

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: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-80-3S-CV1-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0640L-40-80-3S-CV1-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

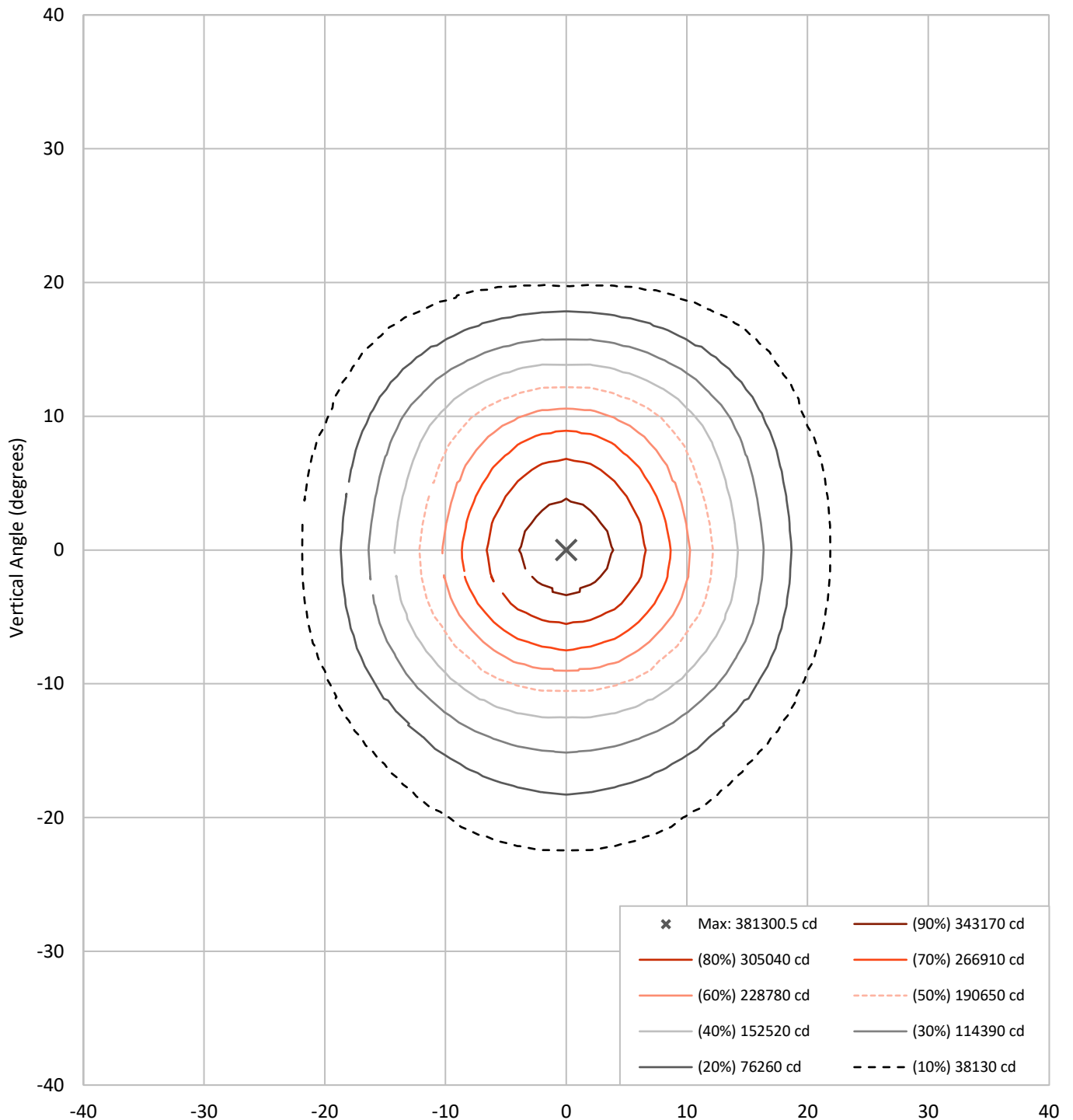
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	79027.6 lumens	Max Intensity:	381300.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	120.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.3°H x 22.7°V	Field Angle (10%):	43.8°H x 42.1°V
Beam Lumens:	37265.2 lumens	Field Lumens:	67321.2 lumens
Beam Efficiency:	47.2%	Field Efficiency:	85.2%

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: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-CV1-S

### Iso-Candela Plot





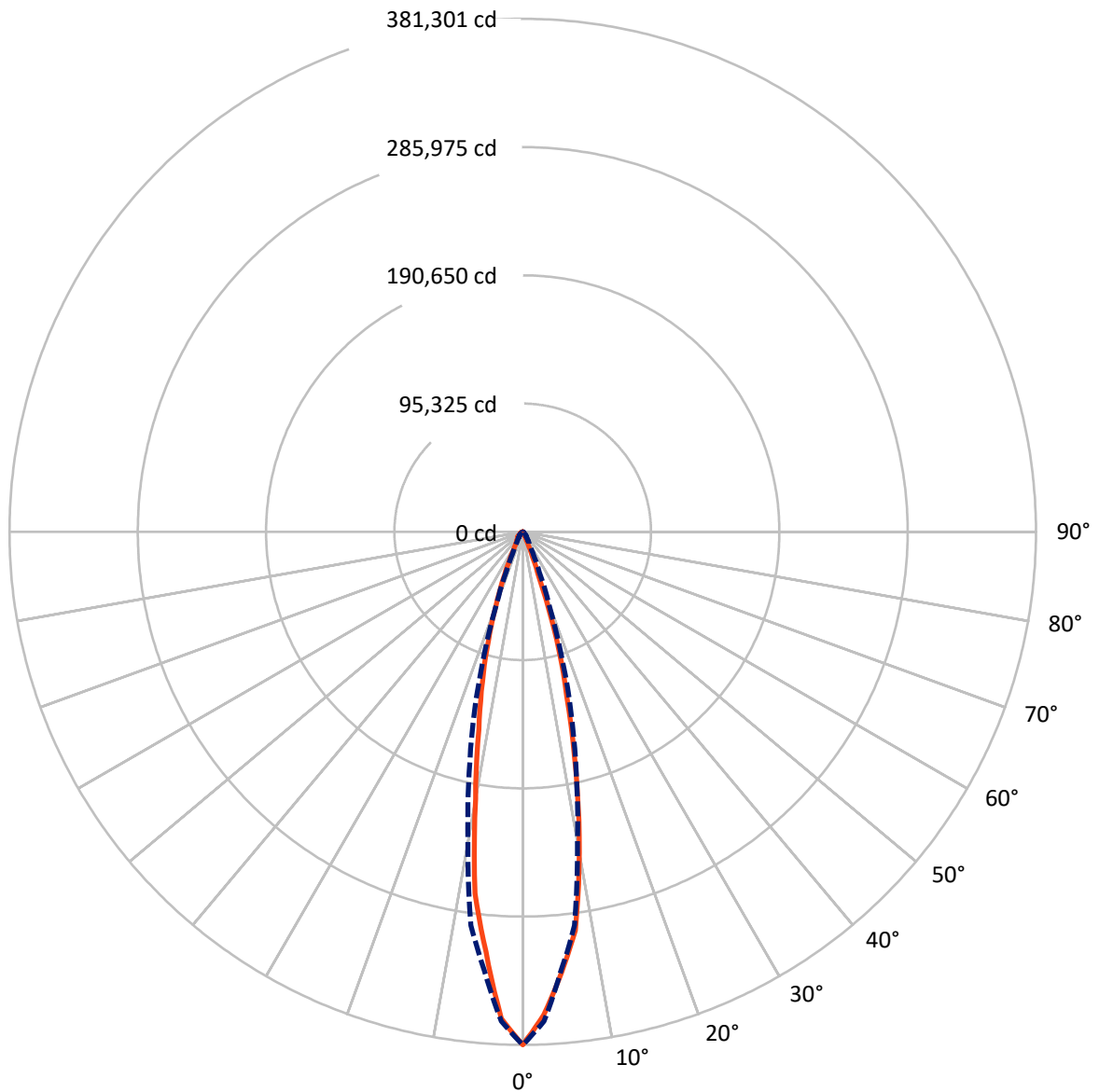
REPORT NUMBER: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-CV1-S

### Lumen Table

90	0.1		0.2		0.4		0.5		0.5		0.5		0.4		0.2		0.1	
80	0.1		0.2		0.4		0.5		0.5		0.5		0.4		0.2		0.1	
70	0.1	0.1	0.2	0.7	0.8	0.6	0.4	0.4	0.4	0.4	0.6	0.8	0.7	0.2	0.1	0.1		
60		0.1	0.5	0.9	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.9	0.5	0.1			
50	0.2	0.2	0.7	0.7	0.8	1.1	2.1	1.4	1.4	2.1	1.1	0.8	0.7	0.7	0.2	0.2		
40		0.4	1.3	3.1	5.5	8.0	11.0	13.2	13.2	11.0	8.0	5.5	3.1	1.3	0.4			
30	0.2	0.7	5.4	16.8	39.0	64.9	133.3	256.5	256.5	133.3	64.9	39.0	16.8	5.4	0.7	0.2		
20		1.6	11.5	42.9	103.9	275.1	1514.5	3574.2	3574.2	1514.5	275.1	103.9	42.9	11.5	1.6			
10	0.4	2.5	15.3	57.1	133.7	586.7	3630.8	8515.0	8515.0	3630.8	586.7	133.7	57.1	15.3	2.5	0.4		
0		3.1	16.4	58.1	134.0	580.9	3567.4	8160.0	8160.0	3567.4	580.9	134.0	58.1	16.4	3.1			
-10	0.7	3.7	15.5	48.2	105.3	277.3	1446.4	3264.4	3264.4	1446.4	277.3	105.3	48.2	15.5	3.7	0.7		
-20		3.9	14.4	36.1	89.8	157.2	359.9	735.7	735.7	359.9	157.2	89.8	36.1	14.4	3.9			
-30	0.6	3.4	12.4	27.3	66.2	130.0	182.5	224.2	224.2	182.5	130.0	66.2	27.3	12.4	3.4	0.6		
-40		2.4	9.4	21.5	40.2	71.4	116.9	149.6	149.6	116.9	71.4	40.2	21.5	9.4	2.4			
-50	0.3	1.2	5.7	14.5	27.4	42.2	56.5	65.5	65.5	56.5	42.2	27.4	14.5	5.7	1.2	0.3		
-60		0.5	2.0	6.3	12.8	20.3	27.7	31.9	31.9	27.7	20.3	12.8	6.3	2.0	0.5			
-70	0.2	1.1	4.0	10.4	14.1	10.4	4.0	1.1	0.2									
-80		1.1	4.0	10.4	14.1	10.4	4.0	1.1	0.2									
-90	0.2		1.1		4.0		10.4		14.1		10.4		4.0		1.1		0.2	

REPORT NUMBER: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-CV1-S

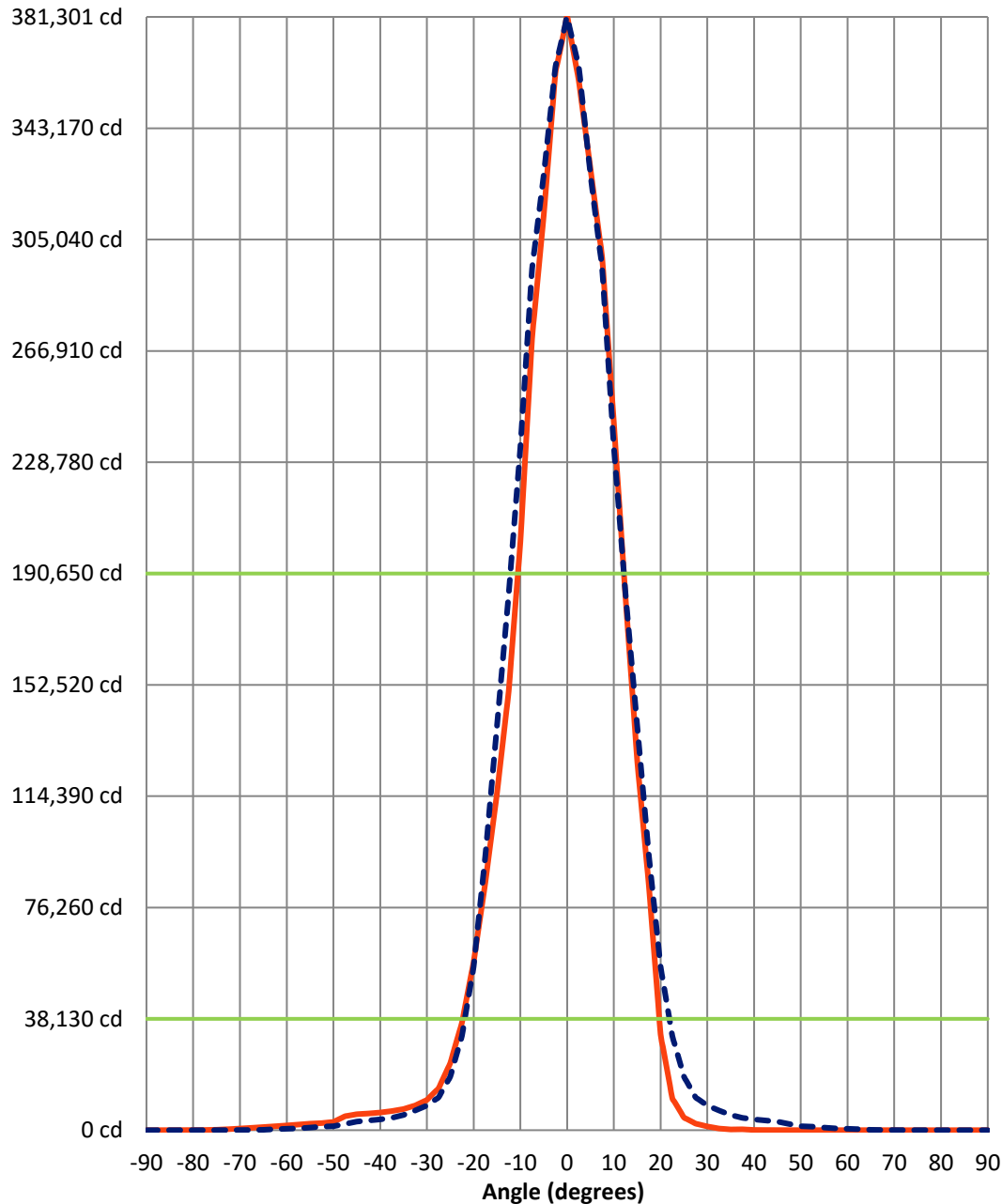
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-CV1-S

### Luminous Intensity Plot



**Beam:**  
 H Angle: 24.3°  
 V Angle: 22.7°  
 Lumens: 37265.2  
 Efficiency: 47.2%

**Field:**  
 H Angle: 43.8°  
 V Angle: 42.1°  
 Lumens: 67321.2  
 Efficiency: 85.2%

**Spill:**  
 Lumens: 11706.3  
 Efficiency: 14.8%

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



REPORT NUMBER: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-CV1-S

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	3.9	4.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
87.5°	3.9	4.0	4.1	4.1	4.1	4.0	3.9	3.9	3.9	3.9	3.9
85°	3.9	4.1	4.2	4.3	4.2	4.1	3.9	3.9	3.9	3.9	3.9
82.5°	3.9	4.1	4.4	4.5	4.4	4.2	3.9	3.9	3.9	4.0	3.9
80°	3.9	4.2	4.6	4.7	4.6	4.3	4.0	4.2	4.3	4.2	3.9
77.5°	3.9	4.3	4.7	4.8	4.8	4.5	4.5	4.6	4.6	4.4	4.0
75°	3.9	4.4	4.9	5.0	4.9	4.8	5.0	5.1	5.0	4.5	4.0
72.5°	3.9	4.5	5.0	5.2	5.1	5.1	5.4	5.5	5.0	4.6	4.1
70°	3.9	4.5	5.2	5.4	5.3	5.4	5.8	5.5	5.1	4.6	4.7
67.5°	3.9	4.6	5.4	5.5	5.4	5.7	5.8	5.6	5.1	5.1	5.4
65°	3.9	4.7	5.5	5.5	5.6	5.8	5.8	5.6	5.4	5.5	5.8
62.5°	3.9	4.8	5.7	5.6	5.7	5.8	5.8	5.7	5.6	5.9	6.0
60°	3.9	4.8	5.8	5.7	5.8	5.8	5.8	5.8	5.8	6.2	6.3
57.5°	3.9	4.9	5.8	5.7	5.8	5.8	5.9	5.8	6.2	6.6	6.6
55°	3.9	5.0	5.8	5.7	5.8	5.8	6.0	5.9	6.6	7.1	7.1
52.5°	3.9	5.1	5.8	5.8	5.8	5.8	6.2	6.4	7.2	7.6	7.6
50°	3.9	5.1	5.8	5.8	5.8	6.0	6.3	6.9	7.7	8.2	10.2
47.5°	3.9	5.2	5.8	5.8	5.8	6.2	6.6	7.5	8.4	8.9	12.8
45°	3.9	5.2	5.8	5.8	5.8	6.4	7.0	8.0	9.0	11.0	15.2
42.5°	3.9	5.3	5.8	5.8	5.8	6.6	7.5	8.5	9.6	12.8	19.6
40°	3.9	5.4	5.8	5.8	5.9	6.9	7.9	9.1	10.5	14.5	24.1
37.5°	3.9	5.4	5.8	5.8	6.1	7.1	8.3	9.5	11.8	16.6	28.5
35°	3.9	5.5	5.8	5.8	6.3	7.4	8.7	10.0	12.9	20.6	32.0
32.5°	3.9	5.5	5.8	5.8	6.5	7.8	9.1	10.5	14.0	24.5	35.2
30°	3.9	5.5	5.8	5.8	6.7	8.1	9.5	11.0	15.0	28.4	38.4
27.5°	3.9	5.6	5.8	5.8	6.8	8.4	9.9	11.8	16.7	32.3	41.8
25°	3.9	5.6	5.8	5.8	7.0	8.7	10.2	12.5	19.8	35.4	45.4
22.5°	3.9	5.7	5.8	5.8	7.1	8.9	10.5	13.2	22.7	38.2	51.7
20°	3.9	5.7	5.8	5.8	7.2	9.1	10.9	13.7	25.5	40.9	58.5
17.5°	3.9	5.7	5.8	5.8	7.3	9.2	11.2	14.2	28.2	43.6	65.7
15°	3.9	5.7	5.8	5.8	7.4	9.4	11.5	14.8	30.6	46.2	73.0
12.5°	3.9	5.8	5.8	5.8	7.5	9.5	11.9	15.6	33.4	48.7	80.4
10°	3.9	5.8	5.8	5.8	7.6	9.5	12.3	16.4	36.6	52.7	88.6
7.5°	3.9	5.8	5.8	5.8	7.6	9.6	12.6	17.3	39.5	56.8	98.8
5°	3.9	5.8	5.8	5.8	7.7	9.7	13.0	18.0	42.2	60.7	108.6
2.5°	3.9	5.8	5.8	5.8	7.7	9.7	13.3	18.7	44.5	64.4	117.7
0°	3.9	5.8	5.8	5.8	7.7	9.7	13.6	19.4	46.5	67.8	125.9
-2.5°	3.9	5.8	5.9	6.1	8.0	10.5	15.9	25.4	57.2	85.2	148.3
-5°	3.9	5.8	6.0	6.3	8.4	11.3	18.1	31.2	67.2	101.9	169.3
-7.5°	3.9	5.8	6.0	6.6	8.7	12.1	20.2	36.7	76.4	117.6	188.6
-10°	3.9	5.8	6.1	6.8	9.0	12.8	22.0	41.6	84.6	131.9	205.9
-12.5°	3.9	5.8	6.2	7.0	9.2	13.4	23.6	45.8	91.5	144.7	223.5
-15°	3.9	5.7	6.3	7.2	9.5	14.0	25.0	49.2	97.6	156.3	239.0
-17.5°	3.9	5.7	6.3	7.4	9.7	14.4	26.0	52.4	103.0	166.0	250.8
-20°	3.9	5.7	6.4	7.6	9.9	14.8	26.9	55.2	106.7	173.6	258.7



REPORT NUMBER: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.9	5.7	6.4	7.8	10.1	15.0	27.8	56.7	108.4	179.0	262.3
-25°	3.9	5.7	6.5	7.9	10.3	15.2	28.1	57.0	108.0	182.0	261.2
-27.5°	3.9	5.6	6.5	8.0	10.5	15.2	27.7	55.9	105.6	182.1	263.7
-30°	3.9	5.6	6.5	8.1	10.6	15.2	26.5	53.4	103.2	178.9	263.2
-32.5°	3.9	5.6	6.5	8.2	10.7	14.9	24.6	51.6	100.2	172.6	259.4
-35°	3.9	5.6	6.5	8.2	10.7	14.5	23.7	49.3	95.0	163.4	252.2
-37.5°	3.9	5.5	6.5	8.2	10.7	14.1	23.1	45.9	87.8	151.1	236.2
-40°	3.9	5.5	6.4	8.2	10.7	14.0	22.2	41.3	78.4	139.7	216.2
-42.5°	3.9	5.5	6.4	8.2	10.6	13.9	21.1	35.6	70.4	124.9	193.3
-45°	3.9	5.4	6.4	8.1	10.5	13.8	19.6	30.9	62.4	107.8	168.4
-47.5°	3.9	5.4	6.3	8.0	10.3	13.5	17.9	28.8	52.8	88.7	146.6
-50°	3.9	5.4	6.2	7.8	10.2	13.1	17.2	26.4	41.4	75.5	122.3
-52.5°	3.9	5.4	6.1	7.7	10.0	12.7	16.7	23.6	35.2	61.1	96.7
-55°	3.9	5.3	6.0	7.5	9.7	12.3	16.0	20.6	31.3	45.6	78.9
-57.5°	3.9	5.3	5.9	7.4	9.4	11.9	15.2	19.6	27.1	38.2	59.7
-60°	3.9	5.3	5.8	7.2	9.1	11.5	14.3	18.4	23.3	33.0	44.1
-62.5°	3.9	5.2	5.8	7.0	8.8	11.0	13.6	17.1	21.8	27.6	37.8
-65°	3.9	5.2	5.8	6.7	8.4	10.5	12.9	15.9	20.1	24.8	31.1
-67.5°	3.9	5.2	5.8	6.5	8.0	9.9	12.2	15.0	18.3	22.6	27.3
-70°	3.9	5.1	5.8	6.2	7.6	9.4	11.4	14.0	17.0	20.4	24.6
-72.5°	3.9	5.1	5.8	6.2	7.2	8.7	10.5	12.9	15.7	18.7	22.0
-75°	3.9	5.1	5.8	6.1	6.8	8.1	9.6	11.8	14.3	17.0	19.9
-77.5°	3.9	5.0	5.8	6.1	6.6	7.4	8.7	10.6	12.8	15.1	17.7
-80°	3.9	5.0	5.8	6.0	6.4	7.0	7.8	9.4	11.3	13.3	15.4
-82.5°	3.9	5.0	5.8	6.0	6.3	6.7	7.3	8.3	9.7	11.3	13.1
-85°	3.9	4.9	5.8	5.9	6.1	6.4	6.8	7.5	8.4	9.5	10.7
-87.5°	3.9	4.9	5.8	5.9	6.0	6.1	6.3	6.7	7.1	7.6	8.2
-90°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9





REPORT NUMBER: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6.3	6.8	7.2	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
87.5°	3.4	2.9	2.4	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	3.4	2.9	2.5	2.2	2.2	2.2	2.1	1.9	1.9	1.9	1.9
82.5°	3.6	3.4	3.3	3.3	3.2	2.9	2.5	2.2	2.2	2.2	2.1
80°	3.8	3.9	3.9	3.9	3.7	3.5	3.5	3.6	3.4	3.1	2.8
77.5°	3.9	3.9	3.9	3.9	3.9	4.1	4.4	4.8	4.8	4.6	4.4
75°	3.9	3.9	4.0	4.0	4.1	4.5	5.2	5.7	5.6	5.5	5.5
72.5°	4.2	4.4	4.4	4.1	4.5	5.1	5.6	5.8	6.9	8.5	9.6
70°	5.0	5.1	4.9	5.0	5.5	6.3	8.3	11.0	13.7	15.7	18.3
67.5°	5.7	5.5	5.5	6.0	7.4	9.6	12.7	19.5	27.1	30.1	31.6
65°	5.8	5.7	6.3	7.6	9.5	15.2	22.7	31.6	40.9	43.0	42.8
62.5°	5.8	6.1	7.1	10.0	15.5	22.6	32.4	42.3	52.1	50.5	44.6
60°	6.0	6.3	9.8	15.5	22.0	31.5	42.2	47.5	50.7	50.3	43.3
57.5°	6.2	8.5	14.4	21.7	30.9	39.1	42.6	45.8	47.6	49.2	40.8
55°	7.8	12.4	19.9	29.5	37.0	38.6	40.6	41.7	43.3	40.3	31.2
52.5°	11.4	16.9	26.6	35.1	38.4	38.0	36.1	36.3	33.6	29.3	24.8
50°	14.7	23.2	32.5	37.8	39.3	36.4	31.3	29.7	26.9	23.4	20.3
47.5°	19.7	29.4	36.0	40.4	39.5	35.4	29.3	25.7	22.8	21.9	18.8
45°	25.2	33.7	40.0	41.9	39.9	34.6	29.7	23.1	24.6	24.4	24.1
42.5°	30.4	37.3	42.7	44.2	39.8	36.3	32.0	30.5	30.3	34.2	36.8
40°	33.8	40.8	45.8	46.2	41.4	40.5	43.5	45.4	43.6	50.1	55.7
37.5°	36.8	44.3	50.5	52.8	46.8	51.6	58.9	79.3	81.2	69.5	89.1
35°	39.6	48.5	60.1	69.1	68.8	69.2	100.5	131.5	146.0	127.7	144.7
32.5°	43.2	53.3	73.2	96.7	116.2	119.3	153.2	216.3	245.9	247.1	244.8
30°	48.3	65.8	93.7	132.4	181.7	229.5	255.3	324.7	372.2	453.6	515.3
27.5°	55.3	81.8	128.1	192.8	270.6	365.3	423.0	463.1	580.4	732.7	896.9
25°	63.4	114.2	168.0	270.3	402.3	522.8	596.4	644.5	849.4	1151.5	1362.8
22.5°	81.0	155.9	226.2	358.4	551.2	686.5	764.2	919.6	1237.2	1642.8	1893.0
20°	111.5	206.9	294.6	438.7	703.4	854.2	927.8	1236.0	1726.4	2142.3	2486.9
17.5°	146.6	258.4	362.5	532.7	789.0	983.3	1108.3	1574.8	2247.5	2621.0	3015.8
15°	185.2	309.7	422.9	616.3	871.5	1059.7	1330.0	1983.2	2724.1	3080.8	3488.1
12.5°	226.1	360.4	476.5	689.6	952.7	1130.3	1528.5	2274.5	2970.2	3453.2	3981.5
10°	267.8	410.0	523.7	752.8	1031.1	1195.2	1714.9	2517.3	3100.3	3554.5	4171.1
7.5°	293.7	444.0	562.3	806.3	1104.9	1254.5	1885.2	2713.3	3192.6	3614.5	4196.9
5°	312.4	460.5	581.4	842.8	1156.3	1301.7	2024.1	2864.5	3252.6	3638.4	4151.0
2.5°	326.2	473.3	597.5	870.1	1187.9	1334.2	2089.3	2922.6	3292.4	3667.8	4157.8
0°	335.2	482.4	610.3	889.2	1208.9	1362.0	2123.3	2942.8	3316.8	3692.6	4227.3
-2.5°	347.1	495.6	630.6	908.7	1214.2	1368.2	2128.3	2934.9	3330.8	3752.0	4302.5
-5°	354.9	505.2	646.9	919.7	1210.4	1369.0	2101.6	2893.0	3310.6	3737.4	4273.5
-7.5°	359.5	511.0	658.6	920.6	1189.6	1348.3	2010.4	2761.2	3196.9	3597.5	4124.4
-10°	363.4	519.3	669.5	905.0	1149.6	1312.2	1881.8	2604.7	3070.8	3439.7	3934.5
-12.5°	375.5	530.5	677.7	886.1	1108.5	1271.5	1724.5	2428.4	2934.7	3266.4	3729.8
-15°	384.1	539.6	682.5	865.4	1068.7	1226.5	1539.5	2236.1	2831.0	3203.6	3600.8
-17.5°	389.1	546.9	684.3	844.5	1032.4	1177.5	1336.3	2057.8	2748.4	3169.5	3536.3
-20°	390.6	552.8	683.1	824.7	1000.5	1148.3	1291.2	1841.3	2546.5	3115.3	3479.3



REPORT NUMBER: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	388.7	557.6	681.4	815.6	979.9	1135.3	1273.9	1602.0	2279.9	3037.1	3406.4
-25°	387.5	550.9	681.0	802.9	956.6	1119.4	1256.0	1378.3	1980.2	2736.3	3308.4
-27.5°	385.1	540.7	667.3	782.7	927.5	1097.2	1235.0	1355.6	1704.0	2394.5	3154.4
-30°	376.4	513.2	648.5	757.4	898.1	1059.6	1211.2	1339.0	1469.2	2045.6	2754.5
-32.5°	357.0	483.1	617.5	732.9	861.5	1016.0	1177.4	1309.7	1441.9	1653.4	2325.8
-35°	336.3	454.7	581.4	702.4	817.2	965.9	1120.1	1270.4	1402.0	1540.4	1868.5
-37.5°	320.4	423.6	543.7	664.3	778.3	908.9	1056.5	1208.6	1350.4	1493.2	1654.7
-40°	301.2	389.8	506.0	621.6	735.4	853.4	989.5	1133.3	1281.9	1446.3	1597.8
-42.5°	278.3	364.6	466.4	577.7	688.1	801.2	918.8	1054.9	1210.2	1384.2	1544.4
-45°	249.5	335.9	425.7	530.1	636.8	744.6	856.3	974.2	1129.9	1296.0	1466.4
-47.5°	217.3	302.6	389.3	478.4	580.9	684.9	789.3	908.3	1039.9	1194.4	1360.0
-50°	183.9	262.8	347.5	429.9	520.3	620.1	720.8	835.6	959.6	1088.3	1233.3
-52.5°	153.4	219.4	298.5	380.2	461.4	549.9	648.3	755.3	870.2	992.6	1112.0
-55°	120.2	179.3	244.9	322.8	402.9	481.8	566.3	664.4	770.1	882.0	993.7
-57.5°	93.4	137.7	194.2	259.2	335.0	413.6	488.7	567.0	659.5	759.8	857.5
-60°	70.1	101.7	144.5	199.5	260.5	333.0	407.9	480.3	553.7	627.8	714.2
-62.5°	48.6	73.2	102.9	140.9	193.2	249.8	315.5	384.4	454.5	518.2	581.3
-65°	40.8	49.1	69.5	97.3	126.7	174.6	227.1	282.2	343.7	398.7	455.4
-67.5°	32.6	40.2	47.6	58.6	84.0	111.7	141.5	188.0	235.9	275.5	316.1
-70°	28.5	31.8	37.9	44.4	50.8	62.0	86.3	112.2	138.0	163.8	197.0
-72.5°	25.0	27.9	30.9	34.1	39.4	44.8	50.2	55.7	70.2	89.9	108.1
-75°	22.0	23.9	26.3	29.0	31.6	34.0	36.7	41.2	45.7	50.3	54.8
-77.5°	19.2	20.6	22.2	23.9	25.8	28.0	30.0	32.0	33.9	35.7	37.6
-80°	16.5	17.4	18.4	19.6	20.9	22.3	23.8	25.3	26.5	27.7	28.9
-82.5°	13.8	14.5	15.1	15.8	16.4	17.0	17.6	18.5	19.4	20.3	21.1
-85°	11.2	11.6	12.0	12.4	12.9	13.3	13.6	14.0	14.3	14.7	15.0
-87.5°	8.7	9.2	9.6	9.9	10.1	10.2	10.3	10.5	10.6	10.7	10.8
-90°	3.4	2.9	2.4	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9



REPORT NUMBER: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	7.7	8.2	8.7	9.2	9.7	9.7	9.7	9.7	9.7	9.7	9.7
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.4	1.0
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	2.5	2.5	2.4	2.2	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	4.2	3.9	3.6	3.4	3.1	2.9	2.7	2.3	2.0	1.9	1.9
75°	5.6	5.7	5.8	5.5	5.0	4.6	4.3	3.9	3.6	3.6	3.7
72.5°	10.2	10.2	9.8	9.8	9.2	8.9	9.0	8.8	8.5	8.7	9.1
70°	19.8	20.3	20.0	18.7	16.6	15.1	14.3	13.1	11.7	11.5	12.1
67.5°	31.2	29.8	28.1	25.7	22.3	19.3	17.8	16.4	15.0	14.7	15.1
65°	39.7	33.7	29.6	26.2	23.4	20.7	18.8	17.0	15.1	14.1	13.9
62.5°	38.4	31.5	27.0	23.9	21.3	19.0	16.7	14.5	12.3	10.9	11.0
60°	36.0	28.4	22.5	19.6	17.3	15.6	13.6	11.8	10.5	9.7	9.8
57.5°	30.6	22.4	17.1	15.8	14.2	12.4	11.1	10.4	9.9	9.7	9.7
55°	23.6	18.9	15.8	14.1	12.4	10.8	9.8	10.0	10.0	9.7	10.1
52.5°	19.5	16.7	14.6	12.9	12.2	11.7	11.5	11.5	11.7	12.0	12.3
50°	17.4	15.5	14.6	13.4	13.4	13.4	13.4	14.0	14.6	14.8	14.6
47.5°	17.6	16.9	17.7	15.4	15.8	17.3	17.3	17.5	18.7	19.1	19.0
45°	22.2	26.8	26.8	24.7	23.4	28.6	28.9	26.2	40.2	39.4	29.8
42.5°	39.5	42.2	42.4	44.7	49.6	65.1	94.0	120.1	124.1	109.1	74.8
40°	63.9	61.7	66.6	79.9	118.4	153.6	180.2	259.7	259.0	202.7	204.2
37.5°	104.0	101.6	109.0	149.5	162.0	140.0	197.2	202.7	173.6	206.9	209.8
35°	179.0	202.9	176.9	219.6	221.7	198.2	212.8	237.5	202.5	242.3	259.6
32.5°	326.3	368.6	372.6	369.2	391.2	412.7	400.1	460.1	470.9	510.7	554.5
30°	530.1	611.4	673.5	661.6	698.1	762.1	783.1	874.7	966.0	1022.7	1161.4
27.5°	923.8	964.8	1092.2	1181.9	1161.1	1265.8	1473.4	1537.6	1799.5	1924.9	2105.5
25°	1462.8	1535.6	1717.2	1930.0	2021.2	2196.5	2533.8	2695.2	3039.2	3214.9	3877.1
22.5°	2130.6	2377.4	2605.2	2891.1	3301.6	3650.1	4025.1	4655.4	5679.3	7150.6	8906.9
20°	2893.1	3306.8	3651.1	4179.5	4859.8	5515.4	6485.4	9282.1	12252.4	18447.9	22657.3
17.5°	3614.5	4271.1	4752.3	5454.0	6458.9	8099.9	11441.3	17692.5	27517.2	39518.9	50975.4
15°	4177.4	4848.5	5740.5	6799.5	8334.4	11545.9	17649.2	30005.4	48736.9	67024.9	86267.0
12.5°	4653.1	5362.8	6340.4	7775.2	10070.8	15843.2	26816.9	45430.0	70122.8	97348.0	126113.9
10°	4959.2	5821.1	6991.9	8886.8	12701.6	20902.5	35168.9	60110.8	93302.0	128847.1	160819.7
7.5°	5013.1	6064.8	7547.9	9852.7	15312.0	26180.3	45102.7	74443.8	110795.1	150829.0	191096.1
5°	5034.6	6291.7	8017.8	10611.5	17105.2	29998.0	50825.3	83626.6	123989.7	165105.1	208442.0
2.5°	5092.0	6514.5	8362.6	11142.3	18139.8	32274.6	54132.3	90204.2	132787.1	177433.5	225751.6
0°	5211.5	6747.8	8437.2	11232.8	18356.4	32322.8	56039.9	93973.3	138524.7	183632.2	234030.5
-2.5°	5276.3	6717.9	8374.3	11048.3	18077.0	32328.0	54206.6	91351.0	135532.7	179543.1	230330.2
-5°	5165.1	6417.9	7986.8	10491.3	16854.1	29742.7	50564.8	84580.1	125359.6	164929.8	205769.4
-7.5°	4926.2	5995.8	7436.1	9700.6	14957.7	25735.4	43982.1	71913.2	106541.5	140942.1	172759.6
-10°	4648.0	5548.4	6729.7	8552.6	12278.0	20348.8	34413.7	56390.6	86134.4	115666.0	142517.1
-12.5°	4347.8	5049.0	5923.6	7184.5	9503.6	15364.6	26081.2	42925.3	63492.2	85770.2	110159.4
-15°	4091.2	4608.2	5271.1	6344.9	8114.0	11446.4	17507.1	28716.2	43464.2	60929.0	78907.5
-17.5°	3918.7	4303.1	4880.5	5699.5	6786.9	8766.3	13152.8	19798.5	29287.8	42359.1	54232.9
-20°	3794.9	4156.4	4614.6	5259.5	6170.2	7565.8	9712.1	14292.6	20536.9	29009.1	37068.8



REPORT NUMBER: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3706.6	4031.9	4419.1	4938.0	5751.4	6841.9	8212.0	10435.1	14367.5	19363.6	24966.8
-25°	3619.7	3889.5	4316.6	4874.6	5433.6	6214.0	7160.8	8252.4	10347.3	12568.6	16008.0
-27.5°	3520.3	3854.1	4331.3	4852.5	5356.2	5743.6	6415.7	7168.5	8277.8	9351.7	11118.7
-30°	3447.9	3874.7	4349.5	4850.5	5238.6	5580.9	5956.8	6532.2	7249.9	8008.9	8821.2
-32.5°	3087.6	3811.3	4298.5	4747.7	5068.7	5386.8	5719.8	6118.9	6577.8	7058.6	7552.0
-35°	2604.7	3375.5	4131.3	4483.4	4808.7	5129.6	5476.9	5800.2	6124.0	6449.1	6758.9
-37.5°	2012.8	2768.1	3482.2	4097.4	4470.9	4797.6	5167.8	5499.7	5783.6	6028.0	6266.4
-40°	1758.3	2022.1	2712.9	3360.4	3904.0	4421.7	4770.6	5138.2	5454.9	5680.3	5882.8
-42.5°	1688.3	1836.9	1990.0	2486.7	3086.8	3618.9	4092.2	4552.0	4987.3	5300.7	5541.6
-45°	1627.6	1753.3	1884.5	2031.0	2177.3	2643.7	3135.9	3631.2	4143.5	4602.1	4973.4
-47.5°	1515.1	1667.4	1796.6	1917.7	2034.1	2166.8	2304.0	2501.3	2950.8	3409.7	3827.9
-50°	1376.2	1518.9	1662.9	1806.2	1914.0	2015.9	2120.1	2237.8	2368.8	2502.5	2615.3
-52.5°	1225.0	1356.2	1489.1	1615.5	1736.2	1853.4	1967.9	2071.7	2169.3	2263.5	2318.9
-55°	1102.1	1207.1	1311.9	1420.2	1530.2	1637.5	1743.9	1851.2	1954.6	2053.3	2108.4
-57.5°	958.8	1063.4	1163.7	1246.3	1331.6	1418.8	1509.9	1602.3	1692.9	1777.3	1824.8
-60°	803.1	893.9	980.7	1060.9	1139.9	1217.2	1291.9	1365.2	1435.7	1496.9	1534.2
-62.5°	646.5	720.5	792.4	860.6	927.0	992.1	1061.9	1128.2	1190.5	1240.9	1271.9
-65°	512.9	569.3	619.4	668.5	716.9	772.6	832.1	888.4	941.1	982.2	1009.4
-67.5°	363.3	411.8	457.6	501.4	541.6	581.3	623.6	664.9	704.7	735.5	757.3
-70°	228.9	259.5	289.8	322.1	357.3	392.2	427.0	459.1	488.4	510.5	527.1
-72.5°	124.8	139.5	154.9	177.8	199.8	223.1	247.1	269.7	290.9	305.7	316.7
-75°	59.2	65.8	77.7	88.3	97.7	108.0	118.4	128.0	136.7	141.3	143.8
-77.5°	40.5	43.8	46.8	49.5	51.8	54.9	58.2	61.5	64.8	66.9	68.6
-80°	30.2	31.5	32.9	34.2	35.5	36.9	38.3	39.5	40.7	41.8	42.7
-82.5°	21.8	22.5	23.2	23.8	24.4	25.3	26.3	27.2	28.1	28.8	29.5
-85°	15.3	15.7	16.1	16.4	16.7	17.2	17.8	18.4	19.0	19.1	19.2
-87.5°	10.9	11.5	12.1	12.7	13.2	13.3	13.4	13.4	13.5	13.5	13.5
-90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.4	1.0



REPORT NUMBER: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	9.7	9.7	10.7	11.6	10.7	9.7	9.7	9.7	9.7	9.7	9.7
87.5°	0.5	0.0	0.9	1.9	0.9	0.0	0.5	1.0	1.4	1.9	1.9
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	2.9	3.9	2.9	1.9	1.9	1.9	1.9	2.0	2.3
75°	3.8	3.9	3.9	3.9	3.9	3.9	3.8	3.7	3.6	3.6	3.9
72.5°	9.3	9.5	9.7	9.7	9.7	9.5	9.3	9.1	8.7	8.5	8.8
70°	12.8	13.4	13.6	13.6	13.6	13.4	12.8	12.1	11.5	11.7	13.1
67.5°	15.3	15.4	15.5	15.5	15.5	15.4	15.3	15.1	14.7	15.0	16.4
65°	13.8	13.7	12.7	11.6	12.7	13.7	13.8	13.9	14.1	15.1	17.0
62.5°	11.2	11.6	11.6	11.6	11.6	11.6	11.2	11.0	10.9	12.3	14.5
60°	9.8	9.8	9.7	9.7	9.7	9.8	9.8	9.8	9.7	10.5	11.8
57.5°	9.7	9.7	10.5	11.6	10.5	9.7	9.7	9.7	9.7	9.9	10.4
55°	10.7	11.3	11.6	11.6	11.6	11.3	10.7	10.1	9.7	10.0	10.0
52.5°	12.2	11.8	11.6	11.6	11.6	11.8	12.2	12.3	12.0	11.7	11.5
50°	14.2	13.7	13.6	13.6	13.6	13.7	14.2	14.6	14.8	14.6	14.0
47.5°	18.5	17.8	17.3	17.4	17.3	17.8	18.5	19.0	19.1	18.7	17.5
45°	30.5	30.6	30.7	31.0	30.7	30.6	30.5	29.8	39.4	40.2	26.2
42.5°	71.8	62.1	53.6	54.2	53.6	62.1	71.8	74.8	109.1	124.1	120.1
40°	184.0	137.7	91.6	77.5	91.6	137.7	184.0	204.2	202.7	259.0	259.7
37.5°	189.5	193.3	227.4	306.1	227.4	193.3	189.5	209.8	206.9	173.6	202.7
35°	264.9	268.9	259.5	253.8	259.5	268.9	264.9	259.6	242.3	202.5	237.5
32.5°	563.3	588.2	585.1	569.6	585.1	588.2	563.3	554.5	510.7	470.9	460.1
30°	1213.1	1276.6	1269.8	1282.5	1269.8	1276.6	1213.1	1161.4	1022.7	966.0	874.7
27.5°	2177.2	2255.6	2269.9	2253.1	2269.9	2255.6	2177.2	2105.5	1924.9	1799.5	1537.6
25°	4321.8	4445.8	4400.5	4341.6	4400.5	4445.8	4321.8	3877.1	3214.9	3039.2	2695.2
22.5°	10960.3	11451.1	11400.6	10986.7	11400.6	11451.1	10960.3	8906.9	7150.6	5679.3	4655.4
20°	30112.4	33352.6	34762.8	32851.7	34762.8	33352.6	30112.4	22657.3	18447.9	12252.4	9282.1
17.5°	63737.1	73609.5	80629.0	83558.1	80629.0	73609.5	63737.1	50975.4	39518.9	27517.2	17692.5
15°	104257.5	119118.6	127761.5	126600.3	127761.5	119118.6	104257.5	86267.0	67024.9	48736.9	30005.4
12.5°	149917.3	167531.2	182128.5	182437.8	182128.5	167531.2	149917.3	126113.9	97348.0	70122.8	45430.0
10°	194081.9	218528.4	238451.9	242312.7	238451.9	218528.4	194081.9	160819.7	128847.1	93302.0	60110.8
7.5°	227215.3	264691.4	289701.0	298865.1	289701.0	264691.4	227215.3	191096.1	150829.0	110795.1	74443.8
5°	259959.0	299228.0	324711.3	329232.1	324711.3	299228.0	259959.0	208442.0	165105.1	123989.7	83626.6
2.5°	282044.1	321655.9	343956.1	359423.9	343956.1	321655.9	282044.1	225751.6	177433.5	132787.1	90204.2
0°	294980.6	327256.0	364155.8	381300.5	364155.8	327256.0	294980.6	234030.5	183632.2	138524.7	93973.3
-2.5°	285199.5	321508.6	342634.4	362116.8	342634.4	321508.6	285199.5	230330.2	179543.1	135532.7	91351.0
-5°	252805.4	292293.4	310957.0	313392.3	310957.0	292293.4	252805.4	205769.4	164929.8	125359.6	84580.1
-7.5°	206571.8	243338.2	261257.2	271149.2	261257.2	243338.2	206571.8	172759.6	140942.1	106541.5	71913.2
-10°	167221.8	188678.1	200741.0	201535.3	200741.0	188678.1	167221.8	142517.1	115666.0	86134.4	56390.6
-12.5°	129104.0	143496.1	150630.6	150369.8	150630.6	143496.1	129104.0	110159.4	85770.2	63492.2	42925.3
-15°	94738.8	105920.0	112355.4	115441.2	112355.4	105920.0	94738.8	78907.5	60929.0	43464.2	28716.2
-17.5°	66869.8	75752.3	82200.7	84805.8	82200.7	75752.3	66869.8	54232.9	42359.1	29287.8	19798.5
-20°	45587.3	51674.9	55858.5	57634.4	55858.5	51674.9	45587.3	37068.8	29009.1	20536.9	14292.6



REPORT NUMBER: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	30027.8	34108.9	36977.3	36823.3	36977.3	34108.9	30027.8	24966.8	19363.6	14367.5	10435.1
-25°	19142.3	21386.2	22859.6	22979.0	22859.6	21386.2	19142.3	16008.0	12568.6	10347.3	8252.4
-27.5°	12669.6	13656.1	14250.6	14353.9	14250.6	13656.1	12669.6	11118.7	9351.7	8277.8	7168.5
-30°	9589.2	10043.1	10383.0	10368.7	10383.0	10043.1	9589.2	8821.2	8008.9	7249.9	6532.2
-32.5°	7971.8	8195.2	8344.1	8464.3	8344.1	8195.2	7971.8	7552.0	7058.6	6577.8	6118.9
-35°	6971.5	7085.2	7168.2	7243.8	7168.2	7085.2	6971.5	6758.9	6449.1	6124.0	5800.2
-37.5°	6403.6	6482.3	6534.5	6552.1	6534.5	6482.3	6403.6	6266.4	6028.0	5783.6	5499.7
-40°	5960.1	6004.5	6030.8	6046.5	6030.8	6004.5	5960.1	5882.8	5680.3	5454.9	5138.2
-42.5°	5627.4	5688.2	5719.7	5719.1	5719.7	5688.2	5627.4	5541.6	5300.7	4987.3	4552.0
-45°	5186.3	5340.2	5433.4	5473.0	5433.4	5340.2	5186.3	4973.4	4602.1	4143.5	3631.2
-47.5°	4170.8	4462.9	4667.9	4775.6	4667.9	4462.9	4170.8	3827.9	3409.7	2950.8	2501.3
-50°	2716.6	2814.3	2855.4	2838.2	2855.4	2814.3	2716.6	2615.3	2502.5	2368.8	2237.8
-52.5°	2359.9	2395.0	2416.2	2425.6	2416.2	2395.0	2359.9	2318.9	2263.5	2169.3	2071.7
-55°	2154.9	2193.8	2218.9	2231.8	2218.9	2193.8	2154.9	2108.4	2053.3	1954.6	1851.2
-57.5°	1864.3	1895.7	1914.9	1923.8	1914.9	1895.7	1864.3	1824.8	1777.3	1692.9	1602.3
-60°	1565.9	1591.6	1608.6	1617.7	1608.6	1591.6	1565.9	1534.2	1496.9	1435.7	1365.2
-62.5°	1296.9	1315.9	1332.7	1344.5	1332.7	1315.9	1296.9	1271.9	1240.9	1190.5	1128.2
-65°	1031.5	1048.4	1060.5	1067.5	1060.5	1048.4	1031.5	1009.4	982.2	941.1	888.4
-67.5°	775.2	789.1	800.5	807.9	800.5	789.1	775.2	757.3	735.5	704.7	664.9
-70°	540.6	550.8	560.7	567.6	560.7	550.8	540.6	527.1	510.5	488.4	459.1
-72.5°	325.5	331.9	334.9	335.2	334.9	331.9	325.5	316.7	305.7	290.9	269.7
-75°	145.2	145.6	148.6	151.1	148.6	145.6	145.2	143.8	141.3	136.7	128.0
-77.5°	70.0	71.2	72.5	73.6	72.5	71.2	70.0	68.6	66.9	64.8	61.5
-80°	43.6	44.4	44.5	44.6	44.5	44.4	43.6	42.7	41.8	40.7	39.5
-82.5°	30.2	30.9	31.0	31.0	31.0	30.9	30.2	29.5	28.8	28.1	27.2
-85°	19.3	19.4	19.4	19.4	19.4	19.4	19.3	19.2	19.1	19.0	18.4
-87.5°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.5	13.5	13.5	13.4
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.4	1.9	1.9



REPORT NUMBER: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	9.7	9.7	9.7	9.2	8.7	8.2	7.7	7.7	7.7	7.7	7.7
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.1	2.2	2.2	2.2
80°	1.9	1.9	1.9	2.2	2.4	2.5	2.5	2.8	3.1	3.4	3.6
77.5°	2.7	2.9	3.1	3.4	3.6	3.9	4.2	4.4	4.6	4.8	4.8
75°	4.3	4.6	5.0	5.5	5.8	5.7	5.6	5.5	5.5	5.6	5.7
72.5°	9.0	8.9	9.2	9.8	9.8	10.2	10.2	9.6	8.5	6.9	5.8
70°	14.3	15.1	16.6	18.7	20.0	20.3	19.8	18.3	15.7	13.7	11.0
67.5°	17.8	19.3	22.3	25.7	28.1	29.8	31.2	31.6	30.1	27.1	19.5
65°	18.8	20.7	23.4	26.2	29.6	33.7	39.7	42.8	43.0	40.9	31.6
62.5°	16.7	19.0	21.3	23.9	27.0	31.5	38.4	44.6	50.5	52.1	42.3
60°	13.6	15.6	17.3	19.6	22.5	28.4	36.0	43.3	50.3	50.7	47.5
57.5°	11.1	12.4	14.2	15.8	17.1	22.4	30.6	40.8	49.2	47.6	45.8
55°	9.8	10.8	12.4	14.1	15.8	18.9	23.6	31.2	40.3	43.3	41.7
52.5°	11.5	11.7	12.2	12.9	14.6	16.7	19.5	24.8	29.3	33.6	36.3
50°	13.4	13.4	13.4	13.4	14.6	15.5	17.4	20.3	23.4	26.9	29.7
47.5°	17.3	17.3	15.8	15.4	17.7	16.9	17.6	18.8	21.9	22.8	25.7
45°	28.9	28.6	23.4	24.7	26.8	26.8	22.2	24.1	24.4	24.6	23.1
42.5°	94.0	65.1	49.6	44.7	42.4	42.2	39.5	36.8	34.2	30.3	30.5
40°	180.2	153.6	118.4	79.9	66.6	61.7	63.9	55.7	50.1	43.6	45.4
37.5°	197.2	140.0	162.0	149.5	109.0	101.6	104.0	89.1	69.5	81.2	79.3
35°	212.8	198.2	221.7	219.6	176.9	202.9	179.0	144.7	127.7	146.0	131.5
32.5°	400.1	412.7	391.2	369.2	372.6	368.6	326.3	244.8	247.1	245.9	216.3
30°	783.1	762.1	698.1	661.6	673.5	611.4	530.1	515.3	453.6	372.2	324.7
27.5°	1473.4	1265.8	1161.1	1181.9	1092.2	964.8	923.8	896.9	732.7	580.4	463.1
25°	2533.8	2196.5	2021.2	1930.0	1717.2	1535.6	1462.8	1362.8	1151.5	849.4	644.5
22.5°	4025.1	3650.1	3301.6	2891.1	2605.2	2377.4	2130.6	1893.0	1642.8	1237.2	919.6
20°	6485.4	5515.4	4859.8	4179.5	3651.1	3306.8	2893.1	2486.9	2142.3	1726.4	1236.0
17.5°	11441.3	8099.9	6458.9	5454.0	4752.3	4271.1	3614.5	3015.8	2621.0	2247.5	1574.8
15°	17649.2	11545.9	8334.4	6799.5	5740.5	4848.5	4177.4	3488.1	3080.8	2724.1	1983.2
12.5°	26816.9	15843.2	10070.8	7775.2	6340.4	5362.8	4653.1	3981.5	3453.2	2970.2	2274.5
10°	35168.9	20902.5	12701.6	8886.8	6991.9	5821.1	4959.2	4171.1	3554.5	3100.3	2517.3
7.5°	45102.7	26180.3	15312.0	9852.7	7547.9	6064.8	5013.1	4196.9	3614.5	3192.6	2713.3
5°	50825.3	29998.0	17105.2	10611.5	8017.8	6291.7	5034.6	4151.0	3638.4	3252.6	2864.5
2.5°	54132.3	32274.6	18139.8	11142.3	8362.6	6514.5	5092.0	4157.8	3667.8	3292.4	2922.6
0°	56039.9	32322.8	18356.4	11232.8	8437.2	6747.8	5211.5	4227.3	3692.6	3316.8	2942.8
-2.5°	54206.6	32328.0	18077.0	11048.3	8374.3	6717.9	5276.3	4302.5	3752.0	3330.8	2934.9
-5°	50564.8	29742.7	16854.1	10491.3	7986.8	6417.9	5165.1	4273.5	3737.4	3310.6	2893.0
-7.5°	43982.1	25735.4	14957.7	9700.6	7436.1	5995.8	4926.2	4124.4	3597.5	3196.9	2761.2
-10°	34413.7	20348.8	12278.0	8552.6	6729.7	5548.4	4648.0	3934.5	3439.7	3070.8	2604.7
-12.5°	26081.2	15364.6	9503.6	7184.5	5923.6	5049.0	4347.8	3729.8	3266.4	2934.7	2428.4
-15°	17507.1	11446.4	8114.0	6344.9	5271.1	4608.2	4091.2	3600.8	3203.6	2831.0	2236.1
-17.5°	13152.8	8766.3	6786.9	5699.5	4880.5	4303.1	3918.7	3536.3	3169.5	2748.4	2057.8
-20°	9712.1	7565.8	6170.2	5259.5	4614.6	4156.4	3794.9	3479.3	3115.3	2546.5	1841.3



REPORT NUMBER: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8212.0	6841.9	5751.4	4938.0	4419.1	4031.9	3706.6	3406.4	3037.1	2279.9	1602.0
-25°	7160.8	6214.0	5433.6	4874.6	4316.6	3889.5	3619.7	3308.4	2736.3	1980.2	1378.3
-27.5°	6415.7	5743.6	5356.2	4852.5	4331.3	3854.1	3520.3	3154.4	2394.5	1704.0	1355.6
-30°	5956.8	5580.9	5238.6	4850.5	4349.5	3874.7	3447.9	2754.5	2045.6	1469.2	1339.0
-32.5°	5719.8	5386.8	5068.7	4747.7	4298.5	3811.3	3087.6	2325.8	1653.4	1441.9	1309.7
-35°	5476.9	5129.6	4808.7	4483.4	4131.3	3375.5	2604.7	1868.5	1540.4	1402.0	1270.4
-37.5°	5167.8	4797.6	4470.9	4097.4	3482.2	2768.1	2012.8	1654.7	1493.2	1350.4	1208.6
-40°	4770.6	4421.7	3904.0	3360.4	2712.9	2022.1	1758.3	1597.8	1446.3	1281.9	1133.3
-42.5°	4092.2	3618.9	3086.8	2486.7	1990.0	1836.9	1688.3	1544.4	1384.2	1210.2	1054.9
-45°	3135.9	2643.7	2177.3	2031.0	1884.5	1753.3	1627.6	1466.4	1296.0	1129.9	974.2
-47.5°	2304.0	2166.8	2034.1	1917.7	1796.6	1667.4	1515.1	1360.0	1194.4	1039.9	908.3
-50°	2120.1	2015.9	1914.0	1806.2	1662.9	1518.9	1376.2	1233.3	1088.3	959.6	835.6
-52.5°	1967.9	1853.4	1736.2	1615.5	1489.1	1356.2	1225.0	1112.0	992.6	870.2	755.3
-55°	1743.9	1637.5	1530.2	1420.2	1311.9	1207.1	1102.1	993.7	882.0	770.1	664.4
-57.5°	1509.9	1418.8	1331.6	1246.3	1163.7	1063.4	958.8	857.5	759.8	659.5	567.0
-60°	1291.9	1217.2	1139.9	1060.9	980.7	893.9	803.1	714.2	627.8	553.7	480.3
-62.5°	1061.9	992.1	927.0	860.6	792.4	720.5	646.5	581.3	518.2	454.5	384.4
-65°	832.1	772.6	716.9	668.5	619.4	569.3	512.9	455.4	398.7	343.7	282.2
-67.5°	623.6	581.3	541.6	501.4	457.6	411.8	363.3	316.1	275.5	235.9	188.0
-70°	427.0	392.2	357.3	322.1	289.8	259.5	228.9	197.0	163.8	138.0	112.2
-72.5°	247.1	223.1	199.8	177.8	154.9	139.5	124.8	108.1	89.9	70.2	55.7
-75°	118.4	108.0	97.7	88.3	77.7	65.8	59.2	54.8	50.3	45.7	41.2
-77.5°	58.2	54.9	51.8	49.5	46.8	43.8	40.5	37.6	35.7	33.9	32.0
-80°	38.3	36.9	35.5	34.2	32.9	31.5	30.2	28.9	27.7	26.5	25.3
-82.5°	26.3	25.3	24.4	23.8	23.2	22.5	21.8	21.1	20.3	19.4	18.5
-85°	17.8	17.2	16.7	16.4	16.1	15.7	15.3	15.0	14.7	14.3	14.0
-87.5°	13.4	13.3	13.2	12.7	12.1	11.5	10.9	10.8	10.7	10.6	10.5
-90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9





REPORT NUMBER: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	7.7	7.7	7.7	7.7	7.2	6.8	6.3	5.8	5.8	5.8	5.8
87.5°	1.9	1.9	1.9	1.9	2.4	2.9	3.4	3.9	3.9	3.9	3.9
85°	2.1	2.2	2.2	2.2	2.5	2.9	3.4	3.9	3.9	3.9	3.9
82.5°	2.5	2.9	3.2	3.3	3.3	3.4	3.6	3.9	4.0	3.9	3.9
80°	3.5	3.5	3.7	3.9	3.9	3.9	3.8	3.9	4.2	4.3	4.2
77.5°	4.4	4.1	3.9	3.9	3.9	3.9	3.9	4.0	4.4	4.6	4.6
75°	5.2	4.5	4.1	4.0	4.0	3.9	3.9	4.0	4.5	5.0	5.1
72.5°	5.6	5.1	4.5	4.1	4.4	4.4	4.2	4.1	4.6	5.0	5.5
70°	8.3	6.3	5.5	5.0	4.9	5.1	5.0	4.7	4.6	5.1	5.5
67.5°	12.7	9.6	7.4	6.0	5.5	5.5	5.7	5.4	5.1	5.1	5.6
65°	22.7	15.2	9.5	7.6	6.3	5.7	5.8	5.8	5.5	5.4	5.6
62.5°	32.4	22.6	15.5	10.0	7.1	6.1	5.8	6.0	5.9	5.6	5.7
60°	42.2	31.5	22.0	15.5	9.8	6.3	6.0	6.3	6.2	5.8	5.8
57.5°	42.6	39.1	30.9	21.7	14.4	8.5	6.2	6.6	6.6	6.2	5.8
55°	40.6	38.6	37.0	29.5	19.9	12.4	7.8	7.1	7.1	6.6	5.9
52.5°	36.1	38.0	38.4	35.1	26.6	16.9	11.4	7.6	7.6	7.2	6.4
50°	31.3	36.4	39.3	37.8	32.5	23.2	14.7	10.2	8.2	7.7	6.9
47.5°	29.3	35.4	39.5	40.4	36.0	29.4	19.7	12.8	8.9	8.4	7.5
45°	29.7	34.6	39.9	41.9	40.0	33.7	25.2	15.2	11.0	9.0	8.0
42.5°	32.0	36.3	39.8	44.2	42.7	37.3	30.4	19.6	12.8	9.6	8.5
40°	43.5	40.5	41.4	46.2	45.8	40.8	33.8	24.1	14.5	10.5	9.1
37.5°	58.9	51.6	46.8	52.8	50.5	44.3	36.8	28.5	16.6	11.8	9.5
35°	100.5	69.2	68.8	69.1	60.1	48.5	39.6	32.0	20.6	12.9	10.0
32.5°	153.2	119.3	116.2	96.7	73.2	53.3	43.2	35.2	24.5	14.0	10.5
30°	255.3	229.5	181.7	132.4	93.7	65.8	48.3	38.4	28.4	15.0	11.0
27.5°	423.0	365.3	270.6	192.8	128.1	81.8	55.3	41.8	32.3	16.7	11.8
25°	596.4	522.8	402.3	270.3	168.0	114.2	63.4	45.4	35.4	19.8	12.5
22.5°	764.2	686.5	551.2	358.4	226.2	155.9	81.0	51.7	38.2	22.7	13.2
20°	927.8	854.2	703.4	438.7	294.6	206.9	111.5	58.5	40.9	25.5	13.7
17.5°	1108.3	983.3	789.0	532.7	362.5	258.4	146.6	65.7	43.6	28.2	14.2
15°	1330.0	1059.7	871.5	616.3	422.9	309.7	185.2	73.0	46.2	30.6	14.8
12.5°	1528.5	1130.3	952.7	689.6	476.5	360.4	226.1	80.4	48.7	33.4	15.6
10°	1714.9	1195.2	1031.1	752.8	523.7	410.0	267.8	88.6	52.7	36.6	16.4
7.5°	1885.2	1254.5	1104.9	806.3	562.3	444.0	293.7	98.8	56.8	39.5	17.3
5°	2024.1	1301.7	1156.3	842.8	581.4	460.5	312.4	108.6	60.7	42.2	18.0
2.5°	2089.3	1334.2	1187.9	870.1	597.5	473.3	326.2	117.7	64.4	44.5	18.7
0°	2123.3	1362.0	1208.9	889.2	610.3	482.4	335.2	125.9	67.8	46.5	19.4
-2.5°	2128.3	1368.2	1214.2	908.7	630.6	495.6	347.1	148.3	85.2	57.2	25.4
-5°	2101.6	1369.0	1210.4	919.7	646.9	505.2	354.9	169.3	101.9	67.2	31.2
-7.5°	2010.4	1348.3	1189.6	920.6	658.6	511.0	359.5	188.6	117.6	76.4	36.7
-10°	1881.8	1312.2	1149.6	905.0	669.5	519.3	363.4	205.9	131.9	84.6	41.6
-12.5°	1724.5	1271.5	1108.5	886.1	677.7	530.5	375.5	223.5	144.7	91.5	45.8
-15°	1539.5	1226.5	1068.7	865.4	682.5	539.6	384.1	239.0	156.3	97.6	49.2
-17.5°	1336.3	1177.5	1032.4	844.5	684.3	546.9	389.1	250.8	166.0	103.0	52.4
-20°	1291.2	1148.3	1000.5	824.7	683.1	552.8	390.6	258.7	173.6	106.7	55.2



REPORT NUMBER: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1273.9	1135.3	979.9	815.6	681.4	557.6	388.7	262.3	179.0	108.4	56.7
-25°	1256.0	1119.4	956.6	802.9	681.0	550.9	387.5	261.2	182.0	108.0	57.0
-27.5°	1235.0	1097.2	927.5	782.7	667.3	540.7	385.1	263.7	182.1	105.6	55.9
-30°	1211.2	1059.6	898.1	757.4	648.5	513.2	376.4	263.2	178.9	103.2	53.4
-32.5°	1177.4	1016.0	861.5	732.9	617.5	483.1	357.0	259.4	172.6	100.2	51.6
-35°	1120.1	965.9	817.2	702.4	581.4	454.7	336.3	252.2	163.4	95.0	49.3
-37.5°	1056.5	908.9	778.3	664.3	543.7	423.6	320.4	236.2	151.1	87.8	45.9
-40°	989.5	853.4	735.4	621.6	506.0	389.8	301.2	216.2	139.7	78.4	41.3
-42.5°	918.8	801.2	688.1	577.7	466.4	364.6	278.3	193.3	124.9	70.4	35.6
-45°	856.3	744.6	636.8	530.1	425.7	335.9	249.5	168.4	107.8	62.4	30.9
-47.5°	789.3	684.9	580.9	478.4	389.3	302.6	217.3	146.6	88.7	52.8	28.8
-50°	720.8	620.1	520.3	429.9	347.5	262.8	183.9	122.3	75.5	41.4	26.4
-52.5°	648.3	549.9	461.4	380.2	298.5	219.4	153.4	96.7	61.1	35.2	23.6
-55°	566.3	481.8	402.9	322.8	244.9	179.3	120.2	78.9	45.6	31.3	20.6
-57.5°	488.7	413.6	335.0	259.2	194.2	137.7	93.4	59.7	38.2	27.1	19.6
-60°	407.9	333.0	260.5	199.5	144.5	101.7	70.1	44.1	33.0	23.3	18.4
-62.5°	315.5	249.8	193.2	140.9	102.9	73.2	48.6	37.8	27.6	21.8	17.1
-65°	227.1	174.6	126.7	97.3	69.5	49.1	40.8	31.1	24.8	20.1	15.9
-67.5°	141.5	111.7	84.0	58.6	47.6	40.2	32.6	27.3	22.6	18.3	15.0
-70°	86.3	62.0	50.8	44.4	37.9	31.8	28.5	24.6	20.4	17.0	14.0
-72.5°	50.2	44.8	39.4	34.1	30.9	27.9	25.0	22.0	18.7	15.7	12.9
-75°	36.7	34.0	31.6	29.0	26.3	23.9	22.0	19.9	17.0	14.3	11.8
-77.5°	30.0	28.0	25.8	23.9	22.2	20.6	19.2	17.7	15.1	12.8	10.6
-80°	23.8	22.3	20.9	19.6	18.4	17.4	16.5	15.4	13.3	11.3	9.4
-82.5°	17.6	17.0	16.4	15.8	15.1	14.5	13.8	13.1	11.3	9.7	8.3
-85°	13.6	13.3	12.9	12.4	12.0	11.6	11.2	10.7	9.5	8.4	7.5
-87.5°	10.3	10.2	10.1	9.9	9.6	9.2	8.7	8.2	7.6	7.1	6.7
-90°	1.9	1.9	1.9	1.9	2.4	2.9	3.4	3.9	3.9	3.9	3.9



REPORT NUMBER: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.8	5.8	5.8	5.8	5.8	4.8	3.9
87.5°	3.9	4.0	4.1	4.1	4.1	4.0	3.9
85°	3.9	4.1	4.2	4.3	4.2	4.1	3.9
82.5°	3.9	4.2	4.4	4.5	4.4	4.1	3.9
80°	4.0	4.3	4.6	4.7	4.6	4.2	3.9
77.5°	4.5	4.5	4.8	4.8	4.7	4.3	3.9
75°	5.0	4.8	4.9	5.0	4.9	4.4	3.9
72.5°	5.4	5.1	5.1	5.2	5.0	4.5	3.9
70°	5.8	5.4	5.3	5.4	5.2	4.5	3.9
67.5°	5.8	5.7	5.4	5.5	5.4	4.6	3.9
65°	5.8	5.8	5.6	5.5	5.5	4.7	3.9
62.5°	5.8	5.8	5.7	5.6	5.7	4.8	3.9
60°	5.8	5.8	5.8	5.7	5.8	4.8	3.9
57.5°	5.9	5.8	5.8	5.7	5.8	4.9	3.9
55°	6.0	5.8	5.8	5.7	5.8	5.0	3.9
52.5°	6.2	5.8	5.8	5.8	5.8	5.1	3.9
50°	6.3	6.0	5.8	5.8	5.8	5.1	3.9
47.5°	6.6	6.2	5.8	5.8	5.8	5.2	3.9
45°	7.0	6.4	5.8	5.8	5.8	5.2	3.9
42.5°	7.5	6.6	5.8	5.8	5.8	5.3	3.9
40°	7.9	6.9	5.9	5.8	5.8	5.4	3.9
37.5°	8.3	7.1	6.1	5.8	5.8	5.4	3.9
35°	8.7	7.4	6.3	5.8	5.8	5.5	3.9
32.5°	9.1	7.8	6.5	5.8	5.8	5.5	3.9
30°	9.5	8.1	6.7	5.8	5.8	5.5	3.9
27.5°	9.9	8.4	6.8	5.8	5.8	5.6	3.9
25°	10.2	8.7	7.0	5.8	5.8	5.6	3.9
22.5°	10.5	8.9	7.1	5.8	5.8	5.7	3.9
20°	10.9	9.1	7.2	5.8	5.8	5.7	3.9
17.5°	11.2	9.2	7.3	5.8	5.8	5.7	3.9
15°	11.5	9.4	7.4	5.8	5.8	5.7	3.9
12.5°	11.9	9.5	7.5	5.8	5.8	5.8	3.9
10°	12.3	9.5	7.6	5.8	5.8	5.8	3.9
7.5°	12.6	9.6	7.6	5.8	5.8	5.8	3.9
5°	13.0	9.7	7.7	5.8	5.8	5.8	3.9
2.5°	13.3	9.7	7.7	5.8	5.8	5.8	3.9
0°	13.6	9.7	7.7	5.8	5.8	5.8	3.9
-2.5°	15.9	10.5	8.0	6.1	5.9	5.8	3.9
-5°	18.1	11.3	8.4	6.3	6.0	5.8	3.9
-7.5°	20.2	12.1	8.7	6.6	6.0	5.8	3.9
-10°	22.0	12.8	9.0	6.8	6.1	5.8	3.9
-12.5°	23.6	13.4	9.2	7.0	6.2	5.8	3.9
-15°	25.0	14.0	9.5	7.2	6.3	5.7	3.9
-17.5°	26.0	14.4	9.7	7.4	6.3	5.7	3.9
-20°	26.9	14.8	9.9	7.6	6.4	5.7	3.9



REPORT NUMBER: P701491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-3S-CV1-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	27.8	15.0	10.1	7.8	6.4	5.7	3.9
-25°	28.1	15.2	10.3	7.9	6.5	5.7	3.9
-27.5°	27.7	15.2	10.5	8.0	6.5	5.6	3.9
-30°	26.5	15.2	10.6	8.1	6.5	5.6	3.9
-32.5°	24.6	14.9	10.7	8.2	6.5	5.6	3.9
-35°	23.7	14.5	10.7	8.2	6.5	5.6	3.9
-37.5°	23.1	14.1	10.7	8.2	6.5	5.5	3.9
-40°	22.2	14.0	10.7	8.2	6.4	5.5	3.9
-42.5°	21.1	13.9	10.6	8.2	6.4	5.5	3.9
-45°	19.6	13.8	10.5	8.1	6.4	5.4	3.9
-47.5°	17.9	13.5	10.3	8.0	6.3	5.4	3.9
-50°	17.2	13.1	10.2	7.8	6.2	5.4	3.9
-52.5°	16.7	12.7	10.0	7.7	6.1	5.4	3.9
-55°	16.0	12.3	9.7	7.5	6.0	5.3	3.9
-57.5°	15.2	11.9	9.4	7.4	5.9	5.3	3.9
-60°	14.3	11.5	9.1	7.2	5.8	5.3	3.9
-62.5°	13.6	11.0	8.8	7.0	5.8	5.2	3.9
-65°	12.9	10.5	8.4	6.7	5.8	5.2	3.9
-67.5°	12.2	9.9	8.0	6.5	5.8	5.2	3.9
-70°	11.4	9.4	7.6	6.2	5.8	5.1	3.9
-72.5°	10.5	8.7	7.2	6.2	5.8	5.1	3.9
-75°	9.6	8.1	6.8	6.1	5.8	5.1	3.9
-77.5°	8.7	7.4	6.6	6.1	5.8	5.0	3.9
-80°	7.8	7.0	6.4	6.0	5.8	5.0	3.9
-82.5°	7.3	6.7	6.3	6.0	5.8	5.0	3.9
-85°	6.8	6.4	6.1	5.9	5.8	4.9	3.9
-87.5°	6.3	6.1	6.0	5.9	5.8	4.9	3.9
-90°	3.9	3.9	3.9	3.9	3.9	3.9	3.9

(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

