

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: P701613 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-70-3S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701613 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-40-70-3S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

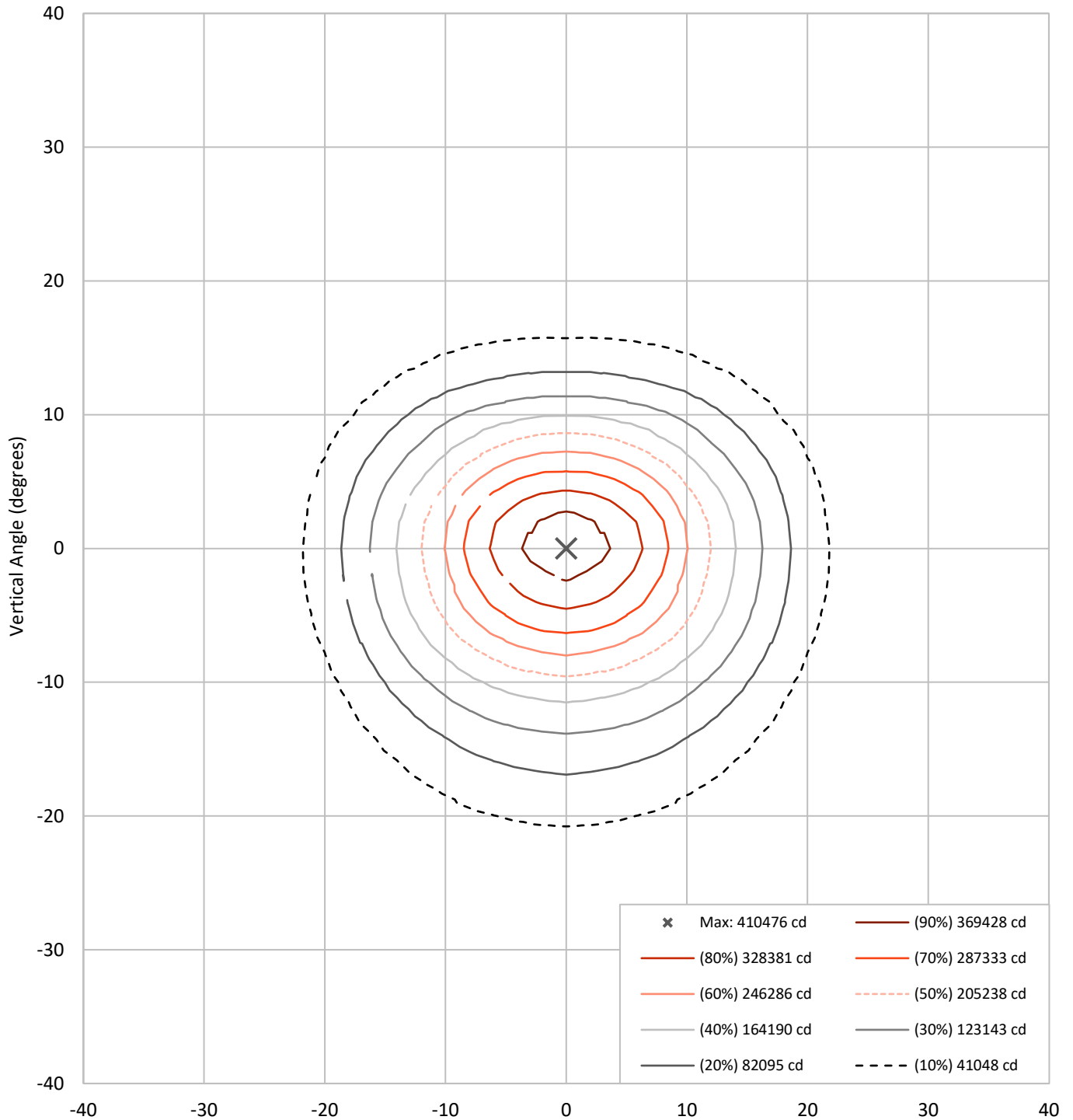
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	68621.4 lumens	Max Intensity:	410476 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	98.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	29354.6 lumens	Field Lumens:	58643.8 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%

Input Watts (W): 697.5
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





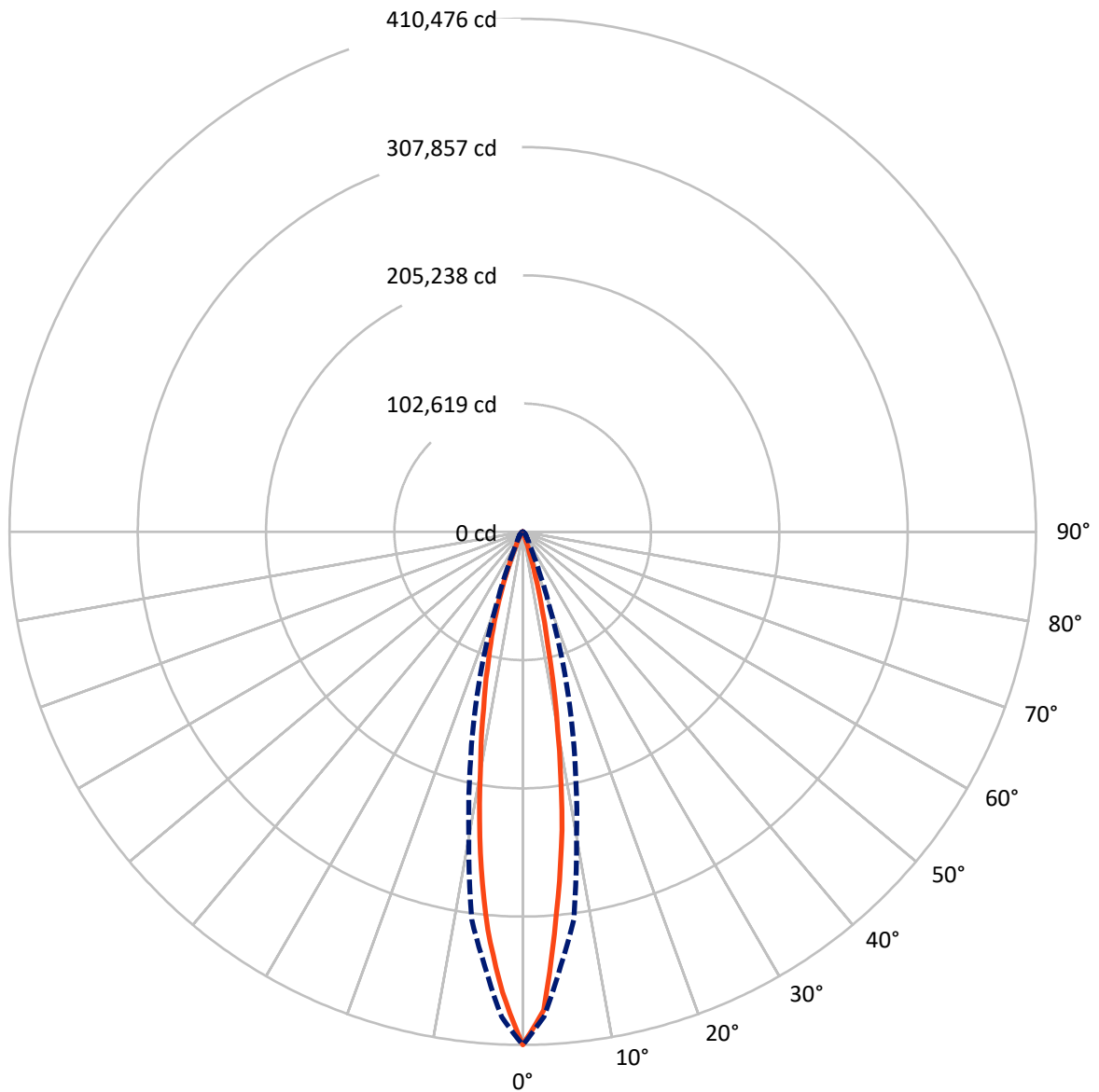
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Lumen Table

90	0.2		0.5		0.8		0.9		1.0		0.9		0.8		0.5		0.2	
80	0.2		0.1	0.2	0.8	0.9	0.6	0.3	0.3	0.3	0.3	0.6	0.9	0.8	0.2	0.1	0.2	
70	0.2		0.1	0.5	0.7	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.7	0.5	0.1	0.2	
60	0.2		0.2	0.5	0.4	0.4	0.5	0.6	0.5	0.5	0.6	0.5	0.4	0.4	0.5	0.2	0.2	
50	0.2		0.3	0.7	1.0	1.9	2.7	3.4	4.4	4.4	3.4	2.7	1.9	1.0	0.7	0.3	0.2	
40	0.3		0.5	1.9	4.8	9.0	13.8	31.2	62.7	62.7	31.2	13.8	9.0	4.8	1.9	0.5	0.3	
30	0.3		1.3	7.1	22.5	49.4	132.5	735.1	1682.0	1682.0	735.1	132.5	49.4	22.5	7.1	1.3	0.3	
20	0.4		2.5	14.8	53.3	124.4	547.3	3432.8	8012.9	8012.9	3432.8	547.3	124.4	53.3	14.8	2.5	0.4	
10	0.4		3.3	17.7	62.5	139.6	583.3	3661.3	8253.1	8253.1	3661.3	583.3	139.6	62.5	17.7	3.3	0.4	
0	0.7		3.5	15.2	47.4	99.1	251.5	1329.3	2991.7	2991.7	1329.3	251.5	99.1	47.4	15.2	3.5	0.7	
-10	0.7		3.4	12.3	29.7	70.0	118.6	257.4	517.6	517.6	257.4	118.6	70.0	29.7	12.3	3.4	0.7	
-20	0.6		3.1	9.8	20.7	45.3	81.8	111.2	129.7	129.7	111.2	81.8	45.3	20.7	9.8	3.1	0.6	
-30	0.6		2.2	7.3	15.8	28.2	45.9	70.3	88.4	88.4	70.3	45.9	28.2	15.8	7.3	2.2	0.6	
-40	0.3		1.0	4.3	10.0	17.9	26.3	33.3	37.4	37.4	33.3	26.3	17.9	10.0	4.3	1.0	0.3	
-50	0.3		0.4	1.5	4.3	8.1	12.4	16.6	19.2	19.2	16.6	12.4	8.1	4.3	1.5	0.4	0.3	
-60	0.3		0.4	1.5	4.3	8.1	12.4	16.6	19.2	19.2	16.6	12.4	8.1	4.3	1.5	0.4	0.3	
-70	0.3		0.4	1.5	4.3	8.1	12.4	16.6	19.2	19.2	16.6	12.4	8.1	4.3	1.5	0.4	0.3	
-80	0.2		1.0		3.3		8.9		13.7		8.9		3.3		1.0		0.2	
-90	0.2		1.0		3.3		8.9		13.7		8.9		3.3		1.0		0.2	

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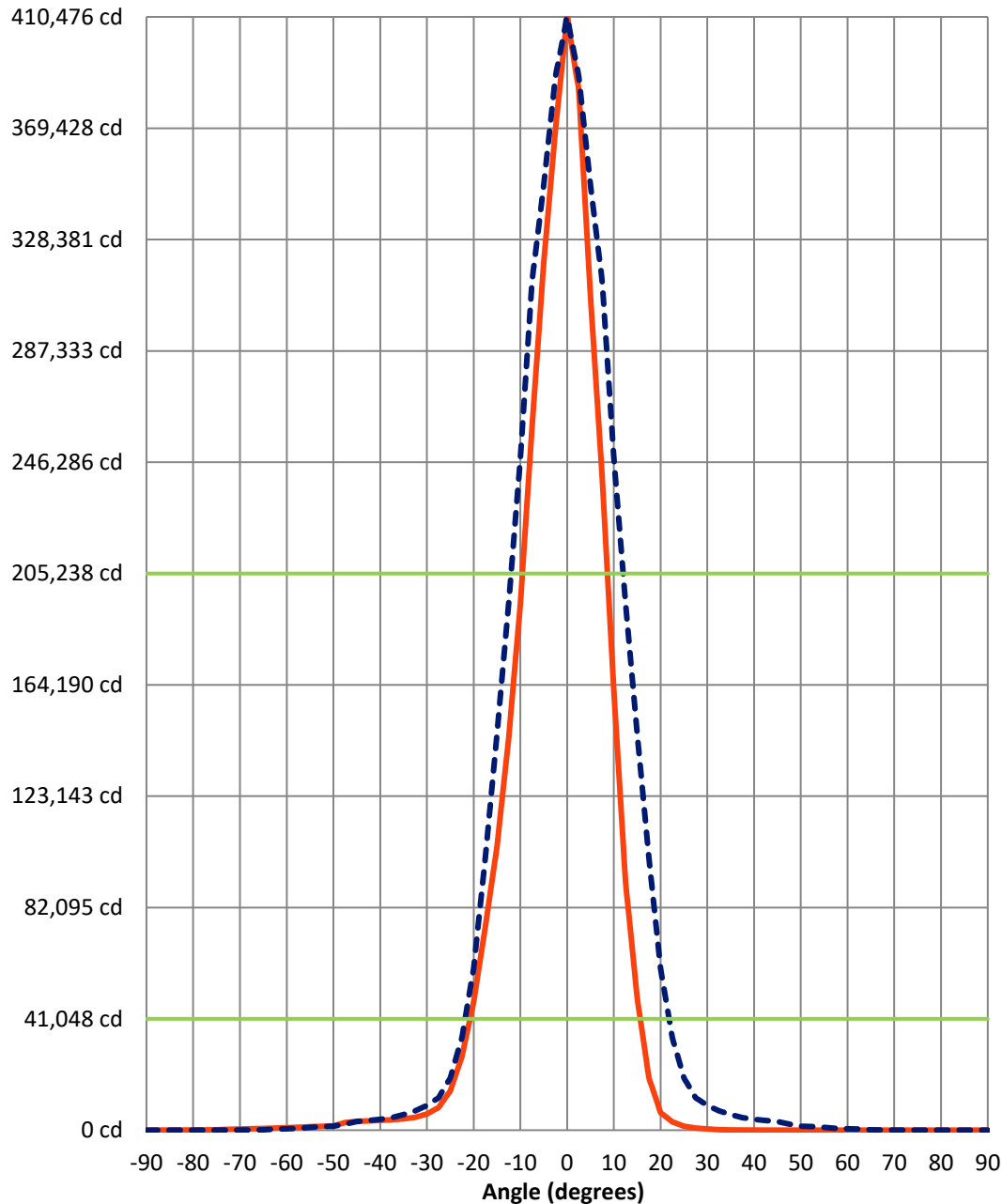
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24°
 V Angle: 18.2°
 Lumens: 29354.6
 Efficiency: 42.8%

Field:
 H Angle: 43.7°
 V Angle: 36.4°
 Lumens: 58643.8
 Efficiency: 85.5%

Spill:
 Lumens: 9977.6
 Efficiency: 14.5%

— 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°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
87.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
82.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
80°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
77.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
75°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
72.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
70°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	9.4
67.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.8	8.7	8.7	9.5	10.2
65°	8.7	8.7	8.7	8.7	8.7	8.8	8.8	8.7	9.4	10.2	10.6
62.5°	8.7	8.7	8.7	8.7	8.7	8.9	9.0	9.1	10.0	10.7	10.0
60°	8.7	8.7	8.7	8.7	8.7	9.1	9.1	9.7	10.7	10.4	9.5
57.5°	8.7	8.7	8.7	8.7	8.9	9.3	9.5	10.2	10.7	10.1	9.4
55°	8.7	8.7	8.8	8.7	9.1	9.5	9.9	10.7	10.6	10.0	9.6
52.5°	8.7	8.7	8.8	8.7	9.3	9.8	10.3	10.8	10.6	10.1	9.7
50°	8.7	8.7	8.8	8.7	9.6	10.0	10.6	10.9	10.7	10.3	11.7
47.5°	8.7	8.7	8.9	8.7	9.8	10.2	10.8	11.1	10.8	10.4	13.5
45°	8.7	8.7	9.0	8.9	10.1	10.4	11.0	11.3	11.0	11.5	14.9
42.5°	8.7	8.7	9.0	9.1	10.3	10.6	11.2	11.5	11.3	12.2	16.3
40°	8.7	8.7	9.1	9.4	10.5	10.7	11.5	11.8	11.8	12.7	17.7
37.5°	8.7	8.7	9.2	9.6	10.6	10.8	11.7	12.2	12.7	14.0	19.0
35°	8.7	8.7	9.3	9.8	10.7	10.9	12.0	12.6	13.7	16.3	19.8
32.5°	8.7	8.7	9.4	10.0	10.7	11.2	12.4	13.0	14.7	18.6	21.6
30°	8.7	8.7	9.5	10.2	10.8	11.4	12.7	13.6	15.7	21.0	24.0
27.5°	8.7	8.7	9.6	10.3	10.8	11.7	13.1	14.4	17.1	23.5	26.9
25°	8.7	8.7	9.7	10.4	10.8	11.9	13.5	15.3	19.1	25.9	30.2
22.5°	8.7	8.7	9.8	10.5	10.8	12.2	13.9	16.1	21.1	28.4	36.4
20°	8.7	8.7	9.9	10.6	10.8	12.3	14.3	17.0	23.1	31.2	43.2
17.5°	8.7	8.7	10.0	10.7	10.8	12.5	14.6	17.8	25.0	34.1	50.6
15°	8.7	8.7	10.1	10.7	10.8	12.6	14.7	18.8	26.9	37.1	58.2
12.5°	8.7	8.7	10.3	10.8	10.8	12.7	14.9	19.9	29.0	40.2	66.1
10°	8.7	8.7	10.4	10.8	10.8	12.8	15.0	21.2	31.3	45.3	75.8
7.5°	8.7	8.7	10.5	10.8	10.8	12.9	15.1	22.5	33.4	50.9	89.3
5°	8.7	8.7	10.6	10.8	10.8	13.0	15.1	23.7	35.5	56.6	102.7
2.5°	8.7	8.7	10.7	10.8	10.8	13.0	15.2	24.9	37.3	62.0	115.7
0°	8.7	8.7	10.8	10.8	10.8	13.0	15.2	24.9	37.3	62.0	115.7
-2.5°	8.7	8.7	10.8	10.8	11.0	13.5	17.2	31.0	49.5	82.6	146.5
-5°	8.7	8.7	10.8	10.8	11.2	13.9	19.1	35.8	59.5	97.3	163.7
-7.5°	8.7	8.7	10.8	10.8	11.4	14.3	20.9	40.1	68.9	111.0	179.3
-10°	8.7	8.7	10.7	10.8	11.5	14.7	22.5	44.0	77.3	123.5	193.4
-12.5°	8.7	8.7	10.7	10.8	11.7	15.0	23.9	47.2	84.5	134.7	206.2
-15°	8.7	8.7	10.7	10.8	11.8	15.2	24.9	49.7	91.1	144.9	217.2
-17.5°	8.7	8.7	10.6	10.8	11.9	15.4	25.7	52.5	97.4	153.7	226.1
-20°	8.7	8.7	10.5	10.8	11.9	15.5	26.4	55.1	102.0	160.9	232.6



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 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.7	8.7	10.5	10.8	12.0	15.5	27.2	56.5	105.0	166.4	236.8
-25°	8.7	8.7	10.4	10.8	12.0	15.7	27.4	56.6	106.2	170.3	238.4
-27.5°	8.7	8.7	10.3	10.8	11.9	15.8	26.8	55.4	105.5	172.0	241.6
-30°	8.7	8.7	10.2	10.8	11.8	15.8	25.4	52.6	103.7	170.8	242.8
-32.5°	8.7	8.7	10.1	10.8	11.9	15.7	23.2	50.6	100.4	166.9	241.7
-35°	8.7	8.7	10.0	10.8	11.8	15.4	22.3	48.1	95.0	160.4	238.3
-37.5°	8.7	8.7	9.9	10.8	11.7	15.2	21.9	44.3	87.4	151.0	222.3
-40°	8.7	8.7	9.8	10.8	11.6	15.1	21.4	39.2	77.7	140.1	202.6
-42.5°	8.7	8.7	9.7	10.8	11.5	14.8	20.7	32.8	69.0	123.1	180.9
-45°	8.7	8.7	9.6	10.8	11.6	14.5	19.7	28.0	60.2	104.0	157.5
-47.5°	8.7	8.7	9.4	10.8	11.5	14.2	18.6	26.6	49.7	83.8	134.6
-50°	8.7	8.7	9.3	10.7	11.5	13.7	17.9	25.0	36.8	69.1	110.1
-52.5°	8.7	8.7	9.2	10.5	11.4	13.1	17.1	23.1	30.9	53.8	85.0
-55°	8.7	8.7	9.0	10.3	11.2	12.8	16.3	21.1	28.1	37.8	67.1
-57.5°	8.7	8.7	8.9	10.1	11.0	12.5	15.3	19.8	25.1	31.6	48.5
-60°	8.7	8.7	8.7	9.9	10.8	12.1	14.3	18.3	22.4	28.2	34.3
-62.5°	8.7	8.7	8.7	9.7	10.6	11.6	13.5	16.7	20.6	24.7	30.4
-65°	8.7	8.7	8.7	9.5	10.4	11.1	12.7	15.3	18.7	22.3	26.4
-67.5°	8.7	8.7	8.7	9.4	10.2	10.7	11.9	14.2	16.8	20.1	23.5
-70°	8.7	8.7	8.7	9.2	10.1	10.6	10.9	13.0	15.5	17.9	21.0
-72.5°	8.7	8.7	8.7	9.1	9.9	10.5	10.8	11.9	14.2	16.5	18.7
-75°	8.7	8.7	8.7	9.1	9.7	10.4	10.8	11.5	12.9	15.0	17.1
-77.5°	8.7	8.7	8.7	9.0	9.6	10.3	10.7	11.3	12.2	13.6	15.4
-80°	8.7	8.7	8.7	9.0	9.4	10.0	10.8	11.0	11.6	12.5	13.7
-82.5°	8.7	8.7	8.7	8.9	9.2	9.7	10.3	10.6	10.9	11.3	11.9
-85°	8.7	8.7	8.7	8.8	9.1	9.4	9.8	10.0	10.1	10.3	10.5
-87.5°	8.7	8.7	8.7	8.8	8.9	9.0	9.2	9.3	9.4	9.5	9.6
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	9.2	9.8	10.3
87.5°	8.4	8.2	7.9	7.8	7.5	7.2	6.9	6.5	6.5	6.5	6.5
85°	8.7	8.7	8.7	8.7	8.2	7.6	7.1	6.5	6.5	6.5	6.5
82.5°	8.7	8.7	8.7	8.7	8.2	7.7	7.1	6.8	6.9	6.8	6.7
80°	8.7	8.7	8.7	8.7	8.4	8.3	8.2	8.3	8.1	7.7	7.1
77.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.3	7.7	7.2
75°	8.7	8.7	8.8	8.8	8.7	8.7	8.7	8.7	8.5	8.3	8.3
72.5°	9.0	9.3	9.3	9.0	8.7	8.7	8.7	8.7	10.2	12.4	14.1
70°	9.9	10.0	9.4	8.9	8.7	9.3	11.9	15.5	19.4	22.1	25.7
67.5°	10.5	9.6	8.9	8.9	10.5	13.4	17.5	26.8	37.1	41.1	42.3
65°	9.7	8.9	9.2	10.6	12.8	20.5	30.7	42.7	51.5	50.8	48.2
62.5°	8.9	9.0	10.1	13.6	20.6	30.2	39.5	47.8	56.2	53.9	46.3
60°	8.9	9.2	13.3	20.4	27.7	34.7	43.4	48.2	52.0	51.7	40.9
57.5°	9.0	11.7	18.8	25.7	31.6	37.0	39.7	43.0	44.3	44.5	33.3
55°	10.4	16.1	23.0	28.9	33.3	32.5	33.5	33.9	34.1	31.8	22.6
52.5°	13.8	19.8	25.5	30.6	31.6	28.5	24.9	25.0	23.4	19.7	16.3
50°	16.6	22.0	27.5	31.0	29.6	23.7	18.3	18.3	16.7	14.4	12.4
47.5°	18.7	24.1	29.4	31.3	26.4	21.5	17.0	14.8	13.2	12.7	11.4
45°	20.4	25.7	31.3	29.3	24.9	21.3	17.5	13.0	13.6	13.5	13.9
42.5°	22.1	26.8	30.0	27.9	25.4	22.7	19.3	16.7	15.6	17.2	17.9
40°	22.8	27.5	29.0	29.4	27.0	25.6	25.1	23.1	20.1	22.8	23.7
37.5°	23.2	27.4	30.1	33.8	30.5	31.3	32.6	33.1	31.3	30.5	34.4
35°	23.1	28.2	36.4	40.6	38.0	39.8	43.6	45.4	45.4	44.6	51.1
32.5°	23.7	29.7	45.0	48.6	51.4	53.6	56.2	60.3	63.9	68.1	78.9
30°	26.7	37.7	54.8	57.6	67.8	78.5	75.5	77.5	86.0	113.1	136.8
27.5°	33.3	48.6	63.3	72.1	88.7	111.0	118.0	104.3	129.0	171.1	211.3
25°	41.1	78.8	72.5	89.9	120.7	154.2	172.9	170.8	195.1	248.3	295.9
22.5°	57.8	118.1	114.4	109.3	158.0	207.2	239.1	294.7	372.8	372.5	389.8
20°	86.7	155.7	167.2	181.8	213.1	268.1	313.8	460.8	623.7	679.0	618.7
17.5°	120.7	197.1	227.4	276.4	346.1	381.7	407.7	659.4	934.6	1043.7	1077.9
15°	158.4	241.7	291.8	382.3	493.6	556.6	667.7	955.2	1280.4	1465.2	1602.7
12.5°	198.6	288.7	359.2	496.8	651.6	734.9	981.2	1397.3	1721.2	1944.3	2293.8
10°	240.1	337.1	428.5	616.9	816.9	915.4	1316.9	1852.6	2191.0	2449.2	2927.4
7.5°	285.7	385.4	497.3	739.5	985.9	1096.6	1663.6	2311.5	2649.0	2936.6	3477.1
5°	330.2	431.7	559.0	843.8	1121.2	1249.5	1976.2	2761.8	3093.8	3406.1	3973.3
2.5°	371.3	476.1	618.3	939.8	1228.6	1356.5	2126.8	2991.0	3353.0	3740.4	4348.2
0°	407.5	518.1	674.2	1027.5	1326.7	1458.9	2245.8	3188.8	3563.8	4003.9	4621.7
-2.5°	415.2	534.8	694.1	1026.2	1313.6	1456.3	2257.3	3197.5	3636.4	4101.6	4706.2
-5°	417.2	548.1	709.4	1016.0	1291.8	1447.9	2234.0	3165.2	3648.4	4077.8	4622.2
-7.5°	414.3	557.7	719.9	995.9	1249.3	1399.8	2102.3	2969.0	3457.6	3831.7	4343.7
-10°	406.8	556.4	708.1	950.6	1181.6	1326.8	1922.0	2742.7	3259.0	3581.0	4027.1
-12.5°	393.8	546.0	689.4	902.0	1113.0	1252.3	1712.0	2492.0	3057.7	3332.7	3693.6
-15°	379.3	533.6	667.4	851.8	1046.0	1177.3	1473.6	2221.5	2865.9	3146.0	3414.1
-17.5°	364.1	519.6	642.3	801.5	982.7	1102.9	1216.3	1934.1	2623.4	2955.6	3214.7
-20°	349.2	504.4	614.5	752.7	923.0	1045.3	1138.3	1643.0	2282.5	2744.7	3004.8



REPORT NUMBER: P701613 (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°	335.3	488.1	588.1	714.9	870.5	999.3	1093.7	1358.0	1922.9	2515.3	2796.5
-25°	330.2	464.7	566.6	681.8	820.2	953.0	1050.2	1116.3	1583.1	2169.5	2597.9
-27.5°	330.4	445.1	545.9	646.2	770.1	903.6	1000.7	1068.8	1324.8	1829.6	2374.1
-30°	327.5	421.5	523.2	611.6	726.1	846.9	949.3	1043.5	1124.4	1528.6	2009.1
-32.5°	315.1	396.6	495.8	584.4	681.8	792.1	907.3	1008.0	1095.9	1227.4	1662.7
-35°	298.4	376.1	466.0	555.4	637.0	743.2	856.6	966.7	1060.0	1141.6	1340.2
-37.5°	283.1	352.8	435.2	523.3	603.5	694.6	802.0	912.3	1012.5	1109.5	1199.2
-40°	265.8	326.8	405.8	488.8	568.7	648.3	745.3	849.5	955.2	1067.0	1175.1
-42.5°	245.8	305.3	374.6	452.7	528.5	606.5	686.1	784.1	890.4	1008.7	1121.3
-45°	219.4	281.5	341.7	412.2	484.0	559.7	636.4	715.5	818.2	927.3	1045.2
-47.5°	190.9	253.9	312.5	368.9	436.6	507.2	581.8	659.3	740.5	839.9	945.8
-50°	161.0	219.7	279.2	330.1	386.8	452.0	520.5	597.6	674.9	752.9	843.0
-52.5°	131.9	183.1	238.8	291.7	340.6	395.2	458.8	528.6	602.4	677.3	747.0
-55°	101.1	147.6	195.7	247.4	296.9	343.2	394.5	457.2	523.3	592.8	656.6
-57.5°	76.3	111.3	154.1	199.2	247.1	294.0	338.8	384.3	441.3	502.7	557.3
-60°	54.8	80.3	113.1	152.8	193.7	238.0	283.1	325.4	367.1	407.3	456.2
-62.5°	36.0	55.9	79.0	106.8	143.1	180.4	220.4	261.1	301.7	336.6	368.8
-65°	31.5	36.1	51.8	72.6	93.3	126.9	160.8	193.3	228.9	261.0	292.0
-67.5°	26.9	31.2	35.3	42.6	61.3	82.2	104.1	133.8	162.1	185.1	208.1
-70°	23.9	26.4	29.9	33.5	37.4	45.9	64.3	83.4	102.3	120.0	139.7
-72.5°	21.1	23.3	25.6	27.7	31.1	35.1	39.2	43.5	54.1	68.3	81.9
-75°	18.7	20.3	22.2	24.2	26.3	28.7	31.3	34.9	38.2	41.2	43.9
-77.5°	16.6	17.8	19.1	20.6	22.3	24.1	26.0	28.1	30.3	32.6	35.0
-80°	14.5	15.2	16.0	17.0	18.4	19.8	21.2	22.5	23.8	25.4	27.1
-82.5°	12.5	13.0	13.5	14.0	14.8	15.8	16.9	18.0	18.4	18.8	19.4
-85°	10.6	10.8	11.1	11.4	11.9	12.3	12.9	13.5	13.6	13.7	13.7
-87.5°	9.7	9.7	9.8	9.9	10.0	10.0	10.1	10.2	10.4	10.6	10.7
-90°	8.2	7.6	7.1	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5



REPORT NUMBER: P701613 (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°	10.8	11.3	11.9	12.4	13.0	17.9	22.7	27.6	32.5	40.6	48.7
87.5°	6.5	6.0	5.4	4.9	4.3	3.8	3.3	2.7	2.2	2.2	2.2
85°	6.5	6.0	5.4	4.9	4.3	4.2	4.2	4.2	4.2	3.7	3.2
82.5°	6.5	6.0	5.4	4.9	4.3	4.3	4.3	4.3	4.3	3.8	3.3
80°	6.6	6.2	6.0	5.8	5.7	5.5	5.2	4.8	4.3	4.3	4.2
77.5°	6.8	6.9	6.9	6.8	6.6	6.1	5.5	4.9	4.4	4.3	4.3
75°	8.5	8.7	8.9	8.6	7.8	7.3	6.9	6.6	6.2	5.8	5.4
72.5°	15.2	15.3	14.6	14.0	12.7	12.1	12.2	12.0	11.7	11.5	11.3
70°	27.8	28.3	27.2	24.5	20.7	18.2	17.0	15.5	13.7	12.9	12.9
67.5°	39.6	36.3	32.7	29.0	24.3	20.4	18.0	15.9	13.8	12.7	12.2
65°	43.3	35.4	29.6	25.0	21.4	18.4	15.9	13.5	11.2	9.7	9.3
62.5°	37.7	28.1	22.4	18.9	16.4	14.8	12.4	10.2	8.3	7.3	7.6
60°	30.6	20.8	15.4	13.5	11.9	10.8	9.5	8.2	7.2	6.5	6.7
57.5°	22.9	15.1	10.8	10.5	10.0	9.1	8.3	7.7	7.1	6.5	6.5
55°	15.8	12.5	10.9	10.3	9.7	9.1	8.5	7.8	7.2	6.5	6.5
52.5°	12.4	11.3	10.9	10.4	9.8	9.2	8.6	8.0	7.3	6.6	6.5
50°	11.3	10.9	11.0	10.6	10.0	9.4	8.8	8.4	8.2	7.9	8.1
47.5°	11.6	11.9	11.7	10.9	10.5	10.6	10.6	10.6	10.7	10.3	10.1
45°	13.3	13.3	13.2	13.1	12.5	13.7	14.5	14.6	16.9	16.1	13.5
42.5°	16.5	17.3	18.2	19.4	17.9	22.9	30.7	36.0	30.8	24.3	20.5
40°	25.0	25.6	31.1	34.0	40.3	47.5	43.3	36.1	32.2	34.4	35.6
37.5°	39.4	46.1	55.1	65.2	62.8	52.0	53.2	53.1	51.2	55.7	56.0
35°	64.4	80.6	88.3	90.8	86.3	82.9	85.9	88.8	82.2	92.7	96.1
32.5°	105.2	125.1	129.6	125.0	125.5	132.7	138.1	148.0	157.9	173.7	192.5
30°	155.3	176.7	186.9	177.5	179.5	196.7	207.8	230.4	266.3	307.4	358.6
27.5°	230.0	245.9	264.1	266.7	258.1	283.4	323.0	346.7	443.3	507.3	622.5
25°	328.7	353.3	369.4	396.5	411.1	441.7	517.6	590.6	739.1	883.7	1128.9
22.5°	458.2	537.3	566.3	562.2	647.6	729.9	794.5	999.1	1291.6	1719.6	2201.4
20°	629.3	791.8	929.8	974.6	1005.0	1221.9	1445.1	2080.1	2808.0	4022.9	4967.4
17.5°	1134.3	1187.7	1491.0	1737.8	1855.3	2314.7	3356.2	4954.6	7702.0	11461.2	13772.5
15°	1893.8	2046.3	2350.5	2872.6	3518.8	4736.6	6475.0	11571.1	18617.4	26317.5	33648.4
12.5°	2732.4	3050.7	3607.8	4376.8	5402.7	8877.3	14487.8	24075.6	37120.4	50461.2	67475.9
10°	3510.7	4150.8	5065.1	6363.0	8997.3	14933.2	24377.0	40674.7	63781.2	87874.9	111945.3
7.5°	4145.5	5061.3	6398.4	8342.6	13063.9	22593.9	38081.7	62094.2	91720.4	122718.2	155354.0
5°	4786.7	5946.0	7556.4	9908.8	15728.7	28512.4	49112.9	81986.7	120219.7	159277.8	200406.1
2.5°	5342.4	6698.7	8563.1	11311.5	17520.7	31715.6	55767.6	96247.3	141136.7	187876.0	240259.5
0°	5753.2	7134.1	9115.4	11974.7	19286.5	34209.4	59663.2	100462.6	146119.9	194373.2	247911.4
-2.5°	5696.0	6944.9	8740.8	11578.3	18673.0	33759.5	57229.9	96992.0	141677.4	186910.2	234659.2
-5°	5435.8	6521.8	8131.1	10671.0	16554.1	29290.7	51357.4	88002.4	129553.9	170889.3	213374.2
-7.5°	5039.2	5978.8	7389.2	9571.2	14110.8	24139.9	42478.6	71144.2	106867.3	142195.1	174968.3
-10°	4629.5	5394.8	6538.0	8262.1	11500.4	18508.1	31476.5	52906.2	82614.3	111707.8	136822.8
-12.5°	4244.3	4814.2	5627.3	6827.7	8823.6	13855.6	23647.4	39282.3	59126.4	81494.8	103241.8
-15°	3885.1	4306.6	4890.4	5858.6	7455.9	10440.6	15756.4	26175.7	40133.9	55747.5	70780.4
-17.5°	3555.8	3903.3	4358.8	5040.5	6030.3	7875.9	11599.8	17556.9	25984.2	37090.3	47471.6
-20°	3260.6	3575.3	3916.2	4426.8	5186.9	6273.3	8106.6	11804.7	16667.8	23667.8	30533.4



REPORT NUMBER: P701613 (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°
-22.5°	3029.5	3276.7	3541.6	3932.3	4565.9	5336.2	6247.6	7762.6	10439.3	14029.8	18096.2
-25°	2818.4	3001.4	3276.2	3696.6	4130.7	4644.5	5197.1	5804.8	6992.4	8147.2	10276.2
-27.5°	2617.6	2810.7	3096.9	3476.4	3872.3	4112.3	4465.7	4841.0	5409.2	5910.6	6758.7
-30°	2450.1	2652.9	2895.9	3216.0	3549.4	3775.4	3959.4	4230.9	4546.0	4860.4	5225.3
-32.5°	2135.3	2522.2	2690.7	2934.8	3234.9	3472.7	3635.5	3837.2	4005.6	4201.1	4399.3
-35°	1791.0	2217.7	2566.1	2724.1	2931.6	3196.1	3427.5	3589.5	3719.9	3840.5	3954.1
-37.5°	1401.4	1845.1	2225.6	2545.9	2735.9	2913.0	3158.4	3376.5	3533.4	3616.3	3690.2
-40°	1253.1	1381.3	1783.2	2150.6	2436.6	2714.0	2905.2	3118.9	3300.2	3414.8	3500.5
-42.5°	1227.8	1293.6	1345.6	1624.0	1971.0	2268.2	2521.3	2770.5	2992.1	3156.4	3289.0
-45°	1159.3	1237.6	1310.5	1362.0	1415.5	1678.3	1960.8	2236.1	2486.1	2709.9	2905.4
-47.5°	1048.6	1142.1	1220.0	1294.7	1352.7	1398.6	1451.6	1539.3	1773.5	2003.3	2221.6
-50°	928.3	1012.9	1097.5	1177.9	1240.9	1296.3	1347.3	1390.9	1434.8	1480.7	1524.4
-52.5°	809.3	884.9	960.2	1030.7	1097.9	1161.2	1220.0	1263.2	1300.2	1332.8	1357.3
-55°	715.7	771.9	826.8	886.6	946.3	1002.1	1053.2	1100.0	1142.5	1180.5	1209.7
-57.5°	612.3	667.5	720.0	764.8	808.3	850.3	893.7	935.2	971.9	1003.6	1029.4
-60°	504.3	551.5	598.2	642.3	684.2	723.7	759.3	792.0	821.6	846.9	865.9
-62.5°	400.1	437.3	479.3	517.7	551.4	583.7	620.3	653.3	682.6	706.9	725.0
-65°	321.3	348.0	378.2	407.9	437.0	468.4	500.4	528.7	553.6	574.0	590.1
-67.5°	234.1	260.4	289.8	316.4	341.0	367.6	398.1	426.1	451.7	472.4	489.2
-70°	157.8	176.5	199.6	224.5	248.6	273.9	301.8	328.6	354.3	373.9	389.9
-72.5°	94.7	106.9	119.4	135.6	152.6	173.4	196.8	220.3	243.5	260.4	273.7
-75°	46.4	51.3	61.5	70.9	79.5	90.6	102.5	113.6	124.0	131.6	137.9
-77.5°	37.5	39.9	42.3	44.5	46.6	51.5	57.4	63.4	69.6	74.5	79.2
-80°	28.8	30.4	31.9	33.6	35.4	39.1	43.1	47.2	51.2	54.3	57.2
-82.5°	20.1	20.9	21.6	22.3	22.9	25.7	28.4	31.1	33.7	36.2	38.6
-85°	13.6	13.8	14.0	14.2	14.4	17.1	19.9	22.7	25.5	27.8	30.1
-87.5°	10.8	10.9	10.9	11.0	11.0	13.3	15.6	17.8	19.9	22.1	24.2
-90°	6.5	6.0	5.4	4.9	4.3	3.8	3.3	2.7	2.2	1.7	1.1



REPORT NUMBER: P701613 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	56.9	65.0	59.6	54.2	59.6	65.0	56.9	48.7	40.6	32.5	27.6
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.7
85°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.2	3.7	4.2	4.2
82.5°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.3	3.8	4.3	4.3
80°	4.2	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.3	4.3	4.8
77.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.9
75°	4.9	4.3	5.4	6.5	5.4	4.3	4.9	5.4	5.8	6.2	6.6
72.5°	11.0	10.7	10.8	10.8	10.8	10.7	11.0	11.3	11.5	11.7	12.0
70°	12.9	12.9	13.0	13.0	13.0	12.9	12.9	12.9	12.9	13.7	15.5
67.5°	11.6	11.0	10.8	10.8	10.8	11.0	11.6	12.2	12.7	13.8	15.9
65°	9.0	8.8	8.7	8.7	8.7	8.8	9.0	9.3	9.7	11.2	13.5
62.5°	8.0	8.6	8.7	8.7	8.7	8.6	8.0	7.6	7.3	8.3	10.2
60°	6.7	6.6	6.5	6.5	6.5	6.6	6.7	6.7	6.5	7.2	8.2
57.5°	6.5	6.5	7.4	8.7	7.4	6.5	6.5	6.5	6.5	7.1	7.7
55°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	7.2	7.8
52.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.6	7.3	8.0
50°	8.3	8.5	8.7	8.7	8.7	8.5	8.3	8.1	7.9	8.2	8.4
47.5°	10.4	10.6	10.1	8.7	10.1	10.6	10.4	10.1	10.3	10.7	10.6
45°	13.6	13.2	12.9	13.0	12.9	13.2	13.6	13.5	16.1	16.9	14.6
42.5°	21.1	21.4	21.5	21.7	21.5	21.4	21.1	20.5	24.3	30.8	36.0
40°	37.5	38.4	38.6	39.0	38.6	38.4	37.5	35.6	34.4	32.2	36.1
37.5°	56.7	57.7	57.9	58.5	57.9	57.7	56.7	56.0	55.7	51.2	53.1
35°	95.7	95.4	92.1	93.2	92.1	95.4	95.7	96.1	92.7	82.2	88.8
32.5°	205.5	207.0	196.4	179.9	196.4	207.0	205.5	192.5	173.7	157.9	148.0
30°	397.2	431.1	454.0	455.2	454.0	431.1	397.2	358.6	307.4	266.3	230.4
27.5°	699.5	752.4	774.9	786.9	774.9	752.4	699.5	622.5	507.3	443.3	346.7
25°	1321.7	1442.9	1508.4	1458.9	1508.4	1442.9	1321.7	1128.9	883.7	739.1	590.6
22.5°	2659.5	2891.3	3088.9	3099.9	3088.9	2891.3	2659.5	2201.4	1719.6	1291.6	999.1
20°	6280.7	6228.0	6727.5	6477.3	6727.5	6228.0	6280.7	4967.4	4022.9	2808.0	2080.1
17.5°	17814.7	19785.2	20874.3	19384.1	20874.3	19785.2	17814.7	13772.5	11461.2	7702.0	4954.6
15°	40955.2	45871.0	49197.2	48772.4	49197.2	45871.0	40955.2	33648.4	26317.5	18617.4	11571.1
12.5°	77006.3	85084.4	91969.9	91681.1	91969.9	85084.4	77006.3	67475.9	50461.2	37120.4	24075.6
10°	133390.0	147473.6	160598.8	161966.3	160598.8	147473.6	133390.0	111945.3	87874.9	63781.2	40674.7
7.5°	185337.1	217051.8	235956.4	240806.6	235956.4	217051.8	185337.1	155354.0	122718.2	91720.4	62094.2
5°	250383.8	287110.7	306979.4	307509.6	306979.4	287110.7	250383.8	200406.1	159277.8	120219.7	81986.7
2.5°	298536.4	339906.7	364302.8	383178.5	364302.8	339906.7	298536.4	240259.5	187876.0	141136.7	96247.3
0°	312857.5	348534.4	388343.2	410476.0	388343.2	348534.4	312857.5	247911.4	194373.2	146119.9	100462.6
-2.5°	293668.1	331021.3	350782.8	368785.6	350782.8	331021.3	293668.1	234659.2	186910.2	141677.4	96992.0
-5°	257213.2	296776.4	315763.1	319816.0	315763.1	296776.4	257213.2	213374.2	170889.3	129553.9	88002.4
-7.5°	204665.0	232511.0	251733.0	259271.5	251733.0	232511.0	204665.0	174968.3	142195.1	106867.3	71144.2
-10°	160178.3	178159.4	187778.6	194174.8	187778.6	178159.4	160178.3	136822.8	111707.8	82614.3	52906.2
-12.5°	120769.9	133768.2	141312.1	144596.0	141312.1	133768.2	120769.9	103241.8	81494.8	59126.4	39282.3
-15°	85963.2	96248.7	101356.9	104609.5	101356.9	96248.7	85963.2	70780.4	55747.5	40133.9	26175.7
-17.5°	58896.2	67166.4	71880.3	74945.9	71880.3	67166.4	58896.2	47471.6	37090.3	25984.2	17556.9
-20°	37683.3	42607.7	46234.8	47291.8	46234.8	42607.7	37683.3	30533.4	23667.8	16667.8	11804.7



REPORT NUMBER: P701613 (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°
-22.5°	22017.2	24916.6	26743.2	27157.7	26743.2	24916.6	22017.2	18096.2	14029.8	10439.3	7762.6
-25°	11971.2	13234.5	14192.8	14517.5	14192.8	13234.5	11971.2	10276.2	8147.2	6992.4	5804.8
-27.5°	7351.5	7840.0	8193.9	8376.2	8193.9	7840.0	7351.5	6758.7	5910.6	5409.2	4841.0
-30°	5529.5	5752.3	5885.3	5974.3	5885.3	5752.3	5529.5	5225.3	4860.4	4546.0	4230.9
-32.5°	4539.9	4639.6	4699.7	4740.9	4699.7	4639.6	4539.9	4399.3	4201.1	4005.6	3837.2
-35°	4043.9	4108.6	4153.1	4175.1	4153.1	4108.6	4043.9	3954.1	3840.5	3719.9	3589.5
-37.5°	3745.1	3785.9	3815.5	3832.6	3815.5	3785.9	3745.1	3690.2	3616.3	3533.4	3376.5
-40°	3541.4	3570.0	3593.7	3620.2	3593.7	3570.0	3541.4	3500.5	3414.8	3300.2	3118.9
-42.5°	3355.6	3398.1	3419.5	3425.1	3419.5	3398.1	3355.6	3289.0	3156.4	2992.1	2770.5
-45°	3055.2	3173.2	3245.7	3269.0	3245.7	3173.2	3055.2	2905.4	2709.9	2486.1	2236.1
-47.5°	2422.4	2599.0	2732.3	2813.8	2732.3	2599.0	2422.4	2221.6	2003.3	1773.5	1539.3
-50°	1565.2	1602.6	1617.3	1608.5	1617.3	1602.6	1565.2	1524.4	1480.7	1434.8	1390.9
-52.5°	1376.7	1391.7	1404.2	1413.4	1404.2	1391.7	1376.7	1357.3	1332.8	1300.2	1263.2
-55°	1232.6	1249.5	1265.5	1279.0	1265.5	1249.5	1232.6	1209.7	1180.5	1142.5	1100.0
-57.5°	1051.0	1068.1	1074.5	1073.0	1074.5	1068.1	1051.0	1029.4	1003.6	971.9	935.2
-60°	881.5	893.7	902.8	908.3	902.8	893.7	881.5	865.9	846.9	821.6	792.0
-62.5°	739.2	749.7	761.6	771.7	761.6	749.7	739.2	725.0	706.9	682.6	653.3
-65°	603.7	614.9	623.9	630.8	623.9	614.9	603.7	590.1	574.0	553.6	528.7
-67.5°	504.2	517.5	527.4	535.4	527.4	517.5	504.2	489.2	472.4	451.7	426.1
-70°	404.5	417.8	425.8	431.4	425.8	417.8	404.5	389.9	373.9	354.3	328.6
-72.5°	285.1	294.7	299.2	301.3	299.2	294.7	285.1	273.7	260.4	243.5	220.3
-75°	143.3	148.0	152.4	156.1	152.4	148.0	143.3	137.9	131.6	124.0	113.6
-77.5°	83.8	88.2	90.9	93.2	90.9	88.2	83.8	79.2	74.5	69.6	63.4
-80°	60.0	62.5	64.9	67.2	64.9	62.5	60.0	57.2	54.3	51.2	47.2
-82.5°	40.9	43.3	44.4	45.5	44.4	43.3	40.9	38.6	36.2	33.7	31.1
-85°	32.4	34.6	35.8	36.9	35.8	34.6	32.4	30.1	27.8	25.5	22.7
-87.5°	26.3	28.3	29.3	30.3	29.3	28.3	26.3	24.2	22.1	19.9	17.8
-90°	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.7	2.2	2.7



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	22.7	17.9	13.0	12.4	11.9	11.3	10.8	10.3	9.8	9.2	8.7
87.5°	3.3	3.8	4.3	4.9	5.4	6.0	6.5	6.5	6.5	6.5	6.5
85°	4.2	4.2	4.3	4.9	5.4	6.0	6.5	6.5	6.5	6.5	6.5
82.5°	4.3	4.3	4.3	4.9	5.4	6.0	6.5	6.7	6.8	6.9	6.8
80°	5.2	5.5	5.7	5.8	6.0	6.2	6.6	7.1	7.7	8.1	8.3
77.5°	5.5	6.1	6.6	6.8	6.9	6.9	6.8	7.2	7.7	8.3	8.7
75°	6.9	7.3	7.8	8.6	8.9	8.7	8.5	8.3	8.3	8.5	8.7
72.5°	12.2	12.1	12.7	14.0	14.6	15.3	15.2	14.1	12.4	10.2	8.7
70°	17.0	18.2	20.7	24.5	27.2	28.3	27.8	25.7	22.1	19.4	15.5
67.5°	18.0	20.4	24.3	29.0	32.7	36.3	39.6	42.3	41.1	37.1	26.8
65°	15.9	18.4	21.4	25.0	29.6	35.4	43.3	48.2	50.8	51.5	42.7
62.5°	12.4	14.8	16.4	18.9	22.4	28.1	37.7	46.3	53.9	56.2	47.8
60°	9.5	10.8	11.9	13.5	15.4	20.8	30.6	40.9	51.7	52.0	48.2
57.5°	8.3	9.1	10.0	10.5	10.8	15.1	22.9	33.3	44.5	44.3	43.0
55°	8.5	9.1	9.7	10.3	10.9	12.5	15.8	22.6	31.8	34.1	33.9
52.5°	8.6	9.2	9.8	10.4	10.9	11.3	12.4	16.3	19.7	23.4	25.0
50°	8.8	9.4	10.0	10.6	11.0	10.9	11.3	12.4	14.4	16.7	18.3
47.5°	10.6	10.6	10.5	10.9	11.7	11.9	11.6	11.4	12.7	13.2	14.8
45°	14.5	13.7	12.5	13.1	13.2	13.3	13.3	13.9	13.5	13.6	13.0
42.5°	30.7	22.9	17.9	19.4	18.2	17.3	16.5	17.9	17.2	15.6	16.7
40°	43.3	47.5	40.3	34.0	31.1	25.6	25.0	23.7	22.8	20.1	23.1
37.5°	53.2	52.0	62.8	65.2	55.1	46.1	39.4	34.4	30.5	31.3	33.1
35°	85.9	82.9	86.3	90.8	88.3	80.6	64.4	51.1	44.6	45.4	45.4
32.5°	138.1	132.7	125.5	125.0	129.6	125.1	105.2	78.9	68.1	63.9	60.3
30°	207.8	196.7	179.5	177.5	186.9	176.7	155.3	136.8	113.1	86.0	77.5
27.5°	323.0	283.4	258.1	266.7	264.1	245.9	230.0	211.3	171.1	129.0	104.3
25°	517.6	441.7	411.1	396.5	369.4	353.3	328.7	295.9	248.3	195.1	170.8
22.5°	794.5	729.9	647.6	562.2	566.3	537.3	458.2	389.8	372.5	372.8	294.7
20°	1445.1	1221.9	1005.0	974.6	929.8	791.8	629.3	618.7	679.0	623.7	460.8
17.5°	3356.2	2314.7	1855.3	1737.8	1491.0	1187.7	1134.3	1077.9	1043.7	934.6	659.4
15°	6475.0	4736.6	3518.8	2872.6	2350.5	2046.3	1893.8	1602.7	1465.2	1280.4	955.2
12.5°	14487.8	8877.3	5402.7	4376.8	3607.8	3050.7	2732.4	2293.8	1944.3	1721.2	1397.3
10°	24377.0	14933.2	8997.3	6363.0	5065.1	4150.8	3510.7	2927.4	2449.2	2191.0	1852.6
7.5°	38081.7	22593.9	13063.9	8342.6	6398.4	5061.3	4145.5	3477.1	2936.6	2649.0	2311.5
5°	49112.9	28512.4	15728.7	9908.8	7556.4	5946.0	4786.7	3973.3	3406.1	3093.8	2761.8
2.5°	55767.6	31715.6	17520.7	11311.5	8563.1	6698.7	5342.4	4348.2	3740.4	3353.0	2991.0
0°	59663.2	34209.4	19286.5	11974.7	9115.4	7134.1	5753.2	4621.7	4003.9	3563.8	3188.8
-2.5°	57229.9	33759.5	18673.0	11578.3	8740.8	6944.9	5696.0	4706.2	4101.6	3636.4	3197.5
-5°	51357.4	29290.7	16554.1	10671.0	8131.1	6521.8	5435.8	4622.2	4077.8	3648.4	3165.2
-7.5°	42478.6	24139.9	14110.8	9571.2	7389.2	5978.8	5039.2	4343.7	3831.7	3457.6	2969.0
-10°	31476.5	18508.1	11500.4	8262.1	6538.0	5394.8	4629.5	4027.1	3581.0	3259.0	2742.7
-12.5°	23647.4	13855.6	8823.6	6827.7	5627.3	4814.2	4244.3	3693.6	3332.7	3057.7	2492.0
-15°	15756.4	10440.6	7455.9	5858.6	4890.4	4306.6	3885.1	3414.1	3146.0	2865.9	2221.5
-17.5°	11599.8	7875.9	6030.3	5040.5	4358.8	3903.3	3555.8	3214.7	2955.6	2623.4	1934.1
-20°	8106.6	6273.3	5186.9	4426.8	3916.2	3575.3	3260.6	3004.8	2744.7	2282.5	1643.0



REPORT NUMBER: P701613 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6247.6	5336.2	4565.9	3932.3	3541.6	3276.7	3029.5	2796.5	2515.3	1922.9	1358.0
-25°	5197.1	4644.5	4130.7	3696.6	3276.2	3001.4	2818.4	2597.9	2169.5	1583.1	1116.3
-27.5°	4465.7	4112.3	3872.3	3476.4	3096.9	2810.7	2617.6	2374.1	1829.6	1324.8	1068.8
-30°	3959.4	3775.4	3549.4	3216.0	2895.9	2652.9	2450.1	2009.1	1528.6	1124.4	1043.5
-32.5°	3635.5	3472.7	3234.9	2934.8	2690.7	2522.2	2135.3	1662.7	1227.4	1095.9	1008.0
-35°	3427.5	3196.1	2931.6	2724.1	2566.1	2217.7	1791.0	1340.2	1141.6	1060.0	966.7
-37.5°	3158.4	2913.0	2735.9	2545.9	2225.6	1845.1	1401.4	1199.2	1109.5	1012.5	912.3
-40°	2905.2	2714.0	2436.6	2150.6	1783.2	1381.3	1253.1	1175.1	1067.0	955.2	849.5
-42.5°	2521.3	2268.2	1971.0	1624.0	1345.6	1293.6	1227.8	1121.3	1008.7	890.4	784.1
-45°	1960.8	1678.3	1415.5	1362.0	1310.5	1237.6	1159.3	1045.2	927.3	818.2	715.5
-47.5°	1451.6	1398.6	1352.7	1294.7	1220.0	1142.1	1048.6	945.8	839.9	740.5	659.3
-50°	1347.3	1296.3	1240.9	1177.9	1097.5	1012.9	928.3	843.0	752.9	674.9	597.6
-52.5°	1220.0	1161.2	1097.9	1030.7	960.2	884.9	809.3	747.0	677.3	602.4	528.6
-55°	1053.2	1002.1	946.3	886.6	826.8	771.9	715.7	656.6	592.8	523.3	457.2
-57.5°	893.7	850.3	808.3	764.8	720.0	667.5	612.3	557.3	502.7	441.3	384.3
-60°	759.3	723.7	684.2	642.3	598.2	551.5	504.3	456.2	407.3	367.1	325.4
-62.5°	620.3	583.7	551.4	517.7	479.3	437.3	400.1	368.8	336.6	301.7	261.1
-65°	500.4	468.4	437.0	407.9	378.2	348.0	321.3	292.0	261.0	228.9	193.3
-67.5°	398.1	367.6	341.0	316.4	289.8	260.4	234.1	208.1	185.1	162.1	133.8
-70°	301.8	273.9	248.6	224.5	199.6	176.5	157.8	139.7	120.0	102.3	83.4
-72.5°	196.8	173.4	152.6	135.6	119.4	106.9	94.7	81.9	68.3	54.1	43.5
-75°	102.5	90.6	79.5	70.9	61.5	51.3	46.4	43.9	41.2	38.2	34.9
-77.5°	57.4	51.5	46.6	44.5	42.3	39.9	37.5	35.0	32.6	30.3	28.1
-80°	43.1	39.1	35.4	33.6	31.9	30.4	28.8	27.1	25.4	23.8	22.5
-82.5°	28.4	25.7	22.9	22.3	21.6	20.9	20.1	19.4	18.8	18.4	18.0
-85°	19.9	17.1	14.4	14.2	14.0	13.8	13.6	13.7	13.7	13.6	13.5
-87.5°	15.6	13.3	11.0	11.0	10.9	10.9	10.8	10.7	10.6	10.4	10.2
-90°	3.3	3.8	4.3	4.9	5.4	6.0	6.5	6.5	6.5	6.5	6.5



REPORT NUMBER: P701613 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
87.5°	6.9	7.2	7.5	7.8	7.9	8.2	8.4	8.7	8.7	8.7	8.7
85°	7.1	7.6	8.2	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
82.5°	7.1	7.7	8.2	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
80°	8.2	8.3	8.4	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
77.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
75°	8.7	8.7	8.7	8.8	8.8	8.7	8.7	8.7	8.7	8.7	8.7
72.5°	8.7	8.7	8.7	9.0	9.3	9.3	9.0	8.7	8.7	8.7	8.7
70°	11.9	9.3	8.7	8.9	9.4	10.0	9.9	9.4	8.7	8.7	8.7
67.5°	17.5	13.4	10.5	8.9	8.9	9.6	10.5	10.2	9.5	8.7	8.7
65°	30.7	20.5	12.8	10.6	9.2	8.9	9.7	10.6	10.2	9.4	8.7
62.5°	39.5	30.2	20.6	13.6	10.1	9.0	8.9	10.0	10.7	10.0	9.1
60°	43.4	34.7	27.7	20.4	13.3	9.2	8.9	9.5	10.4	10.7	9.7
57.5°	39.7	37.0	31.6	25.7	18.8	11.7	9.0	9.4	10.1	10.7	10.2
55°	33.5	32.5	33.3	28.9	23.0	16.1	10.4	9.6	10.0	10.6	10.7
52.5°	24.9	28.5	31.6	30.6	25.5	19.8	13.8	9.7	10.1	10.6	10.8
50°	18.3	23.7	29.6	31.0	27.5	22.0	16.6	11.7	10.3	10.7	10.9
47.5°	17.0	21.5	26.4	31.3	29.4	24.1	18.7	13.5	10.4	10.8	11.1
45°	17.5	21.3	24.9	29.3	31.3	25.7	20.4	14.9	11.5	11.0	11.3
42.5°	19.3	22.7	25.4	27.9	30.0	26.8	22.1	16.3	12.2	11.3	11.5
40°	25.1	25.6	27.0	29.4	29.0	27.5	22.8	17.7	12.7	11.8	11.8
37.5°	32.6	31.3	30.5	33.8	30.1	27.4	23.2	19.0	14.0	12.7	12.2
35°	43.6	39.8	38.0	40.6	36.4	28.2	23.1	19.8	16.3	13.7	12.6
32.5°	56.2	53.6	51.4	48.6	45.0	29.7	23.7	21.6	18.6	14.7	13.0
30°	75.5	78.5	67.8	57.6	54.8	37.7	26.7	24.0	21.0	15.7	13.6
27.5°	118.0	111.0	88.7	72.1	63.3	48.6	33.3	26.9	23.5	17.1	14.4
25°	172.9	154.2	120.7	89.9	72.5	78.8	41.1	30.2	25.9	19.1	15.3
22.5°	239.1	207.2	158.0	109.3	114.4	118.1	57.8	36.4	28.4	21.1	16.1
20°	313.8	268.1	213.1	181.8	167.2	155.7	86.7	43.2	31.2	23.1	17.0
17.5°	407.7	381.7	346.1	276.4	227.4	197.1	120.7	50.6	34.1	25.0	17.8
15°	667.7	556.6	493.6	382.3	291.8	241.7	158.4	58.2	37.1	26.9	18.8
12.5°	981.2	734.9	651.6	496.8	359.2	288.7	198.6	66.1	40.2	29.0	19.9
10°	1316.9	915.4	816.9	616.9	428.5	337.1	240.1	75.8	45.3	31.3	21.2
7.5°	1663.6	1096.6	985.9	739.5	497.3	385.4	285.7	89.3	50.9	33.4	22.5
5°	1976.2	1249.5	1121.2	843.8	559.0	431.7	330.2	102.7	56.6	35.5	23.7
2.5°	2126.8	1356.5	1228.6	939.8	618.3	476.1	371.3	115.7	62.0	37.3	24.9
0°	2245.8	1458.9	1326.7	1027.5	674.2	518.1	407.5	127.9	67.2	39.0	26.0
-2.5°	2257.3	1456.3	1313.6	1026.2	694.1	534.8	415.2	146.5	82.6	49.5	31.0
-5°	2234.0	1447.9	1291.8	1016.0	709.4	548.1	417.2	163.7	97.3	59.5	35.8
-7.5°	2102.3	1399.8	1249.3	995.9	719.9	557.7	414.3	179.3	111.0	68.9	40.1
-10°	1922.0	1326.8	1181.6	950.6	708.1	556.4	406.8	193.4	123.5	77.3	44.0
-12.5°	1712.0	1252.3	1113.0	902.0	689.4	546.0	393.8	206.2	134.7	84.5	47.2
-15°	1473.6	1177.3	1046.0	851.8	667.4	533.6	379.3	217.2	144.9	91.1	49.7
-17.5°	1216.3	1102.9	982.7	801.5	642.3	519.6	364.1	226.1	153.7	97.4	52.5
-20°	1138.3	1045.3	923.0	752.7	614.5	504.4	349.2	232.6	160.9	102.0	55.1



REPORT NUMBER: P701613 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1093.7	999.3	870.5	714.9	588.1	488.1	335.3	236.8	166.4	105.0	56.5
-25°	1050.2	953.0	820.2	681.8	566.6	464.7	330.2	238.4	170.3	106.2	56.6
-27.5°	1000.7	903.6	770.1	646.2	545.9	445.1	330.4	241.6	172.0	105.5	55.4
-30°	949.3	846.9	726.1	611.6	523.2	421.5	327.5	242.8	170.8	103.7	52.6
-32.5°	907.3	792.1	681.8	584.4	495.8	396.6	315.1	241.7	166.9	100.4	50.6
-35°	856.6	743.2	637.0	555.4	466.0	376.1	298.4	238.3	160.4	95.0	48.1
-37.5°	802.0	694.6	603.5	523.3	435.2	352.8	283.1	222.3	151.0	87.4	44.3
-40°	745.3	648.3	568.7	488.8	405.8	326.8	265.8	202.6	140.1	77.7	39.2
-42.5°	686.1	606.5	528.5	452.7	374.6	305.3	245.8	180.9	123.1	69.0	32.8
-45°	636.4	559.7	484.0	412.2	341.7	281.5	219.4	157.5	104.0	60.2	28.0
-47.5°	581.8	507.2	436.6	368.9	312.5	253.9	190.9	134.6	83.8	49.7	26.6
-50°	520.5	452.0	386.8	330.1	279.2	219.7	161.0	110.1	69.1	36.8	25.0
-52.5°	458.8	395.2	340.6	291.7	238.8	183.1	131.9	85.0	53.8	30.9	23.1
-55°	394.5	343.2	296.9	247.4	195.7	147.6	101.1	67.1	37.8	28.1	21.1
-57.5°	338.8	294.0	247.1	199.2	154.1	111.3	76.3	48.5	31.6	25.1	19.8
-60°	283.1	238.0	193.7	152.8	113.1	80.3	54.8	34.3	28.2	22.4	18.3
-62.5°	220.4	180.4	143.1	106.8	79.0	55.9	36.0	30.4	24.7	20.6	16.7
-65°	160.8	126.9	93.3	72.6	51.8	36.1	31.5	26.4	22.3	18.7	15.3
-67.5°	104.1	82.2	61.3	42.6	35.3	31.2	26.9	23.5	20.1	16.8	14.2
-70°	64.3	45.9	37.4	33.5	29.9	26.4	23.9	21.0	17.9	15.5	13.0
-72.5°	39.2	35.1	31.1	27.7	25.6	23.3	21.1	18.7	16.5	14.2	11.9
-75°	31.3	28.7	26.3	24.2	22.2	20.3	18.7	17.1	15.0	12.9	11.5
-77.5°	26.0	24.1	22.3	20.6	19.1	17.8	16.6	15.4	13.6	12.2	11.3
-80°	21.2	19.8	18.4	17.0	16.0	15.2	14.5	13.7	12.5	11.6	11.0
-82.5°	16.9	15.8	14.8	14.0	13.5	13.0	12.5	11.9	11.3	10.9	10.6
-85°	12.9	12.3	11.9	11.4	11.1	10.8	10.6	10.5	10.3	10.1	10.0
-87.5°	10.1	10.0	10.0	9.9	9.8	9.7	9.7	9.6	9.5	9.4	9.3
-90°	6.5	6.5	6.5	6.5	7.1	7.6	8.2	8.7	8.7	8.7	8.7



REPORT NUMBER: P701613 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
87.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
82.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
80°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
77.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
75°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
72.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
70°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
67.5°	8.8	8.7	8.7	8.7	8.7	8.7	8.7
65°	8.8	8.8	8.7	8.7	8.7	8.7	8.7
62.5°	9.0	8.9	8.7	8.7	8.7	8.7	8.7
60°	9.1	9.1	8.7	8.7	8.7	8.7	8.7
57.5°	9.5	9.3	8.9	8.7	8.7	8.7	8.7
55°	9.9	9.5	9.1	8.7	8.8	8.7	8.7
52.5°	10.3	9.8	9.3	8.7	8.8	8.7	8.7
50°	10.6	10.0	9.6	8.7	8.8	8.7	8.7
47.5°	10.8	10.2	9.8	8.7	8.9	8.7	8.7
45°	11.0	10.4	10.1	8.9	9.0	8.7	8.7
42.5°	11.2	10.6	10.3	9.1	9.0	8.7	8.7
40°	11.5	10.7	10.5	9.4	9.1	8.7	8.7
37.5°	11.7	10.8	10.6	9.6	9.2	8.7	8.7
35°	12.0	10.9	10.7	9.8	9.3	8.7	8.7
32.5°	12.4	11.2	10.7	10.0	9.4	8.7	8.7
30°	12.7	11.4	10.8	10.2	9.5	8.7	8.7
27.5°	13.1	11.7	10.8	10.3	9.6	8.7	8.7
25°	13.5	11.9	10.8	10.4	9.7	8.7	8.7
22.5°	13.9	12.2	10.8	10.5	9.8	8.7	8.7
20°	14.3	12.3	10.8	10.6	9.9	8.7	8.7
17.5°	14.6	12.5	10.8	10.7	10.0	8.7	8.7
15°	14.7	12.6	10.8	10.7	10.1	8.7	8.7
12.5°	14.9	12.7	10.8	10.8	10.3	8.7	8.7
10°	15.0	12.8	10.8	10.8	10.4	8.7	8.7
7.5°	15.1	12.9	10.8	10.8	10.5	8.7	8.7
5°	15.1	13.0	10.8	10.8	10.6	8.7	8.7
2.5°	15.2	13.0	10.8	10.8	10.7	8.7	8.7
0°	15.2	13.0	10.8	10.8	10.7	8.7	8.7
-2.5°	17.2	13.5	11.0	10.8	10.8	8.7	8.7
-5°	19.1	13.9	11.2	10.8	10.8	8.7	8.7
-7.5°	20.9	14.3	11.4	10.8	10.8	8.7	8.7
-10°	22.5	14.7	11.5	10.8	10.7	8.7	8.7
-12.5°	23.9	15.0	11.7	10.8	10.7	8.7	8.7
-15°	24.9	15.2	11.8	10.8	10.7	8.7	8.7
-17.5°	25.7	15.4	11.9	10.8	10.6	8.7	8.7
-20°	26.4	15.5	11.9	10.8	10.5	8.7	8.7



REPORT NUMBER: P701613 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	27.2	15.5	12.0	10.8	10.5	8.7	8.7
-25°	27.4	15.7	12.0	10.8	10.4	8.7	8.7
-27.5°	26.8	15.8	11.9	10.8	10.3	8.7	8.7
-30°	25.4	15.8	11.8	10.8	10.2	8.7	8.7
-32.5°	23.2	15.7	11.9	10.8	10.1	8.7	8.7
-35°	22.3	15.4	11.8	10.8	10.0	8.7	8.7
-37.5°	21.9	15.2	11.7	10.8	9.9	8.7	8.7
-40°	21.4	15.1	11.6	10.8	9.8	8.7	8.7
-42.5°	20.7	14.8	11.5	10.8	9.7	8.7	8.7
-45°	19.7	14.5	11.6	10.8	9.6	8.7	8.7
-47.5°	18.6	14.2	11.5	10.8	9.4	8.7	8.7
-50°	17.9	13.7	11.5	10.7	9.3	8.7	8.7
-52.5°	17.1	13.1	11.4	10.5	9.2	8.7	8.7
-55°	16.3	12.8	11.2	10.3	9.0	8.7	8.7
-57.5°	15.3	12.5	11.0	10.1	8.9	8.7	8.7
-60°	14.3	12.1	10.8	9.9	8.7	8.7	8.7
-62.5°	13.5	11.6	10.6	9.7	8.7	8.7	8.7
-65°	12.7	11.1	10.4	9.5	8.7	8.7	8.7
-67.5°	11.9	10.7	10.2	9.4	8.7	8.7	8.7
-70°	10.9	10.6	10.1	9.2	8.7	8.7	8.7
-72.5°	10.8	10.5	9.9	9.1	8.7	8.7	8.7
-75°	10.8	10.4	9.7	9.1	8.7	8.7	8.7
-77.5°	10.7	10.3	9.6	9.0	8.7	8.7	8.7
-80°	10.8	10.0	9.4	9.0	8.7	8.7	8.7
-82.5°	10.3	9.7	9.2	8.9	8.7	8.7	8.7
-85°	9.8	9.4	9.1	8.8	8.7	8.7	8.7
-87.5°	9.2	9.0	8.9	8.8	8.7	8.7	8.7
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7

(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

