

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: P574522 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-80-2S-CV2**

Issue Date: 10/17/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P574522 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/17/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680R-40-80-2S-CV2  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 2S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

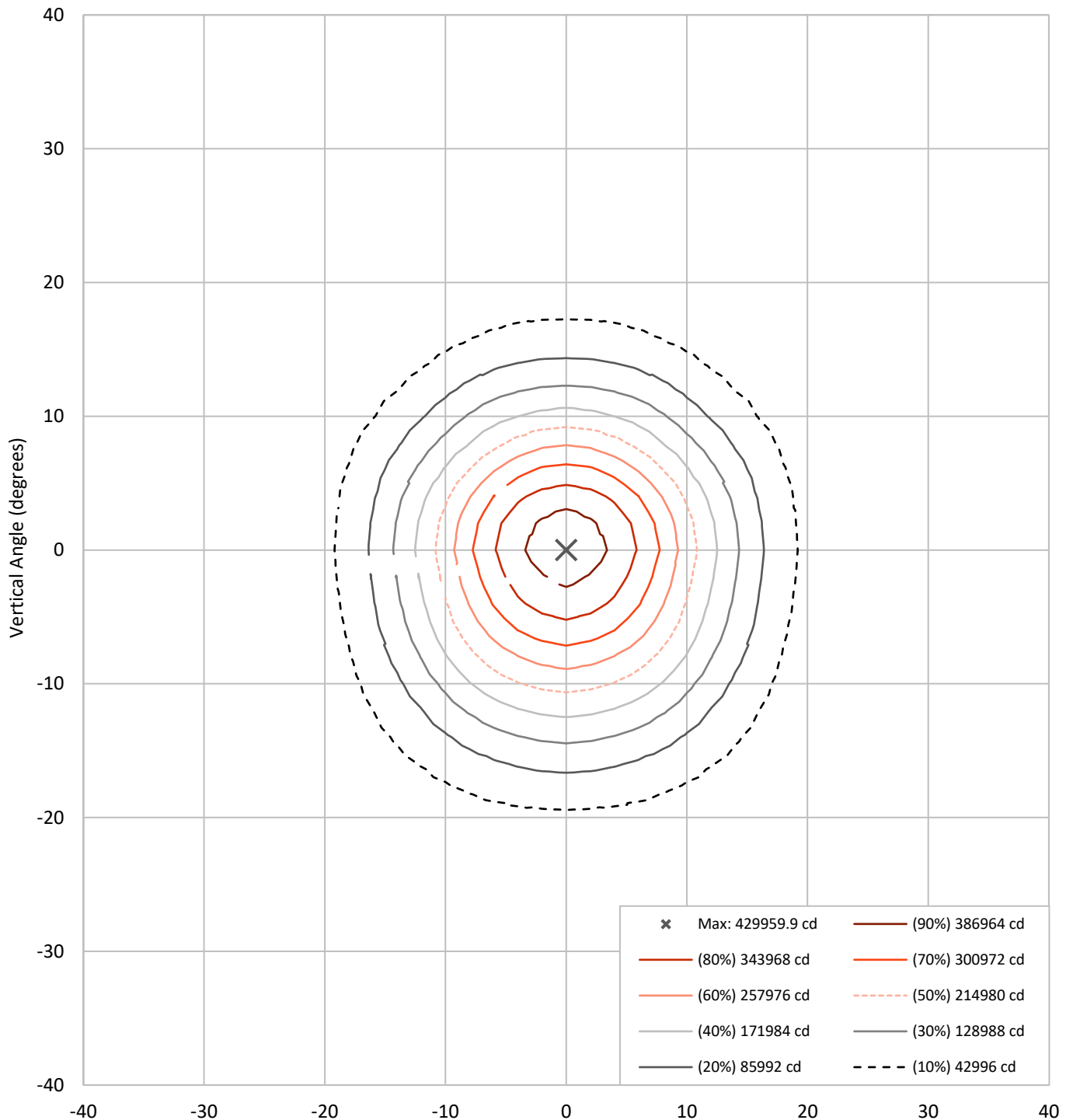
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	66558.7 lumens	Max Intensity:	429959.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	92.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.7°H x 19.8°V	Field Angle (10%):	38.4°H x 36.6°V
Beam Lumens:	30769.5 lumens	Field Lumens:	57399.5 lumens
Beam Efficiency:	46.2%	Field Efficiency:	86.2%

Input Watts (W): 720  
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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### Iso-Candela Plot





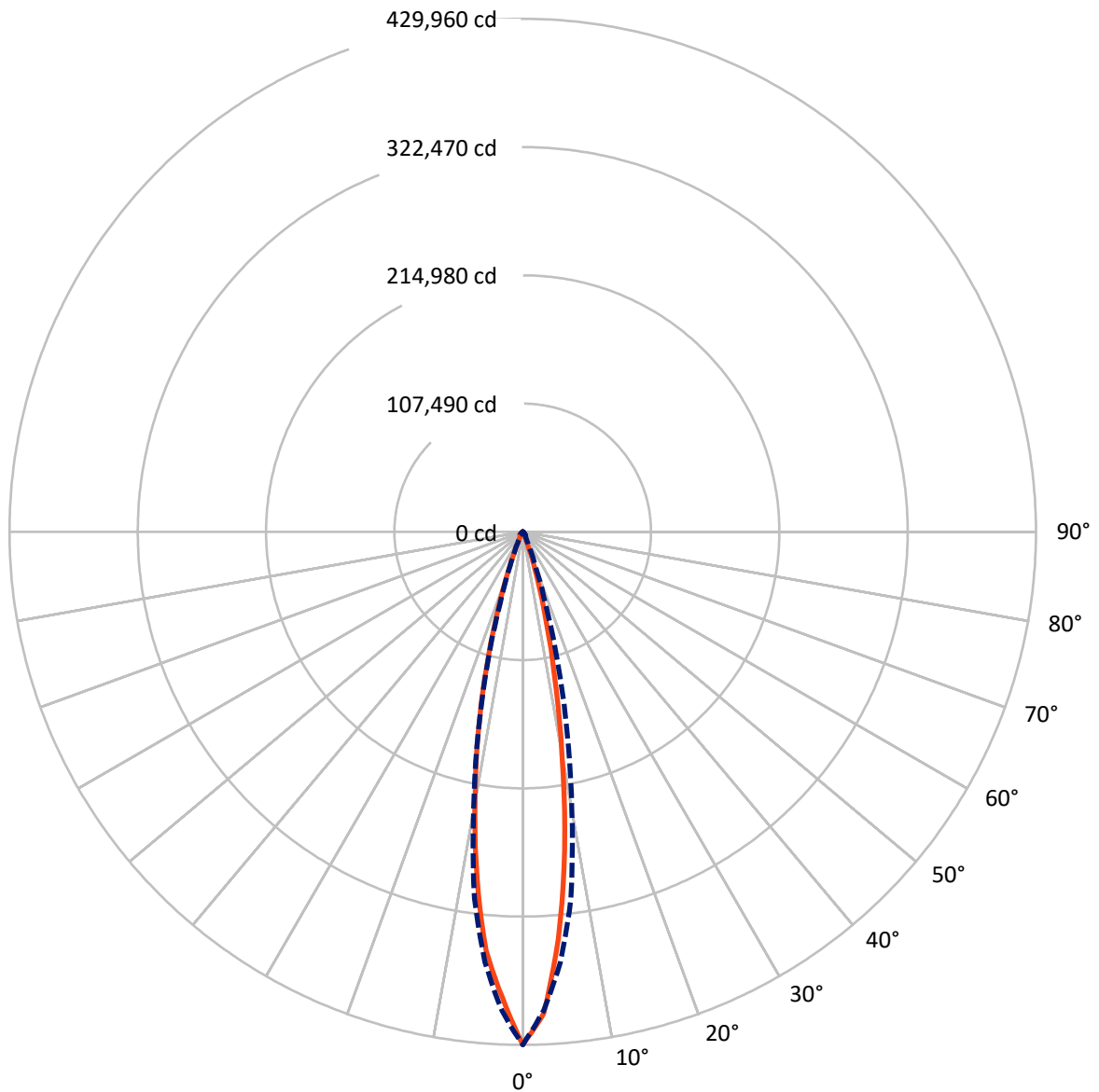
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### Lumen Table

90	0.1	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.4	0.1				
80	0.1	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.4	0.1				
70	0.2	0.1	0.2	0.6	0.7	0.4	0.3	0.2	0.2	0.3	0.4	0.7	0.6	0.2	0.1	0.2
60		0.1	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.1	
50	0.2	0.2	0.4	0.5	0.7	0.9	1.2	1.3	1.3	1.2	0.9	0.7	0.5	0.4	0.2	0.2
40		0.2	0.9	1.8	3.9	6.2	7.5	8.7	8.7	7.5	6.2	3.9	1.8	0.9	0.2	
30	0.2	0.4	2.7	9.3	24.7	36.3	63.5	139.8	139.8	63.5	36.3	24.7	9.3	2.7	0.4	0.2
20		0.9	6.2	24.0	56.6	110.7	687.9	2146.3	2146.3	687.9	110.7	56.6	24.0	6.2	0.9	
10	0.3	1.7	10.7	44.5	92.4	297.9	2811.2	8373.5	8373.5	2811.2	297.9	92.4	44.5	10.7	1.7	0.3
0		2.8	13.9	52.2	103.6	298.9	2979.3	8730.1	8730.1	2979.3	298.9	103.6	52.2	13.9	2.8	
-10	0.5	3.3	14.2	48.2	102.2	170.9	1096.9	3165.8	3165.8	1096.9	170.9	102.2	48.2	14.2	3.3	0.5
-20		3.0	12.0	28.8	72.7	107.0	167.0	326.9	326.9	167.0	107.0	72.7	28.8	12.0	3.0	
-30	0.5	2.6	8.8	18.0	40.2	76.9	99.7	109.5	109.5	99.7	76.9	40.2	18.0	8.8	2.6	0.5
-40		1.7	6.1	13.3	22.7	37.6	65.4	88.3	88.3	65.4	37.6	22.7	13.3	6.1	1.7	
-50	0.3	0.8	3.6	8.6	15.8	23.6	30.3	34.0	34.0	30.3	23.6	15.8	8.6	3.6	0.8	0.3
-60		0.3	1.3	4.1	8.4	13.6	19.1	22.5	22.5	19.1	13.6	8.4	4.1	1.3	0.3	
-70	0.2	0.3	1.3	4.1	8.4	13.6	19.1	22.5	22.5	19.1	13.6	8.4	4.1	1.3	0.3	0.2
-80		0.2	1.0	3.1	7.7	11.2	7.7	3.1	1.0	0.2						
-90	0.2	1.0	3.1	7.7	11.2	7.7	3.1	1.0	0.2							

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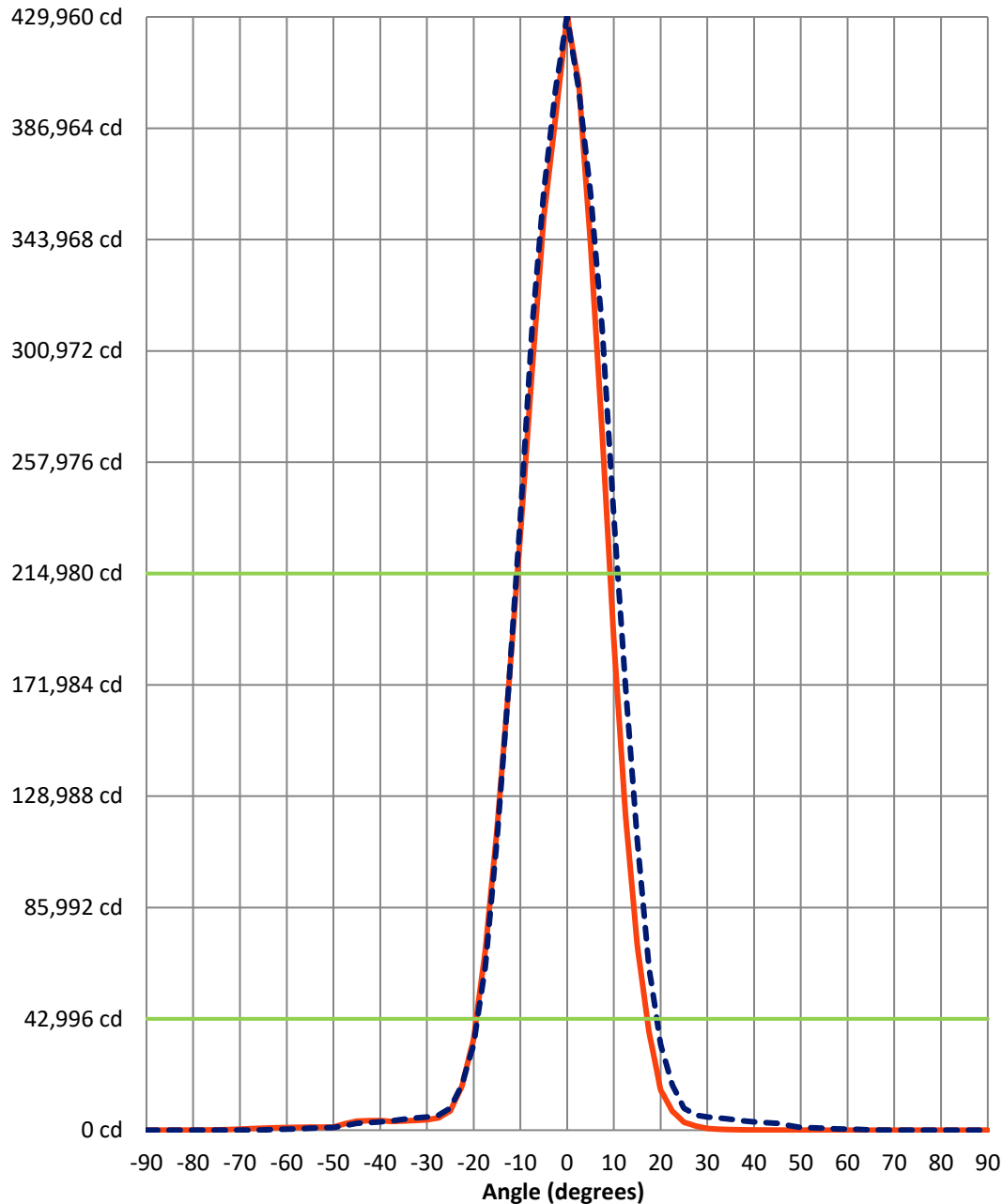
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 21.7°  
V Angle: 19.8°  
Lumens: 30769.5  
Efficiency: 46.2%

**Field:**  
H Angle: 38.4°  
V Angle: 36.6°  
Lumens: 57399.5  
Efficiency: 86.2%

**Spill:**  
Lumens: 9159.2  
Efficiency: 13.8%

— Vertical Distribution through 0-Deg  
- - Horizontal Distribution through 0-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°	6.9	6.9	6.9	7.4	7.8	8.2	8.7	8.7	8.7	8.7	8.7
87.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.6	6.3	6.1	5.9
85°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.7	6.6	6.6	6.6
82.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
80°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
77.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
75°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
72.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
70°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.0
67.5°	6.9	6.9	6.9	6.9	6.9	6.9	7.0	6.9	6.9	7.2	7.1
65°	6.9	6.9	6.9	6.9	6.9	7.0	7.0	6.9	7.3	7.5	7.3
62.5°	6.9	6.9	6.9	6.9	6.9	7.1	7.1	7.2	7.7	7.8	7.4
60°	6.9	6.9	6.9	6.9	6.9	7.3	7.2	7.7	8.2	7.8	7.4
57.5°	6.9	6.9	6.9	6.9	7.1	7.4	7.6	8.2	8.3	7.9	7.5
55°	6.9	6.9	6.9	6.9	7.2	7.6	7.9	8.7	8.4	8.0	7.6
52.5°	6.9	6.9	7.0	6.9	7.4	7.8	8.2	8.7	8.5	8.1	7.7
50°	6.9	6.9	7.0	6.9	7.6	8.0	8.5	8.7	8.6	8.2	9.1
47.5°	6.9	6.9	7.1	6.9	7.8	8.2	8.7	8.7	8.7	8.3	10.4
45°	6.9	6.9	7.1	7.1	8.1	8.4	8.7	8.7	8.8	9.1	11.4
42.5°	6.9	6.9	7.2	7.3	8.3	8.5	8.7	8.8	8.9	9.7	12.7
40°	6.9	6.9	7.2	7.5	8.5	8.6	8.7	8.9	9.2	10.1	14.0
37.5°	6.9	6.9	7.3	7.7	8.5	8.7	8.7	9.1	9.9	11.2	15.2
35°	6.9	6.9	7.4	7.9	8.6	8.7	8.7	9.3	10.7	13.0	15.8
32.5°	6.9	6.9	7.5	8.0	8.7	8.7	8.8	9.5	11.5	14.9	17.2
30°	6.9	6.9	7.6	8.2	8.7	8.7	8.9	9.9	12.5	16.8	19.0
27.5°	6.9	6.9	7.6	8.3	8.7	8.7	9.1	10.6	13.7	18.8	21.1
25°	6.9	6.9	7.7	8.4	8.7	8.7	9.3	11.4	15.3	20.6	23.5
22.5°	6.9	6.9	7.8	8.5	8.7	8.7	9.5	12.1	16.9	22.5	28.0
20°	6.9	6.9	7.9	8.5	8.7	8.9	9.7	12.9	18.5	24.5	32.2
17.5°	6.9	6.9	8.0	8.6	8.7	9.0	10.1	13.7	20.0	26.5	36.3
15°	6.9	6.9	8.1	8.6	8.7	9.2	10.4	14.4	21.5	28.7	40.0
12.5°	6.9	6.9	8.2	8.7	8.7	9.4	10.8	15.1	23.0	30.9	43.5
10°	6.9	6.9	8.3	8.7	8.7	9.6	11.1	15.7	24.5	34.2	48.7
7.5°	6.9	6.9	8.4	8.7	8.7	9.8	11.4	16.2	25.9	37.9	58.6
5°	6.9	6.9	8.5	8.7	8.7	10.0	11.7	16.6	27.3	41.6	68.8
2.5°	6.9	6.9	8.6	8.7	8.7	10.2	11.9	17.0	28.5	45.2	78.9
0°	6.9	6.9	8.7	8.7	8.7	10.4	12.2	17.3	29.5	48.6	88.5
-2.5°	6.9	6.9	8.7	8.8	8.8	10.8	13.6	21.4	38.2	63.5	114.3
-5°	6.9	7.0	8.7	8.9	9.0	11.1	14.9	25.2	46.5	77.7	138.6
-7.5°	6.9	7.0	8.7	9.0	9.1	11.5	16.1	28.8	54.1	90.9	160.9
-10°	6.9	7.1	8.7	9.1	9.3	11.8	17.2	32.0	61.0	102.9	180.5
-12.5°	6.9	7.1	8.6	9.2	9.4	12.0	18.2	34.7	66.8	113.3	192.1
-15°	6.9	7.1	8.6	9.3	9.6	12.2	18.9	36.8	72.0	121.4	199.0
-17.5°	6.9	7.2	8.6	9.4	9.7	12.3	19.5	39.2	76.9	128.1	203.7
-20°	6.9	7.2	8.6	9.4	9.9	12.4	20.0	41.4	80.5	133.2	206.0



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 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.9	7.2	8.5	9.5	10.0	12.5	20.8	42.5	82.7	136.6	205.9
-25°	6.9	7.2	8.5	9.5	10.1	12.6	21.0	42.5	83.5	138.3	203.3
-27.5°	6.9	7.3	8.5	9.5	10.3	12.8	20.9	41.1	82.7	138.4	204.2
-30°	6.9	7.3	8.5	9.5	10.4	12.9	20.2	38.5	81.1	137.2	203.1
-32.5°	6.9	7.3	8.4	9.4	10.6	12.9	19.0	37.0	78.0	133.9	199.6
-35°	6.9	7.3	8.4	9.4	10.8	12.7	18.5	35.6	72.9	128.4	193.7
-37.5°	6.9	7.3	8.4	9.3	10.9	12.7	18.3	33.4	65.7	120.7	178.9
-40°	6.9	7.3	8.4	9.2	11.0	12.8	18.0	30.4	56.6	110.9	162.4
-42.5°	6.9	7.3	8.4	9.1	10.9	12.9	17.5	26.6	50.2	95.6	144.6
-45°	6.9	7.4	8.4	9.0	10.8	12.8	16.8	23.7	44.9	79.0	125.4
-47.5°	6.9	7.3	8.4	8.8	10.6	12.7	16.0	22.7	38.5	61.9	106.0
-50°	6.9	7.3	8.4	8.8	10.4	12.5	15.6	21.5	30.6	52.7	85.9
-52.5°	6.9	7.3	8.4	8.8	10.2	12.2	15.1	20.0	26.6	42.8	65.9
-55°	6.9	7.3	8.4	8.8	9.9	11.9	14.6	18.5	24.5	32.2	53.7
-57.5°	6.9	7.3	8.4	8.8	9.6	11.5	13.9	17.6	22.2	27.8	40.6
-60°	6.9	7.3	8.5	8.8	9.3	11.0	13.1	16.4	20.1	25.1	30.4
-62.5°	6.9	7.3	8.4	8.8	9.3	10.6	12.5	15.2	18.7	22.4	27.3
-65°	6.9	7.2	8.3	8.8	9.2	10.1	11.8	14.1	17.3	20.6	24.2
-67.5°	6.9	7.2	8.2	8.7	9.1	9.7	11.1	13.3	15.8	18.9	22.0
-70°	6.9	7.2	8.1	8.7	9.0	9.5	10.4	12.4	14.8	17.2	20.1
-72.5°	6.9	7.2	7.9	8.6	8.9	9.3	9.9	11.6	13.8	16.1	18.3
-75°	6.9	7.1	7.8	8.4	8.7	9.0	9.6	11.0	12.8	14.9	17.0
-77.5°	6.9	7.1	7.7	8.2	8.6	8.8	9.2	10.5	12.0	13.8	15.7
-80°	6.9	7.1	7.5	8.0	8.4	8.6	8.8	9.9	11.3	12.7	14.4
-82.5°	6.9	7.0	7.4	7.9	8.3	8.5	8.7	9.4	10.5	11.7	13.0
-85°	6.9	7.0	7.2	7.7	8.1	8.4	8.7	9.2	9.9	10.7	11.6
-87.5°	6.9	6.9	7.1	7.5	8.0	8.3	8.7	9.0	9.3	9.7	10.2
-90°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.5	6.1	5.6	5.2





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 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.7	8.7	8.7	8.7	9.1	9.6	10.0	10.4	10.9	11.3	11.7
87.5°	5.8	5.6	5.4	5.2	5.2	5.2	5.2	5.2	4.8	4.4	3.9
85°	6.4	6.1	5.6	5.2	5.2	5.2	5.2	5.2	4.8	4.4	3.9
82.5°	6.5	6.1	5.7	5.2	5.2	5.2	5.2	5.2	4.8	4.4	4.0
80°	6.5	6.1	5.7	5.3	5.2	5.2	5.2	5.2	4.8	4.5	4.3
77.5°	6.6	6.2	5.7	5.3	5.2	5.5	5.8	6.1	6.0	5.9	5.7
75°	6.6	6.2	6.0	6.0	6.3	6.6	6.9	6.9	6.6	6.2	5.8
72.5°	6.7	6.5	6.6	6.9	6.9	6.9	6.9	6.9	7.8	8.9	9.8
70°	6.8	6.9	6.9	6.9	6.9	7.3	9.1	11.6	14.0	15.9	18.3
67.5°	6.9	6.9	6.9	7.1	8.3	10.3	13.1	20.0	27.9	30.4	30.3
65°	6.9	6.9	7.3	8.5	10.2	15.6	23.1	32.4	39.4	38.4	35.9
62.5°	6.9	7.2	8.1	10.6	15.5	22.5	29.8	36.6	43.3	42.2	36.7
60°	7.0	7.3	10.2	15.2	20.4	26.0	33.0	37.4	41.8	43.1	33.9
57.5°	7.1	8.9	13.8	19.0	23.8	27.8	30.5	34.4	36.9	37.2	27.9
55°	8.1	11.7	16.9	22.0	25.4	24.4	26.3	28.6	29.6	27.3	19.8
52.5°	10.4	14.4	19.5	23.8	24.2	22.4	21.9	22.9	21.2	18.1	15.7
50°	12.3	16.8	21.8	24.3	23.7	21.3	18.1	17.7	17.1	15.8	14.4
47.5°	14.2	19.1	23.5	25.1	23.3	21.2	17.5	17.0	17.1	18.1	17.1
45°	16.0	20.5	25.0	25.3	24.0	22.3	20.7	19.0	22.3	23.4	23.3
42.5°	17.6	21.4	25.4	25.8	26.4	26.1	25.6	27.5	29.5	31.3	31.9
40°	18.3	22.0	26.7	30.1	30.2	31.6	35.1	38.4	38.6	40.9	42.3
37.5°	18.5	24.2	30.6	38.2	35.9	40.2	46.2	55.3	56.5	51.3	58.6
35°	18.5	27.2	40.9	49.8	48.6	51.5	65.8	79.0	85.0	76.4	88.1
32.5°	20.3	31.2	54.1	63.6	72.4	75.7	89.4	115.7	130.3	135.8	145.7
30°	24.7	43.4	69.3	79.5	104.3	120.7	132.2	163.5	190.4	271.7	332.1
27.5°	30.2	58.2	84.4	108.0	144.4	172.7	197.4	229.7	328.2	476.4	630.4
25°	35.4	78.2	101.0	144.9	194.3	232.5	266.4	312.1	518.5	822.2	951.9
22.5°	46.1	101.2	127.4	186.4	248.6	294.0	343.2	466.8	745.6	1202.0	1255.5
20°	63.5	123.4	163.4	232.9	308.9	355.6	420.9	629.2	1002.7	1351.4	1496.0
17.5°	82.3	147.5	203.0	287.8	380.0	432.8	509.2	785.7	1224.2	1534.6	1728.5
15°	101.8	173.3	241.0	347.9	455.2	528.1	685.9	1000.5	1399.2	1749.3	2032.0
12.5°	121.6	200.0	277.2	411.6	534.0	622.2	900.1	1328.1	1692.3	2020.2	2404.0
10°	141.2	227.1	311.5	477.2	614.8	714.6	1135.9	1661.0	2018.6	2339.3	2732.9
7.5°	180.4	263.6	347.7	542.6	696.1	804.6	1382.5	1991.9	2318.0	2619.0	3005.1
5°	223.2	308.6	403.3	620.5	777.6	887.6	1607.0	2311.8	2594.0	2865.4	3242.5
2.5°	264.9	351.4	457.1	695.3	855.5	959.5	1722.0	2487.5	2769.5	3054.3	3447.5
0°	303.6	392.1	508.3	763.4	928.1	1027.0	1805.9	2635.2	2916.2	3212.8	3627.4
-2.5°	335.9	433.5	562.4	795.7	948.2	1044.2	1778.3	2633.7	2970.9	3300.4	3729.4
-5°	362.8	472.2	612.3	822.3	964.4	1058.3	1723.8	2592.1	3016.1	3370.5	3806.4
-7.5°	383.9	507.8	657.2	843.2	974.4	1065.3	1699.7	2609.4	3096.7	3432.1	3856.6
-10°	395.4	522.0	660.4	842.3	976.2	1066.9	1646.6	2573.7	3163.6	3486.8	3877.9
-12.5°	380.0	516.1	651.8	833.7	976.8	1066.3	1544.5	2479.2	3218.4	3539.0	3858.5
-15°	362.9	507.2	637.8	816.6	976.9	1063.8	1388.3	2321.8	3187.4	3445.6	3777.7
-17.5°	345.0	495.3	618.2	790.6	977.3	1059.6	1166.4	1984.1	2876.4	3248.1	3647.2
-20°	327.2	480.3	592.6	755.4	972.1	1031.2	1080.8	1641.1	2423.0	2997.0	3400.2



REPORT NUMBER: P574522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	310.2	462.3	566.7	721.7	896.7	982.2	1029.4	1309.1	1956.1	2691.7	3031.2
-25°	301.0	435.7	544.1	670.1	818.1	931.3	971.9	1029.9	1543.9	2209.0	2694.5
-27.5°	296.2	412.5	514.0	618.8	745.3	870.1	914.0	964.5	1226.2	1736.7	2340.7
-30°	288.5	383.0	482.1	572.0	685.0	791.8	855.9	913.7	984.8	1368.3	1846.1
-32.5°	271.1	352.3	447.6	535.2	628.9	723.5	813.7	876.7	934.7	1038.7	1416.6
-35°	250.8	326.4	411.6	497.1	576.2	668.5	762.3	844.7	891.6	940.0	1106.7
-37.5°	233.9	298.9	374.9	457.4	533.6	617.2	708.3	795.4	860.2	904.4	967.6
-40°	215.7	269.9	341.8	416.9	491.5	567.0	650.8	735.5	816.3	883.9	934.8
-42.5°	196.1	248.2	308.7	376.0	447.5	518.5	591.5	672.1	757.2	845.3	911.3
-45°	174.6	225.4	275.9	338.8	402.0	468.2	536.1	607.3	693.4	777.8	861.5
-47.5°	151.6	200.9	249.6	301.0	359.3	418.3	479.1	551.5	627.3	707.0	785.5
-50°	127.7	173.6	222.4	269.3	319.0	371.1	425.3	496.7	568.9	637.8	708.4
-52.5°	104.6	144.7	191.5	238.9	282.9	328.7	380.7	443.3	510.9	577.6	640.4
-55°	80.8	117.9	158.1	203.8	249.1	290.0	338.9	394.6	451.6	514.9	575.8
-57.5°	62.3	90.7	125.9	165.0	208.9	253.9	300.5	347.4	399.3	453.0	505.5
-60°	46.5	67.1	94.1	127.8	164.2	208.2	259.1	305.6	349.7	393.5	441.5
-62.5°	32.2	48.5	67.5	90.9	122.6	158.7	202.4	250.5	301.9	340.7	379.0
-65°	28.8	33.2	46.4	63.8	81.5	111.5	146.1	184.0	227.6	267.3	308.8
-67.5°	25.2	29.1	33.4	40.2	55.9	72.5	90.2	121.0	154.1	182.5	212.1
-70°	22.8	25.2	28.6	32.5	36.4	43.2	57.7	73.1	88.4	105.0	128.8
-72.5°	20.6	22.8	25.0	27.1	30.4	33.8	37.1	40.3	49.1	61.1	72.1
-75°	18.7	20.4	22.4	24.4	26.1	28.0	30.3	33.1	35.9	38.7	41.7
-77.5°	16.8	18.0	19.6	21.4	22.8	23.9	25.3	27.0	28.7	30.4	32.0
-80°	15.1	15.6	16.4	17.6	18.8	19.9	20.8	21.6	22.6	23.9	25.3
-82.5°	13.5	13.9	14.3	14.6	15.3	16.1	17.0	17.9	18.5	19.1	19.8
-85°	11.9	12.2	12.5	12.7	13.0	13.4	13.8	14.3	14.6	14.9	15.2
-87.5°	10.3	10.4	10.6	10.7	11.0	11.3	11.5	11.7	11.8	12.0	12.1
-90°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.8	4.4	3.9



REPORT NUMBER: P574522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	12.2	12.2	12.2	12.2	12.2	14.8	17.4	20.0	22.6	26.5	30.3
87.5°	3.5	3.4	3.4	3.4	3.3	3.0	2.6	2.2	1.8	1.4	0.9
85°	3.5	3.5	3.5	3.5	3.5	3.1	2.7	2.2	1.8	1.8	1.8
82.5°	3.5	3.5	3.5	3.5	3.5	3.1	2.7	2.2	1.8	1.8	1.8
80°	4.0	4.0	3.9	3.8	3.5	3.1	2.7	2.3	1.8	1.8	1.8
77.5°	5.3	4.9	4.5	4.0	3.6	3.4	3.3	3.2	3.2	3.0	2.6
75°	5.4	5.2	5.4	5.1	4.5	4.2	4.1	3.9	3.6	3.4	3.4
72.5°	10.5	10.5	9.9	9.3	8.3	7.9	7.6	7.1	6.4	6.0	5.8
70°	19.1	18.7	18.0	16.5	14.1	12.2	11.0	9.9	8.7	8.3	8.4
67.5°	27.6	24.8	22.5	19.8	16.4	13.9	12.6	11.1	9.4	8.7	8.7
65°	32.0	26.1	22.3	19.3	17.1	14.7	12.4	10.3	8.4	7.5	7.8
62.5°	30.4	22.7	18.0	15.2	13.2	11.9	10.0	8.6	7.5	6.9	7.0
60°	25.2	16.9	12.8	11.4	10.0	8.8	8.2	7.5	6.6	5.8	6.0
57.5°	19.6	13.5	10.3	9.8	9.4	8.9	8.2	7.4	6.8	6.3	6.6
55°	14.6	12.0	10.5	10.6	10.4	9.5	8.6	8.5	8.3	8.0	8.3
52.5°	12.8	12.7	13.2	13.0	11.8	10.9	10.3	10.3	10.5	10.8	11.3
50°	14.5	15.0	14.8	13.6	13.3	12.9	12.2	12.9	13.9	14.3	14.6
47.5°	17.3	17.6	17.8	16.6	16.9	18.2	18.5	19.0	20.9	22.3	23.7
45°	22.2	24.1	24.6	25.3	25.8	28.4	29.8	30.4	35.8	38.4	38.7
42.5°	32.0	35.0	37.4	41.2	40.7	47.2	55.5	60.0	59.7	58.0	57.9
40°	46.9	52.1	63.5	69.7	76.3	83.8	84.6	75.3	75.4	84.8	84.3
37.5°	72.4	90.2	106.3	120.6	124.2	119.9	121.5	128.5	137.0	137.7	141.8
35°	122.0	158.0	166.3	177.3	189.4	178.0	176.5	187.9	184.0	203.5	217.5
32.5°	211.0	262.0	277.5	290.8	324.6	305.1	251.2	329.6	312.1	333.9	367.0
30°	335.6	436.0	503.6	523.8	532.3	534.6	585.2	630.1	665.6	713.0	780.2
27.5°	635.7	702.3	814.5	877.5	798.2	830.9	960.9	984.5	1118.4	1264.0	1383.4
25°	966.6	1041.3	1241.1	1266.2	1199.9	1321.6	1447.3	1473.4	1709.6	1881.1	2291.5
22.5°	1265.8	1391.0	1604.7	1665.4	1720.5	1865.2	2011.2	2185.5	2717.7	3377.5	4575.0
20°	1519.0	1658.7	1867.6	2036.3	2174.1	2358.6	2528.8	3123.6	4269.8	6776.8	9503.8
17.5°	1825.5	1912.1	2170.3	2395.9	2611.8	2876.2	3628.4	5130.7	8448.9	13911.4	19088.8
15°	2238.5	2410.6	2570.8	2815.0	3218.2	3987.1	5646.9	10540.3	17482.4	27010.5	38812.3
12.5°	2714.8	2952.1	3174.3	3381.5	3959.9	5773.3	11069.2	19555.1	31225.0	46530.9	69692.9
10°	3140.1	3502.7	3775.5	4136.8	5257.2	8783.8	16959.1	28956.0	49462.1	76506.3	106732.8
7.5°	3435.3	3866.2	4234.1	4771.4	6598.2	12572.7	23890.2	42572.8	71721.6	108161.9	148936.7
5°	3716.2	4202.1	4563.3	5224.2	7484.9	15204.7	29143.7	53922.9	93508.7	141659.5	194010.0
2.5°	3981.6	4498.6	4853.8	5629.8	8044.8	16404.3	31344.1	60979.0	107601.5	164636.2	226810.6
0°	4227.7	4716.9	5088.2	5820.3	8517.8	17556.1	33216.1	63254.0	112362.6	171401.1	236795.9
-2.5°	4181.8	4545.5	4956.4	5690.3	8067.7	16321.1	31034.5	60581.8	106772.9	163325.4	223477.5
-5°	4165.7	4460.6	4831.6	5496.8	7511.9	14102.6	27563.3	54548.5	97614.3	148579.4	204605.7
-7.5°	4178.0	4412.2	4702.3	5252.3	6840.6	11923.5	23965.1	47286.9	82858.0	126008.8	176602.8
-10°	4204.2	4385.4	4679.5	5163.3	6275.1	9530.2	18136.6	36432.5	65147.5	99468.5	138891.6
-12.5°	4249.6	4493.6	4788.8	5117.6	5706.8	7590.9	14263.9	28281.4	48168.0	72280.0	102277.5
-15°	4234.0	4548.6	4882.1	5085.1	5405.9	6454.6	9252.2	18673.9	33328.2	49319.8	67473.9
-17.5°	4119.9	4496.6	4643.1	4800.7	4995.9	5512.5	7073.9	11262.5	19607.2	30114.6	40328.3
-20°	3855.2	4045.8	4229.0	4417.1	4633.2	4918.3	5404.0	7035.6	9479.2	15441.5	20426.0



REPORT NUMBER: P574522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3358.3	3541.7	3700.4	4005.5	4223.7	4433.1	4700.6	5053.7	5993.5	7469.8	9923.4
-25°	2932.0	3045.0	3268.4	3624.5	3859.0	3984.4	4152.2	4286.1	4608.2	4951.1	5798.6
-27.5°	2591.3	2760.7	3036.0	3347.9	3572.7	3673.5	3761.7	3840.4	4042.7	4182.9	4423.6
-30°	2321.8	2596.1	2854.0	3139.4	3346.1	3466.0	3503.5	3617.1	3749.0	3849.1	3946.7
-32.5°	1935.1	2417.7	2652.3	2888.6	3122.0	3269.6	3370.8	3460.4	3584.2	3661.0	3699.4
-35°	1518.6	2012.7	2474.8	2633.3	2802.9	3015.0	3187.6	3278.7	3360.1	3434.2	3480.9
-37.5°	1146.1	1550.8	1980.9	2367.7	2549.3	2708.0	2959.1	3111.1	3185.0	3295.4	3358.2
-40°	993.9	1108.8	1475.7	1837.9	2163.9	2525.3	2769.5	3003.8	3235.5	3377.5	3469.6
-42.5°	959.8	1006.7	1050.3	1304.2	1630.1	1957.5	2317.4	2715.0	3047.4	3297.7	3530.3
-45°	932.4	968.0	1003.0	1042.8	1081.1	1331.5	1612.9	1909.1	2291.6	2662.0	2981.7
-47.5°	861.3	928.8	968.3	998.2	1029.4	1064.0	1095.9	1163.2	1420.3	1693.8	1953.5
-50°	780.5	847.5	907.4	962.9	1002.9	1029.8	1049.9	1076.2	1107.0	1134.3	1159.4
-52.5°	701.0	765.9	826.8	887.1	943.7	995.7	1043.7	1074.1	1097.4	1117.8	1130.6
-55°	634.1	690.1	744.7	804.3	862.5	917.8	970.0	1017.0	1061.1	1102.3	1126.0
-57.5°	561.0	616.0	670.7	725.8	778.8	829.8	880.2	929.3	975.8	1018.4	1044.2
-60°	488.6	534.9	589.3	645.8	698.6	747.8	798.0	845.6	889.7	927.2	950.2
-62.5°	420.7	463.9	509.1	559.3	613.7	666.8	711.4	756.4	801.4	840.1	866.6
-65°	348.7	384.9	421.5	460.9	502.4	545.9	590.5	634.5	677.3	712.3	737.5
-67.5°	246.7	282.7	317.6	352.6	384.6	416.7	450.9	485.4	519.7	547.9	570.1
-70°	152.0	174.6	195.7	218.4	245.2	273.1	301.6	328.2	352.9	371.1	384.6
-72.5°	82.0	91.1	102.0	119.0	134.8	151.5	168.8	185.3	200.9	212.4	221.0
-75°	44.9	49.0	56.0	62.7	69.0	76.3	83.9	91.0	97.5	104.1	110.0
-77.5°	34.0	36.1	37.9	39.5	41.0	43.6	46.6	49.5	52.5	56.5	60.6
-80°	26.6	27.6	28.6	29.7	30.7	32.5	34.4	36.3	38.1	40.0	41.8
-82.5°	20.5	21.0	21.5	21.9	22.3	23.5	24.7	25.8	26.9	28.8	30.7
-85°	15.5	15.8	16.2	16.4	16.7	17.6	18.5	19.5	20.4	21.8	23.2
-87.5°	12.2	12.6	12.9	13.3	13.7	14.4	14.9	15.4	15.8	17.1	18.4
-90°	3.5	3.1	2.7	2.2	1.8	1.8	1.8	1.8	1.8	1.4	0.9



REPORT NUMBER: P574522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	34.2	38.1	40.7	43.4	40.7	38.1	34.2	30.3	26.5	22.6	20.0
87.5°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	1.8	2.2
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3
77.5°	2.2	1.8	1.8	1.8	1.8	1.8	2.2	2.6	3.0	3.2	3.2
75°	3.4	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.6	3.9
72.5°	5.6	5.2	5.2	5.2	5.2	5.2	5.6	5.8	6.0	6.4	7.1
70°	8.5	8.6	8.7	8.7	8.7	8.6	8.5	8.4	8.3	8.7	9.9
67.5°	8.7	8.7	7.9	6.9	7.9	8.7	8.7	8.7	8.7	9.4	11.1
65°	8.2	8.6	7.9	6.9	7.9	8.6	8.2	7.8	7.5	8.4	10.3
62.5°	7.0	7.0	6.9	6.9	6.9	7.0	7.0	7.0	6.9	7.5	8.6
60°	6.4	6.8	6.9	6.9	6.9	6.8	6.4	6.0	5.8	6.6	7.5
57.5°	6.8	6.9	7.6	8.7	7.6	6.9	6.8	6.6	6.3	6.8	7.4
55°	8.5	8.6	8.7	8.7	8.7	8.6	8.5	8.3	8.0	8.3	8.5
52.5°	11.7	12.0	12.1	12.2	12.1	12.0	11.7	11.3	10.8	10.5	10.3
50°	15.0	15.4	15.0	13.9	15.0	15.4	15.0	14.6	14.3	13.9	12.9
47.5°	24.9	25.4	25.2	24.3	25.2	25.4	24.9	23.7	22.3	20.9	19.0
45°	39.7	39.7	39.6	39.9	39.6	39.7	39.7	38.7	38.4	35.8	30.4
42.5°	59.4	60.0	60.2	60.7	60.2	60.0	59.4	57.9	58.0	59.7	60.0
40°	85.8	86.3	85.3	83.3	85.3	86.3	85.8	84.3	84.8	75.4	75.3
37.5°	149.1	152.4	151.6	149.2	151.6	152.4	149.1	141.8	137.7	137.0	128.5
35°	222.6	220.5	214.6	215.1	214.6	220.5	222.6	217.5	203.5	184.0	187.9
32.5°	347.7	360.1	364.0	366.0	364.0	360.1	347.7	367.0	333.9	312.1	329.6
30°	827.6	802.6	691.6	657.5	691.6	802.6	827.6	780.2	713.0	665.6	630.1
27.5°	1470.3	1549.5	1622.0	1629.0	1622.0	1549.5	1470.3	1383.4	1264.0	1118.4	984.5
25°	2715.3	2982.1	3094.5	3079.2	3094.5	2982.1	2715.3	2291.5	1881.1	1709.6	1473.4
22.5°	5990.9	6901.2	7375.6	7392.0	7375.6	6901.2	5990.9	4575.0	3377.5	2717.7	2185.5
20°	13072.0	15269.0	15823.8	15658.2	15823.8	15269.0	13072.0	9503.8	6776.8	4269.8	3123.6
17.5°	26953.1	33452.4	37889.5	38194.9	37889.5	33452.4	26953.1	19088.8	13911.4	8448.9	5130.7
15°	52458.8	64405.9	70601.3	71653.9	70601.3	64405.9	52458.8	38812.3	27010.5	17482.4	10540.3
12.5°	91641.5	109825.9	119943.6	121675.0	119943.6	109825.9	91641.5	69692.9	46530.9	31225.0	19555.1
10°	139782.3	165145.0	181636.4	189080.3	181636.4	165145.0	139782.3	106732.8	76506.3	49462.1	28956.0
7.5°	189178.4	229135.5	261767.0	269165.4	261767.0	229135.5	189178.4	148936.7	108161.9	71721.6	42572.8
5°	250288.0	303864.3	335200.9	342437.9	335200.9	303864.3	250288.0	194010.0	141659.5	93508.7	53922.9
2.5°	295604.3	353207.9	386052.1	404101.2	386052.1	353207.9	295604.3	226810.6	164636.2	107601.5	60979.0
0°	309667.6	362082.6	401568.3	429959.9	401568.3	362082.6	309667.6	236795.9	171401.1	112362.6	63254.0
-2.5°	290632.6	346209.1	374860.1	390822.1	374860.1	346209.1	290632.6	223477.5	163325.4	106772.9	60581.8
-5°	260350.0	311437.3	342683.2	352315.7	342683.2	311437.3	260350.0	204605.7	148579.4	97614.3	54548.5
-7.5°	220675.6	257983.2	281383.5	293182.7	281383.5	257983.2	220675.6	176602.8	126008.8	82858.0	47286.9
-10°	177731.7	206046.3	223500.5	230028.4	223500.5	206046.3	177731.7	138891.6	99468.5	65147.5	36432.5
-12.5°	130177.2	152729.3	166138.5	171311.7	166138.5	152729.3	130177.2	102277.5	72280.0	48168.0	28281.4
-15°	85922.9	102179.7	112494.1	116095.9	112494.1	102179.7	85922.9	67473.9	49319.8	33328.2	18673.9
-17.5°	52077.7	61051.5	67728.4	69412.6	67728.4	61051.5	52077.7	40328.3	30114.6	19607.2	11262.5
-20°	27558.7	31596.9	33852.1	35377.6	33852.1	31596.9	27558.7	20426.0	15441.5	9479.2	7035.6



REPORT NUMBER: P574522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	13064.9	15264.1	16277.6	17051.3	16277.6	15264.1	13064.9	9923.4	7469.8	5993.5	5053.7
-25°	6538.5	6993.4	7191.5	7468.3	7191.5	6993.4	6538.5	5798.6	4951.1	4608.2	4286.1
-27.5°	4586.2	4693.0	4735.0	4769.0	4735.0	4693.0	4586.2	4423.6	4182.9	4042.7	3840.4
-30°	3996.6	4014.2	4011.7	4009.1	4011.7	4014.2	3996.6	3946.7	3849.1	3749.0	3617.1
-32.5°	3740.9	3759.6	3758.2	3755.8	3758.2	3759.6	3740.9	3699.4	3661.0	3584.2	3460.4
-35°	3511.0	3535.4	3547.4	3552.9	3547.4	3535.4	3511.0	3480.9	3434.2	3360.1	3278.7
-37.5°	3393.2	3398.4	3384.6	3368.9	3384.6	3398.4	3393.2	3358.2	3295.4	3185.0	3111.1
-40°	3514.9	3597.4	3680.2	3705.6	3680.2	3597.4	3514.9	3469.6	3377.5	3235.5	3003.8
-42.5°	3606.9	3659.9	3683.8	3676.0	3683.8	3659.9	3606.9	3530.3	3297.7	3047.4	2715.0
-45°	3193.0	3357.2	3454.4	3478.2	3454.4	3357.2	3193.0	2981.7	2662.0	2291.6	1909.1
-47.5°	2171.4	2355.3	2471.1	2508.6	2471.1	2355.3	2171.4	1953.5	1693.8	1420.3	1163.2
-50°	1183.7	1206.8	1214.4	1207.4	1214.4	1206.8	1183.7	1159.4	1134.3	1107.0	1076.2
-52.5°	1143.1	1156.9	1165.7	1171.0	1165.7	1156.9	1143.1	1130.6	1117.8	1097.4	1074.1
-55°	1146.2	1163.8	1173.6	1177.9	1173.6	1163.8	1146.2	1126.0	1102.3	1061.1	1017.0
-57.5°	1067.0	1086.9	1096.4	1099.9	1096.4	1086.9	1067.0	1044.2	1018.4	975.8	929.3
-60°	971.2	990.0	997.3	999.3	997.3	990.0	971.2	950.2	927.2	889.7	845.6
-62.5°	891.2	913.5	922.9	926.4	922.9	913.5	891.2	866.6	840.1	801.4	756.4
-65°	759.6	778.7	785.0	785.8	785.0	778.7	759.6	737.5	712.3	677.3	634.5
-67.5°	590.0	607.1	613.2	614.1	613.2	607.1	590.0	570.1	547.9	519.7	485.4
-70°	395.5	403.7	407.2	407.7	407.2	403.7	395.5	384.6	371.1	352.9	328.2
-72.5°	227.7	232.7	234.3	234.2	234.3	232.7	227.7	221.0	212.4	200.9	185.3
-75°	115.4	120.1	121.2	121.5	121.2	120.1	115.4	110.0	104.1	97.5	91.0
-77.5°	64.7	68.8	69.3	69.4	69.3	68.8	64.7	60.6	56.5	52.5	49.5
-80°	43.4	45.0	45.2	45.2	45.2	45.0	43.4	41.8	40.0	38.1	36.3
-82.5°	32.6	34.5	34.6	34.6	34.6	34.5	32.6	30.7	28.8	26.9	25.8
-85°	24.6	26.0	26.8	27.7	26.8	26.0	24.6	23.2	21.8	20.4	19.5
-87.5°	19.6	20.9	21.7	22.6	21.7	20.9	19.6	18.4	17.1	15.8	15.4
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	1.8	1.8



REPORT NUMBER: P574522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	17.4	14.8	12.2	12.2	12.2	12.2	12.2	11.7	11.3	10.9	10.4
87.5°	2.6	3.0	3.3	3.4	3.4	3.4	3.5	3.9	4.4	4.8	5.2
85°	2.7	3.1	3.5	3.5	3.5	3.5	3.5	3.9	4.4	4.8	5.2
82.5°	2.7	3.1	3.5	3.5	3.5	3.5	3.5	4.0	4.4	4.8	5.2
80°	2.7	3.1	3.5	3.8	3.9	4.0	4.0	4.3	4.5	4.8	5.2
77.5°	3.3	3.4	3.6	4.0	4.5	4.9	5.3	5.7	5.9	6.0	6.1
75°	4.1	4.2	4.5	5.1	5.4	5.2	5.4	5.8	6.2	6.6	6.9
72.5°	7.6	7.9	8.3	9.3	9.9	10.5	10.5	9.8	8.9	7.8	6.9
70°	11.0	12.2	14.1	16.5	18.0	18.7	19.1	18.3	15.9	14.0	11.6
67.5°	12.6	13.9	16.4	19.8	22.5	24.8	27.6	30.3	30.4	27.9	20.0
65°	12.4	14.7	17.1	19.3	22.3	26.1	32.0	35.9	38.4	39.4	32.4
62.5°	10.0	11.9	13.2	15.2	18.0	22.7	30.4	36.7	42.2	43.3	36.6
60°	8.2	8.8	10.0	11.4	12.8	16.9	25.2	33.9	43.1	41.8	37.4
57.5°	8.2	8.9	9.4	9.8	10.3	13.5	19.6	27.9	37.2	36.9	34.4
55°	8.6	9.5	10.4	10.6	10.5	12.0	14.6	19.8	27.3	29.6	28.6
52.5°	10.3	10.9	11.8	13.0	13.2	12.7	12.8	15.7	18.1	21.2	22.9
50°	12.2	12.9	13.3	13.6	14.8	15.0	14.5	14.4	15.8	17.1	17.7
47.5°	18.5	18.2	16.9	16.6	17.8	17.6	17.3	17.1	18.1	17.1	17.0
45°	29.8	28.4	25.8	25.3	24.6	24.1	22.2	23.3	23.4	22.3	19.0
42.5°	55.5	47.2	40.7	41.2	37.4	35.0	32.0	31.9	31.3	29.5	27.5
40°	84.6	83.8	76.3	69.7	63.5	52.1	46.9	42.3	40.9	38.6	38.4
37.5°	121.5	119.9	124.2	120.6	106.3	90.2	72.4	58.6	51.3	56.5	55.3
35°	176.5	178.0	189.4	177.3	166.3	158.0	122.0	88.1	76.4	85.0	79.0
32.5°	251.2	305.1	324.6	290.8	277.5	262.0	211.0	145.7	135.8	130.3	115.7
30°	585.2	534.6	532.3	523.8	503.6	436.0	335.6	332.1	271.7	190.4	163.5
27.5°	960.9	830.9	798.2	877.5	814.5	702.3	635.7	630.4	476.4	328.2	229.7
25°	1447.3	1321.6	1199.9	1266.2	1241.1	1041.3	966.6	951.9	822.2	518.5	312.1
22.5°	2011.2	1865.2	1720.5	1665.4	1604.7	1391.0	1265.8	1255.5	1202.0	745.6	466.8
20°	2528.8	2358.6	2174.1	2036.3	1867.6	1658.7	1519.0	1496.0	1351.4	1002.7	629.2
17.5°	3628.4	2876.2	2611.8	2395.9	2170.3	1912.1	1825.5	1728.5	1534.6	1224.2	785.7
15°	5646.9	3987.1	3218.2	2815.0	2570.8	2410.6	2238.5	2032.0	1749.3	1399.2	1000.5
12.5°	11069.2	5773.3	3959.9	3381.5	3174.3	2952.1	2714.8	2404.0	2020.2	1692.3	1328.1
10°	16959.1	8783.8	5257.2	4136.8	3775.5	3502.7	3140.1	2732.9	2339.3	2018.6	1661.0
7.5°	23890.2	12572.7	6598.2	4771.4	4234.1	3866.2	3435.3	3005.1	2619.0	2318.0	1991.9
5°	29143.7	15204.7	7484.9	5224.2	4563.3	4202.1	3716.2	3242.5	2865.4	2594.0	2311.8
2.5°	31344.1	16404.3	8044.8	5629.8	4853.8	4498.6	3981.6	3447.5	3054.3	2769.5	2487.5
0°	33216.1	17556.1	8517.8	5820.3	5088.2	4716.9	4227.7	3627.4	3212.8	2916.2	2635.2
-2.5°	31034.5	16321.1	8067.7	5690.3	4956.4	4545.5	4181.8	3729.4	3300.4	2970.9	2633.7
-5°	27563.3	14102.6	7511.9	5496.8	4831.6	4460.6	4165.7	3806.4	3370.5	3016.1	2592.1
-7.5°	23965.1	11923.5	6840.6	5252.3	4702.3	4412.2	4178.0	3856.6	3432.1	3096.7	2609.4
-10°	18136.6	9530.2	6275.1	5163.3	4679.5	4385.4	4204.2	3877.9	3486.8	3163.6	2573.7
-12.5°	14263.9	7590.9	5706.8	5117.6	4788.8	4493.6	4249.6	3858.5	3539.0	3218.4	2479.2
-15°	9252.2	6454.6	5405.9	5085.1	4882.1	4548.6	4234.0	3777.7	3445.6	3187.4	2321.8
-17.5°	7073.9	5512.5	4995.9	4800.7	4643.1	4496.6	4119.9	3647.2	3248.1	2876.4	1984.1
-20°	5404.0	4918.3	4633.2	4417.1	4229.0	4045.8	3855.2	3400.2	2997.0	2423.0	1641.1





REPORT NUMBER: P574522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4700.6	4433.1	4223.7	4005.5	3700.4	3541.7	3358.3	3031.2	2691.7	1956.1	1309.1
-25°	4152.2	3984.4	3859.0	3624.5	3268.4	3045.0	2932.0	2694.5	2209.0	1543.9	1029.9
-27.5°	3761.7	3673.5	3572.7	3347.9	3036.0	2760.7	2591.3	2340.7	1736.7	1226.2	964.5
-30°	3503.5	3466.0	3346.1	3139.4	2854.0	2596.1	2321.8	1846.1	1368.3	984.8	913.7
-32.5°	3370.8	3269.6	3122.0	2888.6	2652.3	2417.7	1935.1	1416.6	1038.7	934.7	876.7
-35°	3187.6	3015.0	2802.9	2633.3	2474.8	2012.7	1518.6	1106.7	940.0	891.6	844.7
-37.5°	2959.1	2708.0	2549.3	2367.7	1980.9	1550.8	1146.1	967.6	904.4	860.2	795.4
-40°	2769.5	2525.3	2163.9	1837.9	1475.7	1108.8	993.9	934.8	883.9	816.3	735.5
-42.5°	2317.4	1957.5	1630.1	1304.2	1050.3	1006.7	959.8	911.3	845.3	757.2	672.1
-45°	1612.9	1331.5	1081.1	1042.8	1003.0	968.0	932.4	861.5	777.8	693.4	607.3
-47.5°	1095.9	1064.0	1029.4	998.2	968.3	928.8	861.3	785.5	707.0	627.3	551.5
-50°	1049.9	1029.8	1002.9	962.9	907.4	847.5	780.5	708.4	637.8	568.9	496.7
-52.5°	1043.7	995.7	943.7	887.1	826.8	765.9	701.0	640.4	577.6	510.9	443.3
-55°	970.0	917.8	862.5	804.3	744.7	690.1	634.1	575.8	514.9	451.6	394.6
-57.5°	880.2	829.8	778.8	725.8	670.7	616.0	561.0	505.5	453.0	399.3	347.4
-60°	798.0	747.8	698.6	645.8	589.3	534.9	488.6	441.5	393.5	349.7	305.6
-62.5°	711.4	666.8	613.7	559.3	509.1	463.9	420.7	379.0	340.7	301.9	250.5
-65°	590.5	545.9	502.4	460.9	421.5	384.9	348.7	308.8	267.3	227.6	184.0
-67.5°	450.9	416.7	384.6	352.6	317.6	282.7	246.7	212.1	182.5	154.1	121.0
-70°	301.6	273.1	245.2	218.4	195.7	174.6	152.0	128.8	105.0	88.4	73.1
-72.5°	168.8	151.5	134.8	119.0	102.0	91.1	82.0	72.1	61.1	49.1	40.3
-75°	83.9	76.3	69.0	62.7	56.0	49.0	44.9	41.7	38.7	35.9	33.1
-77.5°	46.6	43.6	41.0	39.5	37.9	36.1	34.0	32.0	30.4	28.7	27.0
-80°	34.4	32.5	30.7	29.7	28.6	27.6	26.6	25.3	23.9	22.6	21.6
-82.5°	24.7	23.5	22.3	21.9	21.5	21.0	20.5	19.8	19.1	18.5	17.9
-85°	18.5	17.6	16.7	16.4	16.2	15.8	15.5	15.2	14.9	14.6	14.3
-87.5°	14.9	14.4	13.7	13.3	12.9	12.6	12.2	12.1	12.0	11.8	11.7
-90°	1.8	1.8	1.8	2.2	2.7	3.1	3.5	3.9	4.4	4.8	5.2





REPORT NUMBER: P574522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	10.0	9.6	9.1	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
87.5°	5.2	5.2	5.2	5.2	5.4	5.6	5.8	5.9	6.1	6.3	6.6
85°	5.2	5.2	5.2	5.2	5.6	6.1	6.4	6.6	6.6	6.6	6.7
82.5°	5.2	5.2	5.2	5.2	5.7	6.1	6.5	6.9	6.9	6.9	6.9
80°	5.2	5.2	5.2	5.3	5.7	6.1	6.5	6.9	6.9	6.9	6.9
77.5°	5.8	5.5	5.2	5.3	5.7	6.2	6.6	6.9	6.9	6.9	6.9
75°	6.9	6.6	6.3	6.0	6.0	6.2	6.6	6.9	6.9	6.9	6.9
72.5°	6.9	6.9	6.9	6.9	6.6	6.5	6.7	6.9	6.9	6.9	6.9
70°	9.1	7.3	6.9	6.9	6.9	6.9	6.8	7.0	6.9	6.9	6.9
67.5°	13.1	10.3	8.3	7.1	6.9	6.9	6.9	7.1	7.2	6.9	6.9
65°	23.1	15.6	10.2	8.5	7.3	6.9	6.9	7.3	7.5	7.3	6.9
62.5°	29.8	22.5	15.5	10.6	8.1	7.2	6.9	7.4	7.8	7.7	7.2
60°	33.0	26.0	20.4	15.2	10.2	7.3	7.0	7.4	7.8	8.2	7.7
57.5°	30.5	27.8	23.8	19.0	13.8	8.9	7.1	7.5	7.9	8.3	8.2
55°	26.3	24.4	25.4	22.0	16.9	11.7	8.1	7.6	8.0	8.4	8.7
52.5°	21.9	22.4	24.2	23.8	19.5	14.4	10.4	7.7	8.1	8.5	8.7
50°	18.1	21.3	23.7	24.3	21.8	16.8	12.3	9.1	8.2	8.6	8.7
47.5°	17.5	21.2	23.3	25.1	23.5	19.1	14.2	10.4	8.3	8.7	8.7
45°	20.7	22.3	24.0	25.3	25.0	20.5	16.0	11.4	9.1	8.8	8.7
42.5°	25.6	26.1	26.4	25.8	25.4	21.4	17.6	12.7	9.7	8.9	8.8
40°	35.1	31.6	30.2	30.1	26.7	22.0	18.3	14.0	10.1	9.2	8.9
37.5°	46.2	40.2	35.9	38.2	30.6	24.2	18.5	15.2	11.2	9.9	9.1
35°	65.8	51.5	48.6	49.8	40.9	27.2	18.5	15.8	13.0	10.7	9.3
32.5°	89.4	75.7	72.4	63.6	54.1	31.2	20.3	17.2	14.9	11.5	9.5
30°	132.2	120.7	104.3	79.5	69.3	43.4	24.7	19.0	16.8	12.5	9.9
27.5°	197.4	172.7	144.4	108.0	84.4	58.2	30.2	21.1	18.8	13.7	10.6
25°	266.4	232.5	194.3	144.9	101.0	78.2	35.4	23.5	20.6	15.3	11.4
22.5°	343.2	294.0	248.6	186.4	127.4	101.2	46.1	28.0	22.5	16.9	12.1
20°	420.9	355.6	308.9	232.9	163.4	123.4	63.5	32.2	24.5	18.5	12.9
17.5°	509.2	432.8	380.0	287.8	203.0	147.5	82.3	36.3	26.5	20.0	13.7
15°	685.9	528.1	455.2	347.9	241.0	173.3	101.8	40.0	28.7	21.5	14.4
12.5°	900.1	622.2	534.0	411.6	277.2	200.0	121.6	43.5	30.9	23.0	15.1
10°	1135.9	714.6	614.8	477.2	311.5	227.1	141.2	48.7	34.2	24.5	15.7
7.5°	1382.5	804.6	696.1	542.6	347.7	263.6	180.4	58.6	37.9	25.9	16.2
5°	1607.0	887.6	777.6	620.5	403.3	308.6	223.2	68.8	41.6	27.3	16.6
2.5°	1722.0	959.5	855.5	695.3	457.1	351.4	264.9	78.9	45.2	28.5	17.0
0°	1805.9	1027.0	928.1	763.4	508.3	392.1	303.6	88.5	48.6	29.5	17.3
-2.5°	1778.3	1044.2	948.2	795.7	562.4	433.5	335.9	114.3	63.5	38.2	21.4
-5°	1723.8	1058.3	964.4	822.3	612.3	472.2	362.8	138.6	77.7	46.5	25.2
-7.5°	1699.7	1065.3	974.4	843.2	657.2	507.8	383.9	160.9	90.9	54.1	28.8
-10°	1646.6	1066.9	976.2	842.3	660.4	522.0	395.4	180.5	102.9	61.0	32.0
-12.5°	1544.5	1066.3	976.8	833.7	651.8	516.1	380.0	192.1	113.3	66.8	34.7
-15°	1388.3	1063.8	976.9	816.6	637.8	507.2	362.9	199.0	121.4	72.0	36.8
-17.5°	1166.4	1059.6	977.3	790.6	618.2	495.3	345.0	203.7	128.1	76.9	39.2
-20°	1080.8	1031.2	972.1	755.4	592.6	480.3	327.2	206.0	133.2	80.5	41.4



REPORT NUMBER: P574522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1029.4	982.2	896.7	721.7	566.7	462.3	310.2	205.9	136.6	82.7	42.5
-25°	971.9	931.3	818.1	670.1	544.1	435.7	301.0	203.3	138.3	83.5	42.5
-27.5°	914.0	870.1	745.3	618.8	514.0	412.5	296.2	204.2	138.4	82.7	41.1
-30°	855.9	791.8	685.0	572.0	482.1	383.0	288.5	203.1	137.2	81.1	38.5
-32.5°	813.7	723.5	628.9	535.2	447.6	352.3	271.1	199.6	133.9	78.0	37.0
-35°	762.3	668.5	576.2	497.1	411.6	326.4	250.8	193.7	128.4	72.9	35.6
-37.5°	708.3	617.2	533.6	457.4	374.9	298.9	233.9	178.9	120.7	65.7	33.4
-40°	650.8	567.0	491.5	416.9	341.8	269.9	215.7	162.4	110.9	56.6	30.4
-42.5°	591.5	518.5	447.5	376.0	308.7	248.2	196.1	144.6	95.6	50.2	26.6
-45°	536.1	468.2	402.0	338.8	275.9	225.4	174.6	125.4	79.0	44.9	23.7
-47.5°	479.1	418.3	359.3	301.0	249.6	200.9	151.6	106.0	61.9	38.5	22.7
-50°	425.3	371.1	319.0	269.3	222.4	173.6	127.7	85.9	52.7	30.6	21.5
-52.5°	380.7	328.7	282.9	238.9	191.5	144.7	104.6	65.9	42.8	26.6	20.0
-55°	338.9	290.0	249.1	203.8	158.1	117.9	80.8	53.7	32.2	24.5	18.5
-57.5°	300.5	253.9	208.9	165.0	125.9	90.7	62.3	40.6	27.8	22.2	17.6
-60°	259.1	208.2	164.2	127.8	94.1	67.1	46.5	30.4	25.1	20.1	16.4
-62.5°	202.4	158.7	122.6	90.9	67.5	48.5	32.2	27.3	22.4	18.7	15.2
-65°	146.1	111.5	81.5	63.8	46.4	33.2	28.8	24.2	20.6	17.3	14.1
-67.5°	90.2	72.5	55.9	40.2	33.4	29.1	25.2	22.0	18.9	15.8	13.3
-70°	57.7	43.2	36.4	32.5	28.6	25.2	22.8	20.1	17.2	14.8	12.4
-72.5°	37.1	33.8	30.4	27.1	25.0	22.8	20.6	18.3	16.1	13.8	11.6
-75°	30.3	28.0	26.1	24.4	22.4	20.4	18.7	17.0	14.9	12.8	11.0
-77.5°	25.3	23.9	22.8	21.4	19.6	18.0	16.8	15.7	13.8	12.0	10.5
-80°	20.8	19.9	18.8	17.6	16.4	15.6	15.1	14.4	12.7	11.3	9.9
-82.5°	17.0	16.1	15.3	14.6	14.3	13.9	13.5	13.0	11.7	10.5	9.4
-85°	13.8	13.4	13.0	12.7	12.5	12.2	11.9	11.6	10.7	9.9	9.2
-87.5°	11.5	11.3	11.0	10.7	10.6	10.4	10.3	10.2	9.7	9.3	9.0
-90°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.6	6.1	6.5



REPORT NUMBER: P574522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.7	8.2	7.8	7.4	6.9	6.9	6.9
87.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
85°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
82.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
80°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
77.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
75°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
72.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
70°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
67.5°	7.0	6.9	6.9	6.9	6.9	6.9	6.9
65°	7.0	7.0	6.9	6.9	6.9	6.9	6.9
62.5°	7.1	7.1	6.9	6.9	6.9	6.9	6.9
60°	7.2	7.3	6.9	6.9	6.9	6.9	6.9
57.5°	7.6	7.4	7.1	6.9	6.9	6.9	6.9
55°	7.9	7.6	7.2	6.9	6.9	6.9	6.9
52.5°	8.2	7.8	7.4	6.9	7.0	6.9	6.9
50°	8.5	8.0	7.6	6.9	7.0	6.9	6.9
47.5°	8.7	8.2	7.8	6.9	7.1	6.9	6.9
45°	8.7	8.4	8.1	7.1	7.1	6.9	6.9
42.5°	8.7	8.5	8.3	7.3	7.2	6.9	6.9
40°	8.7	8.6	8.5	7.5	7.2	6.9	6.9
37.5°	8.7	8.7	8.5	7.7	7.3	6.9	6.9
35°	8.7	8.7	8.6	7.9	7.4	6.9	6.9
32.5°	8.8	8.7	8.7	8.0	7.5	6.9	6.9
30°	8.9	8.7	8.7	8.2	7.6	6.9	6.9
27.5°	9.1	8.7	8.7	8.3	7.6	6.9	6.9
25°	9.3	8.7	8.7	8.4	7.7	6.9	6.9
22.5°	9.5	8.7	8.7	8.5	7.8	6.9	6.9
20°	9.7	8.9	8.7	8.5	7.9	6.9	6.9
17.5°	10.1	9.0	8.7	8.6	8.0	6.9	6.9
15°	10.4	9.2	8.7	8.6	8.1	6.9	6.9
12.5°	10.8	9.4	8.7	8.7	8.2	6.9	6.9
10°	11.1	9.6	8.7	8.7	8.3	6.9	6.9
7.5°	11.4	9.8	8.7	8.7	8.4	6.9	6.9
5°	11.7	10.0	8.7	8.7	8.5	6.9	6.9
2.5°	11.9	10.2	8.7	8.7	8.6	6.9	6.9
0°	12.2	10.4	8.7	8.7	8.7	6.9	6.9
-2.5°	13.6	10.8	8.8	8.8	8.7	6.9	6.9
-5°	14.9	11.1	9.0	8.9	8.7	7.0	6.9
-7.5°	16.1	11.5	9.1	9.0	8.7	7.0	6.9
-10°	17.2	11.8	9.3	9.1	8.7	7.1	6.9
-12.5°	18.2	12.0	9.4	9.2	8.6	7.1	6.9
-15°	18.9	12.2	9.6	9.3	8.6	7.1	6.9
-17.5°	19.5	12.3	9.7	9.4	8.6	7.2	6.9
-20°	20.0	12.4	9.9	9.4	8.6	7.2	6.9



REPORT NUMBER: P574522 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-2S-CV2

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20.8	12.5	10.0	9.5	8.5	7.2	6.9
-25°	21.0	12.6	10.1	9.5	8.5	7.2	6.9
-27.5°	20.9	12.8	10.3	9.5	8.5	7.3	6.9
-30°	20.2	12.9	10.4	9.5	8.5	7.3	6.9
-32.5°	19.0	12.9	10.6	9.4	8.4	7.3	6.9
-35°	18.5	12.7	10.8	9.4	8.4	7.3	6.9
-37.5°	18.3	12.7	10.9	9.3	8.4	7.3	6.9
-40°	18.0	12.8	11.0	9.2	8.4	7.3	6.9
-42.5°	17.5	12.9	10.9	9.1	8.4	7.3	6.9
-45°	16.8	12.8	10.8	9.0	8.4	7.4	6.9
-47.5°	16.0	12.7	10.6	8.8	8.4	7.3	6.9
-50°	15.6	12.5	10.4	8.8	8.4	7.3	6.9
-52.5°	15.1	12.2	10.2	8.8	8.4	7.3	6.9
-55°	14.6	11.9	9.9	8.8	8.4	7.3	6.9
-57.5°	13.9	11.5	9.6	8.8	8.4	7.3	6.9
-60°	13.1	11.0	9.3	8.8	8.5	7.3	6.9
-62.5°	12.5	10.6	9.3	8.8	8.4	7.3	6.9
-65°	11.8	10.1	9.2	8.8	8.3	7.2	6.9
-67.5°	11.1	9.7	9.1	8.7	8.2	7.2	6.9
-70°	10.4	9.5	9.0	8.7	8.1	7.2	6.9
-72.5°	9.9	9.3	8.9	8.6	7.9	7.2	6.9
-75°	9.6	9.0	8.7	8.4	7.8	7.1	6.9
-77.5°	9.2	8.8	8.6	8.2	7.7	7.1	6.9
-80°	8.8	8.6	8.4	8.0	7.5	7.1	6.9
-82.5°	8.7	8.5	8.3	7.9	7.4	7.0	6.9
-85°	8.7	8.4	8.1	7.7	7.2	7.0	6.9
-87.5°	8.7	8.3	8.0	7.5	7.1	6.9	6.9
-90°	6.9	6.9	6.9	6.9	6.9	6.9	6.9

(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

