

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: P701463 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-70-2S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701463 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-13)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-40-70-2S-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

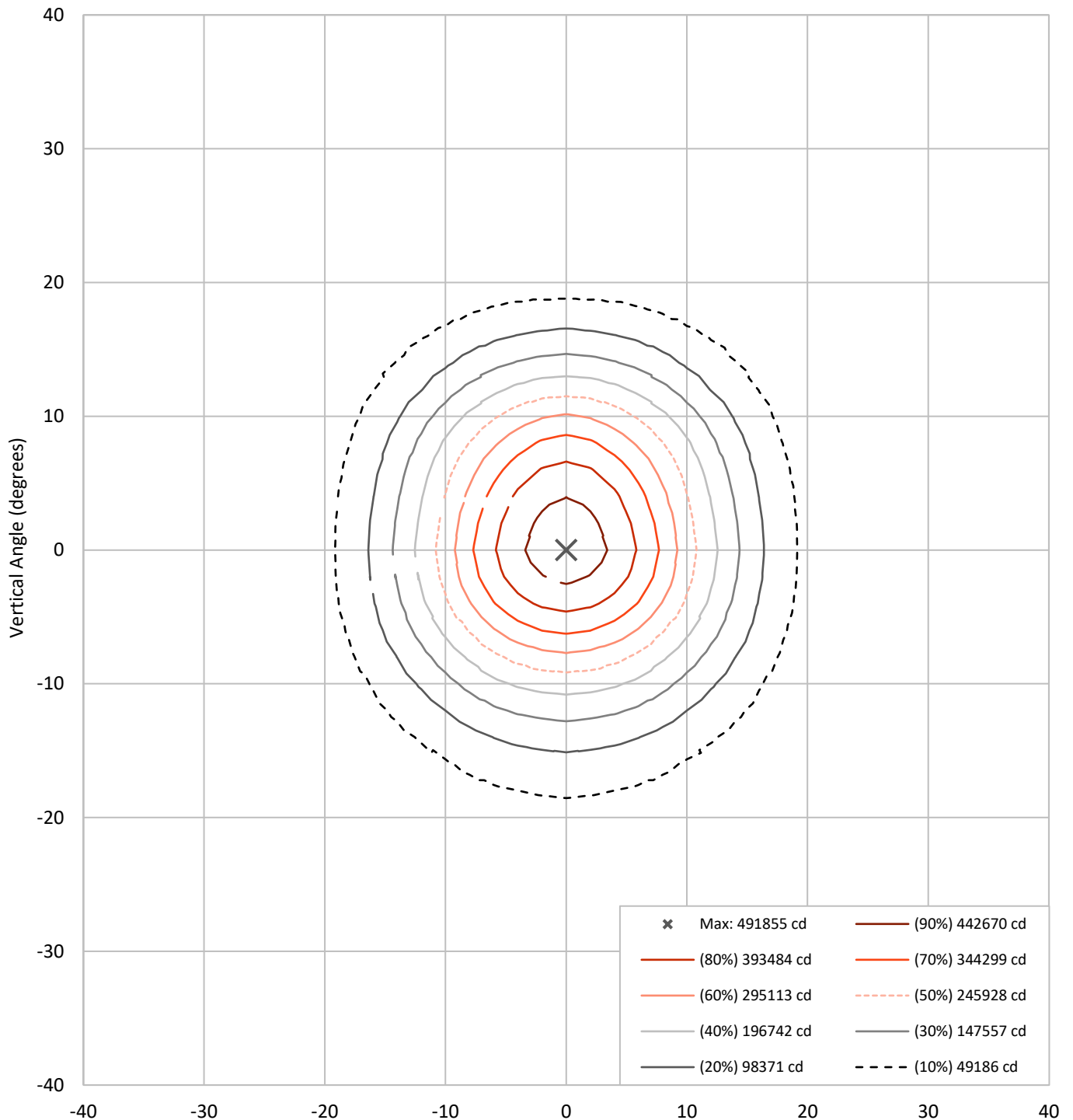
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	79533.4 lumens	Max Intensity:	491855 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	119.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.6°H x 20.7°V	Field Angle (10%):	38.3°H x 37.3°V
Beam Lumens:	36931.7 lumens	Field Lumens:	67235.8 lumens
Beam Efficiency:	46.4%	Field Efficiency:	84.5%

Input Watts (W): 666.2
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

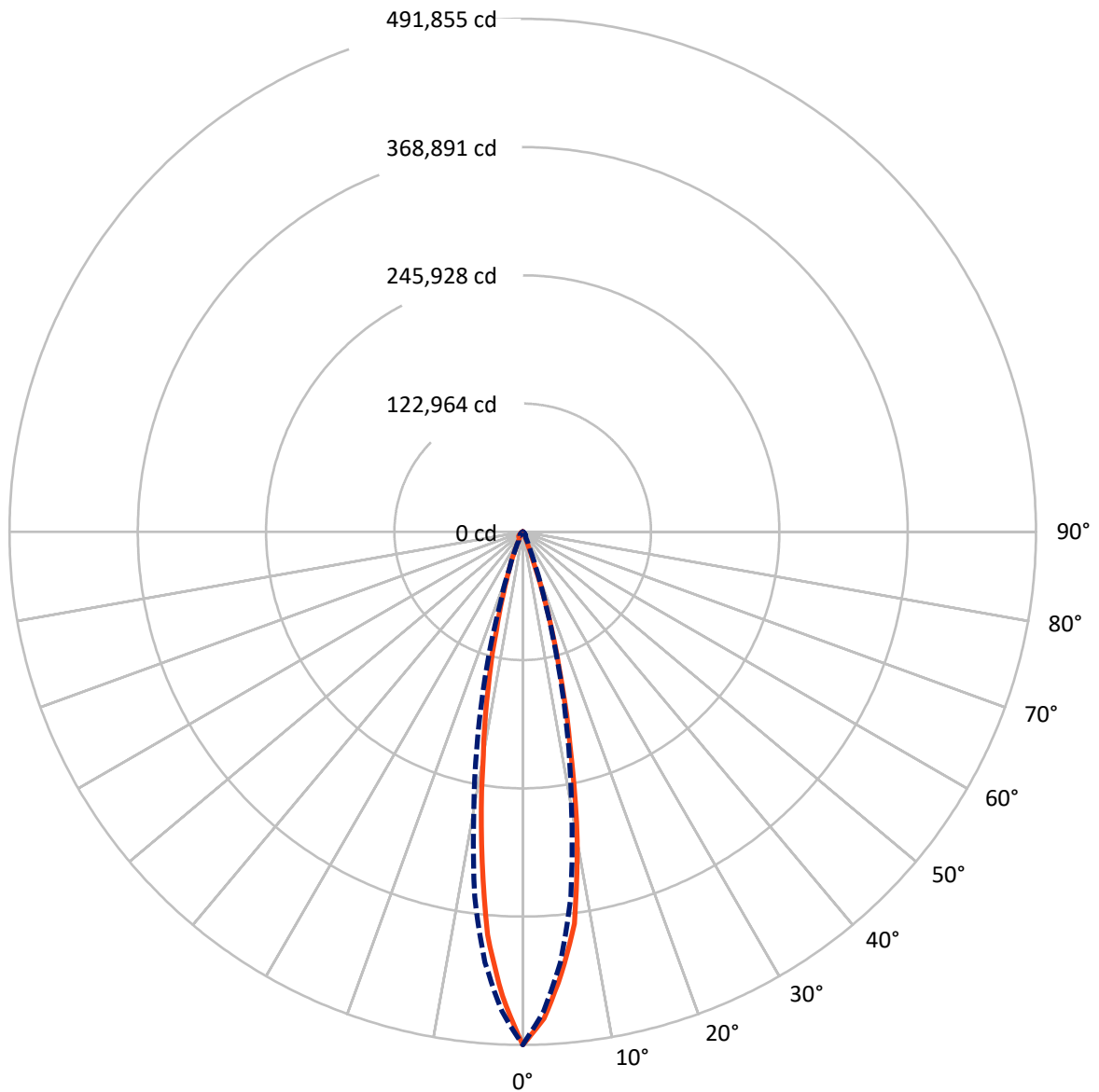
REPORT NUMBER: P701463 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot



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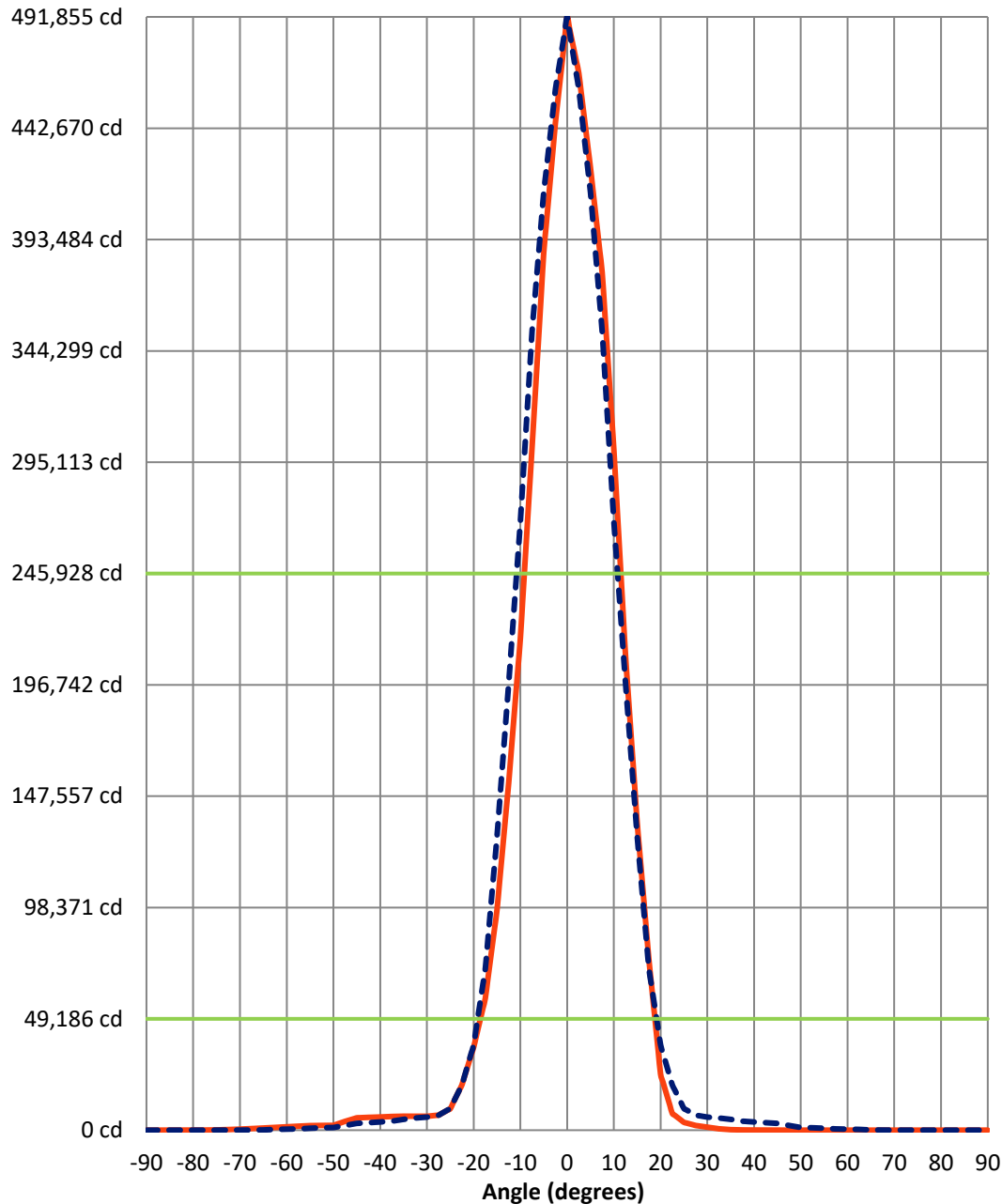
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 21.6°
 V Angle: 20.7°
 Lumens: 36931.7
 Efficiency: 46.4%

Field:
 H Angle: 38.3°
 V Angle: 37.3°
 Lumens: 67235.8
 Efficiency: 84.5%

Spill:
 Lumens: 12297.6
 Efficiency: 15.5%

— 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°	5.8	6.8	7.8	8.3	8.8	9.2	9.7	10.2	10.7	11.2	11.7
87.5°	5.8	5.8	5.8	5.4	5.0	4.7	4.4	4.3	4.2	4.1	3.9
85°	5.8	5.9	5.8	5.5	5.2	5.0	4.9	4.8	4.6	4.3	3.9
82.5°	5.8	5.9	5.8	5.5	5.4	5.3	5.4	5.2	4.9	4.6	4.4
80°	5.8	6.0	5.8	5.6	5.5	5.6	5.8	5.5	5.2	5.1	5.2
77.5°	5.8	6.0	5.8	5.6	5.7	5.8	5.8	5.6	5.5	5.7	5.8
75°	5.8	6.1	5.8	5.7	5.8	6.0	5.9	5.7	5.8	5.8	5.8
72.5°	5.8	6.1	5.9	5.8	6.0	6.1	5.9	5.8	5.8	5.8	5.8
70°	5.8	6.2	5.9	5.8	6.2	6.3	6.0	5.8	5.8	5.8	5.9
67.5°	5.8	6.2	5.9	6.0	6.4	6.4	6.0	5.8	5.8	6.1	6.0
65°	5.8	6.3	6.0	6.2	6.6	6.5	6.1	5.8	6.2	6.4	6.2
62.5°	5.8	6.3	6.0	6.4	6.8	6.6	6.1	6.2	6.7	6.8	6.3
60°	5.8	6.4	6.1	6.6	7.1	6.6	6.2	6.7	7.2	6.9	6.4
57.5°	5.8	6.4	6.2	6.9	7.1	6.7	6.6	7.3	7.4	6.9	7.0
55°	5.8	6.5	6.4	7.1	7.2	6.7	7.1	7.8	7.5	7.2	7.8
52.5°	5.8	6.5	6.6	7.3	7.2	6.9	7.6	8.0	7.6	7.9	8.6
50°	5.8	6.6	6.7	7.5	7.3	7.3	8.1	8.1	7.8	8.6	10.6
47.5°	5.8	6.7	6.8	7.7	7.3	7.6	8.5	8.2	8.4	9.3	12.4
45°	5.8	6.7	7.0	7.7	7.4	8.0	8.6	8.3	9.1	10.7	14.0
42.5°	5.8	6.8	7.1	7.8	7.4	8.4	8.7	8.7	9.8	11.9	16.1
40°	5.8	6.8	7.2	7.8	7.6	8.8	8.8	9.3	10.7	12.9	18.3
37.5°	5.8	6.9	7.3	7.9	7.9	9.1	8.9	10.0	11.8	14.5	20.3
35°	5.8	7.0	7.4	7.9	8.2	9.3	9.0	10.7	12.9	16.8	22.0
32.5°	5.8	7.0	7.5	8.0	8.4	9.4	9.2	11.4	14.0	19.2	24.4
30°	5.8	7.1	7.5	8.1	8.7	9.4	9.8	12.2	15.0	21.6	27.0
27.5°	5.8	7.2	7.6	8.2	8.9	9.5	10.4	13.1	16.4	24.1	29.7
25°	5.8	7.2	7.6	8.3	9.1	9.6	11.0	13.9	18.3	26.4	32.7
22.5°	5.8	7.3	7.7	8.4	9.2	9.7	11.5	14.6	20.2	28.7	38.0
20°	5.8	7.4	7.7	8.6	9.4	9.9	12.1	15.4	22.1	31.1	44.0
17.5°	5.8	7.4	7.7	8.7	9.5	10.1	12.7	16.0	23.9	33.5	50.5
15°	5.8	7.5	7.8	8.8	9.6	10.3	13.2	16.7	25.6	35.8	57.4
12.5°	5.8	7.5	7.8	9.0	9.6	10.5	13.7	17.3	27.1	38.1	64.5
10°	5.8	7.6	7.8	9.1	9.7	10.7	14.2	17.8	28.3	41.0	71.8
7.5°	5.8	7.7	7.8	9.3	9.7	11.0	14.6	18.3	29.3	44.1	79.0
5°	5.8	7.7	7.8	9.4	9.7	11.2	15.0	18.8	30.1	47.1	85.8
2.5°	5.8	7.8	7.8	9.6	9.7	11.5	15.3	19.2	30.7	50.0	92.0
0°	5.8	7.8	7.8	9.7	9.7	11.7	15.6	19.5	31.2	52.6	97.4
-2.5°	5.8	7.8	7.9	9.8	10.0	12.3	17.1	24.1	40.6	69.3	121.4
-5°	5.8	7.9	8.0	9.9	10.4	12.9	18.6	28.4	49.6	85.2	144.1
-7.5°	5.8	7.9	8.0	10.0	10.7	13.5	20.0	32.5	58.0	100.0	165.0
-10°	5.8	7.9	8.1	10.1	11.0	14.0	21.2	36.2	65.6	113.4	184.0
-12.5°	5.8	8.0	8.2	10.2	11.3	14.5	22.2	39.3	72.0	124.9	200.1
-15°	5.8	8.0	8.3	10.3	11.6	14.9	23.1	41.8	78.4	134.6	213.2
-17.5°	5.8	8.0	8.4	10.3	11.9	15.3	23.7	44.7	84.7	142.8	223.1
-20°	5.8	8.0	8.5	10.4	12.1	15.6	24.5	47.5	89.4	149.2	229.6



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-2S-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.8	8.0	8.5	10.4	12.3	15.8	25.4	49.2	92.5	153.7	232.3
-25°	5.8	8.0	8.6	10.4	12.4	16.1	25.8	49.7	93.6	156.3	231.0
-27.5°	5.8	8.0	8.7	10.4	12.5	16.3	25.6	48.8	92.9	157.2	232.8
-30°	5.8	8.0	8.8	10.4	12.6	16.4	24.8	46.5	91.4	156.0	232.3
-32.5°	5.8	8.0	8.8	10.4	12.8	16.4	23.3	45.1	88.8	152.2	229.1
-35°	5.8	8.0	8.9	10.3	12.9	16.2	22.7	43.4	84.1	145.4	223.4
-37.5°	5.8	8.0	9.0	10.3	12.9	16.1	22.5	40.7	77.2	135.9	209.6
-40°	5.8	8.0	9.0	10.2	13.0	16.2	22.1	36.9	68.3	125.6	192.5
-42.5°	5.8	7.9	9.1	10.2	13.0	16.2	21.5	32.2	61.2	111.3	172.7
-45°	5.8	7.9	9.1	10.1	12.9	16.1	20.8	28.6	54.6	94.9	150.8
-47.5°	5.8	7.9	9.2	10.1	12.8	16.0	19.9	27.4	46.5	76.8	130.2
-50°	5.8	7.8	9.3	10.1	12.7	15.9	19.5	26.1	37.0	65.8	107.4
-52.5°	5.8	7.8	9.3	10.2	12.5	15.7	19.2	24.5	32.4	53.7	83.8
-55°	5.8	7.7	9.4	10.3	12.3	15.4	18.9	22.8	30.1	40.6	68.8
-57.5°	5.8	7.7	9.4	10.3	12.1	15.1	18.4	22.2	27.5	35.2	52.6
-60°	5.8	7.6	9.4	10.3	11.9	14.7	17.9	21.5	25.1	31.9	39.8
-62.5°	5.8	7.6	9.3	10.3	11.8	14.2	17.3	20.6	24.0	28.3	35.5
-65°	5.8	7.5	9.2	10.2	11.6	13.8	16.7	19.7	22.9	26.4	31.0
-67.5°	5.8	7.5	9.1	10.2	11.4	13.3	16.0	18.7	21.6	24.8	28.3
-70°	5.8	7.4	9.0	10.1	11.2	12.9	15.2	17.7	20.3	23.2	26.4
-72.5°	5.8	7.3	8.9	9.9	11.0	12.4	14.4	16.6	18.9	21.5	24.3
-75°	5.8	7.3	8.7	9.7	10.7	11.9	13.6	15.5	17.5	19.7	22.1
-77.5°	5.8	7.2	8.6	9.5	10.4	11.4	12.7	14.4	16.2	17.9	19.9
-80°	5.8	7.1	8.4	9.3	10.1	10.9	11.8	13.3	15.0	16.5	18.1
-82.5°	5.8	7.0	8.3	9.0	9.7	10.5	11.2	12.4	13.7	15.1	16.6
-85°	5.8	7.0	8.1	8.8	9.4	10.1	10.7	11.7	12.7	13.8	15.0
-87.5°	5.8	6.9	8.0	8.5	9.1	9.7	10.2	10.9	11.7	12.5	13.3
-90°	5.8	5.8	5.8	5.3	4.9	4.4	3.9	3.9	3.9	3.9	3.9



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-2S-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	11.7	11.7	11.7	11.7	12.2	12.7	13.1	13.6	14.1	14.6	15.1
87.5°	3.6	3.4	3.2	3.0	2.8	2.5	2.2	1.9	1.9	1.9	1.9
85°	3.9	3.9	3.9	3.9	3.4	2.9	2.4	1.9	1.9	1.9	1.9
82.5°	4.5	4.4	4.2	3.9	3.4	2.9	2.5	2.2	2.2	2.2	2.1
80°	5.2	4.9	4.5	4.0	3.7	3.5	3.5	3.6	3.4	3.1	2.8
77.5°	5.4	5.0	4.5	4.0	4.0	4.3	4.6	4.9	4.8	4.6	4.4
75°	5.5	5.0	4.8	4.8	5.1	5.5	5.8	5.8	5.6	5.5	5.5
72.5°	5.6	5.4	5.5	5.8	5.8	5.8	5.8	5.8	7.4	9.6	11.0
70°	5.7	5.8	5.8	5.8	5.8	6.4	9.1	13.0	17.0	19.1	21.0
67.5°	5.8	5.8	5.8	6.1	7.4	10.4	14.8	23.2	32.1	34.3	34.0
65°	5.8	5.8	6.5	7.9	9.5	16.7	25.9	36.4	44.2	43.0	40.3
62.5°	5.8	6.6	7.9	10.8	16.6	25.2	33.5	41.0	48.5	47.2	40.6
60°	6.6	7.6	10.9	16.6	23.0	29.2	37.1	42.0	46.8	48.0	36.7
57.5°	7.5	9.9	15.3	21.3	26.7	31.3	34.2	38.5	40.2	39.1	28.7
55°	9.2	13.2	19.0	24.7	28.5	27.3	29.2	30.5	30.0	27.7	20.4
52.5°	11.9	16.2	22.0	26.7	27.2	24.6	23.0	23.3	21.5	18.3	15.8
50°	14.3	19.3	24.6	27.2	26.0	22.1	18.4	17.8	16.6	15.0	13.6
47.5°	16.9	22.2	26.4	27.8	24.1	20.6	17.0	15.8	14.9	15.3	14.5
45°	19.5	24.5	28.7	26.3	23.0	20.2	18.8	15.5	17.5	18.7	19.4
42.5°	22.0	26.5	28.2	25.1	23.3	23.2	23.0	22.2	23.2	28.1	30.8
40°	23.8	28.3	28.2	27.6	25.5	29.4	32.9	35.8	36.0	42.3	47.3
37.5°	25.4	29.1	30.7	34.6	32.8	39.8	45.9	70.2	71.2	58.9	79.8
35°	27.0	30.6	40.4	51.4	55.8	54.3	88.6	120.7	128.6	115.6	137.2
32.5°	28.6	32.8	53.5	79.4	102.9	104.5	143.8	194.8	221.6	230.7	242.6
30°	31.7	45.0	73.8	114.7	171.1	217.2	236.0	290.9	340.3	439.4	508.7
27.5°	37.3	60.9	107.6	177.6	264.2	351.4	381.3	419.5	549.1	724.6	898.2
25°	44.2	94.5	146.2	261.0	393.4	490.2	528.3	579.6	824.6	1163.7	1363.1
22.5°	61.7	137.8	204.6	357.1	536.7	625.4	675.2	859.7	1234.4	1684.8	1886.9
20°	93.4	189.3	275.6	437.4	680.6	759.7	815.4	1199.4	1744.8	2172.7	2489.6
17.5°	129.9	241.0	346.2	522.0	742.9	861.9	978.4	1574.4	2279.7	2655.9	3029.2
15°	170.2	292.4	407.4	597.3	799.3	923.2	1229.1	1998.7	2763.3	3130.3	3502.6
12.5°	212.8	343.0	459.9	663.5	855.0	980.3	1456.9	2301.3	3021.6	3504.4	3951.3
10°	256.3	392.4	504.7	720.6	909.0	1033.2	1669.9	2558.4	3158.6	3588.1	4094.3
7.5°	285.7	424.6	539.6	768.9	960.2	1081.8	1862.9	2770.5	3251.6	3630.1	4079.9
5°	309.0	436.8	553.0	803.3	1002.4	1120.2	2015.0	2938.1	3308.0	3636.6	4004.5
2.5°	327.5	445.0	563.4	830.0	1036.1	1144.7	2065.3	2989.8	3319.3	3636.3	3968.3
0°	340.8	449.9	570.6	849.1	1063.4	1164.7	2076.1	3001.2	3310.9	3628.3	3982.8
-2.5°	352.9	463.7	593.0	865.4	1064.6	1166.9	2065.8	2987.9	3348.2	3716.2	4139.5
-5°	360.3	474.8	611.4	873.7	1060.4	1165.5	2018.8	2934.7	3344.4	3717.7	4165.4
-7.5°	363.8	483.3	625.0	872.7	1045.8	1149.7	1894.0	2764.2	3212.9	3564.6	4034.0
-10°	365.0	493.6	633.9	854.2	1018.4	1123.2	1733.0	2561.9	3067.6	3397.0	3852.4
-12.5°	368.3	505.4	639.6	833.3	991.3	1093.0	1550.8	2332.2	2910.1	3217.4	3645.2
-15°	368.1	514.5	642.4	811.8	966.1	1059.3	1351.9	2078.6	2792.9	3183.2	3532.9
-17.5°	364.7	520.9	642.7	791.1	944.2	1022.0	1147.2	1854.6	2695.9	3169.1	3508.4
-20°	358.3	524.6	640.8	772.7	923.9	1006.3	1108.2	1637.5	2438.2	3119.2	3498.7



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	349.3	525.7	638.6	763.4	907.9	1011.3	1098.8	1399.7	2097.7	3036.4	3433.5
-25°	344.4	510.2	635.9	752.6	891.0	1017.4	1088.9	1180.4	1761.3	2619.6	3280.7
-27.5°	341.8	492.5	621.4	734.6	869.3	1015.8	1089.8	1167.2	1476.8	2143.8	3044.4
-30°	333.8	463.1	601.7	711.0	843.8	987.2	1096.9	1157.6	1244.5	1761.9	2496.9
-32.5°	317.1	432.3	569.4	685.4	810.5	953.7	1089.5	1157.3	1231.5	1385.0	1978.2
-35°	299.5	408.1	532.3	653.7	769.4	908.5	1041.3	1154.8	1219.0	1298.4	1563.6
-37.5°	285.5	380.9	494.4	614.8	729.0	854.0	987.8	1113.3	1209.3	1289.4	1390.4
-40°	268.0	350.7	459.7	572.6	684.3	800.0	925.1	1051.4	1172.6	1294.1	1386.2
-42.5°	246.8	327.3	423.6	529.6	636.7	747.8	859.6	981.4	1122.8	1275.7	1393.9
-45°	221.6	299.9	385.7	484.0	584.6	691.4	799.5	909.6	1058.6	1215.9	1364.0
-47.5°	193.3	268.5	350.3	434.9	529.9	629.4	734.7	849.8	980.6	1130.7	1292.1
-50°	163.5	233.2	309.5	388.0	472.8	564.8	662.1	778.4	901.4	1032.9	1178.6
-52.5°	135.3	194.5	265.1	340.0	416.8	499.2	590.4	694.4	809.8	932.2	1054.7
-55°	104.8	158.0	217.0	287.1	360.7	434.9	514.6	607.0	707.3	818.9	928.6
-57.5°	81.2	120.2	171.0	229.6	298.2	370.1	440.7	515.7	603.5	698.7	791.2
-60°	61.5	88.2	125.7	175.3	230.4	295.1	362.8	431.1	501.7	572.5	651.4
-62.5°	43.5	64.2	89.0	121.8	168.9	217.0	273.6	336.6	403.2	463.9	522.1
-65°	38.1	44.2	61.1	84.2	108.5	148.3	191.2	235.2	290.2	344.6	400.0
-67.5°	32.4	38.0	43.5	52.2	73.1	93.9	114.7	152.0	190.2	225.0	262.0
-70°	29.4	32.2	36.7	41.6	46.4	55.1	73.1	91.1	108.5	129.2	158.5
-72.5°	26.8	29.1	31.7	34.4	38.5	42.8	46.9	50.9	61.2	75.4	88.8
-75°	24.2	26.0	28.0	30.3	32.7	35.2	38.0	41.6	44.9	48.0	51.3
-77.5°	21.6	23.2	24.7	26.3	27.9	29.8	31.9	34.1	36.0	37.9	39.8
-80°	19.2	20.3	21.7	23.0	24.1	25.2	26.4	27.7	28.8	29.8	31.1
-82.5°	17.3	18.0	18.8	19.7	20.4	21.0	21.6	22.3	23.4	24.4	25.2
-85°	15.3	15.6	16.0	16.4	17.2	17.9	18.5	19.1	19.6	20.1	20.7
-87.5°	13.5	13.6	13.8	13.9	14.5	15.2	15.8	16.4	16.6	16.8	17.0
-90°	3.4	2.9	2.4	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9



REPORT NUMBER: P701463 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-2S-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	15.6	15.6	15.6	15.6	15.6	16.1	16.6	17.0	17.5	17.5	17.5
87.5°	1.9	1.8	1.8	1.7	1.7	1.3	0.9	0.5	0.0	0.0	0.0
85°	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	2.5	2.5	2.4	2.2	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	4.2	3.8	3.4	2.8	2.1	1.9	1.9	1.9	1.9	1.9	1.9
75°	5.6	5.5	5.3	4.8	4.0	3.8	3.8	3.8	3.6	3.6	3.7
72.5°	11.8	11.7	11.0	10.1	8.7	8.0	7.9	7.6	7.1	6.8	6.6
70°	21.5	20.8	19.6	17.4	14.5	12.5	11.4	10.0	8.4	7.7	7.7
67.5°	31.0	27.8	25.2	22.2	18.2	15.0	13.2	11.5	9.9	9.1	8.7
65°	35.8	28.7	23.9	20.1	17.3	14.6	12.6	10.8	9.2	8.2	8.0
62.5°	32.9	23.9	18.9	15.8	13.3	11.5	10.1	8.7	7.3	6.5	6.8
60°	26.9	18.4	14.1	12.4	10.9	9.8	8.5	7.4	6.4	5.9	6.5
57.5°	20.6	14.7	11.6	10.8	9.7	8.4	7.5	7.2	7.1	7.1	7.5
55°	15.3	13.0	11.7	10.4	9.1	8.2	7.9	8.1	8.1	7.8	7.8
52.5°	13.1	12.0	10.6	9.4	9.2	9.3	9.6	9.2	9.0	9.0	9.2
50°	12.7	11.7	10.7	9.7	10.0	10.1	9.8	10.1	10.7	10.9	11.1
47.5°	13.8	13.0	13.7	11.5	12.0	13.4	13.5	13.8	15.5	16.3	16.6
45°	18.1	22.1	22.1	20.4	19.6	28.4	29.0	24.3	39.6	38.0	26.8
42.5°	33.6	35.6	35.7	44.7	60.5	68.9	91.4	127.2	119.2	92.6	56.0
40°	55.6	52.8	64.4	82.7	101.1	122.8	153.5	214.4	204.1	163.4	179.5
37.5°	95.9	96.0	101.5	126.9	134.0	115.3	163.9	158.4	126.1	177.5	187.8
35°	175.5	193.1	163.9	203.2	208.4	191.8	201.1	222.3	192.3	230.1	246.2
32.5°	315.1	347.6	351.9	361.5	390.5	412.8	406.5	458.4	461.0	509.9	577.0
30°	503.6	571.1	641.0	651.9	688.1	746.7	776.3	880.7	991.4	1063.9	1197.0
27.5°	885.2	901.8	1042.5	1153.3	1109.2	1197.1	1417.0	1544.4	1756.0	1882.0	2016.0
25°	1421.7	1467.6	1665.8	1869.9	1897.2	1977.4	2296.9	2479.2	2697.2	2824.5	3100.9
22.5°	2102.5	2300.4	2518.6	2787.1	2897.3	3085.9	3396.4	3663.9	4118.0	4680.0	5891.0
20°	2861.0	3158.4	3451.7	3687.5	3914.7	4214.6	4592.5	5883.1	7412.3	12019.8	15198.7
17.5°	3510.0	3997.2	4277.5	4505.8	4791.0	5369.6	6869.7	10672.7	18006.6	28264.6	37654.3
15°	4014.8	4469.6	4920.4	5206.7	5652.2	6933.1	9985.3	19312.2	34509.0	51825.3	72779.6
12.5°	4414.8	4792.6	5171.2	5592.4	6415.7	8912.0	16677.3	31081.1	53180.0	81170.7	118318.9
10°	4631.0	5008.9	5374.3	5974.0	7497.9	12043.5	22926.2	41921.5	76605.6	120320.7	167663.5
7.5°	4629.4	5090.2	5542.0	6273.4	8601.0	15785.4	30287.2	55991.7	97016.9	151823.2	212772.8
5°	4626.9	5184.5	5657.8	6483.3	9290.8	18339.0	34856.4	63783.8	113636.8	175485.9	240748.0
2.5°	4671.8	5285.4	5732.6	6621.4	9610.5	19709.3	37390.9	69938.4	125256.2	188954.4	258692.0
0°	4777.4	5375.3	5776.5	6635.4	9572.3	19991.9	37685.6	71427.4	129728.2	197401.6	268964.5
-2.5°	4952.2	5362.4	5751.6	6579.4	9444.7	19408.7	36997.1	70128.5	124546.4	188001.8	257261.3
-5°	4847.0	5178.2	5522.6	6267.3	8818.3	17364.5	33326.2	62753.6	109232.4	166215.7	225546.1
-7.5°	4577.0	4912.7	5231.7	5873.9	7915.4	14329.7	27261.2	50411.5	86714.6	131092.8	177693.0
-10°	4330.8	4631.9	4932.3	5446.0	6763.3	10510.3	19507.7	35677.1	63311.6	96765.0	132377.1
-12.5°	4141.3	4394.3	4625.5	4969.9	5702.4	7795.2	14192.1	26192.8	42515.0	63813.1	89876.0
-15°	3974.5	4171.2	4341.4	4672.7	5217.2	6310.5	8843.3	15699.1	25869.5	39289.6	53520.8
-17.5°	3820.3	4008.8	4209.8	4462.3	4805.1	5330.0	6784.9	9668.7	15536.1	24302.5	32695.6
-20°	3741.4	3972.1	4144.9	4342.4	4633.4	5036.7	5547.9	6978.5	9396.8	14784.4	20241.7



REPORT NUMBER: P701463 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	3679.1	3899.2	4096.3	4325.5	4624.3	4942.6	5218.5	5655.5	6796.5	8488.5	11305.7
-25°	3603.3	3820.3	4111.8	4445.3	4702.0	4942.7	5082.7	5173.8	5663.5	6147.1	7225.6
-27.5°	3459.4	3803.3	4231.4	4591.5	4867.7	5017.0	5129.8	5203.7	5497.2	5785.6	6099.3
-30°	3330.8	3857.9	4320.2	4738.9	4979.3	5161.8	5308.9	5441.9	5644.7	5889.0	6003.1
-32.5°	2874.3	3843.1	4357.3	4742.7	4989.8	5205.1	5431.7	5554.6	5733.3	5912.2	6056.4
-35°	2257.7	3242.2	4317.1	4537.8	4783.1	5063.8	5336.0	5511.0	5692.9	5877.1	6046.9
-37.5°	1691.2	2427.6	3299.3	4096.6	4425.7	4713.1	5047.2	5316.7	5554.8	5755.6	5949.1
-40°	1482.4	1682.2	2323.5	2956.7	3629.2	4246.5	4576.8	4937.5	5295.8	5543.9	5764.7
-42.5°	1480.1	1556.6	1622.1	2046.5	2563.9	3094.8	3656.5	4180.1	4763.0	5171.6	5481.6
-45°	1489.6	1549.2	1610.2	1671.7	1728.1	2118.7	2528.3	2943.7	3552.0	4155.9	4678.0
-47.5°	1418.7	1533.6	1606.7	1665.7	1721.5	1776.4	1829.9	1941.9	2330.8	2742.5	3118.7
-50°	1306.2	1424.7	1533.5	1642.7	1706.7	1760.9	1819.2	1883.2	1945.4	2008.7	2050.7
-52.5°	1168.3	1284.9	1398.2	1501.8	1595.0	1686.7	1778.4	1852.8	1919.2	1984.0	2016.2
-55°	1036.4	1141.3	1244.6	1335.7	1426.7	1517.1	1608.2	1698.9	1788.9	1877.4	1922.6
-57.5°	890.0	991.9	1089.0	1165.8	1243.0	1320.1	1402.9	1488.1	1570.2	1645.5	1685.1
-60°	734.8	822.0	905.2	979.7	1052.1	1121.7	1191.9	1263.0	1332.5	1393.7	1429.6
-62.5°	580.2	647.7	717.0	781.9	843.6	903.0	967.0	1028.2	1086.0	1134.7	1168.6
-65°	454.2	504.7	549.0	593.9	639.6	691.8	744.6	794.6	841.3	880.0	908.9
-67.5°	308.5	354.7	395.4	433.6	468.7	504.3	542.1	578.4	612.9	641.4	663.8
-70°	186.5	212.5	235.7	261.5	292.1	322.1	352.0	379.7	404.9	425.5	441.9
-72.5°	101.4	112.4	124.2	142.8	159.8	176.8	193.6	209.0	223.0	235.4	246.1
-75°	54.5	59.3	67.8	75.5	82.4	89.3	95.9	102.0	107.5	112.1	115.8
-77.5°	42.1	44.4	46.5	48.3	49.9	51.4	52.9	54.3	55.6	57.0	58.1
-80°	32.4	33.9	35.5	37.0	38.3	39.4	40.2	40.9	41.5	42.3	43.1
-82.5°	26.0	26.7	27.4	28.2	29.0	29.8	30.5	31.3	32.1	32.4	32.7
-85°	21.2	21.5	21.8	22.1	22.3	22.6	22.8	23.0	23.1	23.2	23.3
-87.5°	17.2	17.2	17.2	17.3	17.3	17.8	18.4	18.9	19.4	19.5	19.5
-90°	1.9	1.4	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701463 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-2S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.0
87.5°	0.0	0.0	0.9	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.5
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
75°	3.8	3.9	3.9	3.9	3.9	3.9	3.8	3.7	3.6	3.6	3.8
72.5°	6.2	5.8	5.8	5.8	5.8	5.8	6.2	6.6	6.8	7.1	7.6
70°	7.7	7.7	7.8	7.8	7.8	7.7	7.7	7.7	7.7	8.4	10.0
67.5°	8.3	7.9	6.9	5.8	6.9	7.9	8.3	8.7	9.1	9.9	11.5
65°	7.9	7.8	6.9	5.8	6.9	7.8	7.9	8.0	8.2	9.2	10.8
62.5°	7.2	7.7	6.9	5.8	6.9	7.7	7.2	6.8	6.5	7.3	8.7
60°	7.1	7.6	7.8	7.8	7.8	7.6	7.1	6.5	5.9	6.4	7.4
57.5°	7.7	7.8	7.8	7.8	7.8	7.8	7.7	7.5	7.1	7.1	7.2
55°	7.8	7.8	8.5	9.7	8.5	7.8	7.8	7.8	7.8	8.1	8.1
52.5°	9.4	9.6	9.7	9.7	9.7	9.6	9.4	9.2	9.0	9.0	9.2
50°	11.4	11.6	11.7	11.7	11.7	11.6	11.4	11.1	10.9	10.7	10.1
47.5°	16.5	15.9	15.5	15.6	15.5	15.9	16.5	16.6	16.3	15.5	13.8
45°	27.2	27.1	27.0	27.3	27.0	27.1	27.2	26.8	38.0	39.6	24.3
42.5°	54.5	49.1	44.9	46.7	44.9	49.1	54.5	56.0	92.6	119.2	127.2
40°	160.3	110.1	63.8	64.3	63.8	110.1	160.3	179.5	163.4	204.1	214.4
37.5°	149.7	120.8	109.0	107.1	109.0	120.8	149.7	187.8	177.5	126.1	158.4
35°	247.1	245.6	234.8	233.7	234.8	245.6	247.1	246.2	230.1	192.3	222.3
32.5°	602.9	627.6	619.6	609.6	619.6	627.6	602.9	577.0	509.9	461.0	458.4
30°	1260.2	1315.1	1304.0	1334.1	1304.0	1315.1	1260.2	1197.0	1063.9	991.4	880.7
27.5°	2090.2	2126.1	2089.0	2078.1	2089.0	2126.1	2090.2	2016.0	1882.0	1756.0	1544.4
25°	3289.7	3359.4	3391.4	3457.0	3391.4	3359.4	3289.7	3100.9	2824.5	2697.2	2479.2
22.5°	7396.6	7827.6	7606.2	7408.6	7606.2	7827.6	7396.6	5891.0	4680.0	4118.0	3663.9
20°	21706.9	25540.7	25258.2	24753.7	25258.2	25540.7	21706.9	15198.7	12019.8	7412.3	5883.1
17.5°	52341.7	64119.9	71454.9	75314.8	71454.9	64119.9	52341.7	37654.3	28264.6	18006.6	10672.7
15°	97647.6	117458.6	129090.6	135687.8	129090.6	117458.6	97647.6	72779.6	51825.3	34509.0	19312.2
12.5°	154032.5	185083.5	205682.9	209620.8	205682.9	185083.5	154032.5	118318.9	81170.7	53180.0	31081.1
10°	216119.9	255889.1	288687.6	300649.6	288687.6	255889.1	216119.9	167663.5	120320.7	76605.6	41921.5
7.5°	269144.5	319894.6	363446.3	378936.4	363446.3	319894.6	269144.5	212772.8	151823.2	97016.9	55991.7
5°	307701.9	375023.7	414445.4	425082.3	414445.4	375023.7	307701.9	240748.0	175485.9	113636.8	63783.8
2.5°	339087.8	402992.8	445258.2	467049.7	445258.2	402992.8	339087.8	258692.0	188954.4	125256.2	69938.4
0°	352887.5	414300.5	459883.6	491855.0	459883.6	414300.5	352887.5	268964.5	197401.6	129728.2	71427.4
-2.5°	335928.6	398732.1	431157.5	445170.7	431157.5	398732.1	335928.6	257261.3	188001.8	124546.4	70128.5
-5°	285609.7	344813.1	377403.1	387757.0	377403.1	344813.1	285609.7	225546.1	166215.7	109232.4	62753.6
-7.5°	222787.4	263803.6	291921.3	301720.8	291921.3	263803.6	222787.4	177693.0	131092.8	86714.6	50411.5
-10°	167754.1	197169.7	212237.6	217330.3	212237.6	197169.7	167754.1	132377.1	96765.0	63311.6	35677.1
-12.5°	115189.0	137333.3	147073.3	153472.1	147073.3	137333.3	115189.0	89876.0	63813.1	42515.0	26192.8
-15°	70855.9	85292.3	92961.8	97340.0	92961.8	85292.3	70855.9	53520.8	39289.6	25869.5	15699.1
-17.5°	43048.6	50896.0	55978.5	58281.3	55978.5	50896.0	43048.6	32695.6	24302.5	15536.1	9668.7
-20°	26725.7	31950.5	34918.2	36620.3	34918.2	31950.5	26725.7	20241.7	14784.4	9396.8	6978.5



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-2S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	15013.7	17880.5	19488.0	20048.4	19488.0	17880.5	15013.7	11305.7	8488.5	6796.5	5655.5
-25°	8349.0	9078.7	9398.0	9473.0	9398.0	9078.7	8349.0	7225.6	6147.1	5663.5	5173.8
-27.5°	6371.3	6526.9	6625.5	6654.9	6625.5	6526.9	6371.3	6099.3	5785.6	5497.2	5203.7
-30°	6111.5	6127.8	6154.9	6150.5	6154.9	6127.8	6111.5	6003.1	5889.0	5644.7	5441.9
-32.5°	6157.9	6163.9	6169.4	6160.2	6169.4	6163.9	6157.9	6056.4	5912.2	5733.3	5554.6
-35°	6139.6	6157.2	6171.1	6177.7	6171.1	6157.2	6139.6	6046.9	5877.1	5692.9	5511.0
-37.5°	6026.0	6050.3	6062.2	6051.1	6062.2	6050.3	6026.0	5949.1	5755.6	5554.8	5316.7
-40°	5817.7	5835.2	5836.4	5827.2	5836.4	5835.2	5817.7	5764.7	5543.9	5295.8	4937.5
-42.5°	5576.0	5637.5	5666.6	5667.5	5666.6	5637.5	5576.0	5481.6	5171.6	4763.0	4180.1
-45°	5009.0	5265.7	5418.0	5455.2	5418.0	5265.7	5009.0	4678.0	4155.9	3552.0	2943.7
-47.5°	3419.3	3674.4	3840.2	3902.9	3840.2	3674.4	3419.3	3118.7	2742.5	2330.8	1941.9
-50°	2081.3	2112.3	2125.9	2122.9	2125.9	2112.3	2081.3	2050.7	2008.7	1945.4	1883.2
-52.5°	2041.0	2065.4	2080.5	2087.8	2080.5	2065.4	2041.0	2016.2	1984.0	1919.2	1852.8
-55°	1959.8	1990.4	2006.1	2009.9	2006.1	1990.4	1959.8	1922.6	1877.4	1788.9	1698.9
-57.5°	1718.5	1745.1	1760.4	1766.5	1760.4	1745.1	1718.5	1685.1	1645.5	1570.2	1488.1
-60°	1458.7	1481.0	1490.7	1491.8	1490.7	1481.0	1458.7	1429.6	1393.7	1332.5	1263.0
-62.5°	1196.8	1219.0	1226.3	1225.0	1226.3	1219.0	1196.8	1168.6	1134.7	1086.0	1028.2
-65°	933.1	952.5	956.3	952.4	956.3	952.5	933.1	908.9	880.0	841.3	794.6
-67.5°	682.7	697.8	702.1	701.1	702.1	697.8	682.7	663.8	641.4	612.9	578.4
-70°	454.9	464.6	464.3	459.6	464.3	464.6	454.9	441.9	425.5	404.9	379.7
-72.5°	255.3	262.6	268.6	272.7	268.6	262.6	255.3	246.1	235.4	223.0	209.0
-75°	118.9	121.2	124.2	126.6	124.2	121.2	118.9	115.8	112.1	107.5	102.0
-77.5°	59.2	60.1	61.2	62.3	61.2	60.1	59.2	58.1	57.0	55.6	54.3
-80°	43.9	44.6	44.8	44.8	44.8	44.6	43.9	43.1	42.3	41.5	40.9
-82.5°	32.8	33.0	33.1	33.1	33.1	33.0	32.8	32.7	32.4	32.1	31.3
-85°	23.3	23.4	24.3	25.3	24.3	23.4	23.3	23.3	23.2	23.1	23.0
-87.5°	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.4	18.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	16.6	16.1	15.6	15.6	15.6	15.6	15.6	15.1	14.6	14.1	13.6
87.5°	0.9	1.3	1.7	1.7	1.8	1.8	1.9	1.9	1.9	1.9	1.9
85°	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.1	2.2	2.2	2.2
80°	1.9	1.9	1.9	2.2	2.4	2.5	2.5	2.8	3.1	3.4	3.6
77.5°	1.9	1.9	2.1	2.8	3.4	3.8	4.2	4.4	4.6	4.8	4.9
75°	3.8	3.8	4.0	4.8	5.3	5.5	5.6	5.5	5.5	5.6	5.8
72.5°	7.9	8.0	8.7	10.1	11.0	11.7	11.8	11.0	9.6	7.4	5.8
70°	11.4	12.5	14.5	17.4	19.6	20.8	21.5	21.0	19.1	17.0	13.0
67.5°	13.2	15.0	18.2	22.2	25.2	27.8	31.0	34.0	34.3	32.1	23.2
65°	12.6	14.6	17.3	20.1	23.9	28.7	35.8	40.3	43.0	44.2	36.4
62.5°	10.1	11.5	13.3	15.8	18.9	23.9	32.9	40.6	47.2	48.5	41.0
60°	8.5	9.8	10.9	12.4	14.1	18.4	26.9	36.7	48.0	46.8	42.0
57.5°	7.5	8.4	9.7	10.8	11.6	14.7	20.6	28.7	39.1	40.2	38.5
55°	7.9	8.2	9.1	10.4	11.7	13.0	15.3	20.4	27.7	30.0	30.5
52.5°	9.6	9.3	9.2	9.4	10.6	12.0	13.1	15.8	18.3	21.5	23.3
50°	9.8	10.1	10.0	9.7	10.7	11.7	12.7	13.6	15.0	16.6	17.8
47.5°	13.5	13.4	12.0	11.5	13.7	13.0	13.8	14.5	15.3	14.9	15.8
45°	29.0	28.4	19.6	20.4	22.1	22.1	18.1	19.4	18.7	17.5	15.5
42.5°	91.4	68.9	60.5	44.7	35.7	35.6	33.6	30.8	28.1	23.2	22.2
40°	153.5	122.8	101.1	82.7	64.4	52.8	55.6	47.3	42.3	36.0	35.8
37.5°	163.9	115.3	134.0	126.9	101.5	96.0	95.9	79.8	58.9	71.2	70.2
35°	201.1	191.8	208.4	203.2	163.9	193.1	175.5	137.2	115.6	128.6	120.7
32.5°	406.5	412.8	390.5	361.5	351.9	347.6	315.1	242.6	230.7	221.6	194.8
30°	776.3	746.7	688.1	651.9	641.0	571.1	503.6	508.7	439.4	340.3	290.9
27.5°	1417.0	1197.1	1109.2	1153.3	1042.5	901.8	885.2	898.2	724.6	549.1	419.5
25°	2296.9	1977.4	1897.2	1869.9	1665.8	1467.6	1421.7	1363.1	1163.7	824.6	579.6
22.5°	3396.4	3085.9	2897.3	2787.1	2518.6	2300.4	2102.5	1886.9	1684.8	1234.4	859.7
20°	4592.5	4214.6	3914.7	3687.5	3451.7	3158.4	2861.0	2489.6	2172.7	1744.8	1199.4
17.5°	6869.7	5369.6	4791.0	4505.8	4277.5	3997.2	3510.0	3029.2	2655.9	2279.7	1574.4
15°	9985.3	6933.1	5652.2	5206.7	4920.4	4469.6	4014.8	3502.6	3130.3	2763.3	1998.7
12.5°	16677.3	8912.0	6415.7	5592.4	5171.2	4792.6	4414.8	3951.3	3504.4	3021.6	2301.3
10°	22926.2	12043.5	7497.9	5974.0	5374.3	5008.9	4631.0	4094.3	3588.1	3158.6	2558.4
7.5°	30287.2	15785.4	8601.0	6273.4	5542.0	5090.2	4629.4	4079.9	3630.1	3251.6	2770.5
5°	34856.4	18339.0	9290.8	6483.3	5657.8	5184.5	4626.9	4004.5	3636.6	3308.0	2938.1
2.5°	37390.9	19709.3	9610.5	6621.4	5732.6	5285.4	4671.8	3968.3	3636.3	3319.3	2989.8
0°	37685.6	19991.9	9572.3	6635.4	5776.5	5375.3	4777.4	3982.8	3628.3	3310.9	3001.2
-2.5°	36997.1	19408.7	9444.7	6579.4	5751.6	5362.4	4952.2	4139.5	3716.2	3348.2	2987.9
-5°	33326.2	17364.5	8818.3	6267.3	5522.6	5178.2	4847.0	4165.4	3717.7	3344.4	2934.7
-7.5°	27261.2	14329.7	7915.4	5873.9	5231.7	4912.7	4577.0	4034.0	3564.6	3212.9	2764.2
-10°	19507.7	10510.3	6763.3	5446.0	4932.3	4631.9	4330.8	3852.4	3397.0	3067.6	2561.9
-12.5°	14192.1	7795.2	5702.4	4969.9	4625.5	4394.3	4141.3	3645.2	3217.4	2910.1	2332.2
-15°	8843.3	6310.5	5217.2	4672.7	4341.4	4171.2	3974.5	3532.9	3183.2	2792.9	2078.6
-17.5°	6784.9	5330.0	4805.1	4462.3	4209.8	4008.8	3820.3	3508.4	3169.1	2695.9	1854.6
-20°	5547.9	5036.7	4633.4	4342.4	4144.9	3972.1	3741.4	3498.7	3119.2	2438.2	1637.5



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5218.5	4942.6	4624.3	4325.5	4096.3	3899.2	3679.1	3433.5	3036.4	2097.7	1399.7
-25°	5082.7	4942.7	4702.0	4445.3	4111.8	3820.3	3603.3	3280.7	2619.6	1761.3	1180.4
-27.5°	5129.8	5017.0	4867.7	4591.5	4231.4	3803.3	3459.4	3044.4	2143.8	1476.8	1167.2
-30°	5308.9	5161.8	4979.3	4738.9	4320.2	3857.9	3330.8	2496.9	1761.9	1244.5	1157.6
-32.5°	5431.7	5205.1	4989.8	4742.7	4357.3	3843.1	2874.3	1978.2	1385.0	1231.5	1157.3
-35°	5336.0	5063.8	4783.1	4537.8	4317.1	3242.2	2257.7	1563.6	1298.4	1219.0	1154.8
-37.5°	5047.2	4713.1	4425.7	4096.6	3299.3	2427.6	1691.2	1390.4	1289.4	1209.3	1113.3
-40°	4576.8	4246.5	3629.2	2956.7	2323.5	1682.2	1482.4	1386.2	1294.1	1172.6	1051.4
-42.5°	3656.5	3094.8	2563.9	2046.5	1622.1	1556.6	1480.1	1393.9	1275.7	1122.8	981.4
-45°	2528.3	2118.7	1728.1	1671.7	1610.2	1549.2	1489.6	1364.0	1215.9	1058.6	909.6
-47.5°	1829.9	1776.4	1721.5	1665.7	1606.7	1533.6	1418.7	1292.1	1130.7	980.6	849.8
-50°	1819.2	1760.9	1706.7	1642.7	1533.5	1424.7	1306.2	1178.6	1032.9	901.4	778.4
-52.5°	1778.4	1686.7	1595.0	1501.8	1398.2	1284.9	1168.3	1054.7	932.2	809.8	694.4
-55°	1608.2	1517.1	1426.7	1335.7	1244.6	1141.3	1036.4	928.6	818.9	707.3	607.0
-57.5°	1402.9	1320.1	1243.0	1165.8	1089.0	991.9	890.0	791.2	698.7	603.5	515.7
-60°	1191.9	1121.7	1052.1	979.7	905.2	822.0	734.8	651.4	572.5	501.7	431.1
-62.5°	967.0	903.0	843.6	781.9	717.0	647.7	580.2	522.1	463.9	403.2	336.6
-65°	744.6	691.8	639.6	593.9	549.0	504.7	454.2	400.0	344.6	290.2	235.2
-67.5°	542.1	504.3	468.7	433.6	395.4	354.7	308.5	262.0	225.0	190.2	152.0
-70°	352.0	322.1	292.1	261.5	235.7	212.5	186.5	158.5	129.2	108.5	91.1
-72.5°	193.6	176.8	159.8	142.8	124.2	112.4	101.4	88.8	75.4	61.2	50.9
-75°	95.9	89.3	82.4	75.5	67.8	59.3	54.5	51.3	48.0	44.9	41.6
-77.5°	52.9	51.4	49.9	48.3	46.5	44.4	42.1	39.8	37.9	36.0	34.1
-80°	40.2	39.4	38.3	37.0	35.5	33.9	32.4	31.1	29.8	28.8	27.7
-82.5°	30.5	29.8	29.0	28.2	27.4	26.7	26.0	25.2	24.4	23.4	22.3
-85°	22.8	22.6	22.3	22.1	21.8	21.5	21.2	20.7	20.1	19.6	19.1
-87.5°	18.4	17.8	17.3	17.3	17.2	17.2	17.2	17.0	16.8	16.6	16.4
-90°	0.0	0.0	0.0	0.5	1.0	1.4	1.9	1.9	1.9	1.9	1.9



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	13.1	12.7	12.2	11.7	11.7	11.7	11.7	11.7	11.2	10.7	10.2
87.5°	2.2	2.5	2.8	3.0	3.2	3.4	3.6	3.9	4.1	4.2	4.3
85°	2.4	2.9	3.4	3.9	3.9	3.9	3.9	3.9	4.3	4.6	4.8
82.5°	2.5	2.9	3.4	3.9	4.2	4.4	4.5	4.4	4.6	4.9	5.2
80°	3.5	3.5	3.7	4.0	4.5	4.9	5.2	5.2	5.1	5.2	5.5
77.5°	4.6	4.3	4.0	4.0	4.5	5.0	5.4	5.8	5.7	5.5	5.6
75°	5.8	5.5	5.1	4.8	4.8	5.0	5.5	5.8	5.8	5.8	5.7
72.5°	5.8	5.8	5.8	5.8	5.5	5.4	5.6	5.8	5.8	5.8	5.8
70°	9.1	6.4	5.8	5.8	5.8	5.8	5.7	5.9	5.8	5.8	5.8
67.5°	14.8	10.4	7.4	6.1	5.8	5.8	5.8	6.0	6.1	5.8	5.8
65°	25.9	16.7	9.5	7.9	6.5	5.8	5.8	6.2	6.4	6.2	5.8
62.5°	33.5	25.2	16.6	10.8	7.9	6.6	5.8	6.3	6.8	6.7	6.2
60°	37.1	29.2	23.0	16.6	10.9	7.6	6.6	6.4	6.9	7.2	6.7
57.5°	34.2	31.3	26.7	21.3	15.3	9.9	7.5	7.0	6.9	7.4	7.3
55°	29.2	27.3	28.5	24.7	19.0	13.2	9.2	7.8	7.2	7.5	7.8
52.5°	23.0	24.6	27.2	26.7	22.0	16.2	11.9	8.6	7.9	7.6	8.0
50°	18.4	22.1	26.0	27.2	24.6	19.3	14.3	10.6	8.6	7.8	8.1
47.5°	17.0	20.6	24.1	27.8	26.4	22.2	16.9	12.4	9.3	8.4	8.2
45°	18.8	20.2	23.0	26.3	28.7	24.5	19.5	14.0	10.7	9.1	8.3
42.5°	23.0	23.2	23.3	25.1	28.2	26.5	22.0	16.1	11.9	9.8	8.7
40°	32.9	29.4	25.5	27.6	28.2	28.3	23.8	18.3	12.9	10.7	9.3
37.5°	45.9	39.8	32.8	34.6	30.7	29.1	25.4	20.3	14.5	11.8	10.0
35°	88.6	54.3	55.8	51.4	40.4	30.6	27.0	22.0	16.8	12.9	10.7
32.5°	143.8	104.5	102.9	79.4	53.5	32.8	28.6	24.4	19.2	14.0	11.4
30°	236.0	217.2	171.1	114.7	73.8	45.0	31.7	27.0	21.6	15.0	12.2
27.5°	381.3	351.4	264.2	177.6	107.6	60.9	37.3	29.7	24.1	16.4	13.1
25°	528.3	490.2	393.4	261.0	146.2	94.5	44.2	32.7	26.4	18.3	13.9
22.5°	675.2	625.4	536.7	357.1	204.6	137.8	61.7	38.0	28.7	20.2	14.6
20°	815.4	759.7	680.6	437.4	275.6	189.3	93.4	44.0	31.1	22.1	15.4
17.5°	978.4	861.9	742.9	522.0	346.2	241.0	129.9	50.5	33.5	23.9	16.0
15°	1229.1	923.2	799.3	597.3	407.4	292.4	170.2	57.4	35.8	25.6	16.7
12.5°	1456.9	980.3	855.0	663.5	459.9	343.0	212.8	64.5	38.1	27.1	17.3
10°	1669.9	1033.2	909.0	720.6	504.7	392.4	256.3	71.8	41.0	28.3	17.8
7.5°	1862.9	1081.8	960.2	768.9	539.6	424.6	285.7	79.0	44.1	29.3	18.3
5°	2015.0	1120.2	1002.4	803.3	553.0	436.8	309.0	85.8	47.1	30.1	18.8
2.5°	2065.3	1144.7	1036.1	830.0	563.4	445.0	327.5	92.0	50.0	30.7	19.2
0°	2076.1	1164.7	1063.4	849.1	570.6	449.9	340.8	97.4	52.6	31.2	19.5
-2.5°	2065.8	1166.9	1064.6	865.4	593.0	463.7	352.9	121.4	69.3	40.6	24.1
-5°	2018.8	1165.5	1060.4	873.7	611.4	474.8	360.3	144.1	85.2	49.6	28.4
-7.5°	1894.0	1149.7	1045.8	872.7	625.0	483.3	363.8	165.0	100.0	58.0	32.5
-10°	1733.0	1123.2	1018.4	854.2	633.9	493.6	365.0	184.0	113.4	65.6	36.2
-12.5°	1550.8	1093.0	991.3	833.3	639.6	505.4	368.3	200.1	124.9	72.0	39.3
-15°	1351.9	1059.3	966.1	811.8	642.4	514.5	368.1	213.2	134.6	78.4	41.8
-17.5°	1147.2	1022.0	944.2	791.1	642.7	520.9	364.7	223.1	142.8	84.7	44.7
-20°	1108.2	1006.3	923.9	772.7	640.8	524.6	358.3	229.6	149.2	89.4	47.5



REPORT NUMBER: P701463 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-2S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1098.8	1011.3	907.9	763.4	638.6	525.7	349.3	232.3	153.7	92.5	49.2
-25°	1088.9	1017.4	891.0	752.6	635.9	510.2	344.4	231.0	156.3	93.6	49.7
-27.5°	1089.8	1015.8	869.3	734.6	621.4	492.5	341.8	232.8	157.2	92.9	48.8
-30°	1096.9	987.2	843.8	711.0	601.7	463.1	333.8	232.3	156.0	91.4	46.5
-32.5°	1089.5	953.7	810.5	685.4	569.4	432.3	317.1	229.1	152.2	88.8	45.1
-35°	1041.3	908.5	769.4	653.7	532.3	408.1	299.5	223.4	145.4	84.1	43.4
-37.5°	987.8	854.0	729.0	614.8	494.4	380.9	285.5	209.6	135.9	77.2	40.7
-40°	925.1	800.0	684.3	572.6	459.7	350.7	268.0	192.5	125.6	68.3	36.9
-42.5°	859.6	747.8	636.7	529.6	423.6	327.3	246.8	172.7	111.3	61.2	32.2
-45°	799.5	691.4	584.6	484.0	385.7	299.9	221.6	150.8	94.9	54.6	28.6
-47.5°	734.7	629.4	529.9	434.9	350.3	268.5	193.3	130.2	76.8	46.5	27.4
-50°	662.1	564.8	472.8	388.0	309.5	233.2	163.5	107.4	65.8	37.0	26.1
-52.5°	590.4	499.2	416.8	340.0	265.1	194.5	135.3	83.8	53.7	32.4	24.5
-55°	514.6	434.9	360.7	287.1	217.0	158.0	104.8	68.8	40.6	30.1	22.8
-57.5°	440.7	370.1	298.2	229.6	171.0	120.2	81.2	52.6	35.2	27.5	22.2
-60°	362.8	295.1	230.4	175.3	125.7	88.2	61.5	39.8	31.9	25.1	21.5
-62.5°	273.6	217.0	168.9	121.8	89.0	64.2	43.5	35.5	28.3	24.0	20.6
-65°	191.2	148.3	108.5	84.2	61.1	44.2	38.1	31.0	26.4	22.9	19.7
-67.5°	114.7	93.9	73.1	52.2	43.5	38.0	32.4	28.3	24.8	21.6	18.7
-70°	73.1	55.1	46.4	41.6	36.7	32.2	29.4	26.4	23.2	20.3	17.7
-72.5°	46.9	42.8	38.5	34.4	31.7	29.1	26.8	24.3	21.5	18.9	16.6
-75°	38.0	35.2	32.7	30.3	28.0	26.0	24.2	22.1	19.7	17.5	15.5
-77.5°	31.9	29.8	27.9	26.3	24.7	23.2	21.6	19.9	17.9	16.2	14.4
-80°	26.4	25.2	24.1	23.0	21.7	20.3	19.2	18.1	16.5	15.0	13.3
-82.5°	21.6	21.0	20.4	19.7	18.8	18.0	17.3	16.6	15.1	13.7	12.4
-85°	18.5	17.9	17.2	16.4	16.0	15.6	15.3	15.0	13.8	12.7	11.7
-87.5°	15.8	15.2	14.5	13.9	13.8	13.6	13.5	13.3	12.5	11.7	10.9
-90°	1.9	1.9	1.9	1.9	2.4	2.9	3.4	3.9	3.9	3.9	3.9



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.7	9.2	8.8	8.3	7.8	6.8	5.8
87.5°	4.4	4.7	5.0	5.4	5.8	5.8	5.8
85°	4.9	5.0	5.2	5.5	5.8	5.9	5.8
82.5°	5.4	5.3	5.4	5.5	5.8	5.9	5.8
80°	5.8	5.6	5.5	5.6	5.8	6.0	5.8
77.5°	5.8	5.8	5.7	5.6	5.8	6.0	5.8
75°	5.9	6.0	5.8	5.7	5.8	6.1	5.8
72.5°	5.9	6.1	6.0	5.8	5.9	6.1	5.8
70°	6.0	6.3	6.2	5.8	5.9	6.2	5.8
67.5°	6.0	6.4	6.4	6.0	5.9	6.2	5.8
65°	6.1	6.5	6.6	6.2	6.0	6.3	5.8
62.5°	6.1	6.6	6.8	6.4	6.0	6.3	5.8
60°	6.2	6.6	7.1	6.6	6.1	6.4	5.8
57.5°	6.6	6.7	7.1	6.9	6.2	6.4	5.8
55°	7.1	6.7	7.2	7.1	6.4	6.5	5.8
52.5°	7.6	6.9	7.2	7.3	6.6	6.5	5.8
50°	8.1	7.3	7.3	7.5	6.7	6.6	5.8
47.5°	8.5	7.6	7.3	7.7	6.8	6.7	5.8
45°	8.6	8.0	7.4	7.7	7.0	6.7	5.8
42.5°	8.7	8.4	7.4	7.8	7.1	6.8	5.8
40°	8.8	8.8	7.6	7.8	7.2	6.8	5.8
37.5°	8.9	9.1	7.9	7.9	7.3	6.9	5.8
35°	9.0	9.3	8.2	7.9	7.4	7.0	5.8
32.5°	9.2	9.4	8.4	8.0	7.5	7.0	5.8
30°	9.8	9.4	8.7	8.1	7.5	7.1	5.8
27.5°	10.4	9.5	8.9	8.2	7.6	7.2	5.8
25°	11.0	9.6	9.1	8.3	7.6	7.2	5.8
22.5°	11.5	9.7	9.2	8.4	7.7	7.3	5.8
20°	12.1	9.9	9.4	8.6	7.7	7.4	5.8
17.5°	12.7	10.1	9.5	8.7	7.7	7.4	5.8
15°	13.2	10.3	9.6	8.8	7.8	7.5	5.8
12.5°	13.7	10.5	9.6	9.0	7.8	7.5	5.8
10°	14.2	10.7	9.7	9.1	7.8	7.6	5.8
7.5°	14.6	11.0	9.7	9.3	7.8	7.7	5.8
5°	15.0	11.2	9.7	9.4	7.8	7.7	5.8
2.5°	15.3	11.5	9.7	9.6	7.8	7.8	5.8
0°	15.6	11.7	9.7	9.7	7.8	7.8	5.8
-2.5°	17.1	12.3	10.0	9.8	7.9	7.8	5.8
-5°	18.6	12.9	10.4	9.9	8.0	7.9	5.8
-7.5°	20.0	13.5	10.7	10.0	8.0	7.9	5.8
-10°	21.2	14.0	11.0	10.1	8.1	7.9	5.8
-12.5°	22.2	14.5	11.3	10.2	8.2	8.0	5.8
-15°	23.1	14.9	11.6	10.3	8.3	8.0	5.8
-17.5°	23.7	15.3	11.9	10.3	8.4	8.0	5.8
-20°	24.5	15.6	12.1	10.4	8.5	8.0	5.8



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-2S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	25.4	15.8	12.3	10.4	8.5	8.0	5.8
-25°	25.8	16.1	12.4	10.4	8.6	8.0	5.8
-27.5°	25.6	16.3	12.5	10.4	8.7	8.0	5.8
-30°	24.8	16.4	12.6	10.4	8.8	8.0	5.8
-32.5°	23.3	16.4	12.8	10.4	8.8	8.0	5.8
-35°	22.7	16.2	12.9	10.3	8.9	8.0	5.8
-37.5°	22.5	16.1	12.9	10.3	9.0	8.0	5.8
-40°	22.1	16.2	13.0	10.2	9.0	8.0	5.8
-42.5°	21.5	16.2	13.0	10.2	9.1	7.9	5.8
-45°	20.8	16.1	12.9	10.1	9.1	7.9	5.8
-47.5°	19.9	16.0	12.8	10.1	9.2	7.9	5.8
-50°	19.5	15.9	12.7	10.1	9.3	7.8	5.8
-52.5°	19.2	15.7	12.5	10.2	9.3	7.8	5.8
-55°	18.9	15.4	12.3	10.3	9.4	7.7	5.8
-57.5°	18.4	15.1	12.1	10.3	9.4	7.7	5.8
-60°	17.9	14.7	11.9	10.3	9.4	7.6	5.8
-62.5°	17.3	14.2	11.8	10.3	9.3	7.6	5.8
-65°	16.7	13.8	11.6	10.2	9.2	7.5	5.8
-67.5°	16.0	13.3	11.4	10.2	9.1	7.5	5.8
-70°	15.2	12.9	11.2	10.1	9.0	7.4	5.8
-72.5°	14.4	12.4	11.0	9.9	8.9	7.3	5.8
-75°	13.6	11.9	10.7	9.7	8.7	7.3	5.8
-77.5°	12.7	11.4	10.4	9.5	8.6	7.2	5.8
-80°	11.8	10.9	10.1	9.3	8.4	7.1	5.8
-82.5°	11.2	10.5	9.7	9.0	8.3	7.0	5.8
-85°	10.7	10.1	9.4	8.8	8.1	7.0	5.8
-87.5°	10.2	9.7	9.1	8.5	8.0	6.9	5.8
-90°	3.9	4.4	4.9	5.3	5.8	5.8	5.8

(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

