

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: P701453 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-80-5S-CV5-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701453 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0320L-57-80-5S-CV5-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

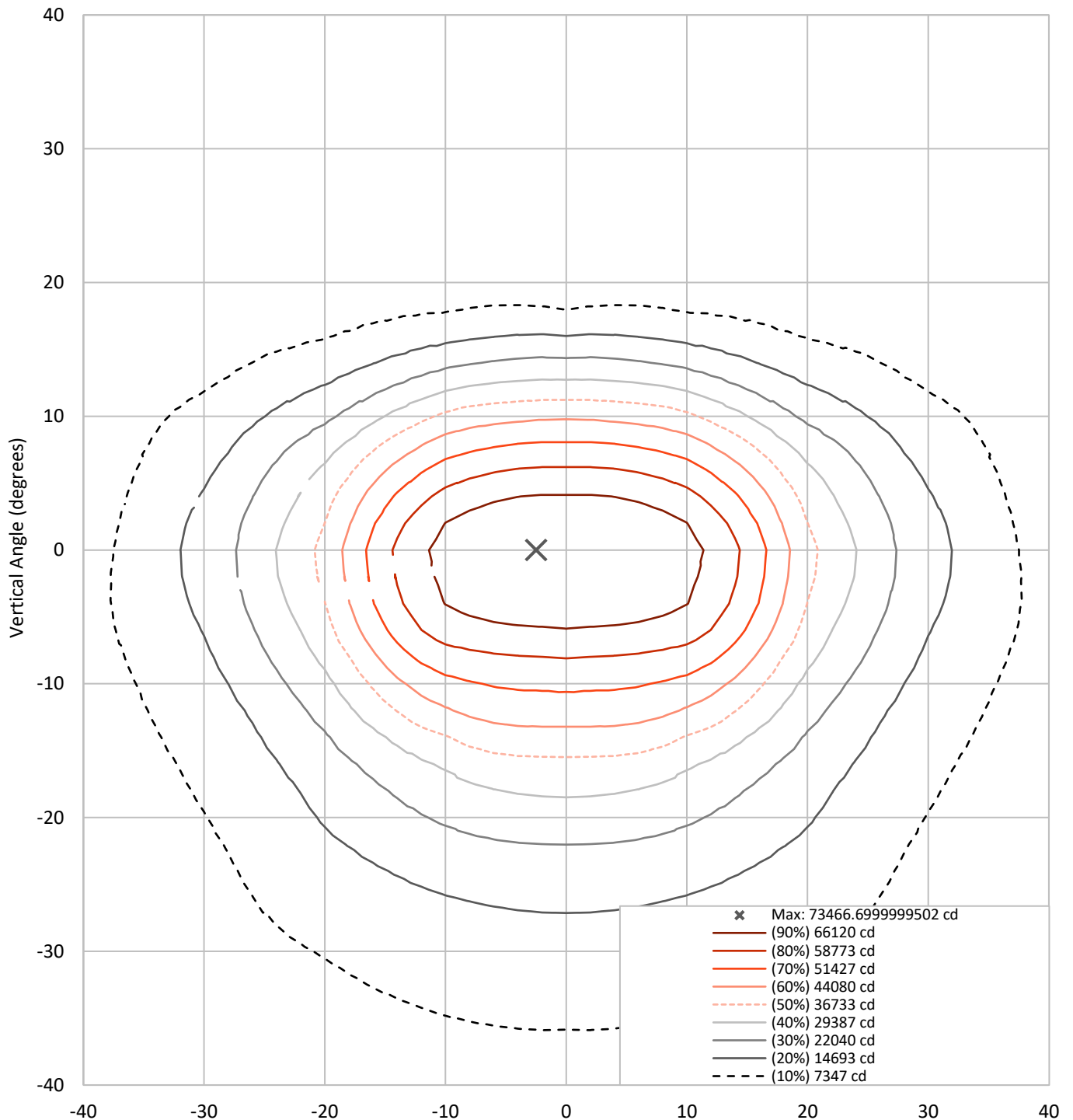
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	29111.6 lumens	Max Intensity:	73466.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	84.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.7°H x 26.5°V	Field Angle (10%):	74.8°H x 54.1°V
Beam Lumens:	14428.4 lumens	Field Lumens:	26096.4 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%

Input Watts (W): 344.2  
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-08-0320L-57-80-5S-CV5-S

### Iso-Candela Plot





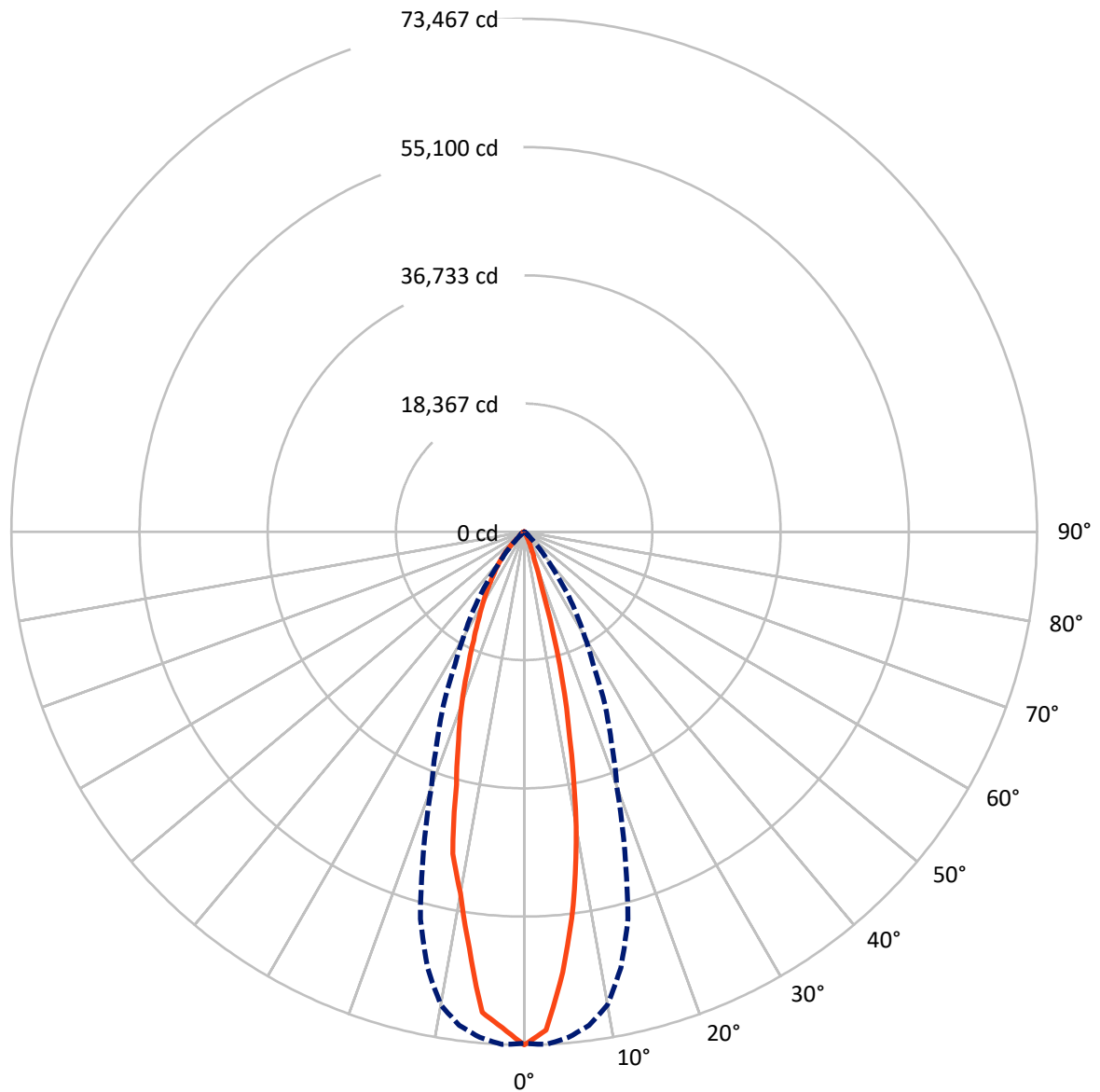
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### Lumen Table

90																
80	0.1	0.3		0.5		0.5		0.3		0.5		0.5		0.3		0.1
70																
60	0.1	0.1	0.1	0.2	0.4	0.2	0.2	0.1	0.1	0.2	0.2	0.4	0.2	0.1	0.1	0.1
50		0.1	0.2	0.4	0.4	0.2	0.1	0.1	0.1	0.1	0.2	0.4	0.4	0.2	0.1	
40	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1
30		0.1	0.3	0.5	1.1	2.4	3.8	5.1	5.1	3.8	2.4	1.1	0.5	0.3	0.1	
20	0.1	0.2	0.8	2.1	9.4	21.5	40.3	57.1	57.1	40.3	21.5	9.4	2.1	0.8	0.2	0.1
10		0.5	2.9	12.8	74.0	196.5	403.8	597.7	597.7	403.8	196.5	74.0	12.8	2.9	0.5	
0	0.2	0.9	6.2	38.3	216.5	616.6	1325.3	1825.6	1825.6	1325.3	616.6	216.5	38.3	6.2	0.9	0.2
-10		1.3	7.5	47.4	247.2	674.5	1481.6	1968.2	1968.2	1481.6	674.5	247.2	47.4	7.5	1.3	
-20	0.2	1.4	6.7	30.4	157.2	405.3	821.3	1143.5	1143.5	821.3	405.3	157.2	30.4	6.7	1.4	0.2
-30		1.2	5.6	14.1	82.7	231.5	404.7	523.8	523.8	404.7	231.5	82.7	14.1	5.6	1.2	
-40	0.2	1.0	4.2	9.2	27.6	105.4	188.1	239.6	239.6	188.1	105.4	27.6	9.2	4.2	1.0	0.2
-50		0.6	2.7	6.9	12.5	22.7	49.7	73.0	73.0	49.7	22.7	12.5	6.9	2.7	0.6	
-60	0.1	0.3	1.3	3.6	7.3	11.6	14.9	16.8	16.8	14.9	11.6	7.3	3.6	1.3	0.3	0.1
-70		0.1	0.5	1.3	2.6	4.3	6.2	7.2	7.2	6.2	4.3	2.6	1.3	0.5	0.1	
-80	0.1	0.4		1.3		3.5		4.7		3.5		1.3		0.4		0.1
-90																

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CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV5-S

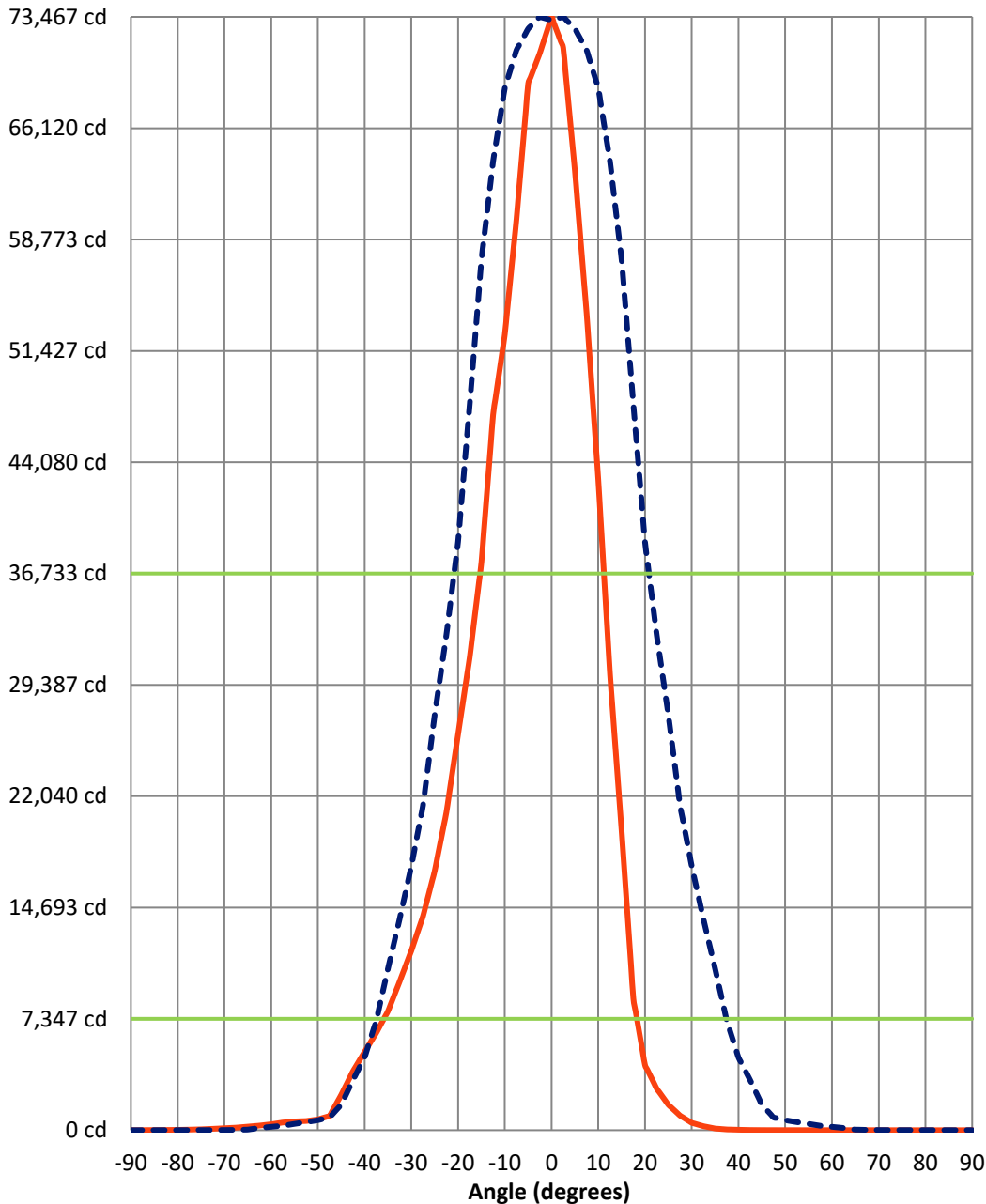
### Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg      - - - Horizontal Distribution Through 0-Deg

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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV5-S

### Luminous Intensity Plot



**Beam:**  
 H Angle: 41.7°  
 V Angle: 26.5°  
 Lumens: 14428.4  
 Efficiency: 49.6%

**Field:**  
 H Angle: 74.8°  
 V Angle: 54.1°  
 Lumens: 26096.4  
 Efficiency: 89.6%

**Spill:**  
 Lumens: 3015.3  
 Efficiency: 10.4%

— Vertical Distribution through -2.5-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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.7	4.7	4.6	4.5
85°	4.5	4.5	4.7	4.8	4.9	5.0	5.1	5.0	4.9	4.7	4.5
82.5°	4.5	4.6	4.8	4.9	5.1	5.2	5.4	5.3	5.1	4.9	4.8
80°	4.5	4.6	4.9	5.1	5.3	5.4	5.6	5.4	5.3	5.2	5.3
77.5°	4.5	4.6	5.0	5.2	5.4	5.6	5.6	5.5	5.4	5.5	5.6
75°	4.5	4.6	5.0	5.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6
72.5°	4.5	4.7	5.1	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6
70°	4.5	4.7	5.2	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
67.5°	4.5	4.7	5.3	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
65°	4.5	4.7	5.3	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
62.5°	4.5	4.7	5.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
60°	4.5	4.7	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
57.5°	4.5	4.7	5.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
55°	4.5	4.8	5.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
52.5°	4.5	4.8	5.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
50°	4.5	4.8	5.4	5.6	5.6	5.6	5.6	5.7	5.6	5.6	5.9
47.5°	4.5	4.8	5.4	5.6	5.6	5.6	5.6	5.7	5.6	5.6	6.3
45°	4.5	4.8	5.4	5.6	5.6	5.6	5.7	5.8	5.7	5.9	6.7
42.5°	4.5	4.8	5.4	5.6	5.6	5.6	5.8	6.0	5.8	6.2	7.1
40°	4.5	4.8	5.4	5.6	5.6	5.6	5.9	6.1	6.1	6.5	7.4
37.5°	4.5	4.8	5.4	5.6	5.6	5.6	6.1	6.3	6.5	7.0	7.7
35°	4.5	4.8	5.4	5.6	5.6	5.7	6.2	6.5	6.9	7.5	7.9
32.5°	4.5	4.7	5.4	5.6	5.6	5.8	6.4	6.7	7.2	8.0	8.6
30°	4.5	4.7	5.5	5.6	5.6	5.9	6.6	7.0	7.6	8.5	9.4
27.5°	4.5	4.7	5.5	5.6	5.6	6.0	6.7	7.3	8.0	9.1	10.4
25°	4.5	4.7	5.5	5.6	5.6	6.2	6.9	7.6	8.5	9.8	11.5
22.5°	4.5	4.7	5.5	5.6	5.6	6.3	7.1	7.9	8.9	10.7	13.5
20°	4.5	4.7	5.5	5.6	5.6	6.4	7.4	8.2	9.4	11.6	15.8
17.5°	4.5	4.7	5.5	5.6	5.6	6.4	7.5	8.4	9.9	12.5	18.3
15°	4.5	4.6	5.5	5.6	5.6	6.5	7.6	8.6	10.4	13.5	21.0
12.5°	4.5	4.6	5.6	5.6	5.6	6.6	7.6	8.7	10.8	14.5	23.7
10°	4.5	4.6	5.6	5.6	5.6	6.6	7.7	8.8	11.1	15.8	26.7
7.5°	4.5	4.6	5.6	5.6	5.6	6.7	7.7	8.8	11.5	17.2	30.3
5°	4.5	4.5	5.6	5.6	5.6	6.7	7.8	8.9	11.8	18.6	33.8
2.5°	4.5	4.5	5.6	5.6	5.6	6.7	7.8	8.9	12.1	20.0	37.1
0°	4.5	4.5	5.6	5.6	5.6	6.7	7.8	8.9	12.3	21.2	40.1
-2.5°	4.5	4.5	5.6	5.6	5.7	6.8	7.9	9.9	15.3	26.6	49.0
-5°	4.5	4.5	5.6	5.6	5.8	6.9	8.1	10.9	18.1	31.8	57.3
-7.5°	4.5	4.6	5.6	5.6	5.9	7.0	8.2	11.8	20.8	36.5	64.8
-10°	4.5	4.6	5.6	5.6	6.0	7.1	8.3	12.6	23.0	40.7	71.3
-12.5°	4.5	4.6	5.6	5.6	6.0	7.2	8.4	13.2	24.9	44.3	76.3
-15°	4.5	4.6	5.5	5.6	6.1	7.2	8.4	13.6	26.5	47.3	80.1
-17.5°	4.5	4.7	5.5	5.6	6.1	7.3	8.5	14.2	27.8	49.5	82.6
-20°	4.5	4.7	5.5	5.6	6.2	7.3	8.8	15.0	28.6	50.8	83.7



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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.5	4.7	5.5	5.6	6.2	7.3	9.3	15.5	28.8	51.1	83.5
-25°	4.5	4.7	5.5	5.6	6.2	7.4	9.6	15.8	28.5	50.4	81.8
-27.5°	4.5	4.7	5.5	5.6	6.2	7.4	9.8	15.8	27.5	49.1	80.8
-30°	4.5	4.7	5.5	5.6	6.1	7.3	9.7	15.4	26.9	47.9	78.5
-32.5°	4.5	4.7	5.4	5.6	6.1	7.3	9.4	15.3	26.4	45.8	74.7
-35°	4.5	4.8	5.4	5.6	6.0	7.1	9.2	15.0	25.6	42.7	69.4
-37.5°	4.5	4.8	5.4	5.6	5.9	6.9	9.1	14.4	24.3	38.8	62.2
-40°	4.5	4.8	5.4	5.6	5.8	6.8	8.8	13.4	22.6	36.2	55.4
-42.5°	4.5	4.8	5.4	5.6	5.8	6.7	8.4	12.1	20.9	32.9	48.1
-45°	4.5	4.8	5.4	5.6	5.8	6.6	8.0	10.9	19.0	29.2	40.8
-47.5°	4.5	4.8	5.4	5.7	5.9	6.5	7.5	10.2	16.5	25.1	36.2
-50°	4.5	4.8	5.4	5.7	5.9	6.3	7.2	9.5	13.4	21.5	31.1
-52.5°	4.5	4.8	5.4	5.7	5.9	6.2	7.1	8.6	11.6	17.7	25.8
-55°	4.5	4.8	5.4	5.7	6.0	6.2	6.9	7.7	10.3	13.6	21.2
-57.5°	4.5	4.7	5.4	5.7	6.0	6.2	6.7	7.5	9.1	11.6	16.4
-60°	4.5	4.7	5.5	5.7	6.0	6.2	6.5	7.2	8.0	10.2	12.5
-62.5°	4.5	4.7	5.4	5.7	6.0	6.3	6.5	7.0	7.7	8.7	10.9
-65°	4.5	4.7	5.3	5.7	5.9	6.3	6.6	6.8	7.4	8.1	9.2
-67.5°	4.5	4.7	5.3	5.6	5.8	6.3	6.6	6.8	7.1	7.8	8.4
-70°	4.5	4.7	5.2	5.6	5.8	6.1	6.6	6.8	7.0	7.4	8.0
-72.5°	4.5	4.7	5.1	5.5	5.7	6.0	6.4	6.7	6.9	7.2	7.6
-75°	4.5	4.6	5.0	5.4	5.6	5.8	6.2	6.5	6.7	6.9	7.2
-77.5°	4.5	4.6	5.0	5.2	5.4	5.7	5.9	6.1	6.4	6.6	6.8
-80°	4.5	4.6	4.9	5.1	5.3	5.4	5.6	5.8	6.0	6.2	6.4
-82.5°	4.5	4.6	4.8	4.9	5.1	5.2	5.4	5.5	5.6	5.8	5.9
-85°	4.5	4.5	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.3	5.4
-87.5°	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.9	4.9	5.0
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5





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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	4.8	4.8	4.7	4.5	4.5	4.5	4.5	4.6	4.7	4.7	4.6
80°	5.2	5.1	4.9	4.8	5.0	5.1	5.3	5.4	5.3	5.1	4.8
77.5°	5.4	5.4	5.4	5.4	5.6	5.6	5.6	5.6	5.4	5.1	4.8
75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.8	5.9	5.8	5.7
72.5°	5.6	5.6	5.6	5.6	5.6	5.8	6.1	6.5	6.7	6.7	6.6
70°	5.6	5.6	5.6	5.6	5.7	6.0	6.6	7.2	7.5	7.7	8.1
67.5°	5.6	5.6	5.6	5.7	6.1	6.7	7.3	8.3	9.6	10.2	10.9
65°	5.6	5.6	5.7	6.1	6.6	7.4	8.6	10.1	13.0	14.7	15.4
62.5°	5.6	5.7	6.0	6.5	7.2	8.2	10.4	13.6	17.8	20.2	20.0
60°	5.6	5.7	6.3	7.0	7.8	9.5	12.6	17.0	22.6	26.7	24.1
57.5°	5.6	6.0	6.7	7.7	9.0	10.5	14.5	19.9	25.5	31.6	26.9
55°	5.8	6.4	7.4	8.7	10.0	11.4	15.3	20.0	26.2	29.6	25.2
52.5°	6.2	6.9	8.3	9.6	10.9	11.8	13.5	18.1	21.5	24.0	21.5
50°	6.6	7.7	9.1	10.2	11.1	11.1	10.6	14.1	16.8	17.6	17.4
47.5°	7.2	8.5	9.5	10.5	10.6	10.4	9.4	11.0	12.9	13.8	13.2
45°	7.7	8.9	9.8	10.2	10.4	10.0	9.6	9.2	11.2	11.6	11.1
42.5°	8.2	9.2	9.9	10.0	10.5	10.7	10.7	10.3	10.6	10.8	10.7
40°	8.5	9.5	10.1	11.0	11.2	12.2	12.9	12.8	10.8	12.0	12.2
37.5°	8.7	9.8	11.0	13.2	13.0	14.6	15.8	17.3	15.8	14.8	16.7
35°	9.0	10.3	14.0	16.7	16.8	17.9	21.7	23.6	22.4	21.2	23.4
32.5°	9.3	10.8	17.9	20.8	22.4	24.0	29.4	30.5	31.5	32.1	33.9
30°	10.3	14.4	22.4	25.3	28.9	34.9	37.8	38.7	42.7	48.2	63.1
27.5°	12.4	19.1	26.7	31.3	36.8	47.0	50.9	51.4	58.1	72.4	108.2
25°	15.0	30.4	31.3	38.0	48.3	60.6	68.6	76.2	78.7	121.7	207.0
22.5°	21.0	44.7	49.8	45.2	60.7	76.4	93.4	114.9	147.6	197.1	323.6
20°	31.6	60.5	72.7	75.9	79.8	94.4	122.1	165.5	267.6	443.8	611.9
17.5°	43.8	78.6	98.5	114.6	132.8	138.7	156.6	226.0	419.1	795.6	1236.1
15°	57.3	98.7	126.2	157.9	191.5	217.3	254.9	363.3	674.6	1281.5	2037.9
12.5°	71.6	120.1	155.5	204.8	254.4	300.6	371.2	602.9	1126.6	1968.4	3115.8
10°	86.1	142.5	185.9	254.1	320.5	387.2	491.8	877.1	1661.1	2700.4	4097.8
7.5°	102.1	164.4	216.1	304.6	388.2	475.7	614.3	1172.1	2214.6	3376.5	4948.4
5°	117.7	184.9	242.9	345.1	443.6	552.5	725.5	1471.2	2763.9	3993.4	5719.7
2.5°	132.2	204.1	268.7	381.9	489.2	608.6	786.6	1594.6	3080.1	4448.6	6479.9
0°	144.9	221.8	293.1	415.7	531.6	660.9	840.3	1683.9	3297.6	4797.6	7221.5
-2.5°	150.4	228.5	305.2	425.9	529.9	652.6	840.6	1713.5	3484.0	5212.2	7595.9
-5°	153.8	233.3	314.8	432.6	525.6	640.2	832.4	1700.5	3514.6	5308.0	7448.0
-7.5°	155.2	236.0	321.7	434.0	514.9	615.8	795.2	1576.2	3181.5	4868.4	6754.3
-10°	154.8	235.3	318.9	420.5	495.3	583.2	745.4	1412.6	2795.8	4372.3	6017.0
-12.5°	152.0	231.5	312.6	405.6	476.2	548.9	688.2	1211.1	2373.0	3834.6	5311.2
-15°	148.0	226.2	304.3	390.1	458.5	513.7	623.9	973.2	1932.4	3352.2	4744.5
-17.5°	143.0	219.5	294.0	374.6	443.0	478.2	555.1	735.1	1538.4	2835.4	4173.9
-20°	137.4	211.6	281.9	359.6	428.8	454.8	518.5	662.8	1216.4	2259.5	3554.4



REPORT NUMBER: P701453 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	131.2	202.5	269.2	343.9	408.0	442.7	486.4	586.3	867.4	1629.1	2885.4
-25°	127.4	192.8	256.8	323.3	387.4	431.1	453.5	512.8	655.8	1229.3	2179.7
-27.5°	124.9	183.2	240.1	301.0	367.0	416.7	435.2	476.0	576.4	814.6	1516.3
-30°	120.5	168.5	222.0	278.3	342.1	393.9	423.6	447.5	508.2	638.6	1040.0
-32.5°	111.5	152.8	203.8	257.0	314.6	372.0	414.8	437.9	477.1	544.6	679.5
-35°	100.9	139.8	185.1	234.4	286.2	345.2	395.5	433.7	452.2	498.7	585.1
-37.5°	91.1	126.0	165.6	211.7	260.4	314.8	373.4	416.5	447.2	468.5	530.2
-40°	80.4	111.3	148.4	189.6	234.3	284.1	338.6	391.8	432.7	468.2	495.6
-42.5°	69.1	98.4	131.5	166.9	208.9	254.0	302.2	355.2	407.9	455.9	492.9
-45°	60.5	84.5	114.1	147.1	182.9	223.5	267.8	314.1	369.1	424.2	472.3
-47.5°	51.3	70.9	97.7	126.0	158.1	193.8	232.6	276.1	322.7	375.9	432.3
-50°	42.6	60.3	80.0	106.1	133.9	164.8	199.1	237.3	279.0	323.3	372.3
-52.5°	36.5	49.1	66.3	86.1	110.7	137.1	167.0	199.9	236.0	273.7	313.4
-55°	29.8	40.6	53.0	69.3	88.3	111.2	136.2	164.9	193.9	227.4	257.8
-57.5°	23.9	32.6	42.4	54.2	69.6	86.4	108.4	131.2	157.1	183.4	205.8
-60°	18.2	25.4	33.6	42.5	52.5	66.9	81.8	100.8	121.7	141.8	161.1
-62.5°	13.0	18.9	25.6	32.9	41.0	49.3	61.4	74.9	88.2	105.1	120.6
-65°	11.2	13.4	18.3	24.4	30.6	38.4	46.0	53.3	64.6	75.5	85.8
-67.5°	9.2	11.0	13.2	16.2	21.9	28.2	34.6	41.4	47.9	53.5	59.9
-70°	8.5	8.8	10.3	12.2	14.7	18.7	24.4	30.1	35.6	41.0	46.0
-72.5°	8.0	8.3	8.6	8.9	10.8	13.6	16.5	19.7	23.6	27.9	32.4
-75°	7.5	7.8	8.0	8.3	8.9	9.9	11.3	13.9	16.3	18.5	20.5
-77.5°	7.0	7.2	7.4	7.6	8.0	8.7	9.5	10.5	11.7	13.0	14.4
-80°	6.5	6.7	6.9	7.0	7.3	7.6	8.0	8.5	9.2	10.1	11.2
-82.5°	6.0	6.1	6.3	6.4	6.5	6.6	6.7	7.0	7.3	7.7	8.1
-85°	5.5	5.6	5.7	5.8	5.8	5.9	6.0	6.1	6.1	6.2	6.2
-87.5°	5.0	5.0	5.1	5.1	5.2	5.2	5.2	5.3	5.3	5.3	5.4
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5



REPORT NUMBER: P701453 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.5	4.8	5.1	5.3	5.6	6.4	7.2	8.1	8.9	8.6	8.3
87.5°	4.5	4.2	3.9	3.6	3.3	3.0	2.8	2.5	2.2	1.9	1.7
85°	4.5	4.4	4.3	4.3	4.3	4.0	3.8	3.5	3.2	2.7	2.2
82.5°	4.5	4.5	4.5	4.5	4.5	4.2	3.9	3.6	3.3	2.8	2.2
80°	4.5	4.5	4.5	4.5	4.5	4.2	3.9	3.6	3.3	2.8	2.2
77.5°	4.7	4.7	4.7	4.6	4.5	4.3	4.0	3.6	3.3	2.8	2.3
75°	5.6	5.5	5.3	5.0	4.6	4.3	4.0	3.7	3.4	3.0	2.7
72.5°	6.5	6.3	6.0	5.8	5.5	5.2	5.0	4.7	4.3	4.1	3.8
70°	8.6	8.8	8.6	8.1	7.5	6.8	6.4	6.0	5.5	5.0	4.5
67.5°	11.6	11.6	11.0	10.1	8.8	7.6	7.0	6.4	5.9	5.5	5.5
65°	15.2	13.9	12.5	11.0	9.3	7.7	7.1	6.5	5.9	5.6	5.6
62.5°	18.5	15.0	12.0	10.2	8.8	7.7	6.9	6.1	5.3	4.8	4.7
60°	19.9	14.1	10.1	8.8	7.8	6.8	6.0	5.4	4.8	4.4	4.2
57.5°	19.9	13.5	8.6	7.5	6.6	5.8	5.4	5.1	4.8	4.5	4.1
55°	18.1	12.0	7.1	6.4	6.1	5.8	5.5	5.2	4.8	4.5	4.2
52.5°	14.8	10.6	7.6	6.5	6.2	5.9	5.6	5.2	4.9	4.6	4.2
50°	12.9	9.7	7.7	6.6	6.3	6.0	5.6	5.5	5.5	5.3	5.1
47.5°	11.1	8.8	7.6	6.8	6.6	7.1	7.4	7.5	7.3	7.1	6.8
45°	9.7	8.5	7.9	8.3	8.6	9.3	9.7	9.7	9.7	9.7	9.7
42.5°	9.7	9.7	10.4	11.5	11.4	12.9	13.6	12.0	13.7	14.7	13.8
40°	12.8	13.2	16.2	18.7	21.0	21.4	25.0	25.5	26.0	27.5	27.8
37.5°	18.8	22.1	31.6	38.7	41.7	41.9	47.2	48.3	46.8	53.2	55.1
35°	28.7	43.6	59.0	67.9	72.9	76.7	83.8	92.0	88.2	102.4	107.3
32.5°	51.6	78.8	106.8	105.8	115.3	140.6	150.1	165.1	180.7	204.6	230.8
30°	86.8	160.3	192.7	180.9	207.6	243.9	244.2	285.8	343.9	393.3	467.6
27.5°	195.5	277.8	320.2	339.2	359.5	405.3	462.1	515.1	662.9	764.0	870.2
25°	331.9	445.5	491.0	561.5	625.5	668.0	839.7	965.0	1177.4	1331.6	1491.2
22.5°	535.2	685.4	779.5	843.3	1058.9	1250.7	1434.1	1707.0	1918.0	2182.5	2381.8
20°	789.7	992.7	1338.1	1609.2	1744.7	2152.0	2483.7	2765.8	3140.0	3468.0	3759.7
17.5°	1490.2	1604.2	2326.1	3032.5	3318.1	3844.7	4798.5	5158.4	6235.7	7024.5	7450.5
15°	2698.4	3249.6	4009.9	5187.6	6494.0	7526.1	8430.2	10281.8	12337.4	14159.5	16078.0
12.5°	4267.0	5344.9	6624.4	8065.1	10419.0	12286.8	14287.5	16933.6	20254.2	23144.2	26544.1
10°	5838.3	7659.8	9428.5	11673.3	14646.7	17530.6	20412.2	24603.3	29481.0	34164.0	38213.1
7.5°	7137.6	9606.9	12003.9	15107.3	19157.2	23175.2	27202.8	32746.1	39197.0	44541.8	49136.6
5°	8460.0	11552.4	14364.2	17943.4	22709.8	27603.5	32643.7	39555.6	47175.3	53227.5	57968.2
2.5°	9674.3	13178.4	16432.9	20423.9	25731.7	30519.9	36257.1	44742.4	53821.8	60350.8	65577.1
0°	10655.0	13939.2	17416.2	21432.6	27392.5	32670.4	38818.7	47918.0	57418.4	63941.7	68764.4
-2.5°	10443.9	13765.7	17016.7	21097.3	27080.7	31939.7	38164.0	47116.9	56503.3	63130.9	67462.3
-5°	9784.9	12725.0	15643.8	19476.2	24737.8	29472.6	35568.2	44770.9	53774.5	60532.9	65517.0
-7.5°	8810.3	11306.7	13954.1	17446.2	22026.3	26555.5	31857.3	39191.4	47594.9	53708.1	57320.7
-10°	7784.4	9851.3	12330.6	15281.7	19061.7	23129.8	27532.8	33407.9	40588.6	45949.7	49376.8
-12.5°	6885.1	8675.8	10887.7	13070.3	16154.3	19777.6	23687.3	28495.0	33233.2	38886.5	41849.5
-15°	6056.7	7549.4	9449.9	11542.7	14105.5	16953.1	19754.6	23354.3	26439.9	29971.2	32536.9
-17.5°	5363.7	6555.7	8239.7	10267.9	12197.5	14649.6	17323.0	19761.5	22370.1	24919.3	27046.9
-20°	4737.3	5720.8	7156.7	8942.4	10843.6	12928.8	15287.8	17272.7	19404.3	21341.4	23005.5



REPORT NUMBER: P701453 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4025.4	5022.8	6134.8	7662.7	9566.7	11436.1	13183.0	14683.0	16293.8	17859.1	19040.7
-25°	3284.6	4241.8	5306.5	6748.3	8308.1	9881.1	11118.2	12174.3	13431.7	14559.6	15573.6
-27.5°	2518.5	3539.1	4687.4	5891.7	7248.4	8248.1	9289.2	10244.2	11199.8	11958.8	12815.1
-30°	1750.9	2864.5	3993.9	5133.7	6063.0	6861.0	7637.5	8513.4	9378.0	10099.3	10703.7
-32.5°	1202.4	2005.6	3145.3	4205.3	4999.7	5677.8	6277.6	7024.5	7694.5	8288.1	8816.9
-35°	722.2	1288.0	2070.6	3078.0	3947.2	4607.0	5217.8	5784.1	6284.2	6784.2	7182.0
-37.5°	618.7	744.0	1218.7	1888.5	2715.7	3514.1	4141.8	4671.9	5137.8	5522.9	5860.4
-40°	557.1	631.2	735.0	963.5	1572.6	2182.4	2867.4	3471.6	3963.1	4324.8	4618.5
-42.5°	520.8	568.3	619.0	700.5	791.0	1080.4	1604.6	2105.2	2537.2	2937.8	3281.7
-45°	514.6	534.7	562.0	607.9	649.7	724.7	806.6	886.7	1226.5	1548.5	1812.7
-47.5°	476.0	517.1	542.1	562.7	584.6	620.1	654.7	691.7	753.5	811.5	861.3
-50°	419.8	463.9	501.8	538.9	558.3	572.7	587.0	605.4	629.5	651.5	671.8
-52.5°	350.8	393.3	435.7	475.2	506.1	534.4	559.9	571.8	580.9	589.2	595.7
-55°	289.5	323.1	356.5	392.6	428.2	462.1	491.4	510.7	528.2	543.6	556.7
-57.5°	231.8	257.9	285.2	314.5	342.9	370.2	396.3	420.1	441.2	459.6	475.1
-60°	179.6	197.2	219.9	243.2	265.3	286.3	307.5	326.6	344.0	359.3	371.3
-62.5°	134.7	149.4	166.7	183.1	197.6	213.3	233.0	249.5	263.1	274.0	283.7
-65°	96.8	109.0	122.9	136.7	150.2	163.6	177.4	190.6	203.3	213.4	220.6
-67.5°	68.7	77.4	87.1	95.7	105.7	117.5	130.0	141.4	151.9	159.0	163.4
-70°	50.7	55.7	62.8	71.0	79.4	87.2	95.2	103.1	111.0	116.5	120.7
-72.5°	37.0	42.0	47.2	52.5	58.2	63.9	69.7	75.6	81.5	85.1	87.6
-75°	22.4	25.3	29.9	34.3	38.6	42.6	46.4	49.9	53.2	54.9	56.1
-77.5°	16.1	18.1	20.4	22.7	25.1	27.4	29.8	32.1	34.5	35.5	36.3
-80°	12.2	13.4	14.7	16.0	17.4	18.9	20.3	21.7	23.2	23.4	23.5
-82.5°	8.7	9.5	10.4	11.3	12.1	12.9	13.6	14.4	15.1	15.3	15.4
-85°	6.3	6.8	7.3	7.9	8.5	9.1	9.7	10.3	10.9	10.9	11.0
-87.5°	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	7.8	7.8
-90°	4.5	4.2	3.9	3.6	3.3	3.0	2.8	2.5	2.2	1.9	1.7



REPORT NUMBER: P701453 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	8.1	7.8	7.8	7.8	7.8	7.8	8.1	8.3	8.6	8.9	8.1
87.5°	1.4	1.1	0.6	0.0	0.6	1.1	1.4	1.7	1.9	2.2	2.5
85°	1.7	1.1	1.1	1.1	1.1	1.1	1.7	2.2	2.7	3.2	3.5
82.5°	1.7	1.1	1.1	1.1	1.1	1.1	1.7	2.2	2.8	3.3	3.6
80°	1.7	1.1	1.1	1.1	1.1	1.1	1.7	2.2	2.8	3.3	3.6
77.5°	1.7	1.1	1.1	1.1	1.1	1.1	1.7	2.3	2.8	3.3	3.6
75°	2.5	2.2	1.7	1.1	1.7	2.2	2.5	2.7	3.0	3.4	3.7
72.5°	3.6	3.3	3.3	3.3	3.3	3.3	3.6	3.8	4.1	4.3	4.7
70°	4.0	3.4	3.3	3.3	3.3	3.4	4.0	4.5	5.0	5.5	6.0
67.5°	5.5	5.5	5.1	4.5	5.1	5.5	5.5	5.5	5.5	5.9	6.4
65°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.9	6.5
62.5°	4.6	4.5	4.5	4.5	4.5	4.5	4.6	4.7	4.8	5.3	6.1
60°	3.8	3.4	3.3	3.3	3.3	3.4	3.8	4.2	4.4	4.8	5.4
57.5°	3.8	3.4	3.3	3.3	3.3	3.4	3.8	4.1	4.5	4.8	5.1
55°	3.8	3.4	3.3	3.3	3.3	3.4	3.8	4.2	4.5	4.8	5.2
52.5°	3.8	3.5	3.7	4.5	3.7	3.5	3.8	4.2	4.6	4.9	5.2
50°	4.8	4.6	4.5	4.5	4.5	4.6	4.8	5.1	5.3	5.5	5.5
47.5°	6.4	5.9	5.6	5.6	5.6	5.9	6.4	6.8	7.1	7.3	7.5
45°	9.1	8.3	7.8	7.8	7.8	8.3	9.1	9.7	9.7	9.7	9.7
42.5°	13.7	13.4	13.3	13.4	13.3	13.4	13.7	13.8	14.7	13.7	12.0
40°	29.4	29.8	29.7	30.1	29.7	29.8	29.4	27.8	27.5	26.0	25.5
37.5°	55.3	53.5	50.7	51.3	50.7	53.5	55.3	55.1	53.2	46.8	48.3
35°	107.9	110.7	110.5	111.4	110.5	110.7	107.9	107.3	102.4	88.2	92.0
32.5°	249.7	263.0	263.3	268.6	263.3	263.0	249.7	230.8	204.6	180.7	165.1
30°	490.6	501.1	485.2	492.6	485.2	501.1	490.6	467.6	393.3	343.9	285.8
27.5°	925.4	964.4	964.0	947.3	964.0	964.4	925.4	870.2	764.0	662.9	515.1
25°	1625.4	1685.7	1674.6	1654.9	1674.6	1685.7	1625.4	1491.2	1331.6	1177.4	965.0
22.5°	2562.8	2662.3	2742.0	2690.2	2742.0	2662.3	2562.8	2381.8	2182.5	1918.0	1707.0
20°	4188.9	4217.4	4302.0	4271.6	4302.0	4217.4	4188.9	3759.7	3468.0	3140.0	2765.8
17.5°	8604.7	8913.4	8698.7	8045.0	8698.7	8913.4	8604.7	7450.5	7024.5	6235.7	5158.4
15°	17425.5	18719.4	19724.1	19172.5	19724.1	18719.4	17425.5	16078.0	14159.5	12337.4	10281.8
12.5°	28536.6	29491.3	30130.0	30176.9	30130.0	29491.3	28536.6	26544.1	23144.2	20254.2	16933.6
10°	40959.0	41802.5	42932.6	43091.4	42932.6	41802.5	40959.0	38213.1	34164.0	29481.0	24603.3
7.5°	51417.0	53127.7	53919.7	53813.3	53919.7	53127.7	51417.0	49136.6	44541.8	39197.0	32746.1
5°	60769.9	62542.2	63318.5	63447.5	63318.5	62542.2	60769.9	57968.2	53227.5	47175.3	39555.6
2.5°	68707.6	70496.9	71429.6	71173.8	71429.6	70496.9	68707.6	65577.1	60350.8	53821.8	44742.4
0°	71275.7	72684.9	73466.7	73252.1	73466.7	72684.9	71275.7	68764.4	63941.7	57418.4	47918.0
-2.5°	69643.2	70492.3	71081.5	70853.9	71081.5	70492.3	69643.2	67462.3	63130.9	56503.3	47116.9
-5°	67834.0	68841.5	69061.9	69331.6	69061.9	68841.5	67834.0	65517.0	60532.9	53774.5	44770.9
-7.5°	58694.9	59772.7	60128.7	60668.1	60128.7	59772.7	58694.9	57320.7	53708.1	47594.9	39191.4
-10°	51241.8	52450.6	52508.9	52841.5	52508.9	52450.6	51241.8	49376.8	45949.7	40588.6	33407.9
-12.5°	44998.7	46662.3	47214.3	47082.2	47214.3	46662.3	44998.7	41849.5	38886.5	33233.2	28495.0
-15°	35952.6	37373.7	37475.1	37541.6	37475.1	37373.7	35952.6	32536.9	29971.2	26439.9	23354.3
-17.5°	29304.6	30685.5	31217.8	31383.3	31217.8	30685.5	29304.6	27046.9	24919.3	22370.1	19761.5
-20°	24434.1	25462.1	26112.4	26381.7	26112.4	25462.1	24434.1	23005.5	21341.4	19404.3	17272.7



REPORT NUMBER: P701453 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20073.5	20725.2	20963.0	21022.5	20963.0	20725.2	20073.5	19040.7	17859.1	16293.8	14683.0
-25°	16285.9	16803.6	17104.5	17230.1	17104.5	16803.6	16285.9	15573.6	14559.6	13431.7	12174.3
-27.5°	13370.6	13831.2	14120.9	14165.4	14120.9	13831.2	13370.6	12815.1	11958.8	11199.8	10244.2
-30°	11166.5	11571.1	11841.8	11915.4	11841.8	11571.1	11166.5	10703.7	10099.3	9378.0	8513.4
-32.5°	9252.6	9598.8	9811.2	9902.8	9811.2	9598.8	9252.6	8816.9	8288.1	7694.5	7024.5
-35°	7479.0	7711.7	7847.8	7803.2	7847.8	7711.7	7479.0	7182.0	6784.2	6284.2	5784.1
-37.5°	6131.1	6318.4	6420.3	6425.8	6420.3	6318.4	6131.1	5860.4	5522.9	5137.8	4671.9
-40°	4861.8	5052.0	5166.7	5173.2	5166.7	5052.0	4861.8	4618.5	4324.8	3963.1	3471.6
-42.5°	3555.2	3749.9	3883.0	3969.6	3883.0	3749.9	3555.2	3281.7	2937.8	2537.2	2105.2
-45°	2033.1	2201.3	2329.6	2422.8	2329.6	2201.3	2033.1	1812.7	1548.5	1226.5	886.7
-47.5°	898.5	925.8	937.7	933.9	937.7	925.8	898.5	861.3	811.5	753.5	691.7
-50°	690.3	706.4	714.5	714.3	714.5	706.4	690.3	671.8	651.5	629.5	605.4
-52.5°	600.8	604.9	607.3	608.5	607.3	604.9	600.8	595.7	589.2	580.9	571.8
-55°	567.6	576.1	579.3	578.4	579.3	576.1	567.6	556.7	543.6	528.2	510.7
-57.5°	488.2	498.7	505.7	509.3	505.7	498.7	488.2	475.1	459.6	441.2	420.1
-60°	380.4	386.6	390.6	392.3	390.6	386.6	380.4	371.3	359.3	344.0	326.6
-62.5°	292.1	299.3	302.8	304.2	302.8	299.3	292.1	283.7	274.0	263.1	249.5
-65°	226.9	232.1	235.0	236.3	235.0	232.1	226.9	220.6	213.4	203.3	190.6
-67.5°	166.6	169.0	170.1	170.5	170.1	169.0	166.6	163.4	159.0	151.9	141.4
-70°	124.5	127.9	130.0	131.5	130.0	127.9	124.5	120.7	116.5	111.0	103.1
-72.5°	89.8	91.5	92.8	93.6	92.8	91.5	89.8	87.6	85.1	81.5	75.6
-75°	56.9	57.5	57.9	58.0	57.9	57.5	56.9	56.1	54.9	53.2	49.9
-77.5°	37.0	37.6	38.4	39.0	38.4	37.6	37.0	36.3	35.5	34.5	32.1
-80°	23.4	23.3	23.4	23.4	23.4	23.3	23.4	23.5	23.4	23.2	21.7
-82.5°	15.5	15.5	15.6	15.6	15.6	15.5	15.5	15.4	15.3	15.1	14.4
-85°	11.0	11.1	11.1	11.1	11.1	11.1	11.0	11.0	10.9	10.9	10.3
-87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.5
-90°	1.4	1.1	0.5	0.0	0.5	1.1	1.4	1.7	1.9	2.2	2.5



REPORT NUMBER: P701453 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.2	6.4	5.6	5.3	5.1	4.8	4.5	4.5	4.5	4.5	4.5
87.5°	2.8	3.0	3.3	3.6	3.9	4.2	4.5	4.5	4.5	4.5	4.5
85°	3.8	4.0	4.3	4.3	4.3	4.4	4.5	4.5	4.5	4.5	4.5
82.5°	3.9	4.2	4.5	4.5	4.5	4.5	4.5	4.6	4.7	4.7	4.6
80°	3.9	4.2	4.5	4.5	4.5	4.5	4.5	4.8	5.1	5.3	5.4
77.5°	4.0	4.3	4.5	4.6	4.7	4.7	4.7	4.8	5.1	5.4	5.6
75°	4.0	4.3	4.6	5.0	5.3	5.5	5.6	5.7	5.8	5.9	5.8
72.5°	5.0	5.2	5.5	5.8	6.0	6.3	6.5	6.6	6.7	6.7	6.5
70°	6.4	6.8	7.5	8.1	8.6	8.8	8.6	8.1	7.7	7.5	7.2
67.5°	7.0	7.6	8.8	10.1	11.0	11.6	11.6	10.9	10.2	9.6	8.3
65°	7.1	7.7	9.3	11.0	12.5	13.9	15.2	15.4	14.7	13.0	10.1
62.5°	6.9	7.7	8.8	10.2	12.0	15.0	18.5	20.0	20.2	17.8	13.6
60°	6.0	6.8	7.8	8.8	10.1	14.1	19.9	24.1	26.7	22.6	17.0
57.5°	5.4	5.8	6.6	7.5	8.6	13.5	19.9	26.9	31.6	25.5	19.9
55°	5.5	5.8	6.1	6.4	7.1	12.0	18.1	25.2	29.6	26.2	20.0
52.5°	5.6	5.9	6.2	6.5	7.6	10.6	14.8	21.5	24.0	21.5	18.1
50°	5.6	6.0	6.3	6.6	7.7	9.7	12.9	17.4	17.6	16.8	14.1
47.5°	7.4	7.1	6.6	6.8	7.6	8.8	11.1	13.2	13.8	12.9	11.0
45°	9.7	9.3	8.6	8.3	7.9	8.5	9.7	11.1	11.6	11.2	9.2
42.5°	13.6	12.9	11.4	11.5	10.4	9.7	9.7	10.7	10.8	10.6	10.3
40°	25.0	21.4	21.0	18.7	16.2	13.2	12.8	12.2	12.0	10.8	12.8
37.5°	47.2	41.9	41.7	38.7	31.6	22.1	18.8	16.7	14.8	15.8	17.3
35°	83.8	76.7	72.9	67.9	59.0	43.6	28.7	23.4	21.2	22.4	23.6
32.5°	150.1	140.6	115.3	105.8	106.8	78.8	51.6	33.9	32.1	31.5	30.5
30°	244.2	243.9	207.6	180.9	192.7	160.3	86.8	63.1	48.2	42.7	38.7
27.5°	462.1	405.3	359.5	339.2	320.2	277.8	195.5	108.2	72.4	58.1	51.4
25°	839.7	668.0	625.5	561.5	491.0	445.5	331.9	207.0	121.7	78.7	76.2
22.5°	1434.1	1250.7	1058.9	843.3	779.5	685.4	535.2	323.6	197.1	147.6	114.9
20°	2483.7	2152.0	1744.7	1609.2	1338.1	992.7	789.7	611.9	443.8	267.6	165.5
17.5°	4798.5	3844.7	3318.1	3032.5	2326.1	1604.2	1490.2	1236.1	795.6	419.1	226.0
15°	8430.2	7526.1	6494.0	5187.6	4009.9	3249.6	2698.4	2037.9	1281.5	674.6	363.3
12.5°	14287.5	12286.8	10419.0	8065.1	6624.4	5344.9	4267.0	3115.8	1968.4	1126.6	602.9
10°	20412.2	17530.6	14646.7	11673.3	9428.5	7659.8	5838.3	4097.8	2700.4	1661.1	877.1
7.5°	27202.8	23175.2	19157.2	15107.3	12003.9	9606.9	7137.6	4948.4	3376.5	2214.6	1172.1
5°	32643.7	27603.5	22709.8	17943.4	14364.2	11552.4	8460.0	5719.7	3993.4	2763.9	1471.2
2.5°	36257.1	30519.9	25731.7	20423.9	16432.9	13178.4	9674.3	6479.9	4448.6	3080.1	1594.6
0°	38818.7	32670.4	27392.5	21432.6	17416.2	13939.2	10655.0	7221.5	4797.6	3297.6	1683.9
-2.5°	38164.0	31939.7	27080.7	21097.3	17016.7	13765.7	10443.9	7595.9	5212.2	3484.0	1713.5
-5°	35568.2	29472.6	24737.8	19476.2	15643.8	12725.0	9784.9	7448.0	5308.0	3514.6	1700.5
-7.5°	31857.3	26555.5	22026.3	17446.2	13954.1	11306.7	8810.3	6754.3	4868.4	3181.5	1576.2
-10°	27532.8	23129.8	19061.7	15281.7	12330.6	9851.3	7784.4	6017.0	4372.3	2795.8	1412.6
-12.5°	23687.3	19777.6	16154.3	13070.3	10887.7	8675.8	6885.1	5311.2	3834.6	2373.0	1211.1
-15°	19754.6	16953.1	14105.5	11542.7	9449.9	7549.4	6056.7	4744.5	3352.2	1932.4	973.2
-17.5°	17323.0	14649.6	12197.5	10267.9	8239.7	6555.7	5363.7	4173.9	2835.4	1538.4	735.1
-20°	15287.8	12928.8	10843.6	8942.4	7156.7	5720.8	4737.3	3554.4	2259.5	1216.4	662.8





REPORT NUMBER: P701453 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	13183.0	11436.1	9566.7	7662.7	6134.8	5022.8	4025.4	2885.4	1629.1	867.4	586.3
-25°	11118.2	9881.1	8308.1	6748.3	5306.5	4241.8	3284.6	2179.7	1229.3	655.8	512.8
-27.5°	9289.2	8248.1	7248.4	5891.7	4687.4	3539.1	2518.5	1516.3	814.6	576.4	476.0
-30°	7637.5	6861.0	6063.0	5133.7	3993.9	2864.5	1750.9	1040.0	638.6	508.2	447.5
-32.5°	6277.6	5677.8	4999.7	4205.3	3145.3	2005.6	1202.4	679.5	544.6	477.1	437.9
-35°	5217.8	4607.0	3947.2	3078.0	2070.6	1288.0	722.2	585.1	498.7	452.2	433.7
-37.5°	4141.8	3514.1	2715.7	1888.5	1218.7	744.0	618.7	530.2	468.5	447.2	416.5
-40°	2867.4	2182.4	1572.6	963.5	735.0	631.2	557.1	495.6	468.2	432.7	391.8
-42.5°	1604.6	1080.4	791.0	700.5	619.0	568.3	520.8	492.9	455.9	407.9	355.2
-45°	806.6	724.7	649.7	607.9	562.0	534.7	514.6	472.3	424.2	369.1	314.1
-47.5°	654.7	620.1	584.6	562.7	542.1	517.1	476.0	432.3	375.9	322.7	276.1
-50°	587.0	572.7	558.3	538.9	501.8	463.9	419.8	372.3	323.3	279.0	237.3
-52.5°	559.9	534.4	506.1	475.2	435.7	393.3	350.8	313.4	273.7	236.0	199.9
-55°	491.4	462.1	428.2	392.6	356.5	323.1	289.5	257.8	227.4	193.9	164.9
-57.5°	396.3	370.2	342.9	314.5	285.2	257.9	231.8	205.8	183.4	157.1	131.2
-60°	307.5	286.3	265.3	243.2	219.9	197.2	179.6	161.1	141.8	121.7	100.8
-62.5°	233.0	213.3	197.6	183.1	166.7	149.4	134.7	120.6	105.1	88.2	74.9
-65°	177.4	163.6	150.2	136.7	122.9	109.0	96.8	85.8	75.5	64.6	53.3
-67.5°	130.0	117.5	105.7	95.7	87.1	77.4	68.7	59.9	53.5	47.9	41.4
-70°	95.2	87.2	79.4	71.0	62.8	55.7	50.7	46.0	41.0	35.6	30.1
-72.5°	69.7	63.9	58.2	52.5	47.2	42.0	37.0	32.4	27.9	23.6	19.7
-75°	46.4	42.6	38.6	34.3	29.9	25.3	22.4	20.5	18.5	16.3	13.9
-77.5°	29.8	27.4	25.1	22.7	20.4	18.1	16.1	14.4	13.0	11.7	10.5
-80°	20.3	18.9	17.4	16.0	14.7	13.4	12.2	11.2	10.1	9.2	8.5
-82.5°	13.6	12.9	12.1	11.3	10.4	9.5	8.7	8.1	7.7	7.3	7.0
-85°	9.7	9.1	8.5	7.9	7.3	6.8	6.3	6.2	6.2	6.1	6.1
-87.5°	7.2	6.9	6.6	6.3	6.0	5.7	5.4	5.4	5.3	5.3	5.3
-90°	2.8	3.0	3.3	3.6	3.9	4.2	4.5	4.5	4.5	4.5	4.5





REPORT NUMBER: P701453 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.7	4.7
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.7	4.9	5.0
82.5°	4.5	4.5	4.5	4.5	4.7	4.8	4.8	4.8	4.9	5.1	5.3
80°	5.3	5.1	5.0	4.8	4.9	5.1	5.2	5.3	5.2	5.3	5.4
77.5°	5.6	5.6	5.6	5.4	5.4	5.4	5.4	5.6	5.5	5.4	5.5
75°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
72.5°	6.1	5.8	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
70°	6.6	6.0	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
67.5°	7.3	6.7	6.1	5.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6
65°	8.6	7.4	6.6	6.1	5.7	5.6	5.6	5.6	5.6	5.6	5.6
62.5°	10.4	8.2	7.2	6.5	6.0	5.7	5.6	5.6	5.6	5.6	5.6
60°	12.6	9.5	7.8	7.0	6.3	5.7	5.6	5.6	5.6	5.6	5.6
57.5°	14.5	10.5	9.0	7.7	6.7	6.0	5.6	5.6	5.6	5.6	5.6
55°	15.3	11.4	10.0	8.7	7.4	6.4	5.8	5.6	5.6	5.6	5.6
52.5°	13.5	11.8	10.9	9.6	8.3	6.9	6.2	5.6	5.6	5.6	5.6
50°	10.6	11.1	11.1	10.2	9.1	7.7	6.6	5.9	5.6	5.6	5.7
47.5°	9.4	10.4	10.6	10.5	9.5	8.5	7.2	6.3	5.6	5.6	5.7
45°	9.6	10.0	10.4	10.2	9.8	8.9	7.7	6.7	5.9	5.7	5.8
42.5°	10.7	10.7	10.5	10.0	9.9	9.2	8.2	7.1	6.2	5.8	6.0
40°	12.9	12.2	11.2	11.0	10.1	9.5	8.5	7.4	6.5	6.1	6.1
37.5°	15.8	14.6	13.0	13.2	11.0	9.8	8.7	7.7	7.0	6.5	6.3
35°	21.7	17.9	16.8	16.7	14.0	10.3	9.0	7.9	7.5	6.9	6.5
32.5°	29.4	24.0	22.4	20.8	17.9	10.8	9.3	8.6	8.0	7.2	6.7
30°	37.8	34.9	28.9	25.3	22.4	14.4	10.3	9.4	8.5	7.6	7.0
27.5°	50.9	47.0	36.8	31.3	26.7	19.1	12.4	10.4	9.1	8.0	7.3
25°	68.6	60.6	48.3	38.0	31.3	30.4	15.0	11.5	9.8	8.5	7.6
22.5°	93.4	76.4	60.7	45.2	49.8	44.7	21.0	13.5	10.7	8.9	7.9
20°	122.1	94.4	79.8	75.9	72.7	60.5	31.6	15.8	11.6	9.4	8.2
17.5°	156.6	138.7	132.8	114.6	98.5	78.6	43.8	18.3	12.5	9.9	8.4
15°	254.9	217.3	191.5	157.9	126.2	98.7	57.3	21.0	13.5	10.4	8.6
12.5°	371.2	300.6	254.4	204.8	155.5	120.1	71.6	23.7	14.5	10.8	8.7
10°	491.8	387.2	320.5	254.1	185.9	142.5	86.1	26.7	15.8	11.1	8.8
7.5°	614.3	475.7	388.2	304.6	216.1	164.4	102.1	30.3	17.2	11.5	8.8
5°	725.5	552.5	443.6	345.1	242.9	184.9	117.7	33.8	18.6	11.8	8.9
2.5°	786.6	608.6	489.2	381.9	268.7	204.1	132.2	37.1	20.0	12.1	8.9
0°	840.3	660.9	531.6	415.7	293.1	221.8	144.9	40.1	21.2	12.3	8.9
-2.5°	840.6	652.6	529.9	425.9	305.2	228.5	150.4	49.0	26.6	15.3	9.9
-5°	832.4	640.2	525.6	432.6	314.8	233.3	153.8	57.3	31.8	18.1	10.9
-7.5°	795.2	615.8	514.9	434.0	321.7	236.0	155.2	64.8	36.5	20.8	11.8
-10°	745.4	583.2	495.3	420.5	318.9	235.3	154.8	71.3	40.7	23.0	12.6
-12.5°	688.2	548.9	476.2	405.6	312.6	231.5	152.0	76.3	44.3	24.9	13.2
-15°	623.9	513.7	458.5	390.1	304.3	226.2	148.0	80.1	47.3	26.5	13.6
-17.5°	555.1	478.2	443.0	374.6	294.0	219.5	143.0	82.6	49.5	27.8	14.2
-20°	518.5	454.8	428.8	359.6	281.9	211.6	137.4	83.7	50.8	28.6	15.0



REPORT NUMBER: P701453 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	486.4	442.7	408.0	343.9	269.2	202.5	131.2	83.5	51.1	28.8	15.5
-25°	453.5	431.1	387.4	323.3	256.8	192.8	127.4	81.8	50.4	28.5	15.8
-27.5°	435.2	416.7	367.0	301.0	240.1	183.2	124.9	80.8	49.1	27.5	15.8
-30°	423.6	393.9	342.1	278.3	222.0	168.5	120.5	78.5	47.9	26.9	15.4
-32.5°	414.8	372.0	314.6	257.0	203.8	152.8	111.5	74.7	45.8	26.4	15.3
-35°	395.5	345.2	286.2	234.4	185.1	139.8	100.9	69.4	42.7	25.6	15.0
-37.5°	373.4	314.8	260.4	211.7	165.6	126.0	91.1	62.2	38.8	24.3	14.4
-40°	338.6	284.1	234.3	189.6	148.4	111.3	80.4	55.4	36.2	22.6	13.4
-42.5°	302.2	254.0	208.9	166.9	131.5	98.4	69.1	48.1	32.9	20.9	12.1
-45°	267.8	223.5	182.9	147.1	114.1	84.5	60.5	40.8	29.2	19.0	10.9
-47.5°	232.6	193.8	158.1	126.0	97.7	70.9	51.3	36.2	25.1	16.5	10.2
-50°	199.1	164.8	133.9	106.1	80.0	60.3	42.6	31.1	21.5	13.4	9.5
-52.5°	167.0	137.1	110.7	86.1	66.3	49.1	36.5	25.8	17.7	11.6	8.6
-55°	136.2	111.2	88.3	69.3	53.0	40.6	29.8	21.2	13.6	10.3	7.7
-57.5°	108.4	86.4	69.6	54.2	42.4	32.6	23.9	16.4	11.6	9.1	7.5
-60°	81.8	66.9	52.5	42.5	33.6	25.4	18.2	12.5	10.2	8.0	7.2
-62.5°	61.4	49.3	41.0	32.9	25.6	18.9	13.0	10.9	8.7	7.7	7.0
-65°	46.0	38.4	30.6	24.4	18.3	13.4	11.2	9.2	8.1	7.4	6.8
-67.5°	34.6	28.2	21.9	16.2	13.2	11.0	9.2	8.4	7.8	7.1	6.8
-70°	24.4	18.7	14.7	12.2	10.3	8.8	8.5	8.0	7.4	7.0	6.8
-72.5°	16.5	13.6	10.8	8.9	8.6	8.3	8.0	7.6	7.2	6.9	6.7
-75°	11.3	9.9	8.9	8.3	8.0	7.8	7.5	7.2	6.9	6.7	6.5
-77.5°	9.5	8.7	8.0	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.1
-80°	8.0	7.6	7.3	7.0	6.9	6.7	6.5	6.4	6.2	6.0	5.8
-82.5°	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.9	5.8	5.6	5.5
-85°	6.0	5.9	5.8	5.8	5.7	5.6	5.5	5.4	5.3	5.3	5.2
-87.5°	5.2	5.2	5.2	5.1	5.1	5.0	5.0	5.0	4.9	4.9	4.8
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5



REPORT NUMBER: P701453 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.8	4.7	4.7	4.6	4.6	4.5	4.5
85°	5.1	5.0	4.9	4.8	4.7	4.5	4.5
82.5°	5.4	5.2	5.1	4.9	4.8	4.6	4.5
80°	5.6	5.4	5.3	5.1	4.9	4.6	4.5
77.5°	5.6	5.6	5.4	5.2	5.0	4.6	4.5
75°	5.6	5.6	5.6	5.4	5.0	4.6	4.5
72.5°	5.6	5.6	5.6	5.5	5.1	4.7	4.5
70°	5.6	5.6	5.6	5.6	5.2	4.7	4.5
67.5°	5.6	5.6	5.6	5.6	5.3	4.7	4.5
65°	5.6	5.6	5.6	5.6	5.3	4.7	4.5
62.5°	5.6	5.6	5.6	5.6	5.4	4.7	4.5
60°	5.6	5.6	5.6	5.6	5.5	4.7	4.5
57.5°	5.6	5.6	5.6	5.6	5.4	4.7	4.5
55°	5.6	5.6	5.6	5.6	5.4	4.8	4.5
52.5°	5.6	5.6	5.6	5.6	5.4	4.8	4.5
50°	5.6	5.6	5.6	5.6	5.4	4.8	4.5
47.5°	5.6	5.6	5.6	5.6	5.4	4.8	4.5
45°	5.7	5.6	5.6	5.6	5.4	4.8	4.5
42.5°	5.8	5.6	5.6	5.6	5.4	4.8	4.5
40°	5.9	5.6	5.6	5.6	5.4	4.8	4.5
37.5°	6.1	5.6	5.6	5.6	5.4	4.8	4.5
35°	6.2	5.7	5.6	5.6	5.4	4.8	4.5
32.5°	6.4	5.8	5.6	5.6	5.4	4.7	4.5
30°	6.6	5.9	5.6	5.6	5.5	4.7	4.5
27.5°	6.7	6.0	5.6	5.6	5.5	4.7	4.5
25°	6.9	6.2	5.6	5.6	5.5	4.7	4.5
22.5°	7.1	6.3	5.6	5.6	5.5	4.7	4.5
20°	7.4	6.4	5.6	5.6	5.5	4.7	4.5
17.5°	7.5	6.4	5.6	5.6	5.5	4.7	4.5
15°	7.6	6.5	5.6	5.6	5.5	4.6	4.5
12.5°	7.6	6.6	5.6	5.6	5.6	4.6	4.5
10°	7.7	6.6	5.6	5.6	5.6	4.6	4.5
7.5°	7.7	6.7	5.6	5.6	5.6	4.6	4.5
5°	7.8	6.7	5.6	5.6	5.6	4.5	4.5
2.5°	7.8	6.7	5.6	5.6	5.6	4.5	4.5
0°	7.8	6.7	5.6	5.6	5.6	4.5	4.5
-2.5°	7.9	6.8	5.7	5.6	5.6	4.5	4.5
-5°	8.1	6.9	5.8	5.6	5.6	4.5	4.5
-7.5°	8.2	7.0	5.9	5.6	5.6	4.6	4.5
-10°	8.3	7.1	6.0	5.6	5.6	4.6	4.5
-12.5°	8.4	7.2	6.0	5.6	5.6	4.6	4.5
-15°	8.4	7.2	6.1	5.6	5.5	4.6	4.5
-17.5°	8.5	7.3	6.1	5.6	5.5	4.7	4.5
-20°	8.8	7.3	6.2	5.6	5.5	4.7	4.5



REPORT NUMBER: P701453 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	9.3	7.3	6.2	5.6	5.5	4.7	4.5
-25°	9.6	7.4	6.2	5.6	5.5	4.7	4.5
-27.5°	9.8	7.4	6.2	5.6	5.5	4.7	4.5
-30°	9.7	7.3	6.1	5.6	5.5	4.7	4.5
-32.5°	9.4	7.3	6.1	5.6	5.4	4.7	4.5
-35°	9.2	7.1	6.0	5.6	5.4	4.8	4.5
-37.5°	9.1	6.9	5.9	5.6	5.4	4.8	4.5
-40°	8.8	6.8	5.8	5.6	5.4	4.8	4.5
-42.5°	8.4	6.7	5.8	5.6	5.4	4.8	4.5
-45°	8.0	6.6	5.8	5.6	5.4	4.8	4.5
-47.5°	7.5	6.5	5.9	5.7	5.4	4.8	4.5
-50°	7.2	6.3	5.9	5.7	5.4	4.8	4.5
-52.5°	7.1	6.2	5.9	5.7	5.4	4.8	4.5
-55°	6.9	6.2	6.0	5.7	5.4	4.8	4.5
-57.5°	6.7	6.2	6.0	5.7	5.4	4.7	4.5
-60°	6.5	6.2	6.0	5.7	5.5	4.7	4.5
-62.5°	6.5	6.3	6.0	5.7	5.4	4.7	4.5
-65°	6.6	6.3	5.9	5.7	5.3	4.7	4.5
-67.5°	6.6	6.3	5.8	5.6	5.3	4.7	4.5
-70°	6.6	6.1	5.8	5.6	5.2	4.7	4.5
-72.5°	6.4	6.0	5.7	5.5	5.1	4.7	4.5
-75°	6.2	5.8	5.6	5.4	5.0	4.6	4.5
-77.5°	5.9	5.7	5.4	5.2	5.0	4.6	4.5
-80°	5.6	5.4	5.3	5.1	4.9	4.6	4.5
-82.5°	5.4	5.2	5.1	4.9	4.8	4.6	4.5
-85°	5.1	5.0	4.9	4.8	4.7	4.5	4.5
-87.5°	4.8	4.7	4.7	4.6	4.6	4.5	4.5
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5

(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

