

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: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-70-7F-CV2-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701576 (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-08-0640L-57-70-7F-CV2-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

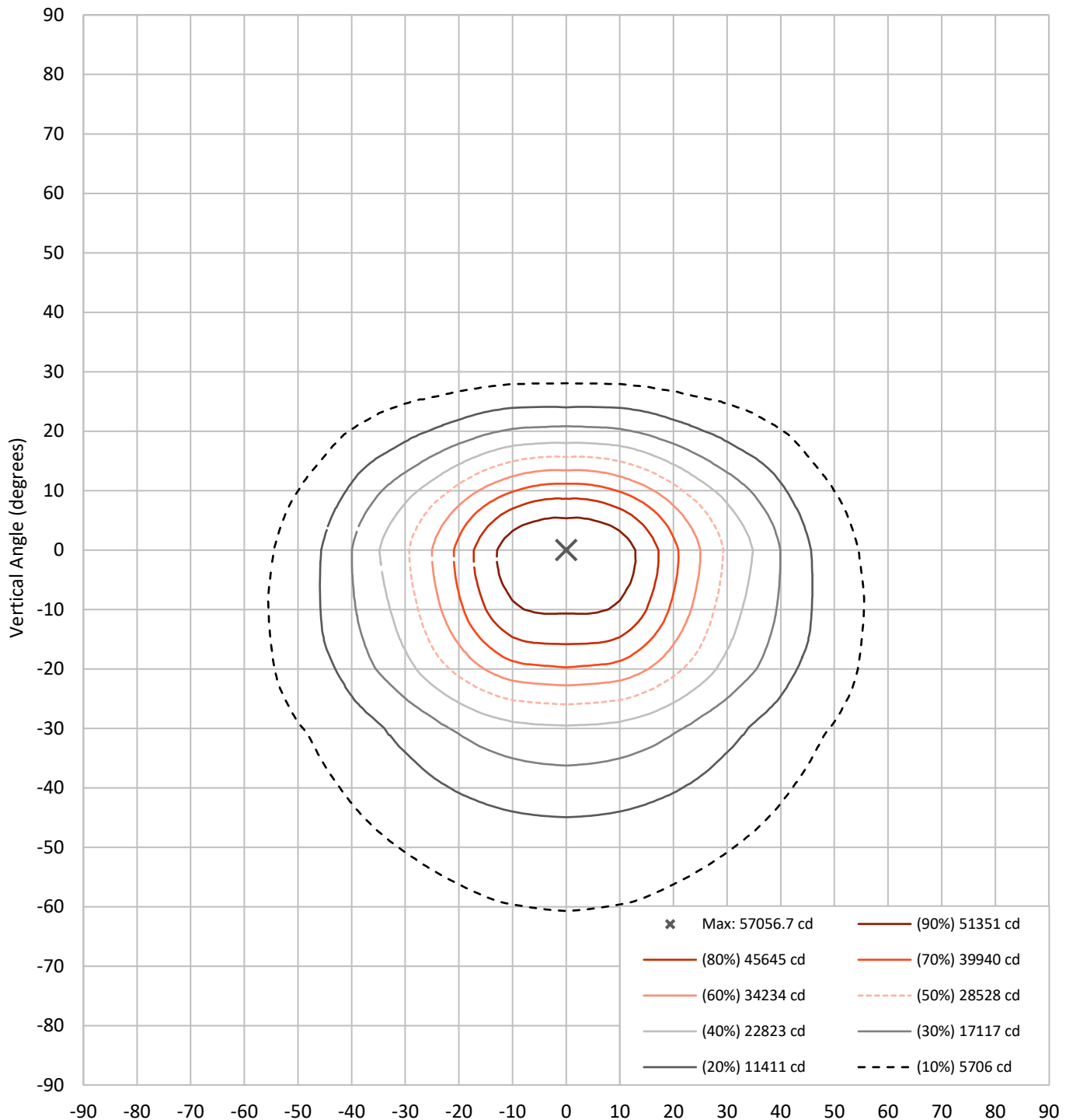
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	49917.9 lumens	Max Intensity:	57056.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	75.9 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:	24199.7 lumens	Field Lumens:	45337.2 lumens
Beam Efficiency:	48.5%	Field Efficiency:	90.8%

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

REPORT NUMBER: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV2-S

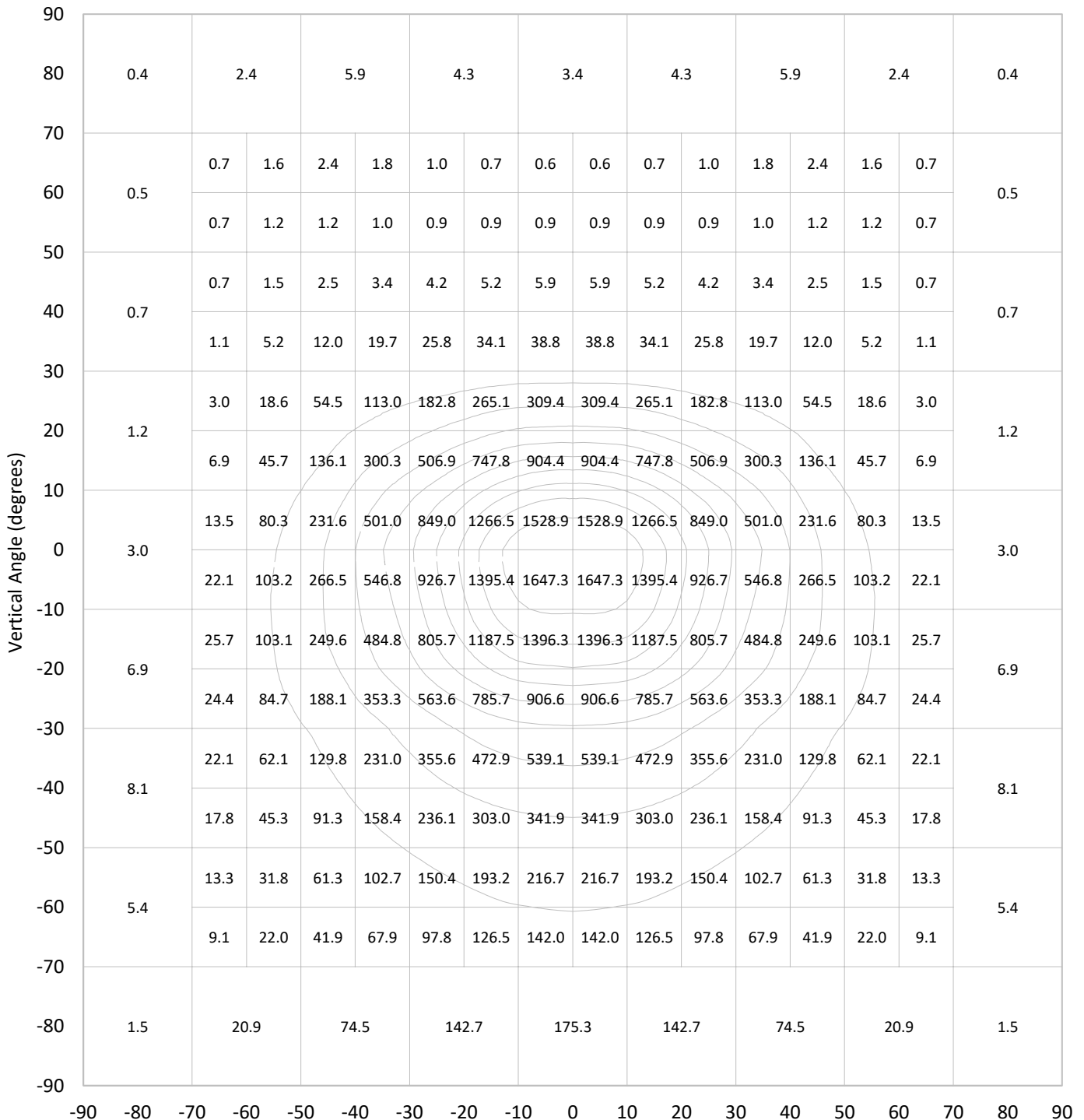
### Iso-Candela Plot





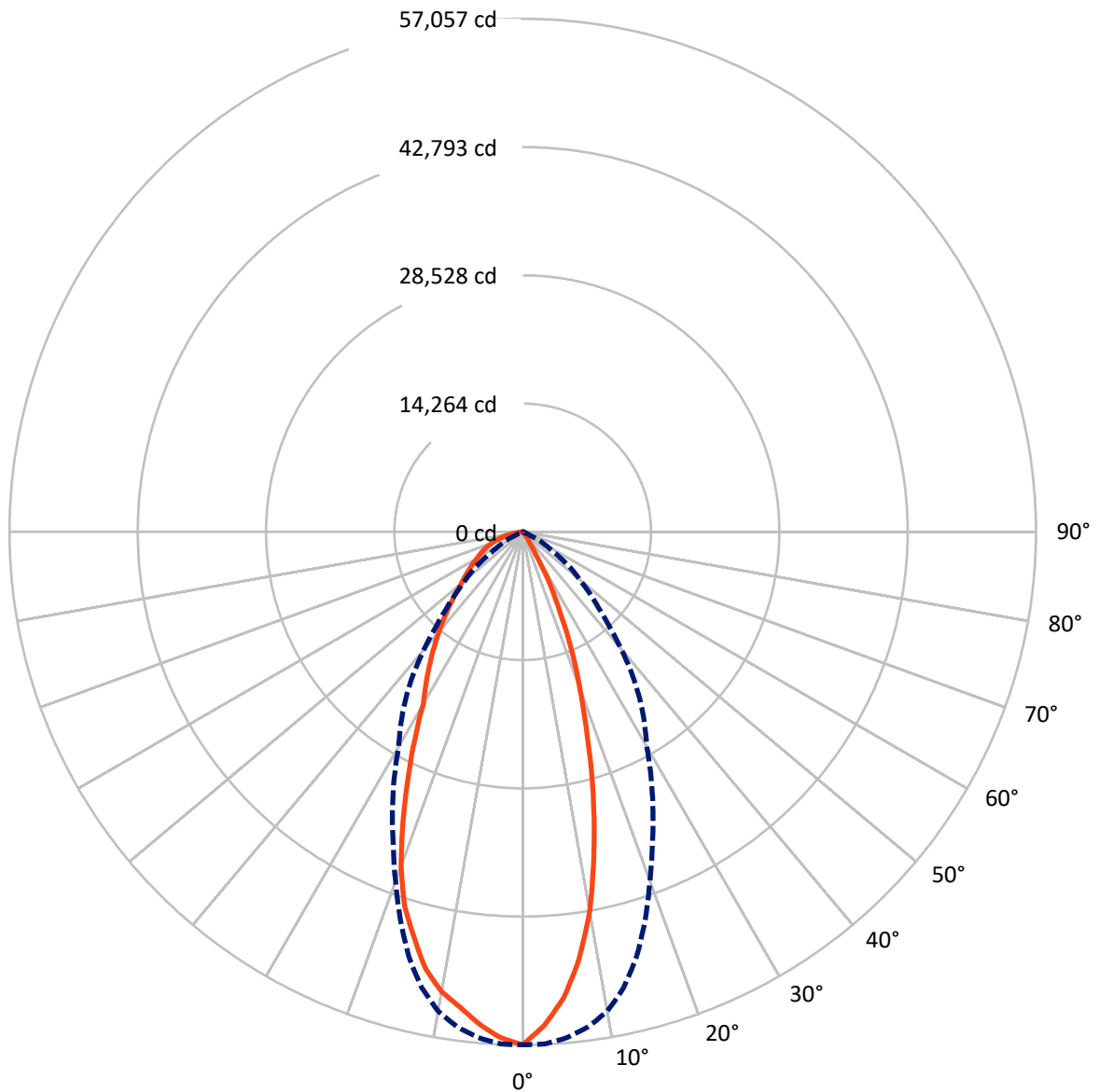
REPORT NUMBER: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV2-S

### Lumen Table



REPORT NUMBER: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV2-S

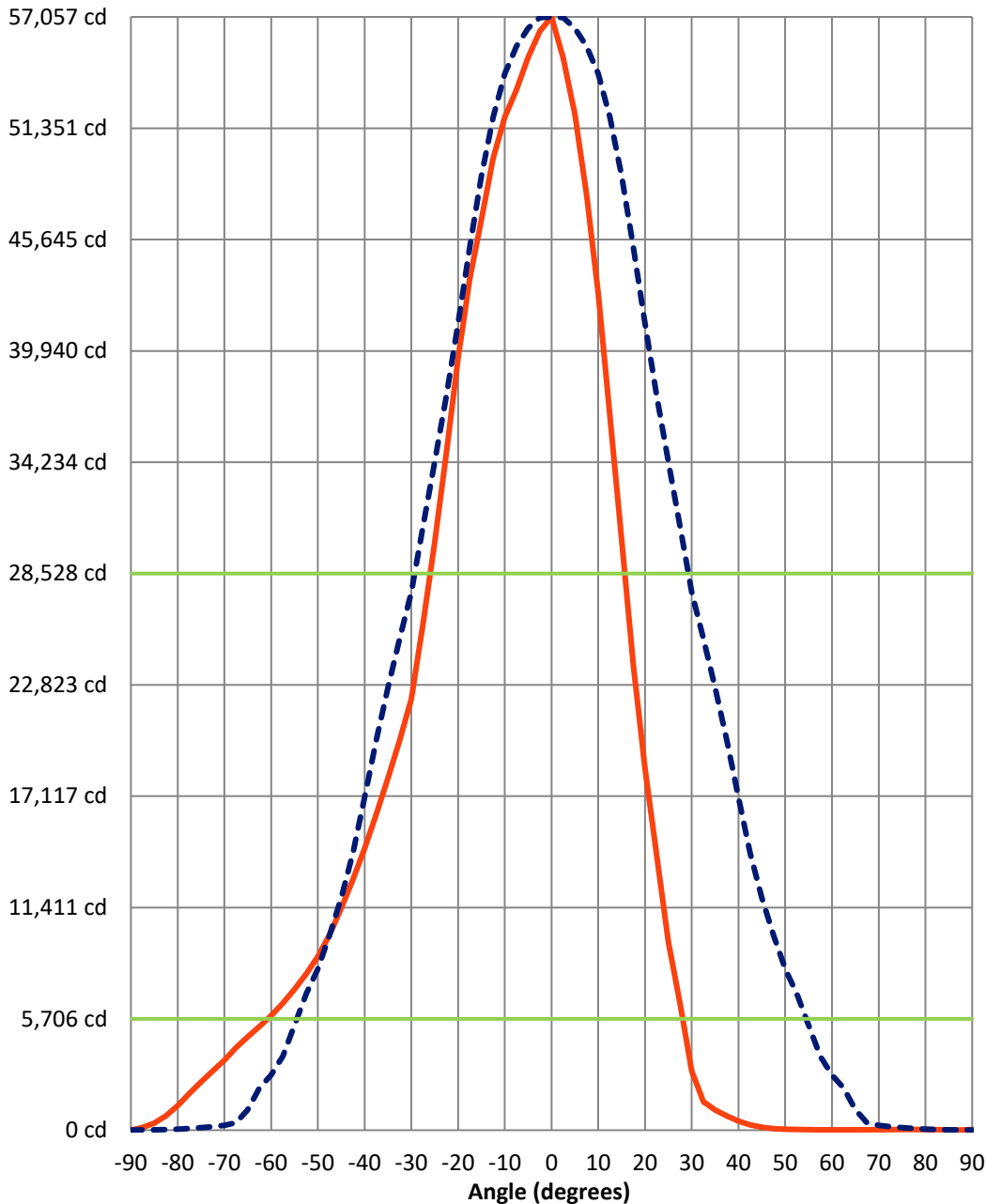
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV2-S

### Luminous Intensity Plot



**Beam:**  
 H Angle: 58.6°  
 V Angle: 41.6°  
 Lumens: 24199.7  
 Efficiency: 48.5%

**Field:**  
 H Angle: 109°  
 V Angle: 88.8°  
 Lumens: 45337.2  
 Efficiency: 90.8%

**Spill:**  
 Lumens: 4580.7  
 Efficiency: 9.2%

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



REPORT NUMBER: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV2-S

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8.0	9.0	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
87.5°	8.0	8.3	8.7	9.2	9.9	10.7	11.6	11.9	12.1	12.2	12.2
85°	8.0	8.6	9.4	10.5	11.8	13.4	15.2	15.8	16.2	16.4	16.5
82.5°	8.0	8.9	10.1	11.7	13.7	16.1	18.8	19.7	20.4	21.7	24.3
80°	8.0	9.2	10.8	12.9	15.5	18.7	21.9	22.5	24.6	28.5	34.1
77.5°	8.0	9.5	11.4	14.1	17.4	20.4	22.3	24.4	28.6	35.0	41.6
75°	8.0	9.8	12.1	15.2	18.8	20.5	22.7	26.2	32.0	37.4	42.8
72.5°	8.0	10.1	12.8	16.4	18.7	20.5	23.0	27.4	32.9	38.4	43.9
70°	8.0	10.4	13.4	17.2	18.6	20.6	23.3	28.2	33.8	39.4	45.6
67.5°	8.0	10.6	14.0	17.0	18.4	20.5	24.1	28.8	34.5	41.0	47.4
65°	8.0	10.9	14.6	16.7	18.2	20.8	24.8	29.4	35.9	42.5	49.7
62.5°	8.0	11.2	15.2	16.5	18.0	21.5	25.6	30.3	37.1	44.2	53.3
60°	8.0	11.4	15.7	16.2	17.7	22.2	26.3	31.3	38.2	47.1	56.7
57.5°	8.0	11.7	15.6	15.9	18.2	22.9	27.6	32.3	40.3	49.9	58.4
55°	8.0	11.9	15.5	15.6	18.8	23.5	28.9	33.7	42.4	52.1	59.4
52.5°	8.0	12.1	15.4	15.2	19.3	24.2	30.2	36.0	44.3	53.1	60.4
50°	8.0	12.3	15.4	14.9	19.8	25.3	31.4	38.4	45.9	54.2	58.7
47.5°	8.0	12.6	15.3	14.7	20.2	26.5	32.9	40.7	46.9	55.2	56.9
45°	8.0	12.7	15.3	15.0	20.7	27.5	34.9	43.1	49.4	54.0	55.4
42.5°	8.0	12.9	15.3	15.3	21.1	28.6	36.9	45.6	52.2	52.9	53.8
40°	8.0	13.1	15.4	16.0	21.7	29.7	38.9	48.3	55.0	52.4	52.7
37.5°	8.0	13.2	15.4	16.8	22.5	30.7	40.9	51.3	57.4	55.5	52.1
35°	8.0	13.4	15.5	17.6	23.2	32.0	42.8	54.4	60.5	59.9	55.9
32.5°	8.0	13.5	15.6	18.5	24.0	33.5	44.9	57.7	64.3	65.6	71.9
30°	8.0	13.6	15.7	19.4	24.6	34.9	47.4	61.1	68.7	72.5	88.2
27.5°	8.0	13.7	15.9	20.4	26.6	36.2	50.0	64.5	74.0	80.5	104.8
25°	8.0	13.8	16.0	21.3	28.8	37.5	52.6	68.3	80.3	92.8	123.4
22.5°	8.0	13.9	16.2	22.3	31.1	39.7	55.2	72.3	87.3	107.0	183.0
20°	8.0	14.0	16.4	23.2	33.5	44.7	57.8	76.5	94.8	121.0	246.1
17.5°	8.0	14.0	16.6	24.2	35.9	50.0	64.5	80.8	102.6	134.9	311.6
15°	8.0	14.0	16.8	25.1	38.4	55.5	73.9	89.7	110.8	148.4	378.0
12.5°	8.0	14.1	17.0	26.0	40.8	61.0	83.5	104.4	127.6	161.6	444.1
10°	8.0	14.1	17.2	26.9	43.3	66.7	93.1	119.4	151.7	201.3	531.2
7.5°	8.0	14.1	17.4	27.8	45.6	72.3	102.7	134.5	176.2	246.2	666.6
5°	8.0	14.1	17.6	28.6	47.9	77.8	112.2	149.4	200.8	291.7	801.4
2.5°	8.0	14.0	17.8	29.3	50.1	83.1	121.4	164.1	224.9	336.8	931.2
0°	8.0	14.0	18.0	30.0	52.1	88.1	130.2	178.3	248.4	380.6	1051.7
-2.5°	8.0	14.3	19.3	34.4	62.2	107.0	164.0	234.1	336.2	522.5	1237.8
-5°	8.0	14.5	20.6	38.8	72.1	125.3	196.8	288.4	421.6	659.4	1407.9
-7.5°	8.0	14.7	21.8	42.9	81.5	142.8	228.2	340.4	503.2	788.6	1559.5
-10°	8.0	14.9	23.0	46.9	90.5	159.4	257.7	389.5	579.7	907.5	1690.4
-12.5°	8.0	15.1	24.2	50.5	98.8	174.7	285.0	434.9	649.9	1009.7	1740.0
-15°	8.0	15.3	25.2	53.9	106.3	188.7	309.6	475.8	711.6	1072.1	1747.7
-17.5°	8.0	15.5	26.2	56.8	113.1	201.0	331.2	514.7	764.6	1125.6	1744.9
-20°	8.0	15.6	27.1	59.4	118.9	211.6	352.3	551.1	810.5	1169.6	1732.8



REPORT NUMBER: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.0	15.7	27.9	61.5	123.6	220.3	374.7	582.1	848.7	1203.7	1712.6
-25°	8.0	15.8	28.6	63.2	127.3	231.6	393.3	607.5	878.8	1227.7	1685.5
-27.5°	8.0	15.8	29.1	64.3	129.8	242.5	407.8	626.9	900.3	1247.5	1702.6
-30°	8.0	15.9	29.6	64.9	131.5	250.6	418.0	639.9	918.2	1268.3	1709.4
-32.5°	8.0	15.9	29.9	65.0	135.6	255.9	423.7	650.0	930.8	1277.6	1703.4
-35°	8.0	15.8	30.1	64.4	138.0	258.4	428.3	654.9	934.6	1274.9	1684.5
-37.5°	8.0	15.8	30.1	63.3	138.8	259.0	430.0	653.4	929.5	1260.2	1602.3
-40°	8.0	15.7	30.0	61.6	137.9	259.1	427.2	645.4	915.3	1242.4	1519.9
-42.5°	8.0	15.6	29.8	59.9	136.7	256.5	420.0	631.0	897.1	1182.6	1432.3
-45°	8.0	15.4	29.4	58.8	135.4	251.3	408.3	613.0	872.7	1113.8	1341.9
-47.5°	8.0	15.3	28.9	56.9	132.6	243.3	392.2	593.2	839.2	1041.7	1261.3
-50°	8.0	15.1	28.3	56.4	128.4	232.7	377.2	567.4	780.4	975.7	1177.1
-52.5°	8.0	14.9	27.5	55.8	122.9	219.5	359.4	535.8	725.3	906.7	1090.6
-55°	8.0	14.6	26.6	54.5	116.0	208.3	337.9	499.6	670.2	835.1	1011.3
-57.5°	8.0	14.3	25.5	52.6	107.8	195.8	312.9	466.5	612.5	767.9	929.3
-60°	8.0	14.0	24.4	50.0	98.5	181.5	285.5	425.1	554.2	699.9	847.5
-62.5°	8.0	13.7	23.5	46.9	91.9	165.2	262.4	379.5	499.9	629.4	768.8
-65°	8.0	13.4	22.5	43.2	84.3	147.2	236.8	334.7	442.7	561.1	687.4
-67.5°	8.0	13.0	21.5	39.1	75.7	130.1	208.8	295.3	383.0	491.0	605.4
-70°	8.0	12.6	20.4	34.4	66.2	114.1	178.7	253.9	331.7	418.0	520.8
-72.5°	8.0	12.2	19.2	31.4	55.9	96.8	151.9	210.7	278.4	353.5	435.5
-75°	8.0	11.8	18.0	28.8	45.0	78.5	124.3	171.6	223.3	286.8	356.4
-77.5°	8.0	11.3	16.8	26.0	38.7	59.1	95.2	133.4	175.1	221.2	274.8
-80°	8.0	10.9	15.5	23.0	33.5	46.7	65.0	94.1	126.6	162.6	202.0
-82.5°	8.0	10.4	14.1	20.0	28.0	38.2	50.4	62.2	77.2	102.8	131.0
-85°	8.0	10.0	12.8	16.9	22.4	29.4	37.8	45.8	54.6	64.3	74.7
-87.5°	8.0	9.5	11.4	13.7	16.7	20.5	24.9	29.2	33.9	39.0	44.4
-90°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0





REPORT NUMBER: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	19.0	20.0	21.0
87.5°	12.8	13.5	14.2	14.9	13.6	12.2	10.6	8.8	9.3	9.8	10.4
85°	17.7	19.0	20.7	22.1	21.1	20.2	19.6	19.2	20.3	21.1	21.8
82.5°	26.8	28.6	29.7	30.2	30.8	31.8	33.6	37.1	39.3	40.6	41.2
80°	36.9	38.3	39.4	42.2	46.9	52.6	59.0	66.2	68.1	67.7	66.4
77.5°	43.1	45.6	50.4	57.2	65.1	73.1	82.0	91.7	94.1	93.0	91.0
75°	46.8	52.4	60.2	69.9	80.2	90.9	102.4	112.9	115.5	112.1	108.0
72.5°	50.0	58.2	68.6	81.2	93.1	104.2	115.9	128.1	132.8	127.1	119.7
70°	52.8	63.2	75.9	89.4	103.0	114.8	126.2	139.4	147.8	137.3	120.9
67.5°	55.3	68.3	82.2	96.2	107.7	119.5	133.3	138.9	142.0	125.1	107.6
65°	59.1	73.0	85.4	97.1	109.2	115.0	119.6	123.8	122.1	102.9	84.3
62.5°	62.8	74.1	85.7	95.1	98.9	102.4	101.8	97.7	91.5	79.6	65.1
60°	64.1	73.8	82.2	86.2	87.6	84.4	79.6	75.9	70.6	60.3	50.8
57.5°	64.9	70.5	75.2	76.4	72.7	67.8	65.9	60.6	56.7	50.3	41.7
55°	64.4	65.2	67.5	64.8	61.9	60.0	57.1	55.4	49.9	43.9	37.5
52.5°	61.6	60.7	58.6	57.4	58.2	57.8	56.8	54.0	49.0	42.9	39.3
50°	59.2	55.7	52.4	56.9	61.0	64.3	59.2	56.0	55.8	53.0	47.2
47.5°	56.1	51.5	54.3	61.2	72.8	77.1	69.8	69.7	72.0	77.7	70.7
45°	53.4	55.1	59.7	76.8	91.0	97.5	98.6	90.9	110.1	116.4	114.5
42.5°	51.4	62.8	83.3	95.4	118.2	132.2	137.8	149.3	160.6	174.6	178.1
40°	58.9	72.8	119.1	139.5	153.7	177.6	206.7	225.6	229.1	250.2	259.8
37.5°	68.7	113.4	167.9	203.1	202.2	243.9	287.4	333.0	358.7	338.5	385.1
35°	79.8	161.2	238.2	289.6	302.6	328.4	405.1	492.4	576.7	527.4	551.5
32.5°	112.8	215.8	320.5	399.2	475.6	493.0	540.5	777.0	930.1	932.6	809.5
30°	166.8	292.7	418.6	526.0	702.8	784.0	859.8	1153.6	1411.0	1576.7	1611.9
27.5°	234.5	380.7	538.6	731.9	982.5	1129.0	1374.7	1690.2	2095.1	2398.4	2607.9
25°	310.5	516.6	669.7	992.3	1316.4	1585.4	1930.3	2364.5	2932.4	3418.4	3872.2
22.5°	408.3	674.5	877.7	1284.0	1686.4	2078.8	2557.8	3182.0	3904.7	4536.7	5179.7
20°	531.4	853.7	1149.0	1643.9	2107.0	2579.4	3194.0	4061.9	4976.8	5870.3	6704.6
17.5°	664.6	1042.7	1452.8	2055.1	2681.7	3215.8	3859.4	4975.8	6105.9	7332.9	8548.0
15°	804.8	1238.4	1754.1	2503.7	3298.7	4025.8	4877.0	6014.4	7358.2	8932.1	10499.7
12.5°	948.9	1437.7	2049.6	2978.4	3942.3	4850.8	5934.5	7232.3	8775.0	10641.6	12542.4
10°	1093.1	1637.1	2336.3	3466.9	4599.8	5679.6	6965.3	8408.0	10172.0	12269.4	14419.6
7.5°	1354.5	1899.2	2633.6	3955.6	5257.8	6500.2	7960.4	9533.7	11495.1	13826.6	16178.5
5°	1633.7	2222.0	3039.1	4468.2	5879.2	7220.3	8855.3	10598.7	12733.8	15293.1	17843.4
2.5°	1904.9	2532.6	3426.0	4946.9	6450.5	7769.6	9456.9	11290.2	13551.5	16317.2	19108.1
0°	2159.6	2828.7	3790.3	5380.9	6975.6	8265.7	9990.6	11905.8	14197.6	17050.3	19987.2
-2.5°	2389.6	3099.3	4096.9	5646.4	7137.7	8388.5	10125.6	12046.2	14313.0	17053.0	19768.0
-5°	2591.9	3351.5	4374.8	5868.0	7258.8	8469.9	10189.7	12102.8	14325.8	16930.3	19465.3
-7.5°	2764.1	3583.7	4622.0	6027.5	7323.3	8535.2	10203.3	12082.7	14250.2	16707.4	19107.9
-10°	2879.1	3679.5	4637.5	5986.1	7305.6	8561.4	10156.6	11986.0	14072.9	16391.1	18664.8
-12.5°	2804.8	3644.0	4582.3	5893.9	7244.7	8527.5	10047.9	11816.2	13797.4	15999.2	18141.5
-15°	2720.6	3585.3	4492.5	5749.3	7140.6	8429.3	9880.4	11577.5	13324.7	15357.7	17471.4
-17.5°	2630.9	3502.2	4366.7	5550.9	6993.9	8263.5	9570.2	10948.0	12551.1	14545.0	16633.0
-20°	2539.6	3394.0	4204.3	5297.9	6792.5	7842.3	8911.7	10192.7	11712.6	13568.9	15659.1



REPORT NUMBER: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2450.6	3260.0	4033.0	5075.5	6255.8	7246.4	8212.8	9365.4	10745.8	12425.6	14257.3
-25°	2383.4	3121.2	3867.0	4712.0	5691.8	6641.2	7462.8	8484.6	9740.3	11177.1	12626.3
-27.5°	2331.4	2998.0	3632.2	4353.3	5161.6	6030.9	6760.6	7637.9	8820.4	9971.1	11089.6
-30°	2275.9	2835.1	3394.4	4022.6	4737.1	5457.9	6091.0	6947.2	7999.3	8992.2	9882.5
-32.5°	2168.9	2662.9	3186.0	3752.3	4351.4	4945.2	5607.8	6419.0	7298.2	8152.1	8866.3
-35°	2042.2	2501.3	2985.4	3485.1	3991.4	4565.4	5225.4	5921.1	6665.2	7437.2	8251.0
-37.5°	1935.9	2333.0	2778.9	3237.7	3705.1	4239.8	4830.2	5469.0	6128.7	6819.0	7615.8
-40°	1821.5	2158.6	2582.7	3007.7	3437.9	3919.1	4461.6	5028.3	5619.5	6273.3	6962.9
-42.5°	1702.5	2023.5	2386.7	2773.2	3176.8	3607.8	4079.8	4606.7	5150.0	5724.3	6340.3
-45°	1600.0	1881.4	2193.3	2553.3	2912.3	3293.6	3720.1	4179.1	4689.1	5200.3	5736.4
-47.5°	1492.2	1740.2	2029.7	2330.0	2659.8	2997.7	3354.7	3787.2	4227.5	4696.3	5160.8
-50°	1384.7	1616.8	1859.8	2136.5	2419.3	2715.5	3028.7	3415.2	3819.4	4213.5	4620.7
-52.5°	1288.3	1488.3	1716.5	1951.4	2203.4	2460.4	2750.7	3087.2	3443.1	3794.1	4156.7
-55°	1188.5	1375.9	1576.7	1788.3	2004.6	2233.1	2500.4	2800.0	3092.8	3419.4	3744.0
-57.5°	1094.0	1266.9	1449.5	1636.2	1830.5	2028.0	2285.3	2534.4	2806.3	3077.4	3358.9
-60°	1001.6	1161.7	1329.2	1498.5	1667.0	1865.0	2083.4	2315.2	2546.7	2777.2	3040.5
-62.5°	908.0	1061.2	1213.8	1367.4	1523.9	1707.5	1915.6	2120.0	2317.2	2536.7	2760.1
-65°	818.8	958.4	1102.6	1244.5	1383.4	1561.4	1749.0	1942.3	2134.1	2318.3	2508.1
-67.5°	726.1	853.4	986.3	1122.8	1256.4	1410.8	1578.4	1754.4	1933.3	2102.9	2276.8
-70°	628.9	743.7	863.4	987.3	1116.8	1254.4	1397.7	1551.8	1710.3	1860.1	2011.4
-72.5°	527.5	627.0	733.0	845.1	957.7	1075.7	1201.3	1333.7	1463.3	1588.8	1719.6
-75°	428.9	506.9	595.6	690.0	785.9	885.6	990.4	1098.4	1202.6	1304.6	1409.7
-77.5°	332.1	393.8	461.0	533.4	605.3	682.7	764.6	850.8	931.8	1011.2	1091.8
-80°	239.5	278.3	327.4	381.0	435.1	490.3	547.0	604.8	656.6	711.0	769.6
-82.5°	157.7	185.6	214.8	245.4	276.1	307.8	342.3	383.1	417.3	451.1	485.1
-85°	83.2	92.0	109.6	128.2	146.2	164.9	184.2	204.2	221.9	238.8	254.9
-87.5°	48.9	53.5	58.3	63.1	67.1	71.1	75.0	78.9	84.4	89.8	95.3
-90°	8.0	8.0	8.0	8.0	7.5	7.0	6.5	6.0	6.0	6.0	6.0



REPORT NUMBER: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	22.0	23.0	24.0	25.0	26.0	26.5	27.0	27.5	28.0	28.5	29.0
87.5°	10.9	10.6	10.3	10.0	9.6	11.9	14.4	16.9	19.4	17.7	15.8
85°	22.2	22.2	22.0	21.7	21.4	24.7	28.1	31.6	34.9	31.9	28.7
82.5°	41.0	40.2	38.8	36.9	34.4	34.1	33.4	32.2	30.7	29.3	28.1
80°	64.5	61.6	57.7	53.0	47.7	44.8	42.1	39.0	35.6	34.6	33.8
77.5°	87.4	81.5	74.7	67.3	59.3	54.3	49.9	45.1	40.1	38.7	37.9
75°	103.3	95.9	85.8	75.0	63.7	56.2	50.6	45.0	39.5	37.6	36.4
72.5°	110.6	99.8	87.3	72.9	59.1	50.0	44.5	39.4	34.6	32.7	31.7
70°	105.0	89.6	75.4	61.8	48.9	40.3	36.3	32.8	29.9	28.5	27.6
67.5°	89.5	73.9	60.4	48.4	38.4	31.9	29.7	27.6	25.8	24.8	24.5
65°	69.3	57.3	46.9	38.3	31.5	27.1	25.3	23.6	22.0	21.0	20.6
62.5°	52.6	43.3	36.5	31.1	26.9	23.8	22.5	21.4	20.5	19.9	19.4
60°	42.1	34.3	30.0	27.1	24.6	22.3	22.0	21.8	21.5	21.2	20.3
57.5°	36.0	31.2	28.0	27.3	26.2	24.7	24.3	24.2	23.3	21.9	21.2
55°	34.4	33.2	31.9	32.5	32.4	31.2	29.4	28.1	27.0	25.8	26.0
52.5°	38.4	41.0	42.3	42.2	40.1	37.1	33.7	34.2	34.8	35.4	36.0
50°	51.2	54.4	54.3	49.9	49.6	47.9	43.8	45.7	48.3	48.9	49.2
47.5°	71.1	74.2	76.2	68.4	69.7	74.0	69.5	68.2	76.7	80.5	82.3
45°	103.6	116.3	119.9	122.3	118.8	129.9	130.0	124.8	141.3	150.3	153.3
42.5°	172.6	194.0	210.9	215.8	211.8	225.6	236.1	235.3	256.0	270.7	274.6
40°	288.8	308.9	333.2	342.2	346.1	358.7	385.3	402.4	423.2	446.2	457.9
37.5°	437.9	469.4	474.4	493.0	516.3	528.0	568.5	603.0	631.3	674.4	702.0
35°	656.3	739.8	649.8	692.5	751.6	758.4	795.2	874.9	894.8	970.1	1011.8
32.5°	1059.3	1214.7	1194.3	1049.8	1176.9	1321.1	1160.4	1446.2	1420.6	1501.0	1603.3
30°	1671.8	2123.9	2174.0	1962.6	2315.4	2506.9	2476.2	2760.9	2943.3	2920.7	3274.9
27.5°	2982.4	3345.0	3509.6	3813.2	4003.9	4286.2	4783.3	5073.0	5593.8	5867.1	6195.0
25°	4401.0	4829.6	5358.7	5880.8	6277.5	6903.3	7600.9	8149.4	8886.7	9349.3	9686.4
22.5°	5934.3	6691.5	7428.0	8155.4	8956.1	9818.0	10641.0	11591.6	12488.9	13151.4	13652.3
20°	7615.4	8663.3	9705.1	10703.6	11702.5	12855.0	13874.2	15016.5	16118.6	17076.9	17736.8
17.5°	9693.6	10789.2	12119.6	13455.7	14749.8	16177.0	17682.3	18963.2	20508.8	21785.4	22745.5
15°	11957.0	13329.0	14781.0	16452.2	18199.9	19965.7	21791.6	23674.6	25434.2	27066.3	28288.7
12.5°	14294.1	16001.9	17771.2	19621.6	21648.1	23845.7	26140.0	28381.3	30556.9	32350.8	34028.1
10°	16539.2	18673.5	20726.5	22894.7	25228.4	27686.9	30373.6	33043.4	35571.9	37781.8	39586.6
7.5°	18506.3	20823.5	23191.9	25850.7	28620.7	31375.7	34286.6	37281.3	40159.3	42706.4	44816.6
5°	20355.5	22773.0	25172.4	28032.8	31089.1	34250.5	37546.3	40910.4	44017.5	46897.2	49234.1
2.5°	21797.3	24340.0	26807.3	29943.6	33168.7	36388.4	39749.0	43427.0	46893.0	50023.4	52316.4
0°	22677.6	25187.8	27571.7	30937.3	34254.8	37634.4	41340.6	45255.1	48905.1	51904.1	54137.8
-2.5°	22373.2	24822.3	27408.5	30714.5	34221.6	37601.9	41351.0	45301.5	48927.8	51975.3	54156.6
-5°	21955.1	24356.1	26973.6	30281.6	33704.4	37080.7	40777.1	44662.1	48223.6	51221.6	53287.4
-7.5°	21441.1	23758.6	26311.0	29519.1	32922.9	36303.2	39901.4	43577.2	46983.3	49963.5	51907.4
-10°	20833.5	23030.5	25555.5	28641.2	32019.0	35277.5	38696.4	42337.0	45755.4	48465.5	50552.0
-12.5°	20203.2	22343.5	24688.4	27607.8	30841.5	33871.0	37135.2	40641.0	43652.6	46424.2	48257.7
-15°	19481.3	21533.9	23732.6	26423.6	29354.4	32189.9	35025.4	38117.0	40865.0	43329.5	45277.7
-17.5°	18645.8	20590.6	22520.3	24939.9	27746.0	30278.6	32761.2	35453.4	37896.3	40158.9	41845.7
-20°	17491.8	19092.1	20946.4	23261.1	25691.9	27828.2	30093.3	32354.8	34529.6	36445.0	37873.3



REPORT NUMBER: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	15838.8	17396.1	19113.8	21007.0	23040.8	25003.0	26941.9	28792.2	30561.7	32155.6	33305.3
-25°	14079.3	15501.7	17052.3	18626.0	20249.9	22007.7	23708.3	25235.6	26690.7	27922.2	28869.2
-27.5°	12331.2	13676.2	15031.9	16301.9	17600.8	19069.0	20557.5	21836.2	23068.6	24033.3	24771.6
-30°	10769.7	12207.6	13401.3	14265.5	15524.2	16812.3	17777.3	18940.8	19911.7	20527.3	21320.7
-32.5°	9909.2	10993.8	12076.1	12964.5	13964.7	15094.9	16008.7	16959.2	17778.6	18440.2	18939.1
-35°	9124.3	10077.3	10991.8	11905.8	12798.8	13706.7	14549.0	15351.3	16078.1	16663.2	17125.4
-37.5°	8419.2	9244.0	10071.9	10860.4	11662.6	12421.4	13144.5	13836.5	14447.5	14974.8	15410.6
-40°	7707.2	8444.1	9172.1	9885.1	10586.7	11206.1	11827.8	12399.7	12915.4	13381.9	13762.9
-42.5°	6992.4	7649.9	8287.5	8934.4	9556.9	10094.5	10607.8	11080.5	11522.7	11920.4	12249.1
-45°	6289.5	6870.2	7432.2	8006.4	8531.3	9021.3	9468.8	9866.8	10246.7	10581.9	10858.2
-47.5°	5656.2	6129.0	6630.4	7120.7	7576.3	8017.6	8409.0	8759.3	9092.6	9376.4	9601.8
-50°	5067.5	5499.2	5921.9	6319.1	6744.8	7131.7	7462.9	7785.7	8088.8	8342.1	8532.3
-52.5°	4513.9	4912.3	5292.4	5663.0	6032.4	6376.6	6694.3	6989.5	7254.3	7486.5	7651.2
-55°	4075.8	4401.3	4709.2	5065.7	5404.8	5710.8	5995.3	6281.9	6537.2	6762.7	6900.3
-57.5°	3660.9	3954.7	4247.8	4556.0	4854.2	5141.7	5411.8	5663.0	5898.1	6109.1	6227.7
-60°	3290.7	3527.9	3806.6	4090.9	4361.2	4617.9	4871.4	5107.0	5325.6	5509.2	5614.0
-62.5°	2980.6	3205.8	3441.7	3679.1	3913.2	4151.9	4382.0	4600.9	4808.4	4975.6	5077.5
-65°	2707.1	2911.1	3117.2	3327.5	3540.7	3751.0	3946.9	4139.2	4326.7	4470.1	4561.8
-67.5°	2449.7	2625.2	2798.5	2977.5	3161.1	3342.5	3515.3	3685.7	3852.6	3968.2	4040.1
-70°	2167.6	2322.6	2471.7	2622.4	2772.4	2919.8	3062.6	3205.1	3345.8	3438.7	3500.2
-72.5°	1854.9	1984.3	2105.4	2225.8	2348.4	2469.6	2587.0	2701.2	2811.4	2883.3	2936.5
-75°	1517.2	1616.0	1710.0	1804.9	1900.0	1998.5	2095.5	2188.5	2277.0	2330.9	2372.2
-77.5°	1173.5	1243.4	1309.7	1376.5	1443.2	1519.5	1596.8	1671.7	1743.8	1782.0	1810.4
-80°	828.7	877.7	923.0	966.3	1007.4	1056.1	1105.0	1152.5	1198.0	1219.8	1235.8
-82.5°	519.2	547.9	574.8	600.3	624.3	650.4	675.1	698.2	719.4	729.9	737.7
-85°	270.1	282.6	294.1	304.8	314.6	326.6	337.9	348.5	358.2	361.4	363.5
-87.5°	100.8	104.5	108.2	111.6	115.0	119.5	124.0	128.3	132.5	133.6	134.6
-90°	6.0	6.0	6.0	6.0	6.0	5.5	5.0	4.5	4.0	4.0	4.0



REPORT NUMBER: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	29.5	30.0	30.0	30.0	30.0	30.0	29.5	29.0	28.5	28.0	27.5
87.5°	13.9	12.0	11.0	10.0	11.0	12.0	13.9	15.8	17.7	19.4	16.9
85°	25.4	22.0	21.0	20.0	21.0	22.0	25.4	28.7	31.9	34.9	31.6
82.5°	27.0	26.0	26.0	26.0	26.0	26.0	27.0	28.1	29.3	30.7	32.2
80°	32.9	32.0	32.1	32.1	32.1	32.0	32.9	33.8	34.6	35.6	39.0
77.5°	37.0	36.1	36.1	36.1	36.1	36.1	37.0	37.9	38.7	40.1	45.1
75°	35.3	34.2	34.1	34.1	34.1	34.2	35.3	36.4	37.6	39.5	45.0
72.5°	30.9	30.2	30.0	30.0	30.0	30.2	30.9	31.7	32.7	34.6	39.4
70°	26.9	26.2	26.0	26.0	26.0	26.2	26.9	27.6	28.5	29.9	32.8
67.5°	24.2	24.1	24.0	24.0	24.0	24.1	24.2	24.5	24.8	25.8	27.6
65°	20.4	20.2	20.0	20.0	20.0	20.2	20.4	20.6	21.0	22.0	23.6
62.5°	18.8	18.2	17.2	16.0	17.2	18.2	18.8	19.4	19.9	20.5	21.4
60°	19.4	18.3	18.0	18.0	18.0	18.3	19.4	20.3	21.2	21.5	21.8
57.5°	20.6	20.1	20.0	20.0	20.0	20.1	20.6	21.2	21.9	23.3	24.2
55°	26.0	25.9	25.9	26.0	25.9	25.9	26.0	26.0	25.8	27.0	28.1
52.5°	36.2	35.9	35.9	36.1	35.9	35.9	36.2	36.0	35.4	34.8	34.2
50°	49.7	49.7	49.2	48.1	49.2	49.7	49.7	49.2	48.9	48.3	45.7
47.5°	83.5	82.2	80.8	80.1	80.8	82.2	83.5	82.3	80.5	76.7	68.2
45°	156.9	155.8	153.5	152.3	153.5	155.8	156.9	153.3	150.3	141.3	124.8
42.5°	281.0	278.8	273.5	270.4	273.5	278.8	281.0	274.6	270.7	256.0	235.3
40°	471.0	473.5	469.4	466.8	469.4	473.5	471.0	457.9	446.2	423.2	402.4
37.5°	723.9	734.5	733.1	729.2	733.1	734.5	723.9	702.0	674.4	631.3	603.0
35°	1030.9	1042.7	1036.7	1035.7	1036.7	1042.7	1030.9	1011.8	970.1	894.8	874.9
32.5°	1526.5	1509.2	1444.6	1462.4	1444.6	1509.2	1526.5	1603.3	1501.0	1420.6	1446.2
30°	3298.8	3362.2	3181.4	3037.0	3181.4	3362.2	3298.8	3274.9	2920.7	2943.3	2760.9
27.5°	6227.4	6364.2	6338.6	6486.8	6338.6	6364.2	6227.4	6195.0	5867.1	5593.8	5073.0
25°	9818.6	9909.3	9915.1	9648.0	9915.1	9909.3	9818.6	9686.4	9349.3	8886.7	8149.4
22.5°	13837.8	13925.4	14085.0	14085.4	14085.0	13925.4	13837.8	13652.3	13151.4	12488.9	11591.6
20°	18195.6	18211.6	18516.6	18538.8	18516.6	18211.6	18195.6	17736.8	17076.9	16118.6	15016.5
17.5°	23421.3	23675.5	24087.9	23847.6	24087.9	23675.5	23421.3	22745.5	21785.4	20508.8	18963.2
15°	29445.6	30013.4	30454.3	30256.2	30454.3	30013.4	29445.6	28288.7	27066.3	25434.2	23674.6
12.5°	35361.8	36256.8	36682.9	36578.7	36682.9	36256.8	35361.8	34028.1	32350.8	30556.9	28381.3
10°	40993.1	42252.9	42705.4	42865.1	42705.4	42252.9	40993.1	39586.6	37781.8	35571.9	33043.4
7.5°	46391.7	47546.1	48232.2	47945.5	48232.2	47546.1	46391.7	44816.6	42706.4	40159.3	37281.3
5°	50724.6	51699.5	52253.7	52056.4	52253.7	51699.5	50724.6	49234.1	46897.2	44017.5	40910.4
2.5°	53793.0	54703.5	55183.9	54942.2	55183.9	54703.5	53793.0	52316.4	50023.4	46893.0	43427.0
0°	55546.1	56473.7	57017.5	57056.7	57017.5	56473.7	55546.1	54137.8	51904.1	48905.1	45255.1
-2.5°	55477.7	56132.9	56515.1	56320.4	56515.1	56132.9	55477.7	54156.6	51975.3	48927.8	45301.5
-5°	54316.3	54869.6	55068.1	54983.2	55068.1	54869.6	54316.3	53287.4	51221.6	48223.6	44662.1
-7.5°	52883.4	53291.4	53427.8	53326.5	53427.8	53291.4	52883.4	51907.4	49963.5	46983.3	43577.2
-10°	51497.2	51904.9	51974.1	51916.1	51974.1	51904.9	51497.2	50552.0	48465.5	45755.4	42337.0
-12.5°	49478.9	49920.8	49935.2	49800.6	49935.2	49920.8	49478.9	48257.7	46424.2	43652.6	40641.0
-15°	46331.2	46692.5	46750.8	46675.4	46750.8	46692.5	46331.2	45277.7	43329.5	40865.0	38117.0
-17.5°	42832.4	43071.6	43330.9	43620.4	43330.9	43071.6	42832.4	41845.7	40158.9	37896.3	35453.4
-20°	38631.5	38917.7	39223.6	39547.6	39223.6	38917.7	38631.5	37873.3	36445.0	34529.6	32354.8



REPORT NUMBER: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	33910.3	34231.9	34545.7	34709.6	34545.7	34231.9	33910.3	33305.3	32155.6	30561.7	28792.2
-25°	29343.4	29735.0	29982.8	30132.0	29982.8	29735.0	29343.4	28869.2	27922.2	26690.7	25235.6
-27.5°	25156.7	25621.0	25849.5	25947.0	25849.5	25621.0	25156.7	24771.6	24033.3	23068.6	21836.2
-30°	21630.4	21915.6	21955.0	22102.7	21955.0	21915.6	21630.4	21320.7	20527.3	19911.7	18940.8
-32.5°	19305.7	19622.4	19814.9	19977.1	19814.9	19622.4	19305.7	18939.1	18440.2	17778.6	16959.2
-35°	17484.3	17771.2	17960.0	18037.9	17960.0	17771.2	17484.3	17125.4	16663.2	16078.1	15351.3
-37.5°	15738.6	15955.3	16087.3	16192.9	16087.3	15955.3	15738.6	15410.6	14974.8	14447.5	13836.5
-40°	14055.3	14270.4	14400.9	14435.9	14400.9	14270.4	14055.3	13762.9	13381.9	12915.4	12399.7
-42.5°	12484.4	12649.9	12763.6	12841.3	12763.6	12649.9	12484.4	12249.1	11920.4	11522.7	11080.5
-45°	11061.8	11207.7	11308.9	11370.9	11308.9	11207.7	11061.8	10858.2	10581.9	10246.7	9866.8
-47.5°	9767.9	9885.3	9965.8	10012.6	9965.8	9885.3	9767.9	9601.8	9376.4	9092.6	8759.3
-50°	8674.2	8779.1	8853.5	8898.8	8853.5	8779.1	8674.2	8532.3	8342.1	8088.8	7785.7
-52.5°	7780.0	7881.9	7956.8	8005.3	7956.8	7881.9	7780.0	7651.2	7486.5	7254.3	6989.5
-55°	7014.6	7108.3	7176.1	7220.0	7176.1	7108.3	7014.6	6900.3	6762.7	6537.2	6281.9
-57.5°	6328.4	6411.1	6468.6	6504.8	6468.6	6411.1	6328.4	6227.7	6109.1	5898.1	5663.0
-60°	5703.4	5777.9	5830.8	5867.7	5830.8	5777.9	5703.4	5614.0	5509.2	5325.6	5107.0
-62.5°	5167.6	5246.0	5287.9	5310.8	5287.9	5246.0	5167.6	5077.5	4975.6	4808.4	4600.9
-65°	4646.2	4721.8	4762.5	4785.9	4762.5	4721.8	4646.2	4561.8	4470.1	4326.7	4139.2
-67.5°	4103.6	4158.0	4199.5	4231.0	4199.5	4158.0	4103.6	4040.1	3968.2	3852.6	3685.7
-70°	3553.0	3597.1	3598.5	3585.9	3598.5	3597.1	3553.0	3500.2	3438.7	3345.8	3205.1
-72.5°	2982.5	3021.1	3031.2	3031.0	3031.2	3021.1	2982.5	2936.5	2883.3	2811.4	2701.2
-75°	2407.9	2437.5	2457.3	2470.1	2457.3	2437.5	2407.9	2372.2	2330.9	2277.0	2188.5
-77.5°	1833.5	1851.4	1868.0	1879.1	1868.0	1851.4	1833.5	1810.4	1782.0	1743.8	1671.7
-80°	1248.0	1256.3	1258.2	1256.1	1258.2	1256.3	1248.0	1235.8	1219.8	1198.0	1152.5
-82.5°	743.3	746.8	743.2	737.2	743.2	746.8	743.3	737.7	729.9	719.4	698.2
-85°	364.6	364.9	364.2	362.6	364.2	364.9	364.6	363.5	361.4	358.2	348.5
-87.5°	135.3	135.8	138.1	140.2	138.1	135.8	135.3	134.6	133.6	132.5	128.3
-90°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5





REPORT NUMBER: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	27.0	26.5	26.0	25.0	24.0	23.0	22.0	21.0	20.0	19.0	18.0
87.5°	14.4	11.9	9.6	10.0	10.3	10.6	10.9	10.4	9.8	9.3	8.8
85°	28.1	24.7	21.4	21.7	22.0	22.2	22.2	21.8	21.1	20.3	19.2
82.5°	33.4	34.1	34.4	36.9	38.8	40.2	41.0	41.2	40.6	39.3	37.1
80°	42.1	44.8	47.7	53.0	57.7	61.6	64.5	66.4	67.7	68.1	66.2
77.5°	49.9	54.3	59.3	67.3	74.7	81.5	87.4	91.0	93.0	94.1	91.7
75°	50.6	56.2	63.7	75.0	85.8	95.9	103.3	108.0	112.1	115.5	112.9
72.5°	44.5	50.0	59.1	72.9	87.3	99.8	110.6	119.7	127.1	132.8	128.1
70°	36.3	40.3	48.9	61.8	75.4	89.6	105.0	120.9	137.3	147.8	139.4
67.5°	29.7	31.9	38.4	48.4	60.4	73.9	89.5	107.6	125.1	142.0	138.9
65°	25.3	27.1	31.5	38.3	46.9	57.3	69.3	84.3	102.9	122.1	123.8
62.5°	22.5	23.8	26.9	31.1	36.5	43.3	52.6	65.1	79.6	91.5	97.7
60°	22.0	22.3	24.6	27.1	30.0	34.3	42.1	50.8	60.3	70.6	75.9
57.5°	24.3	24.7	26.2	27.3	28.0	31.2	36.0	41.7	50.3	56.7	60.6
55°	29.4	31.2	32.4	32.5	31.9	33.2	34.4	37.5	43.9	49.9	55.4
52.5°	33.7	37.1	40.1	42.2	42.3	41.0	38.4	39.3	42.9	49.0	54.0
50°	43.8	47.9	49.6	49.9	54.3	54.4	51.2	47.2	53.0	55.8	56.0
47.5°	69.5	74.0	69.7	68.4	76.2	74.2	71.1	70.7	77.7	72.0	69.7
45°	130.0	129.9	118.8	122.3	119.9	116.3	103.6	114.5	116.4	110.1	90.9
42.5°	236.1	225.6	211.8	215.8	210.9	194.0	172.6	178.1	174.6	160.6	149.3
40°	385.3	358.7	346.1	342.2	333.2	308.9	288.8	259.8	250.2	229.1	225.6
37.5°	568.5	528.0	516.3	493.0	474.4	469.4	437.9	385.1	338.5	358.7	333.0
35°	795.2	758.4	751.6	692.5	649.8	739.8	656.3	551.5	527.4	576.7	492.4
32.5°	1160.4	1321.1	1176.9	1049.8	1194.3	1214.7	1059.3	809.5	932.6	930.1	777.0
30°	2476.2	2506.9	2315.4	1962.6	2174.0	2123.9	1671.8	1611.9	1576.7	1411.0	1153.6
27.5°	4783.3	4286.2	4003.9	3813.2	3509.6	3345.0	2982.4	2607.9	2398.4	2095.1	1690.2
25°	7600.9	6903.3	6277.5	5880.8	5358.7	4829.6	4401.0	3872.2	3418.4	2932.4	2364.5
22.5°	10641.0	9818.0	8956.1	8155.4	7428.0	6691.5	5934.3	5179.7	4536.7	3904.7	3182.0
20°	13874.2	12855.0	11702.5	10703.6	9705.1	8663.3	7615.4	6704.6	5870.3	4976.8	4061.9
17.5°	17682.3	16177.0	14749.8	13455.7	12119.6	10789.2	9693.6	8548.0	7332.9	6105.9	4975.8
15°	21791.6	19965.7	18199.9	16452.2	14781.0	13329.0	11957.0	10499.7	8932.1	7358.2	6014.4
12.5°	26140.0	23845.7	21648.1	19621.6	17771.2	16001.9	14294.1	12542.4	10641.6	8775.0	7232.3
10°	30373.6	27686.9	25228.4	22894.7	20726.5	18673.5	16539.2	14419.6	12269.4	10172.0	8408.0
7.5°	34286.6	31375.7	28620.7	25850.7	23191.9	20823.5	18506.3	16178.5	13826.6	11495.1	9533.7
5°	37546.3	34250.5	31089.1	28032.8	25172.4	22773.0	20355.5	17843.4	15293.1	12733.8	10598.7
2.5°	39749.0	36388.4	33168.7	29943.6	26807.3	24340.0	21797.3	19108.1	16317.2	13551.5	11290.2
0°	41340.6	37634.4	34254.8	30937.3	27571.7	25187.8	22677.6	19987.2	17050.3	14197.6	11905.8
-2.5°	41351.0	37601.9	34221.6	30714.5	27408.5	24822.3	22373.2	19768.0	17053.0	14313.0	12046.2
-5°	40777.1	37080.7	33704.4	30281.6	26973.6	24356.1	21955.1	19465.3	16930.3	14325.8	12102.8
-7.5°	39901.4	36303.2	32922.9	29519.1	26311.0	23758.6	21441.1	19107.9	16707.4	14250.2	12082.7
-10°	38696.4	35277.5	32019.0	28641.2	25555.5	23030.5	20833.5	18664.8	16391.1	14072.9	11986.0
-12.5°	37135.2	33871.0	30841.5	27607.8	24688.4	22343.5	20203.2	18141.5	15999.2	13797.4	11816.2
-15°	35025.4	32189.9	29354.4	26423.6	23732.6	21533.9	19481.3	17471.4	15357.7	13324.7	11577.5
-17.5°	32761.2	30278.6	27746.0	24939.9	22520.3	20590.6	18645.8	16633.0	14545.0	12551.1	10948.0
-20°	30093.3	27828.2	25691.9	23261.1	20946.4	19092.1	17491.8	15659.1	13568.9	11712.6	10192.7



REPORT NUMBER: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	26941.9	25003.0	23040.8	21007.0	19113.8	17396.1	15838.8	14257.3	12425.6	10745.8	9365.4
-25°	23708.3	22007.7	20249.9	18626.0	17052.3	15501.7	14079.3	12626.3	11177.1	9740.3	8484.6
-27.5°	20557.5	19069.0	17600.8	16301.9	15031.9	13676.2	12331.2	11089.6	9971.1	8820.4	7637.9
-30°	17777.3	16812.3	15524.2	14265.5	13401.3	12207.6	10769.7	9882.5	8992.2	7999.3	6947.2
-32.5°	16008.7	15094.9	13964.7	12964.5	12076.1	10993.8	9909.2	8866.3	8152.1	7298.2	6419.0
-35°	14549.0	13706.7	12798.8	11905.8	10991.8	10077.3	9124.3	8251.0	7437.2	6665.2	5921.1
-37.5°	13144.5	12421.4	11662.6	10860.4	10071.9	9244.0	8419.2	7615.8	6819.0	6128.7	5469.0
-40°	11827.8	11206.1	10586.7	9885.1	9172.1	8444.1	7707.2	6962.9	6273.3	5619.5	5028.3
-42.5°	10607.8	10094.5	9556.9	8934.4	8287.5	7649.9	6992.4	6340.3	5724.3	5150.0	4606.7
-45°	9468.8	9021.3	8531.3	8006.4	7432.2	6870.2	6289.5	5736.4	5200.3	4689.1	4179.1
-47.5°	8409.0	8017.6	7576.3	7120.7	6630.4	6129.0	5656.2	5160.8	4696.3	4227.5	3787.2
-50°	7462.9	7131.7	6744.8	6319.1	5921.9	5499.2	5067.5	4620.7	4213.5	3819.4	3415.2
-52.5°	6694.3	6376.6	6032.4	5663.0	5292.4	4912.3	4513.9	4156.7	3794.1	3443.1	3087.2
-55°	5995.3	5710.8	5404.8	5065.7	4709.2	4401.3	4075.8	3744.0	3419.4	3092.8	2800.0
-57.5°	5411.8	5141.7	4854.2	4556.0	4247.8	3954.7	3660.9	3358.9	3077.4	2806.3	2534.4
-60°	4871.4	4617.9	4361.2	4090.9	3806.6	3527.9	3290.7	3040.5	2777.2	2546.7	2315.2
-62.5°	4382.0	4151.9	3913.2	3679.1	3441.7	3205.8	2980.6	2760.1	2536.7	2317.2	2120.0
-65°	3946.9	3751.0	3540.7	3327.5	3117.2	2911.1	2707.1	2508.1	2318.3	2134.1	1942.3
-67.5°	3515.3	3342.5	3161.1	2977.5	2798.5	2625.2	2449.7	2276.8	2102.9	1933.3	1754.4
-70°	3062.6	2919.8	2772.4	2622.4	2471.7	2322.6	2167.6	2011.4	1860.1	1710.3	1551.8
-72.5°	2587.0	2469.6	2348.4	2225.8	2105.4	1984.3	1854.9	1719.6	1588.8	1463.3	1333.7
-75°	2095.5	1998.5	1900.0	1804.9	1710.0	1616.0	1517.2	1409.7	1304.6	1202.6	1098.4
-77.5°	1596.8	1519.5	1443.2	1376.5	1309.7	1243.4	1173.5	1091.8	1011.2	931.8	850.8
-80°	1105.0	1056.1	1007.4	966.3	923.0	877.7	828.7	769.6	711.0	656.6	604.8
-82.5°	675.1	650.4	624.3	600.3	574.8	547.9	519.2	485.1	451.1	417.3	383.1
-85°	337.9	326.6	314.6	304.8	294.1	282.6	270.1	254.9	238.8	221.9	204.2
-87.5°	124.0	119.5	115.0	111.6	108.2	104.5	100.8	95.3	89.8	84.4	78.9
-90°	5.0	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0





REPORT NUMBER: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	17.5	17.0	16.5	16.0	15.5	15.0	14.5	14.0	13.5	13.0	12.5
87.5°	10.6	12.2	13.6	14.9	14.2	13.5	12.8	12.2	12.2	12.1	11.9
85°	19.6	20.2	21.1	22.1	20.7	19.0	17.7	16.5	16.4	16.2	15.8
82.5°	33.6	31.8	30.8	30.2	29.7	28.6	26.8	24.3	21.7	20.4	19.7
80°	59.0	52.6	46.9	42.2	39.4	38.3	36.9	34.1	28.5	24.6	22.5
77.5°	82.0	73.1	65.1	57.2	50.4	45.6	43.1	41.6	35.0	28.6	24.4
75°	102.4	90.9	80.2	69.9	60.2	52.4	46.8	42.8	37.4	32.0	26.2
72.5°	115.9	104.2	93.1	81.2	68.6	58.2	50.0	43.9	38.4	32.9	27.4
70°	126.2	114.8	103.0	89.4	75.9	63.2	52.8	45.6	39.4	33.8	28.2
67.5°	133.3	119.5	107.7	96.2	82.2	68.3	55.3	47.4	41.0	34.5	28.8
65°	119.6	115.0	109.2	97.1	85.4	73.0	59.1	49.7	42.5	35.9	29.4
62.5°	101.8	102.4	98.9	95.1	85.7	74.1	62.8	53.3	44.2	37.1	30.3
60°	79.6	84.4	87.6	86.2	82.2	73.8	64.1	56.7	47.1	38.2	31.3
57.5°	65.9	67.8	72.7	76.4	75.2	70.5	64.9	58.4	49.9	40.3	32.3
55°	57.1	60.0	61.9	64.8	67.5	65.2	64.4	59.4	52.1	42.4	33.7
52.5°	56.8	57.8	58.2	57.4	58.6	60.7	61.6	60.4	53.1	44.3	36.0
50°	59.2	64.3	61.0	56.9	52.4	55.7	59.2	58.7	54.2	45.9	38.4
47.5°	69.8	77.1	72.8	61.2	54.3	51.5	56.1	56.9	55.2	46.9	40.7
45°	98.6	97.5	91.0	76.8	59.7	55.1	53.4	55.4	54.0	49.4	43.1
42.5°	137.8	132.2	118.2	95.4	83.3	62.8	51.4	53.8	52.9	52.2	45.6
40°	206.7	177.6	153.7	139.5	119.1	72.8	58.9	52.7	52.4	55.0	48.3
37.5°	287.4	243.9	202.2	203.1	167.9	113.4	68.7	52.1	55.5	57.4	51.3
35°	405.1	328.4	302.6	289.6	238.2	161.2	79.8	55.9	59.9	60.5	54.4
32.5°	540.5	493.0	475.6	399.2	320.5	215.8	112.8	71.9	65.6	64.3	57.7
30°	859.8	784.0	702.8	526.0	418.6	292.7	166.8	88.2	72.5	68.7	61.1
27.5°	1374.7	1129.0	982.5	731.9	538.6	380.7	234.5	104.8	80.5	74.0	64.5
25°	1930.3	1585.4	1316.4	992.3	669.7	516.6	310.5	123.4	92.8	80.3	68.3
22.5°	2557.8	2078.8	1686.4	1284.0	877.7	674.5	408.3	183.0	107.0	87.3	72.3
20°	3194.0	2579.4	2107.0	1643.9	1149.0	853.7	531.4	246.1	121.0	94.8	76.5
17.5°	3859.4	3215.8	2681.7	2055.1	1452.8	1042.7	664.6	311.6	134.9	102.6	80.8
15°	4877.0	4025.8	3298.7	2503.7	1754.1	1238.4	804.8	378.0	148.4	110.8	89.7
12.5°	5934.5	4850.8	3942.3	2978.4	2049.6	1437.7	948.9	444.1	161.6	127.6	104.4
10°	6965.3	5679.6	4599.8	3466.9	2336.3	1637.1	1093.1	531.2	201.3	151.7	119.4
7.5°	7960.4	6500.2	5257.8	3955.6	2633.6	1899.2	1354.5	666.6	246.2	176.2	134.5
5°	8855.3	7220.3	5879.2	4468.2	3039.1	2222.0	1633.7	801.4	291.7	200.8	149.4
2.5°	9456.9	7769.6	6450.5	4946.9	3426.0	2532.6	1904.9	931.2	336.8	224.9	164.1
0°	9990.6	8265.7	6975.6	5380.9	3790.3	2828.7	2159.6	1051.7	380.6	248.4	178.3
-2.5°	10125.6	8388.5	7137.7	5646.4	4096.9	3099.3	2389.6	1237.8	522.5	336.2	234.1
-5°	10189.7	8469.9	7258.8	5868.0	4374.8	3351.5	2591.9	1407.9	659.4	421.6	288.4
-7.5°	10203.3	8535.2	7323.3	6027.5	4622.0	3583.7	2764.1	1559.5	788.6	503.2	340.4
-10°	10156.6	8561.4	7305.6	5986.1	4637.5	3679.5	2879.1	1690.4	907.5	579.7	389.5
-12.5°	10047.9	8527.5	7244.7	5893.9	4582.3	3644.0	2804.8	1740.0	1009.7	649.9	434.9
-15°	9880.4	8429.3	7140.6	5749.3	4492.5	3585.3	2720.6	1747.7	1072.1	711.6	475.8
-17.5°	9570.2	8263.5	6993.9	5550.9	4366.7	3502.2	2630.9	1744.9	1125.6	764.6	514.7
-20°	8911.7	7842.3	6792.5	5297.9	4204.3	3394.0	2539.6	1732.8	1169.6	810.5	551.1



REPORT NUMBER: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	8212.8	7246.4	6255.8	5075.5	4033.0	3260.0	2450.6	1712.6	1203.7	848.7	582.1
-25°	7462.8	6641.2	5691.8	4712.0	3867.0	3121.2	2383.4	1685.5	1227.7	878.8	607.5
-27.5°	6760.6	6030.9	5161.6	4353.3	3632.2	2998.0	2331.4	1702.6	1247.5	900.3	626.9
-30°	6091.0	5457.9	4737.1	4022.6	3394.4	2835.1	2275.9	1709.4	1268.3	918.2	639.9
-32.5°	5607.8	4945.2	4351.4	3752.3	3186.0	2662.9	2168.9	1703.4	1277.6	930.8	650.0
-35°	5225.4	4565.4	3991.4	3485.1	2985.4	2501.3	2042.2	1684.5	1274.9	934.6	654.9
-37.5°	4830.2	4239.8	3705.1	3237.7	2778.9	2333.0	1935.9	1602.3	1260.2	929.5	653.4
-40°	4461.6	3919.1	3437.9	3007.7	2582.7	2158.6	1821.5	1519.9	1242.4	915.3	645.4
-42.5°	4079.8	3607.8	3176.8	2773.2	2386.7	2023.5	1702.5	1432.3	1182.6	897.1	631.0
-45°	3720.1	3293.6	2912.3	2553.3	2193.3	1881.4	1600.0	1341.9	1113.8	872.7	613.0
-47.5°	3354.7	2997.7	2659.8	2330.0	2029.7	1740.2	1492.2	1261.3	1041.7	839.2	593.2
-50°	3028.7	2715.5	2419.3	2136.5	1859.8	1616.8	1384.7	1177.1	975.7	780.4	567.4
-52.5°	2750.7	2460.4	2203.4	1951.4	1716.5	1488.3	1288.3	1090.6	906.7	725.3	535.8
-55°	2500.4	2233.1	2004.6	1788.3	1576.7	1375.9	1188.5	1011.3	835.1	670.2	499.6
-57.5°	2285.3	2028.0	1830.5	1636.2	1449.5	1266.9	1094.0	929.3	767.9	612.5	466.5
-60°	2083.4	1865.0	1667.0	1498.5	1329.2	1161.7	1001.6	847.5	699.9	554.2	425.1
-62.5°	1915.6	1707.5	1523.9	1367.4	1213.8	1061.2	908.0	768.8	629.4	499.9	379.5
-65°	1749.0	1561.4	1383.4	1244.5	1102.6	958.4	818.8	687.4	561.1	442.7	334.7
-67.5°	1578.4	1410.8	1256.4	1122.8	986.3	853.4	726.1	605.4	491.0	383.0	295.3
-70°	1397.7	1254.4	1116.8	987.3	863.4	743.7	628.9	520.8	418.0	331.7	253.9
-72.5°	1201.3	1075.7	957.7	845.1	733.0	627.0	527.5	435.5	353.5	278.4	210.7
-75°	990.4	885.6	785.9	690.0	595.6	506.9	428.9	356.4	286.8	223.3	171.6
-77.5°	764.6	682.7	605.3	533.4	461.0	393.8	332.1	274.8	221.2	175.1	133.4
-80°	547.0	490.3	435.1	381.0	327.4	278.3	239.5	202.0	162.6	126.6	94.1
-82.5°	342.3	307.8	276.1	245.4	214.8	185.6	157.7	131.0	102.8	77.2	62.2
-85°	184.2	164.9	146.2	128.2	109.6	92.0	83.2	74.7	64.3	54.6	45.8
-87.5°	75.0	71.1	67.1	63.1	58.3	53.5	48.9	44.4	39.0	33.9	29.2
-90°	6.5	7.0	7.5	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0



REPORT NUMBER: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	12.0	11.5	11.0	10.5	10.0	9.0	8.0
87.5°	11.6	10.7	9.9	9.2	8.7	8.3	8.0
85°	15.2	13.4	11.8	10.5	9.4	8.6	8.0
82.5°	18.8	16.1	13.7	11.7	10.1	8.9	8.0
80°	21.9	18.7	15.5	12.9	10.8	9.2	8.0
77.5°	22.3	20.4	17.4	14.1	11.4	9.5	8.0
75°	22.7	20.5	18.8	15.2	12.1	9.8	8.0
72.5°	23.0	20.5	18.7	16.4	12.8	10.1	8.0
70°	23.3	20.6	18.6	17.2	13.4	10.4	8.0
67.5°	24.1	20.5	18.4	17.0	14.0	10.6	8.0
65°	24.8	20.8	18.2	16.7	14.6	10.9	8.0
62.5°	25.6	21.5	18.0	16.5	15.2	11.2	8.0
60°	26.3	22.2	17.7	16.2	15.7	11.4	8.0
57.5°	27.6	22.9	18.2	15.9	15.6	11.7	8.0
55°	28.9	23.5	18.8	15.6	15.5	11.9	8.0
52.5°	30.2	24.2	19.3	15.2	15.4	12.1	8.0
50°	31.4	25.3	19.8	14.9	15.4	12.3	8.0
47.5°	32.9	26.5	20.2	14.7	15.3	12.6	8.0
45°	34.9	27.5	20.7	15.0	15.3	12.7	8.0
42.5°	36.9	28.6	21.1	15.3	15.3	12.9	8.0
40°	38.9	29.7	21.7	16.0	15.4	13.1	8.0
37.5°	40.9	30.7	22.5	16.8	15.4	13.2	8.0
35°	42.8	32.0	23.2	17.6	15.5	13.4	8.0
32.5°	44.9	33.5	24.0	18.5	15.6	13.5	8.0
30°	47.4	34.9	24.6	19.4	15.7	13.6	8.0
27.5°	50.0	36.2	26.6	20.4	15.9	13.7	8.0
25°	52.6	37.5	28.8	21.3	16.0	13.8	8.0
22.5°	55.2	39.7	31.1	22.3	16.2	13.9	8.0
20°	57.8	44.7	33.5	23.2	16.4	14.0	8.0
17.5°	64.5	50.0	35.9	24.2	16.6	14.0	8.0
15°	73.9	55.5	38.4	25.1	16.8	14.0	8.0
12.5°	83.5	61.0	40.8	26.0	17.0	14.1	8.0
10°	93.1	66.7	43.3	26.9	17.2	14.1	8.0
7.5°	102.7	72.3	45.6	27.8	17.4	14.1	8.0
5°	112.2	77.8	47.9	28.6	17.6	14.1	8.0
2.5°	121.4	83.1	50.1	29.3	17.8	14.0	8.0
0°	130.2	88.1	52.1	30.0	18.0	14.0	8.0
-2.5°	164.0	107.0	62.2	34.4	19.3	14.3	8.0
-5°	196.8	125.3	72.1	38.8	20.6	14.5	8.0
-7.5°	228.2	142.8	81.5	42.9	21.8	14.7	8.0
-10°	257.7	159.4	90.5	46.9	23.0	14.9	8.0
-12.5°	285.0	174.7	98.8	50.5	24.2	15.1	8.0
-15°	309.6	188.7	106.3	53.9	25.2	15.3	8.0
-17.5°	331.2	201.0	113.1	56.8	26.2	15.5	8.0
-20°	352.3	211.6	118.9	59.4	27.1	15.6	8.0



REPORT NUMBER: P701576 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	374.7	220.3	123.6	61.5	27.9	15.7	8.0
-25°	393.3	231.6	127.3	63.2	28.6	15.8	8.0
-27.5°	407.8	242.5	129.8	64.3	29.1	15.8	8.0
-30°	418.0	250.6	131.5	64.9	29.6	15.9	8.0
-32.5°	423.7	255.9	135.6	65.0	29.9	15.9	8.0
-35°	428.3	258.4	138.0	64.4	30.1	15.8	8.0
-37.5°	430.0	259.0	138.8	63.3	30.1	15.8	8.0
-40°	427.2	259.1	137.9	61.6	30.0	15.7	8.0
-42.5°	420.0	256.5	136.7	59.9	29.8	15.6	8.0
-45°	408.3	251.3	135.4	58.8	29.4	15.4	8.0
-47.5°	392.2	243.3	132.6	56.9	28.9	15.3	8.0
-50°	377.2	232.7	128.4	56.4	28.3	15.1	8.0
-52.5°	359.4	219.5	122.9	55.8	27.5	14.9	8.0
-55°	337.9	208.3	116.0	54.5	26.6	14.6	8.0
-57.5°	312.9	195.8	107.8	52.6	25.5	14.3	8.0
-60°	285.5	181.5	98.5	50.0	24.4	14.0	8.0
-62.5°	262.4	165.2	91.9	46.9	23.5	13.7	8.0
-65°	236.8	147.2	84.3	43.2	22.5	13.4	8.0
-67.5°	208.8	130.1	75.7	39.1	21.5	13.0	8.0
-70°	178.7	114.1	66.2	34.4	20.4	12.6	8.0
-72.5°	151.9	96.8	55.9	31.4	19.2	12.2	8.0
-75°	124.3	78.5	45.0	28.8	18.0	11.8	8.0
-77.5°	95.2	59.1	38.7	26.0	16.8	11.3	8.0
-80°	65.0	46.7	33.5	23.0	15.5	10.9	8.0
-82.5°	50.4	38.2	28.0	20.0	14.1	10.4	8.0
-85°	37.8	29.4	22.4	16.9	12.8	10.0	8.0
-87.5°	24.9	20.5	16.7	13.7	11.4	9.5	8.0
-90°	8.0	8.0	8.0	8.0	8.0	8.0	8.0

(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

