

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: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-80-7F-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701648 (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-08-0680R-40-80-7F-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

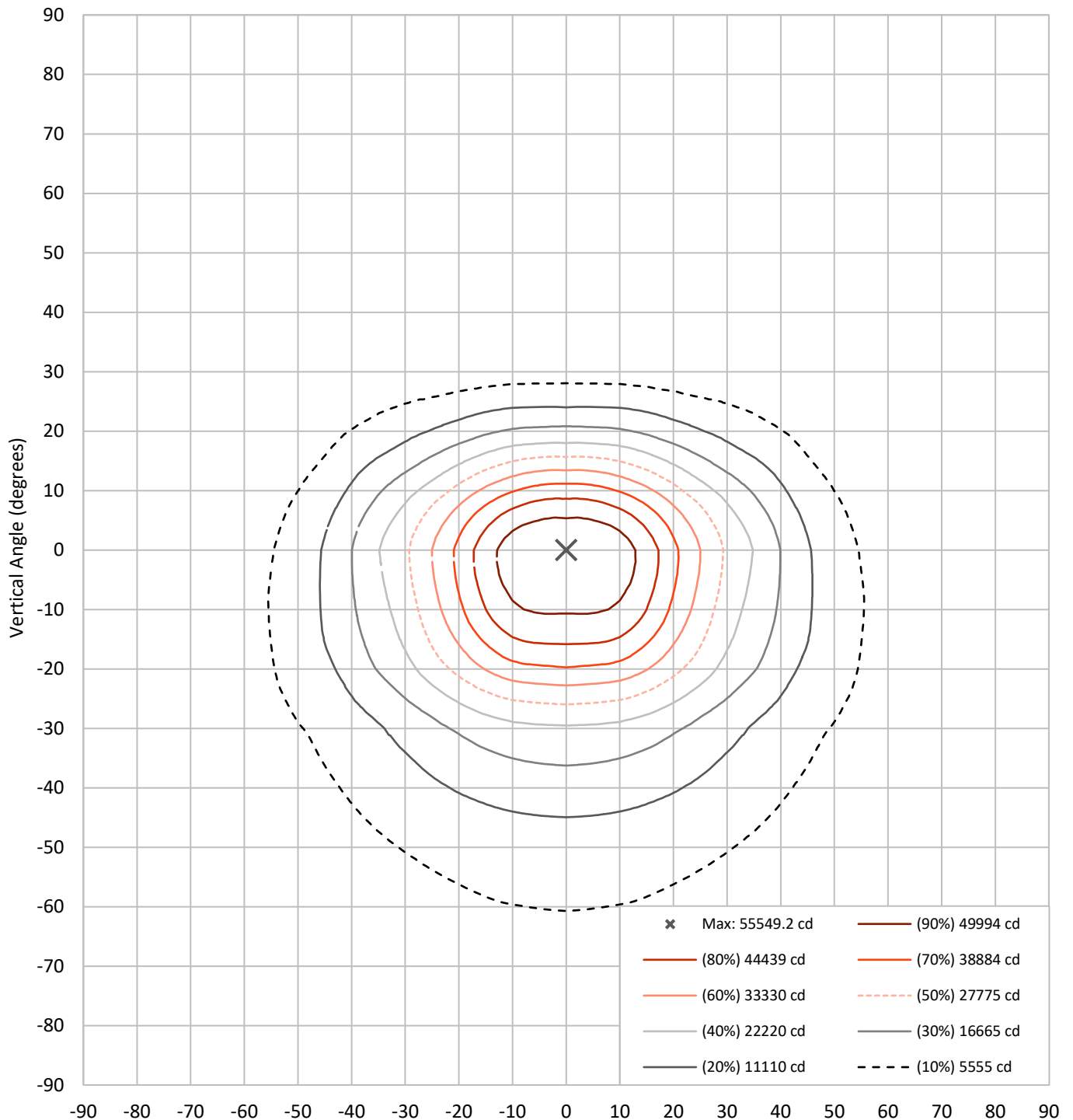
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	48599.1 lumens	Max Intensity:	55549.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	69.7 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:	23560.3 lumens	Field Lumens:	44139.4 lumens
Beam Efficiency:	48.5%	Field Efficiency:	90.8%

Input Watts (W): 697.5
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: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV2-S

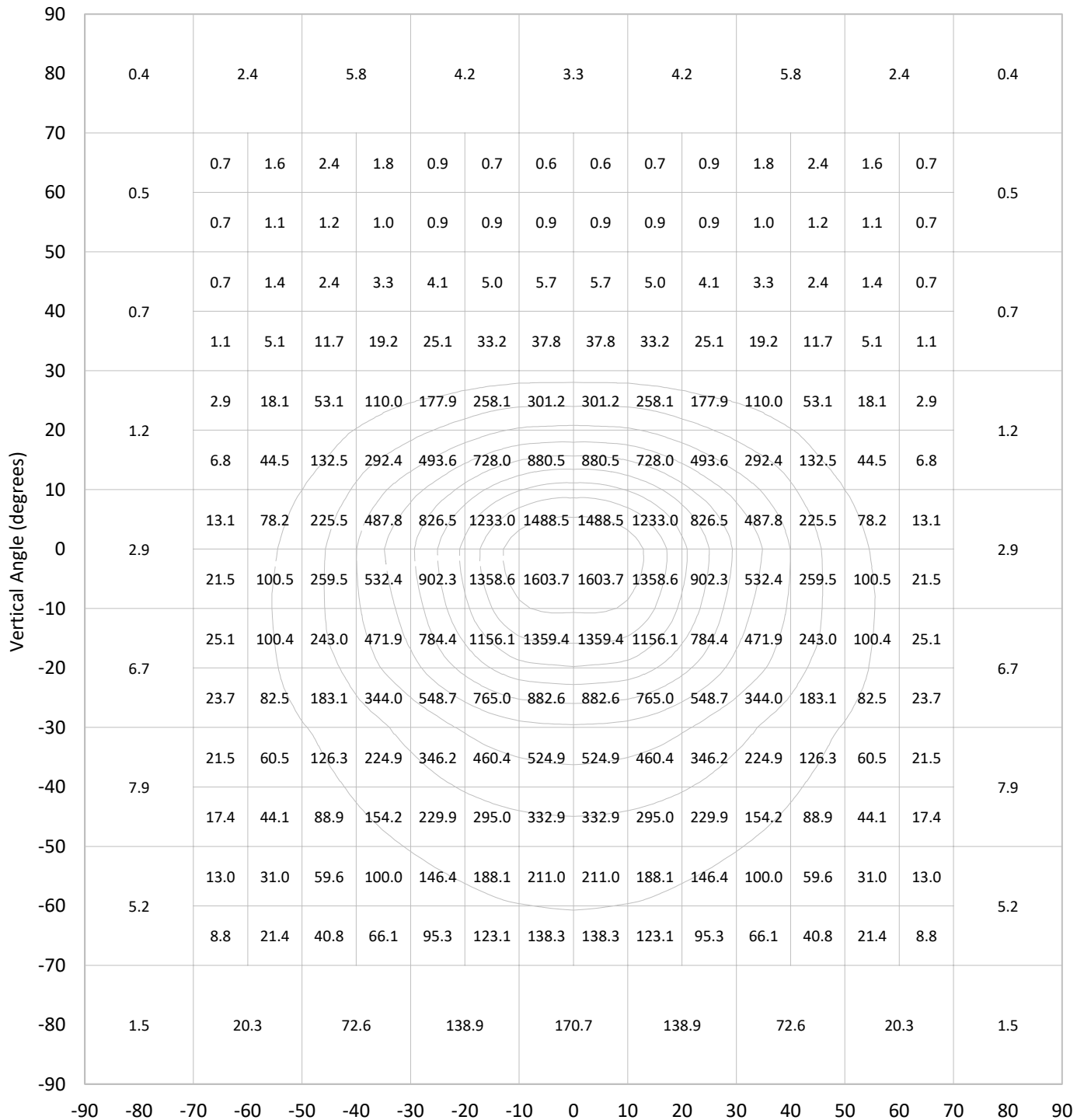
Iso-Candela Plot





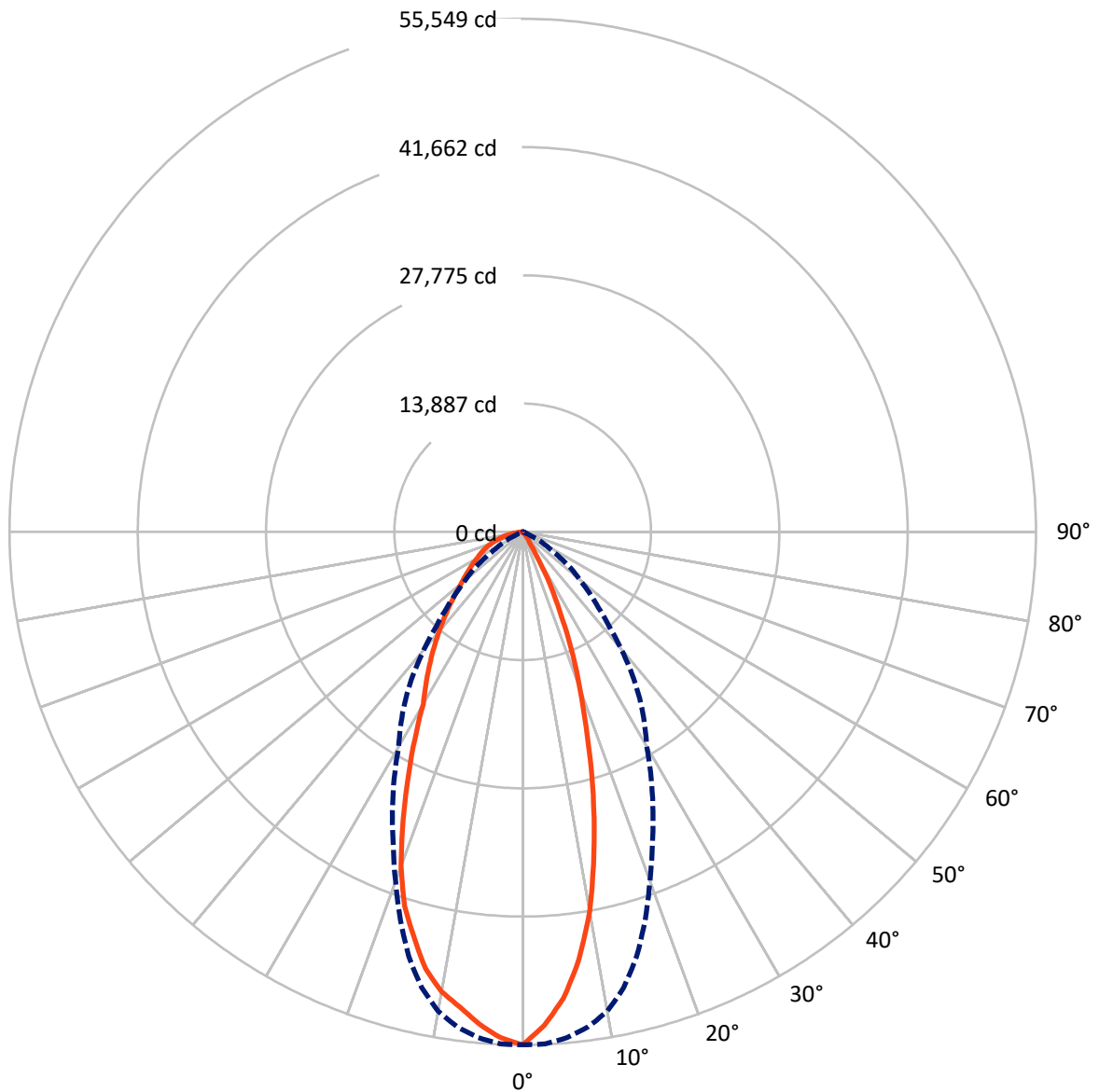
REPORT NUMBER: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV2-S

Lumen Table



REPORT NUMBER: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV2-S

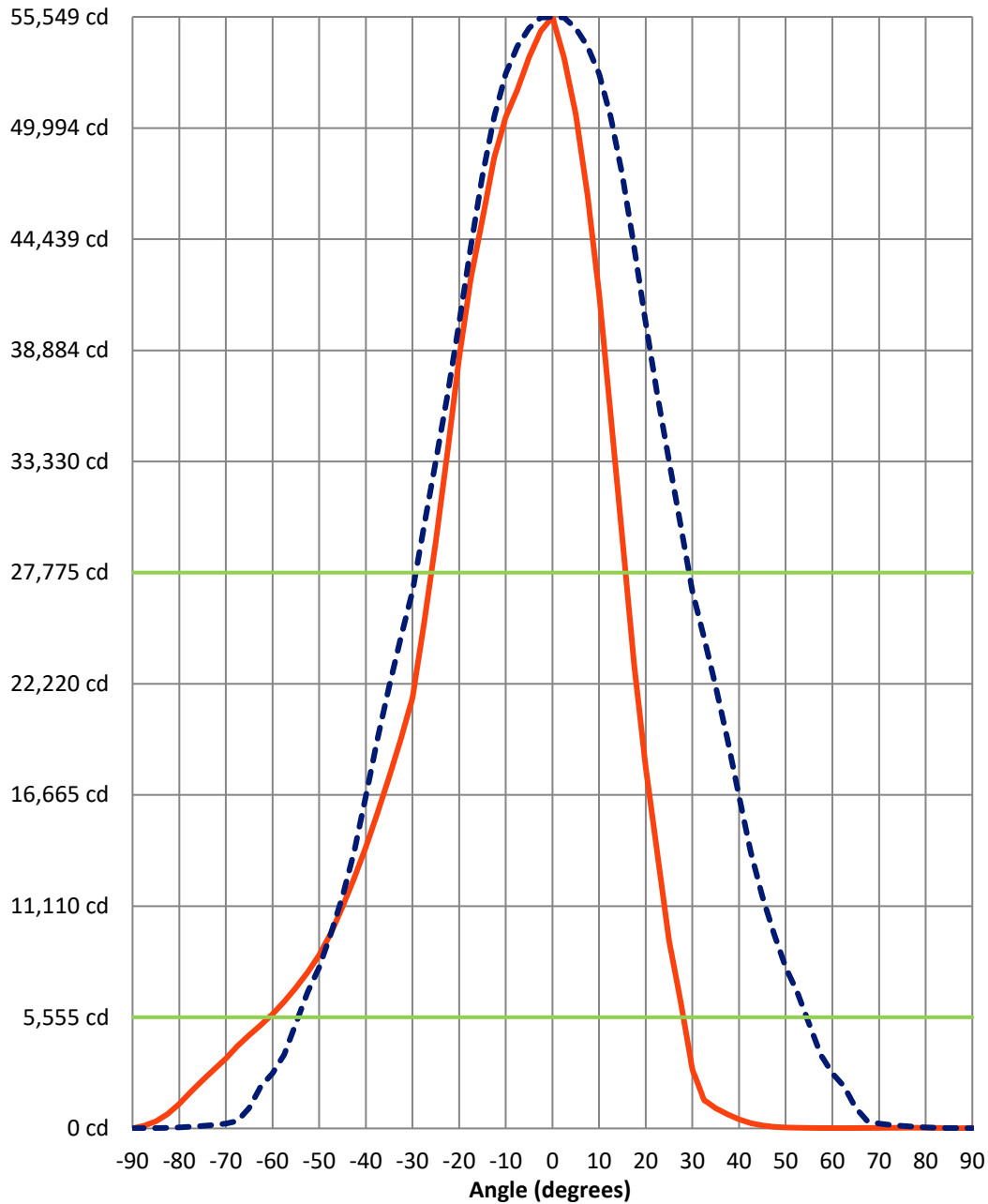
Luminous Intensity Polar Plot



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

REPORT NUMBER: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV2-S

Luminous Intensity Plot



Beam:
 H Angle: 58.6°
 V Angle: 41.6°
 Lumens: 23560.3
 Efficiency: 48.5%

Field:
 H Angle: 109°
 V Angle: 88.8°
 Lumens: 44139.4
 Efficiency: 90.8%

Spill:
 Lumens: 4459.7
 Efficiency: 9.2%

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



REPORT NUMBER: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV2-S

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.8	8.8	9.8	10.3	10.8	11.2	11.7	12.2	12.7	13.2	13.7
87.5°	7.8	8.1	8.5	9.0	9.7	10.4	11.3	11.6	11.8	11.9	11.9
85°	7.8	8.4	9.2	10.2	11.5	13.1	14.9	15.5	15.8	16.1	16.1
82.5°	7.8	8.7	9.8	11.4	13.4	15.7	18.4	19.3	19.9	21.2	23.8
80°	7.8	9.0	10.5	12.6	15.2	18.2	21.4	22.0	24.0	27.8	33.2
77.5°	7.8	9.3	11.2	13.7	16.9	19.9	21.8	23.8	27.9	34.1	40.5
75°	7.8	9.6	11.8	14.9	18.3	20.0	22.1	25.5	31.2	36.4	41.7
72.5°	7.8	9.8	12.4	16.0	18.2	20.1	22.4	26.7	32.1	37.4	42.8
70°	7.8	10.1	13.1	16.8	18.1	20.1	22.7	27.5	32.9	38.4	44.4
67.5°	7.8	10.4	13.7	16.6	18.0	20.0	23.5	28.1	33.7	39.9	46.1
65°	7.8	10.7	14.2	16.3	17.8	20.3	24.2	28.7	34.9	41.3	48.3
62.5°	7.8	10.9	14.8	16.1	17.5	21.0	25.0	29.5	36.1	43.0	51.9
60°	7.8	11.2	15.3	15.8	17.3	21.7	25.7	30.5	37.2	45.9	55.2
57.5°	7.8	11.4	15.2	15.5	17.8	22.3	26.9	31.5	39.2	48.5	56.8
55°	7.8	11.6	15.1	15.2	18.3	22.9	28.1	32.8	41.3	50.7	57.8
52.5°	7.8	11.8	15.1	14.9	18.8	23.6	29.4	35.0	43.1	51.7	58.8
50°	7.8	12.1	15.0	14.6	19.3	24.7	30.6	37.3	44.6	52.7	57.1
47.5°	7.8	12.3	15.0	14.4	19.7	25.8	32.0	39.6	45.6	53.7	55.4
45°	7.8	12.4	15.0	14.7	20.2	26.9	34.0	41.9	48.0	52.6	54.0
42.5°	7.8	12.6	15.0	15.0	20.6	27.9	36.0	44.4	50.8	51.5	52.4
40°	7.8	12.8	15.0	15.6	21.2	28.9	37.9	47.0	53.5	51.0	51.3
37.5°	7.8	12.9	15.1	16.4	21.9	30.0	39.8	49.9	55.9	54.0	50.7
35°	7.8	13.1	15.2	17.2	22.7	31.3	41.6	53.0	58.9	58.3	54.5
32.5°	7.8	13.2	15.3	18.1	23.4	32.7	43.6	56.2	62.6	63.9	70.0
30°	7.8	13.3	15.4	19.0	24.0	34.0	46.1	59.5	66.9	70.6	85.9
27.5°	7.8	13.4	15.5	19.9	25.9	35.3	48.7	62.9	72.0	78.4	102.0
25°	7.8	13.5	15.7	20.8	28.1	36.5	51.2	66.5	78.3	90.4	120.2
22.5°	7.8	13.6	15.8	21.7	30.4	38.7	53.8	70.4	85.1	104.2	178.2
20°	7.8	13.6	16.0	22.7	32.7	43.6	56.3	74.5	92.3	117.8	239.6
17.5°	7.8	13.7	16.2	23.6	35.0	48.7	62.8	78.8	100.0	131.3	303.3
15°	7.8	13.7	16.4	24.5	37.4	54.0	72.0	87.4	107.9	144.5	368.0
12.5°	7.8	13.8	16.6	25.4	39.8	59.4	81.3	101.7	124.3	157.3	432.4
10°	7.8	13.8	16.8	26.3	42.1	64.9	90.7	116.3	147.7	196.0	517.2
7.5°	7.8	13.8	17.0	27.1	44.4	70.4	100.1	130.9	171.6	239.7	649.0
5°	7.8	13.8	17.2	27.9	46.6	75.7	109.3	145.5	195.4	284.0	780.2
2.5°	7.8	13.7	17.4	28.6	48.7	80.9	118.2	159.8	219.0	328.0	906.6
0°	7.8	13.7	17.6	29.3	50.7	85.8	126.8	173.6	241.8	370.6	1024.0
-2.5°	7.8	13.9	18.9	33.6	60.6	104.2	159.7	227.9	327.3	508.8	1205.2
-5°	7.8	14.2	20.1	37.8	70.2	122.0	191.6	280.8	410.4	642.0	1370.7
-7.5°	7.8	14.4	21.3	41.9	79.4	139.1	222.2	331.5	489.9	767.7	1518.3
-10°	7.8	14.6	22.5	45.7	88.0	155.2	251.0	379.2	564.4	883.5	1645.7
-12.5°	7.8	14.8	23.6	49.2	96.1	170.2	277.6	423.4	632.8	983.0	1694.0
-15°	7.8	15.0	24.6	52.5	103.5	183.7	301.5	463.2	692.8	1043.8	1701.5
-17.5°	7.8	15.1	25.5	55.4	110.0	195.8	322.5	501.1	744.4	1095.9	1698.8
-20°	7.8	15.2	26.4	57.9	115.7	206.1	343.0	536.6	789.1	1138.7	1687.0



REPORT NUMBER: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.8	15.3	27.2	59.9	120.3	214.5	364.9	566.8	826.4	1171.9	1667.4
-25°	7.8	15.4	27.8	61.5	123.9	225.5	382.9	591.5	855.6	1195.3	1640.9
-27.5°	7.8	15.5	28.4	62.7	126.4	236.1	397.0	610.3	876.5	1214.5	1657.6
-30°	7.8	15.5	28.8	63.2	128.0	244.0	407.0	623.0	894.0	1234.9	1664.3
-32.5°	7.8	15.5	29.1	63.3	132.0	249.2	412.6	632.8	906.2	1243.8	1658.4
-35°	7.8	15.5	29.3	62.7	134.3	251.5	417.0	637.6	909.9	1241.2	1640.1
-37.5°	7.8	15.4	29.4	61.6	135.1	252.1	418.6	636.2	904.9	1226.9	1560.0
-40°	7.8	15.4	29.3	59.9	134.3	252.2	415.9	628.4	891.1	1209.6	1479.8
-42.5°	7.8	15.2	29.1	58.3	133.1	249.7	408.9	614.3	873.3	1151.4	1394.4
-45°	7.8	15.1	28.7	57.2	131.8	244.6	397.5	596.9	849.6	1084.4	1306.4
-47.5°	7.8	14.9	28.2	55.4	129.1	236.8	381.8	577.5	817.0	1014.2	1228.0
-50°	7.8	14.7	27.6	54.8	125.0	226.5	367.3	552.4	759.8	949.9	1146.0
-52.5°	7.8	14.5	26.8	54.3	119.6	213.7	349.9	521.6	706.2	882.8	1061.8
-55°	7.8	14.3	26.0	53.1	112.9	202.7	329.0	486.4	652.5	813.1	984.6
-57.5°	7.8	14.0	24.9	51.2	104.9	190.6	304.6	454.2	596.3	747.6	904.8
-60°	7.8	13.7	23.8	48.7	95.9	176.6	277.9	413.9	539.5	681.4	825.1
-62.5°	7.8	13.4	23.0	45.7	89.5	160.8	255.4	369.4	486.6	612.7	748.5
-65°	7.8	13.1	22.0	42.2	82.1	143.3	230.5	325.8	431.0	546.2	669.2
-67.5°	7.8	12.7	21.0	38.1	73.7	126.7	203.3	287.4	372.8	478.0	589.3
-70°	7.8	12.3	19.9	33.6	64.5	111.1	174.0	247.2	322.9	406.9	507.0
-72.5°	7.8	11.9	18.8	30.7	54.5	94.3	147.9	205.2	271.1	344.1	424.0
-75°	7.8	11.5	17.6	28.1	43.8	76.4	121.0	167.1	217.4	279.2	347.0
-77.5°	7.8	11.1	16.4	25.3	37.8	57.6	92.7	129.9	170.5	215.4	267.6
-80°	7.8	10.6	15.1	22.5	32.6	45.6	63.3	91.7	123.3	158.3	196.7
-82.5°	7.8	10.2	13.8	19.5	27.3	37.2	49.2	60.6	75.2	100.2	127.6
-85°	7.8	9.7	12.5	16.5	21.9	28.7	36.8	44.6	53.2	62.6	72.8
-87.5°	7.8	9.3	11.2	13.4	16.3	20.0	24.3	28.5	33.0	38.0	43.3
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8



REPORT NUMBER: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	14.2	14.7	15.1	15.6	16.1	16.6	17.1	17.6	18.6	19.6	20.5
87.5°	12.5	13.2	13.8	14.5	13.3	11.9	10.3	8.7	9.1	9.6	10.1
85°	17.3	18.5	20.2	21.5	20.5	19.7	19.1	18.7	19.7	20.6	21.2
82.5°	26.1	27.8	28.9	29.4	30.0	30.9	32.6	36.1	38.2	39.5	40.1
80°	35.9	37.3	38.4	41.1	45.7	51.2	57.5	64.5	66.4	66.0	64.7
77.5°	42.0	44.5	49.1	55.7	63.4	71.2	79.9	89.3	91.7	90.5	88.6
75°	45.5	51.0	58.6	68.1	78.1	88.6	99.7	110.0	112.5	109.2	105.2
72.5°	48.7	56.7	66.8	79.1	90.7	101.5	112.8	124.7	129.3	123.8	116.5
70°	51.4	61.5	73.9	87.1	100.3	111.8	122.9	135.7	143.9	133.6	117.7
67.5°	53.8	66.5	80.0	93.6	104.8	116.3	129.7	135.3	138.3	121.8	104.7
65°	57.5	71.0	83.1	94.5	106.3	111.9	116.4	120.6	118.9	100.2	82.1
62.5°	61.1	72.1	83.4	92.6	96.3	99.7	99.1	95.1	89.0	77.4	63.4
60°	62.4	71.8	80.0	83.9	85.3	82.2	77.5	73.9	68.7	58.8	49.5
57.5°	63.2	68.7	73.2	74.4	70.8	66.0	64.2	59.0	55.3	49.0	40.6
55°	62.7	63.5	65.7	63.1	60.2	58.4	55.6	53.9	48.6	42.7	36.5
52.5°	60.0	59.1	57.1	55.9	56.7	56.3	55.4	52.6	47.7	41.8	38.3
50°	57.7	54.2	51.0	55.4	59.4	62.6	57.7	54.6	54.3	51.6	45.9
47.5°	54.7	50.1	52.9	59.6	70.9	75.1	68.0	67.9	70.1	75.6	68.8
45°	52.0	53.7	58.1	74.8	88.6	94.9	96.0	88.4	107.1	113.3	111.5
42.5°	50.1	61.2	81.2	92.8	115.0	128.7	134.1	145.3	156.3	169.9	173.4
40°	57.3	70.9	115.9	135.8	149.6	172.9	201.2	219.6	223.0	243.6	252.9
37.5°	66.9	110.4	163.4	197.7	196.8	237.4	279.8	324.2	349.2	329.6	374.9
35°	77.7	156.9	231.9	281.9	294.6	319.8	394.5	479.4	561.5	513.5	536.9
32.5°	109.8	210.1	312.0	388.6	463.0	480.0	526.3	756.5	905.6	908.0	788.1
30°	162.4	285.0	407.5	512.1	684.3	763.3	837.1	1123.2	1373.7	1535.1	1569.3
27.5°	228.3	370.6	524.3	712.5	956.6	1099.2	1338.4	1645.5	2039.8	2335.0	2539.0
25°	302.4	503.0	652.0	966.1	1281.7	1543.5	1879.3	2302.0	2855.0	3328.1	3769.9
22.5°	397.6	656.7	854.5	1250.1	1641.9	2023.9	2490.3	3097.9	3801.6	4416.9	5042.8
20°	517.4	831.2	1118.6	1600.5	2051.4	2511.3	3109.6	3954.6	4845.3	5715.2	6527.4
17.5°	647.0	1015.1	1414.5	2000.8	2610.9	3130.9	3757.4	4844.3	5944.5	7139.2	8322.1
15°	783.6	1205.7	1707.7	2437.5	3211.6	3919.5	4748.2	5855.5	7163.7	8696.0	10222.3
12.5°	923.9	1399.7	1995.5	2899.7	3838.1	4722.6	5777.7	7041.2	8543.2	10360.4	12211.1
10°	1064.3	1593.9	2274.5	3375.3	4478.3	5529.6	6781.3	8185.9	9903.3	11945.2	14038.7
7.5°	1318.8	1849.1	2564.0	3851.1	5118.9	6328.5	7750.1	9281.8	11191.3	13461.3	15751.1
5°	1590.6	2163.4	2958.8	4350.2	5723.9	7029.6	8621.3	10318.7	12397.4	14889.1	17372.1
2.5°	1854.6	2465.8	3335.4	4816.3	6280.1	7564.3	9207.0	10992.0	13193.4	15886.1	18603.3
0°	2102.5	2754.0	3690.1	5238.8	6791.3	8047.3	9726.6	11591.2	13822.5	16599.8	19459.1
-2.5°	2326.4	3017.5	3988.6	5497.2	6949.1	8166.9	9858.0	11727.9	13934.9	16602.4	19245.7
-5°	2523.4	3263.0	4259.1	5713.0	7067.0	8246.2	9920.4	11783.1	13947.4	16483.0	18951.0
-7.5°	2691.1	3489.1	4499.8	5868.2	7129.8	8309.7	9933.7	11763.5	13873.7	16266.0	18603.0
-10°	2803.1	3582.3	4514.9	5827.9	7112.6	8335.2	9888.3	11669.3	13701.1	15958.0	18171.7
-12.5°	2730.7	3547.7	4461.2	5738.2	7053.3	8302.2	9782.5	11504.0	13432.9	15576.5	17662.2
-15°	2648.7	3490.5	4373.7	5597.4	6952.0	8206.6	9619.4	11271.7	12972.6	14951.9	17009.8
-17.5°	2561.4	3409.7	4251.3	5404.2	6809.2	8045.3	9317.4	10658.8	12219.4	14160.7	16193.6
-20°	2472.5	3304.3	4093.2	5157.9	6613.1	7635.1	8676.3	9923.4	11403.2	13210.4	15245.4



REPORT NUMBER: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2385.8	3173.9	3926.4	4941.3	6090.6	7055.0	7995.8	9118.0	10461.9	12097.2	13880.6
-25°	2320.5	3038.8	3764.9	4587.5	5541.5	6465.7	7265.6	8260.4	9483.0	10881.8	12292.7
-27.5°	2269.8	2918.8	3536.2	4238.3	5025.3	5871.6	6582.0	7436.1	8587.3	9707.6	10796.6
-30°	2215.8	2760.2	3304.7	3916.3	4611.9	5313.7	5930.1	6763.6	7787.9	8754.6	9621.4
-32.5°	2111.6	2592.6	3101.8	3653.1	4236.5	4814.6	5459.6	6249.4	7105.3	7936.7	8632.0
-35°	1988.2	2435.2	2906.5	3393.0	3886.0	4444.9	5087.3	5764.7	6489.1	7240.6	8033.0
-37.5°	1884.7	2271.4	2705.5	3152.1	3607.2	4127.8	4702.6	5324.6	5966.8	6638.9	7414.5
-40°	1773.4	2101.6	2514.5	2928.2	3347.1	3815.5	4343.8	4895.5	5471.0	6107.6	6778.9
-42.5°	1657.6	1970.1	2323.6	2699.9	3092.8	3512.5	3972.1	4485.0	5013.9	5573.1	6172.8
-45°	1557.8	1831.8	2135.3	2485.9	2835.4	3206.5	3621.8	4068.7	4565.2	5062.9	5584.9
-47.5°	1452.8	1694.3	1976.1	2268.4	2589.5	2918.5	3266.1	3687.2	4115.9	4572.2	5024.5
-50°	1348.1	1574.1	1810.7	2080.1	2355.4	2643.8	2948.7	3325.0	3718.5	4102.2	4498.6
-52.5°	1254.3	1449.0	1671.2	1899.9	2145.2	2395.4	2678.1	3005.6	3352.2	3693.8	4046.9
-55°	1157.1	1339.6	1535.0	1741.1	1951.7	2174.1	2434.4	2726.1	3011.1	3329.1	3645.0
-57.5°	1065.1	1233.5	1411.2	1593.0	1782.1	1974.4	2225.0	2467.5	2732.2	2996.1	3270.2
-60°	975.1	1131.0	1294.1	1458.9	1622.9	1815.6	2028.3	2254.1	2479.4	2703.9	2960.2
-62.5°	884.1	1033.2	1181.7	1331.2	1483.6	1662.3	1865.0	2064.0	2256.0	2469.7	2687.2
-65°	797.2	933.2	1073.5	1211.6	1346.8	1520.1	1702.8	1891.0	2077.7	2257.1	2441.8
-67.5°	706.9	830.9	960.2	1093.2	1223.3	1373.5	1536.7	1708.1	1882.3	2047.4	2216.7
-70°	612.2	724.0	840.6	961.2	1087.3	1221.3	1360.8	1510.8	1665.0	1810.9	1958.3
-72.5°	513.6	610.4	713.6	822.7	932.4	1047.3	1169.5	1298.5	1424.7	1546.9	1674.2
-75°	417.6	493.5	579.8	671.7	765.1	862.1	964.3	1069.4	1170.8	1270.1	1372.4
-77.5°	323.3	383.4	448.9	519.3	589.2	664.6	744.4	828.3	907.2	984.5	1062.9
-80°	233.2	271.0	318.8	370.9	423.6	477.4	532.5	588.8	639.2	692.2	749.2
-82.5°	153.6	180.7	209.2	238.9	268.8	299.7	333.2	373.0	406.2	439.2	472.3
-85°	81.1	89.6	106.7	124.8	142.3	160.5	179.3	198.7	216.0	232.5	248.1
-87.5°	47.7	52.2	56.8	61.5	65.4	69.2	73.1	76.8	82.1	87.5	92.8
-90°	7.8	7.8	7.8	7.8	7.3	6.9	6.4	5.9	5.9	5.9	5.9



REPORT NUMBER: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	21.5	22.5	23.5	24.4	25.4	25.9	26.4	26.8	27.3	27.8	28.3
87.5°	10.6	10.4	10.1	9.8	9.4	11.7	14.0	16.5	19.0	17.2	15.4
85°	21.7	21.6	21.5	21.2	20.9	24.1	27.4	30.7	34.0	31.1	28.0
82.5°	40.0	39.2	37.8	35.9	33.5	33.2	32.5	31.5	30.0	28.6	27.4
80°	62.8	59.9	56.2	51.6	46.4	43.6	40.9	37.9	34.6	33.6	32.9
77.5°	85.1	79.4	72.7	65.5	57.7	52.9	48.5	43.9	39.0	37.7	36.8
75°	100.5	93.4	83.5	73.0	62.1	54.8	49.2	43.8	38.5	36.6	35.5
72.5°	107.7	97.2	85.0	71.0	57.5	48.7	43.3	38.3	33.7	31.8	30.9
70°	102.2	87.3	73.4	60.2	47.6	39.3	35.3	32.0	29.1	27.7	27.0
67.5°	87.1	71.9	58.8	47.1	37.4	31.1	28.9	26.9	25.2	24.2	23.8
65°	67.5	55.8	45.6	37.3	30.7	26.4	24.7	23.1	21.5	20.5	20.1
62.5°	51.2	42.1	35.5	30.3	26.2	23.2	22.0	20.9	20.0	19.4	18.9
60°	41.0	33.3	29.2	26.4	24.0	21.8	21.5	21.3	21.0	20.7	19.9
57.5°	35.1	30.4	27.3	26.6	25.5	24.1	23.7	23.6	22.8	21.4	20.7
55°	33.5	32.3	31.0	31.6	31.6	30.4	28.7	27.5	26.3	25.2	25.3
52.5°	37.4	39.8	41.2	41.1	39.1	36.2	32.8	33.3	33.9	34.4	35.1
50°	49.8	52.9	52.9	48.6	48.3	46.6	42.6	44.5	47.0	47.6	47.9
47.5°	69.2	72.2	74.2	66.6	67.9	72.0	67.7	66.4	74.7	78.4	80.2
45°	100.8	113.2	116.7	119.0	115.7	126.4	126.5	121.6	137.6	146.3	149.3
42.5°	168.0	188.8	205.3	210.1	206.2	219.6	229.9	229.1	249.3	263.6	267.3
40°	281.1	300.8	324.4	333.1	337.0	349.3	375.1	391.8	412.0	434.4	445.8
37.5°	426.3	457.1	461.9	480.0	502.7	514.1	553.5	587.0	614.6	656.5	683.4
35°	639.0	720.3	632.7	674.2	731.8	738.4	774.2	851.7	871.1	944.5	985.1
32.5°	1031.3	1182.7	1162.8	1022.0	1145.8	1286.2	1129.7	1408.0	1383.1	1461.4	1560.9
30°	1627.6	2067.7	2116.6	1910.7	2254.3	2440.7	2410.7	2687.9	2865.6	2843.5	3188.4
27.5°	2903.6	3256.6	3416.9	3712.5	3898.1	4173.0	4656.9	4938.9	5446.0	5712.1	6031.3
25°	4284.7	4702.0	5217.1	5725.4	6111.6	6720.9	7400.1	7934.1	8651.9	9102.2	9430.4
22.5°	5777.6	6514.7	7231.7	7939.9	8719.5	9558.6	10359.9	11285.3	12158.9	12803.9	13291.6
20°	7414.2	8434.4	9448.6	10420.8	11393.3	12515.4	13507.6	14619.7	15692.8	16625.7	17268.2
17.5°	9437.5	10504.2	11799.3	13100.2	14360.1	15749.6	17215.1	18462.2	19967.0	21209.8	22144.5
15°	11641.1	12976.8	14390.4	16017.5	17719.0	19438.2	21215.8	23049.1	24762.2	26351.1	27541.4
12.5°	13916.5	15579.1	17301.6	19103.2	21076.1	23215.7	25449.4	27631.5	29749.6	31496.1	33129.1
10°	16102.2	18180.2	20178.9	22289.9	24561.8	26955.4	29571.2	32170.3	34632.1	36783.6	38540.8
7.5°	18017.4	20273.4	22579.2	25167.8	27864.5	30546.8	33380.8	36296.3	39098.3	41578.1	43632.5
5°	19817.8	22171.3	24507.3	27292.2	30267.8	33345.7	36554.3	39829.5	42854.5	45658.2	47933.3
2.5°	21221.5	23697.0	26099.0	29152.5	32292.4	35427.0	38698.8	42279.7	45654.1	48701.8	50934.2
0°	22078.5	24522.3	26843.3	30120.0	33349.8	36640.1	40248.4	44059.4	47613.1	50532.8	52707.5
-2.5°	21782.1	24166.4	26684.3	29903.0	33317.5	36608.4	40258.5	44104.6	47635.2	50602.1	52725.7
-5°	21375.1	23712.6	26261.0	29481.5	32814.0	36101.1	39699.8	43482.1	46949.5	49868.3	51879.6
-7.5°	20874.7	23130.9	25615.8	28739.2	32053.1	35344.1	38847.2	42425.9	45742.0	48643.4	50536.0
-10°	20283.1	22422.0	24880.3	27884.5	31173.1	34345.4	37674.1	41218.5	44546.5	47185.0	49216.4
-12.5°	19669.4	21753.2	24036.1	26878.4	30026.7	32976.1	36154.1	39567.3	42499.3	45197.7	46982.7
-15°	18966.6	20965.0	23105.6	25725.4	28578.9	31339.4	34100.0	37110.0	39785.4	42184.7	44081.4
-17.5°	18153.2	20046.6	21925.3	24281.0	27012.9	29478.6	31895.6	34516.7	36895.0	39097.9	40740.1
-20°	17029.7	18587.7	20393.0	22646.6	25013.2	27093.0	29298.3	31500.0	33617.4	35482.1	36872.7



REPORT NUMBER: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	15420.4	16936.5	18608.8	20452.0	22432.1	24342.4	26230.1	28031.5	29754.2	31306.0	32425.3
-25°	13707.4	15092.2	16601.8	18133.9	19714.9	21426.2	23082.0	24568.9	25985.5	27184.5	28106.4
-27.5°	12005.4	13314.9	14634.8	15871.2	17135.8	18565.3	20014.4	21259.3	22459.2	23398.3	24117.1
-30°	10485.1	11885.1	13047.3	13888.5	15114.1	16368.2	17307.6	18440.4	19385.6	19984.9	20757.3
-32.5°	9647.4	10703.3	11757.0	12622.0	13595.7	14696.1	15585.8	16511.1	17308.8	17953.0	18438.7
-35°	8883.2	9811.0	10701.3	11591.3	12460.7	13344.6	14164.6	14945.8	15653.3	16222.9	16673.0
-37.5°	8196.7	8999.8	9805.8	10573.4	11354.5	12093.2	12797.2	13471.0	14065.8	14579.2	15003.5
-40°	7503.6	8221.0	8929.8	9624.0	10307.0	10910.1	11515.4	12072.1	12574.1	13028.4	13399.3
-42.5°	6807.6	7447.8	8068.6	8698.3	9304.5	9827.8	10327.6	10787.8	11218.3	11605.5	11925.5
-45°	6123.4	6688.7	7235.8	7794.9	8305.9	8783.0	9218.6	9606.1	9976.0	10302.3	10571.3
-47.5°	5506.7	5967.1	6455.3	6932.6	7376.1	7805.8	8186.8	8527.9	8852.4	9128.7	9348.1
-50°	4933.6	5353.9	5765.5	6152.1	6566.6	6943.3	7265.7	7580.0	7875.1	8121.7	8306.9
-52.5°	4394.7	4782.5	5152.6	5513.3	5873.0	6208.2	6517.5	6804.8	7062.6	7288.6	7449.1
-55°	3968.1	4285.0	4584.8	4931.8	5262.0	5559.9	5836.9	6115.9	6364.5	6584.0	6718.0
-57.5°	3564.2	3850.2	4135.5	4435.6	4726.0	5005.9	5268.8	5513.3	5742.3	5947.8	6063.2
-60°	3203.8	3434.6	3706.0	3982.8	4246.0	4495.9	4742.7	4972.1	5184.9	5363.6	5465.6
-62.5°	2901.9	3121.2	3350.8	3581.9	3809.8	4042.2	4266.3	4479.3	4681.3	4844.1	4943.3
-65°	2635.6	2834.2	3034.9	3239.7	3447.3	3651.9	3842.7	4029.8	4212.4	4352.0	4441.3
-67.5°	2385.0	2555.8	2724.5	2898.8	3077.6	3254.2	3422.4	3588.3	3750.8	3863.4	3933.4
-70°	2110.3	2261.2	2406.4	2553.1	2699.1	2842.7	2981.7	3120.4	3257.4	3347.8	3407.7
-72.5°	1805.9	1931.9	2049.8	2167.0	2286.3	2404.3	2518.6	2629.8	2737.1	2807.2	2858.9
-75°	1477.2	1573.3	1664.8	1757.2	1849.8	1945.6	2040.1	2130.6	2216.8	2269.3	2309.5
-77.5°	1142.5	1210.5	1275.1	1340.1	1405.1	1479.3	1554.5	1627.5	1697.7	1734.9	1762.5
-80°	806.8	854.5	898.6	940.7	980.7	1028.1	1075.8	1122.0	1166.3	1187.6	1203.2
-82.5°	505.5	533.4	559.6	584.4	607.8	633.2	657.3	679.7	700.4	710.6	718.2
-85°	263.0	275.1	286.3	296.7	306.2	317.9	329.0	339.3	348.8	351.8	353.9
-87.5°	98.1	101.8	105.3	108.7	111.9	116.3	120.7	124.9	129.0	130.1	131.0
-90°	5.9	5.9	5.9	5.9	5.9	5.4	4.9	4.4	3.9	3.9	3.9



REPORT NUMBER: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	28.8	29.3	29.3	29.3	29.3	29.3	28.8	28.3	27.8	27.3	26.8
87.5°	13.6	11.7	10.7	9.8	10.7	11.7	13.6	15.4	17.2	19.0	16.5
85°	24.7	21.5	20.5	19.5	20.5	21.5	24.7	28.0	31.1	34.0	30.7
82.5°	26.4	25.4	25.4	25.4	25.4	25.4	26.4	27.4	28.6	30.0	31.5
80°	32.0	31.1	31.2	31.2	31.2	31.1	32.0	32.9	33.6	34.6	37.9
77.5°	36.0	35.1	35.1	35.1	35.1	35.1	36.0	36.8	37.7	39.0	43.9
75°	34.4	33.3	33.2	33.2	33.2	33.3	34.4	35.5	36.6	38.5	43.8
72.5°	30.1	29.5	29.3	29.3	29.3	29.5	30.1	30.9	31.8	33.7	38.3
70°	26.2	25.6	25.4	25.4	25.4	25.6	26.2	27.0	27.7	29.1	32.0
67.5°	23.6	23.5	23.4	23.4	23.4	23.5	23.6	23.8	24.2	25.2	26.9
65°	19.9	19.7	19.5	19.5	19.5	19.7	19.9	20.1	20.5	21.5	23.1
62.5°	18.4	17.8	16.8	15.6	16.8	17.8	18.4	18.9	19.4	20.0	20.9
60°	18.9	17.9	17.6	17.6	17.6	17.9	18.9	19.9	20.7	21.0	21.3
57.5°	20.1	19.6	19.5	19.5	19.5	19.6	20.1	20.7	21.4	22.8	23.6
55°	25.4	25.2	25.3	25.4	25.3	25.2	25.4	25.3	25.2	26.3	27.5
52.5°	35.2	34.9	34.9	35.1	34.9	34.9	35.2	35.1	34.4	33.9	33.3
50°	48.4	48.4	47.9	46.8	47.9	48.4	48.4	47.9	47.6	47.0	44.5
47.5°	81.3	80.1	78.7	78.0	78.7	80.1	81.3	80.2	78.4	74.7	66.4
45°	152.8	151.6	149.4	148.2	149.4	151.6	152.8	149.3	146.3	137.6	121.6
42.5°	273.6	271.4	266.3	263.3	266.3	271.4	273.6	267.3	263.6	249.3	229.1
40°	458.6	461.0	457.0	454.4	457.0	461.0	458.6	445.8	434.4	412.0	391.8
37.5°	704.8	715.1	713.8	709.9	713.8	715.1	704.8	683.4	656.5	614.6	587.0
35°	1003.7	1015.2	1009.4	1008.4	1009.4	1015.2	1003.7	985.1	944.5	871.1	851.7
32.5°	1486.1	1469.4	1406.5	1423.8	1406.5	1469.4	1486.1	1560.9	1461.4	1383.1	1408.0
30°	3211.6	3273.4	3097.3	2956.8	3097.3	3273.4	3211.6	3188.4	2843.5	2865.6	2687.9
27.5°	6062.9	6196.0	6171.1	6315.4	6171.1	6196.0	6062.9	6031.3	5712.1	5446.0	4938.9
25°	9559.2	9647.5	9653.2	9393.1	9653.2	9647.5	9559.2	9430.4	9102.2	8651.9	7934.1
22.5°	13472.2	13557.4	13712.9	13713.2	13712.9	13557.4	13472.2	13291.6	12803.9	12158.9	11285.3
20°	17714.9	17730.5	18027.4	18049.0	18027.4	17730.5	17714.9	17268.2	16625.7	15692.8	14619.7
17.5°	22802.6	23050.0	23451.5	23217.5	23451.5	23050.0	22802.6	22144.5	21209.8	19967.0	18462.2
15°	28667.6	29220.4	29649.7	29456.8	29649.7	29220.4	28667.6	27541.4	26351.1	24762.2	23049.1
12.5°	34427.5	35298.9	35713.7	35612.3	35713.7	35298.9	34427.5	33129.1	31496.1	29749.6	27631.5
10°	39910.0	41136.5	41577.1	41732.6	41577.1	41136.5	39910.0	38540.8	36783.6	34632.1	32170.3
7.5°	45166.0	46289.9	46957.9	46678.9	46957.9	46289.9	45166.0	43632.5	41578.1	39098.3	36296.3
5°	49384.4	50333.6	50873.2	50681.0	50873.2	50333.6	49384.4	47933.3	45658.2	42854.5	39829.5
2.5°	52371.8	53258.2	53726.0	53490.6	53726.0	53258.2	52371.8	50934.2	48701.8	45654.1	42279.7
0°	54078.6	54981.7	55511.2	55549.2	55511.2	54981.7	54078.6	52707.5	50532.8	47613.1	44059.4
-2.5°	54012.0	54649.9	55022.0	54832.5	55022.0	54649.9	54012.0	52725.7	50602.1	47635.2	44104.6
-5°	52881.2	53419.9	53613.2	53530.6	53613.2	53419.9	52881.2	51879.6	49868.3	46949.5	43482.1
-7.5°	51486.3	51883.4	52016.3	51917.6	52016.3	51883.4	51486.3	50536.0	48643.4	45742.0	42425.9
-10°	50136.7	50533.6	50600.9	50544.5	50600.9	50533.6	50136.7	49216.4	47185.0	44546.5	41218.5
-12.5°	48171.7	48601.9	48615.9	48484.9	48615.9	48601.9	48171.7	46982.7	45197.7	42499.3	39567.3
-15°	45107.1	45458.9	45515.6	45442.3	45515.6	45458.9	45107.1	44081.4	42184.7	39785.4	37110.0
-17.5°	41700.7	41933.7	42186.1	42467.9	42186.1	41933.7	41700.7	40740.1	39097.9	36895.0	34516.7
-20°	37610.9	37889.5	38187.4	38502.8	38187.4	37889.5	37610.9	36872.7	35482.1	33617.4	31500.0



REPORT NUMBER: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	33014.4	33327.5	33633.0	33792.6	33633.0	33327.5	33014.4	32425.3	31306.0	29754.2	28031.5
-25°	28568.1	28949.4	29190.6	29335.9	29190.6	28949.4	28568.1	28106.4	27184.5	25985.5	24568.9
-27.5°	24492.0	24944.0	25166.6	25261.5	25166.6	24944.0	24492.0	24117.1	23398.3	22459.2	21259.3
-30°	21058.9	21336.5	21375.0	21518.7	21375.0	21336.5	21058.9	20757.3	19984.9	19385.6	18440.4
-32.5°	18795.6	19104.0	19291.4	19449.3	19291.4	19104.0	18795.6	18438.7	17953.0	17308.8	16511.1
-35°	17022.3	17301.7	17485.5	17561.4	17485.5	17301.7	17022.3	16673.0	16222.9	15653.3	14945.8
-37.5°	15322.8	15533.8	15662.3	15765.0	15662.3	15533.8	15322.8	15003.5	14579.2	14065.8	13471.0
-40°	13684.0	13893.3	14020.5	14054.6	14020.5	13893.3	13684.0	13399.3	13028.4	12574.1	12072.1
-42.5°	12154.6	12315.7	12426.4	12502.0	12426.4	12315.7	12154.6	11925.5	11605.5	11218.3	10787.8
-45°	10769.5	10911.6	11010.1	11070.4	11010.1	10911.6	10769.5	10571.3	10302.3	9976.0	9606.1
-47.5°	9509.8	9624.1	9702.5	9748.1	9702.5	9624.1	9509.8	9348.1	9128.7	8852.4	8527.9
-50°	8445.0	8547.1	8619.6	8663.7	8619.6	8547.1	8445.0	8306.9	8121.7	7875.1	7580.0
-52.5°	7574.4	7673.7	7746.6	7793.8	7746.6	7673.7	7574.4	7449.1	7288.6	7062.6	6804.8
-55°	6829.3	6920.5	6986.5	7029.2	6986.5	6920.5	6829.3	6718.0	6584.0	6364.5	6115.9
-57.5°	6161.2	6241.8	6297.7	6332.9	6297.7	6241.8	6161.2	6063.2	5947.8	5742.3	5513.3
-60°	5552.7	5625.3	5676.8	5712.7	5676.8	5625.3	5552.7	5465.6	5363.6	5184.9	4972.1
-62.5°	5031.0	5107.3	5148.2	5170.5	5148.2	5107.3	5031.0	4943.3	4844.1	4681.3	4479.3
-65°	4523.4	4597.0	4636.7	4659.5	4636.7	4597.0	4523.4	4441.3	4352.0	4212.4	4029.8
-67.5°	3995.2	4048.2	4088.6	4119.2	4088.6	4048.2	3995.2	3933.4	3863.4	3750.8	3588.3
-70°	3459.2	3502.0	3503.4	3491.2	3503.4	3502.0	3459.2	3407.7	3347.8	3257.4	3120.4
-72.5°	2903.8	2941.4	2951.2	2950.9	2951.2	2941.4	2903.8	2858.9	2807.2	2737.1	2629.8
-75°	2344.2	2373.1	2392.4	2404.8	2392.4	2373.1	2344.2	2309.5	2269.3	2216.8	2130.6
-77.5°	1785.1	1802.5	1818.6	1829.5	1818.6	1802.5	1785.1	1762.5	1734.9	1697.7	1627.5
-80°	1215.0	1223.1	1224.9	1222.9	1224.9	1223.1	1215.0	1203.2	1187.6	1166.3	1122.0
-82.5°	723.7	727.1	723.5	717.7	723.5	727.1	723.7	718.2	710.6	700.4	679.7
-85°	355.0	355.2	354.5	353.0	354.5	355.2	355.0	353.9	351.8	348.8	339.3
-87.5°	131.7	132.2	134.4	136.5	134.4	132.2	131.7	131.0	130.1	129.0	124.9
-90°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.4



REPORT NUMBER: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	26.4	25.9	25.4	24.4	23.5	22.5	21.5	20.5	19.6	18.6	17.6
87.5°	14.0	11.7	9.4	9.8	10.1	10.4	10.6	10.1	9.6	9.1	8.7
85°	27.4	24.1	20.9	21.2	21.5	21.6	21.7	21.2	20.6	19.7	18.7
82.5°	32.5	33.2	33.5	35.9	37.8	39.2	40.0	40.1	39.5	38.2	36.1
80°	40.9	43.6	46.4	51.6	56.2	59.9	62.8	64.7	66.0	66.4	64.5
77.5°	48.5	52.9	57.7	65.5	72.7	79.4	85.1	88.6	90.5	91.7	89.3
75°	49.2	54.8	62.1	73.0	83.5	93.4	100.5	105.2	109.2	112.5	110.0
72.5°	43.3	48.7	57.5	71.0	85.0	97.2	107.7	116.5	123.8	129.3	124.7
70°	35.3	39.3	47.6	60.2	73.4	87.3	102.2	117.7	133.6	143.9	135.7
67.5°	28.9	31.1	37.4	47.1	58.8	71.9	87.1	104.7	121.8	138.3	135.3
65°	24.7	26.4	30.7	37.3	45.6	55.8	67.5	82.1	100.2	118.9	120.6
62.5°	22.0	23.2	26.2	30.3	35.5	42.1	51.2	63.4	77.4	89.0	95.1
60°	21.5	21.8	24.0	26.4	29.2	33.3	41.0	49.5	58.8	68.7	73.9
57.5°	23.7	24.1	25.5	26.6	27.3	30.4	35.1	40.6	49.0	55.3	59.0
55°	28.7	30.4	31.6	31.6	31.0	32.3	33.5	36.5	42.7	48.6	53.9
52.5°	32.8	36.2	39.1	41.1	41.2	39.8	37.4	38.3	41.8	47.7	52.6
50°	42.6	46.6	48.3	48.6	52.9	52.9	49.8	45.9	51.6	54.3	54.6
47.5°	67.7	72.0	67.9	66.6	74.2	72.2	69.2	68.8	75.6	70.1	67.9
45°	126.5	126.4	115.7	119.0	116.7	113.2	100.8	111.5	113.3	107.1	88.4
42.5°	229.9	219.6	206.2	210.1	205.3	188.8	168.0	173.4	169.9	156.3	145.3
40°	375.1	349.3	337.0	333.1	324.4	300.8	281.1	252.9	243.6	223.0	219.6
37.5°	553.5	514.1	502.7	480.0	461.9	457.1	426.3	374.9	329.6	349.2	324.2
35°	774.2	738.4	731.8	674.2	632.7	720.3	639.0	536.9	513.5	561.5	479.4
32.5°	1129.7	1286.2	1145.8	1022.0	1162.8	1182.7	1031.3	788.1	908.0	905.6	756.5
30°	2410.7	2440.7	2254.3	1910.7	2116.6	2067.7	1627.6	1569.3	1535.1	1373.7	1123.2
27.5°	4656.9	4173.0	3898.1	3712.5	3416.9	3256.6	2903.6	2539.0	2335.0	2039.8	1645.5
25°	7400.1	6720.9	6111.6	5725.4	5217.1	4702.0	4284.7	3769.9	3328.1	2855.0	2302.0
22.5°	10359.9	9558.6	8719.5	7939.9	7231.7	6514.7	5777.6	5042.8	4416.9	3801.6	3097.9
20°	13507.6	12515.4	11393.3	10420.8	9448.6	8434.4	7414.2	6527.4	5715.2	4845.3	3954.6
17.5°	17215.1	15749.6	14360.1	13100.2	11799.3	10504.2	9437.5	8322.1	7139.2	5944.5	4844.3
15°	21215.8	19438.2	17719.0	16017.5	14390.4	12976.8	11641.1	10222.3	8696.0	7163.7	5855.5
12.5°	25449.4	23215.7	21076.1	19103.2	17301.6	15579.1	13916.5	12211.1	10360.4	8543.2	7041.2
10°	29571.2	26955.4	24561.8	22289.9	20178.9	18180.2	16102.2	14038.7	11945.2	9903.3	8185.9
7.5°	33380.8	30546.8	27864.5	25167.8	22579.2	20273.4	18017.4	15751.1	13461.3	11191.3	9281.8
5°	36554.3	33345.7	30267.8	27292.2	24507.3	22171.3	19817.8	17372.1	14889.1	12397.4	10318.7
2.5°	38698.8	35427.0	32292.4	29152.5	26099.0	23697.0	21221.5	18603.3	15886.1	13193.4	10992.0
0°	40248.4	36640.1	33349.8	30120.0	26843.3	24522.3	22078.5	19459.1	16599.8	13822.5	11591.2
-2.5°	40258.5	36608.4	33317.5	29903.0	26684.3	24166.4	21782.1	19245.7	16602.4	13934.9	11727.9
-5°	39699.8	36101.1	32814.0	29481.5	26261.0	23712.6	21375.1	18951.0	16483.0	13947.4	11783.1
-7.5°	38847.2	35344.1	32053.1	28739.2	25615.8	23130.9	20874.7	18603.0	16266.0	13873.7	11763.5
-10°	37674.1	34345.4	31173.1	27884.5	24880.3	22422.0	20283.1	18171.7	15958.0	13701.1	11669.3
-12.5°	36154.1	32976.1	30026.7	26878.4	24036.1	21753.2	19669.4	17662.2	15576.5	13432.9	11504.0
-15°	34100.0	31339.4	28578.9	25725.4	23105.6	20965.0	18966.6	17009.8	14951.9	12972.6	11271.7
-17.5°	31895.6	29478.6	27012.9	24281.0	21925.3	20046.6	18153.2	16193.6	14160.7	12219.4	10658.8
-20°	29298.3	27093.0	25013.2	22646.6	20393.0	18587.7	17029.7	15245.4	13210.4	11403.2	9923.4



REPORT NUMBER: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	26230.1	24342.4	22432.1	20452.0	18608.8	16936.5	15420.4	13880.6	12097.2	10461.9	9118.0
-25°	23082.0	21426.2	19714.9	18133.9	16601.8	15092.2	13707.4	12292.7	10881.8	9483.0	8260.4
-27.5°	20014.4	18565.3	17135.8	15871.2	14634.8	13314.9	12005.4	10796.6	9707.6	8587.3	7436.1
-30°	17307.6	16368.2	15114.1	13888.5	13047.3	11885.1	10485.1	9621.4	8754.6	7787.9	6763.6
-32.5°	15585.8	14696.1	13595.7	12622.0	11757.0	10703.3	9647.4	8632.0	7936.7	7105.3	6249.4
-35°	14164.6	13344.6	12460.7	11591.3	10701.3	9811.0	8883.2	8033.0	7240.6	6489.1	5764.7
-37.5°	12797.2	12093.2	11354.5	10573.4	9805.8	8999.8	8196.7	7414.5	6638.9	5966.8	5324.6
-40°	11515.4	10910.1	10307.0	9624.0	8929.8	8221.0	7503.6	6778.9	6107.6	5471.0	4895.5
-42.5°	10327.6	9827.8	9304.5	8698.3	8068.6	7447.8	6807.6	6172.8	5573.1	5013.9	4485.0
-45°	9218.6	8783.0	8305.9	7794.9	7235.8	6688.7	6123.4	5584.9	5062.9	4565.2	4068.7
-47.5°	8186.8	7805.8	7376.1	6932.6	6455.3	5967.1	5506.7	5024.5	4572.2	4115.9	3687.2
-50°	7265.7	6943.3	6566.6	6152.1	5765.5	5353.9	4933.6	4498.6	4102.2	3718.5	3325.0
-52.5°	6517.5	6208.2	5873.0	5513.3	5152.6	4782.5	4394.7	4046.9	3693.8	3352.2	3005.6
-55°	5836.9	5559.9	5262.0	4931.8	4584.8	4285.0	3968.1	3645.0	3329.1	3011.1	2726.1
-57.5°	5268.8	5005.9	4726.0	4435.6	4135.5	3850.2	3564.2	3270.2	2996.1	2732.2	2467.5
-60°	4742.7	4495.9	4246.0	3982.8	3706.0	3434.6	3203.8	2960.2	2703.9	2479.4	2254.1
-62.5°	4266.3	4042.2	3809.8	3581.9	3350.8	3121.2	2901.9	2687.2	2469.7	2256.0	2064.0
-65°	3842.7	3651.9	3447.3	3239.7	3034.9	2834.2	2635.6	2441.8	2257.1	2077.7	1891.0
-67.5°	3422.4	3254.2	3077.6	2898.8	2724.5	2555.8	2385.0	2216.7	2047.4	1882.3	1708.1
-70°	2981.7	2842.7	2699.1	2553.1	2406.4	2261.2	2110.3	1958.3	1810.9	1665.0	1510.8
-72.5°	2518.6	2404.3	2286.3	2167.0	2049.8	1931.9	1805.9	1674.2	1546.9	1424.7	1298.5
-75°	2040.1	1945.6	1849.8	1757.2	1664.8	1573.3	1477.2	1372.4	1270.1	1170.8	1069.4
-77.5°	1554.5	1479.3	1405.1	1340.1	1275.1	1210.5	1142.5	1062.9	984.5	907.2	828.3
-80°	1075.8	1028.1	980.7	940.7	898.6	854.5	806.8	749.2	692.2	639.2	588.8
-82.5°	657.3	633.2	607.8	584.4	559.6	533.4	505.5	472.3	439.2	406.2	373.0
-85°	329.0	317.9	306.2	296.7	286.3	275.1	263.0	248.1	232.5	216.0	198.7
-87.5°	120.7	116.3	111.9	108.7	105.3	101.8	98.1	92.8	87.5	82.1	76.8
-90°	4.9	5.4	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9



REPORT NUMBER: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	17.1	16.6	16.1	15.6	15.1	14.7	14.2	13.7	13.2	12.7	12.2
87.5°	10.3	11.9	13.3	14.5	13.8	13.2	12.5	11.9	11.9	11.8	11.6
85°	19.1	19.7	20.5	21.5	20.2	18.5	17.3	16.1	16.1	15.8	15.5
82.5°	32.6	30.9	30.0	29.4	28.9	27.8	26.1	23.8	21.2	19.9	19.3
80°	57.5	51.2	45.7	41.1	38.4	37.3	35.9	33.2	27.8	24.0	22.0
77.5°	79.9	71.2	63.4	55.7	49.1	44.5	42.0	40.5	34.1	27.9	23.8
75°	99.7	88.6	78.1	68.1	58.6	51.0	45.5	41.7	36.4	31.2	25.5
72.5°	112.8	101.5	90.7	79.1	66.8	56.7	48.7	42.8	37.4	32.1	26.7
70°	122.9	111.8	100.3	87.1	73.9	61.5	51.4	44.4	38.4	32.9	27.5
67.5°	129.7	116.3	104.8	93.6	80.0	66.5	53.8	46.1	39.9	33.7	28.1
65°	116.4	111.9	106.3	94.5	83.1	71.0	57.5	48.3	41.3	34.9	28.7
62.5°	99.1	99.7	96.3	92.6	83.4	72.1	61.1	51.9	43.0	36.1	29.5
60°	77.5	82.2	85.3	83.9	80.0	71.8	62.4	55.2	45.9	37.2	30.5
57.5°	64.2	66.0	70.8	74.4	73.2	68.7	63.2	56.8	48.5	39.2	31.5
55°	55.6	58.4	60.2	63.1	65.7	63.5	62.7	57.8	50.7	41.3	32.8
52.5°	55.4	56.3	56.7	55.9	57.1	59.1	60.0	58.8	51.7	43.1	35.0
50°	57.7	62.6	59.4	55.4	51.0	54.2	57.7	57.1	52.7	44.6	37.3
47.5°	68.0	75.1	70.9	59.6	52.9	50.1	54.7	55.4	53.7	45.6	39.6
45°	96.0	94.9	88.6	74.8	58.1	53.7	52.0	54.0	52.6	48.0	41.9
42.5°	134.1	128.7	115.0	92.8	81.2	61.2	50.1	52.4	51.5	50.8	44.4
40°	201.2	172.9	149.6	135.8	115.9	70.9	57.3	51.3	51.0	53.5	47.0
37.5°	279.8	237.4	196.8	197.7	163.4	110.4	66.9	50.7	54.0	55.9	49.9
35°	394.5	319.8	294.6	281.9	231.9	156.9	77.7	54.5	58.3	58.9	53.0
32.5°	526.3	480.0	463.0	388.6	312.0	210.1	109.8	70.0	63.9	62.6	56.2
30°	837.1	763.3	684.3	512.1	407.5	285.0	162.4	85.9	70.6	66.9	59.5
27.5°	1338.4	1099.2	956.6	712.5	524.3	370.6	228.3	102.0	78.4	72.0	62.9
25°	1879.3	1543.5	1281.7	966.1	652.0	503.0	302.4	120.2	90.4	78.3	66.5
22.5°	2490.3	2023.9	1641.9	1250.1	854.5	656.7	397.6	178.2	104.2	85.1	70.4
20°	3109.6	2511.3	2051.4	1600.5	1118.6	831.2	517.4	239.6	117.8	92.3	74.5
17.5°	3757.4	3130.9	2610.9	2000.8	1414.5	1015.1	647.0	303.3	131.3	100.0	78.8
15°	4748.2	3919.5	3211.6	2437.5	1707.7	1205.7	783.6	368.0	144.5	107.9	87.4
12.5°	5777.7	4722.6	3838.1	2899.7	1995.5	1399.7	923.9	432.4	157.3	124.3	101.7
10°	6781.3	5529.6	4478.3	3375.3	2274.5	1593.9	1064.3	517.2	196.0	147.7	116.3
7.5°	7750.1	6328.5	5118.9	3851.1	2564.0	1849.1	1318.8	649.0	239.7	171.6	130.9
5°	8621.3	7029.6	5723.9	4350.2	2958.8	2163.4	1590.6	780.2	284.0	195.4	145.5
2.5°	9207.0	7564.3	6280.1	4816.3	3335.4	2465.8	1854.6	906.6	328.0	219.0	159.8
0°	9726.6	8047.3	6791.3	5238.8	3690.1	2754.0	2102.5	1024.0	370.6	241.8	173.6
-2.5°	9858.0	8166.9	6949.1	5497.2	3988.6	3017.5	2326.4	1205.2	508.8	327.3	227.9
-5°	9920.4	8246.2	7067.0	5713.0	4259.1	3263.0	2523.4	1370.7	642.0	410.4	280.8
-7.5°	9933.7	8309.7	7129.8	5868.2	4499.8	3489.1	2691.1	1518.3	767.7	489.9	331.5
-10°	9888.3	8335.2	7112.6	5827.9	4514.9	3582.3	2803.1	1645.7	883.5	564.4	379.2
-12.5°	9782.5	8302.2	7053.3	5738.2	4461.2	3547.7	2730.7	1694.0	983.0	632.8	423.4
-15°	9619.4	8206.6	6952.0	5597.4	4373.7	3490.5	2648.7	1701.5	1043.8	692.8	463.2
-17.5°	9317.4	8045.3	6809.2	5404.2	4251.3	3409.7	2561.4	1698.8	1095.9	744.4	501.1
-20°	8676.3	7635.1	6613.1	5157.9	4093.2	3304.3	2472.5	1687.0	1138.7	789.1	536.6



REPORT NUMBER: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	7995.8	7055.0	6090.6	4941.3	3926.4	3173.9	2385.8	1667.4	1171.9	826.4	566.8
-25°	7265.6	6465.7	5541.5	4587.5	3764.9	3038.8	2320.5	1640.9	1195.3	855.6	591.5
-27.5°	6582.0	5871.6	5025.3	4238.3	3536.2	2918.8	2269.8	1657.6	1214.5	876.5	610.3
-30°	5930.1	5313.7	4611.9	3916.3	3304.7	2760.2	2215.8	1664.3	1234.9	894.0	623.0
-32.5°	5459.6	4814.6	4236.5	3653.1	3101.8	2592.6	2111.6	1658.4	1243.8	906.2	632.8
-35°	5087.3	4444.9	3886.0	3393.0	2906.5	2435.2	1988.2	1640.1	1241.2	909.9	637.6
-37.5°	4702.6	4127.8	3607.2	3152.1	2705.5	2271.4	1884.7	1560.0	1226.9	904.9	636.2
-40°	4343.8	3815.5	3347.1	2928.2	2514.5	2101.6	1773.4	1479.8	1209.6	891.1	628.4
-42.5°	3972.1	3512.5	3092.8	2699.9	2323.6	1970.1	1657.6	1394.4	1151.4	873.3	614.3
-45°	3621.8	3206.5	2835.4	2485.9	2135.3	1831.8	1557.8	1306.4	1084.4	849.6	596.9
-47.5°	3266.1	2918.5	2589.5	2268.4	1976.1	1694.3	1452.8	1228.0	1014.2	817.0	577.5
-50°	2948.7	2643.8	2355.4	2080.1	1810.7	1574.1	1348.1	1146.0	949.9	759.8	552.4
-52.5°	2678.1	2395.4	2145.2	1899.9	1671.2	1449.0	1254.3	1061.8	882.8	706.2	521.6
-55°	2434.4	2174.1	1951.7	1741.1	1535.0	1339.6	1157.1	984.6	813.1	652.5	486.4
-57.5°	2225.0	1974.4	1782.1	1593.0	1411.2	1233.5	1065.1	904.8	747.6	596.3	454.2
-60°	2028.3	1815.6	1622.9	1458.9	1294.1	1131.0	975.1	825.1	681.4	539.5	413.9
-62.5°	1865.0	1662.3	1483.6	1331.2	1181.7	1033.2	884.1	748.5	612.7	486.6	369.4
-65°	1702.8	1520.1	1346.8	1211.6	1073.5	933.2	797.2	669.2	546.2	431.0	325.8
-67.5°	1536.7	1373.5	1223.3	1093.2	960.2	830.9	706.9	589.3	478.0	372.8	287.4
-70°	1360.8	1221.3	1087.3	961.2	840.6	724.0	612.2	507.0	406.9	322.9	247.2
-72.5°	1169.5	1047.3	932.4	822.7	713.6	610.4	513.6	424.0	344.1	271.1	205.2
-75°	964.3	862.1	765.1	671.7	579.8	493.5	417.6	347.0	279.2	217.4	167.1
-77.5°	744.4	664.6	589.2	519.3	448.9	383.4	323.3	267.6	215.4	170.5	129.9
-80°	532.5	477.4	423.6	370.9	318.8	271.0	233.2	196.7	158.3	123.3	91.7
-82.5°	333.2	299.7	268.8	238.9	209.2	180.7	153.6	127.6	100.2	75.2	60.6
-85°	179.3	160.5	142.3	124.8	106.7	89.6	81.1	72.8	62.6	53.2	44.6
-87.5°	73.1	69.2	65.4	61.5	56.8	52.2	47.7	43.3	38.0	33.0	28.5
-90°	6.4	6.9	7.3	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8



REPORT NUMBER: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	11.7	11.2	10.8	10.3	9.8	8.8	7.8
87.5°	11.3	10.4	9.7	9.0	8.5	8.1	7.8
85°	14.9	13.1	11.5	10.2	9.2	8.4	7.8
82.5°	18.4	15.7	13.4	11.4	9.8	8.7	7.8
80°	21.4	18.2	15.2	12.6	10.5	9.0	7.8
77.5°	21.8	19.9	16.9	13.7	11.2	9.3	7.8
75°	22.1	20.0	18.3	14.9	11.8	9.6	7.8
72.5°	22.4	20.1	18.2	16.0	12.4	9.8	7.8
70°	22.7	20.1	18.1	16.8	13.1	10.1	7.8
67.5°	23.5	20.0	18.0	16.6	13.7	10.4	7.8
65°	24.2	20.3	17.8	16.3	14.2	10.7	7.8
62.5°	25.0	21.0	17.5	16.1	14.8	10.9	7.8
60°	25.7	21.7	17.3	15.8	15.3	11.2	7.8
57.5°	26.9	22.3	17.8	15.5	15.2	11.4	7.8
55°	28.1	22.9	18.3	15.2	15.1	11.6	7.8
52.5°	29.4	23.6	18.8	14.9	15.1	11.8	7.8
50°	30.6	24.7	19.3	14.6	15.0	12.1	7.8
47.5°	32.0	25.8	19.7	14.4	15.0	12.3	7.8
45°	34.0	26.9	20.2	14.7	15.0	12.4	7.8
42.5°	36.0	27.9	20.6	15.0	15.0	12.6	7.8
40°	37.9	28.9	21.2	15.6	15.0	12.8	7.8
37.5°	39.8	30.0	21.9	16.4	15.1	12.9	7.8
35°	41.6	31.3	22.7	17.2	15.2	13.1	7.8
32.5°	43.6	32.7	23.4	18.1	15.3	13.2	7.8
30°	46.1	34.0	24.0	19.0	15.4	13.3	7.8
27.5°	48.7	35.3	25.9	19.9	15.5	13.4	7.8
25°	51.2	36.5	28.1	20.8	15.7	13.5	7.8
22.5°	53.8	38.7	30.4	21.7	15.8	13.6	7.8
20°	56.3	43.6	32.7	22.7	16.0	13.6	7.8
17.5°	62.8	48.7	35.0	23.6	16.2	13.7	7.8
15°	72.0	54.0	37.4	24.5	16.4	13.7	7.8
12.5°	81.3	59.4	39.8	25.4	16.6	13.8	7.8
10°	90.7	64.9	42.1	26.3	16.8	13.8	7.8
7.5°	100.1	70.4	44.4	27.1	17.0	13.8	7.8
5°	109.3	75.7	46.6	27.9	17.2	13.8	7.8
2.5°	118.2	80.9	48.7	28.6	17.4	13.7	7.8
0°	126.8	85.8	50.7	29.3	17.6	13.7	7.8
-2.5°	159.7	104.2	60.6	33.6	18.9	13.9	7.8
-5°	191.6	122.0	70.2	37.8	20.1	14.2	7.8
-7.5°	222.2	139.1	79.4	41.9	21.3	14.4	7.8
-10°	251.0	155.2	88.0	45.7	22.5	14.6	7.8
-12.5°	277.6	170.2	96.1	49.2	23.6	14.8	7.8
-15°	301.5	183.7	103.5	52.5	24.6	15.0	7.8
-17.5°	322.5	195.8	110.0	55.4	25.5	15.1	7.8
-20°	343.0	206.1	115.7	57.9	26.4	15.2	7.8



REPORT NUMBER: P701648 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-7F-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	364.9	214.5	120.3	59.9	27.2	15.3	7.8
-25°	382.9	225.5	123.9	61.5	27.8	15.4	7.8
-27.5°	397.0	236.1	126.4	62.7	28.4	15.5	7.8
-30°	407.0	244.0	128.0	63.2	28.8	15.5	7.8
-32.5°	412.6	249.2	132.0	63.3	29.1	15.5	7.8
-35°	417.0	251.5	134.3	62.7	29.3	15.5	7.8
-37.5°	418.6	252.1	135.1	61.6	29.4	15.4	7.8
-40°	415.9	252.2	134.3	59.9	29.3	15.4	7.8
-42.5°	408.9	249.7	133.1	58.3	29.1	15.2	7.8
-45°	397.5	244.6	131.8	57.2	28.7	15.1	7.8
-47.5°	381.8	236.8	129.1	55.4	28.2	14.9	7.8
-50°	367.3	226.5	125.0	54.8	27.6	14.7	7.8
-52.5°	349.9	213.7	119.6	54.3	26.8	14.5	7.8
-55°	329.0	202.7	112.9	53.1	26.0	14.3	7.8
-57.5°	304.6	190.6	104.9	51.2	24.9	14.0	7.8
-60°	277.9	176.6	95.9	48.7	23.8	13.7	7.8
-62.5°	255.4	160.8	89.5	45.7	23.0	13.4	7.8
-65°	230.5	143.3	82.1	42.2	22.0	13.1	7.8
-67.5°	203.3	126.7	73.7	38.1	21.0	12.7	7.8
-70°	174.0	111.1	64.5	33.6	19.9	12.3	7.8
-72.5°	147.9	94.3	54.5	30.7	18.8	11.9	7.8
-75°	121.0	76.4	43.8	28.1	17.6	11.5	7.8
-77.5°	92.7	57.6	37.8	25.3	16.4	11.1	7.8
-80°	63.3	45.6	32.6	22.5	15.1	10.6	7.8
-82.5°	49.2	37.2	27.3	19.5	13.8	10.2	7.8
-85°	36.8	28.7	21.9	16.5	12.5	9.7	7.8
-87.5°	24.3	20.0	16.3	13.4	11.2	9.3	7.8
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8

(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

