

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: P701500 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-80-5S-CV2-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701500 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0640L-40-80-5S-CV2-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

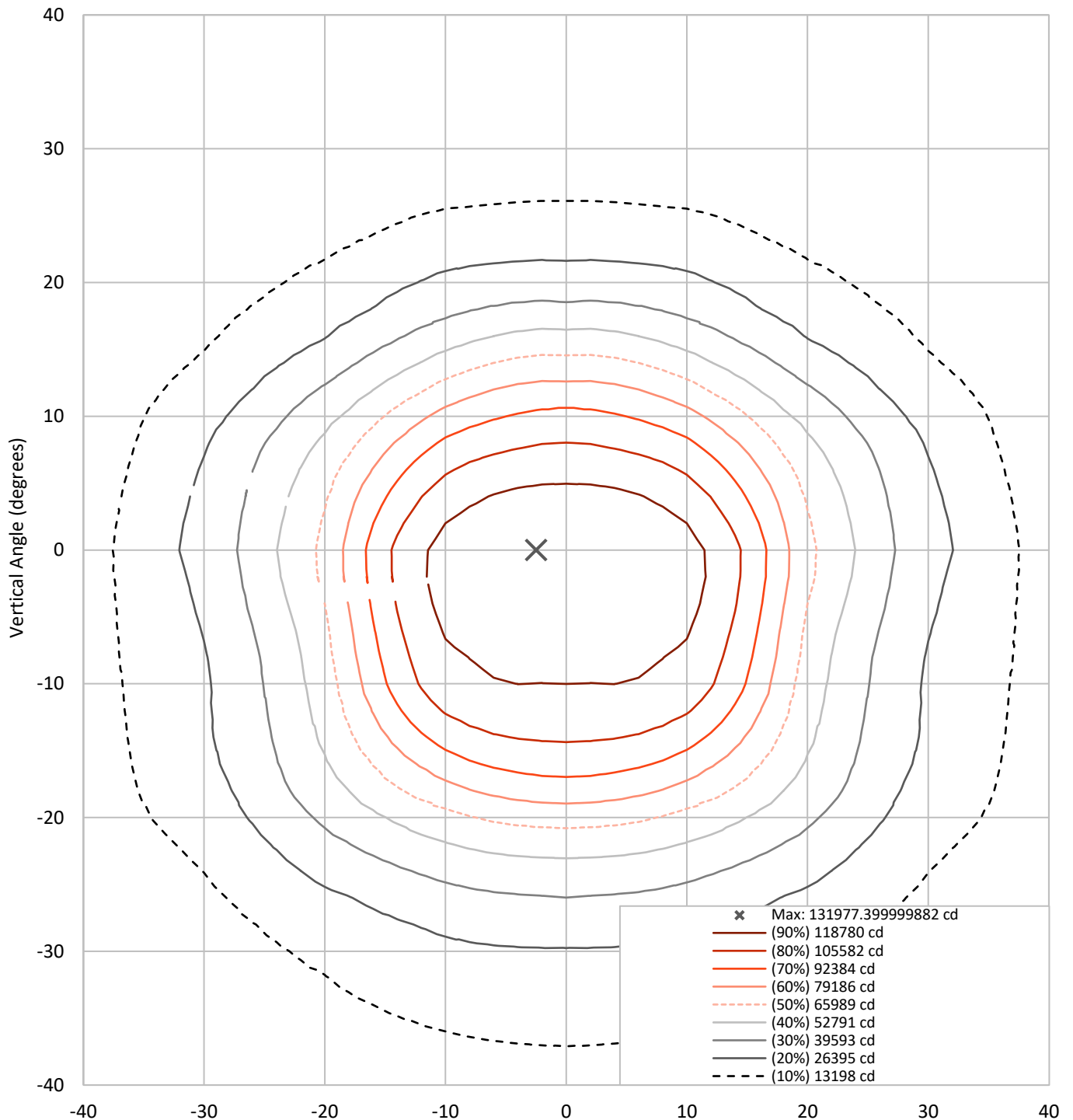
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	65134.5 lumens	Max Intensity:	131977.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	99.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.5°H x 35.3°V	Field Angle (10%):	75°H x 63°V
Beam Lumens:	35825.3 lumens	Field Lumens:	59670.7 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%

Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Iso-Candela Plot





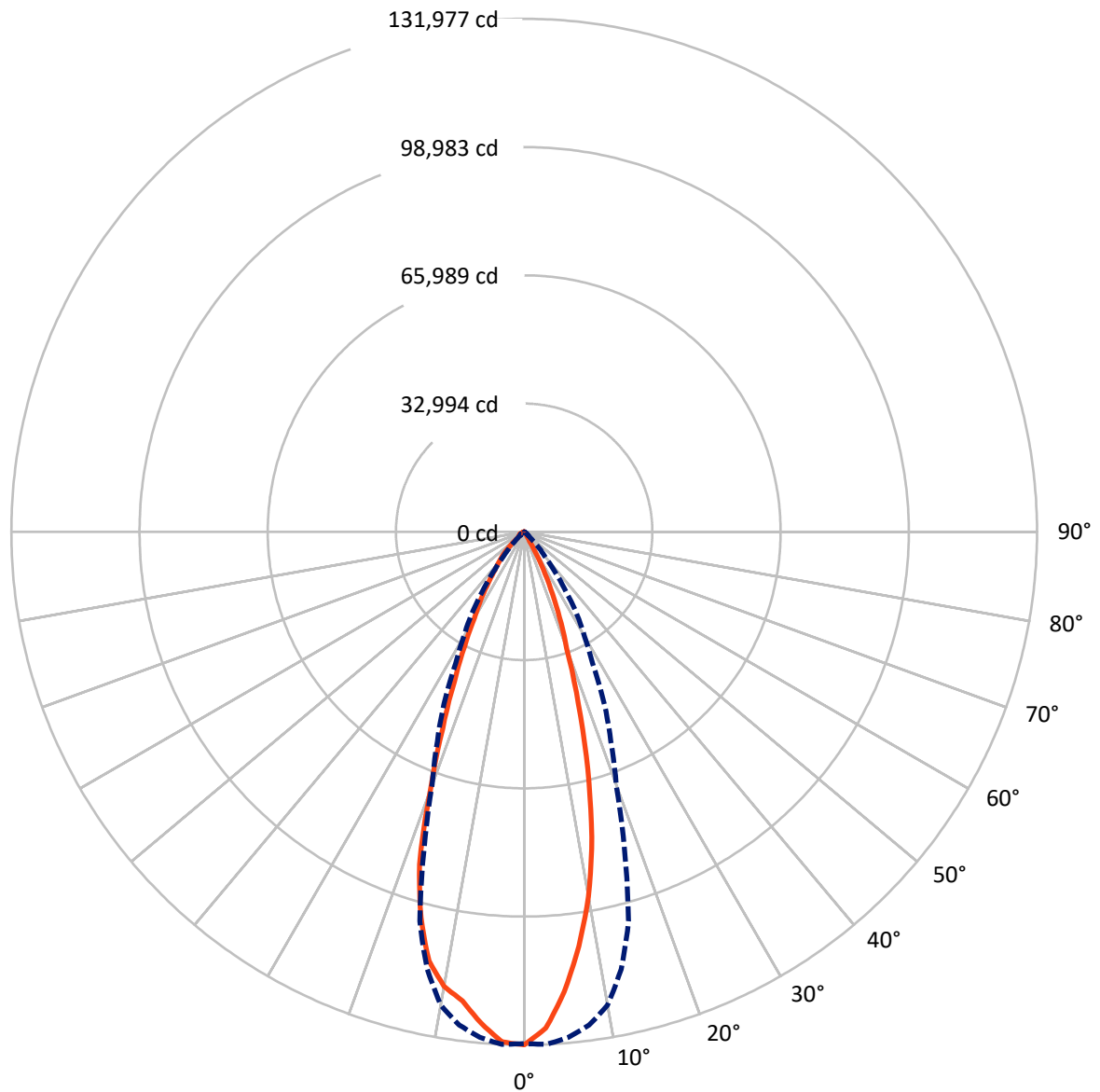
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### Lumen Table

90																		
80	0.2	0.5		0.6		0.6		0.4		0.6		0.6		0.5		0.2		
70																		
60	0.2	0.1	0.2	0.4	0.5	0.4	0.3	0.4	0.4	0.3	0.4	0.5	0.4	0.2	0.1	0.2		
50		0.1	0.2	0.7	0.8	0.4	0.4	0.5	0.5	0.4	0.4	0.8	0.7	0.2	0.1			
40	0.2	0.2	0.3	0.6	0.8	1.1	1.7	1.9	1.9	1.7	1.1	0.8	0.6	0.3	0.2	0.2		
30		0.2	0.8	2.0	5.3	14.6	25.3	32.3	32.3	25.3	14.6	5.3	2.0	0.8	0.2			
20	0.2	0.4	2.8	9.9	57.8	166.3	337.9	488.0	488.0	337.9	166.3	57.8	9.9	2.8	0.4	0.2		
10		0.8	6.1	32.4	205.7	602.9	1235.6	1825.5	1825.5	1235.6	602.9	205.7	32.4	6.1	0.8			
0	0.3	1.4	10.5	70.5	423.2	1208.7	2530.9	3454.2	3454.2	2530.9	1208.7	423.2	70.5	10.5	1.4	0.3		
-10		2.4	14.3	85.3	443.1	1237.8	2840.3	3785.6	3785.6	2840.3	1237.8	443.1	85.3	14.3	2.4			
-20	0.4	2.8	14.7	68.5	376.2	1019.1	2146.1	2955.3	2955.3	2146.1	1019.1	376.2	68.5	14.7	2.8	0.4		
-30		2.5	12.0	32.2	188.7	545.3	1002.8	1316.8	1316.8	1002.8	545.3	188.7	32.2	12.0	2.5			
-40	0.3	1.9	8.3	18.8	55.1	205.5	378.0	493.2	493.2	378.0	205.5	55.1	18.8	8.3	1.9	0.3		
-50		1.1	5.0	13.2	24.3	45.6	102.7	155.0	155.0	102.7	45.6	24.3	13.2	5.0	1.1			
-60	0.2	0.5	2.5	7.4	15.5	25.6	35.0	40.6	40.6	35.0	25.6	15.5	7.4	2.5	0.5	0.2		
-70		0.2	0.9	2.9	6.4	11.3	17.1	20.4	20.4	17.1	11.3	6.4	2.9	0.9	0.2			
-80	0.2	0.7		2.3		6.1		8.6		6.1		2.3		0.7		0.2		
-90																		

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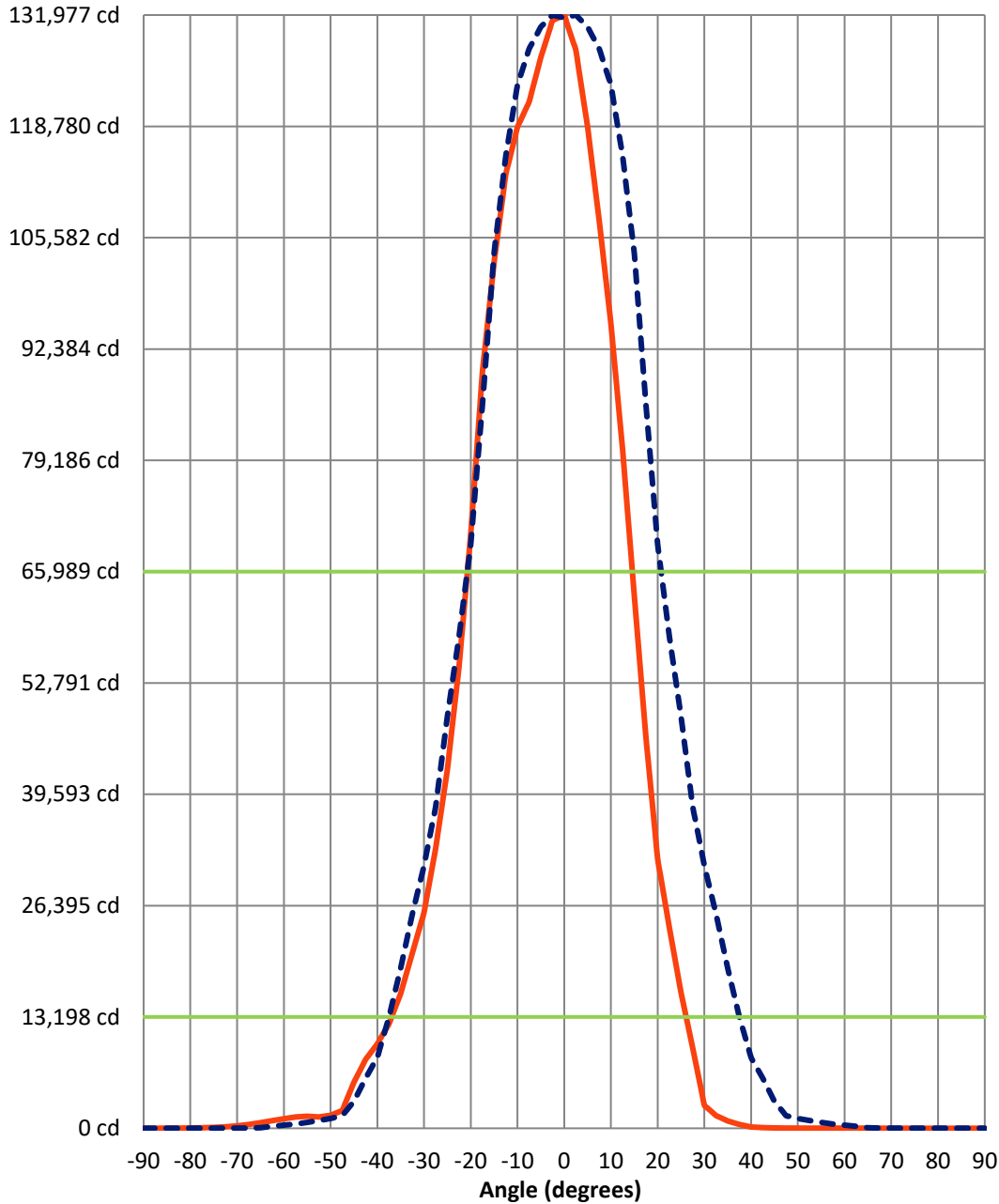
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 41.5°  
 V Angle: 35.3°  
 Lumens: 35825.3  
 Efficiency: 55.0%

**Field:**  
 H Angle: 75°  
 V Angle: 63°  
 Lumens: 59670.7  
 Efficiency: 91.6%

**Spill:**  
 Lumens: 5463.8  
 Efficiency: 8.4%

— 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°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
87.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
85°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
82.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
80°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
77.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
75°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.9	7.8
72.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.8	8.1	8.1	7.9
70°	7.7	7.7	7.7	7.7	7.7	7.7	7.8	8.3	8.5	8.4	8.5
67.5°	7.7	7.7	7.7	7.7	7.7	7.7	8.2	8.8	8.9	8.9	9.2
65°	7.7	7.7	7.7	7.7	7.7	7.9	8.7	9.3	9.2	9.3	9.6
62.5°	7.7	7.7	7.7	7.7	7.7	8.3	9.1	9.5	9.4	9.6	9.6
60°	7.7	7.7	7.7	7.7	7.7	8.6	9.6	9.6	9.6	9.6	9.6
57.5°	7.7	7.7	7.7	7.7	8.0	9.0	9.6	9.6	9.6	9.6	9.6
55°	7.7	7.7	7.7	7.7	8.2	9.3	9.6	9.6	9.6	9.6	9.6
52.5°	7.7	7.7	7.7	7.7	8.5	9.6	9.6	9.6	9.6	9.6	9.6
50°	7.7	7.7	7.7	7.7	8.8	9.6	9.6	9.6	9.6	9.6	10.2
47.5°	7.7	7.7	7.7	7.7	9.0	9.6	9.6	9.6	9.6	9.6	10.8
45°	7.7	7.7	7.7	7.9	9.3	9.6	9.6	9.6	9.7	10.1	11.4
42.5°	7.7	7.7	7.7	8.1	9.5	9.6	9.6	9.7	9.8	10.7	12.0
40°	7.7	7.7	7.7	8.2	9.6	9.6	9.6	9.8	10.1	11.2	12.6
37.5°	7.7	7.7	7.7	8.4	9.6	9.6	9.6	10.0	10.6	11.8	13.2
35°	7.7	7.7	7.7	8.4	9.6	9.6	9.6	10.2	11.2	12.5	13.7
32.5°	7.7	7.7	7.7	8.5	9.6	9.6	9.7	10.5	11.7	13.3	14.7
30°	7.7	7.7	7.7	8.6	9.6	9.6	9.9	10.8	12.2	14.1	15.8
27.5°	7.7	7.7	7.7	8.6	9.5	9.6	10.1	11.2	12.8	14.9	17.0
25°	7.7	7.7	7.7	8.6	9.5	9.6	10.3	11.7	13.4	15.9	18.5
22.5°	7.7	7.7	7.7	8.5	9.5	9.6	10.5	12.0	14.1	17.0	21.7
20°	7.7	7.7	7.7	8.5	9.5	9.6	10.8	12.4	14.8	18.1	25.1
17.5°	7.7	7.7	7.7	8.4	9.5	9.6	11.0	12.8	15.5	19.3	28.4
15°	7.7	7.7	7.7	8.4	9.5	9.6	11.1	13.0	16.1	20.5	31.8
12.5°	7.7	7.7	7.7	8.3	9.5	9.6	11.2	13.2	16.7	21.7	35.0
10°	7.7	7.7	7.7	8.2	9.5	9.6	11.3	13.3	17.3	23.5	39.4
7.5°	7.7	7.7	7.7	8.1	9.6	9.6	11.4	13.4	17.8	25.4	46.4
5°	7.7	7.7	7.7	7.9	9.6	9.6	11.5	13.4	18.4	27.3	53.7
2.5°	7.7	7.7	7.7	7.8	9.6	9.6	11.5	13.5	18.8	29.1	60.7
0°	7.7	7.7	7.7	7.7	9.6	9.6	11.5	13.5	19.2	30.8	67.3
-2.5°	7.7	7.7	7.7	7.8	9.6	10.0	12.3	15.3	24.4	42.2	87.0
-5°	7.7	7.7	7.7	7.9	9.6	10.4	13.0	17.0	29.3	53.0	105.5
-7.5°	7.7	7.7	7.7	8.1	9.6	10.8	13.7	18.6	33.8	63.0	122.3
-10°	7.7	7.7	7.7	8.2	9.5	11.2	14.3	20.1	37.8	71.8	136.9
-12.5°	7.7	7.7	7.7	8.3	9.5	11.5	14.9	21.4	41.0	79.2	147.1
-15°	7.7	7.7	7.7	8.4	9.5	11.7	15.4	22.4	44.1	85.5	154.0
-17.5°	7.7	7.7	7.7	8.4	9.5	11.9	15.8	24.0	47.2	90.2	158.6
-20°	7.7	7.7	7.7	8.5	9.5	11.9	16.3	25.7	49.2	93.0	160.8



REPORT NUMBER: P701500 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-5S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.7	7.7	7.7	8.5	9.5	11.9	16.9	26.9	50.0	93.9	160.2
-25°	7.7	7.7	7.7	8.6	9.5	11.9	17.2	27.6	49.4	92.6	157.0
-27.5°	7.7	7.7	7.7	8.6	9.5	11.7	17.2	27.6	47.5	90.3	155.2
-30°	7.7	7.7	7.7	8.6	9.6	11.5	16.9	27.1	46.4	88.0	150.6
-32.5°	7.7	7.7	7.7	8.5	9.7	11.2	16.3	26.6	45.8	83.8	143.0
-35°	7.7	7.7	7.7	8.4	9.8	10.9	15.8	25.9	44.2	77.5	132.4
-37.5°	7.7	7.7	7.7	8.4	9.9	10.6	15.3	24.7	41.6	69.1	116.9
-40°	7.7	7.7	7.7	8.2	9.9	10.7	14.7	23.0	38.1	63.6	102.3
-42.5°	7.7	7.7	7.7	8.1	9.8	10.7	14.0	20.7	34.9	57.1	87.0
-45°	7.7	7.7	7.7	8.0	9.7	10.8	13.2	18.7	31.7	49.9	72.2
-47.5°	7.7	7.7	7.7	7.8	9.5	10.7	12.2	17.6	27.8	42.2	63.5
-50°	7.7	7.7	7.7	7.8	9.3	10.7	12.0	16.2	23.0	36.6	54.2
-52.5°	7.7	7.7	7.7	7.9	9.1	10.6	11.8	14.7	20.1	30.6	44.7
-55°	7.7	7.7	7.7	7.9	8.9	10.3	11.6	13.2	18.0	24.2	37.3
-57.5°	7.7	7.7	7.7	8.0	8.6	10.0	11.4	12.9	15.8	20.7	29.4
-60°	7.7	7.7	7.7	8.0	8.4	9.7	11.1	12.5	13.9	17.9	22.8
-62.5°	7.7	7.7	7.7	8.0	8.4	9.4	10.7	12.0	13.3	15.1	19.5
-65°	7.7	7.7	7.7	8.0	8.5	9.1	10.3	11.5	12.8	14.0	16.1
-67.5°	7.7	7.7	7.7	8.1	8.5	8.9	9.9	11.1	12.2	13.4	14.5
-70°	7.7	7.7	7.7	8.1	8.5	9.0	9.5	10.6	11.7	12.8	13.9
-72.5°	7.7	7.7	7.7	8.1	8.6	9.0	9.5	10.1	11.1	12.1	13.1
-75°	7.7	7.7	7.7	8.0	8.6	9.0	9.5	9.9	10.5	11.4	12.4
-77.5°	7.7	7.7	7.7	8.0	8.5	9.1	9.5	9.8	10.2	10.8	11.6
-80°	7.7	7.7	7.7	7.9	8.3	8.9	9.6	9.7	9.9	10.3	10.9
-82.5°	7.7	7.7	7.7	7.9	8.2	8.6	9.2	9.4	9.6	9.8	10.1
-85°	7.7	7.7	7.7	7.8	8.0	8.3	8.7	8.8	9.0	9.2	9.3
-87.5°	7.7	7.7	7.7	7.8	7.9	8.0	8.2	8.3	8.3	8.4	8.5
-90°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7





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 CATALOG NUMBER: EPH-LS-08-0640L-40-80-5S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	7.7	7.7	7.7	7.7	7.2	6.8	6.3	5.8	5.8	5.8	5.8
87.5°	7.4	7.2	7.0	6.9	6.7	6.4	6.1	5.8	5.3	4.8	4.3
85°	7.7	7.7	7.7	7.7	7.2	6.8	6.3	5.8	5.5	5.3	5.2
82.5°	7.7	7.7	7.7	7.7	7.3	6.8	6.3	5.8	5.8	5.8	5.8
80°	7.7	7.7	7.7	7.7	7.3	6.8	6.4	5.9	5.8	5.9	5.9
77.5°	7.7	7.7	7.7	7.7	7.4	7.0	6.9	6.9	6.8	6.7	6.4
75°	7.7	7.7	7.8	7.8	7.6	7.6	7.7	7.7	7.4	6.9	6.5
72.5°	8.0	8.2	8.2	7.9	7.7	7.7	7.7	7.7	7.9	8.0	7.9
70°	8.8	8.9	8.5	8.0	7.7	7.9	8.7	9.8	10.6	10.6	10.5
67.5°	9.5	9.0	8.6	8.2	8.5	9.4	10.6	12.2	13.6	13.6	14.1
65°	9.6	9.1	8.9	9.1	9.5	11.2	13.0	14.7	18.8	21.3	22.5
62.5°	9.6	9.3	9.4	10.1	11.6	13.5	16.1	20.6	27.1	30.5	29.5
60°	9.6	9.5	10.2	11.7	13.4	15.2	19.4	25.8	34.2	40.3	36.7
57.5°	9.6	10.1	11.4	13.0	14.3	16.0	21.6	29.6	39.5	50.2	43.6
55°	9.9	10.9	12.4	13.8	15.2	16.5	22.5	31.6	42.8	49.2	42.9
52.5°	10.6	11.7	13.1	14.6	16.0	17.5	21.9	30.7	37.3	42.3	39.2
50°	11.3	12.5	13.8	15.4	17.0	18.6	19.4	26.6	31.9	34.1	33.9
47.5°	12.0	13.3	14.5	16.2	18.4	19.8	19.7	23.3	27.2	29.7	27.6
45°	12.7	14.0	15.3	17.7	20.0	21.2	22.4	21.6	27.8	29.5	28.3
42.5°	13.4	14.7	17.0	19.2	22.1	25.3	27.1	29.3	32.4	35.4	34.6
40°	14.0	15.5	19.3	23.8	25.9	31.8	37.6	41.0	42.3	45.0	45.0
37.5°	14.6	17.9	23.8	33.3	33.4	42.2	50.4	58.5	61.0	56.5	64.0
35°	15.2	20.6	36.0	47.5	49.3	56.0	69.5	82.0	89.4	85.1	92.1
32.5°	16.9	23.5	51.9	63.9	75.9	81.9	91.6	118.4	144.2	152.0	138.4
30°	20.0	38.1	70.0	82.0	110.2	128.7	134.4	170.6	224.6	271.8	365.0
27.5°	23.8	55.9	87.0	112.4	153.0	186.2	200.8	259.9	352.3	476.9	744.9
25°	27.8	74.6	104.9	151.1	209.0	247.7	271.6	354.9	509.9	907.7	1408.5
22.5°	37.6	93.7	127.6	194.2	272.3	305.9	356.2	469.9	729.9	1391.0	2221.8
20°	52.8	111.7	160.0	236.8	340.1	361.4	434.3	580.1	1031.0	2032.4	3030.6
17.5°	67.8	132.1	195.4	287.1	392.2	435.3	510.0	680.5	1283.7	2836.2	4080.5
15°	82.4	154.1	228.8	338.0	453.2	538.2	652.5	906.4	1766.5	3787.9	5470.5
12.5°	96.2	177.3	260.1	388.8	523.7	647.3	816.1	1274.8	2627.7	4899.7	7411.1
10°	109.1	201.0	289.1	438.3	601.0	760.3	985.4	1677.8	3498.0	5867.3	8947.7
7.5°	138.9	237.0	321.6	485.6	681.9	874.7	1156.3	2097.2	4283.6	6686.1	10231.7
5°	172.0	285.6	383.6	559.9	767.1	982.3	1313.0	2512.6	4972.3	7360.6	11388.2
2.5°	204.4	332.6	444.0	633.7	848.7	1076.0	1409.9	2874.7	5512.7	7931.3	12386.2
0°	234.6	377.0	502.0	702.0	923.2	1161.7	1492.5	3190.8	5923.8	8393.3	13172.7
-2.5°	271.6	424.5	566.2	767.0	948.3	1164.2	1493.8	3074.1	6013.3	8829.9	12877.7
-5°	303.5	467.8	625.8	826.1	970.6	1160.7	1481.8	2895.8	5963.9	9063.7	12639.9
-7.5°	329.2	506.3	679.5	873.1	991.1	1172.6	1510.7	2935.1	5881.7	9063.7	12490.7
-10°	344.1	517.3	679.9	870.6	1004.5	1187.8	1530.4	2865.7	5631.1	8875.9	12187.4
-12.5°	330.8	503.7	665.8	859.2	1012.9	1190.9	1524.0	2669.5	5208.5	8493.3	11808.9
-15°	315.1	487.4	645.9	838.2	1015.9	1180.5	1488.5	2333.2	4515.9	7669.3	11352.3
-17.5°	297.5	468.7	619.8	806.9	1013.4	1155.6	1401.9	1801.3	3619.6	6517.9	10304.7
-20°	278.9	447.9	587.4	764.7	999.5	1098.3	1270.4	1598.0	2855.8	5227.2	8657.4



REPORT NUMBER: P701500 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	259.7	425.5	553.7	723.1	918.7	1029.2	1147.4	1383.3	2019.1	3776.4	6527.8
-25°	248.8	397.2	524.3	668.2	835.8	964.7	1023.8	1172.3	1490.6	2772.3	4765.7
-27.5°	243.8	370.2	488.1	611.7	760.2	897.2	940.5	1036.6	1274.4	1788.4	3219.5
-30°	235.3	333.6	448.2	557.6	694.0	816.1	879.5	940.4	1092.2	1370.1	2162.8
-32.5°	216.6	296.4	405.3	511.0	628.8	747.2	842.5	900.9	996.5	1141.6	1404.5
-35°	193.6	268.9	361.7	460.7	564.4	683.2	790.8	876.2	922.6	1022.5	1198.5
-37.5°	172.7	239.1	317.9	409.8	506.5	616.6	734.8	828.1	896.1	944.0	1070.1
-40°	150.5	207.0	280.5	362.1	449.1	549.8	658.6	767.0	853.1	924.6	980.7
-42.5°	128.0	181.3	243.3	315.3	397.6	485.7	579.3	685.6	792.4	885.5	956.2
-45°	110.4	154.5	205.6	274.5	347.0	424.0	508.7	596.7	711.4	816.9	904.9
-47.5°	92.1	128.8	175.7	232.8	299.4	367.9	439.3	527.4	622.7	726.9	827.3
-50°	75.4	108.2	145.7	197.3	254.3	314.8	378.3	458.8	546.6	635.5	727.4
-52.5°	64.4	86.9	121.7	162.2	212.5	266.6	325.2	393.8	471.7	552.9	634.3
-55°	52.7	72.4	98.2	132.3	171.7	220.2	275.3	335.0	396.1	470.1	543.2
-57.5°	42.6	59.3	79.6	105.0	137.6	173.9	225.0	278.2	334.2	391.4	452.3
-60°	33.1	46.9	64.1	83.8	106.3	138.3	174.8	220.7	270.6	320.8	372.1
-62.5°	24.2	35.4	49.4	65.8	84.4	104.6	133.9	168.6	205.9	247.8	290.7
-65°	20.3	25.2	35.3	48.9	63.9	81.4	100.6	121.1	151.4	181.3	211.1
-67.5°	16.2	20.4	25.2	31.9	44.6	58.5	73.2	90.6	108.8	125.6	145.1
-70°	14.8	15.9	19.3	23.7	28.7	36.3	48.6	61.6	74.6	87.3	101.4
-72.5°	13.9	14.7	15.7	17.0	20.6	25.2	30.2	35.8	44.2	54.2	64.1
-75°	13.0	13.4	14.1	15.0	16.1	17.3	19.0	23.1	27.5	31.8	36.0
-77.5°	12.1	12.5	12.8	13.2	13.6	14.4	15.4	16.4	17.8	19.5	21.5
-80°	11.2	11.5	11.8	12.1	12.1	12.2	12.5	12.8	13.3	13.9	14.9
-82.5°	10.3	10.5	10.8	11.0	10.7	10.5	10.2	10.1	10.4	10.8	11.1
-85°	9.5	9.6	9.7	9.9	9.6	9.2	8.9	8.5	8.6	8.7	8.8
-87.5°	8.6	8.6	8.7	8.8	8.4	8.0	7.6	7.1	7.2	7.3	7.3
-90°	7.2	6.8	6.3	5.8	5.8	5.8	5.8	5.8	5.3	4.8	4.3



REPORT NUMBER: P701500 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.8	5.8	5.8	5.8	5.8	6.3	6.8	7.2	7.7	8.6	9.6
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.3	2.9
85°	5.1	4.8	4.5	4.2	3.8	3.8	3.8	3.8	3.8	3.3	2.9
82.5°	5.8	5.3	4.8	4.3	3.8	3.8	3.8	3.8	3.8	3.3	2.9
80°	5.8	5.5	5.3	5.1	5.1	4.9	4.6	4.2	3.8	3.4	2.9
77.5°	5.9	5.8	5.8	5.8	5.8	5.4	4.9	4.4	3.9	3.4	2.9
75°	6.0	5.9	6.0	6.0	5.9	5.6	5.5	5.4	5.4	5.1	4.7
72.5°	7.6	7.3	7.1	7.0	6.7	6.5	6.4	6.2	5.9	5.7	5.7
70°	10.3	10.1	9.9	9.6	9.2	8.8	8.5	8.1	7.5	7.3	7.5
67.5°	15.1	15.4	15.2	14.5	13.1	11.7	11.0	10.3	9.4	9.4	10.0
65°	22.2	19.4	17.6	16.1	14.8	13.7	13.0	12.2	11.4	11.6	13.3
62.5°	26.3	20.6	17.6	16.5	15.8	15.2	14.1	13.4	13.0	13.4	14.7
60°	30.6	22.2	16.6	15.5	14.5	13.6	13.5	13.5	13.5	13.7	14.3
57.5°	32.8	22.8	15.3	14.8	14.2	13.7	13.7	13.8	13.8	13.6	14.1
55°	32.1	22.9	15.8	15.0	14.9	15.1	15.1	14.3	13.8	13.5	14.0
52.5°	29.2	22.1	16.9	15.5	15.5	14.8	13.6	14.2	15.0	15.7	16.4
50°	26.0	20.8	18.1	16.8	16.9	17.0	16.9	18.0	19.0	19.6	20.3
47.5°	23.9	20.8	20.7	20.3	20.9	21.9	22.4	23.5	26.4	27.9	28.5
45°	24.1	25.6	26.7	27.6	27.5	32.9	36.9	39.0	41.5	43.9	45.9
42.5°	32.6	36.3	39.6	44.6	47.7	56.8	61.5	55.6	67.9	78.5	81.0
40°	49.9	55.3	67.1	80.3	96.2	103.0	135.0	136.4	150.3	185.0	196.3
37.5°	75.9	91.2	132.4	167.3	222.5	255.4	296.1	335.1	366.6	398.7	420.8
35°	118.2	196.9	258.9	367.5	441.8	479.3	527.7	585.4	609.9	711.3	788.8
32.5°	252.7	393.9	562.2	649.0	746.4	820.9	810.5	1050.7	1143.3	1295.7	1419.6
30°	467.1	804.4	1256.2	1256.2	1238.7	1649.5	1799.9	2110.1	2428.2	2640.1	3146.7
27.5°	1079.8	1795.5	2511.1	2525.6	2835.5	3693.3	4181.9	4328.7	5708.8	6595.1	7804.0
25°	1989.7	3167.9	4154.9	4614.3	5535.0	6932.5	7759.8	8746.3	10806.2	13153.3	14635.1
22.5°	2963.3	4218.9	5702.2	6748.3	8512.9	10310.6	11815.1	13991.9	16760.4	19379.5	21151.5
20°	3696.3	5171.3	7266.3	9463.6	11699.1	13952.7	16289.8	19280.9	23028.6	26217.8	29100.3
17.5°	5190.6	6750.2	9585.6	12574.2	15608.3	18016.1	21706.8	25294.1	29859.9	34487.9	38072.4
15°	7401.9	9915.8	12752.6	16629.3	20896.8	24581.2	28494.5	34789.9	40344.4	46292.5	51607.0
12.5°	10239.5	13571.2	17330.6	21788.9	27382.0	33164.3	39132.5	45777.3	53042.4	60187.1	67771.4
10°	12889.0	17468.0	22321.6	27807.4	34207.9	41510.1	48802.2	56331.2	66426.7	75576.5	83686.8
7.5°	14718.2	20111.3	26068.4	32773.4	40673.8	48440.2	56677.5	66914.5	78708.6	89083.9	97395.4
5°	16361.0	22472.1	28420.3	35198.5	44383.8	53260.8	62993.6	75453.5	88879.4	100257.2	108540.5
2.5°	17791.1	24367.5	30143.9	36972.5	47057.3	56293.3	66921.4	81770.7	97411.4	108808.0	117547.9
0°	18967.7	25385.7	31119.1	38152.7	48815.5	58328.2	69231.4	85744.9	103749.0	115261.9	123663.0
-2.5°	17828.7	23650.9	29310.2	36434.2	47179.5	56921.9	68706.4	85503.5	103172.4	115589.8	124264.2
-5°	16968.3	22285.2	27657.6	34706.9	44157.8	53191.5	64249.7	81524.3	100121.5	112668.2	121445.4
-7.5°	16301.5	20941.7	25826.3	32317.4	40962.9	50542.6	62399.2	79066.4	96639.5	109329.1	117281.9
-10°	15574.6	19560.9	24884.3	31426.8	39834.1	48966.7	59499.8	74917.9	92673.6	104882.9	114197.6
-12.5°	15353.2	19562.3	24924.4	30605.0	38338.4	47108.6	57150.9	70283.8	83893.3	96696.1	104864.7
-15°	14996.1	19267.5	24515.2	29858.1	36869.0	45315.7	53698.9	63404.2	74779.3	84030.2	92563.4
-17.5°	14296.1	18400.6	22344.4	27336.8	34160.4	41991.0	48343.1	55975.6	64182.6	71236.7	77673.3
-20°	12620.1	15411.5	19149.3	23857.3	29704.9	36045.5	41829.1	47335.9	52610.0	57984.0	61706.9



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9656.7	12337.2	15471.2	19381.9	24017.5	29543.3	34654.3	38384.0	42579.3	46448.9	49630.5
-25°	7061.9	9025.8	11950.9	15287.8	18313.0	22738.9	26661.2	29180.1	32862.6	35755.4	38509.4
-27.5°	5106.8	7030.2	9415.5	12052.3	14320.5	16698.1	20160.6	22565.9	25462.2	27680.4	29977.4
-30°	3485.7	5603.7	7802.0	9958.8	11684.4	13480.7	15399.4	17772.0	20097.1	21960.7	23620.2
-32.5°	2417.7	3952.4	6100.7	8110.2	9669.8	11039.4	12300.2	14102.6	15842.5	17359.3	18603.2
-35°	1481.1	2569.6	4057.5	5971.1	7619.7	8935.9	10098.7	11246.7	12359.8	13501.1	14462.6
-37.5°	1253.1	1512.9	2440.1	3757.7	5328.2	6793.0	7932.0	8879.9	9720.1	10588.7	11272.5
-40°	1107.4	1262.8	1495.5	1977.5	3185.5	4403.2	5631.3	6651.5	7575.5	8345.7	8944.4
-42.5°	1011.3	1115.3	1228.6	1417.6	1641.5	2238.4	3294.6	4324.2	5326.6	6167.1	6871.7
-45°	981.4	1033.7	1094.9	1196.1	1288.8	1470.4	1666.5	1869.6	2666.5	3512.0	4257.1
-47.5°	913.6	997.2	1052.7	1096.2	1147.9	1230.0	1305.4	1401.3	1584.4	1765.9	1914.2
-50°	823.6	915.0	991.7	1066.2	1118.8	1154.7	1182.2	1231.9	1304.8	1375.7	1433.0
-52.5°	714.6	803.2	892.5	983.0	1057.7	1126.9	1191.8	1236.8	1270.8	1299.8	1314.7
-55°	615.4	689.5	764.2	855.3	945.5	1032.2	1115.4	1186.4	1252.6	1314.4	1349.4
-57.5°	518.6	582.4	649.0	730.4	810.6	889.4	970.1	1052.0	1132.1	1206.8	1250.1
-60°	426.3	482.9	543.2	608.9	678.5	751.3	820.8	890.2	959.0	1020.0	1055.8
-62.5°	335.9	383.6	432.6	484.5	539.3	596.7	654.3	712.7	770.9	819.9	850.1
-65°	244.0	282.9	320.3	358.3	396.7	440.2	485.8	530.3	573.3	606.9	628.9
-67.5°	170.6	195.8	218.7	241.1	268.3	299.2	332.0	364.0	394.8	417.9	433.5
-70°	115.9	129.8	142.5	157.1	174.9	193.3	212.6	231.1	248.7	262.2	272.6
-72.5°	74.0	83.3	92.2	102.2	111.8	122.5	133.6	144.1	154.0	160.9	166.3
-75°	39.9	44.9	52.3	59.2	65.6	73.2	81.1	88.5	95.5	99.1	101.6
-77.5°	24.5	27.8	31.0	34.0	36.8	41.0	45.6	50.2	54.8	57.0	58.5
-80°	16.1	17.6	19.2	20.8	22.4	24.9	27.5	30.1	32.6	33.4	33.9
-82.5°	11.4	11.9	12.5	13.1	13.7	15.3	17.0	18.7	20.3	21.5	22.7
-85°	8.9	9.0	9.1	9.2	9.2	10.1	11.1	12.1	13.1	13.7	14.3
-87.5°	7.4	7.4	7.4	7.5	7.5	7.6	7.6	7.7	7.7	8.2	8.7
-90°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.3	2.9



REPORT NUMBER: P701500 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	10.5	11.5	10.6	9.6	10.6	11.5	10.5	9.6	8.6	7.7	7.2
87.5°	2.4	1.9	1.0	0.0	1.0	1.9	2.4	2.9	3.3	3.8	3.8
85°	2.4	1.9	1.9	1.9	1.9	1.9	2.4	2.9	3.3	3.8	3.8
82.5°	2.4	1.9	1.9	1.9	1.9	1.9	2.4	2.9	3.3	3.8	3.8
80°	2.4	1.9	1.9	1.9	1.9	1.9	2.4	2.9	3.4	3.8	4.2
77.5°	2.4	1.9	2.8	3.8	2.8	1.9	2.4	2.9	3.4	3.9	4.4
75°	4.3	3.8	3.8	3.8	3.8	3.8	4.3	4.7	5.1	5.4	5.4
72.5°	5.7	5.7	5.8	5.8	5.8	5.7	5.7	5.7	5.7	5.9	6.2
70°	7.6	7.6	7.7	7.7	7.7	7.6	7.6	7.5	7.3	7.5	8.1
67.5°	10.6	11.3	11.5	11.5	11.5	11.3	10.6	10.0	9.4	9.4	10.3
65°	15.0	16.8	16.4	15.4	16.4	16.8	15.0	13.3	11.6	11.4	12.2
62.5°	15.9	17.1	17.3	17.3	17.3	17.1	15.9	14.7	13.4	13.0	13.4
60°	14.8	15.3	15.4	15.4	15.4	15.3	14.8	14.3	13.7	13.5	13.5
57.5°	14.7	15.2	15.4	15.4	15.4	15.2	14.7	14.1	13.6	13.8	13.8
55°	14.6	15.2	15.4	15.4	15.4	15.2	14.6	14.0	13.5	13.8	14.3
52.5°	16.9	17.2	17.3	17.3	17.3	17.2	16.9	16.4	15.7	15.0	14.2
50°	21.4	22.4	21.7	19.2	21.7	22.4	21.4	20.3	19.6	19.0	18.0
47.5°	28.5	27.5	26.8	26.9	26.8	27.5	28.5	28.5	27.9	26.4	23.5
45°	46.5	46.1	45.8	46.2	45.8	46.1	46.5	45.9	43.9	41.5	39.0
42.5°	83.8	84.0	82.7	80.8	82.7	84.0	83.8	81.0	78.5	67.9	55.6
40°	195.7	179.4	157.2	144.2	157.2	179.4	195.7	196.3	185.0	150.3	136.4
37.5°	440.9	453.8	455.0	446.2	455.0	453.8	440.9	420.8	398.7	366.6	335.1
35°	837.8	867.7	869.4	853.9	869.4	867.7	837.8	788.8	711.3	609.9	585.4
32.5°	1417.7	1485.1	1510.4	1504.0	1510.4	1485.1	1417.7	1419.6	1295.7	1143.3	1050.7
30°	2911.1	2931.3	2724.1	2344.5	2724.1	2931.3	2911.1	3146.7	2640.1	2428.2	2110.1
27.5°	8459.9	9240.7	9523.9	9399.2	9523.9	9240.7	8459.9	7804.0	6595.1	5708.8	4328.7
25°	15060.6	15575.1	16088.6	16148.1	16088.6	15575.1	15060.6	14635.1	13153.3	10806.2	8746.3
22.5°	22378.8	23109.9	23803.8	23645.2	23803.8	23109.9	22378.8	21151.5	19379.5	16760.4	13991.9
20°	30931.1	31435.4	31947.4	31380.7	31947.4	31435.4	30931.1	29100.3	26217.8	23028.6	19280.9
17.5°	41827.1	44201.2	46308.7	45355.5	46308.7	44201.2	41827.1	38072.4	34487.9	29859.9	25294.1
15°	56610.9	60743.0	63166.6	63038.4	63166.6	60743.0	56610.9	51607.0	46292.5	40344.4	34789.9
12.5°	73647.1	77965.3	80438.5	79926.9	80438.5	77965.3	73647.1	67771.4	60187.1	53042.4	45777.3
10°	89017.5	92408.4	95347.0	96498.1	95347.0	92408.4	89017.5	83686.8	75576.5	66426.7	56331.2
7.5°	102593.4	105119.9	107571.1	108009.2	107571.1	105119.9	102593.4	97395.4	89083.9	78708.6	66914.5
5°	113769.1	117348.5	118734.1	119283.6	118734.1	117348.5	113769.1	108540.5	100257.2	88879.4	75453.5
2.5°	122788.7	126063.0	127796.1	127284.5	127796.1	126063.0	122788.7	117547.9	108808.0	97411.4	81770.7
0°	127970.2	130561.9	131977.4	131638.9	131977.4	130561.9	127970.2	123663.0	115261.9	103749.0	85744.9
-2.5°	128480.9	130223.6	131330.8	130896.5	131330.8	130223.6	128480.9	124264.2	115589.8	103172.4	85503.5
-5°	124947.4	126365.6	126947.4	127196.1	126947.4	126365.6	124947.4	121445.4	112668.2	100121.5	81524.3
-7.5°	120078.9	121984.0	121694.2	122195.5	121694.2	121984.0	120078.9	117281.9	109329.1	96639.5	79066.4
-10°	117179.3	118937.5	118682.8	118818.1	118682.8	118937.5	117179.3	114197.6	104882.9	92673.6	74917.9
-12.5°	110143.7	112696.3	113088.2	113528.1	113088.2	112696.3	110143.7	104864.7	96696.1	83893.3	70283.8
-15°	98164.4	100969.3	102665.3	103047.0	102665.3	100969.3	98164.4	92563.4	84030.2	74779.3	63404.2
-17.5°	83024.6	86903.7	89630.7	90264.7	89630.7	86903.7	83024.6	77673.3	71236.7	64182.6	55975.6
-20°	66253.3	69030.1	70443.1	71204.7	70443.1	69030.1	66253.3	61706.9	57984.0	52610.0	47335.9



REPORT NUMBER: P701500 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-5S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	52147.3	53981.1	54768.5	54897.0	54768.5	53981.1	52147.3	49630.5	46448.9	42579.3	38384.0
-25°	40739.6	41989.5	42525.2	43316.7	42525.2	41989.5	40739.6	38509.4	35755.4	32862.6	29180.1
-27.5°	31615.3	32714.4	33204.4	33932.9	33204.4	32714.4	31615.3	29977.4	27680.4	25462.2	22565.9
-30°	24739.6	25401.7	25567.0	25603.1	25567.0	25401.7	24739.6	23620.2	21960.7	20097.1	17772.0
-32.5°	19569.0	20314.7	20759.9	20958.3	20759.9	20314.7	19569.0	18603.2	17359.3	15842.5	14102.6
-35°	15182.8	15674.2	15966.9	16296.2	15966.9	15674.2	15182.8	14462.6	13501.1	12359.8	11246.7
-37.5°	11804.1	12168.6	12370.2	12438.0	12370.2	12168.6	11804.1	11272.5	10588.7	9720.1	8879.9
-40°	9422.0	9783.9	10001.1	10033.9	10001.1	9783.9	9422.0	8944.4	8345.7	7575.5	6651.5
-42.5°	7407.0	7857.8	8149.5	8216.4	8149.5	7857.8	7407.0	6871.7	6167.1	5326.6	4324.2
-45°	4801.9	5221.6	5443.7	5429.5	5443.7	5221.6	4801.9	4257.1	3512.0	2666.5	1869.6
-47.5°	2009.1	2076.7	2105.8	2096.4	2105.8	2076.7	2009.1	1914.2	1765.9	1584.4	1401.3
-50°	1478.2	1516.6	1537.7	1542.5	1537.7	1516.6	1478.2	1433.0	1375.7	1304.8	1231.9
-52.5°	1327.5	1341.6	1346.5	1346.3	1346.5	1341.6	1327.5	1314.7	1299.8	1270.8	1236.8
-55°	1382.0	1412.9	1425.1	1425.2	1425.1	1412.9	1382.0	1349.4	1314.4	1252.6	1186.4
-57.5°	1289.5	1324.3	1340.3	1344.4	1340.3	1324.3	1289.5	1250.1	1206.8	1132.1	1052.0
-60°	1087.9	1115.9	1128.1	1130.9	1128.1	1115.9	1087.9	1055.8	1020.0	959.0	890.2
-62.5°	875.9	897.1	903.6	902.0	903.6	897.1	875.9	850.1	819.9	770.9	712.7
-65°	647.3	661.9	663.1	657.8	663.1	661.9	647.3	628.9	606.9	573.3	530.3
-67.5°	446.0	455.2	455.7	452.0	455.7	455.2	446.0	433.5	417.9	394.8	364.0
-70°	281.3	288.3	288.8	286.6	288.8	288.3	281.3	272.6	262.2	248.7	231.1
-72.5°	171.0	174.8	178.2	180.8	178.2	174.8	171.0	166.3	160.9	154.0	144.1
-75°	103.4	104.8	104.6	103.9	104.6	104.8	103.4	101.6	99.1	95.5	88.5
-77.5°	59.8	61.0	63.3	65.4	63.3	61.0	59.8	58.5	57.0	54.8	50.2
-80°	34.2	34.5	35.5	36.5	35.5	34.5	34.2	33.9	33.4	32.6	30.1
-82.5°	23.8	24.9	25.0	25.0	25.0	24.9	23.8	22.7	21.5	20.3	18.7
-85°	14.8	15.4	16.3	17.3	16.3	15.4	14.8	14.3	13.7	13.1	12.1
-87.5°	9.1	9.6	9.6	9.6	9.6	9.6	9.1	8.7	8.2	7.7	7.7
-90°	2.4	1.9	0.9	0.0	0.9	1.9	2.4	2.9	3.3	3.8	3.8



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	6.8	6.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.3	4.8	5.3	5.8
85°	3.8	3.8	3.8	4.2	4.5	4.8	5.1	5.2	5.3	5.5	5.8
82.5°	3.8	3.8	3.8	4.3	4.8	5.3	5.8	5.8	5.8	5.8	5.8
80°	4.6	4.9	5.1	5.1	5.3	5.5	5.8	5.9	5.9	5.8	5.9
77.5°	4.9	5.4	5.8	5.8	5.8	5.8	5.9	6.4	6.7	6.8	6.9
75°	5.5	5.6	5.9	6.0	6.0	5.9	6.0	6.5	6.9	7.4	7.7
72.5°	6.4	6.5	6.7	7.0	7.1	7.3	7.6	7.9	8.0	7.9	7.7
70°	8.5	8.8	9.2	9.6	9.9	10.1	10.3	10.5	10.6	10.6	9.8
67.5°	11.0	11.7	13.1	14.5	15.2	15.4	15.1	14.1	13.6	13.6	12.2
65°	13.0	13.7	14.8	16.1	17.6	19.4	22.2	22.5	21.3	18.8	14.7
62.5°	14.1	15.2	15.8	16.5	17.6	20.6	26.3	29.5	30.5	27.1	20.6
60°	13.5	13.6	14.5	15.5	16.6	22.2	30.6	36.7	40.3	34.2	25.8
57.5°	13.7	13.7	14.2	14.8	15.3	22.8	32.8	43.6	50.2	39.5	29.6
55°	15.1	15.1	14.9	15.0	15.8	22.9	32.1	42.9	49.2	42.8	31.6
52.5°	13.6	14.8	15.5	15.5	16.9	22.1	29.2	39.2	42.3	37.3	30.7
50°	16.9	17.0	16.9	16.8	18.1	20.8	26.0	33.9	34.1	31.9	26.6
47.5°	22.4	21.9	20.9	20.3	20.7	20.8	23.9	27.6	29.7	27.2	23.3
45°	36.9	32.9	27.5	27.6	26.7	25.6	24.1	28.3	29.5	27.8	21.6
42.5°	61.5	56.8	47.7	44.6	39.6	36.3	32.6	34.6	35.4	32.4	29.3
40°	135.0	103.0	96.2	80.3	67.1	55.3	49.9	45.0	45.0	42.3	41.0
37.5°	296.1	255.4	222.5	167.3	132.4	91.2	75.9	64.0	56.5	61.0	58.5
35°	527.7	479.3	441.8	367.5	258.9	196.9	118.2	92.1	85.1	89.4	82.0
32.5°	810.5	820.9	746.4	649.0	562.2	393.9	252.7	138.4	152.0	144.2	118.4
30°	1799.9	1649.5	1238.7	1256.2	1256.2	804.4	467.1	365.0	271.8	224.6	170.6
27.5°	4181.9	3693.3	2835.5	2525.6	2511.1	1795.5	1079.8	744.9	476.9	352.3	259.9
25°	7759.8	6932.5	5535.0	4614.3	4154.9	3167.9	1989.7	1408.5	907.7	509.9	354.9
22.5°	11815.1	10310.6	8512.9	6748.3	5702.2	4218.9	2963.3	2221.8	1391.0	729.9	469.9
20°	16289.8	13952.7	11699.1	9463.6	7266.3	5171.3	3696.3	3030.6	2032.4	1031.0	580.1
17.5°	21706.8	18016.1	15608.3	12574.2	9585.6	6750.2	5190.6	4080.5	2836.2	1283.7	680.5
15°	28494.5	24581.2	20896.8	16629.3	12752.6	9915.8	7401.9	5470.5	3787.9	1766.5	906.4
12.5°	39132.5	33164.3	27382.0	21788.9	17330.6	13571.2	10239.5	7411.1	4899.7	2627.7	1274.8
10°	48802.2	41510.1	34207.9	27807.4	22321.6	17468.0	12889.0	8947.7	5867.3	3498.0	1677.8
7.5°	56677.5	48440.2	40673.8	32773.4	26068.4	20111.3	14718.2	10231.7	6686.1	4283.6	2097.2
5°	62993.6	53260.8	44383.8	35198.5	28420.3	22472.1	16361.0	11388.2	7360.6	4972.3	2512.6
2.5°	66921.4	56293.3	47057.3	36972.5	30143.9	24367.5	17791.1	12386.2	7931.3	5512.7	2874.7
0°	69231.4	58328.2	48815.5	38152.7	31119.1	25385.7	18967.7	13172.7	8393.3	5923.8	3190.8
-2.5°	68706.4	56921.9	47179.5	36434.2	29310.2	23650.9	17828.7	12877.7	8829.9	6013.3	3074.1
-5°	64249.7	53191.5	44157.8	34706.9	27657.6	22285.2	16968.3	12639.9	9063.7	5963.9	2895.8
-7.5°	62399.2	50542.6	40962.9	32317.4	25826.3	20941.7	16301.5	12490.7	9063.7	5881.7	2935.1
-10°	59499.8	48966.7	39834.1	31426.8	24884.3	19560.9	15574.6	12187.4	8875.9	5631.1	2865.7
-12.5°	57150.9	47108.6	38338.4	30605.0	24924.4	19562.3	15353.2	11808.9	8493.3	5208.5	2669.5
-15°	53698.9	45315.7	36869.0	29858.1	24515.2	19267.5	14996.1	11352.3	7669.3	4515.9	2333.2
-17.5°	48343.1	41991.0	34160.4	27336.8	22344.4	18400.6	14296.1	10304.7	6517.9	3619.6	1801.3
-20°	41829.1	36045.5	29704.9	23857.3	19149.3	15411.5	12620.1	8657.4	5227.2	2855.8	1598.0



REPORT NUMBER: P701500 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-5S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	34654.3	29543.3	24017.5	19381.9	15471.2	12337.2	9656.7	6527.8	3776.4	2019.1	1383.3
-25°	26661.2	22738.9	18313.0	15287.8	11950.9	9025.8	7061.9	4765.7	2772.3	1490.6	1172.3
-27.5°	20160.6	16698.1	14320.5	12052.3	9415.5	7030.2	5106.8	3219.5	1788.4	1274.4	1036.6
-30°	15399.4	13480.7	11684.4	9958.8	7802.0	5603.7	3485.7	2162.8	1370.1	1092.2	940.4
-32.5°	12300.2	11039.4	9669.8	8110.2	6100.7	3952.4	2417.7	1404.5	1141.6	996.5	900.9
-35°	10098.7	8935.9	7619.7	5971.1	4057.5	2569.6	1481.1	1198.5	1022.5	922.6	876.2
-37.5°	7932.0	6793.0	5328.2	3757.7	2440.1	1512.9	1253.1	1070.1	944.0	896.1	828.1
-40°	5631.3	4403.2	3185.5	1977.5	1495.5	1262.8	1107.4	980.7	924.6	853.1	767.0
-42.5°	3294.6	2238.4	1641.5	1417.6	1228.6	1115.3	1011.3	956.2	885.5	792.4	685.6
-45°	1666.5	1470.4	1288.8	1196.1	1094.9	1033.7	981.4	904.9	816.9	711.4	596.7
-47.5°	1305.4	1230.0	1147.9	1096.2	1052.7	997.2	913.6	827.3	726.9	622.7	527.4
-50°	1182.2	1154.7	1118.8	1066.2	991.7	915.0	823.6	727.4	635.5	546.6	458.8
-52.5°	1191.8	1126.9	1057.7	983.0	892.5	803.2	714.6	634.3	552.9	471.7	393.8
-55°	1115.4	1032.2	945.5	855.3	764.2	689.5	615.4	543.2	470.1	396.1	335.0
-57.5°	970.1	889.4	810.6	730.4	649.0	582.4	518.6	452.3	391.4	334.2	278.2
-60°	820.8	751.3	678.5	608.9	543.2	482.9	426.3	372.1	320.8	270.6	220.7
-62.5°	654.3	596.7	539.3	484.5	432.6	383.6	335.9	290.7	247.8	205.9	168.6
-65°	485.8	440.2	396.7	358.3	320.3	282.9	244.0	211.1	181.3	151.4	121.1
-67.5°	332.0	299.2	268.3	241.1	218.7	195.8	170.6	145.1	125.6	108.8	90.6
-70°	212.6	193.3	174.9	157.1	142.5	129.8	115.9	101.4	87.3	74.6	61.6
-72.5°	133.6	122.5	111.8	102.2	92.2	83.3	74.0	64.1	54.2	44.2	35.8
-75°	81.1	73.2	65.6	59.2	52.3	44.9	39.9	36.0	31.8	27.5	23.1
-77.5°	45.6	41.0	36.8	34.0	31.0	27.8	24.5	21.5	19.5	17.8	16.4
-80°	27.5	24.9	22.4	20.8	19.2	17.6	16.1	14.9	13.9	13.3	12.8
-82.5°	17.0	15.3	13.7	13.1	12.5	11.9	11.4	11.1	10.8	10.4	10.1
-85°	11.1	10.1	9.2	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5
-87.5°	7.6	7.6	7.5	7.5	7.4	7.4	7.4	7.3	7.3	7.2	7.1
-90°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.3	4.8	5.3	5.8





REPORT NUMBER: P701500 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-5S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	6.3	6.8	7.2	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
87.5°	6.1	6.4	6.7	6.9	7.0	7.2	7.4	7.7	7.7	7.7	7.7
85°	6.3	6.8	7.2	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
82.5°	6.3	6.8	7.3	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
80°	6.4	6.8	7.3	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
77.5°	6.9	7.0	7.4	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
75°	7.7	7.6	7.6	7.8	7.8	7.7	7.7	7.8	7.9	7.7	7.7
72.5°	7.7	7.7	7.7	7.9	8.2	8.2	8.0	7.9	8.1	8.1	7.8
70°	8.7	7.9	7.7	8.0	8.5	8.9	8.8	8.5	8.4	8.5	8.3
67.5°	10.6	9.4	8.5	8.2	8.6	9.0	9.5	9.2	8.9	8.9	8.8
65°	13.0	11.2	9.5	9.1	8.9	9.1	9.6	9.6	9.3	9.2	9.3
62.5°	16.1	13.5	11.6	10.1	9.4	9.3	9.6	9.6	9.6	9.4	9.5
60°	19.4	15.2	13.4	11.7	10.2	9.5	9.6	9.6	9.6	9.6	9.6
57.5°	21.6	16.0	14.3	13.0	11.4	10.1	9.6	9.6	9.6	9.6	9.6
55°	22.5	16.5	15.2	13.8	12.4	10.9	9.9	9.6	9.6	9.6	9.6
52.5°	21.9	17.5	16.0	14.6	13.1	11.7	10.6	9.6	9.6	9.6	9.6
50°	19.4	18.6	17.0	15.4	13.8	12.5	11.3	10.2	9.6	9.6	9.6
47.5°	19.7	19.8	18.4	16.2	14.5	13.3	12.0	10.8	9.6	9.6	9.6
45°	22.4	21.2	20.0	17.7	15.3	14.0	12.7	11.4	10.1	9.7	9.6
42.5°	27.1	25.3	22.1	19.2	17.0	14.7	13.4	12.0	10.7	9.8	9.7
40°	37.6	31.8	25.9	23.8	19.3	15.5	14.0	12.6	11.2	10.1	9.8
37.5°	50.4	42.2	33.4	33.3	23.8	17.9	14.6	13.2	11.8	10.6	10.0
35°	69.5	56.0	49.3	47.5	36.0	20.6	15.2	13.7	12.5	11.2	10.2
32.5°	91.6	81.9	75.9	63.9	51.9	23.5	16.9	14.7	13.3	11.7	10.5
30°	134.4	128.7	110.2	82.0	70.0	38.1	20.0	15.8	14.1	12.2	10.8
27.5°	200.8	186.2	153.0	112.4	87.0	55.9	23.8	17.0	14.9	12.8	11.2
25°	271.6	247.7	209.0	151.1	104.9	74.6	27.8	18.5	15.9	13.4	11.7
22.5°	356.2	305.9	272.3	194.2	127.6	93.7	37.6	21.7	17.0	14.1	12.0
20°	434.3	361.4	340.1	236.8	160.0	111.7	52.8	25.1	18.1	14.8	12.4
17.5°	510.0	435.3	392.2	287.1	195.4	132.1	67.8	28.4	19.3	15.5	12.8
15°	652.5	538.2	453.2	338.0	228.8	154.1	82.4	31.8	20.5	16.1	13.0
12.5°	816.1	647.3	523.7	388.8	260.1	177.3	96.2	35.0	21.7	16.7	13.2
10°	985.4	760.3	601.0	438.3	289.1	201.0	109.1	39.4	23.5	17.3	13.3
7.5°	1156.3	874.7	681.9	485.6	321.6	237.0	138.9	46.4	25.4	17.8	13.4
5°	1313.0	982.3	767.1	559.9	383.6	285.6	172.0	53.7	27.3	18.4	13.4
2.5°	1409.9	1076.0	848.7	633.7	444.0	332.6	204.4	60.7	29.1	18.8	13.5
0°	1492.5	1161.7	923.2	702.0	502.0	377.0	234.6	67.3	30.8	19.2	13.5
-2.5°	1493.8	1164.2	948.3	767.0	566.2	424.5	271.6	87.0	42.2	24.4	15.3
-5°	1481.8	1160.7	970.6	826.1	625.8	467.8	303.5	105.5	53.0	29.3	17.0
-7.5°	1510.7	1172.6	991.1	873.1	679.5	506.3	329.2	122.3	63.0	33.8	18.6
-10°	1530.4	1187.8	1004.5	870.6	679.9	517.3	344.1	136.9	71.8	37.8	20.1
-12.5°	1524.0	1190.9	1012.9	859.2	665.8	503.7	330.8	147.1	79.2	41.0	21.4
-15°	1488.5	1180.5	1015.9	838.2	645.9	487.4	315.1	154.0	85.5	44.1	22.4
-17.5°	1401.9	1155.6	1013.4	806.9	619.8	468.7	297.5	158.6	90.2	47.2	24.0
-20°	1270.4	1098.3	999.5	764.7	587.4	447.9	278.9	160.8	93.0	49.2	25.7



REPORT NUMBER: P701500 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-5S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1147.4	1029.2	918.7	723.1	553.7	425.5	259.7	160.2	93.9	50.0	26.9
-25°	1023.8	964.7	835.8	668.2	524.3	397.2	248.8	157.0	92.6	49.4	27.6
-27.5°	940.5	897.2	760.2	611.7	488.1	370.2	243.8	155.2	90.3	47.5	27.6
-30°	879.5	816.1	694.0	557.6	448.2	333.6	235.3	150.6	88.0	46.4	27.1
-32.5°	842.5	747.2	628.8	511.0	405.3	296.4	216.6	143.0	83.8	45.8	26.6
-35°	790.8	683.2	564.4	460.7	361.7	268.9	193.6	132.4	77.5	44.2	25.9
-37.5°	734.8	616.6	506.5	409.8	317.9	239.1	172.7	116.9	69.1	41.6	24.7
-40°	658.6	549.8	449.1	362.1	280.5	207.0	150.5	102.3	63.6	38.1	23.0
-42.5°	579.3	485.7	397.6	315.3	243.3	181.3	128.0	87.0	57.1	34.9	20.7
-45°	508.7	424.0	347.0	274.5	205.6	154.5	110.4	72.2	49.9	31.7	18.7
-47.5°	439.3	367.9	299.4	232.8	175.7	128.8	92.1	63.5	42.2	27.8	17.6
-50°	378.3	314.8	254.3	197.3	145.7	108.2	75.4	54.2	36.6	23.0	16.2
-52.5°	325.2	266.6	212.5	162.2	121.7	86.9	64.4	44.7	30.6	20.1	14.7
-55°	275.3	220.2	171.7	132.3	98.2	72.4	52.7	37.3	24.2	18.0	13.2
-57.5°	225.0	173.9	137.6	105.0	79.6	59.3	42.6	29.4	20.7	15.8	12.9
-60°	174.8	138.3	106.3	83.8	64.1	46.9	33.1	22.8	17.9	13.9	12.5
-62.5°	133.9	104.6	84.4	65.8	49.4	35.4	24.2	19.5	15.1	13.3	12.0
-65°	100.6	81.4	63.9	48.9	35.3	25.2	20.3	16.1	14.0	12.8	11.5
-67.5°	73.2	58.5	44.6	31.9	25.2	20.4	16.2	14.5	13.4	12.2	11.1
-70°	48.6	36.3	28.7	23.7	19.3	15.9	14.8	13.9	12.8	11.7	10.6
-72.5°	30.2	25.2	20.6	17.0	15.7	14.7	13.9	13.1	12.1	11.1	10.1
-75°	19.0	17.3	16.1	15.0	14.1	13.4	13.0	12.4	11.4	10.5	9.9
-77.5°	15.4	14.4	13.6	13.2	12.8	12.5	12.1	11.6	10.8	10.2	9.8
-80°	12.5	12.2	12.1	12.1	11.8	11.5	11.2	10.9	10.3	9.9	9.7
-82.5°	10.2	10.5	10.7	11.0	10.8	10.5	10.3	10.1	9.8	9.6	9.4
-85°	8.9	9.2	9.6	9.9	9.7	9.6	9.5	9.3	9.2	9.0	8.8
-87.5°	7.6	8.0	8.4	8.8	8.7	8.6	8.6	8.5	8.4	8.3	8.3
-90°	5.8	5.8	5.8	5.8	6.3	6.8	7.2	7.7	7.7	7.7	7.7



REPORT NUMBER: P701500 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-5S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
87.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
85°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
82.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
80°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
77.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
75°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
72.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
70°	7.8	7.7	7.7	7.7	7.7	7.7	7.7
67.5°	8.2	7.7	7.7	7.7	7.7	7.7	7.7
65°	8.7	7.9	7.7	7.7	7.7	7.7	7.7
62.5°	9.1	8.3	7.7	7.7	7.7	7.7	7.7
60°	9.6	8.6	7.7	7.7	7.7	7.7	7.7
57.5°	9.6	9.0	8.0	7.7	7.7	7.7	7.7
55°	9.6	9.3	8.2	7.7	7.7	7.7	7.7
52.5°	9.6	9.6	8.5	7.7	7.7	7.7	7.7
50°	9.6	9.6	8.8	7.7	7.7	7.7	7.7
47.5°	9.6	9.6	9.0	7.7	7.7	7.7	7.7
45°	9.6	9.6	9.3	7.9	7.7	7.7	7.7
42.5°	9.6	9.6	9.5	8.1	7.7	7.7	7.7
40°	9.6	9.6	9.6	8.2	7.7	7.7	7.7
37.5°	9.6	9.6	9.6	8.4	7.7	7.7	7.7
35°	9.6	9.6	9.6	8.4	7.7	7.7	7.7
32.5°	9.7	9.6	9.6	8.5	7.7	7.7	7.7
30°	9.9	9.6	9.6	8.6	7.7	7.7	7.7
27.5°	10.1	9.6	9.5	8.6	7.7	7.7	7.7
25°	10.3	9.6	9.5	8.6	7.7	7.7	7.7
22.5°	10.5	9.6	9.5	8.5	7.7	7.7	7.7
20°	10.8	9.6	9.5	8.5	7.7	7.7	7.7
17.5°	11.0	9.6	9.5	8.4	7.7	7.7	7.7
15°	11.1	9.6	9.5	8.4	7.7	7.7	7.7
12.5°	11.2	9.6	9.5	8.3	7.7	7.7	7.7
10°	11.3	9.6	9.5	8.2	7.7	7.7	7.7
7.5°	11.4	9.6	9.6	8.1	7.7	7.7	7.7
5°	11.5	9.6	9.6	7.9	7.7	7.7	7.7
2.5°	11.5	9.6	9.6	7.8	7.7	7.7	7.7
0°	11.5	9.6	9.6	7.7	7.7	7.7	7.7
-2.5°	12.3	10.0	9.6	7.8	7.7	7.7	7.7
-5°	13.0	10.4	9.6	7.9	7.7	7.7	7.7
-7.5°	13.7	10.8	9.6	8.1	7.7	7.7	7.7
-10°	14.3	11.2	9.5	8.2	7.7	7.7	7.7
-12.5°	14.9	11.5	9.5	8.3	7.7	7.7	7.7
-15°	15.4	11.7	9.5	8.4	7.7	7.7	7.7
-17.5°	15.8	11.9	9.5	8.4	7.7	7.7	7.7
-20°	16.3	11.9	9.5	8.5	7.7	7.7	7.7



REPORT NUMBER: P701500 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-5S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	16.9	11.9	9.5	8.5	7.7	7.7	7.7
-25°	17.2	11.9	9.5	8.6	7.7	7.7	7.7
-27.5°	17.2	11.7	9.5	8.6	7.7	7.7	7.7
-30°	16.9	11.5	9.6	8.6	7.7	7.7	7.7
-32.5°	16.3	11.2	9.7	8.5	7.7	7.7	7.7
-35°	15.8	10.9	9.8	8.4	7.7	7.7	7.7
-37.5°	15.3	10.6	9.9	8.4	7.7	7.7	7.7
-40°	14.7	10.7	9.9	8.2	7.7	7.7	7.7
-42.5°	14.0	10.7	9.8	8.1	7.7	7.7	7.7
-45°	13.2	10.8	9.7	8.0	7.7	7.7	7.7
-47.5°	12.2	10.7	9.5	7.8	7.7	7.7	7.7
-50°	12.0	10.7	9.3	7.8	7.7	7.7	7.7
-52.5°	11.8	10.6	9.1	7.9	7.7	7.7	7.7
-55°	11.6	10.3	8.9	7.9	7.7	7.7	7.7
-57.5°	11.4	10.0	8.6	8.0	7.7	7.7	7.7
-60°	11.1	9.7	8.4	8.0	7.7	7.7	7.7
-62.5°	10.7	9.4	8.4	8.0	7.7	7.7	7.7
-65°	10.3	9.1	8.5	8.0	7.7	7.7	7.7
-67.5°	9.9	8.9	8.5	8.1	7.7	7.7	7.7
-70°	9.5	9.0	8.5	8.1	7.7	7.7	7.7
-72.5°	9.5	9.0	8.6	8.1	7.7	7.7	7.7
-75°	9.5	9.0	8.6	8.0	7.7	7.7	7.7
-77.5°	9.5	9.1	8.5	8.0	7.7	7.7	7.7
-80°	9.6	8.9	8.3	7.9	7.7	7.7	7.7
-82.5°	9.2	8.6	8.2	7.9	7.7	7.7	7.7
-85°	8.7	8.3	8.0	7.8	7.7	7.7	7.7
-87.5°	8.2	8.0	7.9	7.8	7.7	7.7	7.7
-90°	7.7	7.7	7.7	7.7	7.7	7.7	7.7

(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

