

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: P701705 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-2S-CV5-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701705 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680R-57-70-2S-CV5-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

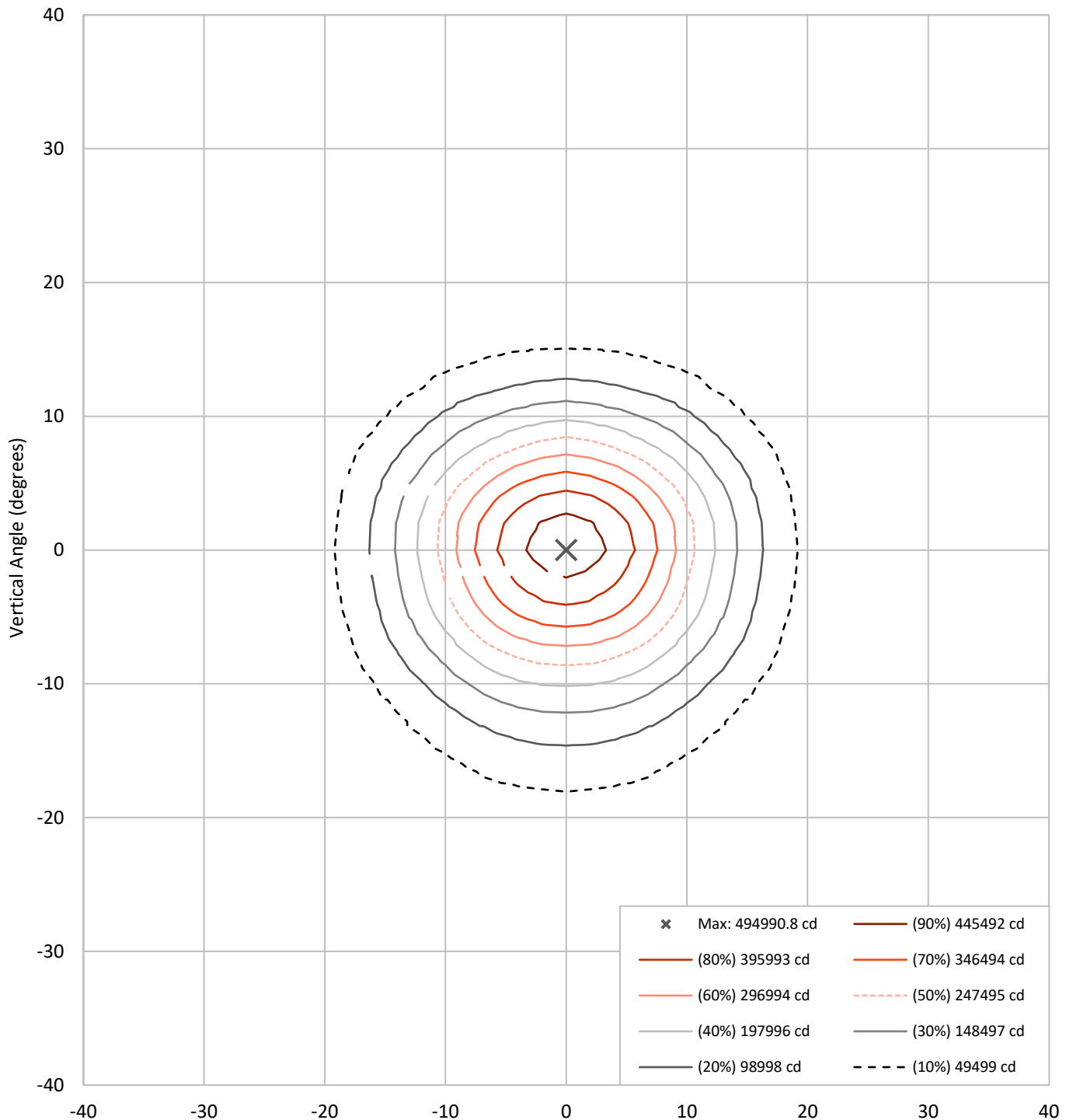
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	66764.1 lumens	Max Intensity:	494990.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	94.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.3°H x 17°V	Field Angle (10%):	38.4°H x 32.9°V
Beam Lumens:	29217.5 lumens	Field Lumens:	56552.7 lumens
Beam Efficiency:	43.8%	Field Efficiency:	84.7%

Input Watts (W): 703.6  
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





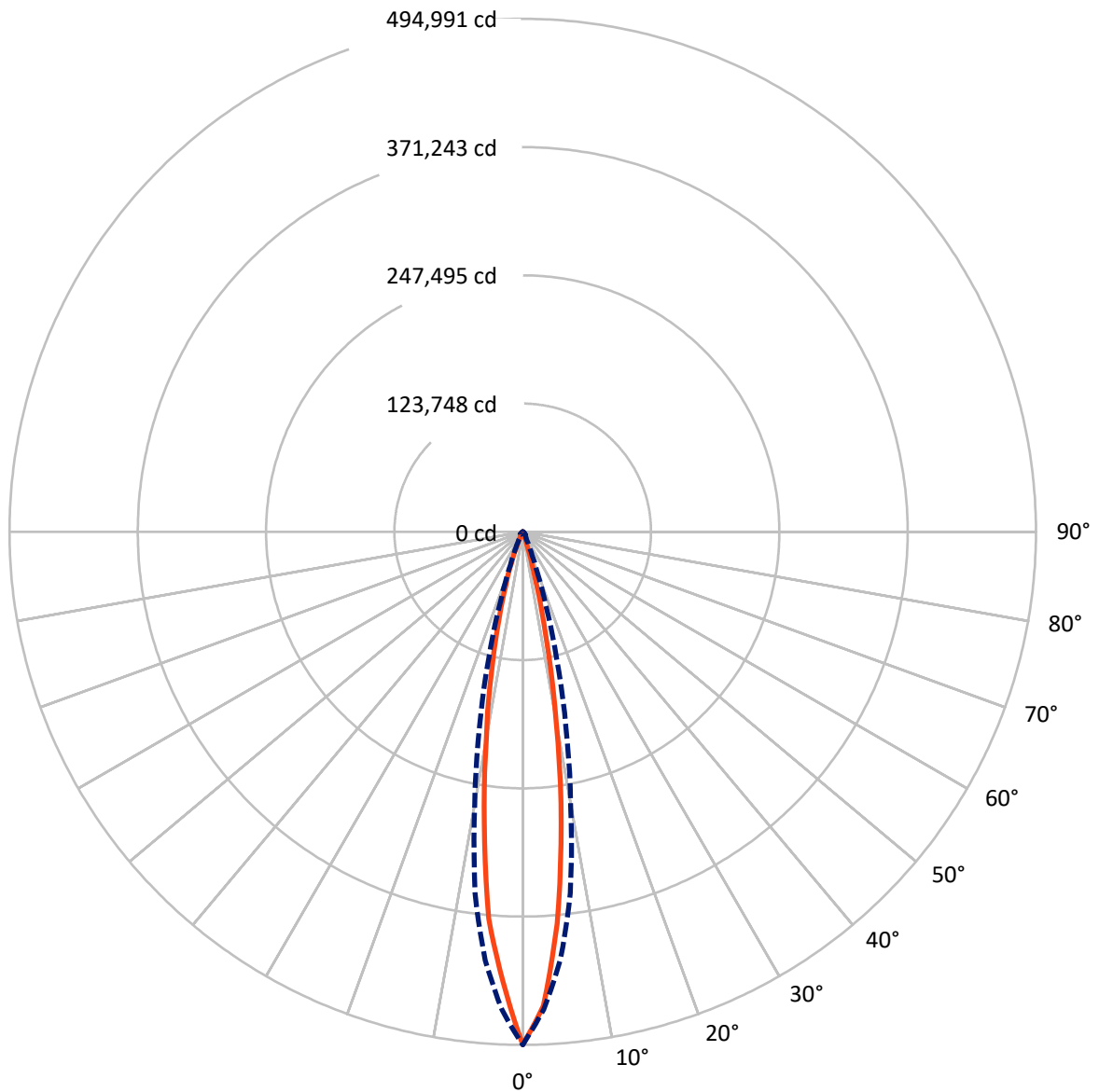
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### Lumen Table

90		0.2		0.5		0.8		0.8		1.0		0.8		0.8		0.5		0.2	
80		0.2		0.1		0.2		0.8		0.9		0.5		0.3		0.2		0.2	
70		0.2		0.1		0.4		0.7		0.4		0.2		0.2		0.2		0.3	
60		0.2		0.1		0.4		0.7		0.4		0.2		0.2		0.2		0.3	
50		0.2		0.2		0.5		0.4		0.4		0.4		0.4		0.5		0.2	
40		0.2		0.3		0.7		0.9		1.8		2.5		2.8		3.3		3.3	
30		0.3		0.5		1.7		4.3		8.3		10.7		18.9		40.1		40.1	
20		0.3		1.3		6.1		20.5		42.9		77.8		537.1		1654.4		1654.4	
10		0.4		2.3		12.7		49.9		100.0		317.7		3101.1		9218.3		9218.3	
0		0.4		3.1		15.1		58.3		114.2		331.4		3165.3		9267.9		9267.9	
-10		0.7		3.3		13.2		43.6		88.2		143.0		874.1		2596.5		2596.5	
-20		0.7		3.2		11.1		25.8		65.6		93.2		140.8		295.6		295.6	
-30		0.6		2.8		9.0		17.9		40.2		76.8		97.9		105.1		105.1	
-40		0.6		1.9		6.7		14.3		24.3		39.3		63.9		83.0		83.0	
-50		0.4		0.9		3.9		9.1		16.4		23.9		29.6		32.9		32.9	
-60		0.4		0.4		1.3		3.8		7.3		11.3		15.3		17.8		17.8	
-70		0.3		1.3		3.4		8.3		13.0		8.3		3.4		1.3		0.3	
-80		0.3		1.3		3.4		8.3		13.0		8.3		3.4		1.3		0.3	
-90		0.3		1.3		3.4		8.3		13.0		8.3		3.4		1.3		0.3	

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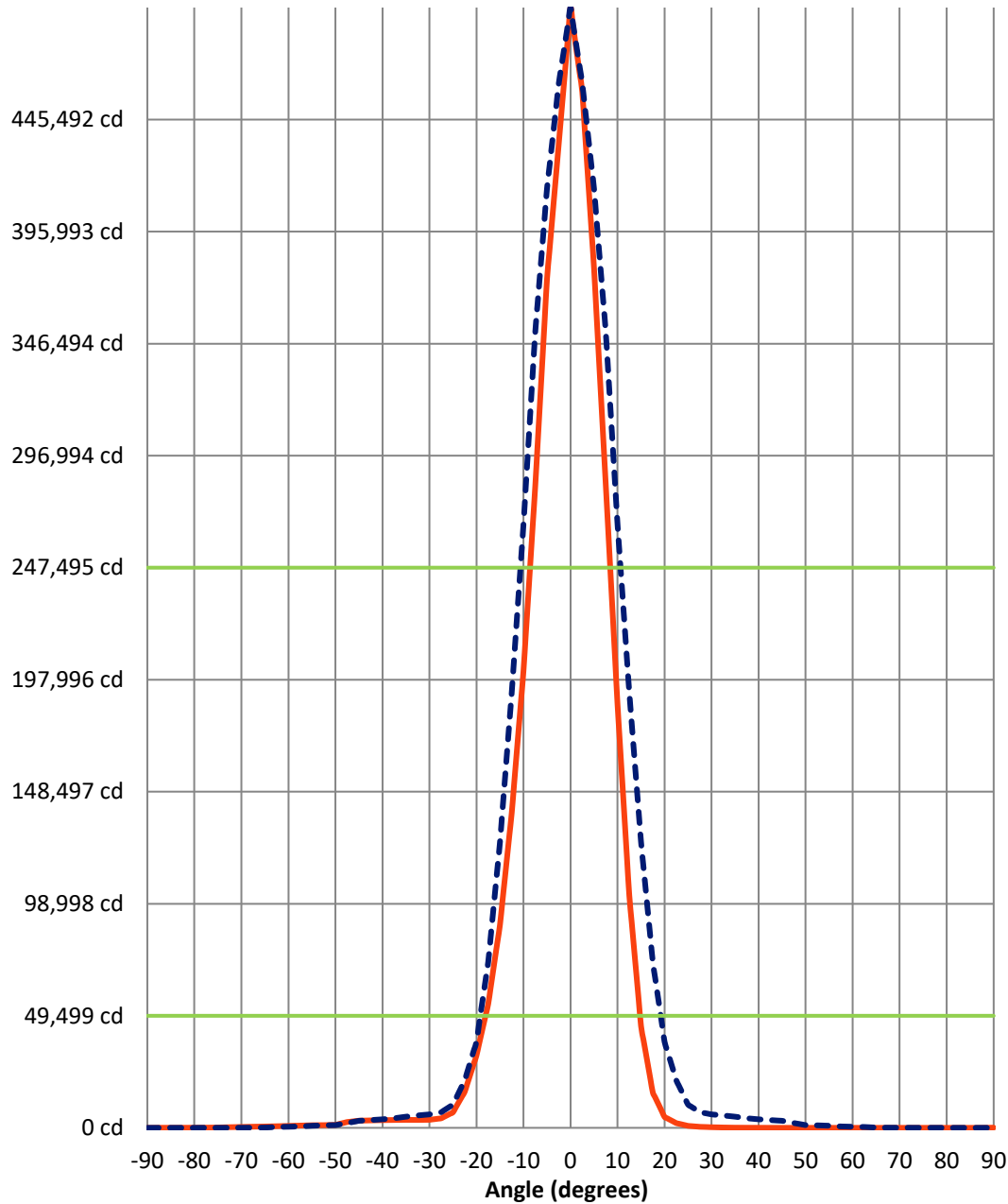
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 21.3°  
 V Angle: 17°  
 Lumens: 29217.5  
 Efficiency: 43.8%

**Field:**  
 H Angle: 38.4°  
 V Angle: 32.9°  
 Lumens: 56552.7  
 Efficiency: 84.7%

**Spill:**  
 Lumens: 10211.4  
 Efficiency: 15.3%

- 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°	8.2	8.2	8.2	8.7	9.3	9.8	10.3	10.8	11.4	11.9	12.4
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.9	7.5	7.3	7.0
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.0	7.9	7.9	7.9
82.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
77.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
75°	8.2	8.2	8.2	8.2	8.2	8.4	8.3	8.2	8.2	8.2	8.2
72.5°	8.2	8.2	8.2	8.2	8.4	8.5	8.3	8.2	8.2	8.2	8.2
70°	8.2	8.2	8.2	8.2	8.6	8.7	8.4	8.2	8.2	8.2	8.3
67.5°	8.2	8.2	8.2	8.4	8.8	8.8	8.4	8.2	8.2	8.5	8.5
65°	8.2	8.2	8.2	8.7	9.0	9.0	8.5	8.2	8.7	8.9	8.6
62.5°	8.2	8.2	8.2	8.9	9.3	9.0	8.5	8.6	9.1	9.2	8.7
60°	8.2	8.2	8.2	9.1	9.5	9.1	8.6	9.1	9.7	9.3	8.8
57.5°	8.2	8.2	8.4	9.3	9.6	9.1	9.1	9.7	9.9	9.4	9.5
55°	8.2	8.2	8.5	9.5	9.6	9.2	9.6	10.4	10.0	9.7	10.3
52.5°	8.2	8.2	8.7	9.8	9.7	9.3	10.1	10.5	10.1	10.4	11.2
50°	8.2	8.2	8.8	10.0	9.7	9.7	10.7	10.7	10.3	11.2	12.9
47.5°	8.2	8.2	8.9	10.2	9.8	10.2	11.1	11.0	11.0	12.0	14.4
45°	8.2	8.2	9.1	10.2	9.9	10.6	11.4	11.3	11.8	12.9	15.6
42.5°	8.2	8.2	9.2	10.3	9.9	11.0	11.7	11.8	12.6	13.6	17.2
40°	8.2	8.2	9.3	10.3	10.1	11.4	12.0	12.4	13.4	14.1	18.7
37.5°	8.2	8.2	9.4	10.4	10.4	11.7	12.4	13.1	14.3	15.5	20.1
35°	8.2	8.2	9.5	10.4	10.7	12.1	12.7	13.7	15.4	17.8	20.8
32.5°	8.2	8.2	9.6	10.5	11.0	12.4	13.2	14.3	16.6	20.0	22.6
30°	8.2	8.2	9.7	10.6	11.3	12.7	13.7	15.0	17.9	22.2	24.7
27.5°	8.2	8.2	9.8	10.7	11.5	13.0	14.2	16.1	19.4	24.5	27.1
25°	8.2	8.2	9.9	10.8	11.7	13.3	14.7	17.1	21.3	26.6	30.0
22.5°	8.2	8.2	10.0	11.0	11.9	13.6	15.2	18.2	23.1	28.8	35.6
20°	8.2	8.2	10.0	11.1	12.0	13.8	15.6	19.3	24.8	31.1	41.9
17.5°	8.2	8.2	10.1	11.3	12.2	13.9	16.0	20.3	26.6	33.6	48.6
15°	8.2	8.2	10.2	11.4	12.2	14.1	16.4	21.3	28.2	36.1	55.7
12.5°	8.2	8.2	10.2	11.6	12.3	14.2	16.8	22.1	29.8	38.7	63.0
10°	8.2	8.2	10.2	11.8	12.4	14.2	17.2	22.8	31.4	43.0	71.6
7.5°	8.2	8.2	10.3	11.9	12.4	14.3	17.5	23.4	33.0	47.8	83.0
5°	8.2	8.2	10.3	12.1	12.4	14.4	17.9	23.9	34.5	52.6	94.3
2.5°	8.2	8.2	10.3	12.3	12.4	14.4	18.2	24.3	35.9	57.3	105.2
0°	8.2	8.2	10.3	12.4	12.4	14.4	18.5	24.7	37.1	61.8	115.3
-2.5°	8.2	8.2	10.4	12.5	12.8	14.8	20.1	29.5	46.7	76.5	133.9
-5°	8.2	8.3	10.5	12.6	13.1	15.3	21.7	34.1	55.9	90.4	151.3
-7.5°	8.2	8.3	10.5	12.7	13.5	15.7	23.1	38.3	64.4	103.5	167.2
-10°	8.2	8.4	10.6	12.8	13.8	16.1	24.3	42.1	72.2	115.4	181.4
-12.5°	8.2	8.4	10.7	12.9	14.1	16.4	25.3	45.3	78.8	125.8	193.6
-15°	8.2	8.5	10.7	13.0	14.4	16.7	26.1	47.8	84.8	134.8	203.6
-17.5°	8.2	8.5	10.7	13.0	14.7	17.1	26.6	50.3	90.2	142.3	211.5
-20°	8.2	8.5	10.8	13.1	14.9	17.3	27.1	52.5	94.2	148.2	217.0



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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-2S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.2	8.6	10.8	13.1	15.1	17.6	27.7	53.7	96.8	152.4	220.1
-25°	8.2	8.6	10.8	13.1	15.2	18.0	27.9	53.6	97.8	154.9	220.6
-27.5°	8.2	8.6	10.8	13.1	15.3	18.3	27.4	52.3	97.1	155.6	222.5
-30°	8.2	8.7	10.8	13.1	15.4	18.6	26.4	49.6	95.4	154.5	222.2
-32.5°	8.2	8.7	10.8	13.1	15.5	18.7	24.7	47.8	92.2	151.2	219.5
-35°	8.2	8.7	10.7	13.0	15.5	18.7	24.1	45.8	87.0	145.5	214.4
-37.5°	8.2	8.7	10.7	13.0	15.5	18.6	24.1	42.8	79.8	137.4	199.2
-40°	8.2	8.7	10.7	12.9	15.4	18.6	23.8	38.9	70.6	127.4	181.8
-42.5°	8.2	8.7	10.6	12.9	15.4	18.5	23.4	33.9	63.3	111.4	162.5
-45°	8.2	8.7	10.6	12.8	15.3	18.3	22.7	30.2	56.5	93.7	141.6
-47.5°	8.2	8.7	10.5	12.7	15.1	18.1	21.8	29.1	48.5	75.1	120.6
-50°	8.2	8.7	10.4	12.5	14.9	17.9	21.3	27.7	38.3	63.5	98.3
-52.5°	8.2	8.7	10.3	12.4	14.7	17.6	20.9	26.0	33.3	51.4	75.9
-55°	8.2	8.7	10.2	12.2	14.5	17.2	20.5	24.2	30.6	38.7	61.6
-57.5°	8.2	8.7	10.1	12.0	14.2	16.8	19.9	23.5	27.9	33.5	46.8
-60°	8.2	8.7	10.0	11.8	13.9	16.4	19.3	22.6	25.4	30.5	35.4
-62.5°	8.2	8.6	9.9	11.6	13.5	15.9	18.6	21.5	24.2	27.5	32.2
-65°	8.2	8.6	9.8	11.3	13.1	15.3	17.9	20.5	22.8	25.5	28.9
-67.5°	8.2	8.6	9.7	11.1	12.7	14.8	17.1	19.5	21.4	23.8	26.5
-70°	8.2	8.5	9.5	10.8	12.3	14.1	16.3	18.5	20.4	22.0	24.3
-72.5°	8.2	8.5	9.4	10.5	11.8	13.5	15.4	17.5	19.4	21.0	22.3
-75°	8.2	8.5	9.2	10.3	11.4	12.8	14.4	16.4	18.4	20.0	21.4
-77.5°	8.2	8.4	9.1	10.0	11.0	12.1	13.5	15.3	17.1	19.0	20.6
-80°	8.2	8.4	8.9	9.8	10.7	11.5	12.5	14.1	15.8	17.5	19.2
-82.5°	8.2	8.3	8.7	9.5	10.3	11.1	11.9	13.1	14.5	16.0	17.5
-85°	8.2	8.3	8.6	9.3	10.0	10.7	11.4	12.4	13.4	14.6	15.8
-87.5°	8.2	8.2	8.4	9.0	9.6	10.2	10.8	11.6	12.4	13.2	14.1
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.7	7.2	6.7	6.2





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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-2S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	12.4	12.4	12.4	12.4	12.9	13.4	13.9	14.4	14.9	15.4	16.0
87.5°	6.9	6.7	6.5	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6
85°	7.6	7.2	6.8	6.5	6.5	6.5	6.4	6.2	5.9	5.7	5.6
82.5°	7.9	7.7	7.6	7.6	7.5	7.2	6.7	6.2	6.2	6.2	6.2
80°	8.1	8.2	8.2	8.2	7.8	7.3	6.8	6.3	6.2	6.3	6.3
77.5°	8.2	8.2	8.2	8.2	7.8	7.5	7.3	7.3	7.3	7.1	6.8
75°	8.2	8.2	8.2	8.2	8.1	8.1	8.2	8.2	8.0	7.9	7.9
72.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	9.9	12.2	13.8
70°	8.2	8.2	8.2	8.2	8.2	8.9	12.0	16.0	20.0	22.4	25.0
67.5°	8.2	8.2	8.2	8.6	10.7	14.1	18.7	27.4	37.2	40.1	40.0
65°	8.2	8.2	9.2	11.3	14.1	21.0	30.5	42.0	50.8	49.4	45.9
62.5°	8.2	9.2	11.1	14.7	20.5	29.2	38.0	46.4	55.1	52.7	44.8
60°	9.1	10.4	14.2	20.1	26.2	32.3	40.8	46.1	50.8	51.0	39.3
57.5°	10.0	12.7	18.4	24.4	29.3	33.2	36.8	40.9	42.3	41.3	30.1
55°	11.7	16.0	22.0	27.5	30.8	29.0	30.7	31.6	31.0	28.3	19.8
52.5°	14.3	19.1	25.0	29.5	29.6	25.9	23.0	23.1	21.0	17.2	14.7
50°	16.6	22.1	27.8	30.2	28.0	22.2	17.4	16.8	15.5	13.8	12.4
47.5°	18.9	24.8	30.0	30.8	25.1	20.4	16.1	14.6	13.8	13.5	12.9
45°	21.1	26.5	31.8	28.5	23.6	20.2	17.3	14.3	14.7	14.6	14.0
42.5°	23.0	27.6	30.0	26.5	24.1	21.9	19.7	17.6	16.5	16.8	16.7
40°	23.8	28.2	28.5	27.9	25.7	24.8	24.5	22.9	19.6	21.1	21.5
37.5°	24.1	27.9	29.2	31.5	29.0	29.8	30.7	31.2	28.8	27.2	31.3
35°	24.1	28.4	34.2	37.5	35.8	36.6	40.2	41.7	40.7	40.0	47.5
32.5°	24.6	29.9	41.0	44.9	47.4	48.5	51.6	54.5	57.3	62.0	76.1
30°	27.4	36.2	49.1	53.4	61.5	70.4	68.1	69.6	77.2	105.1	129.3
27.5°	33.4	45.0	57.3	66.2	79.5	98.3	101.2	93.0	117.3	160.0	199.8
25°	40.6	72.4	66.2	81.6	106.9	132.1	143.8	149.2	177.9	235.5	280.2
22.5°	55.8	109.2	106.5	98.4	138.3	171.3	200.2	257.7	338.6	356.7	366.2
20°	82.6	145.5	155.9	164.0	185.7	215.5	265.5	403.2	575.2	638.5	572.7
17.5°	114.4	185.3	211.0	248.6	297.9	307.4	348.6	576.6	872.5	975.7	995.7
15°	150.1	227.9	269.5	343.3	418.1	453.8	574.0	857.2	1197.9	1366.6	1483.4
12.5°	188.4	272.6	330.6	445.8	544.7	601.0	857.6	1289.3	1616.3	1813.3	2121.7
10°	228.1	318.6	393.4	553.3	675.7	748.3	1170.7	1735.5	2065.1	2289.1	2685.9
7.5°	269.3	362.9	455.6	663.2	808.9	894.7	1500.5	2185.7	2502.0	2746.2	3145.9
5°	308.9	403.8	511.1	755.7	919.5	1021.4	1806.1	2627.5	2926.5	3185.4	3543.3
2.5°	345.2	442.9	564.9	840.7	1012.3	1117.1	1980.0	2880.0	3196.9	3505.2	3897.3
0°	376.9	479.8	615.8	918.5	1099.7	1208.9	2121.2	3099.5	3426.9	3762.6	4232.2
-2.5°	381.6	490.9	631.6	911.3	1083.4	1194.8	2084.2	3065.6	3463.7	3855.5	4345.7
-5°	381.3	499.1	643.2	897.0	1062.2	1176.4	2011.7	2988.2	3450.4	3838.8	4299.1
-7.5°	376.9	504.1	650.2	875.9	1029.4	1135.2	1872.3	2798.0	3282.5	3624.8	4067.0
-10°	369.4	502.3	640.4	840.0	982.8	1079.5	1694.2	2573.3	3106.0	3406.1	3799.4
-12.5°	359.7	495.2	625.1	801.6	937.3	1022.5	1487.6	2318.7	2925.2	3189.0	3510.8
-15°	348.6	486.2	607.0	762.2	894.6	965.0	1254.8	2038.0	2746.9	3020.7	3272.6
-17.5°	336.8	475.6	586.6	723.1	856.3	907.8	1003.4	1731.9	2492.9	2837.6	3092.9
-20°	325.1	463.7	564.0	685.6	820.1	870.2	932.1	1437.4	2123.5	2626.1	2896.2



REPORT NUMBER: P701705 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-2S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	314.1	450.7	542.8	654.9	779.3	849.6	897.4	1149.5	1733.7	2389.6	2686.2
-25°	309.8	431.5	525.1	626.3	740.4	830.6	865.2	907.6	1378.4	2007.0	2473.5
-27.5°	308.9	415.4	505.6	595.5	701.8	806.0	842.1	873.3	1113.2	1622.8	2227.4
-30°	304.8	393.5	483.7	564.9	664.8	762.3	824.2	858.7	912.7	1306.3	1809.7
-32.5°	291.4	370.3	458.0	538.8	626.4	720.5	809.4	851.7	896.0	1004.3	1426.0
-35°	274.1	349.1	430.5	510.2	587.1	679.7	771.0	846.1	879.5	929.8	1105.6
-37.5°	257.8	325.6	402.3	479.6	553.8	637.5	730.0	814.1	872.3	911.4	974.2
-40°	239.3	300.1	374.0	448.1	519.4	595.6	681.4	768.3	847.0	914.2	962.5
-42.5°	218.6	277.3	343.8	415.4	482.4	554.4	630.4	714.6	803.8	895.8	964.2
-45°	195.2	252.2	312.2	377.2	442.1	509.8	581.6	657.2	747.7	841.5	932.8
-47.5°	169.8	224.5	281.5	336.4	398.1	461.8	529.0	602.9	683.0	771.8	865.6
-50°	143.1	194.0	247.1	297.8	351.3	410.6	472.7	543.5	618.1	695.9	780.1
-52.5°	116.9	161.3	210.5	259.3	306.7	357.3	415.4	479.0	547.8	619.7	690.0
-55°	89.5	130.0	172.1	218.2	263.8	307.7	356.2	413.4	472.3	537.5	599.9
-57.5°	68.7	98.1	135.4	174.9	217.9	261.0	304.5	347.7	399.4	453.7	505.0
-60°	51.5	71.8	99.6	134.0	169.5	210.0	252.7	293.6	333.1	370.5	414.8
-62.5°	36.4	52.3	70.9	94.1	125.4	157.7	194.5	233.7	273.7	306.1	335.7
-65°	33.0	36.6	49.2	65.9	82.7	110.9	140.3	169.4	203.5	234.8	264.2
-67.5°	29.5	32.9	36.1	41.9	57.0	73.1	89.5	115.2	140.6	163.1	185.4
-70°	26.9	29.2	32.0	34.9	38.0	44.8	59.0	73.3	87.6	104.1	123.8
-72.5°	24.4	26.7	28.8	30.5	33.2	36.5	40.0	43.6	51.8	63.2	75.0
-75°	22.7	24.3	26.4	28.2	29.8	31.6	33.8	36.8	39.6	42.1	44.3
-77.5°	21.5	22.5	23.9	25.7	26.9	28.0	29.3	30.9	32.9	35.1	37.4
-80°	19.9	20.6	21.3	22.3	23.2	24.1	24.9	25.7	26.8	28.2	29.8
-82.5°	18.1	18.5	19.0	19.4	19.8	20.2	20.7	21.3	22.0	22.7	23.5
-85°	16.2	16.5	16.8	17.1	17.0	16.9	16.9	17.0	17.3	17.7	18.0
-87.5°	14.3	14.4	14.6	14.8	14.8	14.7	14.6	14.4	14.5	14.6	14.7
-90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6



REPORT NUMBER: P701705 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-2S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	16.5	16.5	16.5	16.5	16.5	22.1	27.8	33.4	39.1	48.9	58.7
87.5°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.6	2.1	2.1	2.1
85°	5.4	5.2	4.9	4.5	4.1	4.0	4.0	4.0	4.0	3.5	3.1
82.5°	6.2	5.7	5.2	4.7	4.1	3.7	3.3	2.8	2.3	2.2	2.1
80°	6.2	5.8	5.2	4.7	4.2	4.0	3.9	3.8	3.8	3.9	4.0
77.5°	6.5	6.1	5.6	5.0	4.3	4.1	4.1	4.1	4.1	3.7	3.2
75°	8.0	7.9	7.7	7.2	6.3	5.9	5.6	5.0	4.3	4.0	4.0
72.5°	14.6	14.5	13.8	12.9	11.4	10.4	10.0	9.6	9.1	8.9	8.8
70°	25.9	25.5	24.0	21.2	17.2	14.6	13.5	12.2	10.8	10.2	10.2
67.5°	36.4	32.4	28.6	24.5	19.6	15.9	14.0	12.0	9.8	8.7	8.5
65°	40.4	32.4	26.8	22.3	18.7	15.4	12.7	10.2	7.9	6.9	7.2
62.5°	36.3	26.8	20.9	17.1	14.1	12.0	9.9	8.2	6.9	6.3	6.3
60°	28.8	19.5	14.4	12.0	10.0	8.3	7.3	6.4	5.5	4.8	5.1
57.5°	20.8	13.9	10.2	9.3	8.2	6.8	5.9	5.6	5.4	5.5	5.9
55°	14.1	11.7	10.3	9.2	8.1	6.9	6.2	6.2	6.2	6.2	6.2
52.5°	11.8	11.1	10.5	9.6	8.4	7.3	6.2	6.2	6.2	6.2	6.2
50°	11.9	11.3	10.7	10.0	8.8	7.6	6.4	6.4	6.9	7.3	7.3
47.5°	12.1	11.5	11.1	10.4	9.4	8.9	8.3	8.4	9.1	9.4	9.3
45°	12.6	12.7	12.5	12.4	11.6	11.8	11.9	12.0	14.7	14.5	12.8
42.5°	15.5	16.5	17.4	17.9	15.4	20.0	27.1	30.4	26.6	21.5	18.2
40°	23.3	24.4	29.2	31.6	38.9	45.8	39.5	32.0	28.6	31.1	33.0
37.5°	37.0	43.9	53.5	64.7	60.1	47.9	48.2	48.1	46.9	50.9	50.8
35°	62.0	77.7	87.2	85.2	78.8	75.2	78.6	82.2	74.2	81.3	83.1
32.5°	99.8	118.7	121.2	114.7	115.1	121.3	132.6	131.0	133.5	141.6	151.0
30°	144.1	166.5	175.1	163.3	154.8	169.7	176.1	181.8	200.0	223.9	245.3
27.5°	216.9	233.2	248.1	235.7	211.1	229.6	242.6	238.7	289.0	315.9	376.0
25°	308.2	331.4	339.9	344.4	336.2	332.7	365.3	381.9	451.4	525.0	650.1
22.5°	420.9	484.2	502.1	478.6	504.9	523.5	545.5	619.9	758.8	984.8	1307.6
20°	563.9	693.0	797.0	780.2	718.3	797.5	887.1	1121.6	1527.5	2440.5	3187.5
17.5°	1016.5	1018.8	1226.5	1310.1	1208.0	1379.8	1819.8	2582.7	4260.8	7340.1	9336.5
15°	1715.9	1762.2	1857.8	1969.6	2153.4	2602.0	3488.4	6685.3	11499.7	18160.8	24996.0
12.5°	2457.3	2561.8	2725.3	2816.9	3191.8	4392.5	8194.6	15194.8	25357.0	38180.5	59452.4
10°	3094.5	3372.4	3583.1	3869.5	4836.8	7656.8	14217.6	26313.5	46798.0	74464.2	107162.2
7.5°	3545.1	3951.7	4308.1	4846.6	6855.2	12539.8	23543.7	43666.3	74607.2	113677.3	158751.5
5°	3998.2	4512.8	4912.4	5622.2	8144.3	16202.5	30845.7	59925.8	104603.8	157790.6	218072.6
2.5°	4458.6	5037.1	5477.4	6355.6	8968.9	18059.6	34550.3	69629.2	124438.8	189200.3	262387.3
0°	4922.1	5469.9	5933.2	6925.9	10249.8	20981.6	38039.9	73332.6	126287.0	192393.0	266681.1
-2.5°	4900.7	5262.5	5686.7	6456.0	9349.6	19314.6	35356.7	69304.3	119551.5	180868.2	248236.5
-5°	4714.3	4968.4	5304.6	5984.5	8364.5	16099.5	30579.1	59241.9	105590.6	161767.4	219835.3
-7.5°	4424.8	4638.0	4889.3	5450.4	7228.8	12813.9	24735.0	47515.1	83762.6	124462.2	168989.3
-10°	4147.1	4311.5	4490.1	4879.0	6021.8	9391.5	17547.8	32196.3	58308.1	88755.6	122641.2
-12.5°	3891.2	4022.3	4117.2	4281.6	4850.9	6802.4	12616.8	23092.2	38092.9	56953.6	81951.0
-15°	3630.4	3741.6	3790.6	3922.5	4294.9	5260.8	7604.6	14194.1	23813.0	35992.9	48667.7
-17.5°	3350.4	3482.5	3556.3	3641.0	3803.3	4203.4	5496.7	8267.4	14082.7	22259.6	30423.2
-20°	3120.1	3275.7	3339.0	3397.9	3547.4	3782.4	4151.6	5397.6	7521.7	12614.3	17690.7



REPORT NUMBER: P701705 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-2S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2897.6	3037.8	3120.2	3246.6	3440.0	3602.7	3723.8	4020.5	4902.8	6292.4	8773.3
-25°	2695.3	2816.6	2979.2	3221.9	3411.3	3527.6	3550.4	3563.1	3814.6	4090.4	4928.0
-27.5°	2491.6	2663.6	2905.6	3179.4	3404.4	3461.1	3464.1	3459.8	3519.8	3561.6	3770.1
-30°	2310.1	2535.3	2763.8	3056.2	3275.2	3367.3	3406.4	3433.3	3464.1	3502.3	3516.1
-32.5°	1940.1	2400.4	2585.4	2819.6	3095.5	3241.3	3314.6	3377.1	3411.3	3444.5	3470.7
-35°	1533.9	2019.5	2461.0	2612.3	2808.2	3055.1	3239.1	3313.9	3376.9	3412.4	3445.6
-37.5°	1153.6	1569.9	1999.2	2401.4	2601.4	2776.0	3011.1	3194.2	3309.8	3355.4	3395.4
-40°	1016.6	1124.7	1503.8	1872.9	2225.1	2557.8	2753.2	2974.4	3151.1	3240.7	3310.0
-42.5°	1011.4	1051.1	1089.7	1348.8	1676.1	1997.0	2300.2	2584.1	2846.2	3024.5	3156.5
-45°	1010.2	1038.6	1070.9	1109.5	1148.5	1399.0	1679.3	1961.1	2248.7	2518.6	2760.4
-47.5°	944.6	1015.0	1053.7	1084.6	1110.5	1143.6	1181.3	1252.6	1486.7	1722.6	1959.0
-50°	854.4	924.9	989.3	1051.0	1082.3	1103.7	1124.4	1147.8	1177.4	1207.1	1237.5
-52.5°	753.6	820.5	886.1	945.1	995.7	1044.4	1090.7	1112.0	1127.6	1142.1	1154.5
-55°	659.5	716.9	772.5	824.7	875.2	922.8	966.1	1003.2	1037.6	1068.8	1093.2
-57.5°	559.7	614.2	666.0	709.8	751.8	791.6	829.9	865.6	897.8	926.2	950.1
-60°	459.5	504.4	549.7	591.6	631.5	669.1	700.9	730.2	757.0	781.5	804.0
-62.5°	365.2	400.1	438.5	473.7	505.2	535.9	569.8	599.1	623.9	645.6	665.8
-65°	291.2	316.2	343.7	370.3	396.0	425.1	457.1	485.1	509.2	529.4	546.7
-67.5°	210.4	234.8	261.1	285.2	307.4	331.7	361.2	388.9	414.8	435.8	452.7
-70°	141.7	159.0	178.9	200.3	221.8	244.7	270.4	295.5	319.6	338.9	354.9
-72.5°	86.9	98.4	109.7	124.1	138.9	156.5	176.2	196.2	216.2	232.5	246.4
-75°	46.3	50.2	58.8	67.0	74.7	84.4	94.6	104.0	112.7	120.7	128.0
-77.5°	39.6	41.2	42.7	44.1	45.4	49.3	54.2	59.3	64.5	69.9	75.3
-80°	31.5	32.8	34.0	35.2	36.5	39.5	42.8	46.1	49.3	52.9	56.5
-82.5°	24.3	24.9	25.5	26.0	26.5	28.7	31.1	33.5	35.9	38.9	41.7
-85°	18.4	18.7	18.9	19.2	19.4	21.2	23.0	24.8	26.5	29.6	32.7
-87.5°	14.8	14.7	14.7	14.6	14.6	16.9	19.1	21.2	23.2	25.8	28.3
-90°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.6	2.1	1.6	1.1



REPORT NUMBER: P701705 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-2S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	68.5	78.3	83.4	88.6	83.4	78.3	68.5	58.7	48.9	39.1	33.4
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
85°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.5	4.0	4.0
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.8
80°	4.0	4.1	3.1	2.1	3.1	4.1	4.0	4.0	3.9	3.8	3.8
77.5°	2.7	2.2	3.1	4.1	3.1	2.2	2.7	3.2	3.7	4.1	4.1
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.3	5.0
72.5°	8.5	8.1	8.2	8.2	8.2	8.1	8.5	8.8	8.9	9.1	9.6
70°	10.2	10.2	10.3	10.3	10.3	10.2	10.2	10.2	10.2	10.8	12.2
67.5°	8.4	8.3	7.3	6.2	7.3	8.3	8.4	8.5	8.7	9.8	12.0
65°	7.6	8.1	7.3	6.2	7.3	8.1	7.6	7.2	6.9	7.9	10.2
62.5°	6.3	6.3	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.9	8.2
60°	5.5	6.0	6.2	6.2	6.2	6.0	5.5	5.1	4.8	5.5	6.4
57.5°	6.1	6.2	6.2	6.2	6.2	6.2	6.1	5.9	5.5	5.4	5.6
55°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
52.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
50°	7.0	6.5	6.2	6.2	6.2	6.5	7.0	7.3	7.3	6.9	6.4
47.5°	8.9	8.4	8.2	8.2	8.2	8.4	8.9	9.3	9.4	9.1	8.4
45°	12.7	12.4	12.3	12.4	12.3	12.4	12.7	12.8	14.5	14.7	12.0
42.5°	18.5	18.4	18.4	18.5	18.4	18.4	18.5	18.2	21.5	26.6	30.4
40°	34.6	34.9	34.1	33.0	34.1	34.9	34.6	33.0	31.1	28.6	32.0
37.5°	50.7	51.0	51.0	51.5	51.0	51.0	50.7	50.8	50.9	46.9	48.1
35°	82.0	79.9	75.4	76.2	75.4	79.9	82.0	83.1	81.3	74.2	82.2
32.5°	157.0	154.8	146.1	152.4	146.1	154.8	157.0	151.0	141.6	133.5	131.0
30°	264.1	274.6	279.1	278.0	279.1	274.6	264.1	245.3	223.9	200.0	181.8
27.5°	406.7	429.9	444.5	453.1	444.5	429.9	406.7	376.0	315.9	289.0	238.7
25°	740.0	797.4	830.0	873.2	830.0	797.4	740.0	650.1	525.0	451.4	381.9
22.5°	1654.8	1862.4	1994.5	2088.3	1994.5	1862.4	1654.8	1307.6	984.8	758.8	619.9
20°	4293.3	4276.3	4620.5	4806.7	4620.5	4276.3	4293.3	3187.5	2440.5	1527.5	1121.6
17.5°	13439.3	15575.1	16117.0	15653.8	16117.0	15575.1	13439.3	9336.5	7340.1	4260.8	2582.7
15°	34545.0	41679.1	44985.1	44939.1	44985.1	41679.1	34545.0	24996.0	18160.8	11499.7	6685.3
12.5°	74491.4	88269.6	97266.0	102708.5	97266.0	88269.6	74491.4	59452.4	38180.5	25357.0	15194.8
10°	135184.8	158787.7	177609.4	187065.2	177609.4	158787.7	135184.8	107162.2	74464.2	46798.0	26313.5
7.5°	200341.0	238530.9	270778.0	284163.8	270778.0	238530.9	200341.0	158751.5	113677.3	74607.2	43666.3
5°	275823.5	336589.7	366770.4	379775.4	366770.4	336589.7	275823.5	218072.6	157790.6	104603.8	59925.8
2.5°	338973.0	399565.2	441748.9	457780.8	441748.9	399565.2	338973.0	262387.3	189200.3	124438.8	69629.2
0°	351613.6	414956.8	461383.8	494990.8	461383.8	414956.8	351613.6	266681.1	192393.0	126287.0	73332.6
-2.5°	324765.5	386657.7	420581.3	434794.4	420581.3	386657.7	324765.5	248236.5	180868.2	119551.5	69304.3
-5°	282330.3	337262.8	368626.3	374925.4	368626.3	337262.8	282330.3	219835.3	161767.4	105590.6	59241.9
-7.5°	215751.2	253777.3	278515.3	283508.9	278515.3	253777.3	215751.2	168989.3	124462.2	83762.6	47515.1
-10°	156903.6	184320.5	200207.0	201926.1	200207.0	184320.5	156903.6	122641.2	88755.6	58308.1	32196.3
-12.5°	104835.4	126318.2	137554.0	139178.1	137554.0	126318.2	104835.4	81951.0	56953.6	38092.9	23092.2
-15°	65694.8	79668.3	87920.5	89709.3	87920.5	79668.3	65694.8	48667.7	35992.9	23813.0	14194.1
-17.5°	40477.9	47546.1	51874.4	54735.8	51874.4	47546.1	40477.9	30423.2	22259.6	14082.7	8267.4
-20°	23668.1	28251.6	30823.8	31993.4	30823.8	28251.6	23668.1	17690.7	12614.3	7521.7	5397.6



REPORT NUMBER: P701705 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-2S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11882.4	14143.7	15683.9	15917.4	15683.9	14143.7	11882.4	8773.3	6292.4	4902.8	4020.5
-25°	5762.8	6392.6	6824.9	6849.7	6824.9	6392.6	5762.8	4928.0	4090.4	3814.6	3563.1
-27.5°	3940.4	4071.4	4156.2	4205.4	4156.2	4071.4	3940.4	3770.1	3561.6	3519.8	3459.8
-30°	3530.7	3550.3	3562.2	3546.4	3562.2	3550.3	3530.7	3516.1	3502.3	3464.1	3433.3
-32.5°	3479.6	3488.8	3495.2	3484.6	3495.2	3488.8	3479.6	3470.7	3444.5	3411.3	3377.1
-35°	3475.6	3501.0	3520.8	3515.5	3520.8	3501.0	3475.6	3445.6	3412.4	3376.9	3313.9
-37.5°	3424.6	3446.9	3461.9	3461.9	3461.9	3446.9	3424.6	3395.4	3355.4	3309.8	3194.2
-40°	3348.8	3379.3	3398.3	3398.1	3398.3	3379.3	3348.8	3310.0	3240.7	3151.1	2974.4
-42.5°	3219.5	3262.3	3282.5	3280.7	3282.5	3262.3	3219.5	3156.5	3024.5	2846.2	2584.1
-45°	2942.0	3079.9	3153.8	3161.2	3153.8	3079.9	2942.0	2760.4	2518.6	2248.7	1961.1
-47.5°	2192.1	2404.5	2534.8	2564.0	2534.8	2404.5	2192.1	1959.0	1722.6	1486.7	1252.6
-50°	1267.7	1296.0	1308.1	1303.6	1308.1	1296.0	1267.7	1237.5	1207.1	1177.4	1147.8
-52.5°	1166.4	1177.8	1186.5	1192.4	1186.5	1177.8	1166.4	1154.5	1142.1	1127.6	1112.0
-55°	1113.1	1128.5	1138.3	1143.0	1138.3	1128.5	1113.1	1093.2	1068.8	1037.6	1003.2
-57.5°	969.6	984.9	993.5	996.8	993.5	984.9	969.6	950.1	926.2	897.8	865.6
-60°	822.7	837.7	846.4	850.5	846.4	837.7	822.7	804.0	781.5	757.0	730.2
-62.5°	683.0	697.1	705.6	710.5	705.6	697.1	683.0	665.8	645.6	623.9	599.1
-65°	562.0	575.4	582.6	586.9	582.6	575.4	562.0	546.7	529.4	509.2	485.1
-67.5°	467.7	481.1	489.8	496.3	489.8	481.1	467.7	452.7	435.8	414.8	388.9
-70°	369.5	382.6	387.3	389.2	387.3	382.6	369.5	354.9	338.9	319.6	295.5
-72.5°	258.8	269.7	276.9	282.1	276.9	269.7	258.8	246.4	232.5	216.2	196.2
-75°	134.6	140.5	144.8	148.3	144.8	140.5	134.6	128.0	120.7	112.7	104.0
-77.5°	80.6	85.8	88.4	90.6	88.4	85.8	80.6	75.3	69.9	64.5	59.3
-80°	60.0	63.5	64.8	65.9	64.8	63.5	60.0	56.5	52.9	49.3	46.1
-82.5°	44.5	47.3	48.4	49.4	48.4	47.3	44.5	41.7	38.9	35.9	33.5
-85°	35.9	39.0	40.1	41.2	40.1	39.0	35.9	32.7	29.6	26.5	24.8
-87.5°	30.7	33.2	35.1	37.1	35.1	33.2	30.7	28.3	25.8	23.2	21.2
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.6



REPORT NUMBER: P701705 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-2S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	27.8	22.1	16.5	16.5	16.5	16.5	16.5	16.0	15.4	14.9	14.4
87.5°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.6	5.2	5.7	6.2
85°	4.0	4.0	4.1	4.5	4.9	5.2	5.4	5.6	5.7	5.9	6.2
82.5°	3.3	3.7	4.1	4.7	5.2	5.7	6.2	6.2	6.2	6.2	6.2
80°	3.9	4.0	4.2	4.7	5.2	5.8	6.2	6.3	6.3	6.2	6.3
77.5°	4.1	4.1	4.3	5.0	5.6	6.1	6.5	6.8	7.1	7.3	7.3
75°	5.6	5.9	6.3	7.2	7.7	7.9	8.0	7.9	7.9	8.0	8.2
72.5°	10.0	10.4	11.4	12.9	13.8	14.5	14.6	13.8	12.2	9.9	8.2
70°	13.5	14.6	17.2	21.2	24.0	25.5	25.9	25.0	22.4	20.0	16.0
67.5°	14.0	15.9	19.6	24.5	28.6	32.4	36.4	40.0	40.1	37.2	27.4
65°	12.7	15.4	18.7	22.3	26.8	32.4	40.4	45.9	49.4	50.8	42.0
62.5°	9.9	12.0	14.1	17.1	20.9	26.8	36.3	44.8	52.7	55.1	46.4
60°	7.3	8.3	10.0	12.0	14.4	19.5	28.8	39.3	51.0	50.8	46.1
57.5°	5.9	6.8	8.2	9.3	10.2	13.9	20.8	30.1	41.3	42.3	40.9
55°	6.2	6.9	8.1	9.2	10.3	11.7	14.1	19.8	28.3	31.0	31.6
52.5°	6.2	7.3	8.4	9.6	10.5	11.1	11.8	14.7	17.2	21.0	23.1
50°	6.4	7.6	8.8	10.0	10.7	11.3	11.9	12.4	13.8	15.5	16.8
47.5°	8.3	8.9	9.4	10.4	11.1	11.5	12.1	12.9	13.5	13.8	14.6
45°	11.9	11.8	11.6	12.4	12.5	12.7	12.6	14.0	14.6	14.7	14.3
42.5°	27.1	20.0	15.4	17.9	17.4	16.5	15.5	16.7	16.8	16.5	17.6
40°	39.5	45.8	38.9	31.6	29.2	24.4	23.3	21.5	21.1	19.6	22.9
37.5°	48.2	47.9	60.1	64.7	53.5	43.9	37.0	31.3	27.2	28.8	31.2
35°	78.6	75.2	78.8	85.2	87.2	77.7	62.0	47.5	40.0	40.7	41.7
32.5°	132.6	121.3	115.1	114.7	121.2	118.7	99.8	76.1	62.0	57.3	54.5
30°	176.1	169.7	154.8	163.3	175.1	166.5	144.1	129.3	105.1	77.2	69.6
27.5°	242.6	229.6	211.1	235.7	248.1	233.2	216.9	199.8	160.0	117.3	93.0
25°	365.3	332.7	336.2	344.4	339.9	331.4	308.2	280.2	235.5	177.9	149.2
22.5°	545.5	523.5	504.9	478.6	502.1	484.2	420.9	366.2	356.7	338.6	257.7
20°	887.1	797.5	718.3	780.2	797.0	693.0	563.9	572.7	638.5	575.2	403.2
17.5°	1819.8	1379.8	1208.0	1310.1	1226.5	1018.8	1016.5	995.7	975.7	872.5	576.6
15°	3488.4	2602.0	2153.4	1969.6	1857.8	1762.2	1715.9	1483.4	1366.6	1197.9	857.2
12.5°	8194.6	4392.5	3191.8	2816.9	2725.3	2561.8	2457.3	2121.7	1813.3	1616.3	1289.3
10°	14217.6	7656.8	4836.8	3869.5	3583.1	3372.4	3094.5	2685.9	2289.1	2065.1	1735.5
7.5°	23543.7	12539.8	6855.2	4846.6	4308.1	3951.7	3545.1	3145.9	2746.2	2502.0	2185.7
5°	30845.7	16202.5	8144.3	5622.2	4912.4	4512.8	3998.2	3543.3	3185.4	2926.5	2627.5
2.5°	34550.3	18059.6	8968.9	6355.6	5477.4	5037.1	4458.6	3897.3	3505.2	3196.9	2880.0
0°	38039.9	20981.6	10249.8	6925.9	5933.2	5469.9	4922.1	4232.2	3762.6	3426.9	3099.5
-2.5°	35356.7	19314.6	9349.6	6456.0	5686.7	5262.5	4900.7	4345.7	3855.5	3463.7	3065.6
-5°	30579.1	16099.5	8364.5	5984.5	5304.6	4968.4	4714.3	4299.1	3838.8	3450.4	2988.2
-7.5°	24735.0	12813.9	7228.8	5450.4	4889.3	4638.0	4424.8	4067.0	3624.8	3282.5	2798.0
-10°	17547.8	9391.5	6021.8	4879.0	4490.1	4311.5	4147.1	3799.4	3406.1	3106.0	2573.3
-12.5°	12616.8	6802.4	4850.9	4281.6	4117.2	4022.3	3891.2	3510.8	3189.0	2925.2	2318.7
-15°	7604.6	5260.8	4294.9	3922.5	3790.6	3741.6	3630.4	3272.6	3020.7	2746.9	2038.0
-17.5°	5496.7	4203.4	3803.3	3641.0	3556.3	3482.5	3350.4	3092.9	2837.6	2492.9	1731.9
-20°	4151.6	3782.4	3547.4	3397.9	3339.0	3275.7	3120.1	2896.2	2626.1	2123.5	1437.4



REPORT NUMBER: P701705 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-2S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3723.8	3602.7	3440.0	3246.6	3120.2	3037.8	2897.6	2686.2	2389.6	1733.7	1149.5
-25°	3550.4	3527.6	3411.3	3221.9	2979.2	2816.6	2695.3	2473.5	2007.0	1378.4	907.6
-27.5°	3464.1	3461.1	3404.4	3179.4	2905.6	2663.6	2491.6	2227.4	1622.8	1113.2	873.3
-30°	3406.4	3367.3	3275.2	3056.2	2763.8	2535.3	2310.1	1809.7	1306.3	912.7	858.7
-32.5°	3314.6	3241.3	3095.5	2819.6	2585.4	2400.4	1940.1	1426.0	1004.3	896.0	851.7
-35°	3239.1	3055.1	2808.2	2612.3	2461.0	2019.5	1533.9	1105.6	929.8	879.5	846.1
-37.5°	3011.1	2776.0	2601.4	2401.4	1999.2	1569.9	1153.6	974.2	911.4	872.3	814.1
-40°	2753.2	2557.8	2225.1	1872.9	1503.8	1124.7	1016.6	962.5	914.2	847.0	768.3
-42.5°	2300.2	1997.0	1676.1	1348.8	1089.7	1051.1	1011.4	964.2	895.8	803.8	714.6
-45°	1679.3	1399.0	1148.5	1109.5	1070.9	1038.6	1010.2	932.8	841.5	747.7	657.2
-47.5°	1181.3	1143.6	1110.5	1084.6	1053.7	1015.0	944.6	865.6	771.8	683.0	602.9
-50°	1124.4	1103.7	1082.3	1051.0	989.3	924.9	854.4	780.1	695.9	618.1	543.5
-52.5°	1090.7	1044.4	995.7	945.1	886.1	820.5	753.6	690.0	619.7	547.8	479.0
-55°	966.1	922.8	875.2	824.7	772.5	716.9	659.5	599.9	537.5	472.3	413.4
-57.5°	829.9	791.6	751.8	709.8	666.0	614.2	559.7	505.0	453.7	399.4	347.7
-60°	700.9	669.1	631.5	591.6	549.7	504.4	459.5	414.8	370.5	333.1	293.6
-62.5°	569.8	535.9	505.2	473.7	438.5	400.1	365.2	335.7	306.1	273.7	233.7
-65°	457.1	425.1	396.0	370.3	343.7	316.2	291.2	264.2	234.8	203.5	169.4
-67.5°	361.2	331.7	307.4	285.2	261.1	234.8	210.4	185.4	163.1	140.6	115.2
-70°	270.4	244.7	221.8	200.3	178.9	159.0	141.7	123.8	104.1	87.6	73.3
-72.5°	176.2	156.5	138.9	124.1	109.7	98.4	86.9	75.0	63.2	51.8	43.6
-75°	94.6	84.4	74.7	67.0	58.8	50.2	46.3	44.3	42.1	39.6	36.8
-77.5°	54.2	49.3	45.4	44.1	42.7	41.2	39.6	37.4	35.1	32.9	30.9
-80°	42.8	39.5	36.5	35.2	34.0	32.8	31.5	29.8	28.2	26.8	25.7
-82.5°	31.1	28.7	26.5	26.0	25.5	24.9	24.3	23.5	22.7	22.0	21.3
-85°	23.0	21.2	19.4	19.2	18.9	18.7	18.4	18.0	17.7	17.3	17.0
-87.5°	19.1	16.9	14.6	14.6	14.7	14.7	14.8	14.7	14.6	14.5	14.4
-90°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.6	5.2	5.7	6.2





REPORT NUMBER: P701705 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-2S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	13.9	13.4	12.9	12.4	12.4	12.4	12.4	12.4	11.9	11.4	10.8
87.5°	6.2	6.2	6.2	6.2	6.5	6.7	6.9	7.0	7.3	7.5	7.9
85°	6.4	6.5	6.5	6.5	6.8	7.2	7.6	7.9	7.9	7.9	8.0
82.5°	6.7	7.2	7.5	7.6	7.6	7.7	7.9	8.2	8.2	8.2	8.2
80°	6.8	7.3	7.8	8.2	8.2	8.2	8.1	8.2	8.2	8.2	8.2
77.5°	7.3	7.5	7.8	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
75°	8.2	8.1	8.1	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
72.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
70°	12.0	8.9	8.2	8.2	8.2	8.2	8.2	8.3	8.2	8.2	8.2
67.5°	18.7	14.1	10.7	8.6	8.2	8.2	8.2	8.5	8.5	8.2	8.2
65°	30.5	21.0	14.1	11.3	9.2	8.2	8.2	8.6	8.9	8.7	8.2
62.5°	38.0	29.2	20.5	14.7	11.1	9.2	8.2	8.7	9.2	9.1	8.6
60°	40.8	32.3	26.2	20.1	14.2	10.4	9.1	8.8	9.3	9.7	9.1
57.5°	36.8	33.2	29.3	24.4	18.4	12.7	10.0	9.5	9.4	9.9	9.7
55°	30.7	29.0	30.8	27.5	22.0	16.0	11.7	10.3	9.7	10.0	10.4
52.5°	23.0	25.9	29.6	29.5	25.0	19.1	14.3	11.2	10.4	10.1	10.5
50°	17.4	22.2	28.0	30.2	27.8	22.1	16.6	12.9	11.2	10.3	10.7
47.5°	16.1	20.4	25.1	30.8	30.0	24.8	18.9	14.4	12.0	11.0	11.0
45°	17.3	20.2	23.6	28.5	31.8	26.5	21.1	15.6	12.9	11.8	11.3
42.5°	19.7	21.9	24.1	26.5	30.0	27.6	23.0	17.2	13.6	12.6	11.8
40°	24.5	24.8	25.7	27.9	28.5	28.2	23.8	18.7	14.1	13.4	12.4
37.5°	30.7	29.8	29.0	31.5	29.2	27.9	24.1	20.1	15.5	14.3	13.1
35°	40.2	36.6	35.8	37.5	34.2	28.4	24.1	20.8	17.8	15.4	13.7
32.5°	51.6	48.5	47.4	44.9	41.0	29.9	24.6	22.6	20.0	16.6	14.3
30°	68.1	70.4	61.5	53.4	49.1	36.2	27.4	24.7	22.2	17.9	15.0
27.5°	101.2	98.3	79.5	66.2	57.3	45.0	33.4	27.1	24.5	19.4	16.1
25°	143.8	132.1	106.9	81.6	66.2	72.4	40.6	30.0	26.6	21.3	17.1
22.5°	200.2	171.3	138.3	98.4	106.5	109.2	55.8	35.6	28.8	23.1	18.2
20°	265.5	215.5	185.7	164.0	155.9	145.5	82.6	41.9	31.1	24.8	19.3
17.5°	348.6	307.4	297.9	248.6	211.0	185.3	114.4	48.6	33.6	26.6	20.3
15°	574.0	453.8	418.1	343.3	269.5	227.9	150.1	55.7	36.1	28.2	21.3
12.5°	857.6	601.0	544.7	445.8	330.6	272.6	188.4	63.0	38.7	29.8	22.1
10°	1170.7	748.3	675.7	553.3	393.4	318.6	228.1	71.6	43.0	31.4	22.8
7.5°	1500.5	894.7	808.9	663.2	455.6	362.9	269.3	83.0	47.8	33.0	23.4
5°	1806.1	1021.4	919.5	755.7	511.1	403.8	308.9	94.3	52.6	34.5	23.9
2.5°	1980.0	1117.1	1012.3	840.7	564.9	442.9	345.2	105.2	57.3	35.9	24.3
0°	2121.2	1208.9	1099.7	918.5	615.8	479.8	376.9	115.3	61.8	37.1	24.7
-2.5°	2084.2	1194.8	1083.4	911.3	631.6	490.9	381.6	133.9	76.5	46.7	29.5
-5°	2011.7	1176.4	1062.2	897.0	643.2	499.1	381.3	151.3	90.4	55.9	34.1
-7.5°	1872.3	1135.2	1029.4	875.9	650.2	504.1	376.9	167.2	103.5	64.4	38.3
-10°	1694.2	1079.5	982.8	840.0	640.4	502.3	369.4	181.4	115.4	72.2	42.1
-12.5°	1487.6	1022.5	937.3	801.6	625.1	495.2	359.7	193.6	125.8	78.8	45.3
-15°	1254.8	965.0	894.6	762.2	607.0	486.2	348.6	203.6	134.8	84.8	47.8
-17.5°	1003.4	907.8	856.3	723.1	586.6	475.6	336.8	211.5	142.3	90.2	50.3
-20°	932.1	870.2	820.1	685.6	564.0	463.7	325.1	217.0	148.2	94.2	52.5



REPORT NUMBER: P701705 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-2S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	897.4	849.6	779.3	654.9	542.8	450.7	314.1	220.1	152.4	96.8	53.7
-25°	865.2	830.6	740.4	626.3	525.1	431.5	309.8	220.6	154.9	97.8	53.6
-27.5°	842.1	806.0	701.8	595.5	505.6	415.4	308.9	222.5	155.6	97.1	52.3
-30°	824.2	762.3	664.8	564.9	483.7	393.5	304.8	222.2	154.5	95.4	49.6
-32.5°	809.4	720.5	626.4	538.8	458.0	370.3	291.4	219.5	151.2	92.2	47.8
-35°	771.0	679.7	587.1	510.2	430.5	349.1	274.1	214.4	145.5	87.0	45.8
-37.5°	730.0	637.5	553.8	479.6	402.3	325.6	257.8	199.2	137.4	79.8	42.8
-40°	681.4	595.6	519.4	448.1	374.0	300.1	239.3	181.8	127.4	70.6	38.9
-42.5°	630.4	554.4	482.4	415.4	343.8	277.3	218.6	162.5	111.4	63.3	33.9
-45°	581.6	509.8	442.1	377.2	312.2	252.2	195.2	141.6	93.7	56.5	30.2
-47.5°	529.0	461.8	398.1	336.4	281.5	224.5	169.8	120.6	75.1	48.5	29.1
-50°	472.7	410.6	351.3	297.8	247.1	194.0	143.1	98.3	63.5	38.3	27.7
-52.5°	415.4	357.3	306.7	259.3	210.5	161.3	116.9	75.9	51.4	33.3	26.0
-55°	356.2	307.7	263.8	218.2	172.1	130.0	89.5	61.6	38.7	30.6	24.2
-57.5°	304.5	261.0	217.9	174.9	135.4	98.1	68.7	46.8	33.5	27.9	23.5
-60°	252.7	210.0	169.5	134.0	99.6	71.8	51.5	35.4	30.5	25.4	22.6
-62.5°	194.5	157.7	125.4	94.1	70.9	52.3	36.4	32.2	27.5	24.2	21.5
-65°	140.3	110.9	82.7	65.9	49.2	36.6	33.0	28.9	25.5	22.8	20.5
-67.5°	89.5	73.1	57.0	41.9	36.1	32.9	29.5	26.5	23.8	21.4	19.5
-70°	59.0	44.8	38.0	34.9	32.0	29.2	26.9	24.3	22.0	20.4	18.5
-72.5°	40.0	36.5	33.2	30.5	28.8	26.7	24.4	22.3	21.0	19.4	17.5
-75°	33.8	31.6	29.8	28.2	26.4	24.3	22.7	21.4	20.0	18.4	16.4
-77.5°	29.3	28.0	26.9	25.7	23.9	22.5	21.5	20.6	19.0	17.1	15.3
-80°	24.9	24.1	23.2	22.3	21.3	20.6	19.9	19.2	17.5	15.8	14.1
-82.5°	20.7	20.2	19.8	19.4	19.0	18.5	18.1	17.5	16.0	14.5	13.1
-85°	16.9	16.9	17.0	17.1	16.8	16.5	16.2	15.8	14.6	13.4	12.4
-87.5°	14.6	14.7	14.8	14.8	14.6	14.4	14.3	14.1	13.2	12.4	11.6
-90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.7	7.2	7.7



REPORT NUMBER: P701705 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-2S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.3	9.8	9.3	8.7	8.2	8.2	8.2
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
82.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
77.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
75°	8.3	8.4	8.2	8.2	8.2	8.2	8.2
72.5°	8.3	8.5	8.4	8.2	8.2	8.2	8.2
70°	8.4	8.7	8.6	8.2	8.2	8.2	8.2
67.5°	8.4	8.8	8.8	8.4	8.2	8.2	8.2
65°	8.5	9.0	9.0	8.7	8.2	8.2	8.2
62.5°	8.5	9.0	9.3	8.9	8.2	8.2	8.2
60°	8.6	9.1	9.5	9.1	8.2	8.2	8.2
57.5°	9.1	9.1	9.6	9.3	8.4	8.2	8.2
55°	9.6	9.2	9.6	9.5	8.5	8.2	8.2
52.5°	10.1	9.3	9.7	9.8	8.7	8.2	8.2
50°	10.7	9.7	9.7	10.0	8.8	8.2	8.2
47.5°	11.1	10.2	9.8	10.2	8.9	8.2	8.2
45°	11.4	10.6	9.9	10.2	9.1	8.2	8.2
42.5°	11.7	11.0	9.9	10.3	9.2	8.2	8.2
40°	12.0	11.4	10.1	10.3	9.3	8.2	8.2
37.5°	12.4	11.7	10.4	10.4	9.4	8.2	8.2
35°	12.7	12.1	10.7	10.4	9.5	8.2	8.2
32.5°	13.2	12.4	11.0	10.5	9.6	8.2	8.2
30°	13.7	12.7	11.3	10.6	9.7	8.2	8.2
27.5°	14.2	13.0	11.5	10.7	9.8	8.2	8.2
25°	14.7	13.3	11.7	10.8	9.9	8.2	8.2
22.5°	15.2	13.6	11.9	11.0	10.0	8.2	8.2
20°	15.6	13.8	12.0	11.1	10.0	8.2	8.2
17.5°	16.0	13.9	12.2	11.3	10.1	8.2	8.2
15°	16.4	14.1	12.2	11.4	10.2	8.2	8.2
12.5°	16.8	14.2	12.3	11.6	10.2	8.2	8.2
10°	17.2	14.2	12.4	11.8	10.2	8.2	8.2
7.5°	17.5	14.3	12.4	11.9	10.3	8.2	8.2
5°	17.9	14.4	12.4	12.1	10.3	8.2	8.2
2.5°	18.2	14.4	12.4	12.3	10.3	8.2	8.2
0°	18.5	14.4	12.4	12.4	10.3	8.2	8.2
-2.5°	20.1	14.8	12.8	12.5	10.4	8.2	8.2
-5°	21.7	15.3	13.1	12.6	10.5	8.3	8.2
-7.5°	23.1	15.7	13.5	12.7	10.5	8.3	8.2
-10°	24.3	16.1	13.8	12.8	10.6	8.4	8.2
-12.5°	25.3	16.4	14.1	12.9	10.7	8.4	8.2
-15°	26.1	16.7	14.4	13.0	10.7	8.5	8.2
-17.5°	26.6	17.1	14.7	13.0	10.7	8.5	8.2
-20°	27.1	17.3	14.9	13.1	10.8	8.5	8.2



REPORT NUMBER: P701705 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-2S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	27.7	17.6	15.1	13.1	10.8	8.6	8.2
-25°	27.9	18.0	15.2	13.1	10.8	8.6	8.2
-27.5°	27.4	18.3	15.3	13.1	10.8	8.6	8.2
-30°	26.4	18.6	15.4	13.1	10.8	8.7	8.2
-32.5°	24.7	18.7	15.5	13.1	10.8	8.7	8.2
-35°	24.1	18.7	15.5	13.0	10.7	8.7	8.2
-37.5°	24.1	18.6	15.5	13.0	10.7	8.7	8.2
-40°	23.8	18.6	15.4	12.9	10.7	8.7	8.2
-42.5°	23.4	18.5	15.4	12.9	10.6	8.7	8.2
-45°	22.7	18.3	15.3	12.8	10.6	8.7	8.2
-47.5°	21.8	18.1	15.1	12.7	10.5	8.7	8.2
-50°	21.3	17.9	14.9	12.5	10.4	8.7	8.2
-52.5°	20.9	17.6	14.7	12.4	10.3	8.7	8.2
-55°	20.5	17.2	14.5	12.2	10.2	8.7	8.2
-57.5°	19.9	16.8	14.2	12.0	10.1	8.7	8.2
-60°	19.3	16.4	13.9	11.8	10.0	8.7	8.2
-62.5°	18.6	15.9	13.5	11.6	9.9	8.6	8.2
-65°	17.9	15.3	13.1	11.3	9.8	8.6	8.2
-67.5°	17.1	14.8	12.7	11.1	9.7	8.6	8.2
-70°	16.3	14.1	12.3	10.8	9.5	8.5	8.2
-72.5°	15.4	13.5	11.8	10.5	9.4	8.5	8.2
-75°	14.4	12.8	11.4	10.3	9.2	8.5	8.2
-77.5°	13.5	12.1	11.0	10.0	9.1	8.4	8.2
-80°	12.5	11.5	10.7	9.8	8.9	8.4	8.2
-82.5°	11.9	11.1	10.3	9.5	8.7	8.3	8.2
-85°	11.4	10.7	10.0	9.3	8.6	8.3	8.2
-87.5°	10.8	10.2	9.6	9.0	8.4	8.2	8.2
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2

(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

