0	46.3	56.6	83.1	230.6
12.5°	4.6	8.3	10.1	17.6	27.4	37.2	46.7	54.1	65.7	92.5	279.5
10°	4.6	8.2	10.2	18.1	28.6	39.6	51.5	62.3	79.0	114.6	334.2
7.5°	4.6	8.2	10.2	18.6	29.6	42.0	56.5	70.6	92.5	138.8	399.4
5°	4.6	8.2	10.3	19.0	30.7	44.3	61.4	78.9	106.0	163.1	462.0
2.5°	4.6	8.1	10.3	19.4	31.6	46.6	66.2	87.1	119.3	187.0	520.4
0°	4.6	8.1	10.4	19.7	32.5	48.7	70.8	95.1	132.2	210.0	573.1
-2.5°	4.6	8.3	11.2	22.1	38.0	59.3	89.3	125.6	178.5	273.8	637.6
-5°	4.6	8.4	12.0	24.4	43.3	69.6	107.3	155.3	223.5	335.4	694.8
-7.5°	4.6	8.6	12.8	26.7	48.3	79.4	124.5	183.8	266.6	394.0	744.8
-10°	4.6	8.7	13.5	28.8	53.1	88.8	140.8	210.8	307.3	448.9	787.8
-12.5°	4.6	8.9	14.2	30.7	57.6	97.4	155.8	235.7	344.9	497.3	805.3
-15°	4.6	9.0	14.9	32.5	61.6	105.3	169.5	258.2	375.6	526.7	809.1
-17.5°	4.6	9.1	15.5	34.1	65.2	112.3	181.6	277.8	399.0	552.4	809.2
-20°	4.6	9.2	16.1	35.4	68.3	118.3	192.9	294.7	419.7	574.1	806.3



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 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.6	9.3	16.6	36.5	70.8	123.2	204.3	309.2	437.4	591.6	801.0
-25°	4.6	9.3	17.0	37.4	72.8	129.5	214.1	321.2	451.9	604.8	793.9
-27.5°	4.6	9.4	17.4	38.0	74.1	135.6	222.0	330.5	463.3	615.7	804.8
-30°	4.6	9.4	17.7	38.3	75.0	140.4	228.1	336.9	472.4	626.5	811.2
-32.5°	4.6	9.4	17.9	38.3	77.5	143.7	232.2	342.7	478.4	633.1	812.1
-35°	4.6	9.4	18.1	38.0	79.0	145.6	235.4	346.4	480.6	635.5	807.4
-37.5°	4.6	9.4	18.1	37.4	79.6	146.5	237.0	347.5	478.9	633.7	781.0
-40°	4.6	9.4	18.1	36.4	79.3	146.8	236.4	345.9	473.3	627.8	753.4
-42.5°	4.6	9.3	18.0	35.5	78.7	145.6	233.6	341.5	467.0	602.3	721.9
-45°	4.6	9.2	17.9	34.9	78.0	142.9	228.6	334.8	458.7	571.9	686.7
-47.5°	4.6	9.1	17.6	33.9	76.5	138.6	221.5	326.0	446.5	538.9	649.5
-50°	4.6	9.0	17.3	33.6	74.1	132.9	213.7	314.3	420.0	508.4	609.2
-52.5°	4.6	8.9	16.8	33.2	70.9	125.8	204.0	299.7	392.0	475.2	566.5
-55°	4.6	8.7	16.3	32.5	67.0	119.4	192.3	282.6	362.5	439.3	525.2
-57.5°	4.6	8.5	15.8	31.5	62.3	112.3	178.6	264.5	331.3	402.7	480.8
-60°	4.6	8.4	15.1	30.1	57.0	103.9	163.4	240.4	299.2	364.7	434.9
-62.5°	4.6	8.2	14.5	28.5	53.5	94.6	150.0	213.8	268.8	325.0	389.4
-65°	4.6	7.9	13.9	26.5	49.5	84.1	135.2	188.1	237.6	288.5	341.9
-67.5°	4.6	7.7	13.3	24.2	44.9	74.7	118.9	165.7	205.6	252.4	299.1
-70°	4.6	7.5	12.6	21.8	39.9	66.3	101.5	142.8	179.8	215.5	258.1
-72.5°	4.6	7.2	11.8	19.9	34.5	57.3	87.3	119.6	153.8	186.7	218.4
-75°	4.6	6.9	11.0	18.2	28.7	47.7	72.9	98.8	127.4	157.7	186.9
-77.5°	4.6	6.7	10.2	16.3	24.9	37.5	57.8	78.4	101.6	127.7	155.2
-80°	4.6	6.4	9.4	14.4	21.3	30.3	42.0	57.5	75.1	95.2	117.6
-82.5°	4.6	6.1	8.5	12.4	17.7	24.5	32.8	39.7	48.1	62.0	77.6
-85°	4.6	5.8	7.6	10.3	14.0	18.7	24.3	29.0	34.0	39.5	45.3
-87.5°	4.6	5.5	6.7	8.2	10.2	12.7	15.7	18.2	20.8	23.7	26.7
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6



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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°	8.4	8.7	9.0	9.3	10.2	11.1	11.9	12.8	14.3	15.7	17.2
87.5°	7.6	8.1	8.7	9.3	8.9	8.4	7.8	7.1	7.6	8.2	8.7
85°	10.5	11.6	13.1	14.3	14.2	14.3	14.5	14.9	15.8	16.7	17.3
82.5°	17.0	18.5	19.6	20.3	21.4	22.8	24.6	27.4	28.9	29.8	30.4
80°	24.3	25.6	26.6	28.6	32.0	36.0	40.4	45.0	46.6	46.7	46.3
77.5°	29.1	31.0	34.2	38.6	43.7	48.8	54.2	60.0	61.7	61.3	60.4
75°	32.3	36.1	40.8	46.7	53.0	59.5	66.3	72.6	74.3	72.5	70.0
72.5°	34.8	39.7	46.1	53.8	60.9	67.5	74.5	82.0	84.6	80.5	75.5
70°	36.5	42.8	50.4	58.6	66.7	73.8	80.4	87.6	91.6	84.8	74.8
67.5°	37.9	45.7	54.0	62.5	69.8	76.6	84.0	86.4	87.4	77.0	66.2
65°	40.0	48.4	56.0	63.4	71.2	73.5	75.1	76.7	75.1	63.2	51.5
62.5°	42.1	49.0	56.3	62.0	63.9	65.1	63.7	60.6	56.5	48.3	38.7
60°	42.7	48.8	53.5	55.3	55.8	53.4	49.8	46.0	41.7	34.9	28.3
57.5°	43.0	46.1	47.9	48.2	46.0	42.1	38.6	33.8	30.1	25.8	20.5
55°	41.9	41.3	42.2	40.7	37.5	33.5	29.2	25.9	21.6	19.1	16.0
52.5°	39.1	37.4	36.6	34.3	30.7	27.0	23.5	20.4	17.9	15.1	13.1
50°	36.5	34.3	31.9	29.0	26.3	23.8	19.9	17.6	15.5	13.4	11.6
47.5°	34.1	31.5	27.9	25.5	25.2	23.7	19.9	16.4	14.5	14.5	12.9
45°	32.0	29.8	25.7	26.1	26.8	26.8	24.1	16.1	17.9	18.3	17.4
42.5°	30.2	29.3	30.5	27.7	32.1	34.5	32.4	27.0	24.0	26.6	27.7
40°	30.4	30.0	40.1	39.8	40.4	46.7	49.8	45.9	35.3	41.9	44.9
37.5°	31.6	42.1	54.7	58.8	55.2	65.9	72.4	76.8	68.5	63.1	72.5
35°	33.6	57.3	76.1	84.9	85.4	91.6	108.4	115.3	109.8	101.3	108.8
32.5°	43.9	75.5	101.4	116.3	130.1	136.4	151.4	158.6	164.6	164.6	161.4
30°	65.7	99.5	130.7	151.1	184.2	214.2	207.7	209.3	231.4	254.0	265.0
27.5°	102.8	129.2	163.4	200.3	250.7	309.2	319.7	290.1	320.2	362.0	399.0
25°	149.6	219.0	198.3	258.9	342.9	424.0	467.2	487.7	446.4	507.2	594.8
22.5°	214.3	332.9	334.0	322.7	446.5	559.9	666.2	767.9	820.6	754.5	845.7
20°	301.5	454.7	503.8	558.2	601.5	714.4	897.8	1119.9	1323.3	1438.4	1385.6
17.5°	401.6	587.7	700.3	846.1	990.1	1051.7	1168.5	1532.2	1927.1	2263.2	2443.9
15°	511.9	729.7	912.8	1163.5	1422.5	1617.7	1820.1	2132.6	2653.8	3228.9	3689.2
12.5°	629.1	878.5	1137.4	1503.8	1888.5	2209.6	2570.4	3045.6	3646.9	4364.2	5114.1
10°	749.9	1031.3	1369.6	1859.3	2378.3	2819.1	3335.4	3958.7	4726.5	5620.3	6562.7
7.5°	877.9	1180.8	1598.5	2221.7	2880.9	3437.2	4104.8	4863.3	5795.0	6857.4	7993.6
5°	1001.9	1321.9	1789.3	2513.1	3288.8	3958.9	4805.7	5747.0	6839.5	8061.5	9400.5
2.5°	1117.4	1457.1	1970.0	2779.8	3619.9	4315.5	5222.2	6234.3	7466.6	8907.5	10456.1
0°	1221.5	1584.6	2138.0	3025.4	3925.7	4647.2	5604.3	6680.8	7965.0	9546.2	11173.7
-2.5°	1266.6	1651.2	2213.7	3062.0	3918.1	4653.2	5574.1	6672.3	7910.8	9418.3	11014.7
-5°	1298.5	1707.3	2273.4	3075.3	3885.2	4631.5	5509.8	6613.3	7738.6	9079.5	10509.7
-7.5°	1318.7	1752.0	2316.5	3052.8	3777.9	4461.4	5225.4	6165.4	7191.4	8385.0	9644.2
-10°	1322.9	1747.2	2251.8	2905.8	3569.5	4196.2	4877.0	5693.3	6610.7	7654.6	8749.3
-12.5°	1281.8	1698.9	2160.7	2748.3	3353.7	3920.7	4516.8	5210.3	6005.4	6902.8	7872.0
-15°	1237.2	1644.1	2062.7	2584.2	3135.8	3639.6	4151.1	4726.2	5431.6	6249.1	7085.0
-17.5°	1191.4	1583.9	1959.9	2417.1	2920.7	3357.2	3804.9	4351.2	4983.2	5672.2	6352.5
-20°	1146.5	1519.2	1854.2	2250.2	2711.7	3123.8	3560.5	4040.5	4571.1	5132.5	5673.4



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 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1104.2	1450.8	1756.5	2110.3	2532.2	2927.3	3317.3	3729.7	4169.1	4623.7	5194.4
-25°	1075.9	1385.1	1671.2	1999.3	2363.6	2728.3	3072.3	3426.8	3805.0	4307.8	4836.5
-27.5°	1058.3	1329.1	1596.3	1887.8	2202.2	2531.9	2843.2	3156.0	3577.6	4030.0	4497.9
-30°	1041.0	1273.5	1518.2	1782.4	2068.6	2354.6	2622.7	2976.0	3369.1	3783.0	4199.1
-32.5°	1008.1	1215.1	1447.1	1691.6	1944.5	2192.1	2472.0	2819.5	3180.1	3544.0	3919.5
-35°	967.3	1163.5	1377.3	1599.3	1826.0	2071.0	2354.7	2660.6	2991.9	3330.4	3701.0
-37.5°	931.7	1107.4	1305.0	1512.0	1724.4	1965.6	2226.5	2512.3	2814.2	3130.8	3484.6
-40°	892.2	1047.0	1236.5	1430.6	1630.1	1855.5	2101.2	2360.9	2638.8	2941.5	3259.1
-42.5°	849.9	998.9	1166.0	1347.0	1536.7	1742.9	1966.1	2210.3	2469.5	2745.1	3036.0
-45°	810.5	947.2	1094.2	1263.3	1438.8	1626.3	1833.3	2052.5	2298.2	2551.9	2813.9
-47.5°	766.8	893.3	1032.5	1174.0	1338.4	1511.2	1694.7	1902.1	2119.2	2354.8	2596.7
-50°	719.7	839.7	962.3	1091.8	1235.5	1393.5	1561.1	1747.7	1948.7	2154.5	2372.1
-52.5°	671.2	781.5	892.4	1007.8	1136.1	1276.4	1428.8	1593.9	1774.8	1963.5	2151.3
-55°	619.6	721.4	820.1	924.9	1036.8	1161.8	1296.4	1443.6	1595.3	1767.2	1932.7
-57.5°	567.4	657.0	746.7	841.9	941.6	1046.3	1168.9	1293.6	1430.4	1571.7	1709.5
-60°	513.4	591.6	671.4	757.4	847.4	942.3	1042.1	1153.4	1269.3	1383.6	1505.0
-62.5°	457.3	526.3	596.6	670.2	751.1	836.6	925.7	1018.6	1114.1	1213.5	1311.6
-65°	403.2	461.7	523.0	587.5	652.3	730.6	809.6	887.6	971.2	1051.7	1130.3
-67.5°	348.2	403.6	455.2	505.5	565.3	632.5	694.5	765.2	835.2	901.4	965.5
-70°	302.5	346.9	394.3	439.8	486.9	544.1	604.9	661.2	714.1	769.6	829.6
-72.5°	258.6	301.5	341.1	377.4	425.1	478.6	528.6	575.0	625.5	678.2	726.8
-75°	218.4	255.8	294.4	330.2	369.9	416.6	466.9	514.2	557.1	599.8	644.0
-77.5°	179.6	207.8	240.3	277.0	316.4	352.8	392.5	435.3	475.4	516.1	559.3
-80°	137.9	158.0	180.1	205.5	234.8	266.9	301.3	337.9	369.9	399.4	428.5
-82.5°	92.8	108.1	123.6	139.2	155.5	172.8	191.8	215.1	235.9	256.8	278.0
-85°	51.4	57.8	68.4	79.1	88.2	97.8	108.0	118.6	128.4	138.1	147.6
-87.5°	29.9	33.3	36.9	40.5	43.0	45.3	47.6	49.7	52.5	55.2	57.8
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	18.6	18.9	19.2	19.4	19.7	20.6	21.5	22.3	23.2	22.9	22.6
87.5°	9.3	9.2	9.1	8.9	8.8	9.6	10.6	11.5	12.4	11.4	10.3
85°	17.8	17.9	17.9	17.9	17.8	19.0	20.2	21.3	22.5	20.8	18.9
82.5°	30.6	30.0	29.0	27.5	25.7	25.3	24.8	24.1	23.2	22.3	21.4
80°	45.4	43.3	40.4	37.2	33.5	31.6	29.7	27.7	25.4	24.7	24.2
77.5°	58.5	54.6	49.8	44.6	39.1	35.7	32.9	29.9	26.9	26.3	26.0
75°	66.9	61.8	54.8	47.6	40.1	35.4	32.0	28.7	25.5	24.5	24.1
72.5°	69.5	62.4	54.2	45.1	36.4	30.8	27.7	24.9	22.3	21.3	20.7
70°	65.0	55.5	46.5	37.8	29.7	24.6	22.4	20.5	18.8	18.1	17.8
67.5°	54.9	45.0	36.5	29.2	23.4	19.6	18.4	17.2	16.2	15.5	15.0
65°	41.8	34.0	27.8	22.9	19.2	16.9	15.9	14.9	14.0	13.2	12.7
62.5°	30.7	25.0	21.4	18.6	16.4	14.9	13.9	13.1	12.4	11.8	11.4
60°	23.1	19.2	17.0	15.2	13.8	12.9	12.3	11.7	11.2	10.7	10.2
57.5°	17.6	15.3	13.6	12.8	12.2	11.7	11.2	10.7	10.1	9.6	9.2
55°	13.9	12.7	11.8	11.5	11.3	10.8	10.3	9.8	9.3	8.6	8.1
52.5°	11.7	11.6	11.6	11.4	11.1	10.7	10.3	9.6	8.9	8.2	7.8
50°	11.6	11.7	11.7	11.5	11.2	10.8	10.4	9.9	9.5	9.0	8.7
47.5°	12.1	12.2	12.9	11.8	11.6	11.9	11.7	11.3	11.1	10.9	10.6
45°	14.2	16.6	17.2	16.3	14.4	16.0	15.4	13.6	14.7	14.6	13.7
42.5°	25.2	27.8	29.9	28.6	24.5	25.8	25.9	23.1	23.9	23.9	22.9
40°	48.1	47.1	50.5	49.1	44.7	43.1	45.0	41.8	41.2	42.7	40.8
37.5°	79.2	79.7	78.2	78.4	76.8	72.5	75.1	74.2	71.5	76.6	77.2
35°	123.8	127.6	115.5	120.3	122.4	117.7	120.7	129.1	123.7	135.4	138.5
32.5°	183.6	191.5	185.8	180.3	189.4	196.7	200.1	218.0	222.8	233.3	245.8
30°	257.2	277.9	294.2	284.0	282.9	308.6	323.4	347.5	370.8	384.7	410.3
27.5°	410.5	404.1	443.0	454.4	428.9	470.0	525.7	536.3	607.3	613.0	662.8
25°	648.8	645.4	657.1	713.5	727.8	748.4	844.0	894.4	975.9	1020.0	1058.1
22.5°	968.7	1059.2	1074.6	1048.7	1172.5	1253.4	1280.2	1425.5	1492.0	1591.2	1621.0
20°	1368.9	1579.3	1844.9	1849.1	1798.2	2031.3	2127.9	2204.3	2366.8	2479.9	2556.7
17.5°	2418.1	2416.5	2959.1	3258.9	3225.0	3392.9	3867.8	3818.9	4202.6	4435.2	4445.0
15°	3957.9	4244.9	4589.2	5133.0	5595.8	5968.9	6419.9	7009.1	7486.2	8046.7	8472.2
12.5°	5719.4	6284.6	6874.0	7494.3	8220.7	9045.6	9942.7	10728.1	11662.3	12479.9	13325.3
10°	7484.4	8379.6	9211.4	10138.5	11170.9	12269.6	13585.3	14734.8	16116.9	17329.0	18125.8
7.5°	9102.9	10176.7	11301.0	12648.5	14089.5	15469.2	16958.7	18571.0	20187.9	21588.4	22777.6
5°	10684.8	11891.9	13138.0	14622.4	16269.2	17998.0	19841.1	21748.0	23442.1	25037.5	26426.1
2.5°	11925.7	13308.5	14732.1	16410.6	18182.4	19934.4	21779.4	23832.2	25802.5	27668.4	29094.9
0°	12663.3	14050.7	15447.4	17225.8	19171.2	21054.0	23110.8	25296.3	27376.3	29160.5	30483.0
-2.5°	12369.5	13720.8	15132.2	16889.1	18763.4	20517.6	22482.8	24600.0	26614.5	28421.4	29794.0
-5°	11705.1	12917.6	14211.3	15835.8	17589.2	19332.2	21258.8	23272.8	25010.7	26614.6	27845.2
-7.5°	10771.0	11889.6	13096.1	14600.1	16212.5	17734.6	19309.4	20934.3	22515.8	23887.5	24900.1
-10°	9778.9	10791.5	11830.1	13036.2	14410.4	15738.9	17067.6	18549.7	19853.1	20985.6	21820.6
-12.5°	8784.0	9615.8	10435.2	11357.5	12536.7	13732.2	14881.4	16124.1	17162.3	18096.6	18839.5
-15°	7829.0	8476.6	9098.3	9991.0	11029.3	11912.3	12619.5	13745.0	14449.8	15280.3	15799.7
-17.5°	6941.4	7458.4	8214.0	8981.4	9722.2	10447.8	11263.8	11930.2	12621.9	13300.3	13746.6
-20°	6243.0	6882.5	7521.2	8145.2	8781.7	9474.3	10120.2	10749.9	11352.8	11874.1	12232.0



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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°	5788.4	6356.1	6893.7	7455.3	8075.2	8656.9	9202.6	9782.5	10298.0	10687.2	10978.4
-25°	5351.8	5845.6	6368.6	6930.4	7455.0	7944.6	8447.1	8894.7	9334.6	9658.7	9931.2
-27.5°	4958.4	5426.8	5942.1	6440.0	6907.6	7365.2	7792.2	8163.0	8529.5	8788.7	9059.6
-30°	4616.1	5090.5	5559.2	6001.9	6441.1	6855.6	7232.2	7584.2	7891.7	8144.2	8371.3
-32.5°	4357.6	4787.8	5205.2	5619.3	6035.5	6417.7	6747.3	7085.5	7368.4	7610.5	7816.2
-35°	4101.9	4506.5	4892.3	5271.8	5654.9	6023.3	6342.5	6636.9	6915.4	7132.1	7320.5
-37.5°	3852.7	4229.9	4586.8	4928.1	5278.7	5618.4	5909.5	6186.1	6435.0	6635.2	6814.0
-40°	3601.6	3947.1	4266.3	4584.2	4899.2	5183.8	5457.4	5712.2	5925.5	6110.1	6272.8
-42.5°	3342.1	3646.4	3934.2	4225.3	4512.9	4764.8	5006.3	5235.2	5416.7	5580.3	5721.2
-45°	3081.7	3349.4	3613.2	3874.6	4111.4	4343.9	4562.8	4756.0	4919.7	5064.6	5186.8
-47.5°	2831.0	3058.6	3299.9	3538.3	3741.7	3940.8	4132.2	4296.1	4438.2	4564.9	4672.5
-50°	2580.6	2783.6	2994.1	3198.7	3385.2	3559.9	3720.4	3863.6	3993.1	4102.6	4194.8
-52.5°	2332.6	2521.1	2701.1	2867.5	3036.9	3197.5	3346.8	3472.0	3585.5	3686.8	3768.1
-55°	2095.9	2262.6	2430.8	2572.5	2709.4	2843.2	2967.5	3079.4	3182.2	3275.3	3348.2
-57.5°	1857.0	2002.4	2143.0	2270.1	2392.9	2511.0	2611.7	2699.3	2781.4	2856.6	2920.9
-60°	1626.5	1747.7	1866.5	1972.5	2074.9	2173.1	2258.9	2333.5	2399.6	2457.9	2510.5
-62.5°	1410.2	1514.3	1608.9	1694.5	1774.6	1854.7	1927.8	1992.3	2048.3	2096.3	2137.5
-65°	1211.2	1297.3	1373.1	1443.9	1510.4	1577.9	1636.7	1689.6	1736.8	1776.4	1808.1
-67.5°	1034.3	1101.7	1164.7	1219.6	1276.2	1333.6	1386.8	1433.2	1473.2	1504.8	1529.5
-70°	885.2	939.7	996.2	1051.0	1104.8	1154.1	1200.1	1241.1	1277.7	1304.9	1326.7
-72.5°	771.3	817.3	869.4	924.7	975.8	1024.8	1071.6	1115.0	1155.5	1181.4	1201.7
-75°	689.5	737.0	783.6	829.6	875.0	918.1	961.6	1006.0	1050.8	1077.2	1098.4
-77.5°	599.1	632.4	667.1	704.6	744.6	783.3	821.2	858.6	895.2	913.6	927.6
-80°	459.3	485.9	512.0	538.4	564.9	592.2	619.6	646.9	673.7	686.1	695.4
-82.5°	299.4	317.6	335.0	351.7	367.7	381.3	394.0	405.9	416.8	422.2	425.9
-85°	156.8	164.8	172.4	179.6	186.3	190.5	194.1	197.1	199.6	203.0	205.8
-87.5°	60.4	62.6	64.8	67.0	69.1	70.1	71.0	71.8	72.5	73.6	74.6
-90°	4.6	4.3	4.1	3.8	3.5	3.2	2.9	2.6	2.3	2.3	2.3



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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°	22.3	22.0	22.6	23.2	22.6	22.0	22.3	22.6	22.9	23.2	22.3
87.5°	9.2	8.1	7.5	7.0	7.5	8.1	9.2	10.3	11.4	12.4	11.5
85°	17.0	15.1	13.9	12.8	13.9	15.1	17.0	18.9	20.8	22.5	21.3
82.5°	20.5	19.7	19.7	19.7	19.7	19.7	20.5	21.4	22.3	23.2	24.1
80°	23.7	23.2	23.2	23.2	23.2	23.2	23.7	24.2	24.7	25.4	27.7
77.5°	25.7	25.5	25.0	24.4	25.0	25.5	25.7	26.0	26.3	26.9	29.9
75°	23.7	23.3	23.2	23.2	23.2	23.3	23.7	24.1	24.5	25.5	28.7
72.5°	20.3	19.8	19.7	19.7	19.7	19.8	20.3	20.7	21.3	22.3	24.9
70°	17.6	17.5	16.9	16.2	16.9	17.5	17.6	17.8	18.1	18.8	20.5
67.5°	14.5	14.1	13.9	13.9	13.9	14.1	14.5	15.0	15.5	16.2	17.2
65°	12.2	11.8	11.6	11.6	11.6	11.8	12.2	12.7	13.2	14.0	14.9
62.5°	10.9	10.5	9.9	9.3	9.9	10.5	10.9	11.4	11.8	12.4	13.1
60°	9.8	9.4	8.8	8.1	8.8	9.4	9.8	10.2	10.7	11.2	11.7
57.5°	8.7	8.3	8.1	8.1	8.1	8.3	8.7	9.2	9.6	10.1	10.7
55°	7.6	7.2	7.0	7.0	7.0	7.2	7.6	8.1	8.6	9.3	9.8
52.5°	7.5	7.1	7.0	7.0	7.0	7.1	7.5	7.8	8.2	8.9	9.6
50°	8.5	8.2	8.1	8.1	8.1	8.2	8.5	8.7	9.0	9.5	9.9
47.5°	10.2	9.6	9.3	9.3	9.3	9.6	10.2	10.6	10.9	11.1	11.3
45°	13.4	13.0	12.7	12.8	12.7	13.0	13.4	13.7	14.6	14.7	13.6
42.5°	23.1	22.4	21.5	20.9	21.5	22.4	23.1	22.9	23.9	23.9	23.1
40°	40.9	40.1	38.7	38.3	38.7	40.1	40.9	40.8	42.7	41.2	41.8
37.5°	78.2	77.6	75.1	74.2	75.1	77.6	78.2	77.2	76.6	71.5	74.2
35°	138.2	139.3	137.0	136.9	137.0	139.3	138.2	138.5	135.4	123.7	129.1
32.5°	250.0	252.7	245.6	249.4	245.6	252.7	250.0	245.8	233.3	222.8	218.0
30°	409.5	418.7	414.6	416.5	414.6	418.7	409.5	410.3	384.7	370.8	347.5
27.5°	667.6	674.4	660.3	655.4	660.3	674.4	667.6	662.8	613.0	607.3	536.3
25°	1079.5	1083.8	1070.0	1075.4	1070.0	1083.8	1079.5	1058.1	1020.0	975.9	894.4
22.5°	1681.6	1665.5	1650.3	1635.7	1650.3	1665.5	1681.6	1621.0	1591.2	1492.0	1425.5
20°	2628.0	2590.8	2585.9	2557.9	2585.9	2590.8	2628.0	2556.7	2479.9	2366.8	2204.3
17.5°	4682.3	4749.6	4600.1	4310.8	4600.1	4749.6	4682.3	4445.0	4435.2	4202.6	3818.9
15°	8722.8	9039.3	9175.3	8843.2	9175.3	9039.3	8722.8	8472.2	8046.7	7486.2	7009.1
12.5°	13792.0	14014.9	14284.8	14087.8	14284.8	14014.9	13792.0	13325.3	12479.9	11662.3	10728.1
10°	18810.3	19143.9	19552.5	19368.4	19552.5	19143.9	18810.3	18125.8	17329.0	16116.9	14734.8
7.5°	23432.1	24007.0	24366.0	24135.1	24366.0	24007.0	23432.1	22777.6	21588.4	20187.9	18571.0
5°	27376.5	27831.0	28047.4	27987.7	28047.4	27831.0	27376.5	26426.1	25037.5	23442.1	21748.0
2.5°	29906.1	30385.8	30579.7	30418.6	30579.7	30385.8	29906.1	29094.9	27668.4	25802.5	23832.2
0°	31142.4	31592.0	31900.6	31924.9	31900.6	31592.0	31142.4	30483.0	29160.5	27376.3	25296.3
-2.5°	30428.0	30701.1	30848.7	30750.4	30848.7	30701.1	30428.0	29794.0	28421.4	26614.5	24600.0
-5°	28556.7	28845.5	28939.3	29053.8	28939.3	28845.5	28556.7	27845.2	26614.6	25010.7	23272.8
-7.5°	25469.6	25786.5	26020.2	26010.4	26020.2	25786.5	25469.6	24900.1	23887.5	22515.8	20934.3
-10°	22441.6	22677.1	22920.9	22879.9	22920.9	22677.1	22441.6	21820.6	20985.6	19853.1	18549.7
-12.5°	19440.8	19833.6	19929.0	19900.4	19929.0	19833.6	19440.8	18839.5	18096.6	17162.3	16124.1
-15°	16390.9	16682.0	16658.1	16580.8	16658.1	16682.0	16390.9	15799.7	15280.3	14449.8	13745.0
-17.5°	14132.9	14293.4	14354.8	14294.3	14354.8	14293.4	14132.9	13746.6	13300.3	12621.9	11930.2
-20°	12526.2	12650.2	12692.0	12720.1	12692.0	12650.2	12526.2	12232.0	11874.1	11352.8	10749.9



REPORT NUMBER: P701337 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11229.1	11355.8	11392.5	11440.5	11392.5	11355.8	11229.1	10978.4	10687.2	10298.0	9782.5
-25°	10141.4	10265.2	10307.0	10354.7	10307.0	10265.2	10141.4	9931.2	9658.7	9334.6	8894.7
-27.5°	9241.3	9362.2	9412.5	9448.7	9412.5	9362.2	9241.3	9059.6	8788.7	8529.5	8163.0
-30°	8532.6	8651.6	8723.5	8746.9	8723.5	8651.6	8532.6	8371.3	8144.2	7891.7	7584.2
-32.5°	7970.2	8074.2	8141.8	8176.1	8141.8	8074.2	7970.2	7816.2	7610.5	7368.4	7085.5
-35°	7469.4	7573.7	7644.0	7679.6	7644.0	7573.7	7469.4	7320.5	7132.1	6915.4	6636.9
-37.5°	6957.3	7070.8	7145.2	7147.2	7145.2	7070.8	6957.3	6814.0	6635.2	6435.0	6186.1
-40°	6392.2	6482.3	6541.3	6564.8	6541.3	6482.3	6392.2	6272.8	6110.1	5925.5	5712.2
-42.5°	5825.5	5902.0	5949.8	5969.7	5949.8	5902.0	5825.5	5721.2	5580.3	5416.7	5235.2
-45°	5284.4	5361.5	5401.4	5395.5	5401.4	5361.5	5284.4	5186.8	5064.6	4919.7	4756.0
-47.5°	4755.1	4814.8	4847.5	4854.9	4847.5	4814.8	4755.1	4672.5	4564.9	4438.2	4296.1
-50°	4273.2	4336.6	4363.7	4356.0	4363.7	4336.6	4273.2	4194.8	4102.6	3993.1	3863.6
-52.5°	3835.1	3888.9	3912.3	3909.4	3912.3	3888.9	3835.1	3768.1	3686.8	3585.5	3472.0
-55°	3407.8	3454.3	3472.9	3469.8	3472.9	3454.3	3407.8	3348.2	3275.3	3182.2	3079.4
-57.5°	2974.2	3016.2	3028.6	3020.8	3028.6	3016.2	2974.2	2920.9	2856.6	2781.4	2699.3
-60°	2554.3	2588.8	2599.5	2595.1	2599.5	2588.8	2554.3	2510.5	2457.9	2399.6	2333.5
-62.5°	2171.6	2198.3	2209.2	2209.9	2209.2	2198.3	2171.6	2137.5	2096.3	2048.3	1992.3
-65°	1833.9	1853.7	1862.5	1864.2	1862.5	1853.7	1833.9	1808.1	1776.4	1736.8	1689.6
-67.5°	1549.3	1564.7	1570.1	1570.7	1570.1	1564.7	1549.3	1529.5	1504.8	1473.2	1433.2
-70°	1346.2	1363.4	1370.6	1374.7	1370.6	1363.4	1346.2	1326.7	1304.9	1277.7	1241.1
-72.5°	1220.7	1238.3	1246.7	1252.9	1246.7	1238.3	1220.7	1201.7	1181.4	1155.5	1115.0
-75°	1118.6	1137.4	1143.2	1146.1	1143.2	1137.4	1118.6	1098.4	1077.2	1050.8	1006.0
-77.5°	939.7	949.8	953.6	954.7	953.6	949.8	939.7	927.6	913.6	895.2	858.6
-80°	702.7	708.0	718.1	726.2	718.1	708.0	702.7	695.4	686.1	673.7	646.9
-82.5°	428.1	429.0	434.9	439.7	434.9	429.0	428.1	425.9	422.2	416.8	405.9
-85°	208.2	210.1	214.9	219.3	214.9	210.1	208.2	205.8	203.0	199.6	197.1
-87.5°	75.5	76.4	75.9	75.4	75.9	76.4	75.5	74.6	73.6	72.5	71.8
-90°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.6



REPORT NUMBER: P701337 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	21.5	20.6	19.7	19.4	19.2	18.9	18.6	17.2	15.7	14.3	12.8
87.5°	10.6	9.6	8.8	8.9	9.1	9.2	9.3	8.7	8.2	7.6	7.1
85°	20.2	19.0	17.8	17.9	17.9	17.9	17.8	17.3	16.7	15.8	14.9
82.5°	24.8	25.3	25.7	27.5	29.0	30.0	30.6	30.4	29.8	28.9	27.4
80°	29.7	31.6	33.5	37.2	40.4	43.3	45.4	46.3	46.7	46.6	45.0
77.5°	32.9	35.7	39.1	44.6	49.8	54.6	58.5	60.4	61.3	61.7	60.0
75°	32.0	35.4	40.1	47.6	54.8	61.8	66.9	70.0	72.5	74.3	72.6
72.5°	27.7	30.8	36.4	45.1	54.2	62.4	69.5	75.5	80.5	84.6	82.0
70°	22.4	24.6	29.7	37.8	46.5	55.5	65.0	74.8	84.8	91.6	87.6
67.5°	18.4	19.6	23.4	29.2	36.5	45.0	54.9	66.2	77.0	87.4	86.4
65°	15.9	16.9	19.2	22.9	27.8	34.0	41.8	51.5	63.2	75.1	76.7
62.5°	13.9	14.9	16.4	18.6	21.4	25.0	30.7	38.7	48.3	56.5	60.6
60°	12.3	12.9	13.8	15.2	17.0	19.2	23.1	28.3	34.9	41.7	46.0
57.5°	11.2	11.7	12.2	12.8	13.6	15.3	17.6	20.5	25.8	30.1	33.8
55°	10.3	10.8	11.3	11.5	11.8	12.7	13.9	16.0	19.1	21.6	25.9
52.5°	10.3	10.7	11.1	11.4	11.6	11.6	11.7	13.1	15.1	17.9	20.4
50°	10.4	10.8	11.2	11.5	11.7	11.7	11.6	11.6	13.4	15.5	17.6
47.5°	11.7	11.9	11.6	11.8	12.9	12.2	12.1	12.9	14.5	14.5	16.4
45°	15.4	16.0	14.4	16.3	17.2	16.6	14.2	17.4	18.3	17.9	16.1
42.5°	25.9	25.8	24.5	28.6	29.9	27.8	25.2	27.7	26.6	24.0	27.0
40°	45.0	43.1	44.7	49.1	50.5	47.1	48.1	44.9	41.9	35.3	45.9
37.5°	75.1	72.5	76.8	78.4	78.2	79.7	79.2	72.5	63.1	68.5	76.8
35°	120.7	117.7	122.4	120.3	115.5	127.6	123.8	108.8	101.3	109.8	115.3
32.5°	200.1	196.7	189.4	180.3	185.8	191.5	183.6	161.4	164.6	164.6	158.6
30°	323.4	308.6	282.9	284.0	294.2	277.9	257.2	265.0	254.0	231.4	209.3
27.5°	525.7	470.0	428.9	454.4	443.0	404.1	410.5	399.0	362.0	320.2	290.1
25°	844.0	748.4	727.8	713.5	657.1	645.4	648.8	594.8	507.2	446.4	487.7
22.5°	1280.2	1253.4	1172.5	1048.7	1074.6	1059.2	968.7	845.7	754.5	820.6	767.9
20°	2127.9	2031.3	1798.2	1849.1	1844.9	1579.3	1368.9	1385.6	1438.4	1323.3	1119.9
17.5°	3867.8	3392.9	3225.0	3258.9	2959.1	2416.5	2418.1	2443.9	2263.2	1927.1	1532.2
15°	6419.9	5968.9	5595.8	5133.0	4589.2	4244.9	3957.9	3689.2	3228.9	2653.8	2132.6
12.5°	9942.7	9045.6	8220.7	7494.3	6874.0	6284.6	5719.4	5114.1	4364.2	3646.9	3045.6
10°	13585.3	12269.6	11170.9	10138.5	9211.4	8379.6	7484.4	6562.7	5620.3	4726.5	3958.7
7.5°	16958.7	15469.2	14089.5	12648.5	11301.0	10176.7	9102.9	7993.6	6857.4	5795.0	4863.3
5°	19841.1	17998.0	16269.2	14622.4	13138.0	11891.9	10684.8	9400.5	8061.5	6839.5	5747.0
2.5°	21779.4	19934.4	18182.4	16410.6	14732.1	13308.5	11925.7	10456.1	8907.5	7466.6	6234.3
0°	23110.8	21054.0	19171.2	17225.8	15447.4	14050.7	12663.3	11173.7	9546.2	7965.0	6680.8
-2.5°	22482.8	20517.6	18763.4	16889.1	15132.2	13720.8	12369.5	11014.7	9418.3	7910.8	6672.3
-5°	21258.8	19332.2	17589.2	15835.8	14211.3	12917.6	11705.1	10509.7	9079.5	7738.6	6613.3
-7.5°	19309.4	17734.6	16212.5	14600.1	13096.1	11889.6	10771.0	9644.2	8385.0	7191.4	6165.4
-10°	17067.6	15738.9	14410.4	13036.2	11830.1	10791.5	9778.9	8749.3	7654.6	6610.7	5693.3
-12.5°	14881.4	13732.2	12536.7	11357.5	10435.2	9615.8	8784.0	7872.0	6902.8	6005.4	5210.3
-15°	12619.5	11912.3	11029.3	9991.0	9098.3	8476.6	7829.0	7085.0	6249.1	5431.6	4726.2
-17.5°	11263.8	10447.8	9722.2	8981.4	8214.0	7458.4	6941.4	6352.5	5672.2	4983.2	4351.2
-20°	10120.2	9474.3	8781.7	8145.2	7521.2	6882.5	6243.0	5673.4	5132.5	4571.1	4040.5



REPORT NUMBER: P701337 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9202.6	8656.9	8075.2	7455.3	6893.7	6356.1	5788.4	5194.4	4623.7	4169.1	3729.7
-25°	8447.1	7944.6	7455.0	6930.4	6368.6	5845.6	5351.8	4836.5	4307.8	3805.0	3426.8
-27.5°	7792.2	7365.2	6907.6	6440.0	5942.1	5426.8	4958.4	4497.9	4030.0	3577.6	3156.0
-30°	7232.2	6855.6	6441.1	6001.9	5559.2	5090.5	4616.1	4199.1	3783.0	3369.1	2976.0
-32.5°	6747.3	6417.7	6035.5	5619.3	5205.2	4787.8	4357.6	3919.5	3544.0	3180.1	2819.5
-35°	6342.5	6023.3	5654.9	5271.8	4892.3	4506.5	4101.9	3701.0	3330.4	2991.9	2660.6
-37.5°	5909.5	5618.4	5278.7	4928.1	4586.8	4229.9	3852.7	3484.6	3130.8	2814.2	2512.3
-40°	5457.4	5183.8	4899.2	4584.2	4266.3	3947.1	3601.6	3259.1	2941.5	2638.8	2360.9
-42.5°	5006.3	4764.8	4512.9	4225.3	3934.2	3646.4	3342.1	3036.0	2745.1	2469.5	2210.3
-45°	4562.8	4343.9	4111.4	3874.6	3613.2	3349.4	3081.7	2813.9	2551.9	2298.2	2052.5
-47.5°	4132.2	3940.8	3741.7	3538.3	3299.9	3058.6	2831.0	2596.7	2354.8	2119.2	1902.1
-50°	3720.4	3559.9	3385.2	3198.7	2994.1	2783.6	2580.6	2372.1	2154.5	1948.7	1747.7
-52.5°	3346.8	3197.5	3036.9	2867.5	2701.1	2521.1	2332.6	2151.3	1963.5	1774.8	1593.9
-55°	2967.5	2843.2	2709.4	2572.5	2430.8	2262.6	2095.9	1932.7	1767.2	1595.3	1443.6
-57.5°	2611.7	2511.0	2392.9	2270.1	2143.0	2002.4	1857.0	1709.5	1571.7	1430.4	1293.6
-60°	2258.9	2173.1	2074.9	1972.5	1866.5	1747.7	1626.5	1505.0	1383.6	1269.3	1153.4
-62.5°	1927.8	1854.7	1774.6	1694.5	1608.9	1514.3	1410.2	1311.6	1213.5	1114.1	1018.6
-65°	1636.7	1577.9	1510.4	1443.9	1373.1	1297.3	1211.2	1130.3	1051.7	971.2	887.6
-67.5°	1386.8	1333.6	1276.2	1219.6	1164.7	1101.7	1034.3	965.5	901.4	835.2	765.2
-70°	1200.1	1154.1	1104.8	1051.0	996.2	939.7	885.2	829.6	769.6	714.1	661.2
-72.5°	1071.6	1024.8	975.8	924.7	869.4	817.3	771.3	726.8	678.2	625.5	575.0
-75°	961.6	918.1	875.0	829.6	783.6	737.0	689.5	644.0	599.8	557.1	514.2
-77.5°	821.2	783.3	744.6	704.6	667.1	632.4	599.1	559.3	516.1	475.4	435.3
-80°	619.6	592.2	564.9	538.4	512.0	485.9	459.3	428.5	399.4	369.9	337.9
-82.5°	394.0	381.3	367.7	351.7	335.0	317.6	299.4	278.0	256.8	235.9	215.1
-85°	194.1	190.5	186.3	179.6	172.4	164.8	156.8	147.6	138.1	128.4	118.6
-87.5°	71.0	70.1	69.1	67.0	64.8	62.6	60.4	57.8	55.2	52.5	49.7
-90°	2.9	3.2	3.5	3.8	4.1	4.3	4.6	4.6	4.6	4.6	4.6



REPORT NUMBER: P701337 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	11.9	11.1	10.2	9.3	9.0	8.7	8.4	8.1	7.8	7.6	7.3
87.5°	7.8	8.4	8.9	9.3	8.7	8.1	7.6	7.1	7.2	7.2	7.1
85°	14.5	14.3	14.2	14.3	13.1	11.6	10.5	9.5	9.7	9.8	9.7
82.5°	24.6	22.8	21.4	20.3	19.6	18.5	17.0	15.0	13.4	12.5	12.2
80°	40.4	36.0	32.0	28.6	26.6	25.6	24.3	22.1	18.6	16.1	14.6
77.5°	54.2	48.8	43.7	38.6	34.2	31.0	29.1	27.8	23.7	19.6	16.8
75°	66.3	59.5	53.0	46.7	40.8	36.1	32.3	29.5	26.0	22.7	18.8
72.5°	74.5	67.5	60.9	53.8	46.1	39.7	34.8	31.1	27.4	23.8	20.5
70°	80.4	73.8	66.7	58.6	50.4	42.8	36.5	32.2	28.6	24.9	21.3
67.5°	84.0	76.6	69.8	62.5	54.0	45.7	37.9	33.3	29.5	25.8	22.0
65°	75.1	73.5	71.2	63.4	56.0	48.4	40.0	34.5	30.4	26.6	22.7
62.5°	63.7	65.1	63.9	62.0	56.3	49.0	42.1	36.5	31.3	27.3	23.3
60°	49.8	53.4	55.8	55.3	53.5	48.8	42.7	38.3	32.8	27.9	23.9
57.5°	38.6	42.1	46.0	48.2	47.9	46.1	43.0	39.0	34.2	28.9	24.5
55°	29.2	33.5	37.5	40.7	42.2	41.3	41.9	39.1	35.1	29.8	25.3
52.5°	23.5	27.0	30.7	34.3	36.6	37.4	39.1	39.1	35.1	30.7	26.4
50°	19.9	23.8	26.3	29.0	31.9	34.3	36.5	37.2	35.1	31.1	27.5
47.5°	19.9	23.7	25.2	25.5	27.9	31.5	34.1	35.3	35.0	31.0	28.6
45°	24.1	26.8	26.8	26.1	25.7	29.8	32.0	33.7	33.6	31.7	29.7
42.5°	32.4	34.5	32.1	27.7	30.5	29.3	30.2	32.1	32.4	32.6	30.7
40°	49.8	46.7	40.4	39.8	40.1	30.0	30.4	30.8	31.6	33.4	31.5
37.5°	72.4	65.9	55.2	58.8	54.7	42.1	31.6	29.6	32.4	34.0	32.4
35°	108.4	91.6	85.4	84.9	76.1	57.3	33.6	29.8	33.9	34.9	33.4
32.5°	151.4	136.4	130.1	116.3	101.4	75.5	43.9	35.7	36.1	36.0	34.4
30°	207.7	214.2	184.2	151.1	130.7	99.5	65.7	43.0	39.0	37.5	35.4
27.5°	319.7	309.2	250.7	200.3	163.4	129.2	102.8	51.7	42.6	39.4	36.5
25°	467.2	424.0	342.9	258.9	198.3	219.0	149.6	62.6	48.8	42.2	37.8
22.5°	666.2	559.9	446.5	322.7	334.0	332.9	214.3	98.1	56.6	45.4	39.1
20°	897.8	714.4	601.5	558.2	503.8	454.7	301.5	138.7	65.0	48.9	40.5
17.5°	1168.5	1051.7	990.1	846.1	700.3	587.7	401.6	183.2	73.9	52.7	42.0
15°	1820.1	1617.7	1422.5	1163.5	912.8	729.7	511.9	230.6	83.1	56.6	46.3
12.5°	2570.4	2209.6	1888.5	1503.8	1137.4	878.5	629.1	279.5	92.5	65.7	54.1
10°	3335.4	2819.1	2378.3	1859.3	1369.6	1031.3	749.9	334.2	114.6	79.0	62.3
7.5°	4104.8	3437.2	2880.9	2221.7	1598.5	1180.8	877.9	399.4	138.8	92.5	70.6
5°	4805.7	3958.9	3288.8	2513.1	1789.3	1321.9	1001.9	462.0	163.1	106.0	78.9
2.5°	5222.2	4315.5	3619.9	2779.8	1970.0	1457.1	1117.4	520.4	187.0	119.3	87.1
0°	5604.3	4647.2	3925.7	3025.4	2138.0	1584.6	1221.5	573.1	210.0	132.2	95.1
-2.5°	5574.1	4653.2	3918.1	3062.0	2213.7	1651.2	1266.6	637.6	273.8	178.5	125.6
-5°	5509.8	4631.5	3885.2	3075.3	2273.4	1707.3	1298.5	694.8	335.4	223.5	155.3
-7.5°	5225.4	4461.4	3777.9	3052.8	2316.5	1752.0	1318.7	744.8	394.0	266.6	183.8
-10°	4877.0	4196.2	3569.5	2905.8	2251.8	1747.2	1322.9	787.8	448.9	307.3	210.8
-12.5°	4516.8	3920.7	3353.7	2748.3	2160.7	1698.9	1281.8	805.3	497.3	344.9	235.7
-15°	4151.1	3639.6	3135.8	2584.2	2062.7	1644.1	1237.2	809.1	526.7	375.6	258.2
-17.5°	3804.9	3357.2	2920.7	2417.1	1959.9	1583.9	1191.4	809.2	552.4	399.0	277.8
-20°	3560.5	3123.8	2711.7	2250.2	1854.2	1519.2	1146.5	806.3	574.1	419.7	294.7



REPORT NUMBER: P701337 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3317.3	2927.3	2532.2	2110.3	1756.5	1450.8	1104.2	801.0	591.6	437.4	309.2
-25°	3072.3	2728.3	2363.6	1999.3	1671.2	1385.1	1075.9	793.9	604.8	451.9	321.2
-27.5°	2843.2	2531.9	2202.2	1887.8	1596.3	1329.1	1058.3	804.8	615.7	463.3	330.5
-30°	2622.7	2354.6	2068.6	1782.4	1518.2	1273.5	1041.0	811.2	626.5	472.4	336.9
-32.5°	2472.0	2192.1	1944.5	1691.6	1447.1	1215.1	1008.1	812.1	633.1	478.4	342.7
-35°	2354.7	2071.0	1826.0	1599.3	1377.3	1163.5	967.3	807.4	635.5	480.6	346.4
-37.5°	2226.5	1965.6	1724.4	1512.0	1305.0	1107.4	931.7	781.0	633.7	478.9	347.5
-40°	2101.2	1855.5	1630.1	1430.6	1236.5	1047.0	892.2	753.4	627.8	473.3	345.9
-42.5°	1966.1	1742.9	1536.7	1347.0	1166.0	998.9	849.9	721.9	602.3	467.0	341.5
-45°	1833.3	1626.3	1438.8	1263.3	1094.2	947.2	810.5	686.7	571.9	458.7	334.8
-47.5°	1694.7	1511.2	1338.4	1174.0	1032.5	893.3	766.8	649.5	538.9	446.5	326.0
-50°	1561.1	1393.5	1235.5	1091.8	962.3	839.7	719.7	609.2	508.4	420.0	314.3
-52.5°	1428.8	1276.4	1136.1	1007.8	892.4	781.5	671.2	566.5	475.2	392.0	299.7
-55°	1296.4	1161.8	1036.8	924.9	820.1	721.4	619.6	525.2	439.3	362.5	282.6
-57.5°	1168.9	1046.3	941.6	841.9	746.7	657.0	567.4	480.8	402.7	331.3	264.5
-60°	1042.1	942.3	847.4	757.4	671.4	591.6	513.4	434.9	364.7	299.2	240.4
-62.5°	925.7	836.6	751.1	670.2	596.6	526.3	457.3	389.4	325.0	268.8	213.8
-65°	809.6	730.6	652.3	587.5	523.0	461.7	403.2	341.9	288.5	237.6	188.1
-67.5°	694.5	632.5	565.3	505.5	455.2	403.6	348.2	299.1	252.4	205.6	165.7
-70°	604.9	544.1	486.9	439.8	394.3	346.9	302.5	258.1	215.5	179.8	142.8
-72.5°	528.6	478.6	425.1	377.4	341.1	301.5	258.6	218.4	186.7	153.8	119.6
-75°	466.9	416.6	369.9	330.2	294.4	255.8	218.4	186.9	157.7	127.4	98.8
-77.5°	392.5	352.8	316.4	277.0	240.3	207.8	179.6	155.2	127.7	101.6	78.4
-80°	301.3	266.9	234.8	205.5	180.1	158.0	137.9	117.6	95.2	75.1	57.5
-82.5°	191.8	172.8	155.5	139.2	123.6	108.1	92.8	77.6	62.0	48.1	39.7
-85°	108.0	97.8	88.2	79.1	68.4	57.8	51.4	45.3	39.5	34.0	29.0
-87.5°	47.6	45.3	43.0	40.5	36.9	33.3	29.9	26.7	23.7	20.8	18.2
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.0	6.7	6.4	6.1	5.8	5.2	4.6
87.5°	7.0	6.4	5.9	5.5	5.1	4.8	4.6
85°	9.4	8.2	7.2	6.3	5.6	5.0	4.6
82.5°	11.8	10.0	8.5	7.2	6.1	5.2	4.6
80°	14.0	11.8	9.8	8.0	6.6	5.4	4.6
77.5°	15.1	13.2	11.0	8.9	7.1	5.6	4.6
75°	16.1	13.7	12.1	9.7	7.6	5.8	4.6
72.5°	17.1	14.3	12.3	10.5	8.0	6.0	4.6
70°	17.9	14.7	12.5	11.1	8.5	6.2	4.6
67.5°	18.6	15.1	12.6	11.1	8.9	6.3	4.6
65°	19.3	15.6	12.7	11.0	9.3	6.5	4.6
62.5°	19.9	16.3	12.7	10.9	9.7	6.7	4.6
60°	20.6	16.9	12.7	10.8	10.1	6.8	4.6
57.5°	21.3	17.5	13.2	10.7	10.0	7.0	4.6
55°	22.1	18.1	13.7	10.5	9.9	7.1	4.6
52.5°	23.0	18.7	14.2	10.3	9.8	7.3	4.6
50°	23.9	19.5	14.7	10.1	9.8	7.4	4.6
47.5°	24.8	20.3	15.2	9.9	9.7	7.5	4.6
45°	25.8	21.1	15.6	10.3	9.7	7.6	4.6
42.5°	26.7	21.9	16.0	10.6	9.7	7.8	4.6
40°	27.7	22.7	16.5	11.1	9.6	7.8	4.6
37.5°	28.6	23.5	17.1	11.7	9.6	7.9	4.6
35°	29.6	24.3	17.7	12.3	9.6	8.0	4.6
32.5°	30.4	25.0	18.3	12.9	9.7	8.1	4.6
30°	31.2	25.7	18.8	13.5	9.7	8.1	4.6
27.5°	32.0	26.3	20.0	14.2	9.7	8.2	4.6
25°	32.9	26.9	21.2	14.8	9.8	8.2	4.6
22.5°	33.7	27.9	22.5	15.4	9.8	8.2	4.6
20°	34.5	30.1	23.8	16.0	9.9	8.3	4.6
17.5°	37.5	32.4	25.0	16.5	10.0	8.3	4.6
15°	42.0	34.8	26.2	17.1	10.0	8.3	4.6
12.5°	46.7	37.2	27.4	17.6	10.1	8.3	4.6
10°	51.5	39.6	28.6	18.1	10.2	8.2	4.6
7.5°	56.5	42.0	29.6	18.6	10.2	8.2	4.6
5°	61.4	44.3	30.7	19.0	10.3	8.2	4.6
2.5°	66.2	46.6	31.6	19.4	10.3	8.1	4.6
0°	70.8	48.7	32.5	19.7	10.4	8.1	4.6
-2.5°	89.3	59.3	38.0	22.1	11.2	8.3	4.6
-5°	107.3	69.6	43.3	24.4	12.0	8.4	4.6
-7.5°	124.5	79.4	48.3	26.7	12.8	8.6	4.6
-10°	140.8	88.8	53.1	28.8	13.5	8.7	4.6
-12.5°	155.8	97.4	57.6	30.7	14.2	8.9	4.6
-15°	169.5	105.3	61.6	32.5	14.9	9.0	4.6
-17.5°	181.6	112.3	65.2	34.1	15.5	9.1	4.6
-20°	192.9	118.3	68.3	35.4	16.1	9.2	4.6



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 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	204.3	123.2	70.8	36.5	16.6	9.3	4.6
-25°	214.1	129.5	72.8	37.4	17.0	9.3	4.6
-27.5°	222.0	135.6	74.1	38.0	17.4	9.4	4.6
-30°	228.1	140.4	75.0	38.3	17.7	9.4	4.6
-32.5°	232.2	143.7	77.5	38.3	17.9	9.4	4.6
-35°	235.4	145.6	79.0	38.0	18.1	9.4	4.6
-37.5°	237.0	146.5	79.6	37.4	18.1	9.4	4.6
-40°	236.4	146.8	79.3	36.4	18.1	9.4	4.6
-42.5°	233.6	145.6	78.7	35.5	18.0	9.3	4.6
-45°	228.6	142.9	78.0	34.9	17.9	9.2	4.6
-47.5°	221.5	138.6	76.5	33.9	17.6	9.1	4.6
-50°	213.7	132.9	74.1	33.6	17.3	9.0	4.6
-52.5°	204.0	125.8	70.9	33.2	16.8	8.9	4.6
-55°	192.3	119.4	67.0	32.5	16.3	8.7	4.6
-57.5°	178.6	112.3	62.3	31.5	15.8	8.5	4.6
-60°	163.4	103.9	57.0	30.1	15.1	8.4	4.6
-62.5°	150.0	94.6	53.5	28.5	14.5	8.2	4.6
-65°	135.2	84.1	49.5	26.5	13.9	7.9	4.6
-67.5°	118.9	74.7	44.9	24.2	13.3	7.7	4.6
-70°	101.5	66.3	39.9	21.8	12.6	7.5	4.6
-72.5°	87.3	57.3	34.5	19.9	11.8	7.2	4.6
-75°	72.9	47.7	28.7	18.2	11.0	6.9	4.6
-77.5°	57.8	37.5	24.9	16.3	10.2	6.7	4.6
-80°	42.0	30.3	21.3	14.4	9.4	6.4	4.6
-82.5°	32.8	24.5	17.7	12.4	8.5	6.1	4.6
-85°	24.3	18.7	14.0	10.3	7.6	5.8	4.6
-87.5°	15.7	12.7	10.2	8.2	6.7	5.5	4.6
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6

(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

