

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: P701461 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-80-5S-HEG-S**

Issue Date: 8/15/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701461 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/15/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0640L-57-80-5S-HEG-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

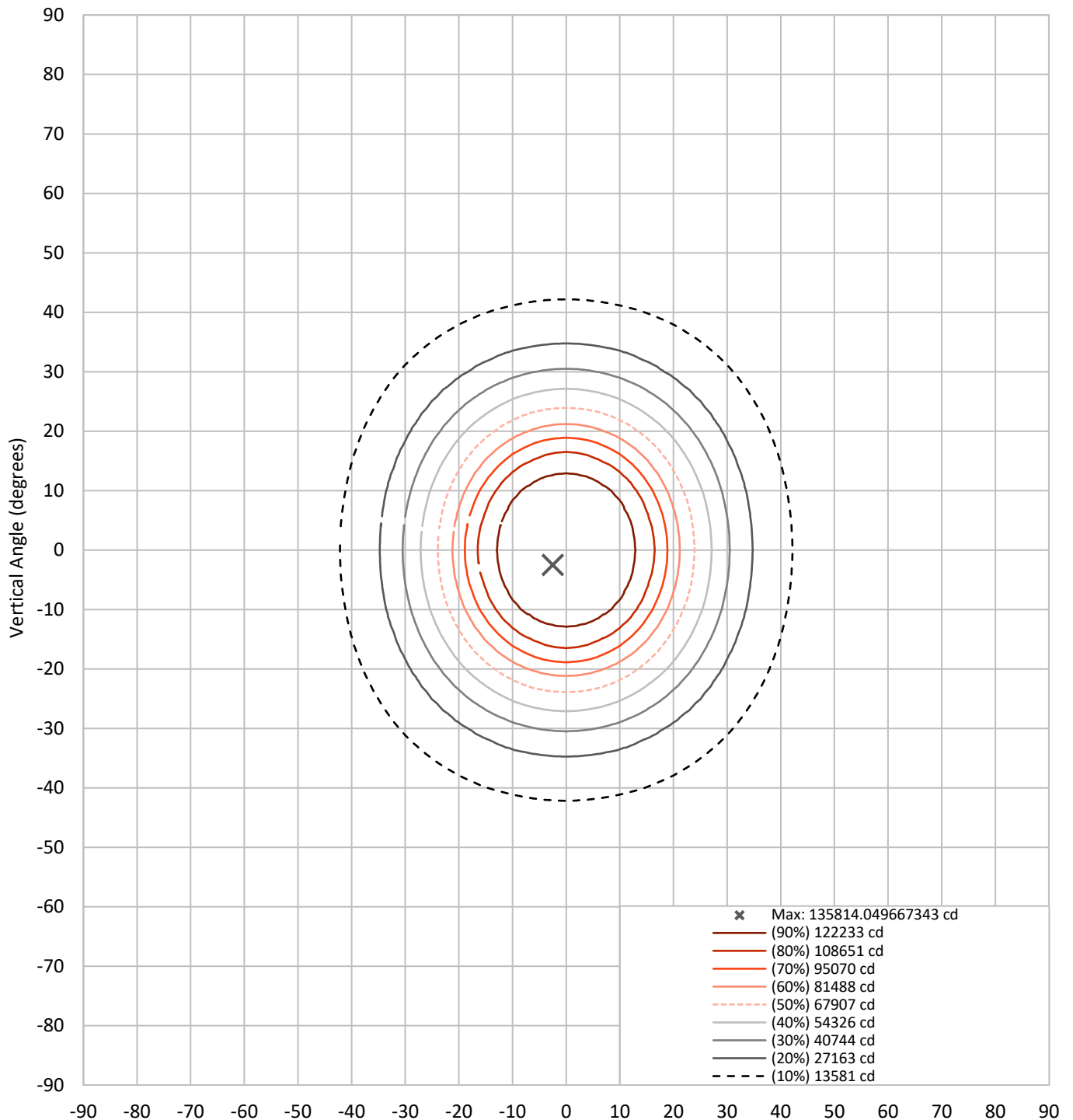
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	99271.8 lumens	Max Intensity:	135814 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	150.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	47.6°H x 47.6°V	Field Angle (10%):	84.3°H x 84.3°V
Beam Lumens:	55691.5 lumens	Field Lumens:	92496.8 lumens
Beam Efficiency:	56.1%	Field Efficiency:	93.2%

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

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CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-HEG-S

### Iso-Candela Plot





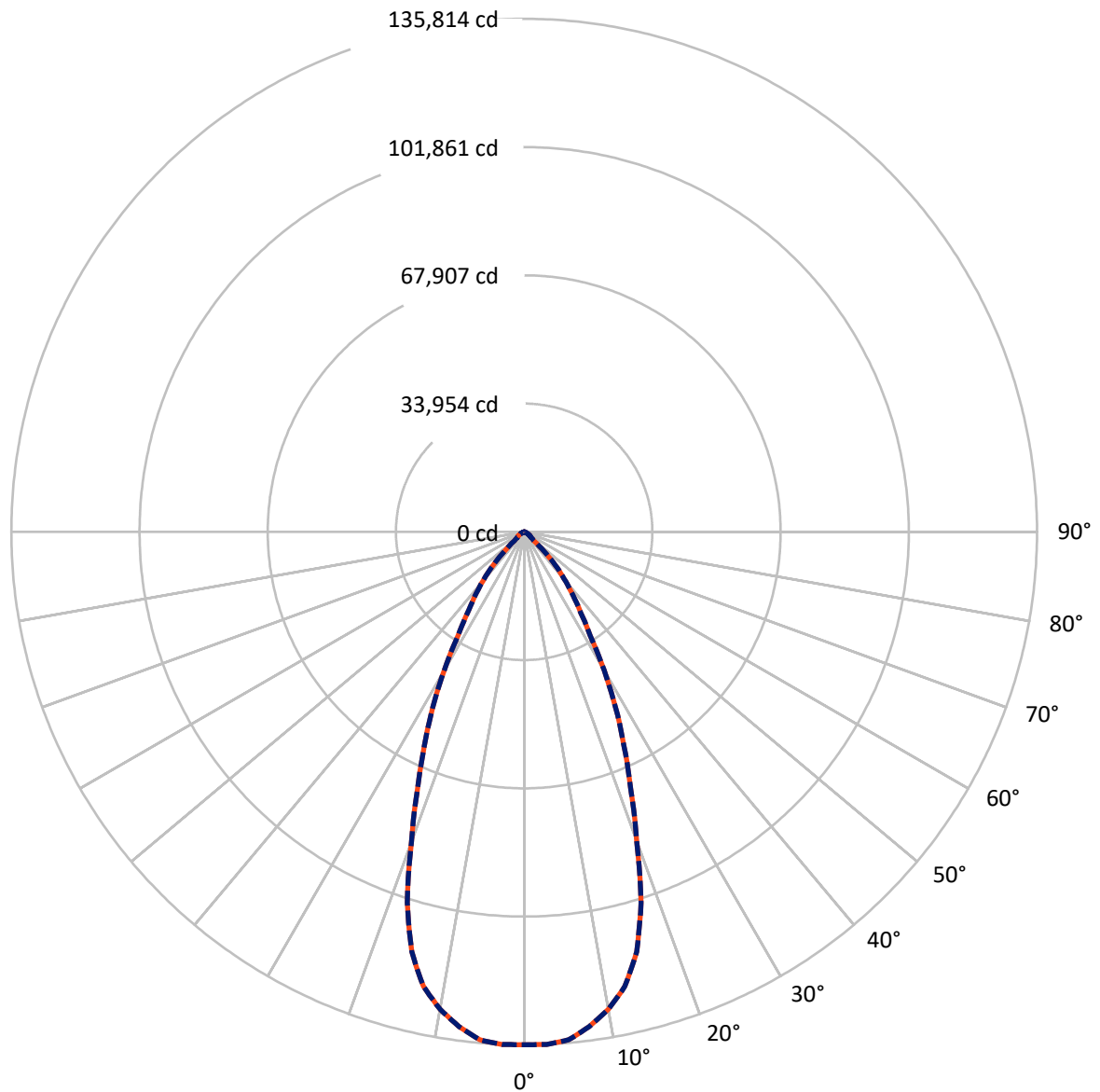
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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-HEG-S

### Lumen Table

90																
80	0.1	0.9		3.1		6.7		8.5		6.7		3.1		0.9		0.1
70																
60	0.4	0.5	1.7	4.3	8.8	14.3	19.4	22.3	22.3	19.4	14.3	8.8	4.3	1.7	0.5	0.4
50		1.3	5.0	13.7	26.7	40.8	51.4	57.1	57.1	51.4	40.8	26.7	13.7	5.0	1.3	
40	1.0	2.6	11.2	28.4	49.0	88.3	179.9	253.3	253.3	179.9	88.3	49.0	28.4	11.2	2.6	1.0
30		4.7	18.9	42.4	123.2	373.0	629.7	806.8	806.8	629.7	373.0	123.2	42.4	18.9	4.7	
20	1.9	6.9	26.1	69.8	338.9	771.0	1379.8	1851.9	1851.9	1379.8	771.0	338.9	69.8	26.1	6.9	1.9
10		8.8	30.9	134.9	537.5	1298.5	2413.0	3287.5	3287.5	2413.0	1298.5	537.5	134.9	30.9	8.8	
0	2.3	9.8	33.2	184.4	668.8	1691.9	3191.7	3984.1	3984.1	3191.7	1691.9	668.8	184.4	33.2	9.8	2.3
-10		9.8	33.2	184.4	668.8	1691.9	3191.7	3984.1	3984.1	3191.7	1691.9	668.8	184.4	33.2	9.8	
-20	1.9	8.8	30.9	134.9	537.5	1298.5	2413.0	3287.5	3287.5	2413.0	1298.5	537.5	134.9	30.9	8.8	1.9
-30		6.9	26.1	69.8	338.9	771.0	1379.8	1851.9	1851.9	1379.8	771.0	338.9	69.8	26.1	6.9	
-40	1.0	4.7	18.9	42.4	123.2	373.0	629.7	806.8	806.8	629.7	373.0	123.2	42.4	18.9	4.7	1.0
-50		2.6	11.2	28.4	49.0	88.3	179.9	253.3	253.3	179.9	88.3	49.0	28.4	11.2	2.6	
-60	0.4	1.3	5.0	13.7	26.7	40.8	51.4	57.1	57.1	51.4	40.8	26.7	13.7	5.0	1.3	0.4
-70		0.5	1.7	4.3	8.8	14.3	19.4	22.3	22.3	19.4	14.3	8.8	4.3	1.7	0.5	
-80																
-90	0.1	0.9		3.1		6.7		8.5		6.7		3.1		0.9		0.1

REPORT NUMBER: P701461 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-HEG-S

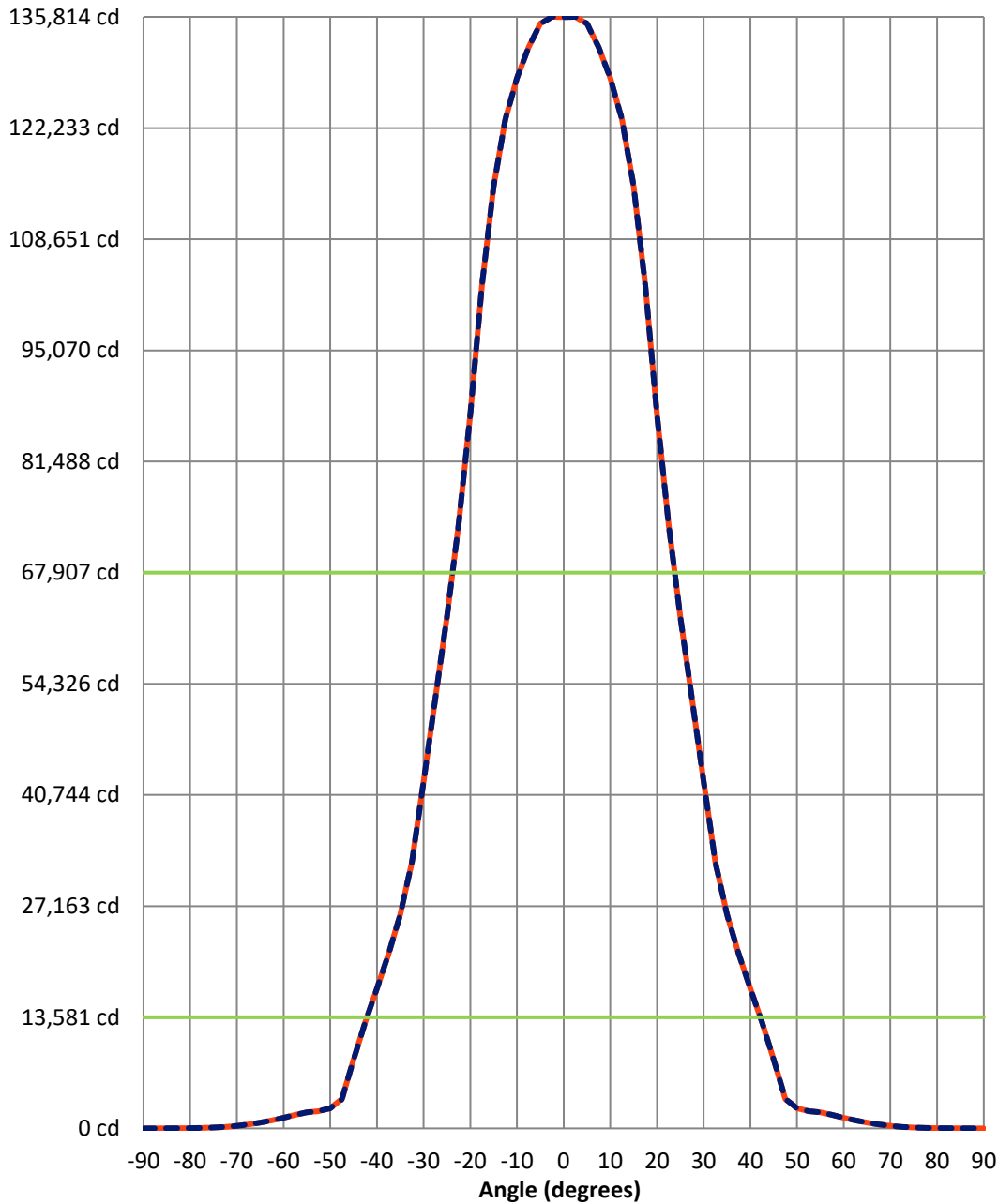
### Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg    - - - Horizontal Distribution Through -2.5-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 47.6°  
 V Angle: 47.6°  
 Lumens: 55691.5  
 Efficiency: 56.1%

**Field:**  
 H Angle: 84.3°  
 V Angle: 84.3°  
 Lumens: 92496.8  
 Efficiency: 93.2%

**Spill:**  
 Lumens: 6775.1  
 Efficiency: 6.8%

- Vertical Distribution through -2.5-Deg
- - - Horizontal Distribution through -2.5-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.5	2.8
85°	0.0	0.6	1.1	1.7	2.3	2.9	3.4	4.0	4.5	5.0	5.6
82.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	5.9	6.8	7.6	8.3
80°	0.0	1.1	2.3	3.4	4.6	5.7	6.8	7.9	9.0	10.1	11.1
77.5°	0.0	1.4	2.9	4.3	5.7	7.1	8.5	9.9	11.2	12.5	14.0
75°	0.0	1.7	3.4	5.1	6.8	8.5	10.1	11.8	13.5	15.4	17.4
72.5°	0.0	2.0	4.0	5.9	7.9	9.9	11.8	13.8	16.2	18.5	20.7
70°	0.0	2.3	4.5	6.8	9.0	11.2	13.5	16.2	18.8	21.5	25.2
67.5°	0.0	2.5	5.0	7.6	10.1	12.5	15.4	18.5	21.5	25.7	29.8
65°	0.0	2.8	5.6	8.3	11.1	14.0	17.4	20.7	25.2	29.8	36.0
62.5°	0.0	3.0	6.1	9.1	12.1	15.6	19.3	23.6	28.8	34.9	46.2
60°	0.0	3.3	6.6	9.9	13.1	17.2	21.2	26.7	32.3	43.8	56.1
57.5°	0.0	3.5	7.1	10.6	14.4	18.7	23.7	29.7	39.2	52.6	71.2
55°	0.0	3.8	7.6	11.3	15.5	20.2	26.2	32.7	46.8	62.7	88.5
52.5°	0.0	4.0	8.0	12.0	16.7	21.7	28.7	38.8	54.2	77.9	105.3
50°	0.0	4.2	8.5	12.7	17.8	23.7	31.0	45.0	63.1	92.6	128.2
47.5°	0.0	4.5	8.9	13.4	18.9	25.6	33.7	51.1	75.7	106.8	151.2
45°	0.0	4.7	9.3	14.2	19.9	27.4	38.7	56.9	87.9	126.5	173.3
42.5°	0.0	4.9	9.7	14.9	20.9	29.2	43.5	65.2	99.6	145.6	210.9
40°	0.0	5.1	10.1	15.6	22.1	30.9	48.1	74.9	112.3	163.8	249.7
37.5°	0.0	5.2	10.5	16.3	23.3	32.5	52.5	84.2	127.7	185.6	286.6
35°	0.0	5.4	10.8	16.9	24.5	35.2	56.6	93.0	142.3	216.9	326.5
32.5°	0.0	5.6	11.1	17.5	25.7	38.4	61.4	101.2	156.0	246.5	371.5
30°	0.0	5.7	11.4	18.1	26.7	41.5	68.0	109.7	168.9	274.2	413.8
27.5°	0.0	5.9	11.7	18.6	27.7	44.2	74.1	120.1	184.9	299.9	453.1
25°	0.0	6.0	12.0	19.1	28.6	46.8	79.7	129.7	205.8	329.3	489.8
22.5°	0.0	6.1	12.2	19.5	29.4	49.1	84.8	138.4	224.9	358.9	531.2
20°	0.0	6.2	12.4	19.9	30.2	51.3	89.4	146.3	242.2	385.5	568.5
17.5°	0.0	6.3	12.6	20.3	30.8	53.1	93.5	153.3	257.5	409.3	601.7
15°	0.0	6.4	12.7	20.6	31.4	54.8	97.1	159.4	270.8	429.9	630.8
12.5°	0.0	6.4	12.9	20.8	31.9	56.1	100.1	164.5	282.2	447.5	655.4
10°	0.0	6.5	13.0	21.0	32.3	57.3	102.6	168.8	291.5	462.0	675.8
7.5°	0.0	6.5	13.1	21.2	32.6	58.2	104.6	172.1	298.8	473.3	691.6
5°	0.0	6.6	13.1	21.3	32.8	58.8	106.0	174.5	304.0	481.4	703.0
2.5°	0.0	6.6	13.2	21.4	33.0	59.2	106.8	175.9	307.2	486.3	709.8
0°	0.0	6.6	13.2	21.4	33.0	59.3	107.1	176.4	308.2	487.9	712.1
-2.5°	0.0	6.6	13.2	21.4	33.0	59.3	107.1	176.4	308.2	487.9	712.1
-5°	0.0	6.6	13.1	21.3	32.8	58.8	106.0	174.5	304.0	481.4	703.0
-7.5°	0.0	6.5	13.1	21.2	32.6	58.2	104.6	172.1	298.8	473.3	691.6
-10°	0.0	6.5	13.0	21.0	32.3	57.3	102.6	168.8	291.5	462.0	675.8
-12.5°	0.0	6.4	12.9	20.8	31.9	56.1	100.1	164.5	282.2	447.5	655.4
-15°	0.0	6.4	12.7	20.6	31.4	54.8	97.1	159.4	270.8	429.9	630.8
-17.5°	0.0	6.3	12.6	20.3	30.8	53.1	93.5	153.3	257.5	409.3	601.7
-20°	0.0	6.2	12.4	19.9	30.2	51.3	89.4	146.3	242.2	385.5	568.5



REPORT NUMBER: P701461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-HEG-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.1	12.2	19.5	29.4	49.1	84.8	138.4	224.9	358.9	531.2
-25°	0.0	6.0	12.0	19.1	28.6	46.8	79.7	129.7	205.8	329.3	489.8
-27.5°	0.0	5.9	11.7	18.6	27.7	44.2	74.1	120.1	184.9	299.9	453.1
-30°	0.0	5.7	11.4	18.1	26.7	41.5	68.0	109.7	168.9	274.2	413.8
-32.5°	0.0	5.6	11.1	17.5	25.7	38.4	61.4	101.2	156.0	246.5	371.5
-35°	0.0	5.4	10.8	16.9	24.5	35.2	56.6	93.0	142.3	216.9	326.5
-37.5°	0.0	5.2	10.5	16.3	23.3	32.5	52.5	84.2	127.7	185.6	286.6
-40°	0.0	5.1	10.1	15.6	22.1	30.9	48.1	74.9	112.3	163.8	249.7
-42.5°	0.0	4.9	9.7	14.9	20.9	29.2	43.5	65.2	99.6	145.6	210.9
-45°	0.0	4.7	9.3	14.2	19.9	27.4	38.7	56.9	87.9	126.5	173.3
-47.5°	0.0	4.5	8.9	13.4	18.9	25.6	33.7	51.1	75.7	106.8	151.2
-50°	0.0	4.2	8.5	12.7	17.8	23.7	31.0	45.0	63.1	92.6	128.2
-52.5°	0.0	4.0	8.0	12.0	16.7	21.7	28.7	38.8	54.2	77.9	105.3
-55°	0.0	3.8	7.6	11.3	15.5	20.2	26.2	32.7	46.8	62.7	88.5
-57.5°	0.0	3.5	7.1	10.6	14.4	18.7	23.7	29.7	39.2	52.6	71.2
-60°	0.0	3.3	6.6	9.9	13.1	17.2	21.2	26.7	32.3	43.8	56.1
-62.5°	0.0	3.0	6.1	9.1	12.1	15.6	19.3	23.6	28.8	34.9	46.2
-65°	0.0	2.8	5.6	8.3	11.1	14.0	17.4	20.7	25.2	29.8	36.0
-67.5°	0.0	2.5	5.0	7.6	10.1	12.5	15.4	18.5	21.5	25.7	29.8
-70°	0.0	2.3	4.5	6.8	9.0	11.2	13.5	16.2	18.8	21.5	25.2
-72.5°	0.0	2.0	4.0	5.9	7.9	9.9	11.8	13.8	16.2	18.5	20.7
-75°	0.0	1.7	3.4	5.1	6.8	8.5	10.1	11.8	13.5	15.4	17.4
-77.5°	0.0	1.4	2.9	4.3	5.7	7.1	8.5	9.9	11.2	12.5	14.0
-80°	0.0	1.1	2.3	3.4	4.6	5.7	6.8	7.9	9.0	10.1	11.1
-82.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	5.9	6.8	7.6	8.3
-85°	0.0	0.6	1.1	1.7	2.3	2.9	3.4	4.0	4.5	5.0	5.6
-87.5°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.5	2.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P701461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-HEG-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	3.3	3.5	3.8	4.0	4.2	4.5	4.7	4.9	5.1	5.2
85°	6.1	6.6	7.1	7.6	8.0	8.5	8.9	9.3	9.7	10.1	10.5
82.5°	9.1	9.9	10.6	11.3	12.0	12.7	13.4	14.2	14.9	15.6	16.3
80°	12.1	13.1	14.4	15.5	16.7	17.8	18.9	19.9	20.9	22.1	23.3
77.5°	15.6	17.2	18.7	20.2	21.7	23.7	25.6	27.4	29.2	30.9	32.5
75°	19.3	21.2	23.7	26.2	28.7	31.0	33.7	38.7	43.5	48.1	52.5
72.5°	23.6	26.7	29.7	32.7	38.8	45.0	51.1	56.9	65.2	74.9	84.2
70°	28.8	32.3	39.2	46.8	54.2	63.1	75.7	87.9	99.6	112.3	127.7
67.5°	34.9	43.8	52.6	62.7	77.9	92.6	106.8	126.5	145.6	163.8	185.6
65°	46.2	56.1	71.2	88.5	105.3	128.2	151.2	173.3	210.9	249.7	286.6
62.5°	57.3	75.5	95.0	117.0	143.8	169.9	212.1	258.5	303.1	359.6	415.3
60°	75.5	97.1	123.3	153.3	188.0	242.2	294.6	358.9	425.5	489.8	566.0
57.5°	95.0	123.3	156.4	200.1	260.3	322.9	400.5	475.6	563.0	649.8	737.4
55°	117.0	153.3	200.1	266.4	339.6	425.7	514.7	615.9	713.9	828.6	938.4
52.5°	143.8	188.0	260.3	339.6	434.1	535.9	648.0	766.5	894.7	1023.3	1160.2
50°	169.9	242.2	322.9	425.7	535.9	658.7	792.9	934.7	1085.5	1238.7	1397.1
47.5°	212.1	294.6	400.5	514.7	648.0	792.9	948.1	1116.8	1286.2	1469.8	1648.6
45°	258.5	358.9	475.6	615.9	766.5	934.7	1116.8	1302.1	1506.5	1698.4	1862.7
42.5°	303.1	425.5	563.0	713.9	894.7	1085.5	1286.2	1506.5	1714.5	1895.4	2015.5
40°	359.6	489.8	649.8	828.6	1023.3	1238.7	1469.8	1698.4	1895.4	2022.9	2105.7
37.5°	415.3	566.0	737.4	938.4	1160.2	1397.1	1648.6	1862.7	2015.5	2105.7	2326.3
35°	468.1	638.4	833.8	1052.1	1291.0	1556.8	1798.0	1993.3	2090.6	2306.2	2715.1
32.5°	525.5	706.9	925.1	1166.8	1430.4	1702.2	1938.5	2060.5	2246.1	2583.0	3392.6
30°	584.0	784.2	1014.9	1274.8	1563.3	1825.8	2016.1	2147.3	2423.1	3190.4	5377.3
27.5°	638.4	857.4	1107.6	1385.7	1684.1	1941.7	2071.9	2303.1	2858.2	4217.3	7968.0
25°	688.7	925.1	1193.4	1492.1	1783.6	2006.3	2146.5	2448.4	3360.3	6491.8	10287.6
22.5°	739.7	987.3	1272.0	1589.6	1875.1	2050.6	2270.9	2834.0	4471.5	8596.4	12415.8
20°	790.4	1052.1	1348.7	1675.7	1958.1	2090.9	2384.1	3227.6	6265.5	10412.2	14235.8
17.5°	835.5	1109.8	1420.8	1743.7	1998.5	2154.3	2522.2	3581.1	7880.1	12050.3	15818.5
15°	875.0	1160.2	1483.9	1803.3	2027.6	2236.4	2809.1	4755.5	9255.6	13455.1	17223.5
12.5°	908.6	1203.2	1537.7	1854.1	2052.5	2306.6	3054.9	5883.4	10405.3	14571.5	18485.2
10°	936.2	1238.7	1582.0	1896.0	2073.0	2364.7	3258.2	6817.3	11358.8	15499.1	19535.8
7.5°	957.8	1266.3	1616.7	1928.9	2089.0	2410.2	3417.7	7550.8	12108.7	16229.8	20365.0
5°	973.3	1286.2	1641.5	1952.4	2100.5	2442.8	3532.3	8078.7	12648.9	16756.8	20963.9
2.5°	982.6	1298.1	1656.5	1966.6	2107.5	2462.5	3601.4	8397.0	12974.9	17075.1	21326.0
0°	985.7	1302.1	1661.5	1971.3	2109.8	2469.1	3624.5	8503.4	13083.9	17181.5	21447.2
-2.5°	982.6	1298.1	1656.5	1966.6	2107.5	2462.5	3601.4	8397.0	12974.9	17075.1	21326.0
-5°	973.3	1286.2	1641.5	1952.4	2100.5	2442.8	3532.3	8078.7	12648.9	16756.8	20963.9
-7.5°	957.8	1266.3	1616.7	1928.9	2089.0	2410.2	3417.7	7550.8	12108.7	16229.8	20365.0
-10°	936.2	1238.7	1582.0	1896.0	2073.0	2364.7	3258.2	6817.3	11358.8	15499.1	19535.8
-12.5°	908.6	1203.2	1537.7	1854.1	2052.5	2306.6	3054.9	5883.4	10405.3	14571.5	18485.2
-15°	875.0	1160.2	1483.9	1803.3	2027.6	2236.4	2809.1	4755.5	9255.6	13455.1	17223.5
-17.5°	835.5	1109.8	1420.8	1743.7	1998.5	2154.3	2522.2	3581.1	7880.1	12050.3	15818.5
-20°	790.4	1052.1	1348.7	1675.7	1958.1	2090.9	2384.1	3227.6	6265.5	10412.2	14235.8



REPORT NUMBER: P701461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-HEG-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	739.7	987.3	1272.0	1589.6	1875.1	2050.6	2270.9	2834.0	4471.5	8596.4	12415.8
-25°	688.7	925.1	1193.4	1492.1	1783.6	2006.3	2146.5	2448.4	3360.3	6491.8	10287.6
-27.5°	638.4	857.4	1107.6	1385.7	1684.1	1941.7	2071.9	2303.1	2858.2	4217.3	7968.0
-30°	584.0	784.2	1014.9	1274.8	1563.3	1825.8	2016.1	2147.3	2423.1	3190.4	5377.3
-32.5°	525.5	706.9	925.1	1166.8	1430.4	1702.2	1938.5	2060.5	2246.1	2583.0	3392.6
-35°	468.1	638.4	833.8	1052.1	1291.0	1556.8	1798.0	1993.3	2090.6	2306.2	2715.1
-37.5°	415.3	566.0	737.4	938.4	1160.2	1397.1	1648.6	1862.7	2015.5	2105.7	2326.3
-40°	359.6	489.8	649.8	828.6	1023.3	1238.7	1469.8	1698.4	1895.4	2022.9	2105.7
-42.5°	303.1	425.5	563.0	713.9	894.7	1085.5	1286.2	1506.5	1714.5	1895.4	2015.5
-45°	258.5	358.9	475.6	615.9	766.5	934.7	1116.8	1302.1	1506.5	1698.4	1862.7
-47.5°	212.1	294.6	400.5	514.7	648.0	792.9	948.1	1116.8	1286.2	1469.8	1648.6
-50°	169.9	242.2	322.9	425.7	535.9	658.7	792.9	934.7	1085.5	1238.7	1397.1
-52.5°	143.8	188.0	260.3	339.6	434.1	535.9	648.0	766.5	894.7	1023.3	1160.2
-55°	117.0	153.3	200.1	266.4	339.6	425.7	514.7	615.9	713.9	828.6	938.4
-57.5°	95.0	123.3	156.4	200.1	260.3	322.9	400.5	475.6	563.0	649.8	737.4
-60°	75.5	97.1	123.3	153.3	188.0	242.2	294.6	358.9	425.5	489.8	566.0
-62.5°	57.3	75.5	95.0	117.0	143.8	169.9	212.1	258.5	303.1	359.6	415.3
-65°	46.2	56.1	71.2	88.5	105.3	128.2	151.2	173.3	210.9	249.7	286.6
-67.5°	34.9	43.8	52.6	62.7	77.9	92.6	106.8	126.5	145.6	163.8	185.6
-70°	28.8	32.3	39.2	46.8	54.2	63.1	75.7	87.9	99.6	112.3	127.7
-72.5°	23.6	26.7	29.7	32.7	38.8	45.0	51.1	56.9	65.2	74.9	84.2
-75°	19.3	21.2	23.7	26.2	28.7	31.0	33.7	38.7	43.5	48.1	52.5
-77.5°	15.6	17.2	18.7	20.2	21.7	23.7	25.6	27.4	29.2	30.9	32.5
-80°	12.1	13.1	14.4	15.5	16.7	17.8	18.9	19.9	20.9	22.1	23.3
-82.5°	9.1	9.9	10.6	11.3	12.0	12.7	13.4	14.2	14.9	15.6	16.3
-85°	6.1	6.6	7.1	7.6	8.0	8.5	8.9	9.3	9.7	10.1	10.5
-87.5°	3.0	3.3	3.5	3.8	4.0	4.2	4.5	4.7	4.9	5.1	5.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-HEG-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.4	5.6	5.7	5.9	6.0	6.1	6.2	6.3	6.4	6.4	6.5
85°	10.8	11.1	11.4	11.7	12.0	12.2	12.4	12.6	12.7	12.9	13.0
82.5°	16.9	17.5	18.1	18.6	19.1	19.5	19.9	20.3	20.6	20.8	21.0
80°	24.5	25.7	26.7	27.7	28.6	29.4	30.2	30.8	31.4	31.9	32.3
77.5°	35.2	38.4	41.5	44.2	46.8	49.1	51.3	53.1	54.8	56.1	57.3
75°	56.6	61.4	68.0	74.1	79.7	84.8	89.4	93.5	97.1	100.1	102.6
72.5°	93.0	101.2	109.7	120.1	129.7	138.4	146.3	153.3	159.4	164.5	168.8
70°	142.3	156.0	168.9	184.9	205.8	224.9	242.2	257.5	270.8	282.2	291.5
67.5°	216.9	246.5	274.2	299.9	329.3	358.9	385.5	409.3	429.9	447.5	462.0
65°	326.5	371.5	413.8	453.1	489.8	531.2	568.5	601.7	630.8	655.4	675.8
62.5°	468.1	525.5	584.0	638.4	688.7	739.7	790.4	835.5	875.0	908.6	936.2
60°	638.4	706.9	784.2	857.4	925.1	987.3	1052.1	1109.8	1160.2	1203.2	1238.7
57.5°	833.8	925.1	1014.9	1107.6	1193.4	1272.0	1348.7	1420.8	1483.9	1537.7	1582.0
55°	1052.1	1166.8	1274.8	1385.7	1492.1	1589.6	1675.7	1743.7	1803.3	1854.1	1896.0
52.5°	1291.0	1430.4	1563.3	1684.1	1783.6	1875.1	1958.1	1998.5	2027.6	2052.5	2073.0
50°	1556.8	1702.2	1825.8	1941.7	2006.3	2050.6	2090.9	2154.3	2236.4	2306.6	2364.7
47.5°	1798.0	1938.5	2016.1	2071.9	2146.5	2270.9	2384.1	2522.2	2809.1	3054.9	3258.2
45°	1993.3	2060.5	2147.3	2303.1	2448.4	2834.0	3227.6	3581.1	4755.5	5883.4	6817.3
42.5°	2090.6	2246.1	2423.1	2858.2	3360.3	4471.5	6265.5	7880.1	9255.6	10405.3	11358.8
40°	2306.2	2583.0	3190.4	4217.3	6491.8	8596.4	10412.2	12050.3	13455.1	14571.5	15499.1
37.5°	2715.1	3392.6	5377.3	7968.0	10287.6	12415.8	14235.8	15818.5	17223.5	18485.2	19535.8
35°	3460.5	5963.8	8845.4	11438.3	13799.5	15841.9	17747.2	19526.2	21108.6	22617.9	23916.2
32.5°	5963.8	9129.2	12020.9	14601.4	16937.6	19206.3	21314.9	23476.2	25421.6	27393.3	29291.4
30°	8845.4	12020.9	14871.1	17506.0	20099.4	22686.0	25258.0	28061.7	30889.1	33670.2	36857.9
27.5°	11438.3	14601.4	17506.0	20400.2	23391.9	26374.5	30079.0	33867.1	38582.1	42717.9	46278.7
25°	13799.5	16937.6	20099.4	23391.9	26869.2	31107.2	36326.3	41978.4	47186.0	51794.3	55687.5
22.5°	15841.9	19206.3	22686.0	26374.5	31107.2	37157.7	43734.9	49957.3	55616.0	60625.1	65170.6
20°	17747.2	21314.9	25258.0	30079.0	36326.3	43734.9	50897.2	57577.3	63811.3	70041.4	75632.9
17.5°	19526.2	23476.2	28061.7	33867.1	41978.4	49957.3	57577.3	65002.1	72566.6	80430.6	87615.5
15°	21108.6	25421.6	30889.1	38582.1	47186.0	55616.0	63811.3	72566.6	82076.2	91668.1	101074.2
12.5°	22617.9	27393.3	33670.2	42717.9	51794.3	60625.1	70041.4	80430.6	91668.1	103358.8	111441.0
10°	23916.2	29291.4	36857.9	46278.7	55687.5	65170.6	75632.9	87615.5	101074.2	111441.0	119214.6
7.5°	24943.1	30796.9	39394.8	49124.8	58808.5	69097.8	80898.3	94485.9	107728.0	117648.3	123931.7
5°	25686.2	31888.7	41239.7	51201.7	61096.2	71993.1	84810.2	99698.6	112231.1	121259.0	126793.6
2.5°	26136.0	32550.7	42360.4	52466.4	62493.6	73769.3	87224.0	102941.6	115066.4	123259.4	128330.8
0°	26286.6	32772.5	42736.3	52891.2	62963.8	74368.2	88040.5	104043.5	116036.3	123873.9	128856.6
-2.5°	26136.0	32550.7	42360.4	52466.4	62493.6	73769.3	87224.0	102941.6	115066.4	123259.4	128330.8
-5°	25686.2	31888.7	41239.7	51201.7	61096.2	71993.1	84810.2	99698.6	112231.1	121259.0	126793.6
-7.5°	24943.1	30796.9	39394.8	49124.8	58808.5	69097.8	80898.3	94485.9	107728.0	117648.3	123931.7
-10°	23916.2	29291.4	36857.9	46278.7	55687.5	65170.6	75632.9	87615.5	101074.2	111441.0	119214.6
-12.5°	22617.9	27393.3	33670.2	42717.9	51794.3	60625.1	70041.4	80430.6	91668.1	103358.8	111441.0
-15°	21108.6	25421.6	30889.1	38582.1	47186.0	55616.0	63811.3	72566.6	82076.2	91668.1	101074.2
-17.5°	19526.2	23476.2	28061.7	33867.1	41978.4	49957.3	57577.3	65002.1	72566.6	80430.6	87615.5
-20°	17747.2	21314.9	25258.0	30079.0	36326.3	43734.9	50897.2	57577.3	63811.3	70041.4	75632.9



REPORT NUMBER: P701461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-HEG-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	15841.9	19206.3	22686.0	26374.5	31107.2	37157.7	43734.9	49957.3	55616.0	60625.1	65170.6
-25°	13799.5	16937.6	20099.4	23391.9	26869.2	31107.2	36326.3	41978.4	47186.0	51794.3	55687.5
-27.5°	11438.3	14601.4	17506.0	20400.2	23391.9	26374.5	30079.0	33867.1	38582.1	42717.9	46278.7
-30°	8845.4	12020.9	14871.1	17506.0	20099.4	22686.0	25258.0	28061.7	30889.1	33670.2	36857.9
-32.5°	5963.8	9129.2	12020.9	14601.4	16937.6	19206.3	21314.9	23476.2	25421.6	27393.3	29291.4
-35°	3460.5	5963.8	8845.4	11438.3	13799.5	15841.9	17747.2	19526.2	21108.6	22617.9	23916.2
-37.5°	2715.1	3392.6	5377.3	7968.0	10287.6	12415.8	14235.8	15818.5	17223.5	18485.2	19535.8
-40°	2306.2	2583.0	3190.4	4217.3	6491.8	8596.4	10412.2	12050.3	13455.1	14571.5	15499.1
-42.5°	2090.6	2246.1	2423.1	2858.2	3360.3	4471.5	6265.5	7880.1	9255.6	10405.3	11358.8
-45°	1993.3	2060.5	2147.3	2303.1	2448.4	2834.0	3227.6	3581.1	4755.5	5883.4	6817.3
-47.5°	1798.0	1938.5	2016.1	2071.9	2146.5	2270.9	2384.1	2522.2	2809.1	3054.9	3258.2
-50°	1556.8	1702.2	1825.8	1941.7	2006.3	2050.6	2090.9	2154.3	2236.4	2306.6	2364.7
-52.5°	1291.0	1430.4	1563.3	1684.1	1783.6	1875.1	1958.1	1998.5	2027.6	2052.5	2073.0
-55°	1052.1	1166.8	1274.8	1385.7	1492.1	1589.6	1675.7	1743.7	1803.3	1854.1	1896.0
-57.5°	833.8	925.1	1014.9	1107.6	1193.4	1272.0	1348.7	1420.8	1483.9	1537.7	1582.0
-60°	638.4	706.9	784.2	857.4	925.1	987.3	1052.1	1109.8	1160.2	1203.2	1238.7
-62.5°	468.1	525.5	584.0	638.4	688.7	739.7	790.4	835.5	875.0	908.6	936.2
-65°	326.5	371.5	413.8	453.1	489.8	531.2	568.5	601.7	630.8	655.4	675.8
-67.5°	216.9	246.5	274.2	299.9	329.3	358.9	385.5	409.3	429.9	447.5	462.0
-70°	142.3	156.0	168.9	184.9	205.8	224.9	242.2	257.5	270.8	282.2	291.5
-72.5°	93.0	101.2	109.7	120.1	129.7	138.4	146.3	153.3	159.4	164.5	168.8
-75°	56.6	61.4	68.0	74.1	79.7	84.8	89.4	93.5	97.1	100.1	102.6
-77.5°	35.2	38.4	41.5	44.2	46.8	49.1	51.3	53.1	54.8	56.1	57.3
-80°	24.5	25.7	26.7	27.7	28.6	29.4	30.2	30.8	31.4	31.9	32.3
-82.5°	16.9	17.5	18.1	18.6	19.1	19.5	19.9	20.3	20.6	20.8	21.0
-85°	10.8	11.1	11.4	11.7	12.0	12.2	12.4	12.6	12.7	12.9	13.0
-87.5°	5.4	5.6	5.7	5.9	6.0	6.1	6.2	6.3	6.4	6.4	6.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-HEG-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.4	6.3
85°	13.1	13.1	13.2	13.2	13.2	13.1	13.1	13.0	12.9	12.7	12.6
82.5°	21.2	21.3	21.4	21.4	21.4	21.3	21.2	21.0	20.8	20.6	20.3
80°	32.6	32.8	33.0	33.0	33.0	32.8	32.6	32.3	31.9	31.4	30.8
77.5°	58.2	58.8	59.2	59.3	59.2	58.8	58.2	57.3	56.1	54.8	53.1
75°	104.6	106.0	106.8	107.1	106.8	106.0	104.6	102.6	100.1	97.1	93.5
72.5°	172.1	174.5	175.9	176.4	175.9	174.5	172.1	168.8	164.5	159.4	153.3
70°	298.8	304.0	307.2	308.2	307.2	304.0	298.8	291.5	282.2	270.8	257.5
67.5°	473.3	481.4	486.3	487.9	486.3	481.4	473.3	462.0	447.5	429.9	409.3
65°	691.6	703.0	709.8	712.1	709.8	703.0	691.6	675.8	655.4	630.8	601.7
62.5°	957.8	973.3	982.6	985.7	982.6	973.3	957.8	936.2	908.6	875.0	835.5
60°	1266.3	1286.2	1298.1	1302.1	1298.1	1286.2	1266.3	1238.7	1203.2	1160.2	1109.8
57.5°	1616.7	1641.5	1656.5	1661.5	1656.5	1641.5	1616.7	1582.0	1537.7	1483.9	1420.8
55°	1928.9	1952.4	1966.6	1971.3	1966.6	1952.4	1928.9	1896.0	1854.1	1803.3	1743.7
52.5°	2089.0	2100.5	2107.5	2109.8	2107.5	2100.5	2089.0	2073.0	2052.5	2027.6	1998.5
50°	2410.2	2442.8	2462.5	2469.1	2462.5	2442.8	2410.2	2364.7	2306.6	2236.4	2154.3
47.5°	3417.7	3532.3	3601.4	3624.5	3601.4	3532.3	3417.7	3258.2	3054.9	2809.1	2522.2
45°	7550.8	8078.7	8397.0	8503.4	8397.0	8078.7	7550.8	6817.3	5883.4	4755.5	3581.1
42.5°	12108.7	12648.9	12974.9	13083.9	12974.9	12648.9	12108.7	11358.8	10405.3	9255.6	7880.1
40°	16229.8	16756.8	17075.1	17181.5	17075.1	16756.8	16229.8	15499.1	14571.5	13455.1	12050.3
37.5°	20365.0	20963.9	21326.0	21447.2	21326.0	20963.9	20365.0	19535.8	18485.2	17223.5	15818.5
35°	24943.1	25686.2	26136.0	26286.6	26136.0	25686.2	24943.1	23916.2	22617.9	21108.6	19526.2
32.5°	30796.9	31888.7	32550.7	32772.5	32550.7	31888.7	30796.9	29291.4	27393.3	25421.6	23476.2
30°	39394.8	41239.7	42360.4	42736.3	42360.4	41239.7	39394.8	36857.9	33670.2	30889.1	28061.7
27.5°	49124.8	51201.7	52466.4	52891.2	52466.4	51201.7	49124.8	46278.7	42717.9	38582.1	33867.1
25°	58808.5	61096.2	62493.6	62963.8	62493.6	61096.2	58808.5	55687.5	51794.3	47186.0	41978.4
22.5°	69097.8	71993.1	73769.3	74368.2	73769.3	71993.1	69097.8	65170.6	60625.1	55616.0	49957.3
20°	80898.3	84810.2	87224.0	88040.5	87224.0	84810.2	80898.3	75632.9	70041.4	63811.3	57577.3
17.5°	94485.9	99698.6	102941.6	104043.5	102941.6	99698.6	94485.9	87615.5	80430.6	72566.6	65002.1
15°	107728.0	112231.1	115066.4	116036.3	115066.4	112231.1	107728.0	101074.2	91668.1	82076.2	72566.6
12.5°	117648.3	121259.0	123259.4	123873.9	123259.4	121259.0	117648.3	111441.0	103358.8	91668.1	80430.6
10°	123931.7	126793.6	128330.8	128856.6	128330.8	126793.6	123931.7	119214.6	111441.0	101074.2	87615.5
7.5°	127835.9	130500.0	132100.2	132664.1	132100.2	130500.0	127835.9	123931.7	117648.3	107728.0	94485.9
5°	130500.0	133269.8	134988.3	135512.3	134988.3	133269.8	130500.0	126793.6	121259.0	112231.1	99698.6
2.5°	132100.2	134988.3	135814.0	135785.9	135814.0	134988.3	132100.2	128330.8	123259.4	115066.4	102941.6
0°	132664.1	135512.3	135785.9	135261.7	135785.9	135512.3	132664.1	128856.6	123873.9	116036.3	104043.5
-2.5°	132100.2	134988.3	135814.0	135785.9	135814.0	134988.3	132100.2	128330.8	123259.4	115066.4	102941.6
-5°	130500.0	133269.8	134988.3	135512.3	134988.3	133269.8	130500.0	126793.6	121259.0	112231.1	99698.6
-7.5°	127835.9	130500.0	132100.2	132664.1	132100.2	130500.0	127835.9	123931.7	117648.3	107728.0	94485.9
-10°	123931.7	126793.6	128330.8	128856.6	128330.8	126793.6	123931.7	119214.6	111441.0	101074.2	87615.5
-12.5°	117648.3	121259.0	123259.4	123873.9	123259.4	121259.0	117648.3	111441.0	103358.8	91668.1	80430.6
-15°	107728.0	112231.1	115066.4	116036.3	115066.4	112231.1	107728.0	101074.2	91668.1	82076.2	72566.6
-17.5°	94485.9	99698.6	102941.6	104043.5	102941.6	99698.6	94485.9	87615.5	80430.6	72566.6	65002.1
-20°	80898.3	84810.2	87224.0	88040.5	87224.0	84810.2	80898.3	75632.9	70041.4	63811.3	57577.3



REPORT NUMBER: P701461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-HEG-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	69097.8	71993.1	73769.3	74368.2	73769.3	71993.1	69097.8	65170.6	60625.1	55616.0	49957.3
-25°	58808.5	61096.2	62493.6	62963.8	62493.6	61096.2	58808.5	55687.5	51794.3	47186.0	41978.4
-27.5°	49124.8	51201.7	52466.4	52891.2	52466.4	51201.7	49124.8	46278.7	42717.9	38582.1	33867.1
-30°	39394.8	41239.7	42360.4	42736.3	42360.4	41239.7	39394.8	36857.9	33670.2	30889.1	28061.7
-32.5°	30796.9	31888.7	32550.7	32772.5	32550.7	31888.7	30796.9	29291.4	27393.3	25421.6	23476.2
-35°	24943.1	25686.2	26136.0	26286.6	26136.0	25686.2	24943.1	23916.2	22617.9	21108.6	19526.2
-37.5°	20365.0	20963.9	21326.0	21447.2	21326.0	20963.9	20365.0	19535.8	18485.2	17223.5	15818.5
-40°	16229.8	16756.8	17075.1	17181.5	17075.1	16756.8	16229.8	15499.1	14571.5	13455.1	12050.3
-42.5°	12108.7	12648.9	12974.9	13083.9	12974.9	12648.9	12108.7	11358.8	10405.3	9255.6	7880.1
-45°	7550.8	8078.7	8397.0	8503.4	8397.0	8078.7	7550.8	6817.3	5883.4	4755.5	3581.1
-47.5°	3417.7	3532.3	3601.4	3624.5	3601.4	3532.3	3417.7	3258.2	3054.9	2809.1	2522.2
-50°	2410.2	2442.8	2462.5	2469.1	2462.5	2442.8	2410.2	2364.7	2306.6	2236.4	2154.3
-52.5°	2089.0	2100.5	2107.5	2109.8	2107.5	2100.5	2089.0	2073.0	2052.5	2027.6	1998.5
-55°	1928.9	1952.4	1966.6	1971.3	1966.6	1952.4	1928.9	1896.0	1854.1	1803.3	1743.7
-57.5°	1616.7	1641.5	1656.5	1661.5	1656.5	1641.5	1616.7	1582.0	1537.7	1483.9	1420.8
-60°	1266.3	1286.2	1298.1	1302.1	1298.1	1286.2	1266.3	1238.7	1203.2	1160.2	1109.8
-62.5°	957.8	973.3	982.6	985.7	982.6	973.3	957.8	936.2	908.6	875.0	835.5
-65°	691.6	703.0	709.8	712.1	709.8	703.0	691.6	675.8	655.4	630.8	601.7
-67.5°	473.3	481.4	486.3	487.9	486.3	481.4	473.3	462.0	447.5	429.9	409.3
-70°	298.8	304.0	307.2	308.2	307.2	304.0	298.8	291.5	282.2	270.8	257.5
-72.5°	172.1	174.5	175.9	176.4	175.9	174.5	172.1	168.8	164.5	159.4	153.3
-75°	104.6	106.0	106.8	107.1	106.8	106.0	104.6	102.6	100.1	97.1	93.5
-77.5°	58.2	58.8	59.2	59.3	59.2	58.8	58.2	57.3	56.1	54.8	53.1
-80°	32.6	32.8	33.0	33.0	33.0	32.8	32.6	32.3	31.9	31.4	30.8
-82.5°	21.2	21.3	21.4	21.4	21.4	21.3	21.2	21.0	20.8	20.6	20.3
-85°	13.1	13.1	13.2	13.2	13.2	13.1	13.1	13.0	12.9	12.7	12.6
-87.5°	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.4	6.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P701461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-HEG-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.2	6.1	6.0	5.9	5.7	5.6	5.4	5.2	5.1	4.9	4.7
85°	12.4	12.2	12.0	11.7	11.4	11.1	10.8	10.5	10.1	9.7	9.3
82.5°	19.9	19.5	19.1	18.6	18.1	17.5	16.9	16.3	15.6	14.9	14.2
80°	30.2	29.4	28.6	27.7	26.7	25.7	24.5	23.3	22.1	20.9	19.9
77.5°	51.3	49.1	46.8	44.2	41.5	38.4	35.2	32.5	30.9	29.2	27.4
75°	89.4	84.8	79.7	74.1	68.0	61.4	56.6	52.5	48.1	43.5	38.7
72.5°	146.3	138.4	129.7	120.1	109.7	101.2	93.0	84.2	74.9	65.2	56.9
70°	242.2	224.9	205.8	184.9	168.9	156.0	142.3	127.7	112.3	99.6	87.9
67.5°	385.5	358.9	329.3	299.9	274.2	246.5	216.9	185.6	163.8	145.6	126.5
65°	568.5	531.2	489.8	453.1	413.8	371.5	326.5	286.6	249.7	210.9	173.3
62.5°	790.4	739.7	688.7	638.4	584.0	525.5	468.1	415.3	359.6	303.1	258.5
60°	1052.1	987.3	925.1	857.4	784.2	706.9	638.4	566.0	489.8	425.5	358.9
57.5°	1348.7	1272.0	1193.4	1107.6	1014.9	925.1	833.8	737.4	649.8	563.0	475.6
55°	1675.7	1589.6	1492.1	1385.7	1274.8	1166.8	1052.1	938.4	828.6	713.9	615.9
52.5°	1958.1	1875.1	1783.6	1684.1	1563.3	1430.4	1291.0	1160.2	1023.3	894.7	766.5
50°	2090.9	2050.6	2006.3	1941.7	1825.8	1702.2	1556.8	1397.1	1238.7	1085.5	934.7
47.5°	2384.1	2270.9	2146.5	2071.9	2016.1	1938.5	1798.0	1648.6	1469.8	1286.2	1116.8
45°	3227.6	2834.0	2448.4	2303.1	2147.3	2060.5	1993.3	1862.7	1698.4	1506.5	1302.1
42.5°	6265.5	4471.5	3360.3	2858.2	2423.1	2246.1	2090.6	2015.5	1895.4	1714.5	1506.5
40°	10412.2	8596.4	6491.8	4217.3	3190.4	2583.0	2306.2	2105.7	2022.9	1895.4	1698.4
37.5°	14235.8	12415.8	10287.6	7968.0	5377.3	3392.6	2715.1	2326.3	2105.7	2015.5	1862.7
35°	17747.2	15841.9	13799.5	11438.3	8845.4	5963.8	3460.5	2715.1	2306.2	2090.6	1993.3
32.5°	21314.9	19206.3	16937.6	14601.4	12020.9	9129.2	5963.8	3392.6	2583.0	2246.1	2060.5
30°	25258.0	22686.0	20099.4	17506.0	14871.1	12020.9	8845.4	5377.3	3190.4	2423.1	2147.3
27.5°	30079.0	26374.5	23391.9	20400.2	17506.0	14601.4	11438.3	7968.0	4217.3	2858.2	2303.1
25°	36326.3	31107.2	26869.2	23391.9	20099.4	16937.6	13799.5	10287.6	6491.8	3360.3	2448.4
22.5°	43734.9	37157.7	31107.2	26374.5	22686.0	19206.3	15841.9	12415.8	8596.4	4471.5	2834.0
20°	50897.2	43734.9	36326.3	30079.0	25258.0	21314.9	17747.2	14235.8	10412.2	6265.5	3227.6
17.5°	57577.3	49957.3	41978.4	33867.1	28061.7	23476.2	19526.2	15818.5	12050.3	7880.1	3581.1
15°	63811.3	55616.0	47186.0	38582.1	30889.1	25421.6	21108.6	17223.5	13455.1	9255.6	4755.5
12.5°	70041.4	60625.1	51794.3	42717.9	33670.2	27393.3	22617.9	18485.2	14571.5	10405.3	5883.4
10°	75632.9	65170.6	55687.5	46278.7	36857.9	29291.4	23916.2	19535.8	15499.1	11358.8	6817.3
7.5°	80898.3	69097.8	58808.5	49124.8	39394.8	30796.9	24943.1	20365.0	16229.8	12108.7	7550.8
5°	84810.2	71993.1	61096.2	51201.7	41239.7	31888.7	25686.2	20963.9	16756.8	12648.9	8078.7
2.5°	87224.0	73769.3	62493.6	52466.4	42360.4	32550.7	26136.0	21326.0	17075.1	12974.9	8397.0
0°	88040.5	74368.2	62963.8	52891.2	42736.3	32772.5	26286.6	21447.2	17181.5	13083.9	8503.4
-2.5°	87224.0	73769.3	62493.6	52466.4	42360.4	32550.7	26136.0	21326.0	17075.1	12974.9	8397.0
-5°	84810.2	71993.1	61096.2	51201.7	41239.7	31888.7	25686.2	20963.9	16756.8	12648.9	8078.7
-7.5°	80898.3	69097.8	58808.5	49124.8	39394.8	30796.9	24943.1	20365.0	16229.8	12108.7	7550.8
-10°	75632.9	65170.6	55687.5	46278.7	36857.9	29291.4	23916.2	19535.8	15499.1	11358.8	6817.3
-12.5°	70041.4	60625.1	51794.3	42717.9	33670.2	27393.3	22617.9	18485.2	14571.5	10405.3	5883.4
-15°	63811.3	55616.0	47186.0	38582.1	30889.1	25421.6	21108.6	17223.5	13455.1	9255.6	4755.5
-17.5°	57577.3	49957.3	41978.4	33867.1	28061.7	23476.2	19526.2	15818.5	12050.3	7880.1	3581.1
-20°	50897.2	43734.9	36326.3	30079.0	25258.0	21314.9	17747.2	14235.8	10412.2	6265.5	3227.6



REPORT NUMBER: P701461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-HEG-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	43734.9	37157.7	31107.2	26374.5	22686.0	19206.3	15841.9	12415.8	8596.4	4471.5	2834.0
-25°	36326.3	31107.2	26869.2	23391.9	20099.4	16937.6	13799.5	10287.6	6491.8	3360.3	2448.4
-27.5°	30079.0	26374.5	23391.9	20400.2	17506.0	14601.4	11438.3	7968.0	4217.3	2858.2	2303.1
-30°	25258.0	22686.0	20099.4	17506.0	14871.1	12020.9	8845.4	5377.3	3190.4	2423.1	2147.3
-32.5°	21314.9	19206.3	16937.6	14601.4	12020.9	9129.2	5963.8	3392.6	2583.0	2246.1	2060.5
-35°	17747.2	15841.9	13799.5	11438.3	8845.4	5963.8	3460.5	2715.1	2306.2	2090.6	1993.3
-37.5°	14235.8	12415.8	10287.6	7968.0	5377.3	3392.6	2715.1	2326.3	2105.7	2015.5	1862.7
-40°	10412.2	8596.4	6491.8	4217.3	3190.4	2583.0	2306.2	2105.7	2022.9	1895.4	1698.4
-42.5°	6265.5	4471.5	3360.3	2858.2	2423.1	2246.1	2090.6	2015.5	1895.4	1714.5	1506.5
-45°	3227.6	2834.0	2448.4	2303.1	2147.3	2060.5	1993.3	1862.7	1698.4	1506.5	1302.1
-47.5°	2384.1	2270.9	2146.5	2071.9	2016.1	1938.5	1798.0	1648.6	1469.8	1286.2	1116.8
-50°	2090.9	2050.6	2006.3	1941.7	1825.8	1702.2	1556.8	1397.1	1238.7	1085.5	934.7
-52.5°	1958.1	1875.1	1783.6	1684.1	1563.3	1430.4	1291.0	1160.2	1023.3	894.7	766.5
-55°	1675.7	1589.6	1492.1	1385.7	1274.8	1166.8	1052.1	938.4	828.6	713.9	615.9
-57.5°	1348.7	1272.0	1193.4	1107.6	1014.9	925.1	833.8	737.4	649.8	563.0	475.6
-60°	1052.1	987.3	925.1	857.4	784.2	706.9	638.4	566.0	489.8	425.5	358.9
-62.5°	790.4	739.7	688.7	638.4	584.0	525.5	468.1	415.3	359.6	303.1	258.5
-65°	568.5	531.2	489.8	453.1	413.8	371.5	326.5	286.6	249.7	210.9	173.3
-67.5°	385.5	358.9	329.3	299.9	274.2	246.5	216.9	185.6	163.8	145.6	126.5
-70°	242.2	224.9	205.8	184.9	168.9	156.0	142.3	127.7	112.3	99.6	87.9
-72.5°	146.3	138.4	129.7	120.1	109.7	101.2	93.0	84.2	74.9	65.2	56.9
-75°	89.4	84.8	79.7	74.1	68.0	61.4	56.6	52.5	48.1	43.5	38.7
-77.5°	51.3	49.1	46.8	44.2	41.5	38.4	35.2	32.5	30.9	29.2	27.4
-80°	30.2	29.4	28.6	27.7	26.7	25.7	24.5	23.3	22.1	20.9	19.9
-82.5°	19.9	19.5	19.1	18.6	18.1	17.5	16.9	16.3	15.6	14.9	14.2
-85°	12.4	12.2	12.0	11.7	11.4	11.1	10.8	10.5	10.1	9.7	9.3
-87.5°	6.2	6.1	6.0	5.9	5.7	5.6	5.4	5.2	5.1	4.9	4.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P701461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-HEG-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.5	4.2	4.0	3.8	3.5	3.3	3.0	2.8	2.5	2.3	2.0
85°	8.9	8.5	8.0	7.6	7.1	6.6	6.1	5.6	5.0	4.5	4.0
82.5°	13.4	12.7	12.0	11.3	10.6	9.9	9.1	8.3	7.6	6.8	5.9
80°	18.9	17.8	16.7	15.5	14.4	13.1	12.1	11.1	10.1	9.0	7.9
77.5°	25.6	23.7	21.7	20.2	18.7	17.2	15.6	14.0	12.5	11.2	9.9
75°	33.7	31.0	28.7	26.2	23.7	21.2	19.3	17.4	15.4	13.5	11.8
72.5°	51.1	45.0	38.8	32.7	29.7	26.7	23.6	20.7	18.5	16.2	13.8
70°	75.7	63.1	54.2	46.8	39.2	32.3	28.8	25.2	21.5	18.8	16.2
67.5°	106.8	92.6	77.9	62.7	52.6	43.8	34.9	29.8	25.7	21.5	18.5
65°	151.2	128.2	105.3	88.5	71.2	56.1	46.2	36.0	29.8	25.2	20.7
62.5°	212.1	169.9	143.8	117.0	95.0	75.5	57.3	46.2	34.9	28.8	23.6
60°	294.6	242.2	188.0	153.3	123.3	97.1	75.5	56.1	43.8	32.3	26.7
57.5°	400.5	322.9	260.3	200.1	156.4	123.3	95.0	71.2	52.6	39.2	29.7
55°	514.7	425.7	339.6	266.4	200.1	153.3	117.0	88.5	62.7	46.8	32.7
52.5°	648.0	535.9	434.1	339.6	260.3	188.0	143.8	105.3	77.9	54.2	38.8
50°	792.9	658.7	535.9	425.7	322.9	242.2	169.9	128.2	92.6	63.1	45.0
47.5°	948.1	792.9	648.0	514.7	400.5	294.6	212.1	151.2	106.8	75.7	51.1
45°	1116.8	934.7	766.5	615.9	475.6	358.9	258.5	173.3	126.5	87.9	56.9
42.5°	1286.2	1085.5	894.7	713.9	563.0	425.5	303.1	210.9	145.6	99.6	65.2
40°	1469.8	1238.7	1023.3	828.6	649.8	489.8	359.6	249.7	163.8	112.3	74.9
37.5°	1648.6	1397.1	1160.2	938.4	737.4	566.0	415.3	286.6	185.6	127.7	84.2
35°	1798.0	1556.8	1291.0	1052.1	833.8	638.4	468.1	326.5	216.9	142.3	93.0
32.5°	1938.5	1702.2	1430.4	1166.8	925.1	706.9	525.5	371.5	246.5	156.0	101.2
30°	2016.1	1825.8	1563.3	1274.8	1014.9	784.2	584.0	413.8	274.2	168.9	109.7
27.5°	2071.9	1941.7	1684.1	1385.7	1107.6	857.4	638.4	453.1	299.9	184.9	120.1
25°	2146.5	2006.3	1783.6	1492.1	1193.4	925.1	688.7	489.8	329.3	205.8	129.7
22.5°	2270.9	2050.6	1875.1	1589.6	1272.0	987.3	739.7	531.2	358.9	224.9	138.4
20°	2384.1	2090.9	1958.1	1675.7	1348.7	1052.1	790.4	568.5	385.5	242.2	146.3
17.5°	2522.2	2154.3	1998.5	1743.7	1420.8	1109.8	835.5	601.7	409.3	257.5	153.3
15°	2809.1	2236.4	2027.6	1803.3	1483.9	1160.2	875.0	630.8	429.9	270.8	159.4
12.5°	3054.9	2306.6	2052.5	1854.1	1537.7	1203.2	908.6	655.4	447.5	282.2	164.5
10°	3258.2	2364.7	2073.0	1896.0	1582.0	1238.7	936.2	675.8	462.0	291.5	168.8
7.5°	3417.7	2410.2	2089.0	1928.9	1616.7	1266.3	957.8	691.6	473.3	298.8	172.1
5°	3532.3	2442.8	2100.5	1952.4	1641.5	1286.2	973.3	703.0	481.4	304.0	174.5
2.5°	3601.4	2462.5	2107.5	1966.6	1656.5	1298.1	982.6	709.8	486.3	307.2	175.9
0°	3624.5	2469.1	2109.8	1971.3	1661.5	1302.1	985.7	712.1	487.9	308.2	176.4
-2.5°	3601.4	2462.5	2107.5	1966.6	1656.5	1298.1	982.6	709.8	486.3	307.2	175.9
-5°	3532.3	2442.8	2100.5	1952.4	1641.5	1286.2	973.3	703.0	481.4	304.0	174.5
-7.5°	3417.7	2410.2	2089.0	1928.9	1616.7	1266.3	957.8	691.6	473.3	298.8	172.1
-10°	3258.2	2364.7	2073.0	1896.0	1582.0	1238.7	936.2	675.8	462.0	291.5	168.8
-12.5°	3054.9	2306.6	2052.5	1854.1	1537.7	1203.2	908.6	655.4	447.5	282.2	164.5
-15°	2809.1	2236.4	2027.6	1803.3	1483.9	1160.2	875.0	630.8	429.9	270.8	159.4
-17.5°	2522.2	2154.3	1998.5	1743.7	1420.8	1109.8	835.5	601.7	409.3	257.5	153.3
-20°	2384.1	2090.9	1958.1	1675.7	1348.7	1052.1	790.4	568.5	385.5	242.2	146.3



REPORT NUMBER: P701461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-HEG-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2270.9	2050.6	1875.1	1589.6	1272.0	987.3	739.7	531.2	358.9	224.9	138.4
-25°	2146.5	2006.3	1783.6	1492.1	1193.4	925.1	688.7	489.8	329.3	205.8	129.7
-27.5°	2071.9	1941.7	1684.1	1385.7	1107.6	857.4	638.4	453.1	299.9	184.9	120.1
-30°	2016.1	1825.8	1563.3	1274.8	1014.9	784.2	584.0	413.8	274.2	168.9	109.7
-32.5°	1938.5	1702.2	1430.4	1166.8	925.1	706.9	525.5	371.5	246.5	156.0	101.2
-35°	1798.0	1556.8	1291.0	1052.1	833.8	638.4	468.1	326.5	216.9	142.3	93.0
-37.5°	1648.6	1397.1	1160.2	938.4	737.4	566.0	415.3	286.6	185.6	127.7	84.2
-40°	1469.8	1238.7	1023.3	828.6	649.8	489.8	359.6	249.7	163.8	112.3	74.9
-42.5°	1286.2	1085.5	894.7	713.9	563.0	425.5	303.1	210.9	145.6	99.6	65.2
-45°	1116.8	934.7	766.5	615.9	475.6	358.9	258.5	173.3	126.5	87.9	56.9
-47.5°	948.1	792.9	648.0	514.7	400.5	294.6	212.1	151.2	106.8	75.7	51.1
-50°	792.9	658.7	535.9	425.7	322.9	242.2	169.9	128.2	92.6	63.1	45.0
-52.5°	648.0	535.9	434.1	339.6	260.3	188.0	143.8	105.3	77.9	54.2	38.8
-55°	514.7	425.7	339.6	266.4	200.1	153.3	117.0	88.5	62.7	46.8	32.7
-57.5°	400.5	322.9	260.3	200.1	156.4	123.3	95.0	71.2	52.6	39.2	29.7
-60°	294.6	242.2	188.0	153.3	123.3	97.1	75.5	56.1	43.8	32.3	26.7
-62.5°	212.1	169.9	143.8	117.0	95.0	75.5	57.3	46.2	34.9	28.8	23.6
-65°	151.2	128.2	105.3	88.5	71.2	56.1	46.2	36.0	29.8	25.2	20.7
-67.5°	106.8	92.6	77.9	62.7	52.6	43.8	34.9	29.8	25.7	21.5	18.5
-70°	75.7	63.1	54.2	46.8	39.2	32.3	28.8	25.2	21.5	18.8	16.2
-72.5°	51.1	45.0	38.8	32.7	29.7	26.7	23.6	20.7	18.5	16.2	13.8
-75°	33.7	31.0	28.7	26.2	23.7	21.2	19.3	17.4	15.4	13.5	11.8
-77.5°	25.6	23.7	21.7	20.2	18.7	17.2	15.6	14.0	12.5	11.2	9.9
-80°	18.9	17.8	16.7	15.5	14.4	13.1	12.1	11.1	10.1	9.0	7.9
-82.5°	13.4	12.7	12.0	11.3	10.6	9.9	9.1	8.3	7.6	6.8	5.9
-85°	8.9	8.5	8.0	7.6	7.1	6.6	6.1	5.6	5.0	4.5	4.0
-87.5°	4.5	4.2	4.0	3.8	3.5	3.3	3.0	2.8	2.5	2.3	2.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-HEG-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	1.4	1.1	0.9	0.6	0.3	0.0
85°	3.4	2.9	2.3	1.7	1.1	0.6	0.0
82.5°	5.1	4.3	3.4	2.6	1.7	0.9	0.0
80°	6.8	5.7	4.6	3.4	2.3	1.1	0.0
77.5°	8.5	7.1	5.7	4.3	2.9	1.4	0.0
75°	10.1	8.5	6.8	5.1	3.4	1.7	0.0
72.5°	11.8	9.9	7.9	5.9	4.0	2.0	0.0
70°	13.5	11.2	9.0	6.8	4.5	2.3	0.0
67.5°	15.4	12.5	10.1	7.6	5.0	2.5	0.0
65°	17.4	14.0	11.1	8.3	5.6	2.8	0.0
62.5°	19.3	15.6	12.1	9.1	6.1	3.0	0.0
60°	21.2	17.2	13.1	9.9	6.6	3.3	0.0
57.5°	23.7	18.7	14.4	10.6	7.1	3.5	0.0
55°	26.2	20.2	15.5	11.3	7.6	3.8	0.0
52.5°	28.7	21.7	16.7	12.0	8.0	4.0	0.0
50°	31.0	23.7	17.8	12.7	8.5	4.2	0.0
47.5°	33.7	25.6	18.9	13.4	8.9	4.5	0.0
45°	38.7	27.4	19.9	14.2	9.3	4.7	0.0
42.5°	43.5	29.2	20.9	14.9	9.7	4.9	0.0
40°	48.1	30.9	22.1	15.6	10.1	5.1	0.0
37.5°	52.5	32.5	23.3	16.3	10.5	5.2	0.0
35°	56.6	35.2	24.5	16.9	10.8	5.4	0.0
32.5°	61.4	38.4	25.7	17.5	11.1	5.6	0.0
30°	68.0	41.5	26.7	18.1	11.4	5.7	0.0
27.5°	74.1	44.2	27.7	18.6	11.7	5.9	0.0
25°	79.7	46.8	28.6	19.1	12.0	6.0	0.0
22.5°	84.8	49.1	29.4	19.5	12.2	6.1	0.0
20°	89.4	51.3	30.2	19.9	12.4	6.2	0.0
17.5°	93.5	53.1	30.8	20.3	12.6	6.3	0.0
15°	97.1	54.8	31.4	20.6	12.7	6.4	0.0
12.5°	100.1	56.1	31.9	20.8	12.9	6.4	0.0
10°	102.6	57.3	32.3	21.0	13.0	6.5	0.0
7.5°	104.6	58.2	32.6	21.2	13.1	6.5	0.0
5°	106.0	58.8	32.8	21.3	13.1	6.6	0.0
2.5°	106.8	59.2	33.0	21.4	13.2	6.6	0.0
0°	107.1	59.3	33.0	21.4	13.2	6.6	0.0
-2.5°	106.8	59.2	33.0	21.4	13.2	6.6	0.0
-5°	106.0	58.8	32.8	21.3	13.1	6.6	0.0
-7.5°	104.6	58.2	32.6	21.2	13.1	6.5	0.0
-10°	102.6	57.3	32.3	21.0	13.0	6.5	0.0
-12.5°	100.1	56.1	31.9	20.8	12.9	6.4	0.0
-15°	97.1	54.8	31.4	20.6	12.7	6.4	0.0
-17.5°	93.5	53.1	30.8	20.3	12.6	6.3	0.0
-20°	89.4	51.3	30.2	19.9	12.4	6.2	0.0



REPORT NUMBER: P701461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-HEG-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	84.8	49.1	29.4	19.5	12.2	6.1	0.0
-25°	79.7	46.8	28.6	19.1	12.0	6.0	0.0
-27.5°	74.1	44.2	27.7	18.6	11.7	5.9	0.0
-30°	68.0	41.5	26.7	18.1	11.4	5.7	0.0
-32.5°	61.4	38.4	25.7	17.5	11.1	5.6	0.0
-35°	56.6	35.2	24.5	16.9	10.8	5.4	0.0
-37.5°	52.5	32.5	23.3	16.3	10.5	5.2	0.0
-40°	48.1	30.9	22.1	15.6	10.1	5.1	0.0
-42.5°	43.5	29.2	20.9	14.9	9.7	4.9	0.0
-45°	38.7	27.4	19.9	14.2	9.3	4.7	0.0
-47.5°	33.7	25.6	18.9	13.4	8.9	4.5	0.0
-50°	31.0	23.7	17.8	12.7	8.5	4.2	0.0
-52.5°	28.7	21.7	16.7	12.0	8.0	4.0	0.0
-55°	26.2	20.2	15.5	11.3	7.6	3.8	0.0
-57.5°	23.7	18.7	14.4	10.6	7.1	3.5	0.0
-60°	21.2	17.2	13.1	9.9	6.6	3.3	0.0
-62.5°	19.3	15.6	12.1	9.1	6.1	3.0	0.0
-65°	17.4	14.0	11.1	8.3	5.6	2.8	0.0
-67.5°	15.4	12.5	10.1	7.6	5.0	2.5	0.0
-70°	13.5	11.2	9.0	6.8	4.5	2.3	0.0
-72.5°	11.8	9.9	7.9	5.9	4.0	2.0	0.0
-75°	10.1	8.5	6.8	5.1	3.4	1.7	0.0
-77.5°	8.5	7.1	5.7	4.3	2.9	1.4	0.0
-80°	6.8	5.7	4.6	3.4	2.3	1.1	0.0
-82.5°	5.1	4.3	3.4	2.6	1.7	0.9	0.0
-85°	3.4	2.9	2.3	1.7	1.1	0.6	0.0
-87.5°	1.7	1.4	1.1	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(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

