

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: P701468 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-70-3S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701468 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-18)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-40-70-3S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

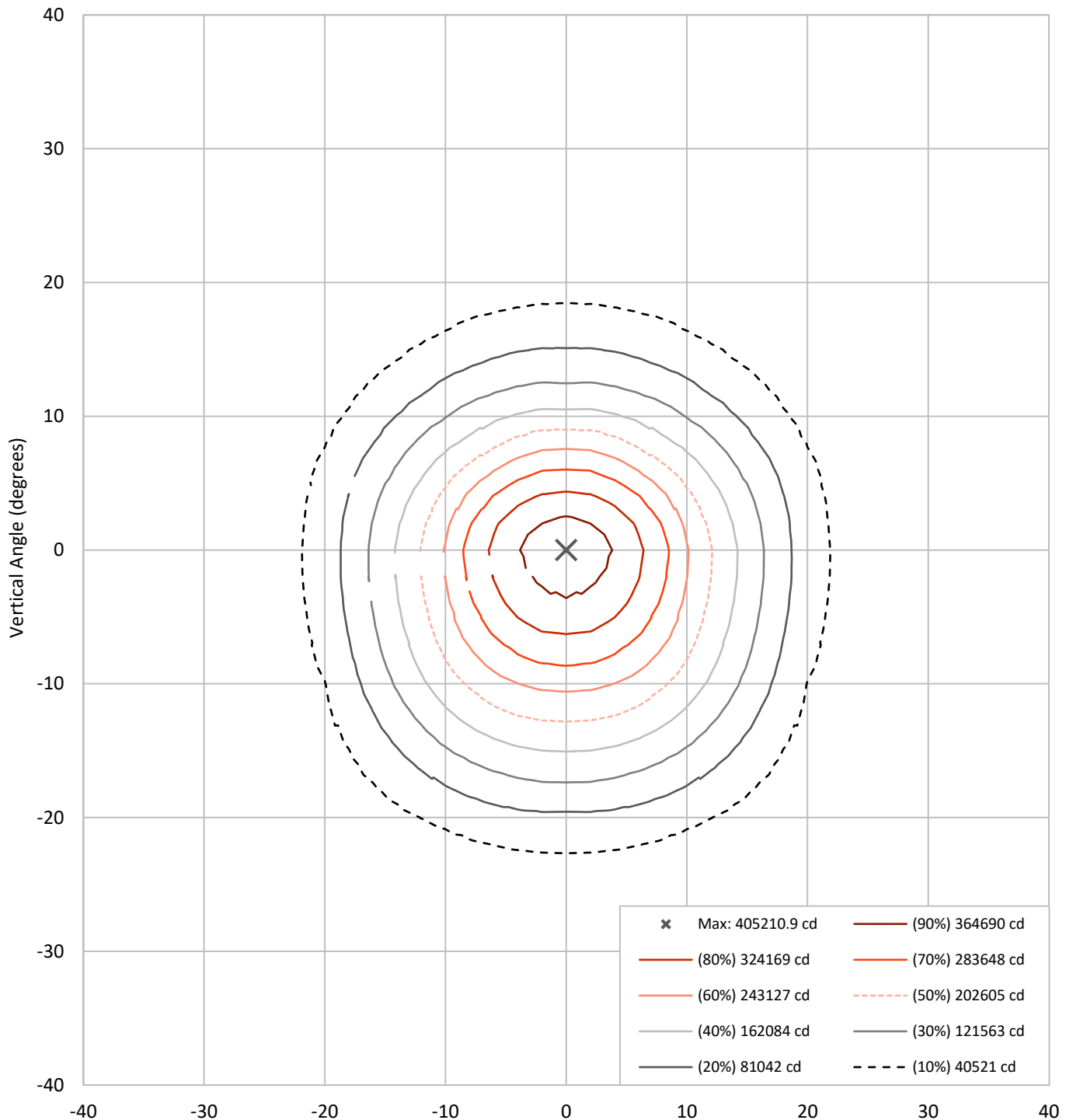
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	79983.8 lumens	Max Intensity:	405210.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	121.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.2°H x 21.8°V	Field Angle (10%):	43.8°H x 40.9°V
Beam Lumens:	36241.8 lumens	Field Lumens:	68584.6 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%

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





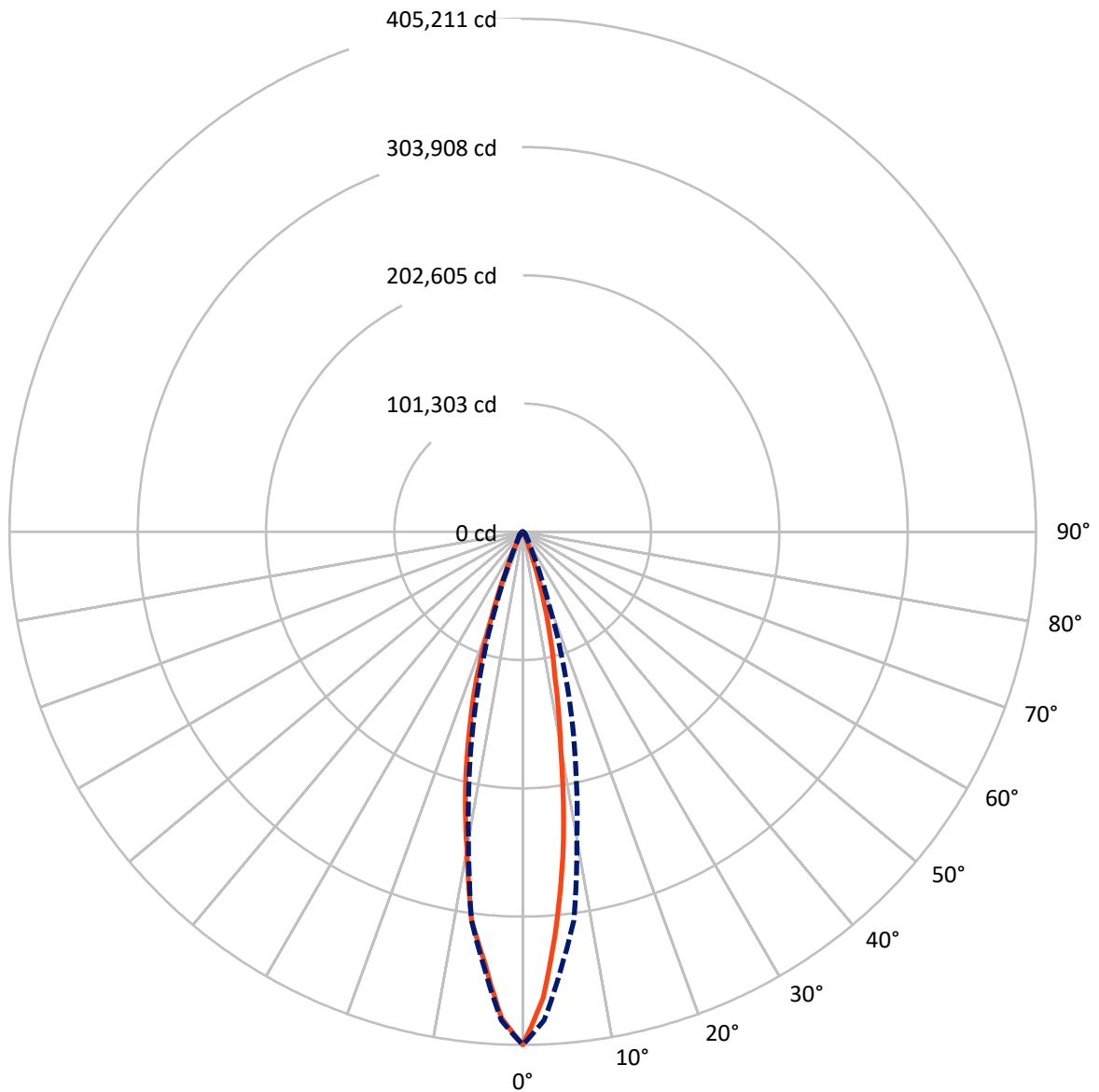
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Lumen Table

90																			
80	0.2	0.6		0.8		0.7		0.5		0.7		0.8		0.6		0.2			
70																			
60	0.3	0.1	0.2	0.6	0.8	0.5	0.3	0.3	0.3	0.3	0.5	0.8	0.6	0.2	0.1	0.3			
50		0.2	0.4	0.7	0.5	0.3	0.3	0.4	0.4	0.3	0.3	0.5	0.7	0.4	0.2				
40	0.3	0.2	0.5	0.6	0.7	1.0	1.3	1.5	1.5	1.3	1.0	0.7	0.6	0.5	0.2	0.3			
30		0.3	1.0	2.2	4.3	6.7	8.5	10.4	10.4	8.5	6.7	4.3	2.2	1.0	0.3				
20	0.3	0.5	3.3	10.6	27.9	47.9	110.0	229.7	229.7	110.0	47.9	27.9	10.6	3.3	0.5	0.3			
10		1.1	7.9	28.3	70.0	192.0	1009.3	2369.9	2369.9	1009.3	192.0	70.0	28.3	7.9	1.1				
0	0.4	2.1	13.9	53.1	128.3	578.1	3484.0	7970.0	7970.0	3484.0	578.1	128.3	53.1	13.9	2.1	0.4			
-10		3.5	18.4	64.2	147.1	623.9	4020.6	9060.2	9060.2	4020.6	623.9	147.1	64.2	18.4	3.5				
-20	0.7	4.1	18.7	61.0	135.1	363.7	2055.8	4501.1	4501.1	2055.8	363.7	135.1	61.0	18.7	4.1	0.7			
-30		3.9	15.6	39.9	93.1	164.1	376.9	768.0	768.0	376.9	164.1	93.1	39.9	15.6	3.9				
-40	0.6	3.3	11.3	24.5	54.0	96.5	133.5	161.5	161.5	133.5	96.5	54.0	24.5	11.3	3.3	0.6			
-50		2.3	7.9	17.2	31.0	53.3	86.5	112.6	112.6	86.5	53.3	31.0	17.2	7.9	2.3				
-60	0.3	1.1	4.8	11.3	20.2	30.5	39.7	45.6	45.6	39.7	30.5	20.2	11.3	4.8	1.1	0.3			
-70		0.4	1.8	5.7	11.4	18.2	25.2	29.3	29.3	25.2	18.2	11.4	5.7	1.8	0.4				
-80	0.3	1.1		4.0		11.0		15.8		11.0		4.0		1.1		0.3			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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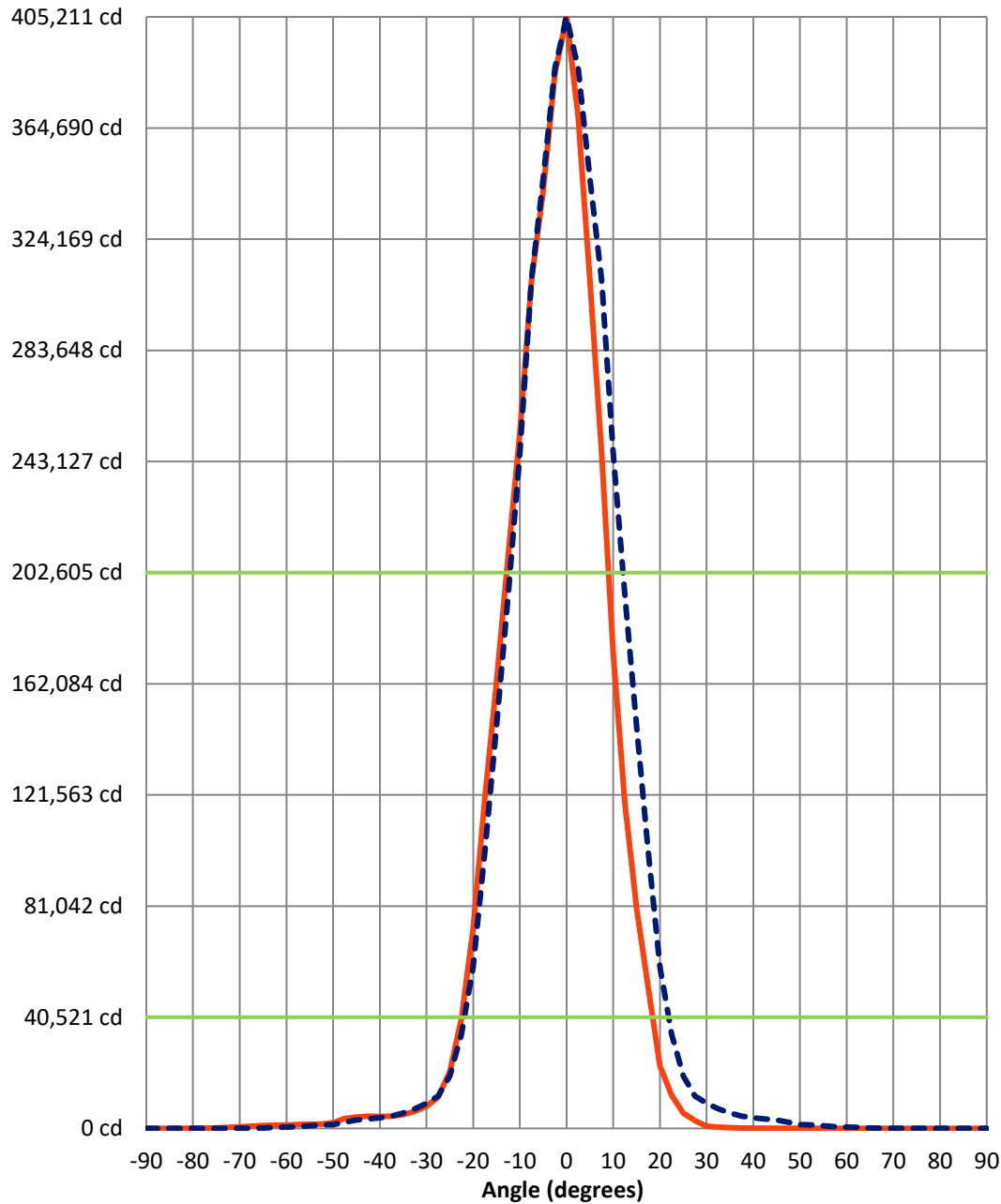
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 24.2°
V Angle: 21.8°
Lumens: 36241.8
Efficiency: 45.3%

Field:
H Angle: 43.8°
V Angle: 40.9°
Lumens: 68584.6
Efficiency: 85.7%

Spill:
Lumens: 11399.2
Efficiency: 14.3%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.9	11.5	12.0	12.5
87.5°	10.4	10.4	10.6	10.6	10.6	10.5	10.4	10.4	10.4	10.4	10.4
85°	10.4	10.5	10.8	10.8	10.8	10.6	10.4	10.4	10.4	10.4	10.4
82.5°	10.4	10.5	10.9	11.0	11.0	10.8	10.4	10.4	10.4	10.5	10.4
80°	10.4	10.6	11.1	11.2	11.1	10.9	10.5	10.7	10.8	10.7	10.4
77.5°	10.4	10.6	11.3	11.4	11.3	11.1	11.0	11.2	11.2	11.0	10.5
75°	10.4	10.7	11.4	11.7	11.5	11.4	11.6	11.7	11.6	11.1	10.6
72.5°	10.4	10.7	11.6	11.9	11.7	11.8	12.1	12.1	11.6	11.1	10.6
70°	10.4	10.7	11.7	12.1	11.9	12.1	12.5	12.2	11.7	11.2	10.7
67.5°	10.4	10.8	11.9	12.2	12.1	12.4	12.5	12.2	11.7	11.3	10.8
65°	10.4	10.8	12.0	12.2	12.2	12.5	12.5	12.3	11.8	11.3	11.0
62.5°	10.4	10.8	12.1	12.3	12.4	12.5	12.5	12.4	11.9	11.5	11.7
60°	10.4	10.9	12.2	12.3	12.5	12.5	12.5	12.4	12.0	11.9	12.3
57.5°	10.4	10.9	12.2	12.4	12.5	12.5	12.5	12.5	12.2	12.3	12.5
55°	10.4	10.9	12.2	12.4	12.5	12.5	12.5	12.5	12.3	12.5	12.5
52.5°	10.4	10.9	12.2	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
50°	10.4	10.9	12.1	12.5	12.5	12.5	12.5	12.6	12.5	12.5	13.4
47.5°	10.4	10.9	12.1	12.5	12.5	12.5	12.5	12.8	12.5	12.5	14.4
45°	10.4	10.9	12.1	12.5	12.5	12.5	12.7	13.0	12.6	13.2	15.2
42.5°	10.4	10.9	12.1	12.5	12.5	12.5	12.9	13.1	12.7	13.7	15.9
40°	10.4	10.9	12.1	12.5	12.5	12.5	13.1	13.2	13.0	14.2	16.5
37.5°	10.4	10.9	12.2	12.5	12.5	12.5	13.4	13.4	13.7	14.9	16.8
35°	10.4	10.9	12.2	12.5	12.5	12.6	13.7	13.5	14.2	15.8	16.9
32.5°	10.4	10.9	12.2	12.5	12.5	12.9	13.9	13.6	14.8	16.8	18.4
30°	10.4	10.9	12.2	12.5	12.5	13.1	14.0	13.8	15.4	17.9	20.3
27.5°	10.4	10.8	12.2	12.5	12.5	13.3	14.2	14.3	16.0	19.0	22.6
25°	10.4	10.8	12.3	12.5	12.5	13.6	14.3	14.7	17.0	20.7	25.4
22.5°	10.4	10.8	12.3	12.5	12.5	13.8	14.4	15.2	17.9	22.8	31.0
20°	10.4	10.7	12.3	12.5	12.5	14.0	14.6	15.5	18.9	25.0	36.4
17.5°	10.4	10.7	12.4	12.5	12.5	14.1	14.7	15.9	19.9	27.4	41.5
15°	10.4	10.7	12.4	12.5	12.5	14.2	14.9	16.3	20.9	29.9	46.5
12.5°	10.4	10.6	12.4	12.5	12.5	14.3	15.2	16.8	22.7	32.5	51.1
10°	10.4	10.6	12.4	12.5	12.5	14.4	15.5	17.3	25.2	37.5	59.2
7.5°	10.4	10.5	12.5	12.5	12.5	14.5	15.8	17.7	27.9	42.9	75.9
5°	10.4	10.5	12.5	12.5	12.5	14.6	16.1	18.1	30.5	48.3	93.3
2.5°	10.4	10.4	12.5	12.5	12.5	14.6	16.4	18.5	33.1	53.5	110.7
0°	10.4	10.4	12.5	12.5	12.5	14.6	16.4	18.5	33.1	53.5	110.7
-2.5°	10.4	10.4	12.5	12.5	12.5	14.6	16.4	18.5	33.1	53.5	110.7
-5°	10.4	10.4	12.5	12.5	12.5	14.6	19.9	31.0	58.2	96.0	180.3
-7.5°	10.4	10.4	12.5	12.5	12.5	14.5	21.3	36.5	68.5	113.2	203.6
-10°	10.4	10.4	12.4	12.5	12.5	14.4	22.5	41.5	77.8	128.9	224.1
-12.5°	10.4	10.4	12.4	12.5	12.5	14.3	23.5	45.7	86.0	142.6	238.4
-15°	10.4	10.4	12.4	12.5	12.5	14.2	24.1	49.0	93.3	153.6	248.4
-17.5°	10.4	10.4	12.3	12.5	12.5	14.1	24.4	52.1	99.8	162.9	255.5
-20°	10.4	10.4	12.2	12.5	12.5	14.0	24.7	54.7	104.6	170.3	259.7



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	10.4	10.4	12.2	12.5	12.5	13.8	25.4	56.1	107.4	175.6	260.7
-25°	10.4	10.4	12.1	12.5	12.5	14.0	25.5	56.1	108.3	178.8	258.4
-27.5°	10.4	10.4	12.0	12.5	12.5	14.3	24.8	54.7	107.0	179.7	260.8
-30°	10.4	10.4	11.9	12.5	12.5	14.5	23.3	51.7	104.7	177.9	260.7
-32.5°	10.4	10.4	11.8	12.5	12.7	14.5	21.1	49.5	101.1	173.0	257.7
-35°	10.4	10.4	11.7	12.5	12.9	14.3	20.2	46.8	95.3	165.1	251.8
-37.5°	10.4	10.4	11.6	12.5	13.0	14.2	20.0	42.8	87.2	154.0	233.1
-40°	10.4	10.4	11.5	12.5	13.1	14.3	19.6	37.7	76.9	142.1	211.7
-42.5°	10.4	10.4	11.4	12.5	13.2	14.5	18.8	31.2	68.0	125.1	188.9
-45°	10.4	10.4	11.3	12.6	13.3	14.6	17.9	26.3	59.1	106.2	165.1
-47.5°	10.4	10.4	11.1	12.6	13.4	14.6	16.6	24.8	48.6	86.0	142.2
-50°	10.4	10.4	11.0	12.5	13.4	14.6	16.4	23.0	36.1	71.7	117.7
-52.5°	10.4	10.4	10.9	12.3	13.4	14.6	16.4	20.7	30.1	56.3	92.6
-55°	10.4	10.4	10.7	12.1	13.4	14.6	16.2	18.4	26.9	39.9	73.8
-57.5°	10.4	10.4	10.6	12.0	13.3	14.5	16.1	18.1	23.3	32.8	53.9
-60°	10.4	10.4	10.4	11.8	13.3	14.3	15.8	17.8	20.2	28.1	38.0
-62.5°	10.4	10.4	10.4	11.6	13.0	14.2	15.6	17.3	19.4	23.1	32.1
-65°	10.4	10.4	10.4	11.3	12.7	14.0	15.2	16.7	18.5	21.0	25.7
-67.5°	10.4	10.4	10.4	11.1	12.4	13.7	14.9	16.1	17.5	19.6	22.4
-70°	10.4	10.4	10.4	10.9	12.1	13.3	14.5	15.5	16.6	18.1	20.4
-72.5°	10.4	10.4	10.4	10.8	11.8	12.9	14.0	14.8	15.7	16.8	18.3
-75°	10.4	10.4	10.4	10.8	11.4	12.5	13.5	14.1	14.7	15.6	16.7
-77.5°	10.4	10.4	10.4	10.7	11.3	12.1	13.0	13.5	14.0	14.4	15.0
-80°	10.4	10.4	10.4	10.7	11.1	11.7	12.5	12.9	13.3	13.6	13.9
-82.5°	10.4	10.4	10.4	10.6	10.9	11.4	12.0	12.3	12.5	12.8	13.1
-85°	10.4	10.4	10.4	10.5	10.8	11.1	11.5	11.9	12.2	12.4	12.5
-87.5°	10.4	10.4	10.4	10.5	10.6	10.7	10.9	11.4	11.8	12.2	12.5
-90°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4



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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°	12.0	11.5	10.9	10.4	10.4	10.4	10.4	10.4	9.9	9.4	8.8
87.5°	9.9	9.4	8.8	8.3	8.3	8.3	8.3	8.3	7.8	7.3	6.8
85°	9.9	9.4	9.0	8.6	8.6	8.6	8.5	8.3	7.8	7.3	6.8
82.5°	10.1	9.9	9.8	9.8	9.6	9.3	8.9	8.4	7.8	7.3	6.8
80°	10.3	10.4	10.4	10.4	10.0	9.4	8.9	8.4	7.9	7.4	6.9
77.5°	10.4	10.4	10.4	10.4	10.0	9.5	9.0	8.4	7.9	7.4	6.9
75°	10.4	10.4	10.4	10.4	10.1	9.6	9.1	8.9	8.8	8.7	8.5
72.5°	10.4	10.4	10.4	10.4	10.2	10.0	10.0	10.2	10.6	10.8	10.6
70°	10.4	10.4	10.6	10.6	10.4	10.6	11.5	12.7	13.7	14.7	17.3
67.5°	10.5	11.0	11.1	11.0	11.2	12.3	13.6	19.2	26.0	29.1	30.8
65°	11.4	11.8	11.7	11.9	12.4	16.4	22.6	30.6	39.4	41.4	41.2
62.5°	12.3	12.2	12.3	13.5	16.8	22.3	30.7	40.0	49.8	47.9	41.4
60°	12.5	12.4	13.9	17.0	21.3	28.8	38.4	43.1	46.2	46.0	37.9
57.5°	12.5	13.6	16.5	20.8	27.1	33.4	35.5	38.2	40.4	41.6	32.7
55°	13.0	15.4	19.2	25.0	29.9	29.2	30.3	32.1	33.5	31.6	23.5
52.5°	14.4	17.2	22.1	27.4	28.4	26.2	24.6	25.9	24.8	21.5	17.8
50°	15.7	19.3	24.4	27.7	27.1	23.6	20.4	20.9	19.9	17.4	15.2
47.5°	17.1	21.1	26.2	28.4	25.4	23.1	20.4	19.6	18.6	19.3	18.3
45°	18.3	22.6	28.0	27.4	25.6	24.8	23.6	20.7	23.9	25.1	24.7
42.5°	19.3	23.7	27.9	26.9	28.5	29.2	28.7	29.9	31.8	34.7	35.9
40°	19.9	24.4	29.0	32.0	32.9	35.7	39.6	42.7	43.8	48.0	50.8
37.5°	20.2	26.7	33.2	41.2	40.2	46.1	52.6	63.9	67.3	63.3	71.1
35°	20.2	30.2	44.7	55.7	57.2	59.8	76.6	93.7	104.3	93.9	103.5
32.5°	22.4	34.9	59.2	74.8	85.9	88.7	105.4	140.6	158.7	161.3	162.2
30°	27.6	48.4	77.1	97.5	122.9	143.4	159.5	200.0	228.9	300.6	358.5
27.5°	34.3	64.7	98.7	131.6	169.6	207.6	245.9	277.8	371.3	506.1	656.3
25°	40.9	88.2	122.7	173.6	231.4	286.9	338.3	381.9	564.4	840.6	1025.3
22.5°	53.8	116.0	157.2	220.3	299.6	372.4	436.0	551.1	806.4	1215.2	1413.9
20°	74.7	145.5	199.7	276.4	375.8	460.8	535.3	727.9	1100.4	1483.8	1730.3
17.5°	97.6	176.4	245.9	347.2	474.2	568.3	644.7	899.8	1385.5	1751.8	2003.0
15°	121.8	208.1	291.5	424.2	582.1	698.8	853.6	1167.2	1637.3	2014.9	2323.0
12.5°	146.6	240.3	336.2	505.4	696.7	830.6	1108.4	1563.3	1982.8	2312.0	2773.0
10°	171.4	272.2	379.4	588.6	815.3	962.4	1388.7	1954.7	2360.1	2698.8	3228.9
7.5°	219.7	317.2	425.9	671.3	934.8	1093.0	1682.5	2335.7	2713.5	3058.2	3616.8
5°	271.8	375.1	498.1	774.3	1053.3	1210.7	1955.6	2698.8	3044.9	3391.9	3945.9
2.5°	322.3	430.8	567.8	874.2	1164.6	1306.4	2118.8	2900.5	3259.8	3651.2	4225.7
0°	369.3	484.0	634.2	965.9	1266.4	1395.7	2251.1	3071.0	3440.2	3867.9	4470.8
-2.5°	407.1	536.0	696.5	1018.0	1301.7	1446.5	2278.2	3133.7	3533.5	3991.5	4588.5
-5°	438.7	584.4	753.9	1061.1	1329.1	1491.3	2272.7	3155.9	3611.7	4085.2	4695.7
-7.5°	463.4	628.2	805.9	1092.2	1343.4	1512.7	2266.0	3185.7	3697.4	4149.1	4782.6
-10°	477.1	646.2	817.0	1087.9	1339.8	1517.4	2216.5	3167.8	3767.4	4195.5	4809.7
-12.5°	462.8	640.5	814.2	1074.1	1330.4	1516.5	2108.8	3099.0	3823.2	4227.2	4758.3
-15°	446.1	631.1	803.0	1050.9	1315.9	1510.1	1937.2	2977.2	3795.2	4111.5	4607.5
-17.5°	427.8	618.0	782.8	1018.1	1296.8	1498.2	1685.7	2668.1	3508.4	3913.8	4444.3
-20°	408.9	601.3	753.0	975.8	1269.6	1440.6	1567.3	2277.3	3098.5	3670.0	4159.0



REPORT NUMBER: P701468 (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°	390.2	580.9	721.2	936.7	1171.5	1345.4	1479.9	1878.6	2674.0	3368.3	3733.0
-25°	380.2	551.3	694.6	864.8	1067.1	1247.6	1378.5	1520.3	2230.3	2897.5	3356.6
-27.5°	375.5	524.5	655.2	793.1	968.0	1144.2	1269.1	1402.8	1793.0	2423.3	2973.8
-30°	366.9	487.9	614.0	728.4	883.8	1036.3	1158.9	1296.9	1453.8	1963.0	2471.4
-32.5°	346.4	450.7	571.0	681.0	805.1	938.4	1074.3	1209.2	1343.6	1528.8	1994.8
-35°	322.3	419.6	527.9	632.4	731.1	859.1	994.7	1127.6	1241.6	1360.0	1617.9
-37.5°	302.9	386.1	485.4	584.3	677.5	786.9	911.9	1040.9	1157.4	1264.3	1411.3
-40°	281.5	350.1	445.2	538.8	626.4	720.6	832.0	948.4	1068.6	1193.5	1308.5
-42.5°	258.0	324.3	403.6	493.9	576.1	662.7	751.9	859.6	977.8	1109.7	1228.9
-45°	231.3	296.7	361.9	444.9	523.9	603.6	687.0	772.2	888.3	1006.8	1131.6
-47.5°	203.1	266.8	329.4	395.8	471.0	543.8	620.2	707.3	798.4	906.7	1016.9
-50°	174.0	234.4	295.1	355.3	419.6	485.5	552.9	641.0	727.6	812.4	906.9
-52.5°	144.8	200.5	258.4	316.2	373.4	432.8	497.2	574.8	656.5	736.0	814.5
-55°	113.8	165.7	219.9	274.8	329.4	383.3	445.9	514.7	585.6	661.3	734.3
-57.5°	87.7	129.1	179.2	231.5	283.0	335.7	397.1	456.3	520.6	587.5	653.0
-60°	63.8	95.8	135.9	184.3	234.6	286.2	346.9	405.6	460.7	514.1	575.6
-62.5°	42.1	67.0	97.2	133.7	179.4	231.2	285.6	343.5	405.8	454.6	502.7
-65°	34.6	42.7	63.4	91.8	122.0	166.1	215.6	269.2	323.2	371.8	423.1
-67.5°	26.8	34.4	41.6	52.4	78.5	107.7	138.8	183.2	230.2	271.0	312.4
-70°	23.3	26.8	32.9	39.2	45.4	57.4	83.0	110.2	137.2	163.3	197.1
-72.5°	20.6	23.6	26.8	30.3	35.6	41.2	47.1	53.4	68.6	88.7	107.5
-75°	18.3	20.4	23.0	25.9	28.7	31.4	34.6	39.5	44.5	49.1	53.6
-77.5°	16.4	18.0	19.8	21.7	23.5	25.7	27.9	30.3	32.6	35.0	37.7
-80°	14.6	15.5	16.9	18.4	19.3	20.3	21.6	23.1	24.4	25.7	27.2
-82.5°	13.5	14.0	14.7	15.5	15.6	15.5	15.4	15.9	16.8	17.7	18.5
-85°	12.5	12.5	12.8	13.1	13.3	13.4	13.4	13.4	13.2	13.1	13.1
-87.5°	12.2	12.0	11.8	11.6	11.7	11.7	11.8	11.9	11.4	11.0	10.5
-90°	9.9	9.4	8.8	8.3	8.3	8.3	8.3	8.3	7.8	7.3	6.8



REPORT NUMBER: P701468 (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°	8.3	8.3	8.3	8.3	8.3	8.8	9.4	9.9	10.4	12.0	13.6
87.5°	6.3	5.8	5.3	4.7	4.2	3.7	3.2	2.6	2.1	2.1	2.1
85°	6.3	5.8	5.3	4.7	4.2	3.7	3.2	2.6	2.1	2.1	2.1
82.5°	6.3	6.1	5.9	5.8	5.7	5.3	4.9	4.5	4.0	3.6	3.1
80°	6.4	6.3	6.3	6.3	6.3	5.8	5.3	4.8	4.2	3.7	3.2
77.5°	6.6	6.6	6.7	6.6	6.4	5.9	5.3	4.8	4.3	3.7	3.2
75°	8.3	8.1	7.7	7.2	6.5	5.9	5.4	4.8	4.3	4.1	4.1
72.5°	10.2	9.7	9.3	9.8	9.7	9.4	9.2	8.5	7.7	7.6	7.9
70°	19.1	20.0	20.1	19.1	17.1	15.3	13.9	12.3	10.5	10.0	10.1
67.5°	30.4	28.9	27.2	24.8	21.3	18.1	16.2	14.4	12.6	12.0	12.2
65°	37.9	31.4	27.0	23.4	20.6	18.1	16.1	14.1	12.1	10.9	10.7
62.5°	34.6	27.1	22.4	19.6	17.7	16.1	13.5	11.5	9.8	9.0	9.3
60°	29.8	21.8	16.9	14.6	12.5	10.5	9.6	8.9	8.5	8.3	8.4
57.5°	23.6	16.5	12.4	11.5	10.4	9.0	8.5	8.7	8.6	8.3	8.3
55°	17.3	14.1	12.5	11.9	11.4	10.7	10.3	10.1	9.9	9.6	9.9
52.5°	14.0	14.0	14.2	14.0	13.5	12.9	12.3	12.4	12.6	12.9	13.5
50°	15.5	16.0	16.4	16.2	15.7	15.1	14.5	15.1	16.1	16.9	17.6
47.5°	18.1	18.8	19.9	18.5	18.7	19.9	19.1	19.4	22.5	24.4	25.7
45°	23.0	26.6	27.5	28.4	28.7	30.8	31.8	32.5	38.5	41.0	41.2
42.5°	36.6	40.1	42.9	45.6	45.2	52.0	61.1	66.2	65.9	64.9	66.0
40°	55.4	59.1	67.6	74.0	84.0	92.8	93.4	84.8	85.8	95.7	96.5
37.5°	83.1	94.8	111.6	130.3	135.3	129.6	133.0	139.2	145.7	154.9	165.5
35°	132.5	171.3	179.1	193.5	202.9	193.6	197.2	213.8	214.0	243.5	259.6
32.5°	235.0	294.7	313.0	300.1	325.1	340.2	293.8	352.2	363.4	393.7	430.8
30°	383.3	507.4	545.8	527.9	595.6	617.0	576.0	693.6	762.7	761.3	935.8
27.5°	728.4	790.3	862.4	972.3	986.5	1023.2	1255.1	1434.6	1662.3	1877.6	2157.2
25°	1114.4	1149.6	1355.9	1491.9	1558.9	1804.1	2147.8	2428.2	2911.5	3362.6	4301.5
22.5°	1470.0	1601.3	1853.1	2070.7	2315.1	2709.9	3184.0	3704.3	4988.5	6568.4	8550.8
20°	1818.8	1991.7	2292.4	2683.8	3074.1	3611.1	4241.3	5889.8	8414.9	12241.9	16378.0
17.5°	2212.6	2378.9	2788.8	3341.5	3935.4	4740.3	6673.6	9823.2	15185.5	22672.3	29894.9
15°	2723.9	3010.0	3463.6	4280.2	5416.8	7313.9	10465.5	18234.1	28939.8	40582.6	53064.9
12.5°	3322.0	3793.7	4532.1	5587.3	7224.0	11705.6	19626.0	32100.6	48098.9	64450.9	84966.3
10°	3901.2	4690.1	5820.1	7482.8	10738.7	17801.9	29602.0	47605.8	72118.4	97400.9	120058.0
7.5°	4409.7	5453.7	6974.1	9304.6	14473.4	24681.6	41657.1	66744.6	97298.0	128540.6	159007.4
5°	4929.1	6170.4	7942.4	10668.9	16750.9	29661.5	51450.8	84265.8	121180.1	159020.7	198785.6
2.5°	5355.5	6772.1	8750.7	11800.0	18096.8	32337.8	57524.1	96469.2	139120.6	182442.5	231923.0
0°	5612.0	7145.4	9150.3	11835.3	19153.9	34446.1	59024.3	100789.0	146694.9	194326.1	246113.2
-2.5°	5620.0	7067.7	8955.5	11723.1	18927.6	33869.7	59129.0	100681.3	146287.5	192160.9	243266.4
-5°	5602.5	6890.5	8663.4	11320.4	17573.6	30863.0	54592.8	94158.2	139078.5	182491.8	229040.1
-7.5°	5575.7	6656.3	8248.6	10676.5	15840.8	27233.8	49368.0	85587.1	127969.3	168406.7	210075.3
-10°	5544.8	6413.8	7866.7	10124.1	14271.0	22917.0	39713.2	72698.0	111577.3	148892.1	183061.4
-12.5°	5518.2	6314.3	7559.1	9363.0	12362.7	19203.7	33528.3	59410.5	90895.1	122403.4	152672.1
-15°	5416.3	6182.4	7308.1	8797.8	11229.8	16014.1	25029.2	42919.7	68772.9	93662.6	117690.4
-17.5°	5207.7	5994.7	6703.0	7862.7	9616.9	12736.8	18643.3	29423.7	46023.5	65479.6	82430.9
-20°	4799.1	5338.6	5926.1	6911.1	8261.2	9903.7	12597.4	18740.1	26632.9	39323.8	48211.6



REPORT NUMBER: P701468 (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°	4192.5	4646.2	5140.6	5796.8	6746.2	7905.4	9342.7	11613.6	15732.2	20623.6	26029.7
-25°	3639.2	3965.3	4423.3	4987.1	5495.2	6251.4	7258.7	8139.7	9918.7	11357.7	14331.1
-27.5°	3219.8	3490.9	3905.7	4343.0	4718.0	5123.2	5824.1	6446.9	7312.5	8068.1	9276.8
-30°	2916.5	3194.2	3527.7	3859.1	4215.4	4558.8	4872.6	5344.8	5863.9	6356.8	6996.2
-32.5°	2542.1	2980.3	3221.7	3502.0	3818.9	4119.4	4358.6	4657.2	4942.9	5269.5	5620.2
-35°	2150.9	2629.7	3000.3	3215.7	3451.0	3738.0	3983.2	4187.4	4376.7	4579.5	4764.7
-37.5°	1690.3	2219.3	2641.5	2960.3	3175.2	3375.5	3638.4	3834.8	3960.0	4128.0	4254.7
-40°	1452.8	1664.6	2144.4	2577.6	2854.6	3170.1	3414.8	3622.7	3852.0	4030.9	4134.1
-42.5°	1337.0	1459.8	1587.5	1941.4	2374.8	2753.6	3069.1	3410.9	3717.7	3961.6	4188.6
-45°	1247.4	1334.7	1425.7	1543.1	1664.5	2018.9	2407.8	2807.6	3165.6	3500.2	3787.3
-47.5°	1128.1	1230.2	1313.2	1387.4	1462.0	1570.9	1687.3	1849.5	2193.6	2542.5	2875.1
-50°	1005.1	1099.1	1190.8	1276.9	1346.8	1401.6	1445.7	1517.2	1620.9	1724.1	1825.4
-52.5°	889.3	976.6	1059.7	1143.1	1224.9	1297.4	1361.6	1412.2	1453.8	1489.3	1513.3
-55°	806.5	875.2	939.8	1019.4	1098.0	1170.9	1238.5	1300.6	1357.2	1408.7	1444.2
-57.5°	720.4	787.7	854.6	921.6	986.5	1049.2	1112.3	1173.7	1231.4	1283.8	1318.9
-60°	635.1	692.6	759.0	828.2	892.9	953.4	1012.0	1067.1	1118.4	1162.5	1190.9
-62.5°	554.6	609.0	666.3	728.4	794.0	857.9	916.6	972.4	1025.2	1068.0	1095.5
-65°	473.3	519.0	568.0	619.3	672.5	726.9	782.8	839.8	897.2	943.2	973.4
-67.5°	355.5	401.3	449.5	499.7	544.9	586.5	626.7	668.2	710.3	745.2	772.6
-70°	231.3	265.4	299.0	333.3	370.9	409.0	445.4	479.6	511.3	536.6	557.2
-72.5°	125.0	141.5	160.1	186.3	211.4	236.7	261.8	285.4	307.4	324.0	336.9
-75°	57.9	65.5	79.6	92.6	104.6	116.9	128.8	139.7	149.6	156.7	162.1
-77.5°	41.1	44.5	47.8	51.2	54.6	59.3	64.2	69.1	73.8	78.4	82.8
-80°	28.9	30.8	32.7	34.4	36.1	38.8	41.6	44.5	47.3	50.2	53.0
-82.5°	19.3	20.6	21.8	23.0	24.1	25.7	27.2	28.7	30.2	32.5	34.9
-85°	13.1	13.6	14.2	14.9	15.5	16.8	18.0	19.2	20.4	22.1	23.8
-87.5°	10.0	10.1	10.1	10.2	10.2	11.2	12.3	13.4	14.5	16.1	17.7
-90°	6.3	5.8	5.3	4.7	4.2	3.7	3.2	2.6	2.1	1.6	1.1



REPORT NUMBER: P701468 (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°	15.1	16.7	17.8	18.8	17.8	16.7	15.1	13.6	12.0	10.4	9.9
87.5°	2.1	2.1	1.0	0.0	1.0	2.1	2.1	2.1	2.1	2.1	2.6
85°	2.1	2.1	1.1	0.0	1.1	2.1	2.1	2.1	2.1	2.1	2.6
82.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.0	4.5
80°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.2	3.7	4.2	4.8
77.5°	2.7	2.1	2.1	2.1	2.1	2.1	2.7	3.2	3.7	4.3	4.8
75°	4.1	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.3	4.8
72.5°	8.0	8.2	8.3	8.3	8.3	8.2	8.0	7.9	7.6	7.7	8.5
70°	10.3	10.3	10.4	10.4	10.4	10.3	10.3	10.1	10.0	10.5	12.3
67.5°	12.3	12.4	12.5	12.5	12.5	12.4	12.3	12.2	12.0	12.6	14.4
65°	10.6	10.5	10.4	10.4	10.4	10.5	10.6	10.7	10.9	12.1	14.1
62.5°	9.8	10.3	10.4	10.4	10.4	10.3	9.8	9.3	9.0	9.8	11.5
60°	8.5	8.4	8.3	8.3	8.3	8.4	8.5	8.4	8.3	8.5	8.9
57.5°	8.3	8.3	9.1	10.4	9.1	8.3	8.3	8.3	8.3	8.6	8.7
55°	10.1	10.3	11.2	12.5	11.2	10.3	10.1	9.9	9.6	9.9	10.1
52.5°	14.0	14.3	14.5	14.6	14.5	14.3	14.0	13.5	12.9	12.6	12.4
50°	18.1	18.5	18.7	18.8	18.7	18.5	18.1	17.6	16.9	16.1	15.1
47.5°	26.5	26.8	26.9	27.1	26.9	26.8	26.5	25.7	24.4	22.5	19.4
45°	42.6	43.2	43.4	43.8	43.4	43.2	42.6	41.2	41.0	38.5	32.5
42.5°	68.7	69.8	69.7	68.8	69.7	69.8	68.7	66.0	64.9	65.9	66.2
40°	98.0	98.0	96.9	96.0	96.9	98.0	98.0	96.5	95.7	85.8	84.8
37.5°	170.5	164.3	153.4	148.1	153.4	164.3	170.5	165.5	154.9	145.7	139.2
35°	263.8	267.8	268.8	267.0	268.8	267.8	263.8	259.6	243.5	214.0	213.8
32.5°	441.2	462.3	469.2	481.9	469.2	462.3	441.2	430.8	393.7	363.4	352.2
30°	908.3	902.0	822.9	788.6	822.9	902.0	908.3	935.8	761.3	762.7	693.6
27.5°	2447.0	2728.6	2862.9	2851.9	2862.9	2728.6	2447.0	2157.2	1877.6	1662.3	1434.6
25°	5039.4	5492.2	5792.4	5595.3	5792.4	5492.2	5039.4	4301.5	3362.6	2911.5	2428.2
22.5°	10397.1	11384.1	11921.9	12114.9	11921.9	11384.1	10397.1	8550.8	6568.4	4988.5	3704.3
20°	20835.6	22699.1	24060.1	22923.8	24060.1	22699.1	20835.6	16378.0	12241.9	8414.9	5889.8
17.5°	38681.3	44478.2	49606.4	51209.2	49606.4	44478.2	38681.3	29894.9	22672.3	15185.5	9823.2
15°	65098.8	74888.8	80707.9	80368.7	80707.9	74888.8	65098.8	53064.9	40582.6	28939.8	18234.1
12.5°	100161.9	112243.2	120304.3	118511.7	120304.3	112243.2	100161.9	84966.3	64450.9	48098.9	32100.6
10°	142292.9	160592.3	173888.2	173275.9	173888.2	160592.3	142292.9	120058.0	97400.9	72118.4	47605.8
7.5°	185973.4	216014.4	242088.6	246476.2	242088.6	216014.4	185973.4	159007.4	128540.6	97298.0	66744.6
5°	242303.0	281898.1	307792.3	309272.5	307792.3	281898.1	242303.0	198785.6	159020.7	121180.1	84265.8
2.5°	287995.7	333417.9	355270.5	368510.6	355270.5	333417.9	287995.7	231923.0	182442.5	139120.6	96469.2
0°	309402.8	346328.5	386281.2	405210.9	386281.2	346328.5	309402.8	246113.2	194326.1	146694.9	100789.0
-2.5°	300620.4	340188.9	364160.8	384223.2	364160.8	340188.9	300620.4	243266.4	192160.9	146287.5	100681.3
-5°	280702.4	319908.4	340018.9	341895.2	340018.9	319908.4	280702.4	229040.1	182491.8	139078.5	94158.2
-7.5°	248185.8	281430.4	302544.4	309113.9	302544.4	281430.4	248185.8	210075.3	168406.7	127969.3	85587.1
-10°	213629.2	237537.3	251182.8	253799.0	251182.8	237537.3	213629.2	183061.4	148892.1	111577.3	72698.0
-12.5°	177702.2	197275.8	206691.4	208748.4	206691.4	197275.8	177702.2	152672.1	122403.4	90895.1	59410.5
-15°	137904.2	152632.9	161110.6	162585.9	161110.6	152632.9	137904.2	117690.4	93662.6	68772.9	42919.7
-17.5°	98433.4	110401.6	118989.6	120130.6	118989.6	110401.6	98433.4	82430.9	65479.6	46023.5	29423.7
-20°	60467.4	68610.6	73634.7	72897.9	73634.7	68610.6	60467.4	48211.6	39323.8	26632.9	18740.1



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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°	32554.8	36944.3	39067.5	40164.5	39067.5	36944.3	32554.8	26029.7	20623.6	15732.2	11613.6
-25°	17208.4	19067.4	20021.3	20768.7	20021.3	19067.4	17208.4	14331.1	11357.7	9918.7	8139.7
-27.5°	10239.1	10878.5	11233.5	11428.5	11233.5	10878.5	10239.1	9276.8	8068.1	7312.5	6446.9
-30°	7506.3	7812.6	7974.4	8055.0	7974.4	7812.6	7506.3	6996.2	6356.8	5863.9	5344.8
-32.5°	5901.6	6083.4	6195.2	6235.8	6195.2	6083.4	5901.6	5620.2	5269.5	4942.9	4657.2
-35°	4895.6	4956.5	4978.3	5017.4	4978.3	4956.5	4895.6	4764.7	4579.5	4376.7	4187.4
-37.5°	4351.2	4407.8	4435.4	4458.3	4435.4	4407.8	4351.2	4254.7	4128.0	3960.0	3834.8
-40°	4181.8	4241.8	4303.4	4347.8	4303.4	4241.8	4181.8	4134.1	4030.9	3852.0	3622.7
-42.5°	4287.7	4385.8	4453.2	4462.5	4453.2	4385.8	4287.7	4188.6	3961.6	3717.7	3410.9
-45°	3950.3	4062.1	4123.0	4143.3	4123.0	4062.1	3950.3	3787.3	3500.2	3165.6	2807.6
-47.5°	3169.9	3425.3	3577.8	3611.3	3577.8	3425.3	3169.9	2875.1	2542.5	2193.6	1849.5
-50°	1923.9	2014.9	2064.9	2071.6	2064.9	2014.9	1923.9	1825.4	1724.1	1620.9	1517.2
-52.5°	1532.4	1548.6	1558.7	1564.7	1558.7	1548.6	1532.4	1513.3	1489.3	1453.8	1412.2
-55°	1475.3	1502.6	1518.0	1525.1	1518.0	1502.6	1475.3	1444.2	1408.7	1357.2	1300.6
-57.5°	1350.4	1378.0	1390.4	1393.6	1390.4	1378.0	1350.4	1318.9	1283.8	1231.4	1173.7
-60°	1216.9	1240.3	1247.7	1247.6	1247.7	1240.3	1216.9	1190.9	1162.5	1118.4	1067.1
-62.5°	1121.7	1146.2	1158.0	1164.1	1158.0	1146.2	1121.7	1095.5	1068.0	1025.2	972.4
-65°	999.8	1022.1	1031.5	1034.8	1031.5	1022.1	999.8	973.4	943.2	897.2	839.8
-67.5°	797.0	818.2	824.2	824.1	824.2	818.2	797.0	772.6	745.2	710.3	668.2
-70°	574.6	588.6	590.9	588.3	590.9	588.6	574.6	557.2	536.6	511.3	479.6
-72.5°	347.5	355.5	358.6	358.8	358.6	355.5	347.5	336.9	324.0	307.4	285.4
-75°	166.2	169.2	171.6	173.2	171.6	169.2	166.2	162.1	156.7	149.6	139.7
-77.5°	87.0	91.0	92.7	93.9	92.7	91.0	87.0	82.8	78.4	73.8	69.1
-80°	55.6	58.0	58.3	58.4	58.3	58.0	55.6	53.0	50.2	47.3	44.5
-82.5°	37.2	39.4	39.6	39.6	39.6	39.4	37.2	34.9	32.5	30.2	28.7
-85°	25.4	27.0	28.1	29.2	28.1	27.0	25.4	23.8	22.1	20.4	19.2
-87.5°	19.3	20.9	20.9	20.9	20.9	20.9	19.3	17.7	16.1	14.5	13.4
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.6



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	9.4	8.8	8.3	8.3	8.3	8.3	8.3	8.8	9.4	9.9	10.4
87.5°	3.2	3.7	4.2	4.7	5.3	5.8	6.3	6.8	7.3	7.8	8.3
85°	3.2	3.7	4.2	4.7	5.3	5.8	6.3	6.8	7.3	7.8	8.3
82.5°	4.9	5.3	5.7	5.8	5.9	6.1	6.3	6.8	7.3	7.8	8.4
80°	5.3	5.8	6.3	6.3	6.3	6.3	6.4	6.9	7.4	7.9	8.4
77.5°	5.3	5.9	6.4	6.6	6.7	6.6	6.6	6.9	7.4	7.9	8.4
75°	5.4	5.9	6.5	7.2	7.7	8.1	8.3	8.5	8.7	8.8	8.9
72.5°	9.2	9.4	9.7	9.8	9.3	9.7	10.2	10.6	10.8	10.6	10.2
70°	13.9	15.3	17.1	19.1	20.1	20.0	19.1	17.3	14.7	13.7	12.7
67.5°	16.2	18.1	21.3	24.8	27.2	28.9	30.4	30.8	29.1	26.0	19.2
65°	16.1	18.1	20.6	23.4	27.0	31.4	37.9	41.2	41.4	39.4	30.6
62.5°	13.5	16.1	17.7	19.6	22.4	27.1	34.6	41.4	47.9	49.8	40.0
60°	9.6	10.5	12.5	14.6	16.9	21.8	29.8	37.9	46.0	46.2	43.1
57.5°	8.5	9.0	10.4	11.5	12.4	16.5	23.6	32.7	41.6	40.4	38.2
55°	10.3	10.7	11.4	11.9	12.5	14.1	17.3	23.5	31.6	33.5	32.1
52.5°	12.3	12.9	13.5	14.0	14.2	14.0	14.0	17.8	21.5	24.8	25.9
50°	14.5	15.1	15.7	16.2	16.4	16.0	15.5	15.2	17.4	19.9	20.9
47.5°	19.1	19.9	18.7	18.5	19.9	18.8	18.1	18.3	19.3	18.6	19.6
45°	31.8	30.8	28.7	28.4	27.5	26.6	23.0	24.7	25.1	23.9	20.7
42.5°	61.1	52.0	45.2	45.6	42.9	40.1	36.6	35.9	34.7	31.8	29.9
40°	93.4	92.8	84.0	74.0	67.6	59.1	55.4	50.8	48.0	43.8	42.7
37.5°	133.0	129.6	135.3	130.3	111.6	94.8	83.1	71.1	63.3	67.3	63.9
35°	197.2	193.6	202.9	193.5	179.1	171.3	132.5	103.5	93.9	104.3	93.7
32.5°	293.8	340.2	325.1	300.1	313.0	294.7	235.0	162.2	161.3	158.7	140.6
30°	576.0	617.0	595.6	527.9	545.8	507.4	383.3	358.5	300.6	228.9	200.0
27.5°	1255.1	1023.2	986.5	972.3	862.4	790.3	728.4	656.3	506.1	371.3	277.8
25°	2147.8	1804.1	1558.9	1491.9	1355.9	1149.6	1114.4	1025.3	840.6	564.4	381.9
22.5°	3184.0	2709.9	2315.1	2070.7	1853.1	1601.3	1470.0	1413.9	1215.2	806.4	551.1
20°	4241.3	3611.1	3074.1	2683.8	2292.4	1991.7	1818.8	1730.3	1483.8	1100.4	727.9
17.5°	6673.6	4740.3	3935.4	3341.5	2788.8	2378.9	2212.6	2003.0	1751.8	1385.5	899.8
15°	10465.5	7313.9	5416.8	4280.2	3463.6	3010.0	2723.9	2323.0	2014.9	1637.3	1167.2
12.5°	19626.0	11705.6	7224.0	5587.3	4532.1	3793.7	3322.0	2773.0	2312.0	1982.8	1563.3
10°	29602.0	17801.9	10738.7	7482.8	5820.1	4690.1	3901.2	3228.9	2698.8	2360.1	1954.7
7.5°	41657.1	24681.6	14473.4	9304.6	6974.1	5453.7	4409.7	3616.8	3058.2	2713.5	2335.7
5°	51450.8	29661.5	16750.9	10668.9	7942.4	6170.4	4929.1	3945.9	3391.9	3044.9	2698.8
2.5°	57524.1	32337.8	18096.8	11800.0	8750.7	6772.1	5355.5	4225.7	3651.2	3259.8	2900.5
0°	59024.3	34446.1	19153.9	11835.3	9150.3	7145.4	5612.0	4470.8	3867.9	3440.2	3071.0
-2.5°	59129.0	33869.7	18927.6	11723.1	8955.5	7067.7	5620.0	4588.5	3991.5	3533.5	3133.7
-5°	54592.8	30863.0	17573.6	11320.4	8663.4	6890.5	5602.5	4695.7	4085.2	3611.7	3155.9
-7.5°	49368.0	27233.8	15840.8	10676.5	8248.6	6656.3	5575.7	4782.6	4149.1	3697.4	3185.7
-10°	39713.2	22917.0	14271.0	10124.1	7866.7	6413.8	5544.8	4809.7	4195.5	3767.4	3167.8
-12.5°	33528.3	19203.7	12362.7	9363.0	7559.1	6314.3	5518.2	4758.3	4227.2	3823.2	3099.0
-15°	25029.2	16014.1	11229.8	8797.8	7308.1	6182.4	5416.3	4607.5	4111.5	3795.2	2977.2
-17.5°	18643.3	12736.8	9616.9	7862.7	6703.0	5994.7	5207.7	4444.3	3913.8	3508.4	2668.1
-20°	12597.4	9903.7	8261.2	6911.1	5926.1	5338.6	4799.1	4159.0	3670.0	3098.5	2277.3



REPORT NUMBER: P701468 (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°	9342.7	7905.4	6746.2	5796.8	5140.6	4646.2	4192.5	3733.0	3368.3	2674.0	1878.6
-25°	7258.7	6251.4	5495.2	4987.1	4423.3	3965.3	3639.2	3356.6	2897.5	2230.3	1520.3
-27.5°	5824.1	5123.2	4718.0	4343.0	3905.7	3490.9	3219.8	2973.8	2423.3	1793.0	1402.8
-30°	4872.6	4558.8	4215.4	3859.1	3527.7	3194.2	2916.5	2471.4	1963.0	1453.8	1296.9
-32.5°	4358.6	4119.4	3818.9	3502.0	3221.7	2980.3	2542.1	1994.8	1528.8	1343.6	1209.2
-35°	3983.2	3738.0	3451.0	3215.7	3000.3	2629.7	2150.9	1617.9	1360.0	1241.6	1127.6
-37.5°	3638.4	3375.5	3175.2	2960.3	2641.5	2219.3	1690.3	1411.3	1264.3	1157.4	1040.9
-40°	3414.8	3170.1	2854.6	2577.6	2144.4	1664.6	1452.8	1308.5	1193.5	1068.6	948.4
-42.5°	3069.1	2753.6	2374.8	1941.4	1587.5	1459.8	1337.0	1228.9	1109.7	977.8	859.6
-45°	2407.8	2018.9	1664.5	1543.1	1425.7	1334.7	1247.4	1131.6	1006.8	888.3	772.2
-47.5°	1687.3	1570.9	1462.0	1387.4	1313.2	1230.2	1128.1	1016.9	906.7	798.4	707.3
-50°	1445.7	1401.6	1346.8	1276.9	1190.8	1099.1	1005.1	906.9	812.4	727.6	641.0
-52.5°	1361.6	1297.4	1224.9	1143.1	1059.7	976.6	889.3	814.5	736.0	656.5	574.8
-55°	1238.5	1170.9	1098.0	1019.4	939.8	875.2	806.5	734.3	661.3	585.6	514.7
-57.5°	1112.3	1049.2	986.5	921.6	854.6	787.7	720.4	653.0	587.5	520.6	456.3
-60°	1012.0	953.4	892.9	828.2	759.0	692.6	635.1	575.6	514.1	460.7	405.6
-62.5°	916.6	857.9	794.0	728.4	666.3	609.0	554.6	502.7	454.6	405.8	343.5
-65°	782.8	726.9	672.5	619.3	568.0	519.0	473.3	423.1	371.8	323.2	269.2
-67.5°	626.7	586.5	544.9	499.7	449.5	401.3	355.5	312.4	271.0	230.2	183.2
-70°	445.4	409.0	370.9	333.3	299.0	265.4	231.3	197.1	163.3	137.2	110.2
-72.5°	261.8	236.7	211.4	186.3	160.1	141.5	125.0	107.5	88.7	68.6	53.4
-75°	128.8	116.9	104.6	92.6	79.6	65.5	57.9	53.6	49.1	44.5	39.5
-77.5°	64.2	59.3	54.6	51.2	47.8	44.5	41.1	37.7	35.0	32.6	30.3
-80°	41.6	38.8	36.1	34.4	32.7	30.8	28.9	27.2	25.7	24.4	23.1
-82.5°	27.2	25.7	24.1	23.0	21.8	20.6	19.3	18.5	17.7	16.8	15.9
-85°	18.0	16.8	15.5	14.9	14.2	13.6	13.1	13.1	13.1	13.2	13.4
-87.5°	12.3	11.2	10.2	10.2	10.1	10.1	10.0	10.5	11.0	11.4	11.9
-90°	3.2	3.7	4.2	4.7	5.3	5.8	6.3	6.8	7.3	7.8	8.3



REPORT NUMBER: P701468 (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°	10.4	10.4	10.4	10.4	10.9	11.5	12.0	12.5	12.0	11.5	10.9
87.5°	8.3	8.3	8.3	8.3	8.8	9.4	9.9	10.4	10.4	10.4	10.4
85°	8.5	8.6	8.6	8.6	9.0	9.4	9.9	10.4	10.4	10.4	10.4
82.5°	8.9	9.3	9.6	9.8	9.8	9.9	10.1	10.4	10.5	10.4	10.4
80°	8.9	9.4	10.0	10.4	10.4	10.4	10.3	10.4	10.7	10.8	10.7
77.5°	9.0	9.5	10.0	10.4	10.4	10.4	10.4	10.5	11.0	11.2	11.2
75°	9.1	9.6	10.1	10.4	10.4	10.4	10.4	10.6	11.1	11.6	11.7
72.5°	10.0	10.0	10.2	10.4	10.4	10.4	10.4	10.6	11.1	11.6	12.1
70°	11.5	10.6	10.4	10.6	10.6	10.4	10.4	10.7	11.2	11.7	12.2
67.5°	13.6	12.3	11.2	11.0	11.1	11.0	10.5	10.8	11.3	11.7	12.2
65°	22.6	16.4	12.4	11.9	11.7	11.8	11.4	11.0	11.3	11.8	12.3
62.5°	30.7	22.3	16.8	13.5	12.3	12.2	12.3	11.7	11.5	11.9	12.4
60°	38.4	28.8	21.3	17.0	13.9	12.4	12.5	12.3	11.9	12.0	12.4
57.5°	35.5	33.4	27.1	20.8	16.5	13.6	12.5	12.5	12.3	12.2	12.5
55°	30.3	29.2	29.9	25.0	19.2	15.4	13.0	12.5	12.5	12.3	12.5
52.5°	24.6	26.2	28.4	27.4	22.1	17.2	14.4	12.5	12.5	12.5	12.5
50°	20.4	23.6	27.1	27.7	24.4	19.3	15.7	13.4	12.5	12.5	12.6
47.5°	20.4	23.1	25.4	28.4	26.2	21.1	17.1	14.4	12.5	12.5	12.8
45°	23.6	24.8	25.6	27.4	28.0	22.6	18.3	15.2	13.2	12.6	13.0
42.5°	28.7	29.2	28.5	26.9	27.9	23.7	19.3	15.9	13.7	12.7	13.1
40°	39.6	35.7	32.9	32.0	29.0	24.4	19.9	16.5	14.2	13.0	13.2
37.5°	52.6	46.1	40.2	41.2	33.2	26.7	20.2	16.8	14.9	13.7	13.4
35°	76.6	59.8	57.2	55.7	44.7	30.2	20.2	16.9	15.8	14.2	13.5
32.5°	105.4	88.7	85.9	74.8	59.2	34.9	22.4	18.4	16.8	14.8	13.6
30°	159.5	143.4	122.9	97.5	77.1	48.4	27.6	20.3	17.9	15.4	13.8
27.5°	245.9	207.6	169.6	131.6	98.7	64.7	34.3	22.6	19.0	16.0	14.3
25°	338.3	286.9	231.4	173.6	122.7	88.2	40.9	25.4	20.7	17.0	14.7
22.5°	436.0	372.4	299.6	220.3	157.2	116.0	53.8	31.0	22.8	17.9	15.2
20°	535.3	460.8	375.8	276.4	199.7	145.5	74.7	36.4	25.0	18.9	15.5
17.5°	644.7	568.3	474.2	347.2	245.9	176.4	97.6	41.5	27.4	19.9	15.9
15°	853.6	698.8	582.1	424.2	291.5	208.1	121.8	46.5	29.9	20.9	16.3
12.5°	1108.4	830.6	696.7	505.4	336.2	240.3	146.6	51.1	32.5	22.7	16.8
10°	1388.7	962.4	815.3	588.6	379.4	272.2	171.4	59.2	37.5	25.2	17.3
7.5°	1682.5	1093.0	934.8	671.3	425.9	317.2	219.7	75.9	42.9	27.9	17.7
5°	1955.6	1210.7	1053.3	774.3	498.1	375.1	271.8	93.3	48.3	30.5	18.1
2.5°	2118.8	1306.4	1164.6	874.2	567.8	430.8	322.3	110.7	53.5	33.1	18.5
0°	2251.1	1395.7	1266.4	965.9	634.2	484.0	369.3	127.3	58.4	35.5	18.8
-2.5°	2278.2	1446.5	1301.7	1018.0	696.5	536.0	407.1	154.7	77.6	47.1	25.0
-5°	2272.7	1491.3	1329.1	1061.1	753.9	584.4	438.7	180.3	96.0	58.2	31.0
-7.5°	2266.0	1512.7	1343.4	1092.2	805.9	628.2	463.4	203.6	113.2	68.5	36.5
-10°	2216.5	1517.4	1339.8	1087.9	817.0	646.2	477.1	224.1	128.9	77.8	41.5
-12.5°	2108.8	1516.5	1330.4	1074.1	814.2	640.5	462.8	238.4	142.6	86.0	45.7
-15°	1937.2	1510.1	1315.9	1050.9	803.0	631.1	446.1	248.4	153.6	93.3	49.0
-17.5°	1685.7	1498.2	1296.8	1018.1	782.8	618.0	427.8	255.5	162.9	99.8	52.1
-20°	1567.3	1440.6	1269.6	975.8	753.0	601.3	408.9	259.7	170.3	104.6	54.7



REPORT NUMBER: P701468 (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°
-22.5°	1479.9	1345.4	1171.5	936.7	721.2	580.9	390.2	260.7	175.6	107.4	56.1
-25°	1378.5	1247.6	1067.1	864.8	694.6	551.3	380.2	258.4	178.8	108.3	56.1
-27.5°	1269.1	1144.2	968.0	793.1	655.2	524.5	375.5	260.8	179.7	107.0	54.7
-30°	1158.9	1036.3	883.8	728.4	614.0	487.9	366.9	260.7	177.9	104.7	51.7
-32.5°	1074.3	938.4	805.1	681.0	571.0	450.7	346.4	257.7	173.0	101.1	49.5
-35°	994.7	859.1	731.1	632.4	527.9	419.6	322.3	251.8	165.1	95.3	46.8
-37.5°	911.9	786.9	677.5	584.3	485.4	386.1	302.9	233.1	154.0	87.2	42.8
-40°	832.0	720.6	626.4	538.8	445.2	350.1	281.5	211.7	142.1	76.9	37.7
-42.5°	751.9	662.7	576.1	493.9	403.6	324.3	258.0	188.9	125.1	68.0	31.2
-45°	687.0	603.6	523.9	444.9	361.9	296.7	231.3	165.1	106.2	59.1	26.3
-47.5°	620.2	543.8	471.0	395.8	329.4	266.8	203.1	142.2	86.0	48.6	24.8
-50°	552.9	485.5	419.6	355.3	295.1	234.4	174.0	117.7	71.7	36.1	23.0
-52.5°	497.2	432.8	373.4	316.2	258.4	200.5	144.8	92.6	56.3	30.1	20.7
-55°	445.9	383.3	329.4	274.8	219.9	165.7	113.8	73.8	39.9	26.9	18.4
-57.5°	397.1	335.7	283.0	231.5	179.2	129.1	87.7	53.9	32.8	23.3	18.1
-60°	346.9	286.2	234.6	184.3	135.9	95.8	63.8	38.0	28.1	20.2	17.8
-62.5°	285.6	231.2	179.4	133.7	97.2	67.0	42.1	32.1	23.1	19.4	17.3
-65°	215.6	166.1	122.0	91.8	63.4	42.7	34.6	25.7	21.0	18.5	16.7
-67.5°	138.8	107.7	78.5	52.4	41.6	34.4	26.8	22.4	19.6	17.5	16.1
-70°	83.0	57.4	45.4	39.2	32.9	26.8	23.3	20.4	18.1	16.6	15.5
-72.5°	47.1	41.2	35.6	30.3	26.8	23.6	20.6	18.3	16.8	15.7	14.8
-75°	34.6	31.4	28.7	25.9	23.0	20.4	18.3	16.7	15.6	14.7	14.1
-77.5°	27.9	25.7	23.5	21.7	19.8	18.0	16.4	15.0	14.4	14.0	13.5
-80°	21.6	20.3	19.3	18.4	16.9	15.5	14.6	13.9	13.6	13.3	12.9
-82.5°	15.4	15.5	15.6	15.5	14.7	14.0	13.5	13.1	12.8	12.5	12.3
-85°	13.4	13.4	13.3	13.1	12.8	12.5	12.5	12.5	12.4	12.2	11.9
-87.5°	11.8	11.7	11.7	11.6	11.8	12.0	12.2	12.5	12.2	11.8	11.4
-90°	8.3	8.3	8.3	8.3	8.8	9.4	9.9	10.4	10.4	10.4	10.4



REPORT NUMBER: P701468 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.4	10.4	10.4	10.4	10.4	10.4	10.4
87.5°	10.4	10.5	10.6	10.6	10.6	10.4	10.4
85°	10.4	10.6	10.8	10.8	10.8	10.5	10.4
82.5°	10.4	10.8	11.0	11.0	10.9	10.5	10.4
80°	10.5	10.9	11.1	11.2	11.1	10.6	10.4
77.5°	11.0	11.1	11.3	11.4	11.3	10.6	10.4
75°	11.6	11.4	11.5	11.7	11.4	10.7	10.4
72.5°	12.1	11.8	11.7	11.9	11.6	10.7	10.4
70°	12.5	12.1	11.9	12.1	11.7	10.7	10.4
67.5°	12.5	12.4	12.1	12.2	11.9	10.8	10.4
65°	12.5	12.5	12.2	12.2	12.0	10.8	10.4
62.5°	12.5	12.5	12.4	12.3	12.1	10.8	10.4
60°	12.5	12.5	12.5	12.3	12.2	10.9	10.4
57.5°	12.5	12.5	12.5	12.4	12.2	10.9	10.4
55°	12.5	12.5	12.5	12.4	12.2	10.9	10.4
52.5°	12.5	12.5	12.5	12.5	12.2	10.9	10.4
50°	12.5	12.5	12.5	12.5	12.1	10.9	10.4
47.5°	12.5	12.5	12.5	12.5	12.1	10.9	10.4
45°	12.7	12.5	12.5	12.5	12.1	10.9	10.4
42.5°	12.9	12.5	12.5	12.5	12.1	10.9	10.4
40°	13.1	12.5	12.5	12.5	12.1	10.9	10.4
37.5°	13.4	12.5	12.5	12.5	12.2	10.9	10.4
35°	13.7	12.6	12.5	12.5	12.2	10.9	10.4
32.5°	13.9	12.9	12.5	12.5	12.2	10.9	10.4
30°	14.0	13.1	12.5	12.5	12.2	10.9	10.4
27.5°	14.2	13.3	12.5	12.5	12.2	10.8	10.4
25°	14.3	13.6	12.5	12.5	12.3	10.8	10.4
22.5°	14.4	13.8	12.5	12.5	12.3	10.8	10.4
20°	14.6	14.0	12.5	12.5	12.3	10.7	10.4
17.5°	14.7	14.1	12.5	12.5	12.4	10.7	10.4
15°	14.9	14.2	12.5	12.5	12.4	10.7	10.4
12.5°	15.2	14.3	12.5	12.5	12.4	10.6	10.4
10°	15.5	14.4	12.5	12.5	12.4	10.6	10.4
7.5°	15.8	14.5	12.5	12.5	12.5	10.5	10.4
5°	16.1	14.6	12.5	12.5	12.5	10.5	10.4
2.5°	16.4	14.6	12.5	12.5	12.5	10.4	10.4
0°	16.7	14.6	12.5	12.5	12.5	10.4	10.4
-2.5°	18.4	14.6	12.5	12.5	12.5	10.4	10.4
-5°	19.9	14.6	12.5	12.5	12.5	10.4	10.4
-7.5°	21.3	14.5	12.5	12.5	12.5	10.4	10.4
-10°	22.5	14.4	12.5	12.5	12.4	10.4	10.4
-12.5°	23.5	14.3	12.5	12.5	12.4	10.4	10.4
-15°	24.1	14.2	12.5	12.5	12.4	10.4	10.4
-17.5°	24.4	14.1	12.5	12.5	12.3	10.4	10.4
-20°	24.7	14.0	12.5	12.5	12.2	10.4	10.4



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	25.4	13.8	12.5	12.5	12.2	10.4	10.4
-25°	25.5	14.0	12.5	12.5	12.1	10.4	10.4
-27.5°	24.8	14.3	12.5	12.5	12.0	10.4	10.4
-30°	23.3	14.5	12.5	12.5	11.9	10.4	10.4
-32.5°	21.1	14.5	12.7	12.5	11.8	10.4	10.4
-35°	20.2	14.3	12.9	12.5	11.7	10.4	10.4
-37.5°	20.0	14.2	13.0	12.5	11.6	10.4	10.4
-40°	19.6	14.3	13.1	12.5	11.5	10.4	10.4
-42.5°	18.8	14.5	13.2	12.5	11.4	10.4	10.4
-45°	17.9	14.6	13.3	12.6	11.3	10.4	10.4
-47.5°	16.6	14.6	13.4	12.6	11.1	10.4	10.4
-50°	16.4	14.6	13.4	12.5	11.0	10.4	10.4
-52.5°	16.4	14.6	13.4	12.3	10.9	10.4	10.4
-55°	16.2	14.6	13.4	12.1	10.7	10.4	10.4
-57.5°	16.1	14.5	13.3	12.0	10.6	10.4	10.4
-60°	15.8	14.3	13.3	11.8	10.4	10.4	10.4
-62.5°	15.6	14.2	13.0	11.6	10.4	10.4	10.4
-65°	15.2	14.0	12.7	11.3	10.4	10.4	10.4
-67.5°	14.9	13.7	12.4	11.1	10.4	10.4	10.4
-70°	14.5	13.3	12.1	10.9	10.4	10.4	10.4
-72.5°	14.0	12.9	11.8	10.8	10.4	10.4	10.4
-75°	13.5	12.5	11.4	10.8	10.4	10.4	10.4
-77.5°	13.0	12.1	11.3	10.7	10.4	10.4	10.4
-80°	12.5	11.7	11.1	10.7	10.4	10.4	10.4
-82.5°	12.0	11.4	10.9	10.6	10.4	10.4	10.4
-85°	11.5	11.1	10.8	10.5	10.4	10.4	10.4
-87.5°	10.9	10.7	10.6	10.5	10.4	10.4	10.4
-90°	10.4	10.4	10.4	10.4	10.4	10.4	10.4

(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

