

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: P701479 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-70-7F-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701479 (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-08-0640L-40-70-7F-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

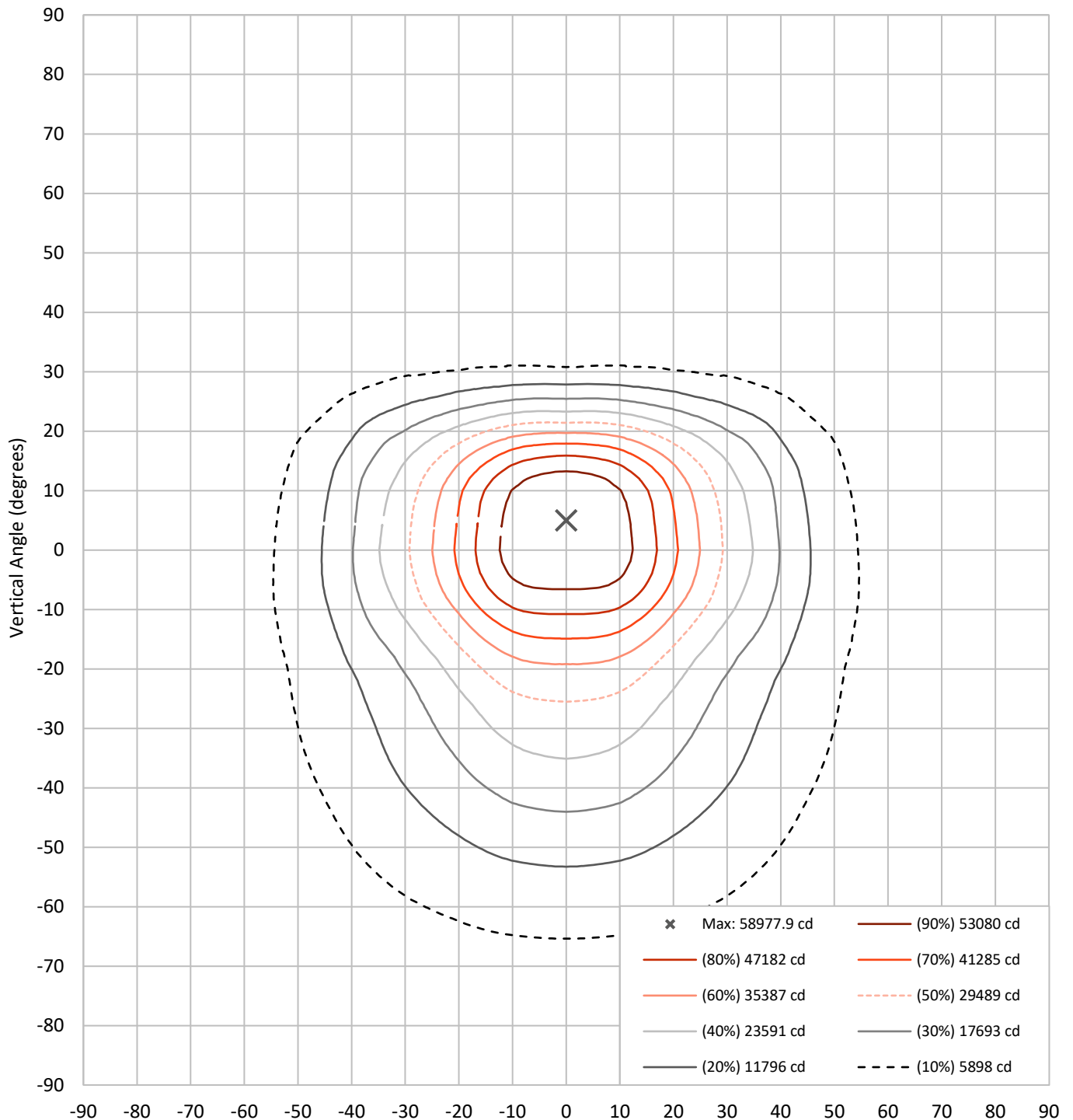
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	57788.5 lumens	Max Intensity:	58977.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	87.8 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:	27795 lumens	Field Lumens:	53571.6 lumens
Beam Efficiency:	48.1%	Field Efficiency:	92.7%

Input Watts (W): 658
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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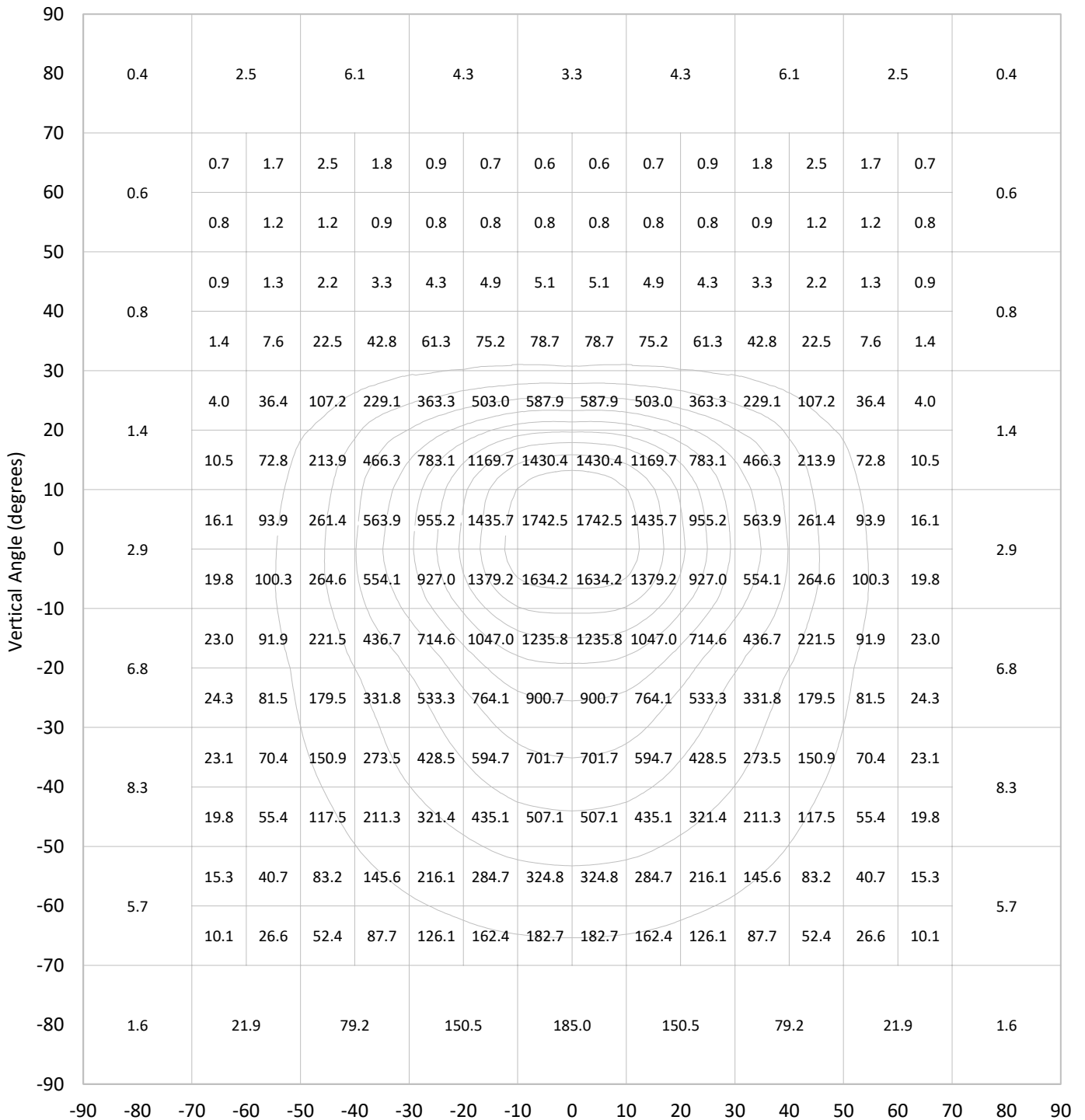
Iso-Candela Plot





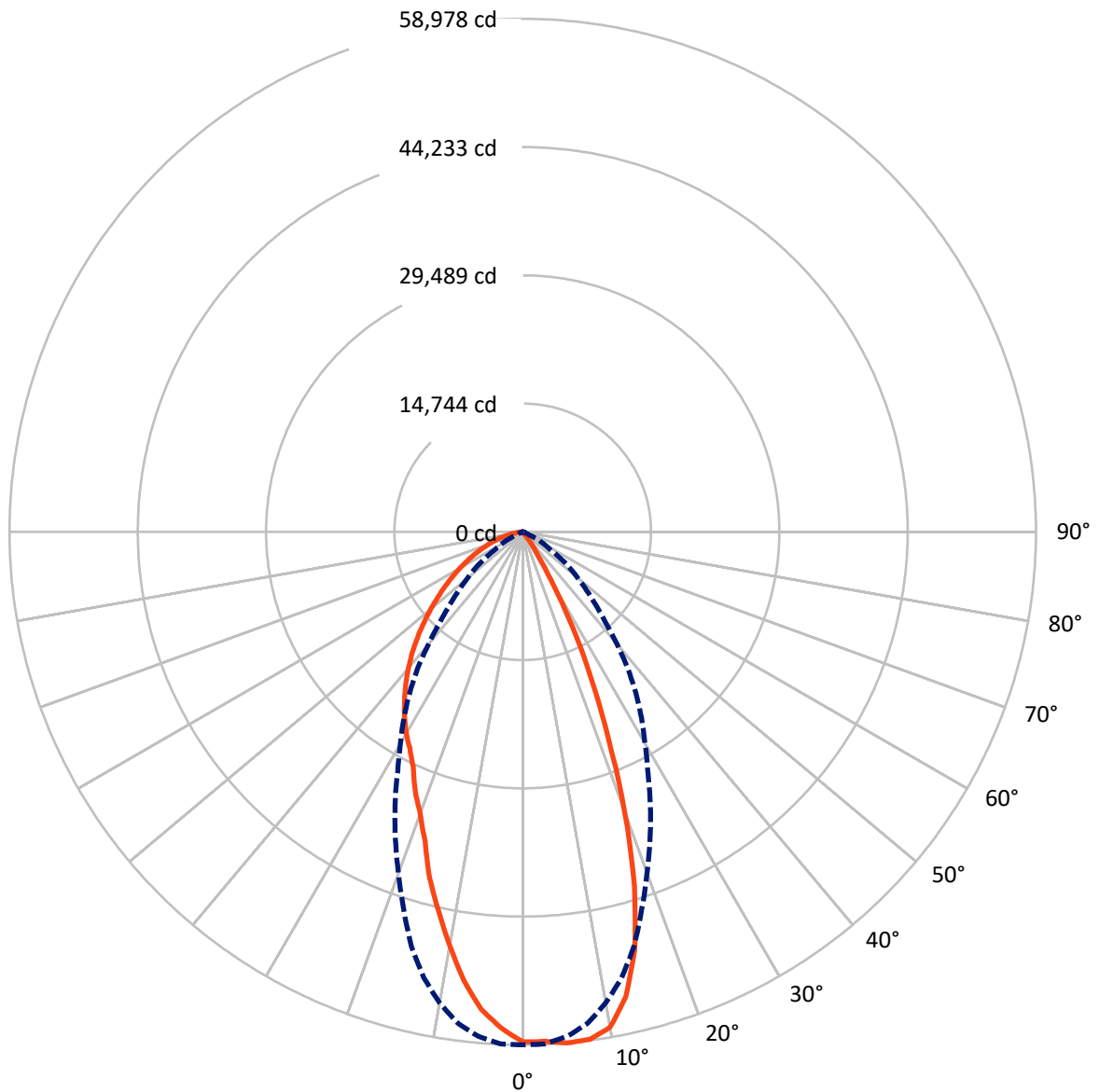
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Lumen Table



REPORT NUMBER: P701479 (CONVERTED FROM TYPE C PHOTOMETRY)
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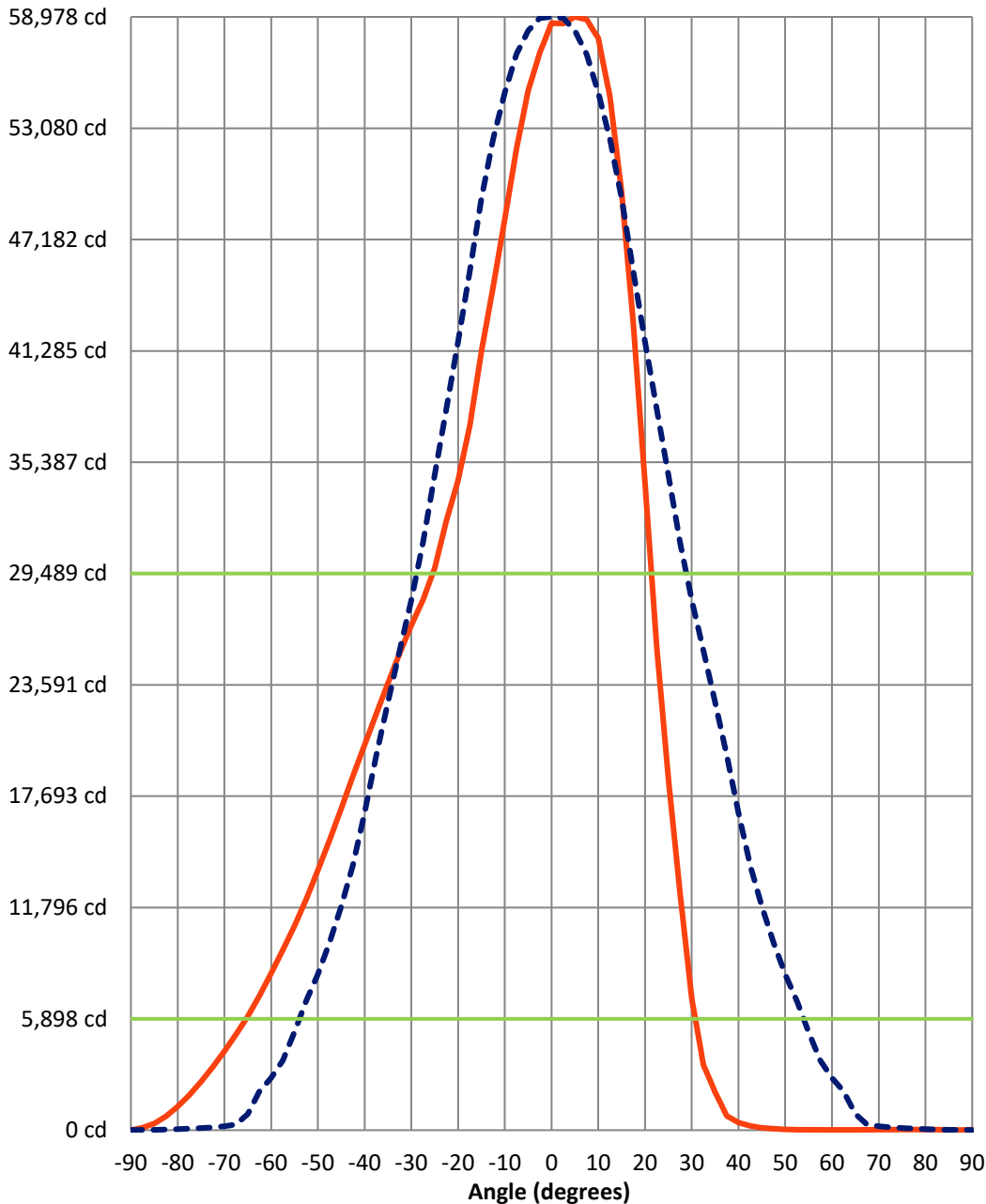
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 57.7°
V Angle: 46.8°
Lumens: 27795
Efficiency: 48.1%

Field:
H Angle: 107.9°
V Angle: 96.1°
Lumens: 53571.6
Efficiency: 92.7%

Spill:
Lumens: 4216.9
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°	8.1	9.1	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1
87.5°	8.1	9.4	10.8	10.9	11.2	11.7	12.3	12.2	11.9	11.6	11.2
85°	8.1	9.7	11.5	12.2	13.3	14.7	16.5	16.7	16.8	16.7	16.4
82.5°	8.1	10.0	12.2	13.5	15.4	17.7	20.6	21.3	21.7	22.8	25.2
80°	8.1	10.3	12.9	14.8	17.4	20.7	24.3	24.7	26.7	30.4	35.9
77.5°	8.1	10.6	13.5	16.1	19.5	22.8	25.2	27.3	31.4	37.7	44.1
75°	8.1	10.9	14.2	17.3	21.1	23.2	26.0	29.7	35.5	40.4	45.3
72.5°	8.1	11.2	14.8	18.5	21.1	23.5	26.7	31.4	36.5	41.5	46.5
70°	8.1	11.4	15.4	19.4	21.1	23.8	27.4	32.2	37.3	42.5	49.0
67.5°	8.1	11.7	16.0	19.3	21.1	24.0	28.2	32.9	38.2	44.9	51.6
65°	8.1	11.9	16.6	19.1	21.0	24.4	29.0	33.5	40.2	47.2	54.5
62.5°	8.1	12.2	17.1	18.8	20.9	25.3	29.8	34.9	42.1	49.5	58.1
60°	8.1	12.4	17.6	18.6	20.7	26.1	30.6	36.5	43.9	52.2	61.3
57.5°	8.1	12.6	17.5	18.3	21.3	26.9	32.2	38.1	45.8	54.6	62.9
55°	8.1	12.9	17.3	18.0	22.0	27.7	33.8	39.9	47.6	56.5	63.9
52.5°	8.1	13.1	17.2	17.6	22.7	28.5	35.3	41.9	49.1	57.6	65.0
50°	8.1	13.2	17.1	17.2	23.4	29.8	36.9	44.0	50.3	58.7	65.3
47.5°	8.1	13.4	17.0	17.0	24.1	31.1	38.5	46.4	51.3	59.8	66.4
45°	8.1	13.6	16.9	17.5	24.7	32.3	40.7	49.0	54.2	61.9	68.4
42.5°	8.1	13.7	16.9	18.0	25.3	33.4	43.1	51.9	57.7	64.7	71.9
40°	8.1	13.9	16.8	18.7	26.0	34.5	45.5	55.2	61.9	68.5	76.4
37.5°	8.1	14.0	16.8	19.7	26.9	35.6	48.1	58.7	67.4	75.1	82.0
35°	8.1	14.1	16.8	20.7	27.6	37.2	50.7	62.5	73.2	83.2	90.0
32.5°	8.1	14.2	16.9	21.7	28.3	39.2	53.5	66.5	79.2	92.2	104.9
30°	8.1	14.3	16.9	22.7	29.0	41.2	56.6	70.9	85.5	102.1	122.1
27.5°	8.1	14.3	17.0	23.8	31.0	43.1	59.8	76.0	92.7	112.9	141.3
25°	8.1	14.4	17.1	24.8	33.4	45.0	63.0	81.1	101.3	127.3	164.5
22.5°	8.1	14.4	17.2	25.9	35.8	47.8	66.3	86.2	110.3	144.1	241.4
20°	8.1	14.4	17.3	27.0	38.4	52.9	69.5	91.3	119.5	161.6	327.5
17.5°	8.1	14.4	17.4	28.1	41.0	58.2	75.4	96.3	128.8	179.8	420.8
15°	8.1	14.4	17.5	29.1	43.6	63.4	83.0	104.0	138.2	198.2	518.9
12.5°	8.1	14.4	17.6	30.1	46.3	68.7	90.5	115.0	152.7	216.5	619.4
10°	8.1	14.4	17.8	31.1	48.9	73.9	97.9	126.1	171.3	244.9	714.1
7.5°	8.1	14.3	17.9	32.0	51.5	79.0	105.1	137.0	189.9	274.3	791.2
5°	8.1	14.3	18.0	32.9	54.0	83.9	112.2	147.6	208.2	302.8	858.4
2.5°	8.1	14.2	18.1	33.7	56.4	88.6	118.9	158.0	225.9	330.1	915.0
0°	8.1	14.1	18.2	34.4	58.6	93.0	125.3	167.8	242.6	355.8	960.1
-2.5°	8.1	14.4	19.6	38.6	68.1	111.2	156.7	220.6	324.9	475.9	1085.4
-5°	8.1	14.6	21.0	42.7	77.3	128.8	187.4	272.0	404.8	592.1	1198.5
-7.5°	8.1	14.8	22.3	46.5	86.2	145.6	216.9	321.3	481.1	702.9	1299.2
-10°	8.1	15.1	23.6	50.2	94.5	161.5	244.8	367.7	552.6	806.4	1387.7
-12.5°	8.1	15.3	24.8	53.6	102.1	176.2	270.8	410.6	618.1	901.2	1470.2
-15°	8.1	15.4	25.9	56.7	109.1	189.5	294.5	449.1	680.2	986.7	1540.8
-17.5°	8.1	15.6	27.0	59.4	115.3	201.2	315.5	490.3	740.2	1062.4	1595.5
-20°	8.1	15.7	27.9	61.7	120.6	211.2	338.5	532.5	793.0	1127.3	1633.5



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.1	15.8	28.8	63.7	124.9	219.3	366.0	569.1	838.1	1180.5	1654.5
-25°	8.1	15.9	29.5	65.2	128.2	231.6	389.5	599.9	875.1	1221.3	1658.1
-27.5°	8.1	16.0	30.1	66.2	130.3	244.1	408.5	624.4	903.6	1253.4	1697.4
-30°	8.1	16.0	30.6	66.7	131.8	253.8	423.0	642.4	927.9	1282.1	1722.3
-32.5°	8.1	16.0	30.9	66.7	136.8	260.7	432.6	657.8	946.2	1299.1	1729.8
-35°	8.1	16.0	31.1	66.2	140.0	264.5	439.5	667.5	955.2	1304.2	1719.7
-37.5°	8.1	15.9	31.1	65.1	141.5	266.3	442.8	670.1	954.8	1297.3	1668.8
-40°	8.1	15.9	31.0	63.5	141.1	267.2	441.5	665.5	945.0	1285.3	1615.2
-42.5°	8.1	15.7	30.7	62.0	140.4	265.3	435.6	653.6	930.1	1241.6	1551.5
-45°	8.1	15.6	30.3	61.3	139.5	260.4	425.0	637.4	907.7	1186.4	1479.6
-47.5°	8.1	15.4	29.7	59.7	137.2	252.7	409.9	618.6	875.4	1123.7	1408.0
-50°	8.1	15.2	29.0	59.2	133.3	242.0	394.9	593.7	821.2	1060.9	1327.4
-52.5°	8.1	15.0	28.1	58.6	127.9	228.6	376.6	562.7	768.4	990.9	1239.0
-55°	8.1	14.8	27.1	57.3	121.1	217.2	354.2	526.6	713.2	914.2	1150.1
-57.5°	8.1	14.5	25.9	55.4	113.0	204.6	328.1	491.8	652.7	839.6	1053.4
-60°	8.1	14.2	24.7	52.9	103.7	190.0	299.3	448.1	589.4	761.3	953.2
-62.5°	8.1	13.8	23.8	49.8	97.2	173.3	275.3	399.4	530.3	677.2	853.9
-65°	8.1	13.5	22.8	46.1	89.7	154.7	248.7	351.5	467.5	599.3	748.2
-67.5°	8.1	13.1	21.7	41.9	81.2	137.5	219.5	310.1	401.4	520.2	649.7
-70°	8.1	12.7	20.6	37.3	71.9	121.9	188.1	266.7	347.7	437.3	552.1
-72.5°	8.1	12.3	19.5	34.1	61.8	105.1	161.8	221.6	292.1	369.9	454.9
-75°	8.1	11.9	18.2	31.2	51.0	87.1	134.9	182.2	234.5	300.5	372.7
-77.5°	8.1	11.5	17.0	28.1	44.1	68.3	106.7	144.3	185.8	232.6	288.0
-80°	8.1	11.0	15.6	24.8	37.9	54.8	77.4	105.3	137.0	172.8	212.7
-82.5°	8.1	10.5	14.3	21.3	31.4	44.3	60.2	72.4	87.1	111.8	139.5
-85°	8.1	10.1	12.9	17.8	24.7	33.6	44.4	52.6	61.4	70.7	80.6
-87.5°	8.1	9.6	11.5	14.2	17.9	22.6	28.3	32.7	37.3	42.2	47.4
-90°	8.1	9.1	10.1	9.6	9.1	8.6	8.1	7.6	7.1	6.6	6.1



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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°	14.1	14.1	14.1	14.1	14.6	15.2	15.7	16.2	17.2	18.2	19.2
87.5°	11.9	12.6	13.4	14.2	13.2	11.9	10.5	8.9	9.4	9.9	10.5
85°	17.7	19.2	21.0	22.3	21.3	20.4	19.8	19.3	20.4	21.3	22.0
82.5°	27.6	29.3	30.3	30.5	31.1	32.1	33.8	37.3	39.7	41.2	42.1
80°	38.5	39.7	40.5	43.2	48.0	53.7	60.0	66.9	69.1	69.4	68.6
77.5°	45.2	47.6	52.4	59.4	67.4	75.3	84.1	93.7	96.5	95.6	93.8
75°	49.1	54.8	63.2	73.4	83.9	94.7	106.1	116.9	119.9	116.5	112.1
72.5°	52.8	61.6	72.7	86.0	97.5	108.6	120.9	134.5	139.2	132.3	124.2
70°	56.6	67.7	80.3	93.4	106.5	119.2	131.2	144.2	151.9	141.2	124.8
67.5°	59.8	72.7	86.1	99.6	111.5	123.9	137.4	143.0	146.4	129.1	110.5
65°	63.6	77.2	89.4	101.4	114.1	119.2	123.6	128.4	127.7	107.8	88.1
62.5°	67.4	78.5	90.3	99.7	102.7	105.8	105.7	102.7	97.9	84.3	67.3
60°	68.7	78.4	86.5	89.6	90.4	87.4	83.6	79.8	74.0	62.5	50.9
57.5°	69.5	74.8	78.5	79.4	75.9	70.2	67.5	61.5	56.5	49.9	40.3
55°	69.2	68.5	70.7	68.8	64.7	60.0	55.3	51.4	45.1	43.1	38.8
52.5°	67.4	64.3	63.3	61.2	58.4	53.7	49.0	45.8	44.3	41.8	38.2
50°	66.7	62.7	57.9	57.7	55.6	52.0	47.1	46.4	46.5	44.3	40.2
47.5°	67.5	62.8	56.7	56.8	57.1	58.3	54.2	52.3	53.0	58.9	52.6
45°	69.8	67.3	60.8	60.7	66.3	73.9	80.6	62.1	80.8	90.1	97.5
42.5°	73.4	74.6	77.9	66.4	87.8	114.8	127.8	134.4	127.5	156.9	187.3
40°	81.6	84.4	107.0	115.8	125.0	180.9	258.5	276.6	210.1	292.2	343.0
37.5°	91.6	120.1	159.4	206.8	202.5	319.3	440.7	533.8	524.6	496.0	710.3
35°	103.1	164.1	270.0	375.7	422.1	532.7	756.7	918.9	1015.4	1073.6	1250.1
32.5°	134.8	216.3	408.2	632.9	826.3	936.0	1147.5	1503.0	1839.4	2040.2	2038.3
30°	190.6	344.6	603.4	948.5	1324.6	1632.9	1807.8	2264.7	2905.8	3361.8	3665.7
27.5°	273.0	500.5	904.4	1404.4	1931.2	2454.8	2803.8	3397.4	4260.2	4955.2	5604.4
25°	373.6	748.2	1243.5	1946.6	2721.2	3386.3	3888.4	4713.5	5806.7	6896.7	7982.8
22.5°	533.9	1035.8	1619.7	2539.3	3593.1	4349.1	5086.4	6092.2	7356.5	8886.8	10542.7
20°	757.3	1370.5	2021.5	3004.5	4465.0	5329.1	6234.4	7434.7	8909.4	10769.2	12980.0
17.5°	998.6	1686.5	2415.5	3511.3	4936.3	6133.7	7349.2	8717.2	10369.8	12527.3	14908.9
15°	1252.5	1983.7	2767.5	3963.9	5377.5	6671.2	8109.4	9888.6	11837.5	14170.7	16661.9
12.5°	1512.8	2262.0	3079.4	4362.5	5798.8	7158.1	8692.0	10542.4	12809.6	15546.5	18161.7
10°	1773.0	2521.2	3353.6	4707.9	6193.9	7593.5	9192.2	11085.6	13392.2	16134.3	18961.0
7.5°	1932.5	2692.3	3577.7	5001.2	6556.3	7976.4	9612.2	11521.9	13795.8	16554.5	19467.8
5°	2053.2	2769.2	3694.1	5201.0	6842.8	8260.1	9939.9	11856.3	14038.7	16810.7	19852.6
2.5°	2147.1	2825.9	3787.1	5349.6	7059.3	8414.3	10135.0	12070.2	14291.9	17128.9	20241.2
0°	2213.3	2864.2	3854.6	5451.5	7222.2	8513.8	10262.2	12198.6	14468.6	17405.5	20587.1
-2.5°	2277.7	2982.6	3991.9	5581.5	7245.7	8528.6	10310.6	12203.8	14468.5	17351.8	20443.7
-5°	2318.1	3081.2	4100.4	5663.3	7221.6	8498.0	10284.0	12130.6	14310.9	17037.2	19912.5
-7.5°	2339.1	3156.7	4178.7	5675.6	7096.9	8318.7	9962.5	11698.5	13790.4	16345.2	18996.3
-10°	2350.3	3202.1	4170.3	5504.8	6837.8	8030.6	9533.3	11196.4	13167.0	15542.8	17995.7
-12.5°	2381.2	3226.7	4132.6	5318.3	6556.5	7704.8	9057.3	10632.2	12443.9	14645.4	16895.9
-15°	2397.9	3239.1	4080.1	5125.8	6260.7	7343.9	8542.0	10011.3	11660.7	13629.9	15626.6
-17.5°	2402.6	3241.4	4016.1	4936.2	5957.8	6950.5	8035.1	9479.2	10980.9	12681.5	14384.4
-20°	2397.3	3235.4	3943.5	4757.8	5660.0	6664.7	7759.6	9019.5	10363.8	11801.8	13220.5



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2384.1	3222.7	3882.4	4631.2	5517.0	6477.5	7484.7	8574.8	9731.6	10980.2	12419.0
-25°	2377.4	3176.4	3841.5	4541.6	5378.6	6280.6	7195.6	8164.1	9172.6	10480.3	11852.5
-27.5°	2367.0	3127.5	3761.3	4417.3	5218.5	6081.6	6939.8	7823.8	8859.2	10034.0	11307.4
-30°	2335.8	3009.3	3652.2	4271.7	5049.1	5880.7	6700.2	7540.5	8520.2	9627.8	10809.2
-32.5°	2247.8	2875.2	3507.2	4129.5	4845.2	5660.4	6452.7	7267.6	8176.4	9168.9	10305.4
-35°	2149.5	2736.8	3344.6	3953.2	4607.0	5393.2	6164.2	6951.8	7795.3	8726.5	9786.1
-37.5°	2077.9	2588.1	3170.5	3754.5	4382.0	5080.5	5836.6	6594.7	7393.3	8280.6	9282.8
-40°	1992.7	2429.6	2993.8	3552.8	4123.9	4767.9	5474.3	6201.9	6951.7	7836.5	8754.9
-42.5°	1897.3	2319.3	2810.6	3338.9	3877.5	4462.9	5093.2	5785.5	6537.8	7361.0	8223.3
-45°	1815.0	2195.4	2627.3	3121.7	3622.1	4152.4	4737.0	5356.0	6099.1	6864.9	7665.8
-47.5°	1721.4	2065.9	2472.1	2892.2	3363.6	3852.6	4369.6	4972.5	5632.6	6349.8	7084.3
-50°	1620.2	1948.5	2295.0	2685.6	3103.4	3551.0	4023.0	4573.1	5175.7	5816.4	6492.4
-52.5°	1518.4	1819.1	2138.0	2478.0	2857.4	3259.6	3696.9	4186.8	4720.1	5281.6	5878.0
-55°	1406.8	1687.6	1977.8	2286.2	2617.1	2982.1	3373.0	3811.0	4269.4	4778.5	5280.1
-57.5°	1292.1	1546.1	1813.8	2099.3	2396.7	2707.0	3061.3	3432.3	3846.6	4281.6	4724.3
-60°	1172.4	1399.9	1642.5	1905.1	2181.4	2460.9	2747.9	3076.6	3428.3	3789.8	4185.5
-62.5°	1046.9	1251.1	1468.0	1700.7	1953.7	2206.7	2464.0	2735.9	3020.8	3345.5	3675.7
-65°	922.4	1098.3	1291.4	1498.5	1715.1	1942.3	2173.1	2406.0	2655.3	2922.8	3200.8
-67.5°	791.2	950.1	1116.1	1291.9	1484.3	1677.2	1878.6	2089.1	2301.0	2517.7	2746.0
-70°	673.0	799.1	943.8	1097.2	1252.5	1410.5	1584.6	1765.3	1949.9	2134.3	2324.0
-72.5°	553.9	662.2	777.9	900.5	1030.9	1161.0	1296.9	1437.9	1587.8	1743.1	1900.7
-75°	445.7	522.5	617.3	719.5	819.1	917.0	1018.9	1133.6	1252.3	1372.0	1491.3
-77.5°	345.8	406.9	472.8	543.2	612.5	691.2	771.8	854.0	939.9	1028.1	1117.5
-80°	250.3	289.0	337.6	390.1	440.4	491.3	543.7	597.2	653.2	715.1	781.8
-82.5°	165.9	193.4	222.4	252.6	280.6	308.4	338.2	374.6	411.4	449.2	487.8
-85°	88.7	96.9	114.0	132.0	149.8	167.7	185.6	203.4	221.7	239.5	256.7
-87.5°	51.4	55.6	59.7	64.0	68.5	73.0	77.5	81.9	88.0	94.0	100.1
-90°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	20.2	20.7	21.2	21.7	22.2	22.7	23.3	23.8	24.3	24.8	25.3
87.5°	11.0	10.2	9.4	8.6	7.7	10.1	12.6	15.1	17.7	16.4	15.0
85°	22.4	22.6	22.7	22.8	22.9	25.6	28.2	30.8	33.2	30.7	27.9
82.5°	42.3	41.7	40.2	38.1	35.3	34.6	33.7	32.4	30.8	29.5	28.3
80°	67.1	63.7	59.3	54.1	48.2	45.2	42.4	39.3	35.9	34.9	34.0
77.5°	90.2	83.9	76.5	68.5	59.9	54.5	49.7	44.4	38.8	37.3	36.3
75°	106.5	98.5	87.9	76.6	64.5	56.2	49.6	43.0	36.5	34.9	34.6
72.5°	115.0	104.0	90.4	74.5	59.3	49.2	43.0	37.4	32.5	30.7	29.9
70°	108.1	91.4	75.8	61.1	47.6	38.6	34.2	30.3	26.9	26.0	26.5
67.5°	91.3	74.5	60.3	47.7	36.8	29.5	26.9	24.9	23.3	22.8	22.7
65°	71.3	57.2	45.6	36.0	28.3	23.8	22.9	22.0	21.2	20.5	19.9
62.5°	52.6	41.8	34.5	29.0	24.9	22.2	21.5	20.6	19.6	18.6	17.8
60°	40.9	32.5	28.8	26.4	24.4	22.6	21.8	21.4	21.1	20.7	20.1
57.5°	35.6	31.3	27.9	26.5	25.4	24.6	24.2	23.7	23.0	22.1	21.4
55°	34.8	31.4	28.5	27.7	27.2	26.6	26.0	25.2	24.4	23.6	23.2
52.5°	34.8	33.4	31.1	30.1	30.6	29.8	28.1	29.0	29.1	28.3	27.8
50°	39.4	39.7	40.2	36.9	40.3	41.8	39.7	41.4	44.0	44.3	44.1
47.5°	55.8	59.5	64.3	60.6	65.0	71.8	71.2	71.8	77.8	78.5	78.3
45°	89.0	105.1	112.7	117.1	115.4	131.0	134.1	129.0	137.3	138.9	136.5
42.5°	178.2	187.1	207.2	223.1	214.0	230.2	235.0	220.4	234.6	241.0	234.1
40°	399.1	317.3	376.8	417.9	403.5	372.1	426.6	407.1	405.2	427.8	410.1
37.5°	788.0	699.4	760.4	877.5	873.3	725.8	890.4	879.7	739.4	905.6	891.2
35°	1413.2	1576.9	1503.9	1723.0	1786.5	1819.5	1910.8	2005.1	1901.8	2037.9	2034.3
32.5°	2530.4	2870.0	3020.2	3046.9	3328.1	3557.3	3460.2	3827.8	3805.3	3897.2	3991.1
30°	3994.8	4751.8	5135.0	5144.6	5611.1	6021.7	6152.0	6613.3	6886.2	6840.9	7297.8
27.5°	6373.7	7117.4	7748.4	8286.8	8650.4	9297.9	10199.1	10653.8	11324.2	11587.1	12218.8
25°	9061.6	9985.6	10981.7	11918.8	12688.2	13848.0	14969.6	15676.9	16636.1	17387.7	18151.6
22.5°	11973.6	13199.3	14477.4	15879.0	17310.0	18725.0	20087.4	21394.1	22673.0	24085.5	24948.9
20°	14950.6	16336.1	17891.8	19791.4	21776.7	23483.1	25344.0	27392.8	29351.7	31174.8	32551.9
17.5°	17212.9	19356.9	21042.3	23097.3	25562.8	27966.6	30338.9	33040.9	35532.9	37857.4	39930.4
15°	18940.5	21188.1	23630.8	26111.3	28708.6	31570.6	34833.9	37790.5	40868.8	43602.7	46163.1
12.5°	20446.4	22728.2	25284.5	28177.5	31453.5	34526.3	37946.3	41643.8	44909.9	48121.5	50523.8
10°	21557.8	24092.5	26684.1	29592.8	32933.5	36521.1	40227.5	43965.0	47627.2	50727.4	53308.4
7.5°	22170.9	24862.8	27574.3	30611.7	34046.4	37575.2	41277.8	45180.0	48866.2	52059.0	54429.2
5°	22670.0	25406.6	28086.9	31136.3	34715.1	38220.4	41767.4	45491.8	49351.4	52500.6	54966.6
2.5°	23105.5	25775.7	28390.1	31359.2	35047.3	38568.2	42215.0	46075.9	49808.3	52846.1	55246.6
0°	23483.6	26004.2	28561.2	31504.2	35360.9	38924.5	42512.3	46290.1	50092.2	53051.4	55481.1
-2.5°	23210.1	25681.6	28201.1	31209.3	34887.3	38392.8	42000.9	45826.5	49427.9	52425.3	54780.8
-5°	22496.9	24877.6	27379.4	30380.4	33891.3	37324.8	40884.9	44569.9	47955.1	50951.8	53118.6
-7.5°	21454.2	23784.8	26276.9	29230.7	32497.8	35614.1	38795.8	42211.6	45581.2	48227.0	50290.8
-10°	20295.2	22513.3	24807.0	27405.0	30297.8	33208.5	36132.0	39307.4	42276.3	44760.6	46747.4
-12.5°	18919.0	20889.4	23001.4	25267.3	27923.1	30695.4	33483.2	36264.6	39002.8	41237.6	43037.4
-15°	17432.7	19175.1	21103.9	23295.8	25662.0	28108.4	30623.1	33279.3	35745.4	37827.0	39413.8
-17.5°	15966.4	17526.7	19487.2	21480.0	23392.2	25635.5	28136.5	30333.0	32583.5	34452.8	35854.5
-20°	14723.4	16402.0	18106.7	19809.4	21636.1	23817.0	25937.6	28008.4	30008.3	31710.4	33104.2



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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°	13913.2	15388.0	16842.6	18453.1	20310.1	22234.7	24154.0	26036.7	27846.7	29463.6	30789.3
-25°	13176.3	14424.4	15864.8	17500.0	19068.1	20756.2	22568.4	24142.0	25858.9	27323.1	28457.4
-27.5°	12532.1	13767.2	15180.9	16651.6	18069.9	19591.5	21242.1	22744.0	24289.0	25697.0	26686.6
-30°	11971.3	13250.8	14580.1	15925.5	17261.2	18669.0	20103.6	21555.3	22972.8	24249.4	25200.7
-32.5°	11493.3	12693.7	13940.3	15192.4	16410.2	17692.6	19023.3	20357.9	21671.2	22788.2	23719.6
-35°	10950.0	12099.1	13257.4	14381.9	15509.9	16656.9	17891.9	19141.3	20316.3	21336.2	22245.4
-37.5°	10343.5	11450.7	12507.8	13531.4	14577.1	15637.8	16781.7	17929.5	19008.8	19931.9	20798.8
-40°	9740.0	10748.9	11706.4	12661.7	13620.3	14613.6	15648.3	16676.0	17623.4	18496.5	19304.3
-42.5°	9112.9	9996.0	10867.5	11756.9	12641.1	13536.9	14461.2	15395.8	16240.0	17036.4	17752.4
-45°	8480.2	9238.1	10008.0	10822.7	11630.1	12434.2	13234.5	14023.5	14813.9	15555.9	16160.8
-47.5°	7807.4	8491.3	9190.3	9890.7	10614.3	11348.3	12047.9	12730.8	13429.0	14092.2	14591.8
-50°	7128.4	7761.6	8393.4	9010.6	9650.2	10295.8	10933.2	11534.3	12119.2	12683.2	13073.8
-52.5°	6444.5	7030.1	7609.1	8167.2	8722.2	9272.5	9812.5	10345.8	10858.3	11341.6	11651.4
-55°	5795.1	6317.3	6826.4	7313.9	7803.7	8287.0	8763.3	9229.8	9672.1	10087.7	10326.6
-57.5°	5184.3	5639.2	6084.9	6504.6	6914.6	7312.9	7733.8	8157.7	8556.0	8913.1	9105.6
-60°	4589.1	4998.8	5381.4	5732.2	6083.8	6433.6	6788.3	7138.3	7479.2	7775.9	7941.6
-62.5°	4003.8	4353.9	4679.5	4981.4	5271.8	5560.7	5868.3	6163.6	6444.4	6673.4	6813.8
-65°	3491.0	3787.6	4031.4	4271.8	4510.3	4764.4	5019.9	5263.6	5494.3	5673.7	5792.0
-67.5°	2992.4	3236.4	3439.3	3638.7	3838.4	4040.4	4246.1	4445.5	4637.0	4782.0	4884.8
-70°	2518.4	2702.7	2861.6	3024.0	3189.5	3354.6	3519.9	3679.1	3831.0	3941.5	4024.2
-72.5°	2059.9	2202.3	2326.1	2452.1	2576.5	2704.3	2832.4	2955.4	3072.6	3151.7	3209.8
-75°	1609.9	1713.3	1812.5	1908.7	2001.4	2096.6	2190.8	2280.8	2366.0	2426.0	2473.7
-77.5°	1212.1	1285.5	1350.2	1413.6	1475.4	1541.5	1606.1	1667.0	1724.0	1765.7	1800.8
-80°	849.1	896.4	937.8	976.6	1012.9	1053.9	1094.0	1131.9	1167.3	1191.6	1211.0
-82.5°	526.9	554.8	579.6	602.4	623.3	644.7	664.6	682.7	698.8	717.9	735.5
-85°	273.4	284.8	295.4	305.1	314.1	322.9	330.8	337.9	344.0	347.5	349.9
-87.5°	106.2	108.9	111.3	113.6	115.6	118.4	121.1	123.5	125.8	127.9	129.8
-90°	6.1	5.6	5.1	4.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	25.8	26.3	26.3	26.3	26.3	26.3	25.8	25.3	24.8	24.3	23.8
87.5°	13.5	12.1	11.1	10.1	11.1	12.1	13.5	15.0	16.4	17.7	15.1
85°	25.1	22.1	20.2	18.2	20.2	22.1	25.1	27.9	30.7	33.2	30.8
82.5°	27.3	26.3	26.3	26.3	26.3	26.3	27.3	28.3	29.5	30.8	32.4
80°	33.2	32.2	33.3	34.4	33.3	32.2	33.2	34.0	34.9	35.9	39.3
77.5°	35.4	34.4	34.4	34.4	34.4	34.4	35.4	36.3	37.3	38.8	44.4
75°	34.5	34.4	33.4	32.3	33.4	34.4	34.5	34.6	34.9	36.5	43.0
72.5°	29.2	28.5	28.3	28.3	28.3	28.5	29.2	29.9	30.7	32.5	37.4
70°	27.2	28.2	27.4	26.3	27.4	28.2	27.2	26.5	26.0	26.9	30.3
67.5°	22.6	22.4	22.2	22.2	22.2	22.4	22.6	22.7	22.8	23.3	24.9
65°	19.2	18.5	18.2	18.2	18.2	18.5	19.2	19.9	20.5	21.2	22.0
62.5°	17.1	16.4	16.2	16.2	16.2	16.4	17.1	17.8	18.6	19.6	20.6
60°	19.3	18.4	17.3	16.2	17.3	18.4	19.3	20.1	20.7	21.1	21.4
57.5°	20.8	20.3	20.2	20.2	20.2	20.3	20.8	21.4	22.1	23.0	23.7
55°	22.8	22.3	22.2	22.2	22.2	22.3	22.8	23.2	23.6	24.4	25.2
52.5°	27.3	26.5	25.5	24.3	25.5	26.5	27.3	27.8	28.3	29.1	29.0
50°	43.2	41.1	40.1	40.4	40.1	41.1	43.2	44.1	44.3	44.0	41.4
47.5°	79.9	79.8	79.4	78.8	79.4	79.8	79.9	78.3	78.5	77.8	71.8
45°	135.8	130.3	125.1	123.3	125.1	130.3	135.8	136.5	138.9	137.3	129.0
42.5°	238.7	237.5	233.3	228.4	233.3	237.5	238.7	234.1	241.0	234.6	220.4
40°	414.8	409.2	399.5	402.2	399.5	409.2	414.8	410.1	427.8	405.2	407.1
37.5°	863.9	822.4	759.5	760.0	759.5	822.4	863.9	891.2	905.6	739.4	879.7
35°	2022.0	2055.9	2015.7	2015.3	2015.7	2055.9	2022.0	2034.3	2037.9	1901.8	2005.1
32.5°	3869.4	3813.2	3585.3	3466.6	3585.3	3813.2	3869.4	3991.1	3897.2	3805.3	3827.8
30°	7289.7	7325.8	6984.1	6991.7	6984.1	7325.8	7289.7	7297.8	6840.9	6886.2	6613.3
27.5°	12473.6	12751.1	12678.1	12556.4	12678.1	12751.1	12473.6	12218.8	11587.1	11324.2	10653.8
25°	18652.5	18861.5	18721.5	18636.5	18721.5	18861.5	18652.5	18151.6	17387.7	16636.1	15676.9
22.5°	25787.4	26078.4	26005.4	25636.3	26005.4	26078.4	25787.4	24948.9	24085.5	22673.0	21394.1
20°	33686.0	34184.5	34474.1	34287.6	34474.1	34184.5	33686.0	32551.9	31174.8	29351.7	27392.8
17.5°	41402.7	42045.5	42538.5	42704.3	42538.5	42045.5	41402.7	39930.4	37857.4	35532.9	33040.9
15°	47891.6	48810.8	49458.3	49688.0	49458.3	48810.8	47891.6	46163.1	43602.7	40868.8	37790.5
12.5°	52548.2	53744.8	54504.1	54732.2	54504.1	53744.8	52548.2	50523.8	48121.5	44909.9	41643.8
10°	55109.0	56617.2	57481.5	57842.0	57481.5	56617.2	55109.0	53308.4	50727.4	47627.2	43965.0
7.5°	56539.6	57901.9	58718.6	58839.5	58718.6	57901.9	56539.6	54429.2	52059.0	48866.2	45180.0
5°	57003.9	58241.5	58915.6	58977.9	58915.6	58241.5	57003.9	54966.6	52500.6	49351.4	45491.8
2.5°	57207.3	58253.2	58750.4	58623.2	58750.4	58253.2	57207.3	55246.6	52846.1	49808.3	46075.9
0°	57103.2	58038.0	58565.6	58644.4	58565.6	58038.0	57103.2	55481.1	53051.4	50092.2	46290.1
-2.5°	56255.2	56951.4	57325.5	57085.0	57325.5	56951.4	56255.2	54780.8	52425.3	49427.9	45826.5
-5°	54321.8	54822.7	54979.0	55066.7	54979.0	54822.7	54321.8	53118.6	50951.8	47955.1	44569.9
-7.5°	51527.4	51936.2	52090.4	51982.2	52090.4	51936.2	51527.4	50290.8	48227.0	45581.2	42211.6
-10°	47844.2	48218.8	48349.7	48275.1	48349.7	48218.8	47844.2	46747.4	44760.6	42276.3	39307.4
-12.5°	44115.9	44559.8	44661.6	44668.0	44661.6	44559.8	44115.9	43037.4	41237.6	39002.8	36264.6
-15°	40450.8	40958.3	41113.4	41249.0	41113.4	40958.3	40450.8	39413.8	37827.0	35745.4	33279.3
-17.5°	36849.4	37353.6	37484.4	37307.4	37484.4	37353.6	36849.4	35854.5	34452.8	32583.5	30333.0
-20°	33889.1	34150.4	34429.3	34427.0	34429.3	34150.4	33889.1	33104.2	31710.4	30008.3	28008.4



REPORT NUMBER: P701479 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	31444.2	31876.2	32113.7	32282.4	32113.7	31876.2	31444.2	30789.3	29463.6	27846.7	26036.7
-25°	29151.1	29518.0	29665.6	29778.0	29665.6	29518.0	29151.1	28457.4	27323.1	25858.9	24142.0
-27.5°	27384.6	27756.9	27967.6	28092.2	27967.6	27756.9	27384.6	26686.6	25697.0	24289.0	22744.0
-30°	25975.8	26341.6	26592.5	26750.1	26592.5	26341.6	25975.8	25200.7	24249.4	22972.8	21555.3
-32.5°	24457.8	24840.4	25101.9	25264.4	25101.9	24840.4	24457.8	23719.6	22788.2	21671.2	20357.9
-35°	22880.3	23263.1	23545.3	23677.7	23545.3	23263.1	22880.3	22245.4	21336.2	20316.3	19141.3
-37.5°	21347.8	21705.1	21954.5	22052.6	21954.5	21705.1	21347.8	20798.8	19931.9	19008.8	17929.5
-40°	19750.3	20087.4	20319.1	20409.2	20319.1	20087.4	19750.3	19304.3	18496.5	17623.4	16676.0
-42.5°	18139.4	18453.9	18667.9	18757.8	18667.9	18453.9	18139.4	17752.4	17036.4	16240.0	15395.8
-45°	16507.7	16787.4	16968.6	17037.7	16968.6	16787.4	16507.7	16160.8	15555.9	14813.9	14023.5
-47.5°	14901.5	15153.8	15309.5	15360.0	15309.5	15153.8	14901.5	14591.8	14092.2	13429.0	12730.8
-50°	13333.8	13540.4	13682.9	13763.1	13682.9	13540.4	13333.8	13073.8	12683.2	12119.2	11534.3
-52.5°	11883.6	12071.3	12183.0	12226.9	12183.0	12071.3	11883.6	11651.4	11341.6	10858.3	10345.8
-55°	10524.5	10686.9	10781.9	10820.1	10781.9	10686.9	10524.5	10326.6	10087.7	9672.1	9229.8
-57.5°	9269.3	9402.4	9491.9	9542.6	9491.9	9402.4	9269.3	9105.6	8913.1	8556.0	8157.7
-60°	8079.3	8188.4	8263.6	8307.6	8263.6	8188.4	8079.3	7941.6	7775.9	7479.2	7138.3
-62.5°	6930.5	7023.1	7084.1	7119.1	7084.1	7023.1	6930.5	6813.8	6673.4	6444.4	6163.6
-65°	5891.9	5973.2	6012.5	6027.6	6012.5	5973.2	5891.9	5792.0	5673.7	5494.3	5263.6
-67.5°	4973.0	5046.2	5072.7	5077.5	5072.7	5046.2	4973.0	4884.8	4782.0	4637.0	4445.5
-70°	4095.8	4155.4	4175.6	4178.1	4175.6	4155.4	4095.8	4024.2	3941.5	3831.0	3679.1
-72.5°	3257.6	3295.2	3324.2	3343.3	3324.2	3295.2	3257.6	3209.8	3151.7	3072.6	2955.4
-75°	2513.8	2545.9	2559.9	2565.0	2559.9	2545.9	2513.8	2473.7	2426.0	2366.0	2280.8
-77.5°	1830.7	1855.2	1860.8	1859.6	1860.8	1855.2	1830.7	1800.8	1765.7	1724.0	1667.0
-80°	1226.3	1237.7	1245.2	1249.2	1245.2	1237.7	1226.3	1211.0	1191.6	1167.3	1131.9
-82.5°	751.3	765.2	750.9	733.7	750.9	765.2	751.3	735.5	717.9	698.8	682.7
-85°	351.4	352.0	353.3	353.7	353.3	352.0	351.4	349.9	347.5	344.0	337.9
-87.5°	131.5	133.0	132.3	131.4	132.3	133.0	131.5	129.8	127.9	125.8	123.5
-90°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	23.3	22.7	22.2	21.7	21.2	20.7	20.2	19.2	18.2	17.2	16.2
87.5°	12.6	10.1	7.7	8.6	9.4	10.2	11.0	10.5	9.9	9.4	8.9
85°	28.2	25.6	22.9	22.8	22.7	22.6	22.4	22.0	21.3	20.4	19.3
82.5°	33.7	34.6	35.3	38.1	40.2	41.7	42.3	42.1	41.2	39.7	37.3
80°	42.4	45.2	48.2	54.1	59.3	63.7	67.1	68.6	69.4	69.1	66.9
77.5°	49.7	54.5	59.9	68.5	76.5	83.9	90.2	93.8	95.6	96.5	93.7
75°	49.6	56.2	64.5	76.6	87.9	98.5	106.5	112.1	116.5	119.9	116.9
72.5°	43.0	49.2	59.3	74.5	90.4	104.0	115.0	124.2	132.3	139.2	134.5
70°	34.2	38.6	47.6	61.1	75.8	91.4	108.1	124.8	141.2	151.9	144.2
67.5°	26.9	29.5	36.8	47.7	60.3	74.5	91.3	110.5	129.1	146.4	143.0
65°	22.9	23.8	28.3	36.0	45.6	57.2	71.3	88.1	107.8	127.7	128.4
62.5°	21.5	22.2	24.9	29.0	34.5	41.8	52.6	67.3	84.3	97.9	102.7
60°	21.8	22.6	24.4	26.4	28.8	32.5	40.9	50.9	62.5	74.0	79.8
57.5°	24.2	24.6	25.4	26.5	27.9	31.3	35.6	40.3	49.9	56.5	61.5
55°	26.0	26.6	27.2	27.7	28.5	31.4	34.8	38.8	43.1	45.1	51.4
52.5°	28.1	29.8	30.6	30.1	31.1	33.4	34.8	38.2	41.8	44.3	45.8
50°	39.7	41.8	40.3	36.9	40.2	39.7	39.4	40.2	44.3	46.5	46.4
47.5°	71.2	71.8	65.0	60.6	64.3	59.5	55.8	52.6	58.9	53.0	52.3
45°	134.1	131.0	115.4	117.1	112.7	105.1	89.0	97.5	90.1	80.8	62.1
42.5°	235.0	230.2	214.0	223.1	207.2	187.1	178.2	187.3	156.9	127.5	134.4
40°	426.6	372.1	403.5	417.9	376.8	317.3	399.1	343.0	292.2	210.1	276.6
37.5°	890.4	725.8	873.3	877.5	760.4	699.4	788.0	710.3	496.0	524.6	533.8
35°	1910.8	1819.5	1786.5	1723.0	1503.9	1576.9	1413.2	1250.1	1073.6	1015.4	918.9
32.5°	3460.2	3557.3	3328.1	3046.9	3020.2	2870.0	2530.4	2038.3	2040.2	1839.4	1503.0
30°	6152.0	6021.7	5611.1	5144.6	5135.0	4751.8	3994.8	3665.7	3361.8	2905.8	2264.7
27.5°	10199.1	9297.9	8650.4	8286.8	7748.4	7117.4	6373.7	5604.4	4955.2	4260.2	3397.4
25°	14969.6	13848.0	12688.2	11918.8	10981.7	9985.6	9061.6	7982.8	6896.7	5806.7	4713.5
22.5°	20087.4	18725.0	17310.0	15879.0	14477.4	13199.3	11973.6	10542.7	8886.8	7356.5	6092.2
20°	25344.0	23483.1	21776.7	19791.4	17891.8	16336.1	14950.6	12980.0	10769.2	8909.4	7434.7
17.5°	30338.9	27966.6	25562.8	23097.3	21042.3	19356.9	17212.9	14908.9	12527.3	10369.8	8717.2
15°	34833.9	31570.6	28708.6	26111.3	23630.8	21188.1	18940.5	16661.9	14170.7	11837.5	9888.6
12.5°	37946.3	34526.3	31453.5	28177.5	25284.5	22728.2	20446.4	18161.7	15546.5	12809.6	10542.4
10°	40227.5	36521.1	32933.5	29592.8	26684.1	24092.5	21557.8	18961.0	16134.3	13392.2	11085.6
7.5°	41277.8	37575.2	34046.4	30611.7	27574.3	24862.8	22170.9	19467.8	16554.5	13795.8	11521.9
5°	41767.4	38220.4	34715.1	31136.3	28086.9	25406.6	22670.0	19852.6	16810.7	14038.7	11856.3
2.5°	42215.0	38568.2	35047.3	31359.2	28390.1	25775.7	23105.5	20241.2	17128.9	14291.9	12070.2
0°	42512.3	38924.5	35360.9	31504.2	28561.2	26004.2	23483.6	20587.1	17405.5	14468.6	12198.6
-2.5°	42000.9	38392.8	34887.3	31209.3	28201.1	25681.6	23210.1	20443.7	17351.8	14468.5	12203.8
-5°	40884.9	37324.8	33891.3	30380.4	27379.4	24877.6	22496.9	19912.5	17037.2	14310.9	12130.6
-7.5°	38795.8	35614.1	32497.8	29230.7	26276.9	23784.8	21454.2	18996.3	16345.2	13790.4	11698.5
-10°	36132.0	33208.5	30297.8	27405.0	24807.0	22513.3	20295.2	17995.7	15542.8	13167.0	11196.4
-12.5°	33483.2	30695.4	27923.1	25267.3	23001.4	20889.4	18919.0	16895.9	14645.4	12443.9	10632.2
-15°	30623.1	28108.4	25662.0	23295.8	21103.9	19175.1	17432.7	15626.6	13629.9	11660.7	10011.3
-17.5°	28136.5	25635.5	23392.2	21480.0	19487.2	17526.7	15966.4	14384.4	12681.5	10980.9	9479.2
-20°	25937.6	23817.0	21636.1	19809.4	18106.7	16402.0	14723.4	13220.5	11801.8	10363.8	9019.5



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	24154.0	22234.7	20310.1	18453.1	16842.6	15388.0	13913.2	12419.0	10980.2	9731.6	8574.8
-25°	22568.4	20756.2	19068.1	17500.0	15864.8	14424.4	13176.3	11852.5	10480.3	9172.6	8164.1
-27.5°	21242.1	19591.5	18069.9	16651.6	15180.9	13767.2	12532.1	11307.4	10034.0	8859.2	7823.8
-30°	20103.6	18669.0	17261.2	15925.5	14580.1	13250.8	11971.3	10809.2	9627.8	8520.2	7540.5
-32.5°	19023.3	17692.6	16410.2	15192.4	13940.3	12693.7	11493.3	10305.4	9168.9	8176.4	7267.6
-35°	17891.9	16656.9	15509.9	14381.9	13257.4	12099.1	10950.0	9786.1	8726.5	7795.3	6951.8
-37.5°	16781.7	15637.8	14577.1	13531.4	12507.8	11450.7	10343.5	9282.8	8280.6	7393.3	6594.7
-40°	15648.3	14613.6	13620.3	12661.7	11706.4	10748.9	9740.0	8754.9	7836.5	6951.7	6201.9
-42.5°	14461.2	13536.9	12641.1	11756.9	10867.5	9996.0	9112.9	8223.3	7361.0	6537.8	5785.5
-45°	13234.5	12434.2	11630.1	10822.7	10008.0	9238.1	8480.2	7665.8	6864.9	6099.1	5356.0
-47.5°	12047.9	11348.3	10614.3	9890.7	9190.3	8491.3	7807.4	7084.3	6349.8	5632.6	4972.5
-50°	10933.2	10295.8	9650.2	9010.6	8393.4	7761.6	7128.4	6492.4	5816.4	5175.7	4573.1
-52.5°	9812.5	9272.5	8722.2	8167.2	7609.1	7030.1	6444.5	5878.0	5281.6	4720.1	4186.8
-55°	8763.3	8287.0	7803.7	7313.9	6826.4	6317.3	5795.1	5280.1	4778.5	4269.4	3811.0
-57.5°	7733.8	7312.9	6914.6	6504.6	6084.9	5639.2	5184.3	4724.3	4281.6	3846.6	3432.3
-60°	6788.3	6433.6	6083.8	5732.2	5381.4	4998.8	4589.1	4185.5	3789.8	3428.3	3076.6
-62.5°	5868.3	5560.7	5271.8	4981.4	4679.5	4353.9	4003.8	3675.7	3345.5	3020.8	2735.9
-65°	5019.9	4764.4	4510.3	4271.8	4031.4	3787.6	3491.0	3200.8	2922.8	2655.3	2406.0
-67.5°	4246.1	4040.4	3838.4	3638.7	3439.3	3236.4	2992.4	2746.0	2517.7	2301.0	2089.1
-70°	3519.9	3354.6	3189.5	3024.0	2861.6	2702.7	2518.4	2324.0	2134.3	1949.9	1765.3
-72.5°	2832.4	2704.3	2576.5	2452.1	2326.1	2202.3	2059.9	1900.7	1743.1	1587.8	1437.9
-75°	2190.8	2096.6	2001.4	1908.7	1812.5	1713.3	1609.9	1491.3	1372.0	1252.3	1133.6
-77.5°	1606.1	1541.5	1475.4	1413.6	1350.2	1285.5	1212.1	1117.5	1028.1	939.9	854.0
-80°	1094.0	1053.9	1012.9	976.6	937.8	896.4	849.1	781.8	715.1	653.2	597.2
-82.5°	664.6	644.7	623.3	602.4	579.6	554.8	526.9	487.8	449.2	411.4	374.6
-85°	330.8	322.9	314.1	305.1	295.4	284.8	273.4	256.7	239.5	221.7	203.4
-87.5°	121.1	118.4	115.6	113.6	111.3	108.9	106.2	100.1	94.0	88.0	81.9
-90°	4.0	4.0	4.0	4.5	5.1	5.6	6.1	6.1	6.1	6.1	6.1



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-7F-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	15.7	15.2	14.6	14.1	14.1	14.1	14.1	14.1	13.6	13.1	12.6
87.5°	10.5	11.9	13.2	14.2	13.4	12.6	11.9	11.2	11.6	11.9	12.2
85°	19.8	20.4	21.3	22.3	21.0	19.2	17.7	16.4	16.7	16.8	16.7
82.5°	33.8	32.1	31.1	30.5	30.3	29.3	27.6	25.2	22.8	21.7	21.3
80°	60.0	53.7	48.0	43.2	40.5	39.7	38.5	35.9	30.4	26.7	24.7
77.5°	84.1	75.3	67.4	59.4	52.4	47.6	45.2	44.1	37.7	31.4	27.3
75°	106.1	94.7	83.9	73.4	63.2	54.8	49.1	45.3	40.4	35.5	29.7
72.5°	120.9	108.6	97.5	86.0	72.7	61.6	52.8	46.5	41.5	36.5	31.4
70°	131.2	119.2	106.5	93.4	80.3	67.7	56.6	49.0	42.5	37.3	32.2
67.5°	137.4	123.9	111.5	99.6	86.1	72.7	59.8	51.6	44.9	38.2	32.9
65°	123.6	119.2	114.1	101.4	89.4	77.2	63.6	54.5	47.2	40.2	33.5
62.5°	105.7	105.8	102.7	99.7	90.3	78.5	67.4	58.1	49.5	42.1	34.9
60°	83.6	87.4	90.4	89.6	86.5	78.4	68.7	61.3	52.2	43.9	36.5
57.5°	67.5	70.2	75.9	79.4	78.5	74.8	69.5	62.9	54.6	45.8	38.1
55°	55.3	60.0	64.7	68.8	70.7	68.5	69.2	63.9	56.5	47.6	39.9
52.5°	49.0	53.7	58.4	61.2	63.3	64.3	67.4	65.0	57.6	49.1	41.9
50°	47.1	52.0	55.6	57.7	57.9	62.7	66.7	65.3	58.7	50.3	44.0
47.5°	54.2	58.3	57.1	56.8	56.7	62.8	67.5	66.4	59.8	51.3	46.4
45°	80.6	73.9	66.3	60.7	60.8	67.3	69.8	68.4	61.9	54.2	49.0
42.5°	127.8	114.8	87.8	66.4	77.9	74.6	73.4	71.9	64.7	57.7	51.9
40°	258.5	180.9	125.0	115.8	107.0	84.4	81.6	76.4	68.5	61.9	55.2
37.5°	440.7	319.3	202.5	206.8	159.4	120.1	91.6	82.0	75.1	67.4	58.7
35°	756.7	532.7	422.1	375.7	270.0	164.1	103.1	90.0	83.2	73.2	62.5
32.5°	1147.5	936.0	826.3	632.9	408.2	216.3	134.8	104.9	92.2	79.2	66.5
30°	1807.8	1632.9	1324.6	948.5	603.4	344.6	190.6	122.1	102.1	85.5	70.9
27.5°	2803.8	2454.8	1931.2	1404.4	904.4	500.5	273.0	141.3	112.9	92.7	76.0
25°	3888.4	3386.3	2721.2	1946.6	1243.5	748.2	373.6	164.5	127.3	101.3	81.1
22.5°	5086.4	4349.1	3593.1	2539.3	1619.7	1035.8	533.9	241.4	144.1	110.3	86.2
20°	6234.4	5329.1	4465.0	3004.5	2021.5	1370.5	757.3	327.5	161.6	119.5	91.3
17.5°	7349.2	6133.7	4936.3	3511.3	2415.5	1686.5	998.6	420.8	179.8	128.8	96.3
15°	8109.4	6671.2	5377.5	3963.9	2767.5	1983.7	1252.5	518.9	198.2	138.2	104.0
12.5°	8692.0	7158.1	5798.8	4362.5	3079.4	2262.0	1512.8	619.4	216.5	152.7	115.0
10°	9192.2	7593.5	6193.9	4707.9	3353.6	2521.2	1773.0	714.1	244.9	171.3	126.1
7.5°	9612.2	7976.4	6556.3	5001.2	3577.7	2692.3	1932.5	791.2	274.3	189.9	137.0
5°	9939.9	8260.1	6842.8	5201.0	3694.1	2769.2	2053.2	858.4	302.8	208.2	147.6
2.5°	10135.0	8414.3	7059.3	5349.6	3787.1	2825.9	2147.1	915.0	330.1	225.9	158.0
0°	10262.2	8513.8	7222.2	5451.5	3854.6	2864.2	2213.3	960.1	355.8	242.6	167.8
-2.5°	10310.6	8528.6	7245.7	5581.5	3991.9	2982.6	2277.7	1085.4	475.9	324.9	220.6
-5°	10284.0	8498.0	7221.6	5663.3	4100.4	3081.2	2318.1	1198.5	592.1	404.8	272.0
-7.5°	9962.5	8318.7	7096.9	5675.6	4178.7	3156.7	2339.1	1299.2	702.9	481.1	321.3
-10°	9533.3	8030.6	6837.8	5504.8	4170.3	3202.1	2350.3	1387.7	806.4	552.6	367.7
-12.5°	9057.3	7704.8	6556.5	5318.3	4132.6	3226.7	2381.2	1470.2	901.2	618.1	410.6
-15°	8542.0	7343.9	6260.7	5125.8	4080.1	3239.1	2397.9	1540.8	986.7	680.2	449.1
-17.5°	8035.1	6950.5	5957.8	4936.2	4016.1	3241.4	2402.6	1595.5	1062.4	740.2	490.3
-20°	7759.6	6664.7	5660.0	4757.8	3943.5	3235.4	2397.3	1633.5	1127.3	793.0	532.5



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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°	7484.7	6477.5	5517.0	4631.2	3882.4	3222.7	2384.1	1654.5	1180.5	838.1	569.1
-25°	7195.6	6280.6	5378.6	4541.6	3841.5	3176.4	2377.4	1658.1	1221.3	875.1	599.9
-27.5°	6939.8	6081.6	5218.5	4417.3	3761.3	3127.5	2367.0	1697.4	1253.4	903.6	624.4
-30°	6700.2	5880.7	5049.1	4271.7	3652.2	3009.3	2335.8	1722.3	1282.1	927.9	642.4
-32.5°	6452.7	5660.4	4845.2	4129.5	3507.2	2875.2	2247.8	1729.8	1299.1	946.2	657.8
-35°	6164.2	5393.2	4607.0	3953.2	3344.6	2736.8	2149.5	1719.7	1304.2	955.2	667.5
-37.5°	5836.6	5080.5	4382.0	3754.5	3170.5	2588.1	2077.9	1668.8	1297.3	954.8	670.1
-40°	5474.3	4767.9	4123.9	3552.8	2993.8	2429.6	1992.7	1615.2	1285.3	945.0	665.5
-42.5°	5093.2	4462.9	3877.5	3338.9	2810.6	2319.3	1897.3	1551.5	1241.6	930.1	653.6
-45°	4737.0	4152.4	3622.1	3121.7	2627.3	2195.4	1815.0	1479.6	1186.4	907.7	637.4
-47.5°	4369.6	3852.6	3363.6	2892.2	2472.1	2065.9	1721.4	1408.0	1123.7	875.4	618.6
-50°	4023.0	3551.0	3103.4	2685.6	2295.0	1948.5	1620.2	1327.4	1060.9	821.2	593.7
-52.5°	3696.9	3259.6	2857.4	2478.0	2138.0	1819.1	1518.4	1239.0	990.9	768.4	562.7
-55°	3373.0	2982.1	2617.1	2286.2	1977.8	1687.6	1406.8	1150.1	914.2	713.2	526.6
-57.5°	3061.3	2707.0	2396.7	2099.3	1813.8	1546.1	1292.1	1053.4	839.6	652.7	491.8
-60°	2747.9	2460.9	2181.4	1905.1	1642.5	1399.9	1172.4	953.2	761.3	589.4	448.1
-62.5°	2464.0	2206.7	1953.7	1700.7	1468.0	1251.1	1046.9	853.9	677.2	530.3	399.4
-65°	2173.1	1942.3	1715.1	1498.5	1291.4	1098.3	922.4	748.2	599.3	467.5	351.5
-67.5°	1878.6	1677.2	1484.3	1291.9	1116.1	950.1	791.2	649.7	520.2	401.4	310.1
-70°	1584.6	1410.5	1252.5	1097.2	943.8	799.1	673.0	552.1	437.3	347.7	266.7
-72.5°	1296.9	1161.0	1030.9	900.5	777.9	662.2	553.9	454.9	369.9	292.1	221.6
-75°	1018.9	917.0	819.1	719.5	617.3	522.5	445.7	372.7	300.5	234.5	182.2
-77.5°	771.8	691.2	612.5	543.2	472.8	406.9	345.8	288.0	232.6	185.8	144.3
-80°	543.7	491.3	440.4	390.1	337.6	289.0	250.3	212.7	172.8	137.0	105.3
-82.5°	338.2	308.4	280.6	252.6	222.4	193.4	165.9	139.5	111.8	87.1	72.4
-85°	185.6	167.7	149.8	132.0	114.0	96.9	88.7	80.6	70.7	61.4	52.6
-87.5°	77.5	73.0	68.5	64.0	59.7	55.6	51.4	47.4	42.2	37.3	32.7
-90°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.6	7.1	7.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	12.1	11.6	11.1	10.6	10.1	9.1	8.1
87.5°	12.3	11.7	11.2	10.9	10.8	9.4	8.1
85°	16.5	14.7	13.3	12.2	11.5	9.7	8.1
82.5°	20.6	17.7	15.4	13.5	12.2	10.0	8.1
80°	24.3	20.7	17.4	14.8	12.9	10.3	8.1
77.5°	25.2	22.8	19.5	16.1	13.5	10.6	8.1
75°	26.0	23.2	21.1	17.3	14.2	10.9	8.1
72.5°	26.7	23.5	21.1	18.5	14.8	11.2	8.1
70°	27.4	23.8	21.1	19.4	15.4	11.4	8.1
67.5°	28.2	24.0	21.1	19.3	16.0	11.7	8.1
65°	29.0	24.4	21.0	19.1	16.6	11.9	8.1
62.5°	29.8	25.3	20.9	18.8	17.1	12.2	8.1
60°	30.6	26.1	20.7	18.6	17.6	12.4	8.1
57.5°	32.2	26.9	21.3	18.3	17.5	12.6	8.1
55°	33.8	27.7	22.0	18.0	17.3	12.9	8.1
52.5°	35.3	28.5	22.7	17.6	17.2	13.1	8.1
50°	36.9	29.8	23.4	17.2	17.1	13.2	8.1
47.5°	38.5	31.1	24.1	17.0	17.0	13.4	8.1
45°	40.7	32.3	24.7	17.5	16.9	13.6	8.1
42.5°	43.1	33.4	25.3	18.0	16.9	13.7	8.1
40°	45.5	34.5	26.0	18.7	16.8	13.9	8.1
37.5°	48.1	35.6	26.9	19.7	16.8	14.0	8.1
35°	50.7	37.2	27.6	20.7	16.8	14.1	8.1
32.5°	53.5	39.2	28.3	21.7	16.9	14.2	8.1
30°	56.6	41.2	29.0	22.7	16.9	14.3	8.1
27.5°	59.8	43.1	31.0	23.8	17.0	14.3	8.1
25°	63.0	45.0	33.4	24.8	17.1	14.4	8.1
22.5°	66.3	47.8	35.8	25.9	17.2	14.4	8.1
20°	69.5	52.9	38.4	27.0	17.3	14.4	8.1
17.5°	75.4	58.2	41.0	28.1	17.4	14.4	8.1
15°	83.0	63.4	43.6	29.1	17.5	14.4	8.1
12.5°	90.5	68.7	46.3	30.1	17.6	14.4	8.1
10°	97.9	73.9	48.9	31.1	17.8	14.4	8.1
7.5°	105.1	79.0	51.5	32.0	17.9	14.3	8.1
5°	112.2	83.9	54.0	32.9	18.0	14.3	8.1
2.5°	118.9	88.6	56.4	33.7	18.1	14.2	8.1
0°	125.3	93.0	58.6	34.4	18.2	14.1	8.1
-2.5°	156.7	111.2	68.1	38.6	19.6	14.4	8.1
-5°	187.4	128.8	77.3	42.7	21.0	14.6	8.1
-7.5°	216.9	145.6	86.2	46.5	22.3	14.8	8.1
-10°	244.8	161.5	94.5	50.2	23.6	15.1	8.1
-12.5°	270.8	176.2	102.1	53.6	24.8	15.3	8.1
-15°	294.5	189.5	109.1	56.7	25.9	15.4	8.1
-17.5°	315.5	201.2	115.3	59.4	27.0	15.6	8.1
-20°	338.5	211.2	120.6	61.7	27.9	15.7	8.1



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	366.0	219.3	124.9	63.7	28.8	15.8	8.1
-25°	389.5	231.6	128.2	65.2	29.5	15.9	8.1
-27.5°	408.5	244.1	130.3	66.2	30.1	16.0	8.1
-30°	423.0	253.8	131.8	66.7	30.6	16.0	8.1
-32.5°	432.6	260.7	136.8	66.7	30.9	16.0	8.1
-35°	439.5	264.5	140.0	66.2	31.1	16.0	8.1
-37.5°	442.8	266.3	141.5	65.1	31.1	15.9	8.1
-40°	441.5	267.2	141.1	63.5	31.0	15.9	8.1
-42.5°	435.6	265.3	140.4	62.0	30.7	15.7	8.1
-45°	425.0	260.4	139.5	61.3	30.3	15.6	8.1
-47.5°	409.9	252.7	137.2	59.7	29.7	15.4	8.1
-50°	394.9	242.0	133.3	59.2	29.0	15.2	8.1
-52.5°	376.6	228.6	127.9	58.6	28.1	15.0	8.1
-55°	354.2	217.2	121.1	57.3	27.1	14.8	8.1
-57.5°	328.1	204.6	113.0	55.4	25.9	14.5	8.1
-60°	299.3	190.0	103.7	52.9	24.7	14.2	8.1
-62.5°	275.3	173.3	97.2	49.8	23.8	13.8	8.1
-65°	248.7	154.7	89.7	46.1	22.8	13.5	8.1
-67.5°	219.5	137.5	81.2	41.9	21.7	13.1	8.1
-70°	188.1	121.9	71.9	37.3	20.6	12.7	8.1
-72.5°	161.8	105.1	61.8	34.1	19.5	12.3	8.1
-75°	134.9	87.1	51.0	31.2	18.2	11.9	8.1
-77.5°	106.7	68.3	44.1	28.1	17.0	11.5	8.1
-80°	77.4	54.8	37.9	24.8	15.6	11.0	8.1
-82.5°	60.2	44.3	31.4	21.3	14.3	10.5	8.1
-85°	44.4	33.6	24.7	17.8	12.9	10.1	8.1
-87.5°	28.3	22.6	17.9	14.2	11.5	9.6	8.1
-90°	8.1	8.6	9.1	9.6	10.1	9.1	8.1

(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

