

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: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-70-7F-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-43)
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-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

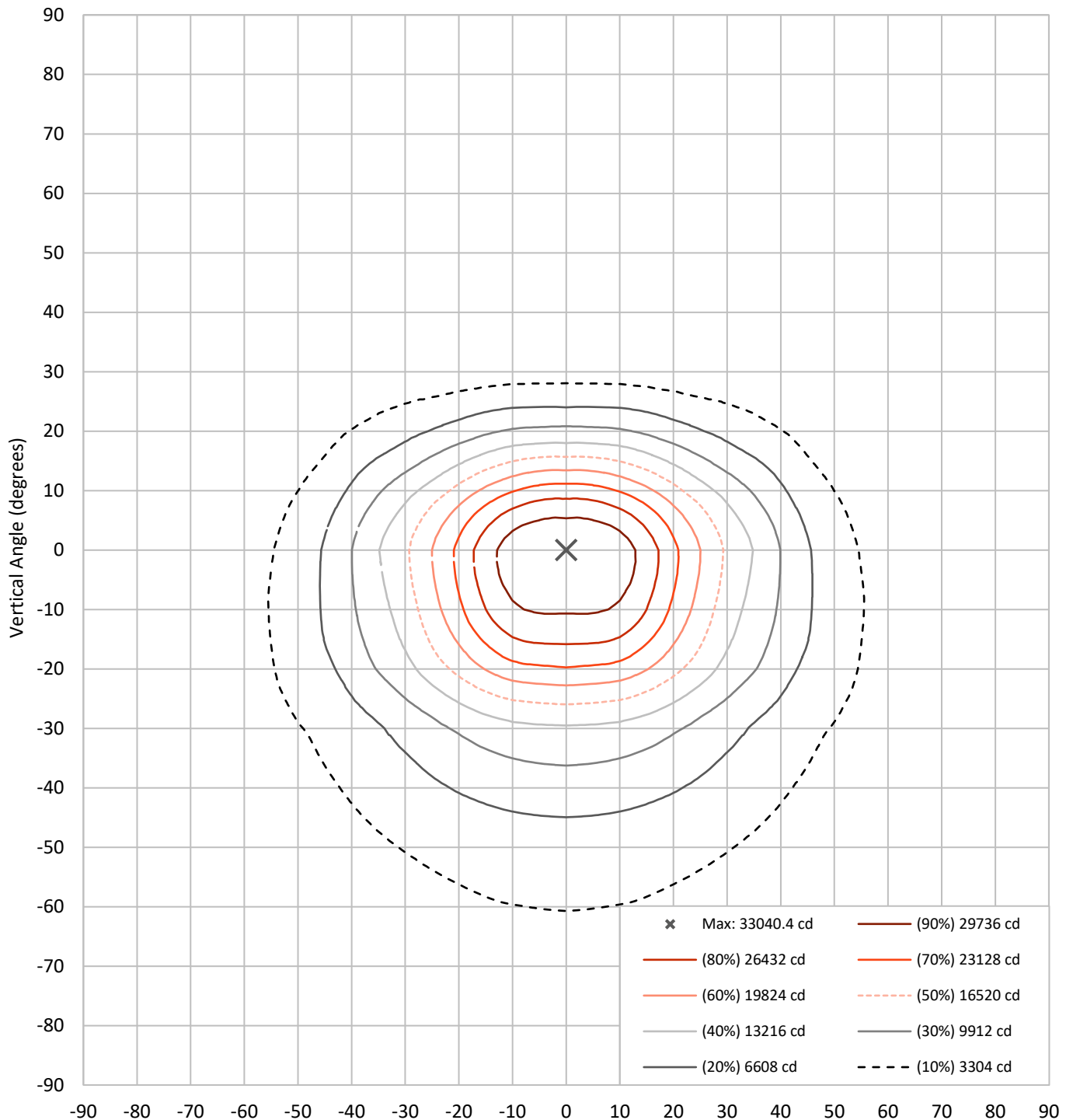
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	28906.4 lumens	Max Intensity:	33040.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	84.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 41.6°V	Field Angle (10%):	109°H x 88.8°V
Beam Lumens:	14013.5 lumens	Field Lumens:	26253.9 lumens
Beam Efficiency:	48.5%	Field Efficiency:	90.8%

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

REPORT NUMBER: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV2-S

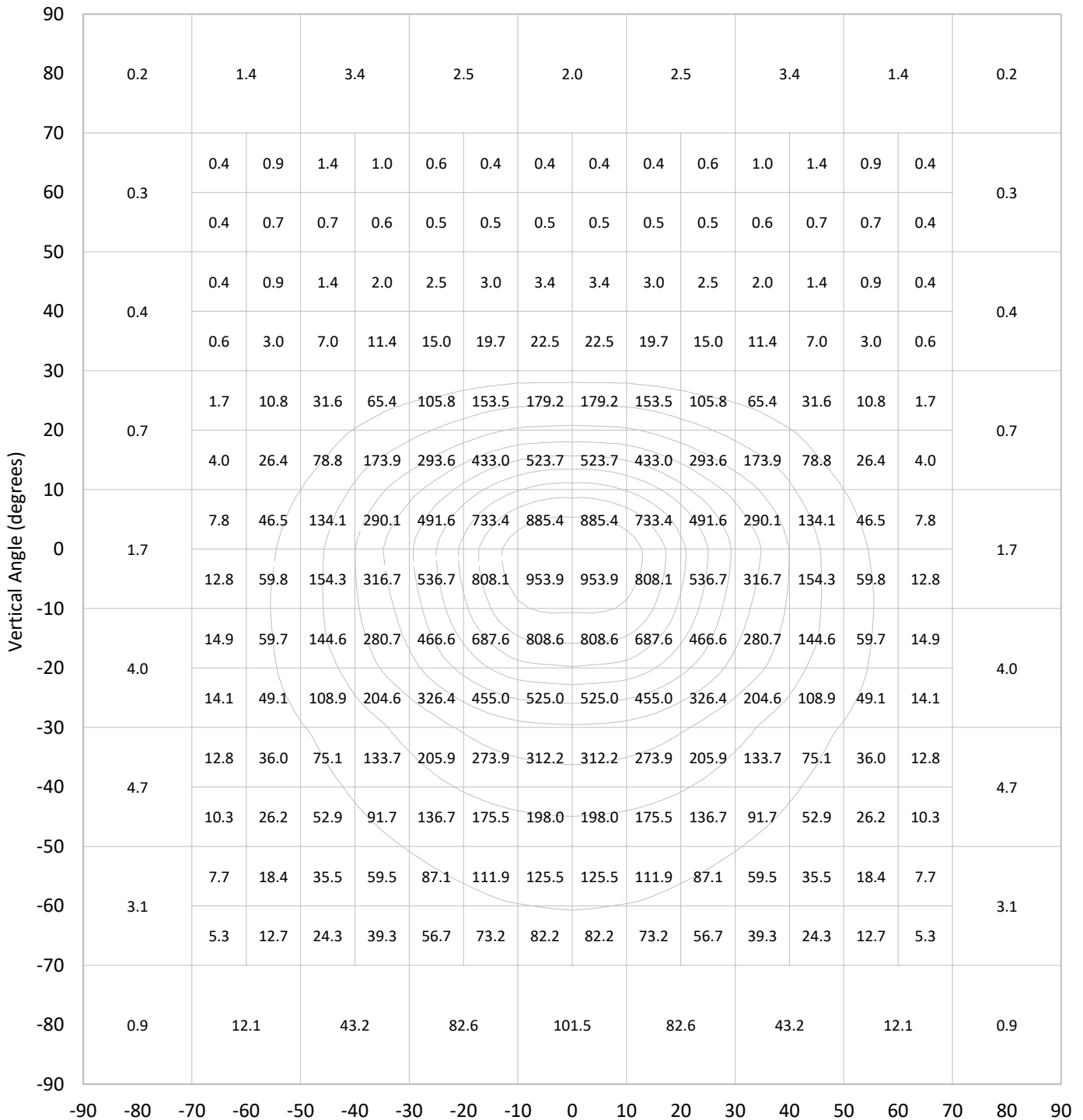
Iso-Candela Plot





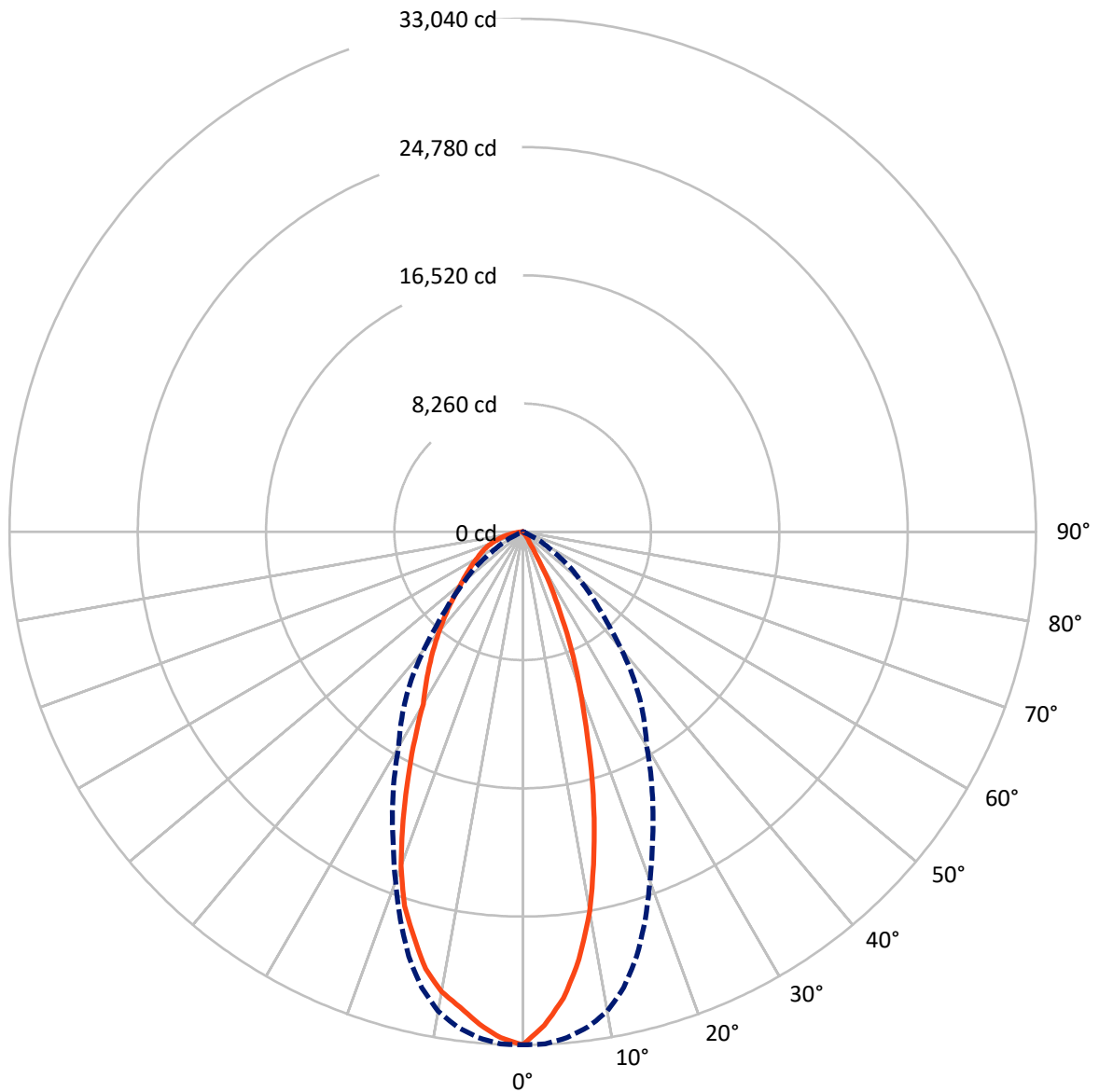
REPORT NUMBER: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV2-S

Lumen Table



REPORT NUMBER: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV2-S

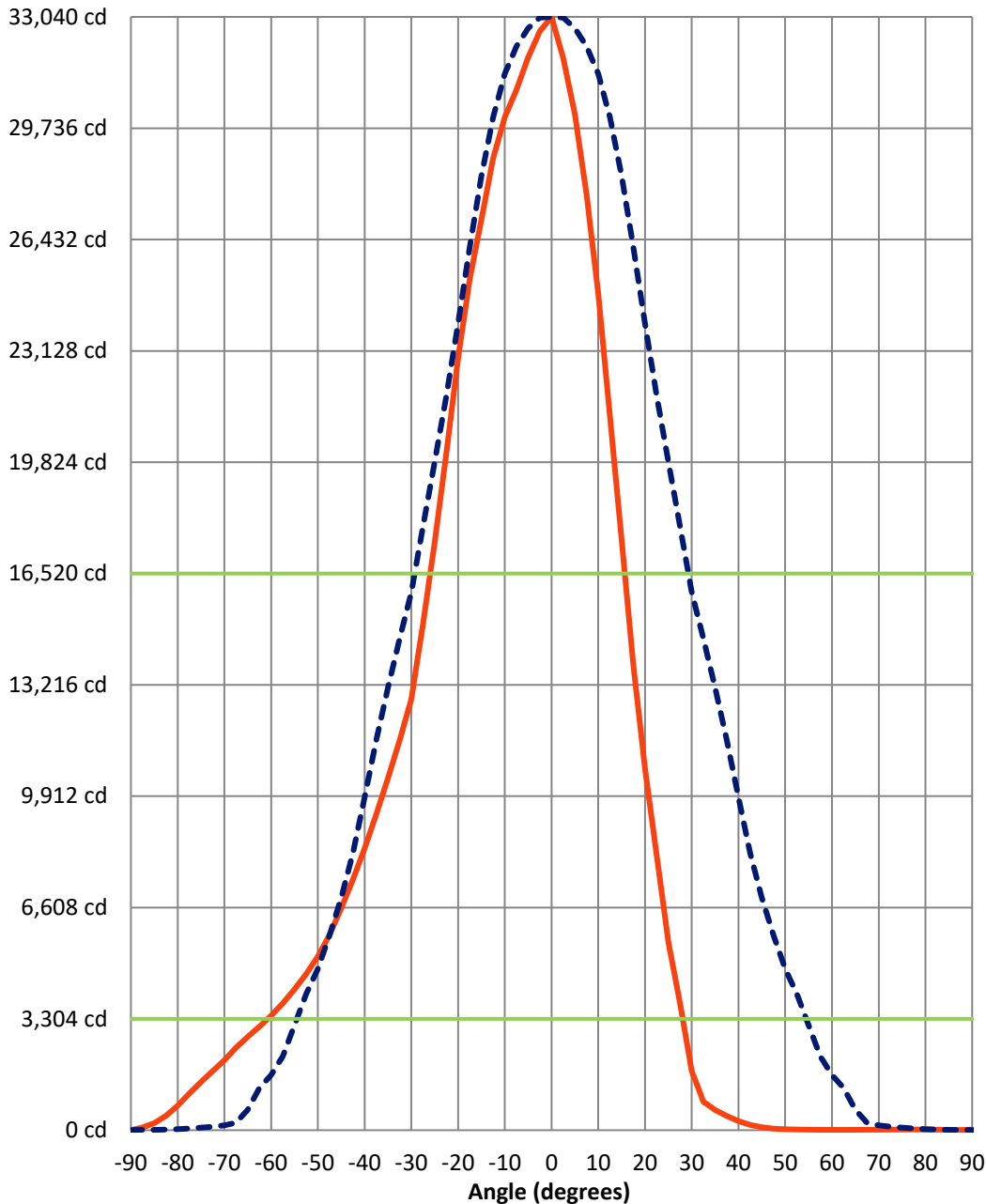
Luminous Intensity Polar Plot



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

REPORT NUMBER: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV2-S

Luminous Intensity Plot



Beam:
 H Angle: 58.6°
 V Angle: 41.6°
 Lumens: 14013.5
 Efficiency: 48.5%

Field:
 H Angle: 109°
 V Angle: 88.8°
 Lumens: 26253.9
 Efficiency: 90.8%

Spill:
 Lumens: 2652.6
 Efficiency: 9.2%

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



REPORT NUMBER: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV2-S

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	5.0	5.3	5.7	6.2	6.7	6.9	7.0	7.1	7.1
85°	4.6	5.0	5.4	6.1	6.8	7.8	8.8	9.2	9.4	9.5	9.5
82.5°	4.6	5.1	5.8	6.8	7.9	9.3	10.9	11.5	11.8	12.6	14.1
80°	4.6	5.3	6.2	7.5	9.0	10.9	12.8	13.0	14.3	16.5	19.8
77.5°	4.6	5.5	6.6	8.2	10.1	11.9	13.0	14.2	16.6	20.3	24.1
75°	4.6	5.7	7.0	8.8	10.9	11.9	13.2	15.2	18.6	21.7	24.8
72.5°	4.6	5.8	7.4	9.5	10.9	11.9	13.3	15.9	19.1	22.3	25.4
70°	4.6	6.0	7.8	10.0	10.8	11.9	13.5	16.3	19.6	22.8	26.4
67.5°	4.6	6.2	8.1	9.9	10.7	11.9	13.9	16.7	20.0	23.7	27.5
65°	4.6	6.3	8.5	9.7	10.5	12.1	14.4	17.0	20.8	24.6	28.8
62.5°	4.6	6.5	8.8	9.6	10.4	12.5	14.8	17.5	21.5	25.6	30.9
60°	4.6	6.6	9.1	9.4	10.2	12.9	15.2	18.1	22.1	27.3	32.8
57.5°	4.6	6.8	9.1	9.2	10.5	13.2	16.0	18.7	23.3	28.8	33.8
55°	4.6	6.9	9.0	9.0	10.9	13.6	16.7	19.5	24.5	30.1	34.4
52.5°	4.6	7.0	8.9	8.8	11.2	14.0	17.4	20.8	25.6	30.7	35.0
50°	4.6	7.1	8.9	8.6	11.5	14.7	18.2	22.2	26.5	31.4	34.0
47.5°	4.6	7.3	8.9	8.5	11.7	15.3	19.0	23.6	27.1	32.0	33.0
45°	4.6	7.4	8.9	8.7	12.0	16.0	20.2	24.9	28.6	31.3	32.1
42.5°	4.6	7.5	8.9	8.9	12.2	16.6	21.4	26.4	30.3	30.7	31.2
40°	4.6	7.6	8.9	9.2	12.6	17.2	22.5	28.0	31.9	30.4	30.5
37.5°	4.6	7.7	8.9	9.7	13.0	17.8	23.6	29.7	33.3	32.2	30.2
35°	4.6	7.7	9.0	10.2	13.5	18.6	24.7	31.5	35.1	34.7	32.4
32.5°	4.6	7.8	9.0	10.7	13.9	19.4	25.9	33.4	37.2	38.0	41.6
30°	4.6	7.9	9.1	11.3	14.3	20.2	27.4	35.4	39.8	42.0	51.1
27.5°	4.6	8.0	9.2	11.8	15.4	21.0	28.9	37.4	42.9	46.7	60.7
25°	4.6	8.0	9.3	12.4	16.7	21.7	30.5	39.6	46.6	53.8	71.4
22.5°	4.6	8.0	9.4	12.9	18.0	23.0	32.0	41.9	50.6	62.0	106.0
20°	4.6	8.1	9.5	13.5	19.4	25.9	33.4	44.3	54.9	70.1	142.5
17.5°	4.6	8.1	9.6	14.0	20.8	28.9	37.3	46.8	59.5	78.1	180.4
15°	4.6	8.1	9.7	14.6	22.3	32.1	42.8	52.0	64.2	85.9	218.9
12.5°	4.6	8.1	9.8	15.1	23.7	35.3	48.3	60.5	73.9	93.6	257.1
10°	4.6	8.1	9.9	15.6	25.1	38.6	53.9	69.1	87.9	116.6	307.6
7.5°	4.6	8.1	10.1	16.1	26.4	41.8	59.5	77.8	102.1	142.6	386.0
5°	4.6	8.1	10.2	16.6	27.8	45.0	65.0	86.5	116.3	168.9	464.0
2.5°	4.6	8.1	10.3	17.0	29.0	48.1	70.3	95.0	130.3	195.1	539.2
0°	4.6	8.1	10.4	17.4	30.2	51.0	75.4	103.2	143.9	220.4	609.0
-2.5°	4.6	8.2	11.2	20.0	36.1	61.9	94.9	135.5	194.7	302.6	716.8
-5°	4.6	8.4	11.9	22.5	41.8	72.6	113.9	166.9	244.2	381.8	815.3
-7.5°	4.6	8.5	12.6	24.9	47.2	82.7	132.1	197.1	291.4	456.6	903.1
-10°	4.6	8.6	13.3	27.1	52.4	92.3	149.2	225.5	335.7	525.5	978.9
-12.5°	4.6	8.8	14.0	29.2	57.2	101.2	165.0	251.8	376.4	584.7	1007.6
-15°	4.6	8.9	14.6	31.2	61.6	109.2	179.3	275.5	412.1	620.9	1012.1
-17.5°	4.6	9.0	15.1	32.9	65.4	116.4	191.8	298.0	442.8	651.8	1010.4
-20°	4.6	9.0	15.7	34.4	68.8	122.5	204.0	319.1	469.4	677.3	1003.4



REPORT NUMBER: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.6	9.1	16.1	35.6	71.6	127.6	217.0	337.1	491.5	697.1	991.8
-25°	4.6	9.1	16.5	36.6	73.7	134.1	227.7	351.8	508.9	710.9	976.0
-27.5°	4.6	9.2	16.8	37.2	75.1	140.4	236.1	363.0	521.3	722.4	985.9
-30°	4.6	9.2	17.1	37.6	76.1	145.1	242.0	370.6	531.7	734.5	989.9
-32.5°	4.6	9.2	17.3	37.6	78.4	148.2	245.4	376.4	539.0	739.8	986.4
-35°	4.6	9.2	17.4	37.3	79.9	149.6	248.0	379.2	541.2	738.3	975.5
-37.5°	4.6	9.1	17.4	36.6	80.3	149.9	249.0	378.4	538.2	729.8	927.8
-40°	4.6	9.1	17.4	35.6	79.8	150.0	247.4	373.8	530.0	719.5	880.2
-42.5°	4.6	9.0	17.3	34.6	79.1	148.5	243.2	365.4	519.5	684.8	829.4
-45°	4.6	8.9	17.1	34.0	78.3	145.4	236.4	355.0	505.4	645.0	777.1
-47.5°	4.6	8.9	16.8	32.9	76.7	140.8	227.1	343.5	486.0	603.2	730.4
-50°	4.6	8.7	16.4	32.6	74.3	134.7	218.4	328.6	452.0	565.0	681.6
-52.5°	4.6	8.6	15.9	32.3	71.1	127.0	208.1	310.3	420.1	525.1	631.6
-55°	4.6	8.5	15.4	31.5	67.1	120.5	195.6	289.3	388.1	483.6	585.7
-57.5°	4.6	8.3	14.8	30.4	62.4	113.4	181.2	270.1	354.7	444.7	538.2
-60°	4.6	8.1	14.2	29.0	57.0	105.0	165.3	246.1	320.9	405.3	490.8
-62.5°	4.6	7.9	13.6	27.2	53.2	95.6	151.9	219.7	289.4	364.5	445.2
-65°	4.6	7.7	13.1	25.1	48.8	85.2	137.1	193.8	256.3	324.9	398.1
-67.5°	4.6	7.5	12.5	22.7	43.8	75.3	120.9	171.0	221.7	284.3	350.5
-70°	4.6	7.3	11.8	20.0	38.4	66.1	103.5	147.0	192.0	242.0	301.6
-72.5°	4.6	7.1	11.2	18.2	32.4	56.1	88.0	122.0	161.2	204.7	252.2
-75°	4.6	6.8	10.5	16.7	26.1	45.5	72.0	99.4	129.3	166.1	206.4
-77.5°	4.6	6.6	9.7	15.1	22.5	34.3	55.2	77.3	101.4	128.1	159.2
-80°	4.6	6.3	9.0	13.4	19.4	27.1	37.7	54.5	73.4	94.2	117.0
-82.5°	4.6	6.0	8.2	11.6	16.3	22.1	29.3	36.1	44.7	59.6	75.9
-85°	4.6	5.8	7.4	9.8	13.0	17.1	21.9	26.6	31.7	37.3	43.3
-87.5°	4.6	5.5	6.6	8.0	9.7	11.9	14.5	16.9	19.6	22.6	25.7
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6



REPORT NUMBER: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV2-S

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	9.6	9.9	10.1	10.4	11.0	11.6	12.2
87.5°	7.4	7.8	8.2	8.6	7.9	7.0	6.1	5.1	5.4	5.7	6.0
85°	10.2	11.0	12.0	12.8	12.2	11.7	11.4	11.1	11.7	12.3	12.6
82.5°	15.5	16.5	17.2	17.5	17.8	18.4	19.4	21.5	22.8	23.5	23.8
80°	21.4	22.1	22.8	24.4	27.1	30.4	34.2	38.3	39.4	39.2	38.5
77.5°	25.0	26.4	29.2	33.1	37.7	42.4	47.5	53.1	54.5	53.8	52.7
75°	27.1	30.3	34.9	40.5	46.4	52.7	59.3	65.4	66.9	64.9	62.6
72.5°	29.0	33.7	39.8	47.1	53.9	60.4	67.1	74.1	76.9	73.6	69.3
70°	30.6	36.6	44.0	51.8	59.6	66.5	73.1	80.7	85.6	79.5	70.0
67.5°	32.1	39.5	47.6	55.7	62.3	69.1	77.1	80.4	82.2	72.4	62.3
65°	34.2	42.2	49.4	56.2	63.2	66.5	69.2	71.7	70.7	59.6	48.8
62.5°	36.3	42.9	49.6	55.0	57.3	59.3	58.9	56.6	53.0	46.1	37.7
60°	37.1	42.7	47.6	49.9	50.7	48.8	46.1	44.0	40.9	35.0	29.4
57.5°	37.5	40.8	43.5	44.2	42.1	39.2	38.2	35.1	32.9	29.2	24.1
55°	37.3	37.8	39.1	37.5	35.8	34.7	33.1	32.1	28.9	25.4	21.7
52.5°	35.7	35.2	34.0	33.2	33.7	33.5	32.9	31.2	28.4	24.8	22.8
50°	34.3	32.2	30.3	32.9	35.3	37.2	34.2	32.4	32.3	30.7	27.3
47.5°	32.5	29.8	31.4	35.4	42.1	44.6	40.5	40.4	41.7	45.0	40.9
45°	31.0	31.9	34.5	44.5	52.7	56.5	57.1	52.6	63.7	67.4	66.3
42.5°	29.8	36.3	48.2	55.2	68.4	76.6	79.8	86.4	93.0	101.1	103.1
40°	34.1	42.1	68.9	80.8	89.0	102.9	119.7	130.6	132.7	144.9	150.4
37.5°	39.8	65.7	97.2	117.6	117.1	141.2	166.4	192.8	207.7	196.0	223.0
35°	46.2	93.3	137.9	167.7	175.2	190.2	234.6	285.1	334.0	305.4	319.3
32.5°	65.3	125.0	185.6	231.1	275.4	285.5	313.0	450.0	538.6	540.1	468.7
30°	96.6	169.5	242.4	304.6	407.0	454.0	497.9	668.1	817.1	913.0	933.4
27.5°	135.8	220.4	311.8	423.8	569.0	653.7	796.1	978.7	1213.2	1388.8	1510.2
25°	179.8	299.1	387.8	574.6	762.3	918.0	1117.8	1369.2	1698.1	1979.5	2242.3
22.5°	236.4	390.5	508.2	743.6	976.6	1203.8	1481.2	1842.6	2261.1	2627.1	2999.5
20°	307.7	494.4	665.3	952.0	1220.2	1493.6	1849.5	2352.2	2882.0	3399.4	3882.5
17.5°	384.8	603.8	841.3	1190.1	1552.9	1862.2	2234.8	2881.4	3535.8	4246.4	4949.9
15°	466.1	717.1	1015.8	1449.8	1910.2	2331.3	2824.2	3482.8	4260.9	5172.4	6080.1
12.5°	549.5	832.5	1186.9	1724.7	2282.9	2809.0	3436.6	4188.1	5081.4	6162.3	7263.0
10°	633.0	948.0	1352.9	2007.6	2663.7	3288.9	4033.5	4868.9	5890.4	7104.9	8350.1
7.5°	784.4	1099.8	1525.1	2290.6	3044.7	3764.2	4609.7	5520.8	6656.5	8006.7	9368.6
5°	946.1	1286.7	1759.9	2587.4	3404.6	4181.2	5127.9	6137.5	7373.9	8856.0	10332.8
2.5°	1103.1	1466.6	1983.9	2864.7	3735.3	4499.2	5476.3	6538.0	7847.3	9449.0	11065.2
0°	1250.6	1638.0	2194.9	3116.0	4039.4	4786.5	5785.3	6894.4	8221.5	9873.5	11574.2
-2.5°	1383.8	1794.7	2372.4	3269.7	4133.3	4857.6	5863.5	6975.7	8288.3	9875.0	11447.2
-5°	1500.9	1940.8	2533.3	3398.0	4203.4	4904.8	5900.7	7008.5	8295.8	9804.0	11271.9
-7.5°	1600.7	2075.3	2676.4	3490.4	4240.7	4942.5	5908.6	6996.8	8252.0	9674.9	11065.0
-10°	1667.3	2130.8	2685.4	3466.4	4230.5	4957.7	5881.5	6940.8	8149.3	9491.7	10808.4
-12.5°	1624.2	2110.2	2653.5	3413.0	4195.2	4938.1	5818.5	6842.5	7989.8	9264.8	10505.3
-15°	1575.5	2076.2	2601.5	3329.3	4135.0	4881.2	5721.5	6704.3	7716.0	8893.3	10117.3
-17.5°	1523.5	2028.1	2528.7	3214.4	4050.0	4785.3	5541.9	6339.7	7268.0	8422.7	9631.8
-20°	1470.6	1965.4	2434.6	3067.9	3933.4	4541.3	5160.6	5902.4	6782.5	7857.4	9067.9



REPORT NUMBER: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1419.1	1887.8	2335.4	2939.1	3622.6	4196.3	4755.9	5423.3	6222.7	7195.4	8256.1
-25°	1380.2	1807.4	2239.3	2728.6	3296.0	3845.8	4321.6	4913.2	5640.4	6472.4	7311.6
-27.5°	1350.1	1736.1	2103.3	2520.9	2989.0	3492.4	3915.0	4422.9	5107.7	5774.1	6421.8
-30°	1318.0	1641.8	1965.6	2329.4	2743.1	3160.5	3527.2	4023.0	4632.2	5207.2	5722.8
-32.5°	1256.0	1542.0	1845.0	2172.8	2519.8	2863.7	3247.3	3717.1	4226.2	4720.7	5134.3
-35°	1182.6	1448.5	1728.8	2018.2	2311.3	2643.8	3025.9	3428.8	3859.6	4306.7	4778.0
-37.5°	1121.0	1351.0	1609.2	1874.8	2145.5	2455.2	2797.1	3167.0	3548.9	3948.7	4410.1
-40°	1054.8	1250.1	1495.6	1741.7	1990.8	2269.5	2583.7	2911.8	3254.1	3632.7	4032.0
-42.5°	985.9	1171.8	1382.1	1605.9	1839.6	2089.2	2362.6	2667.6	2982.2	3314.8	3671.5
-45°	926.5	1089.5	1270.1	1478.6	1686.5	1907.2	2154.2	2420.1	2715.3	3011.3	3321.9
-47.5°	864.1	1007.7	1175.4	1349.3	1540.3	1735.9	1942.6	2193.1	2448.1	2719.5	2988.5
-50°	801.8	936.3	1077.0	1237.3	1401.0	1572.5	1753.9	1977.7	2211.7	2440.0	2675.8
-52.5°	746.0	861.9	994.0	1130.0	1276.0	1424.8	1592.9	1787.7	1993.8	2197.0	2407.1
-55°	688.2	796.8	913.0	1035.6	1160.8	1293.2	1448.0	1621.5	1791.0	1980.1	2168.0
-57.5°	633.5	733.7	839.4	947.5	1060.0	1174.4	1323.4	1467.6	1625.1	1782.1	1945.1
-60°	580.0	672.7	769.7	867.8	965.3	1079.9	1206.4	1340.7	1474.7	1608.2	1760.7
-62.5°	525.9	614.5	702.9	791.8	882.4	988.8	1109.3	1227.6	1341.8	1469.0	1598.3
-65°	474.2	555.0	638.5	720.6	801.1	904.2	1012.8	1124.8	1235.8	1342.5	1452.4
-67.5°	420.5	494.2	571.1	650.2	727.6	817.0	914.0	1016.0	1119.6	1217.8	1318.5
-70°	364.1	430.6	500.0	571.7	646.7	726.4	809.4	898.6	990.4	1077.1	1164.8
-72.5°	305.4	363.0	424.4	489.4	554.6	622.9	695.6	772.3	847.3	920.0	995.8
-75°	248.4	293.5	344.8	399.6	455.1	512.8	573.5	636.1	696.4	755.4	816.3
-77.5°	192.3	228.0	267.0	308.9	350.5	395.3	442.8	492.7	539.6	585.5	632.2
-80°	138.7	161.2	189.6	220.6	251.9	283.9	316.7	350.2	380.2	411.7	445.7
-82.5°	91.4	107.5	124.4	142.0	159.8	178.2	198.2	221.8	241.6	261.2	280.9
-85°	48.2	53.2	63.4	74.2	84.6	95.4	106.7	118.2	128.5	138.3	147.6
-87.5°	28.3	31.0	33.7	36.5	38.8	41.1	43.4	45.7	48.8	52.0	55.2
-90°	4.6	4.6	4.6	4.6	4.3	4.1	3.8	3.5	3.5	3.5	3.5



REPORT NUMBER: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	12.8	13.4	14.0	14.5	15.1	15.4	15.7	15.9	16.2	16.5	16.8
87.5°	6.4	6.2	6.0	5.8	5.6	6.9	8.3	9.8	11.3	10.3	9.2
85°	12.9	12.8	12.7	12.6	12.4	14.3	16.3	18.3	20.2	18.5	16.6
82.5°	23.8	23.3	22.5	21.3	19.9	19.7	19.3	18.7	17.8	17.0	16.3
80°	37.4	35.6	33.4	30.7	27.6	26.0	24.4	22.6	20.6	20.0	19.6
77.5°	50.6	47.2	43.3	39.0	34.4	31.5	28.9	26.1	23.2	22.4	21.9
75°	59.8	55.6	49.7	43.4	36.9	32.5	29.2	26.0	22.8	21.7	21.0
72.5°	64.0	57.8	50.5	42.2	34.2	29.0	25.7	22.8	20.1	18.9	18.4
70°	60.8	51.9	43.7	35.8	28.3	23.3	21.0	19.0	17.3	16.5	16.0
67.5°	51.8	42.8	34.9	28.0	22.2	18.4	17.2	16.0	15.0	14.4	14.2
65°	40.1	33.2	27.1	22.2	18.2	15.7	14.7	13.7	12.8	12.2	12.0
62.5°	30.4	25.0	21.1	18.0	15.6	13.8	13.1	12.4	11.9	11.5	11.2
60°	24.4	19.9	17.4	15.7	14.3	13.0	12.8	12.7	12.5	12.3	11.8
57.5°	20.9	18.0	16.2	15.8	15.2	14.3	14.1	14.0	13.6	12.8	12.3
55°	19.9	19.2	18.5	18.8	18.8	18.1	17.0	16.3	15.6	15.0	15.1
52.5°	22.2	23.7	24.5	24.4	23.2	21.5	19.5	19.8	20.1	20.5	20.8
50°	29.6	31.5	31.5	28.9	28.7	27.7	25.3	26.4	27.9	28.3	28.5
47.5°	41.1	42.9	44.2	39.6	40.4	42.8	40.2	39.5	44.4	46.6	47.6
45°	60.0	67.3	69.5	70.8	68.8	75.2	75.3	72.3	81.8	87.0	88.8
42.5°	100.0	112.4	122.2	125.0	122.7	130.6	136.7	136.2	148.3	156.8	159.0
40°	167.3	178.9	193.0	198.2	200.4	207.7	223.1	233.0	245.1	258.4	265.1
37.5°	253.6	271.9	274.8	285.5	298.9	305.8	329.2	349.2	365.6	390.5	406.5
35°	380.0	428.4	376.3	401.0	435.2	439.2	460.4	506.6	518.2	561.8	585.9
32.5°	613.4	703.4	691.6	607.9	681.5	765.0	672.0	837.5	822.6	869.2	928.4
30°	968.1	1229.9	1258.9	1136.5	1340.8	1451.7	1433.9	1598.8	1704.4	1691.4	1896.4
27.5°	1727.1	1937.0	2032.4	2208.2	2318.6	2482.1	2769.9	2937.6	3239.3	3397.6	3587.4
25°	2548.5	2796.7	3103.1	3405.4	3635.1	3997.5	4401.5	4719.2	5146.1	5414.0	5609.2
22.5°	3436.4	3874.9	4301.4	4722.6	5186.3	5685.4	6162.0	6712.4	7232.1	7615.7	7905.8
20°	4409.9	5016.7	5620.0	6198.2	6776.7	7444.1	8034.2	8695.7	9334.0	9888.9	10271.0
17.5°	5613.3	6247.8	7018.2	7791.9	8541.3	9367.8	10239.5	10981.2	11876.2	12615.5	13171.5
15°	6924.0	7718.5	8559.4	9527.2	10539.2	11561.8	12619.1	13709.5	14728.4	15673.5	16381.5
12.5°	8277.4	9266.4	10290.9	11362.5	12536.0	13808.6	15137.2	16435.1	17694.9	18733.7	19705.0
10°	9577.5	10813.5	12002.3	13257.9	14609.3	16032.9	17588.7	19134.7	20599.0	21878.7	22923.8
7.5°	10716.6	12058.5	13430.0	14969.6	16573.6	18169.0	19854.7	21588.8	23255.4	24730.4	25952.4
5°	11787.4	13187.4	14576.8	16233.2	18003.1	19833.8	21742.3	23690.4	25489.6	27157.2	28510.5
2.5°	12622.4	14094.8	15523.5	17339.7	19207.3	21071.7	23017.8	25147.7	27154.8	28967.6	30295.3
0°	13132.2	14585.7	15966.2	17915.2	19836.3	21793.3	23939.5	26206.3	28320.0	30056.6	31350.1
-2.5°	12955.9	14374.1	15871.7	17786.2	19817.1	21774.5	23945.5	26233.2	28333.1	30097.8	31360.9
-5°	12713.8	14104.1	15619.9	17535.5	19517.6	21472.7	23613.2	25862.9	27925.3	29661.4	30857.6
-7.5°	12416.1	13758.1	15236.1	17093.9	19065.0	21022.5	23106.1	25234.7	27207.1	28932.8	30058.5
-10°	12064.3	13336.5	14798.7	16585.5	18541.6	20428.5	22408.4	24516.5	26496.0	28065.4	29273.6
-12.5°	11699.2	12938.7	14296.6	15987.1	17859.8	19614.0	21504.3	23534.4	25278.3	26883.3	27945.1
-15°	11281.2	12469.9	13743.1	15301.3	16998.6	18640.5	20282.5	22072.8	23664.1	25091.2	26219.4
-17.5°	10797.4	11923.6	13041.1	14442.2	16067.2	17533.7	18971.4	20530.3	21945.0	23255.2	24232.0
-20°	10129.1	11055.9	12129.6	13470.1	14877.7	16114.7	17426.5	18736.0	19995.4	21104.6	21931.6



REPORT NUMBER: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9171.9	10073.7	11068.4	12164.8	13342.5	14478.7	15601.5	16673.0	17697.7	18620.6	19286.4
-25°	8153.1	8976.8	9874.6	10785.9	11726.3	12744.2	13729.0	14613.5	15456.0	16169.2	16717.5
-27.5°	7140.7	7919.6	8704.7	9440.1	10192.3	11042.5	11904.4	12644.9	13358.6	13917.2	14344.7
-30°	6236.5	7069.2	7760.4	8260.8	8989.7	9735.7	10294.4	10968.2	11530.4	11886.9	12346.4
-32.5°	5738.2	6366.3	6993.0	7507.5	8086.7	8741.1	9270.3	9820.7	10295.2	10678.4	10967.2
-35°	5283.7	5835.6	6365.1	6894.4	7411.6	7937.3	8425.0	8889.6	9310.5	9649.3	9917.0
-37.5°	4875.4	5353.1	5832.4	6289.0	6753.6	7193.0	7611.7	8012.4	8366.3	8671.6	8924.0
-40°	4463.1	4889.8	5311.4	5724.3	6130.5	6489.2	6849.2	7180.4	7479.0	7749.2	7969.8
-42.5°	4049.1	4429.9	4799.2	5173.7	5534.2	5845.5	6142.8	6416.5	6672.6	6902.8	7093.2
-45°	3642.2	3978.4	4303.8	4636.4	4940.3	5224.1	5483.2	5713.6	5933.6	6127.8	6287.7
-47.5°	3275.4	3549.2	3839.6	4123.5	4387.3	4642.9	4869.5	5072.3	5265.3	5429.7	5560.2
-50°	2934.5	3184.5	3429.3	3659.3	3905.8	4129.9	4321.7	4508.6	4684.1	4830.7	4940.9
-52.5°	2613.9	2844.6	3064.8	3279.3	3493.2	3692.6	3876.6	4047.5	4200.9	4335.3	4430.7
-55°	2360.2	2548.7	2727.0	2933.5	3129.8	3307.0	3471.8	3637.7	3785.6	3916.1	3995.8
-57.5°	2120.0	2290.1	2459.8	2638.3	2811.0	2977.5	3133.9	3279.3	3415.5	3537.7	3606.4
-60°	1905.6	2042.9	2204.3	2369.0	2525.5	2674.1	2820.9	2957.4	3083.9	3190.3	3250.9
-62.5°	1726.0	1856.5	1993.0	2130.5	2266.0	2404.3	2537.5	2664.3	2784.4	2881.3	2940.2
-65°	1567.7	1685.8	1805.2	1926.9	2050.4	2172.1	2285.6	2396.9	2505.5	2588.5	2641.7
-67.5°	1418.6	1520.2	1620.5	1724.2	1830.6	1935.6	2035.6	2134.3	2231.0	2297.9	2339.6
-70°	1255.2	1344.9	1431.3	1518.6	1605.5	1690.9	1773.5	1856.0	1937.5	1991.3	2026.9
-72.5°	1074.1	1149.1	1219.2	1288.9	1359.9	1430.1	1498.1	1564.2	1628.1	1669.7	1700.4
-75°	878.6	935.7	990.2	1045.2	1100.2	1157.3	1213.4	1267.3	1318.5	1349.7	1373.6
-77.5°	679.6	720.0	758.4	797.1	835.7	879.9	924.7	968.1	1009.8	1031.9	1048.4
-80°	479.9	508.3	534.5	559.6	583.4	611.5	639.9	667.4	693.7	706.3	715.6
-82.5°	300.7	317.3	332.9	347.7	361.6	376.7	391.0	404.3	416.6	422.6	427.2
-85°	156.4	163.6	170.3	176.5	182.2	189.1	195.7	201.8	207.4	209.3	210.5
-87.5°	58.3	60.5	62.6	64.6	66.6	69.2	71.8	74.3	76.8	77.4	78.0
-90°	3.5	3.5	3.5	3.5	3.5	3.2	2.9	2.6	2.3	2.3	2.3



REPORT NUMBER: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	17.1	17.4	17.4	17.4	17.4	17.4	17.1	16.8	16.5	16.2	15.9
87.5°	8.1	7.0	6.4	5.8	6.4	7.0	8.1	9.2	10.3	11.3	9.8
85°	14.7	12.8	12.2	11.6	12.2	12.8	14.7	16.6	18.5	20.2	18.3
82.5°	15.7	15.1	15.1	15.1	15.1	15.1	15.7	16.3	17.0	17.8	18.7
80°	19.1	18.6	18.6	18.6	18.6	18.6	19.1	19.6	20.0	20.6	22.6
77.5°	21.4	20.9	20.9	20.9	20.9	20.9	21.4	21.9	22.4	23.2	26.1
75°	20.4	19.8	19.7	19.7	19.7	19.8	20.4	21.0	21.7	22.8	26.0
72.5°	17.9	17.5	17.4	17.4	17.4	17.5	17.9	18.4	18.9	20.1	22.8
70°	15.6	15.2	15.1	15.1	15.1	15.2	15.6	16.0	16.5	17.3	19.0
67.5°	14.0	13.9	13.9	13.9	13.9	13.9	14.0	14.2	14.4	15.0	16.0
65°	11.8	11.7	11.6	11.6	11.6	11.7	11.8	12.0	12.2	12.8	13.7
62.5°	10.9	10.5	9.9	9.3	9.9	10.5	10.9	11.2	11.5	11.9	12.4
60°	11.2	10.6	10.4	10.4	10.4	10.6	11.2	11.8	12.3	12.5	12.7
57.5°	12.0	11.7	11.6	11.6	11.6	11.7	12.0	12.3	12.8	13.6	14.0
55°	15.1	15.0	15.0	15.1	15.0	15.0	15.1	15.1	15.0	15.6	16.3
52.5°	21.0	20.8	20.8	20.9	20.8	20.8	21.0	20.8	20.5	20.1	19.8
50°	28.8	28.8	28.4	27.8	28.4	28.8	28.8	28.5	28.3	27.9	26.4
47.5°	48.4	47.6	46.8	46.4	46.8	47.6	48.4	47.6	46.6	44.4	39.5
45°	90.9	90.2	88.9	88.2	88.9	90.2	90.9	88.8	87.0	81.8	72.3
42.5°	162.7	161.4	158.4	156.6	158.4	161.4	162.7	159.0	156.8	148.3	136.2
40°	272.8	274.2	271.8	270.3	271.8	274.2	272.8	265.1	258.4	245.1	233.0
37.5°	419.2	425.4	424.6	422.3	424.6	425.4	419.2	406.5	390.5	365.6	349.2
35°	597.0	603.8	600.3	599.8	600.3	603.8	597.0	585.9	561.8	518.2	506.6
32.5°	883.9	873.9	836.5	846.9	836.5	873.9	883.9	928.4	869.2	822.6	837.5
30°	1910.3	1947.0	1842.3	1758.7	1842.3	1947.0	1910.3	1896.4	1691.4	1704.4	1598.8
27.5°	3606.1	3685.4	3670.6	3756.4	3670.6	3685.4	3606.1	3587.4	3397.6	3239.3	2937.6
25°	5685.7	5738.3	5741.7	5587.0	5741.7	5738.3	5685.7	5609.2	5414.0	5146.1	4719.2
22.5°	8013.2	8063.9	8156.3	8156.6	8156.3	8063.9	8013.2	7905.8	7615.7	7232.1	6712.4
20°	10536.7	10546.0	10722.6	10735.4	10722.6	10546.0	10536.7	10271.0	9888.9	9334.0	8695.7
17.5°	13562.9	13710.0	13948.8	13809.6	13948.8	13710.0	13562.9	13171.5	12615.5	11876.2	10981.2
15°	17051.4	17380.2	17635.5	17520.8	17635.5	17380.2	17051.4	16381.5	15673.5	14728.4	13709.5
12.5°	20477.3	20995.6	21242.3	21182.0	21242.3	20995.6	20477.3	19705.0	18733.7	17694.9	16435.1
10°	23738.3	24467.8	24729.8	24822.3	24729.8	24467.8	23738.3	22923.8	21878.7	20599.0	19134.7
7.5°	26864.5	27533.0	27930.3	27764.3	27930.3	27533.0	26864.5	25952.4	24730.4	23255.4	21588.8
5°	29373.5	29938.2	30259.1	30144.8	30259.1	29938.2	29373.5	28510.5	27157.2	25489.6	23690.4
2.5°	31150.5	31677.7	31955.9	31815.9	31955.9	31677.7	31150.5	30295.3	28967.6	27154.8	25147.7
0°	32165.6	32702.8	33017.7	33040.4	33017.7	32702.8	32165.6	31350.1	30056.6	28320.0	26206.3
-2.5°	32126.0	32505.5	32726.8	32614.1	32726.8	32505.5	32126.0	31360.9	30097.8	28333.1	26233.2
-5°	31453.5	31773.9	31888.9	31839.7	31888.9	31773.9	31453.5	30857.6	29661.4	27925.3	25862.9
-7.5°	30623.7	30860.0	30939.0	30880.3	30939.0	30860.0	30623.7	30058.5	28932.8	27207.1	25234.7
-10°	29821.0	30057.1	30097.2	30063.6	30097.2	30057.1	29821.0	29273.6	28065.4	26496.0	24516.5
-12.5°	28652.3	28908.2	28916.5	28838.6	28916.5	28908.2	28652.3	27945.1	26883.3	25278.3	23534.4
-15°	26829.4	27038.7	27072.5	27028.8	27072.5	27038.7	26829.4	26219.4	25091.2	23664.1	22072.8
-17.5°	24803.4	24941.9	25092.0	25259.7	25092.0	24941.9	24803.4	24232.0	23255.2	21945.0	20530.3
-20°	22370.7	22536.5	22713.7	22901.2	22713.7	22536.5	22370.7	21931.6	21104.6	19995.4	18736.0



REPORT NUMBER: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19636.8	19823.0	20004.7	20099.6	20004.7	19823.0	19636.8	19286.4	18620.6	17697.7	16673.0
-25°	16992.2	17219.0	17362.4	17448.8	17362.4	17219.0	16992.2	16717.5	16169.2	15456.0	14613.5
-27.5°	14567.7	14836.6	14969.0	15025.4	14969.0	14836.6	14567.7	14344.7	13917.2	13358.6	12644.9
-30°	12525.7	12690.8	12713.7	12799.2	12713.7	12690.8	12525.7	12346.4	11886.9	11530.4	10968.2
-32.5°	11179.5	11362.9	11474.4	11568.4	11474.4	11362.9	11179.5	10967.2	10678.4	10295.2	9820.7
-35°	10124.8	10290.9	10400.3	10445.4	10400.3	10290.9	10124.8	9917.0	9649.3	9310.5	8889.6
-37.5°	9113.9	9239.4	9315.9	9377.0	9315.9	9239.4	9113.9	8924.0	8671.6	8366.3	8012.4
-40°	8139.2	8263.7	8339.3	8359.6	8339.3	8263.7	8139.2	7969.8	7749.2	7479.0	7180.4
-42.5°	7229.4	7325.3	7391.1	7436.1	7391.1	7325.3	7229.4	7093.2	6902.8	6672.6	6416.5
-45°	6405.7	6490.2	6548.7	6584.6	6548.7	6490.2	6405.7	6287.7	6127.8	5933.6	5713.6
-47.5°	5656.3	5724.3	5771.0	5798.1	5771.0	5724.3	5656.3	5560.2	5429.7	5265.3	5072.3
-50°	5023.0	5083.8	5126.9	5153.1	5126.9	5083.8	5023.0	4940.9	4830.7	4684.1	4508.6
-52.5°	4505.2	4564.2	4607.6	4635.7	4607.6	4564.2	4505.2	4430.7	4335.3	4200.9	4047.5
-55°	4062.0	4116.2	4155.5	4180.9	4155.5	4116.2	4062.0	3995.8	3916.1	3785.6	3637.7
-57.5°	3664.7	3712.6	3745.8	3766.8	3745.8	3712.6	3664.7	3606.4	3537.7	3415.5	3279.3
-60°	3302.7	3345.9	3376.5	3397.9	3376.5	3345.9	3302.7	3250.9	3190.3	3083.9	2957.4
-62.5°	2992.5	3037.8	3062.1	3075.4	3062.1	3037.8	2992.5	2940.2	2881.3	2784.4	2664.3
-65°	2690.5	2734.3	2757.9	2771.4	2757.9	2734.3	2690.5	2641.7	2588.5	2505.5	2396.9
-67.5°	2376.3	2407.9	2431.9	2450.1	2431.9	2407.9	2376.3	2339.6	2297.9	2231.0	2134.3
-70°	2057.5	2083.0	2083.8	2076.6	2083.8	2083.0	2057.5	2026.9	1991.3	1937.5	1856.0
-72.5°	1727.1	1749.5	1755.3	1755.2	1755.3	1749.5	1727.1	1700.4	1669.7	1628.1	1564.2
-75°	1394.3	1411.4	1423.0	1430.4	1423.0	1411.4	1394.3	1373.6	1349.7	1318.5	1267.3
-77.5°	1061.8	1072.1	1081.7	1088.2	1081.7	1072.1	1061.8	1048.4	1031.9	1009.8	968.1
-80°	722.7	727.5	728.6	727.4	728.6	727.5	722.7	715.6	706.3	693.7	667.4
-82.5°	430.5	432.5	430.4	426.9	430.4	432.5	430.5	427.2	422.6	416.6	404.3
-85°	211.2	211.3	210.9	210.0	210.9	211.3	211.2	210.5	209.3	207.4	201.8
-87.5°	78.4	78.7	80.0	81.2	80.0	78.7	78.4	78.0	77.4	76.8	74.3
-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: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	15.7	15.4	15.1	14.5	14.0	13.4	12.8	12.2	11.6	11.0	10.4
87.5°	8.3	6.9	5.6	5.8	6.0	6.2	6.4	6.0	5.7	5.4	5.1
85°	16.3	14.3	12.4	12.6	12.7	12.8	12.9	12.6	12.3	11.7	11.1
82.5°	19.3	19.7	19.9	21.3	22.5	23.3	23.8	23.8	23.5	22.8	21.5
80°	24.4	26.0	27.6	30.7	33.4	35.6	37.4	38.5	39.2	39.4	38.3
77.5°	28.9	31.5	34.4	39.0	43.3	47.2	50.6	52.7	53.8	54.5	53.1
75°	29.2	32.5	36.9	43.4	49.7	55.6	59.8	62.6	64.9	66.9	65.4
72.5°	25.7	29.0	34.2	42.2	50.5	57.8	64.0	69.3	73.6	76.9	74.1
70°	21.0	23.3	28.3	35.8	43.7	51.9	60.8	70.0	79.5	85.6	80.7
67.5°	17.2	18.4	22.2	28.0	34.9	42.8	51.8	62.3	72.4	82.2	80.4
65°	14.7	15.7	18.2	22.2	27.1	33.2	40.1	48.8	59.6	70.7	71.7
62.5°	13.1	13.8	15.6	18.0	21.1	25.0	30.4	37.7	46.1	53.0	56.6
60°	12.8	13.0	14.3	15.7	17.4	19.9	24.4	29.4	35.0	40.9	44.0
57.5°	14.1	14.3	15.2	15.8	16.2	18.0	20.9	24.1	29.2	32.9	35.1
55°	17.0	18.1	18.8	18.8	18.5	19.2	19.9	21.7	25.4	28.9	32.1
52.5°	19.5	21.5	23.2	24.4	24.5	23.7	22.2	22.8	24.8	28.4	31.2
50°	25.3	27.7	28.7	28.9	31.5	31.5	29.6	27.3	30.7	32.3	32.4
47.5°	40.2	42.8	40.4	39.6	44.2	42.9	41.1	40.9	45.0	41.7	40.4
45°	75.3	75.2	68.8	70.8	69.5	67.3	60.0	66.3	67.4	63.7	52.6
42.5°	136.7	130.6	122.7	125.0	122.2	112.4	100.0	103.1	101.1	93.0	86.4
40°	223.1	207.7	200.4	198.2	193.0	178.9	167.3	150.4	144.9	132.7	130.6
37.5°	329.2	305.8	298.9	285.5	274.8	271.9	253.6	223.0	196.0	207.7	192.8
35°	460.4	439.2	435.2	401.0	376.3	428.4	380.0	319.3	305.4	334.0	285.1
32.5°	672.0	765.0	681.5	607.9	691.6	703.4	613.4	468.7	540.1	538.6	450.0
30°	1433.9	1451.7	1340.8	1136.5	1258.9	1229.9	968.1	933.4	913.0	817.1	668.1
27.5°	2769.9	2482.1	2318.6	2208.2	2032.4	1937.0	1727.1	1510.2	1388.8	1213.2	978.7
25°	4401.5	3997.5	3635.1	3405.4	3103.1	2796.7	2548.5	2242.3	1979.5	1698.1	1369.2
22.5°	6162.0	5685.4	5186.3	4722.6	4301.4	3874.9	3436.4	2999.5	2627.1	2261.1	1842.6
20°	8034.2	7444.1	6776.7	6198.2	5620.0	5016.7	4409.9	3882.5	3399.4	2882.0	2352.2
17.5°	10239.5	9367.8	8541.3	7791.9	7018.2	6247.8	5613.3	4949.9	4246.4	3535.8	2881.4
15°	12619.1	11561.8	10539.2	9527.2	8559.4	7718.5	6924.0	6080.1	5172.4	4260.9	3482.8
12.5°	15137.2	13808.6	12536.0	11362.5	10290.9	9266.4	8277.4	7263.0	6162.3	5081.4	4188.1
10°	17588.7	16032.9	14609.3	13257.9	12002.3	10813.5	9577.5	8350.1	7104.9	5890.4	4868.9
7.5°	19854.7	18169.0	16573.6	14969.6	13430.0	12058.5	10716.6	9368.6	8006.7	6656.5	5520.8
5°	21742.3	19833.8	18003.1	16233.2	14576.8	13187.4	11787.4	10332.8	8856.0	7373.9	6137.5
2.5°	23017.8	21071.7	19207.3	17339.7	15523.5	14094.8	12622.4	11065.2	9449.0	7847.3	6538.0
0°	23939.5	21793.3	19836.3	17915.2	15966.2	14585.7	13132.2	11574.2	9873.5	8221.5	6894.4
-2.5°	23945.5	21774.5	19817.1	17786.2	15871.7	14374.1	12955.9	11447.2	9875.0	8288.3	6975.7
-5°	23613.2	21472.7	19517.6	17535.5	15619.9	14104.1	12713.8	11271.9	9804.0	8295.8	7008.5
-7.5°	23106.1	21022.5	19065.0	17093.9	15236.1	13758.1	12416.1	11065.0	9674.9	8252.0	6996.8
-10°	22408.4	20428.5	18541.6	16585.5	14798.7	13336.5	12064.3	10808.4	9491.7	8149.3	6940.8
-12.5°	21504.3	19614.0	17859.8	15987.1	14296.6	12938.7	11699.2	10505.3	9264.8	7989.8	6842.5
-15°	20282.5	18640.5	16998.6	15301.3	13743.1	12469.9	11281.2	10117.3	8893.3	7716.0	6704.3
-17.5°	18971.4	17533.7	16067.2	14442.2	13041.1	11923.6	10797.4	9631.8	8422.7	7268.0	6339.7
-20°	17426.5	16114.7	14877.7	13470.1	12129.6	11055.9	10129.1	9067.9	7857.4	6782.5	5902.4



REPORT NUMBER: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	15601.5	14478.7	13342.5	12164.8	11068.4	10073.7	9171.9	8256.1	7195.4	6222.7	5423.3
-25°	13729.0	12744.2	11726.3	10785.9	9874.6	8976.8	8153.1	7311.6	6472.4	5640.4	4913.2
-27.5°	11904.4	11042.5	10192.3	9440.1	8704.7	7919.6	7140.7	6421.8	5774.1	5107.7	4422.9
-30°	10294.4	9735.7	8989.7	8260.8	7760.4	7069.2	6236.5	5722.8	5207.2	4632.2	4023.0
-32.5°	9270.3	8741.1	8086.7	7507.5	6993.0	6366.3	5738.2	5134.3	4720.7	4226.2	3717.1
-35°	8425.0	7937.3	7411.6	6894.4	6365.1	5835.6	5283.7	4778.0	4306.7	3859.6	3428.8
-37.5°	7611.7	7193.0	6753.6	6289.0	5832.4	5353.1	4875.4	4410.1	3948.7	3548.9	3167.0
-40°	6849.2	6489.2	6130.5	5724.3	5311.4	4889.8	4463.1	4032.0	3632.7	3254.1	2911.8
-42.5°	6142.8	5845.5	5534.2	5173.7	4799.2	4429.9	4049.1	3671.5	3314.8	2982.2	2667.6
-45°	5483.2	5224.1	4940.3	4636.4	4303.8	3978.4	3642.2	3321.9	3011.3	2715.3	2420.1
-47.5°	4869.5	4642.9	4387.3	4123.5	3839.6	3549.2	3275.4	2988.5	2719.5	2448.1	2193.1
-50°	4321.7	4129.9	3905.8	3659.3	3429.3	3184.5	2934.5	2675.8	2440.0	2211.7	1977.7
-52.5°	3876.6	3692.6	3493.2	3279.3	3064.8	2844.6	2613.9	2407.1	2197.0	1993.8	1787.7
-55°	3471.8	3307.0	3129.8	2933.5	2727.0	2548.7	2360.2	2168.0	1980.1	1791.0	1621.5
-57.5°	3133.9	2977.5	2811.0	2638.3	2459.8	2290.1	2120.0	1945.1	1782.1	1625.1	1467.6
-60°	2820.9	2674.1	2525.5	2369.0	2204.3	2042.9	1905.6	1760.7	1608.2	1474.7	1340.7
-62.5°	2537.5	2404.3	2266.0	2130.5	1993.0	1856.5	1726.0	1598.3	1469.0	1341.8	1227.6
-65°	2285.6	2172.1	2050.4	1926.9	1805.2	1685.8	1567.7	1452.4	1342.5	1235.8	1124.8
-67.5°	2035.6	1935.6	1830.6	1724.2	1620.5	1520.2	1418.6	1318.5	1217.8	1119.6	1016.0
-70°	1773.5	1690.9	1605.5	1518.6	1431.3	1344.9	1255.2	1164.8	1077.1	990.4	898.6
-72.5°	1498.1	1430.1	1359.9	1288.9	1219.2	1149.1	1074.1	995.8	920.0	847.3	772.3
-75°	1213.4	1157.3	1100.2	1045.2	990.2	935.7	878.6	816.3	755.4	696.4	636.1
-77.5°	924.7	879.9	835.7	797.1	758.4	720.0	679.6	632.2	585.5	539.6	492.7
-80°	639.9	611.5	583.4	559.6	534.5	508.3	479.9	445.7	411.7	380.2	350.2
-82.5°	391.0	376.7	361.6	347.7	332.9	317.3	300.7	280.9	261.2	241.6	221.8
-85°	195.7	189.1	182.2	176.5	170.3	163.6	156.4	147.6	138.3	128.5	118.2
-87.5°	71.8	69.2	66.6	64.6	62.6	60.5	58.3	55.2	52.0	48.8	45.7
-90°	2.9	3.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5



REPORT NUMBER: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	10.1	9.9	9.6	9.3	9.0	8.7	8.4	8.1	7.8	7.6	7.3
87.5°	6.1	7.0	7.9	8.6	8.2	7.8	7.4	7.1	7.1	7.0	6.9
85°	11.4	11.7	12.2	12.8	12.0	11.0	10.2	9.5	9.5	9.4	9.2
82.5°	19.4	18.4	17.8	17.5	17.2	16.5	15.5	14.1	12.6	11.8	11.5
80°	34.2	30.4	27.1	24.4	22.8	22.1	21.4	19.8	16.5	14.3	13.0
77.5°	47.5	42.4	37.7	33.1	29.2	26.4	25.0	24.1	20.3	16.6	14.2
75°	59.3	52.7	46.4	40.5	34.9	30.3	27.1	24.8	21.7	18.6	15.2
72.5°	67.1	60.4	53.9	47.1	39.8	33.7	29.0	25.4	22.3	19.1	15.9
70°	73.1	66.5	59.6	51.8	44.0	36.6	30.6	26.4	22.8	19.6	16.3
67.5°	77.1	69.1	62.3	55.7	47.6	39.5	32.1	27.5	23.7	20.0	16.7
65°	69.2	66.5	63.2	56.2	49.4	42.2	34.2	28.8	24.6	20.8	17.0
62.5°	58.9	59.3	57.3	55.0	49.6	42.9	36.3	30.9	25.6	21.5	17.5
60°	46.1	48.8	50.7	49.9	47.6	42.7	37.1	32.8	27.3	22.1	18.1
57.5°	38.2	39.2	42.1	44.2	43.5	40.8	37.5	33.8	28.8	23.3	18.7
55°	33.1	34.7	35.8	37.5	39.1	37.8	37.3	34.4	30.1	24.5	19.5
52.5°	32.9	33.5	33.7	33.2	34.0	35.2	35.7	35.0	30.7	25.6	20.8
50°	34.2	37.2	35.3	32.9	30.3	32.2	34.3	34.0	31.4	26.5	22.2
47.5°	40.5	44.6	42.1	35.4	31.4	29.8	32.5	33.0	32.0	27.1	23.6
45°	57.1	56.5	52.7	44.5	34.5	31.9	31.0	32.1	31.3	28.6	24.9
42.5°	79.8	76.6	68.4	55.2	48.2	36.3	29.8	31.2	30.7	30.3	26.4
40°	119.7	102.9	89.0	80.8	68.9	42.1	34.1	30.5	30.4	31.9	28.0
37.5°	166.4	141.2	117.1	117.6	97.2	65.7	39.8	30.2	32.2	33.3	29.7
35°	234.6	190.2	175.2	167.7	137.9	93.3	46.2	32.4	34.7	35.1	31.5
32.5°	313.0	285.5	275.4	231.1	185.6	125.0	65.3	41.6	38.0	37.2	33.4
30°	497.9	454.0	407.0	304.6	242.4	169.5	96.6	51.1	42.0	39.8	35.4
27.5°	796.1	653.7	569.0	423.8	311.8	220.4	135.8	60.7	46.7	42.9	37.4
25°	1117.8	918.0	762.3	574.6	387.8	299.1	179.8	71.4	53.8	46.6	39.6
22.5°	1481.2	1203.8	976.6	743.6	508.2	390.5	236.4	106.0	62.0	50.6	41.9
20°	1849.5	1493.6	1220.2	952.0	665.3	494.4	307.7	142.5	70.1	54.9	44.3
17.5°	2234.8	1862.2	1552.9	1190.1	841.3	603.8	384.8	180.4	78.1	59.5	46.8
15°	2824.2	2331.3	1910.2	1449.8	1015.8	717.1	466.1	218.9	85.9	64.2	52.0
12.5°	3436.6	2809.0	2282.9	1724.7	1186.9	832.5	549.5	257.1	93.6	73.9	60.5
10°	4033.5	3288.9	2663.7	2007.6	1352.9	948.0	633.0	307.6	116.6	87.9	69.1
7.5°	4609.7	3764.2	3044.7	2290.6	1525.1	1099.8	784.4	386.0	142.6	102.1	77.8
5°	5127.9	4181.2	3404.6	2587.4	1759.9	1286.7	946.1	464.0	168.9	116.3	86.5
2.5°	5476.3	4499.2	3735.3	2864.7	1983.9	1466.6	1103.1	539.2	195.1	130.3	95.0
0°	5785.3	4786.5	4039.4	3116.0	2194.9	1638.0	1250.6	609.0	220.4	143.9	103.2
-2.5°	5863.5	4857.6	4133.3	3269.7	2372.4	1794.7	1383.8	716.8	302.6	194.7	135.5
-5°	5900.7	4904.8	4203.4	3398.0	2533.3	1940.8	1500.9	815.3	381.8	244.2	166.9
-7.5°	5908.6	4942.5	4240.7	3490.4	2676.4	2075.3	1600.7	903.1	456.6	291.4	197.1
-10°	5881.5	4957.7	4230.5	3466.4	2685.4	2130.8	1667.3	978.9	525.5	335.7	225.5
-12.5°	5818.5	4938.1	4195.2	3413.0	2653.5	2110.2	1624.2	1007.6	584.7	376.4	251.8
-15°	5721.5	4881.2	4135.0	3329.3	2601.5	2076.2	1575.5	1012.1	620.9	412.1	275.5
-17.5°	5541.9	4785.3	4050.0	3214.4	2528.7	2028.1	1523.5	1010.4	651.8	442.8	298.0
-20°	5160.6	4541.3	3933.4	3067.9	2434.6	1965.4	1470.6	1003.4	677.3	469.4	319.1



REPORT NUMBER: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4755.9	4196.3	3622.6	2939.1	2335.4	1887.8	1419.1	991.8	697.1	491.5	337.1
-25°	4321.6	3845.8	3296.0	2728.6	2239.3	1807.4	1380.2	976.0	710.9	508.9	351.8
-27.5°	3915.0	3492.4	2989.0	2520.9	2103.3	1736.1	1350.1	985.9	722.4	521.3	363.0
-30°	3527.2	3160.5	2743.1	2329.4	1965.6	1641.8	1318.0	989.9	734.5	531.7	370.6
-32.5°	3247.3	2863.7	2519.8	2172.8	1845.0	1542.0	1256.0	986.4	739.8	539.0	376.4
-35°	3025.9	2643.8	2311.3	2018.2	1728.8	1448.5	1182.6	975.5	738.3	541.2	379.2
-37.5°	2797.1	2455.2	2145.5	1874.8	1609.2	1351.0	1121.0	927.8	729.8	538.2	378.4
-40°	2583.7	2269.5	1990.8	1741.7	1495.6	1250.1	1054.8	880.2	719.5	530.0	373.8
-42.5°	2362.6	2089.2	1839.6	1605.9	1382.1	1171.8	985.9	829.4	684.8	519.5	365.4
-45°	2154.2	1907.2	1686.5	1478.6	1270.1	1089.5	926.5	777.1	645.0	505.4	355.0
-47.5°	1942.6	1735.9	1540.3	1349.3	1175.4	1007.7	864.1	730.4	603.2	486.0	343.5
-50°	1753.9	1572.5	1401.0	1237.3	1077.0	936.3	801.8	681.6	565.0	452.0	328.6
-52.5°	1592.9	1424.8	1276.0	1130.0	994.0	861.9	746.0	631.6	525.1	420.1	310.3
-55°	1448.0	1293.2	1160.8	1035.6	913.0	796.8	688.2	585.7	483.6	388.1	289.3
-57.5°	1323.4	1174.4	1060.0	947.5	839.4	733.7	633.5	538.2	444.7	354.7	270.1
-60°	1206.4	1079.9	965.3	867.8	769.7	672.7	580.0	490.8	405.3	320.9	246.1
-62.5°	1109.3	988.8	882.4	791.8	702.9	614.5	525.9	445.2	364.5	289.4	219.7
-65°	1012.8	904.2	801.1	720.6	638.5	555.0	474.2	398.1	324.9	256.3	193.8
-67.5°	914.0	817.0	727.6	650.2	571.1	494.2	420.5	350.5	284.3	221.7	171.0
-70°	809.4	726.4	646.7	571.7	500.0	430.6	364.1	301.6	242.0	192.0	147.0
-72.5°	695.6	622.9	554.6	489.4	424.4	363.0	305.4	252.2	204.7	161.2	122.0
-75°	573.5	512.8	455.1	399.6	344.8	293.5	248.4	206.4	166.1	129.3	99.4
-77.5°	442.8	395.3	350.5	308.9	267.0	228.0	192.3	159.2	128.1	101.4	77.3
-80°	316.7	283.9	251.9	220.6	189.6	161.2	138.7	117.0	94.2	73.4	54.5
-82.5°	198.2	178.2	159.8	142.0	124.4	107.5	91.4	75.9	59.6	44.7	36.1
-85°	106.7	95.4	84.6	74.2	63.4	53.2	48.2	43.3	37.3	31.7	26.6
-87.5°	43.4	41.1	38.8	36.5	33.7	31.0	28.3	25.7	22.6	19.6	16.9
-90°	3.8	4.1	4.3	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6



REPORT NUMBER: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV2-S

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°	6.7	6.2	5.7	5.3	5.0	4.8	4.6
85°	8.8	7.8	6.8	6.1	5.4	5.0	4.6
82.5°	10.9	9.3	7.9	6.8	5.8	5.1	4.6
80°	12.8	10.9	9.0	7.5	6.2	5.3	4.6
77.5°	13.0	11.9	10.1	8.2	6.6	5.5	4.6
75°	13.2	11.9	10.9	8.8	7.0	5.7	4.6
72.5°	13.3	11.9	10.9	9.5	7.4	5.8	4.6
70°	13.5	11.9	10.8	10.0	7.8	6.0	4.6
67.5°	13.9	11.9	10.7	9.9	8.1	6.2	4.6
65°	14.4	12.1	10.5	9.7	8.5	6.3	4.6
62.5°	14.8	12.5	10.4	9.6	8.8	6.5	4.6
60°	15.2	12.9	10.2	9.4	9.1	6.6	4.6
57.5°	16.0	13.2	10.5	9.2	9.1	6.8	4.6
55°	16.7	13.6	10.9	9.0	9.0	6.9	4.6
52.5°	17.4	14.0	11.2	8.8	8.9	7.0	4.6
50°	18.2	14.7	11.5	8.6	8.9	7.1	4.6
47.5°	19.0	15.3	11.7	8.5	8.9	7.3	4.6
45°	20.2	16.0	12.0	8.7	8.9	7.4	4.6
42.5°	21.4	16.6	12.2	8.9	8.9	7.5	4.6
40°	22.5	17.2	12.6	9.2	8.9	7.6	4.6
37.5°	23.6	17.8	13.0	9.7	8.9	7.7	4.6
35°	24.7	18.6	13.5	10.2	9.0	7.7	4.6
32.5°	25.9	19.4	13.9	10.7	9.0	7.8	4.6
30°	27.4	20.2	14.3	11.3	9.1	7.9	4.6
27.5°	28.9	21.0	15.4	11.8	9.2	8.0	4.6
25°	30.5	21.7	16.7	12.4	9.3	8.0	4.6
22.5°	32.0	23.0	18.0	12.9	9.4	8.0	4.6
20°	33.4	25.9	19.4	13.5	9.5	8.1	4.6
17.5°	37.3	28.9	20.8	14.0	9.6	8.1	4.6
15°	42.8	32.1	22.3	14.6	9.7	8.1	4.6
12.5°	48.3	35.3	23.7	15.1	9.8	8.1	4.6
10°	53.9	38.6	25.1	15.6	9.9	8.1	4.6
7.5°	59.5	41.8	26.4	16.1	10.1	8.1	4.6
5°	65.0	45.0	27.8	16.6	10.2	8.1	4.6
2.5°	70.3	48.1	29.0	17.0	10.3	8.1	4.6
0°	75.4	51.0	30.2	17.4	10.4	8.1	4.6
-2.5°	94.9	61.9	36.1	20.0	11.2	8.2	4.6
-5°	113.9	72.6	41.8	22.5	11.9	8.4	4.6
-7.5°	132.1	82.7	47.2	24.9	12.6	8.5	4.6
-10°	149.2	92.3	52.4	27.1	13.3	8.6	4.6
-12.5°	165.0	101.2	57.2	29.2	14.0	8.8	4.6
-15°	179.3	109.2	61.6	31.2	14.6	8.9	4.6
-17.5°	191.8	116.4	65.4	32.9	15.1	9.0	4.6
-20°	204.0	122.5	68.8	34.4	15.7	9.0	4.6



REPORT NUMBER: P701336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	217.0	127.6	71.6	35.6	16.1	9.1	4.6
-25°	227.7	134.1	73.7	36.6	16.5	9.1	4.6
-27.5°	236.1	140.4	75.1	37.2	16.8	9.2	4.6
-30°	242.0	145.1	76.1	37.6	17.1	9.2	4.6
-32.5°	245.4	148.2	78.4	37.6	17.3	9.2	4.6
-35°	248.0	149.6	79.9	37.3	17.4	9.2	4.6
-37.5°	249.0	149.9	80.3	36.6	17.4	9.1	4.6
-40°	247.4	150.0	79.8	35.6	17.4	9.1	4.6
-42.5°	243.2	148.5	79.1	34.6	17.3	9.0	4.6
-45°	236.4	145.4	78.3	34.0	17.1	8.9	4.6
-47.5°	227.1	140.8	76.7	32.9	16.8	8.9	4.6
-50°	218.4	134.7	74.3	32.6	16.4	8.7	4.6
-52.5°	208.1	127.0	71.1	32.3	15.9	8.6	4.6
-55°	195.6	120.5	67.1	31.5	15.4	8.5	4.6
-57.5°	181.2	113.4	62.4	30.4	14.8	8.3	4.6
-60°	165.3	105.0	57.0	29.0	14.2	8.1	4.6
-62.5°	151.9	95.6	53.2	27.2	13.6	7.9	4.6
-65°	137.1	85.2	48.8	25.1	13.1	7.7	4.6
-67.5°	120.9	75.3	43.8	22.7	12.5	7.5	4.6
-70°	103.5	66.1	38.4	20.0	11.8	7.3	4.6
-72.5°	88.0	56.1	32.4	18.2	11.2	7.1	4.6
-75°	72.0	45.5	26.1	16.7	10.5	6.8	4.6
-77.5°	55.2	34.3	22.5	15.1	9.7	6.6	4.6
-80°	37.7	27.1	19.4	13.4	9.0	6.3	4.6
-82.5°	29.3	22.1	16.3	11.6	8.2	6.0	4.6
-85°	21.9	17.1	13.0	9.8	7.4	5.8	4.6
-87.5°	14.5	11.9	9.7	8.0	6.6	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







Horizontal Angle (degrees)



Horizontal Angle (degrees)

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

Scaled Data Report

