

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: P701563 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-70-3S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701563 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-20)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-57-70-3S-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

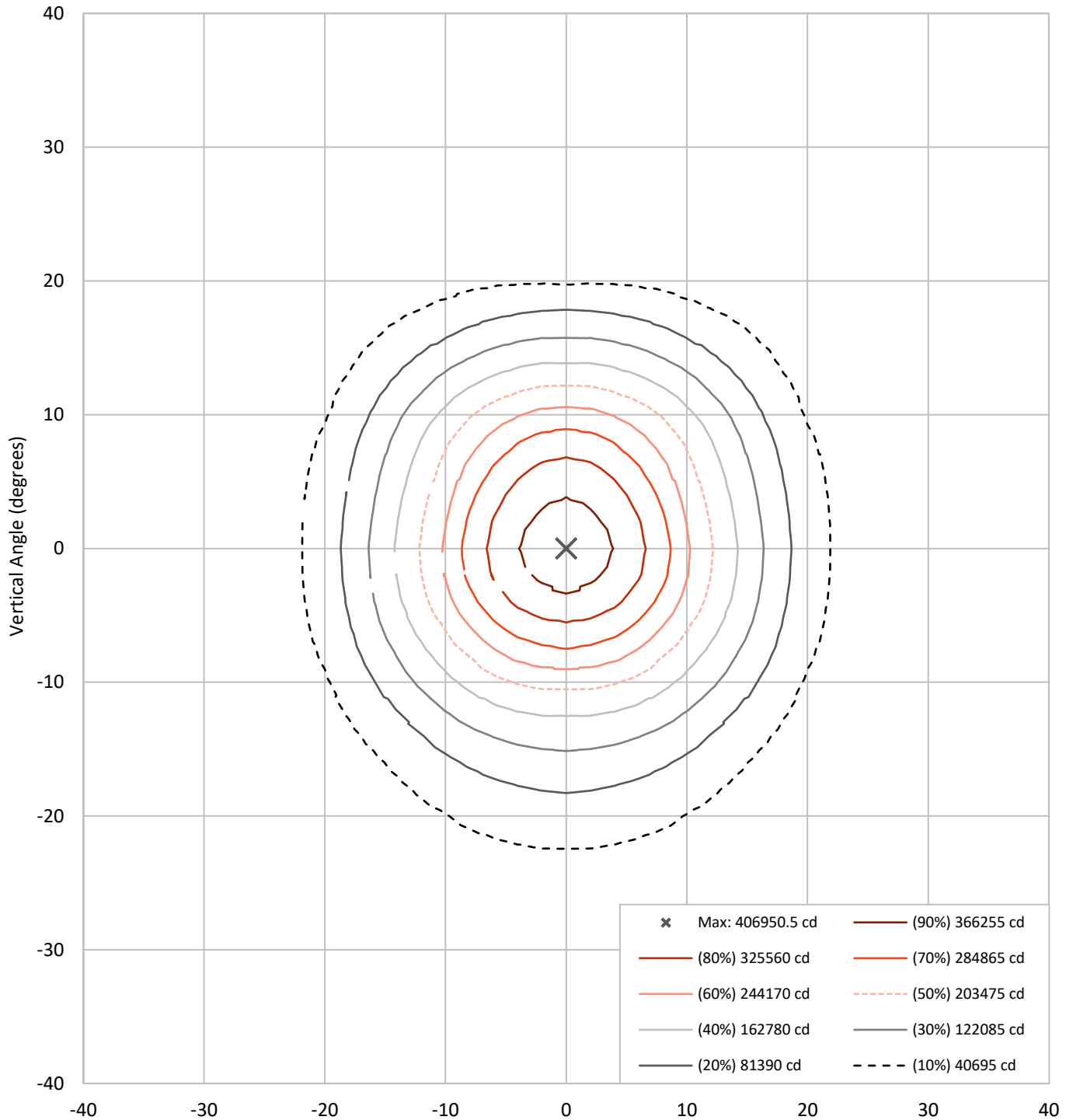
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	84343.8 lumens	Max Intensity:	406950.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	128.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.3°H x 22.7°V	Field Angle (10%):	43.8°H x 42.1°V
Beam Lumens:	39772.1 lumens	Field Lumens:	71849.9 lumens
Beam Efficiency:	47.2%	Field Efficiency:	85.2%

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





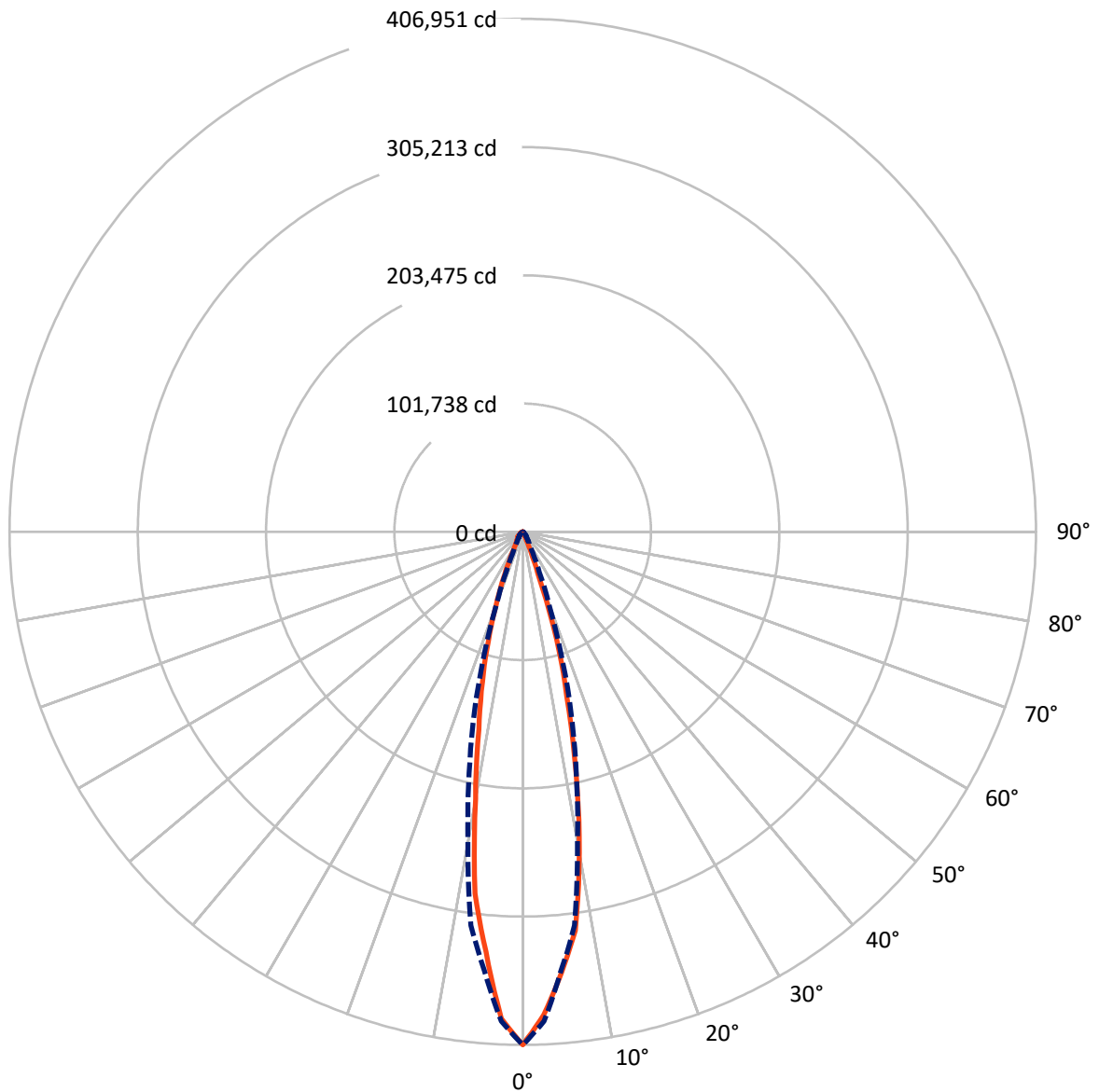
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Lumen Table

90	0.1		0.3		0.5		0.5		0.5		0.5		0.3		0.1	
80	0.1		0.3		0.5		0.5		0.5		0.5		0.3		0.1	
70	0.1	0.1	0.2	0.7	0.9	0.6	0.4	0.4	0.4	0.4	0.6	0.9	0.7	0.2	0.1	0.1
60		0.1	0.5	0.9	0.7	0.4	0.3	0.4	0.4	0.3	0.4	0.7	0.9	0.5	0.1	
50	0.2	0.3	0.7	0.7	0.8	1.2	2.2	1.5	1.5	2.2	1.2	0.8	0.7	0.7	0.3	0.2
40		0.4	1.4	3.3	5.9	8.6	11.8	14.1	14.1	11.8	8.6	5.9	3.3	1.4	0.4	
30	0.3	0.8	5.7	18.0	41.6	69.3	142.3	273.8	273.8	142.3	69.3	41.6	18.0	5.7	0.8	0.3
20		1.7	12.3	45.8	110.9	293.6	1616.4	3814.6	3814.6	1616.4	293.6	110.9	45.8	12.3	1.7	
10	0.4	2.7	16.3	61.0	142.7	626.1	3875.1	9087.9	9087.9	3875.1	626.1	142.7	61.0	16.3	2.7	0.4
0		3.3	17.5	62.0	143.0	620.0	3807.4	8709.0	8709.0	3807.4	620.0	143.0	62.0	17.5	3.3	
-10	0.7	3.9	16.6	51.4	112.4	295.9	1543.7	3484.0	3484.0	1543.7	295.9	112.4	51.4	16.6	3.9	0.7
-20		4.1	15.4	38.5	95.8	167.8	384.1	785.2	785.2	384.1	167.8	95.8	38.5	15.4	4.1	
-30	0.6	3.6	13.2	29.2	70.7	138.7	194.8	239.3	239.3	194.8	138.7	70.7	29.2	13.2	3.6	0.6
-40		2.6	10.0	23.0	42.9	76.2	124.7	159.7	159.7	124.7	76.2	42.9	23.0	10.0	2.6	
-50	0.3	1.3	6.1	15.4	29.3	45.1	60.4	69.9	69.9	60.4	45.1	29.3	15.4	6.1	1.3	0.3
-60		0.5	2.1	6.7	13.6	21.6	29.6	34.1	34.1	29.6	21.6	13.6	6.7	2.1	0.5	
-70	0.2	1.2	4.3	11.1	15.0	11.1	4.3	1.2	0.2	0.2						
-80		1.2	4.3	11.1	15.0	11.1	4.3	1.2	0.2							
-90	0.2		1.2		4.3		11.1		15.0		11.1		4.3		1.2	

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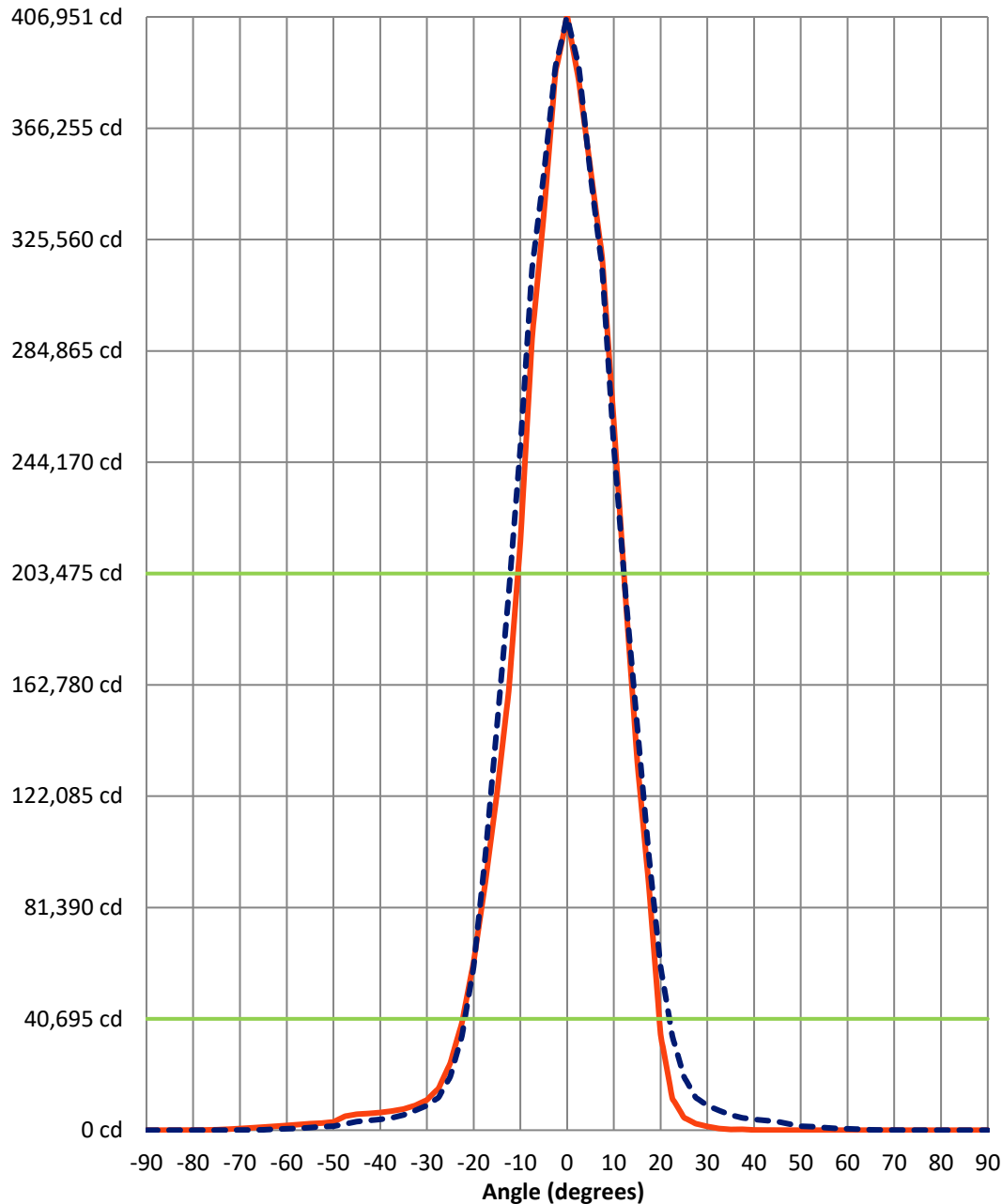
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24.3°
 V Angle: 22.7°
 Lumens: 39772.1
 Efficiency: 47.2%

Field:
 H Angle: 43.8°
 V Angle: 42.1°
 Lumens: 71849.9
 Efficiency: 85.2%

Spill:
 Lumens: 12493.8
 Efficiency: 14.8%

— 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°	4.1	5.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
87.5°	4.1	4.2	4.3	4.3	4.3	4.2	4.1	4.1	4.1	4.1	4.1
85°	4.1	4.3	4.5	4.5	4.5	4.3	4.1	4.1	4.1	4.1	4.1
82.5°	4.1	4.4	4.6	4.7	4.7	4.5	4.1	4.1	4.1	4.2	4.1
80°	4.1	4.5	4.8	4.9	4.8	4.6	4.2	4.4	4.5	4.4	4.1
77.5°	4.1	4.6	5.0	5.1	5.0	4.8	4.7	4.9	4.9	4.7	4.2
75°	4.1	4.6	5.2	5.4	5.2	5.1	5.3	5.4	5.3	4.8	4.3
72.5°	4.1	4.7	5.4	5.6	5.4	5.5	5.8	5.8	5.3	4.8	4.3
70°	4.1	4.8	5.5	5.8	5.6	5.8	6.2	5.9	5.4	4.9	5.0
67.5°	4.1	4.9	5.7	5.9	5.8	6.1	6.2	5.9	5.5	5.4	5.7
65°	4.1	5.0	5.9	5.9	5.9	6.2	6.2	6.0	5.7	5.9	6.3
62.5°	4.1	5.1	6.0	6.0	6.1	6.2	6.2	6.1	6.0	6.3	6.5
60°	4.1	5.1	6.2	6.0	6.2	6.2	6.2	6.2	6.2	6.7	6.8
57.5°	4.1	5.2	6.2	6.1	6.2	6.2	6.3	6.2	6.6	7.1	7.1
55°	4.1	5.3	6.2	6.1	6.2	6.2	6.4	6.3	7.1	7.6	7.6
52.5°	4.1	5.4	6.2	6.2	6.2	6.2	6.6	6.9	7.7	8.2	8.1
50°	4.1	5.4	6.2	6.2	6.2	6.4	6.8	7.5	8.3	8.8	10.9
47.5°	4.1	5.5	6.2	6.2	6.2	6.6	7.1	8.0	9.0	9.5	13.6
45°	4.1	5.6	6.2	6.2	6.2	6.9	7.5	8.6	9.6	11.6	16.2
42.5°	4.1	5.6	6.2	6.2	6.2	7.1	8.0	9.1	10.2	13.6	20.8
40°	4.1	5.7	6.2	6.2	6.3	7.4	8.5	9.7	11.1	15.4	25.7
37.5°	4.1	5.8	6.2	6.2	6.5	7.7	8.9	10.2	12.5	17.7	30.4
35°	4.1	5.8	6.2	6.2	6.7	8.0	9.3	10.7	13.8	21.9	34.2
32.5°	4.1	5.9	6.2	6.2	6.9	8.3	9.8	11.2	14.9	26.1	37.5
30°	4.1	5.9	6.2	6.2	7.2	8.7	10.1	11.8	15.9	30.3	41.0
27.5°	4.1	6.0	6.2	6.2	7.3	9.0	10.5	12.6	17.8	34.5	44.6
25°	4.1	6.0	6.2	6.2	7.5	9.3	10.9	13.4	21.1	37.8	48.4
22.5°	4.1	6.0	6.2	6.2	7.7	9.5	11.2	14.0	24.2	40.8	55.2
20°	4.1	6.1	6.2	6.2	7.8	9.7	11.6	14.6	27.2	43.7	62.5
17.5°	4.1	6.1	6.2	6.2	7.9	9.8	11.9	15.1	30.0	46.5	70.1
15°	4.1	6.1	6.2	6.2	8.0	10.0	12.3	15.7	32.7	49.3	77.9
12.5°	4.1	6.2	6.2	6.2	8.1	10.1	12.7	16.6	35.7	52.0	85.8
10°	4.1	6.2	6.2	6.2	8.2	10.1	13.1	17.5	39.0	56.2	94.6
7.5°	4.1	6.2	6.2	6.2	8.2	10.2	13.5	18.4	42.2	60.6	105.4
5°	4.1	6.2	6.2	6.2	8.3	10.3	13.9	19.2	45.0	64.8	115.8
2.5°	4.1	6.2	6.2	6.2	8.3	10.3	14.2	20.0	47.5	68.8	125.6
0°	4.1	6.2	6.2	6.2	8.3	10.3	14.2	20.0	47.5	68.8	125.6
-2.5°	4.1	6.2	6.2	6.2	8.3	10.3	14.2	20.0	47.5	68.8	125.6
-5°	4.1	6.2	6.2	6.2	8.3	10.3	14.2	20.0	47.5	68.8	125.6
-7.5°	4.1	6.2	6.2	6.2	8.3	10.3	14.2	20.0	47.5	68.8	125.6
-10°	4.1	6.2	6.2	6.2	8.3	10.3	14.2	20.0	47.5	68.8	125.6
-12.5°	4.1	6.2	6.2	6.2	8.3	10.3	14.2	20.0	47.5	68.8	125.6
-15°	4.1	6.2	6.2	6.2	8.3	10.3	14.2	20.0	47.5	68.8	125.6
-17.5°	4.1	6.2	6.2	6.2	8.3	10.3	14.2	20.0	47.5	68.8	125.6
-20°	4.1	6.2	6.2	6.2	8.3	10.3	14.2	20.0	47.5	68.8	125.6



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.1	6.1	6.9	8.3	10.8	16.0	29.7	60.5	115.6	190.9	279.9
-25°	4.1	6.0	6.9	8.5	11.0	16.2	30.0	60.8	115.3	194.2	278.7
-27.5°	4.1	6.0	7.0	8.6	11.2	16.3	29.6	59.7	112.6	194.3	281.3
-30°	4.1	6.0	7.0	8.7	11.3	16.2	28.3	57.0	110.1	190.9	280.9
-32.5°	4.1	6.0	7.0	8.8	11.4	15.9	26.3	55.1	106.8	184.2	276.8
-35°	4.1	5.9	7.0	8.8	11.4	15.4	25.3	52.7	101.4	174.3	269.2
-37.5°	4.1	5.9	7.0	8.8	11.4	15.0	24.7	49.0	93.7	161.2	252.0
-40°	4.1	5.9	6.9	8.8	11.4	15.0	23.7	44.1	83.7	149.0	230.7
-42.5°	4.1	5.8	6.9	8.8	11.3	14.9	22.5	38.0	75.1	133.3	206.2
-45°	4.1	5.8	6.8	8.7	11.2	14.7	21.0	33.0	66.6	115.0	179.7
-47.5°	4.1	5.8	6.7	8.6	11.0	14.4	19.1	30.8	56.4	94.7	156.4
-50°	4.1	5.7	6.7	8.4	10.8	14.0	18.4	28.2	44.2	80.6	130.5
-52.5°	4.1	5.7	6.6	8.3	10.6	13.5	17.8	25.1	37.6	65.3	103.2
-55°	4.1	5.7	6.5	8.1	10.4	13.1	17.0	22.0	33.4	48.7	84.1
-57.5°	4.1	5.6	6.3	7.9	10.1	12.7	16.1	20.9	29.0	40.8	63.7
-60°	4.1	5.6	6.2	7.7	9.8	12.3	15.2	19.6	24.9	35.3	47.1
-62.5°	4.1	5.6	6.2	7.5	9.4	11.8	14.5	18.2	23.2	29.4	40.3
-65°	4.1	5.5	6.2	7.2	9.0	11.2	13.8	16.9	21.4	26.5	33.2
-67.5°	4.1	5.5	6.2	7.0	8.6	10.7	13.0	16.0	19.5	24.2	29.1
-70°	4.1	5.5	6.2	6.7	8.2	10.0	12.2	14.9	18.2	21.8	26.3
-72.5°	4.1	5.4	6.2	6.6	7.7	9.4	11.3	13.8	16.8	20.0	23.5
-75°	4.1	5.4	6.2	6.6	7.3	8.7	10.3	12.6	15.3	18.1	21.2
-77.5°	4.1	5.4	6.2	6.5	7.1	8.0	9.4	11.4	13.7	16.2	18.9
-80°	4.1	5.3	6.2	6.5	6.9	7.5	8.4	10.1	12.1	14.2	16.5
-82.5°	4.1	5.3	6.2	6.4	6.7	7.2	7.8	9.0	10.4	12.1	14.0
-85°	4.1	5.2	6.2	6.3	6.6	6.9	7.3	8.1	9.0	10.1	11.4
-87.5°	4.1	5.2	6.2	6.3	6.4	6.5	6.7	7.1	7.6	8.2	8.8
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1



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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°	6.7	7.3	7.8	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	3.6	3.1	2.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	3.6	3.1	2.7	2.4	2.4	2.4	2.3	2.1	2.1	2.1	2.1
82.5°	3.8	3.6	3.5	3.5	3.4	3.1	2.7	2.4	2.4	2.4	2.3
80°	4.0	4.1	4.1	4.1	3.9	3.7	3.7	3.8	3.6	3.3	3.0
77.5°	4.1	4.1	4.1	4.1	4.1	4.3	4.6	5.1	5.1	4.9	4.7
75°	4.1	4.1	4.2	4.2	4.3	4.8	5.5	6.0	6.0	5.8	5.8
72.5°	4.4	4.7	4.7	4.4	4.8	5.5	5.9	6.2	7.4	9.1	10.2
70°	5.3	5.4	5.3	5.4	5.8	6.7	8.8	11.7	14.6	16.7	19.5
67.5°	6.1	5.8	5.9	6.4	7.9	10.3	13.5	20.8	29.0	32.2	33.7
65°	6.2	6.1	6.7	8.1	10.1	16.2	24.2	33.7	43.7	45.9	45.7
62.5°	6.2	6.5	7.6	10.7	16.5	24.1	34.6	45.2	55.6	53.9	47.6
60°	6.4	6.7	10.4	16.5	23.5	33.7	45.1	50.8	54.1	53.7	46.3
57.5°	6.7	9.0	15.3	23.1	33.0	41.9	45.6	48.9	50.8	52.5	43.5
55°	8.3	13.2	21.2	31.5	39.5	41.3	43.4	44.6	46.3	43.0	33.3
52.5°	12.2	18.0	28.4	37.5	41.0	40.6	38.6	38.8	35.9	31.3	26.4
50°	15.7	24.8	34.7	40.3	42.0	38.9	33.4	31.7	28.7	25.0	21.6
47.5°	21.0	31.4	38.4	43.2	42.2	37.8	31.3	27.4	24.3	23.3	20.1
45°	26.8	36.0	42.7	44.7	42.6	36.9	31.7	24.7	26.2	26.0	25.7
42.5°	32.5	39.8	45.5	47.2	42.5	38.8	34.2	32.6	32.4	36.5	39.3
40°	36.0	43.5	48.9	49.3	44.2	43.3	46.4	48.4	46.5	53.6	59.5
37.5°	39.2	47.3	53.9	56.4	50.0	55.1	62.8	84.6	86.7	74.3	95.1
35°	42.3	51.8	64.1	73.7	73.4	73.8	107.2	140.3	155.8	136.4	154.4
32.5°	46.1	56.9	78.1	103.2	124.0	127.3	163.5	230.9	262.5	263.7	261.2
30°	51.5	70.2	100.0	141.4	193.9	244.9	272.5	346.5	397.2	484.2	550.0
27.5°	59.1	87.3	136.8	205.8	288.7	389.9	451.5	494.3	619.5	782.0	957.2
25°	67.7	121.9	179.3	288.5	429.4	557.9	636.5	687.8	906.5	1228.9	1454.5
22.5°	86.5	166.4	241.4	382.5	588.3	732.7	815.6	981.4	1320.5	1753.3	2020.3
20°	119.0	220.9	314.5	468.2	750.8	911.7	990.1	1319.2	1842.6	2286.4	2654.2
17.5°	156.4	275.7	386.9	568.6	842.1	1049.4	1182.8	1680.8	2398.7	2797.3	3218.7
15°	197.6	330.5	451.4	657.8	930.1	1130.9	1419.5	2116.6	2907.4	3288.0	3722.7
12.5°	241.2	384.7	508.5	736.0	1016.8	1206.3	1631.3	2427.5	3170.0	3685.4	4249.3
10°	285.8	437.6	558.9	803.5	1100.5	1275.6	1830.3	2686.7	3308.8	3793.6	4451.6
7.5°	313.4	473.9	600.1	860.6	1179.2	1339.0	2012.0	2895.9	3407.4	3857.7	4479.2
5°	333.4	491.5	620.4	899.5	1234.1	1389.3	2160.2	3057.2	3471.5	3883.2	4430.2
2.5°	348.1	505.2	637.6	928.7	1267.8	1423.9	2229.9	3119.3	3513.9	3914.5	4437.5
0°	357.7	514.9	651.3	949.1	1290.2	1453.6	2266.2	3140.8	3539.9	3941.0	4511.7
-2.5°	370.4	529.0	673.0	969.9	1295.9	1460.2	2271.5	3132.4	3554.9	4004.4	4592.0
-5°	378.8	539.2	690.4	981.5	1291.8	1461.0	2242.9	3087.6	3533.3	3988.8	4561.1
-7.5°	383.7	545.4	702.9	982.5	1269.7	1439.0	2145.6	2947.0	3412.0	3839.4	4401.8
-10°	387.8	554.2	714.6	965.8	1226.9	1400.4	2008.3	2780.0	3277.4	3671.1	4199.2
-12.5°	400.8	566.2	723.3	945.7	1183.1	1357.0	1840.4	2591.7	3132.1	3486.1	3980.6
-15°	410.0	575.9	728.5	923.6	1140.6	1309.0	1643.1	2386.5	3021.4	3419.1	3843.0
-17.5°	415.3	583.7	730.3	901.3	1101.9	1256.7	1426.2	2196.2	2933.3	3382.8	3774.2
-20°	416.9	590.0	729.1	880.2	1067.8	1225.6	1378.0	1965.2	2717.8	3324.9	3713.4



REPORT NUMBER: P701563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	414.9	595.1	727.2	870.5	1045.8	1211.6	1359.6	1709.8	2433.3	3241.4	3635.6
-25°	413.6	588.1	726.9	856.9	1020.9	1194.7	1340.5	1471.0	2113.4	2920.4	3531.0
-27.5°	411.0	577.1	712.2	835.3	989.9	1171.0	1318.0	1446.7	1818.6	2555.6	3366.6
-30°	401.7	547.7	692.1	808.4	958.5	1130.8	1292.6	1429.0	1568.0	2183.2	2939.8
-32.5°	381.0	515.6	659.1	782.2	919.4	1084.4	1256.6	1397.7	1538.9	1764.7	2482.2
-35°	358.9	485.3	620.5	749.6	872.2	1030.9	1195.4	1355.9	1496.3	1644.0	1994.2
-37.5°	342.0	452.0	580.2	709.0	830.7	970.0	1127.5	1289.8	1441.2	1593.6	1766.1
-40°	321.4	416.0	540.0	663.4	784.9	910.7	1056.1	1209.5	1368.1	1543.6	1705.3
-42.5°	297.0	389.2	497.7	616.5	734.3	855.1	980.5	1125.8	1291.6	1477.2	1648.3
-45°	266.2	358.5	454.4	565.7	679.6	794.6	913.9	1039.7	1205.9	1383.2	1565.0
-47.5°	231.9	322.9	415.5	510.6	619.9	730.9	842.3	969.4	1109.8	1274.8	1451.6
-50°	196.2	280.5	370.9	458.8	555.3	661.8	769.3	891.8	1024.1	1161.5	1316.3
-52.5°	163.7	234.2	318.6	405.8	492.4	586.9	691.9	806.1	928.7	1059.4	1186.8
-55°	128.2	191.3	261.4	344.5	430.0	514.2	604.4	709.1	821.9	941.3	1060.5
-57.5°	99.6	146.9	207.3	276.7	357.6	441.4	521.6	605.1	703.9	810.9	915.2
-60°	74.8	108.5	154.2	213.0	278.1	355.4	435.3	512.6	591.0	670.0	762.2
-62.5°	51.9	78.1	109.8	150.4	206.2	266.7	336.7	410.3	485.0	553.0	620.4
-65°	43.6	52.4	74.2	103.8	135.2	186.3	242.4	301.2	366.8	425.5	486.1
-67.5°	34.9	42.9	50.8	62.6	89.6	119.1	150.9	200.6	251.8	294.1	337.3
-70°	30.4	34.0	40.4	47.4	54.2	66.2	92.0	119.7	147.2	174.8	210.3
-72.5°	26.7	29.8	33.0	36.4	42.0	47.8	53.6	59.4	74.9	95.9	115.4
-75°	23.5	25.5	28.1	30.9	33.7	36.3	39.2	44.0	48.8	53.7	58.5
-77.5°	20.5	22.1	23.7	25.6	27.6	29.8	32.0	34.2	36.2	38.1	40.2
-80°	17.6	18.6	19.7	21.0	22.3	23.8	25.3	27.0	28.3	29.6	30.9
-82.5°	14.8	15.5	16.2	16.8	17.5	18.1	18.8	19.8	20.8	21.6	22.5
-85°	12.0	12.4	12.9	13.3	13.7	14.2	14.6	15.0	15.3	15.7	16.0
-87.5°	9.3	9.8	10.3	10.6	10.8	10.9	11.1	11.2	11.3	11.4	11.6
-90°	3.6	3.1	2.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1



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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	8.8	9.3	9.8	10.3	10.3	10.3	10.3	10.3	10.3	10.3
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.6	1.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	2.7	2.7	2.6	2.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	4.4	4.2	3.9	3.6	3.3	3.1	2.9	2.5	2.2	2.1	2.1
75°	6.0	6.1	6.1	5.9	5.3	4.9	4.5	4.2	3.8	3.8	3.9
72.5°	10.9	10.9	10.5	10.4	9.8	9.5	9.5	9.4	9.0	9.2	9.6
70°	21.2	21.7	21.3	19.9	17.7	16.1	15.2	14.0	12.5	12.3	12.9
67.5°	33.3	31.8	29.9	27.5	23.7	20.6	19.0	17.4	16.0	15.7	16.0
65°	42.4	36.0	31.6	28.0	25.0	22.0	20.0	18.1	16.1	15.0	14.8
62.5°	40.9	33.6	28.8	25.5	22.7	20.3	17.8	15.4	13.1	11.6	11.7
60°	38.5	30.4	24.0	20.9	18.4	16.6	14.5	12.6	11.2	10.3	10.4
57.5°	32.7	23.9	18.3	16.8	15.2	13.2	11.8	11.1	10.6	10.3	10.3
55°	25.2	20.2	16.8	15.0	13.2	11.5	10.4	10.6	10.6	10.3	10.8
52.5°	20.7	17.8	15.5	13.8	13.0	12.5	12.2	12.3	12.5	12.8	13.1
50°	18.6	16.6	15.5	14.3	14.2	14.3	14.3	14.9	15.5	15.7	15.5
47.5°	18.8	18.0	18.9	16.4	16.9	18.4	18.5	18.7	20.0	20.4	20.2
45°	23.7	28.6	28.7	26.4	25.0	30.5	30.9	27.9	42.9	42.0	31.8
42.5°	42.2	45.0	45.2	47.7	52.9	69.5	100.3	128.2	132.5	116.4	79.8
40°	68.2	65.8	71.0	85.3	126.3	163.9	192.3	277.2	276.5	216.3	217.9
37.5°	111.0	108.5	116.4	159.5	172.8	149.4	210.4	216.3	185.2	220.7	223.9
35°	191.0	216.5	188.7	234.3	236.6	211.6	227.1	253.5	216.1	258.6	277.0
32.5°	348.2	393.3	397.6	394.0	417.5	440.5	427.0	491.1	502.5	545.0	591.8
30°	565.7	652.5	718.8	706.1	745.0	813.4	835.7	933.5	1031.0	1091.5	1239.5
27.5°	985.9	1029.7	1165.7	1261.4	1239.2	1350.9	1572.5	1641.1	1920.6	2054.5	2247.2
25°	1561.2	1639.0	1832.7	2059.9	2157.2	2344.3	2704.3	2876.5	3243.7	3431.1	4137.9
22.5°	2274.0	2537.4	2780.4	3085.7	3523.8	3895.7	4295.9	4968.6	6061.4	7631.6	9506.1
20°	3087.8	3529.2	3896.8	4460.7	5186.8	5886.5	6921.7	9906.5	13076.6	19688.9	24181.4
17.5°	3857.6	4558.4	5071.9	5820.9	6893.4	8644.8	12210.9	18882.7	29368.3	42177.4	54404.5
15°	4458.4	5174.6	6126.6	7257.0	8895.1	12322.5	18836.4	32023.8	52015.4	71533.7	92070.2
12.5°	4966.0	5723.6	6767.0	8298.2	10748.4	16909.0	28620.9	48486.1	74840.0	103896.6	134597.6
10°	5292.8	6212.7	7462.3	9484.6	13556.1	22308.7	37534.6	64154.4	99578.4	137514.6	171638.0
7.5°	5350.3	6472.8	8055.6	10515.5	16342.0	27941.5	48136.8	79451.7	118248.2	160975.3	203951.1
5°	5373.2	6715.0	8557.1	11325.3	18255.9	32016.0	54244.3	89252.1	132330.4	176211.7	222463.9
2.5°	5434.6	6952.7	8925.1	11891.9	19360.0	34445.7	57773.8	96272.2	141719.7	189369.4	240937.9
0°	5562.1	7201.7	9004.7	11988.4	19591.3	34497.2	59809.7	100294.9	147843.3	195985.1	249773.7
-2.5°	5631.2	7169.8	8937.6	11791.4	19293.0	34502.6	57853.1	97496.2	144650.0	191620.9	245824.4
-5°	5512.5	6849.6	8524.1	11197.1	17987.8	31743.4	53966.2	90269.8	133792.5	176024.6	219611.5
-7.5°	5257.5	6399.2	7936.4	10353.2	15964.0	27466.6	46940.8	76750.8	113708.5	150423.2	184381.1
-10°	4960.6	5921.7	7182.5	9128.0	13103.9	21717.6	36728.7	60184.0	91928.7	123446.8	152104.2
-12.5°	4640.2	5388.6	6322.1	7667.7	10142.9	16398.2	27835.6	45812.9	67763.4	91540.0	117569.8
-15°	4366.4	4918.1	5625.7	6771.7	8659.8	12216.4	18684.8	30648.0	46388.0	65027.7	84215.6
-17.5°	4182.3	4592.6	5208.8	6083.0	7243.5	9356.0	14037.6	21130.4	31258.0	45208.6	57881.1
-20°	4050.2	4436.0	4925.0	5613.3	6585.3	8074.8	10365.5	15254.0	21918.4	30960.5	39562.4



REPORT NUMBER: P701563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3956.0	4303.1	4716.4	5270.2	6138.3	7302.2	8764.4	11137.0	15334.0	20666.2	26646.3
-25°	3863.2	4151.1	4607.0	5202.5	5799.1	6632.0	7642.6	8807.5	11043.4	13414.1	17084.9
-27.5°	3757.2	4113.4	4622.6	5179.0	5716.5	6129.9	6847.3	7650.8	8834.6	9980.8	11866.6
-30°	3679.9	4135.4	4642.1	5176.8	5590.9	5956.3	6357.5	6971.6	7737.6	8547.7	9414.6
-32.5°	3295.3	4067.7	4587.7	5067.1	5409.7	5749.1	6104.6	6530.6	7020.4	7533.5	8060.0
-35°	2779.9	3602.5	4409.3	4785.1	5132.2	5474.6	5845.2	6190.4	6535.9	6882.9	7213.6
-37.5°	2148.2	2954.3	3716.4	4373.0	4771.7	5120.3	5515.5	5869.7	6172.6	6433.4	6687.9
-40°	1876.7	2158.2	2895.4	3586.5	4166.6	4719.1	5091.5	5483.9	5821.8	6062.3	6278.4
-42.5°	1802.0	1960.5	2123.9	2653.9	3294.5	3862.3	4367.5	4858.3	5322.9	5657.3	5914.3
-45°	1737.1	1871.3	2011.3	2167.6	2323.7	2821.6	3346.8	3875.4	4422.2	4911.7	5307.9
-47.5°	1617.1	1779.6	1917.5	2046.8	2171.0	2312.6	2459.0	2669.5	3149.3	3639.1	4085.4
-50°	1468.8	1621.1	1774.8	1927.8	2042.8	2151.5	2262.8	2388.4	2528.2	2670.9	2791.2
-52.5°	1307.4	1447.4	1589.3	1724.2	1853.0	1978.1	2100.3	2211.1	2315.2	2415.8	2474.9
-55°	1176.2	1288.3	1400.1	1515.7	1633.1	1747.6	1861.2	1975.7	2086.0	2191.3	2250.2
-57.5°	1023.3	1135.0	1242.0	1330.1	1421.2	1514.2	1611.4	1710.1	1806.8	1896.9	1947.5
-60°	857.1	954.0	1046.7	1132.3	1216.6	1299.1	1378.8	1457.0	1532.2	1597.6	1637.4
-62.5°	690.0	768.9	845.7	918.5	989.4	1058.9	1133.4	1204.1	1270.5	1324.3	1357.4
-65°	547.5	607.6	661.0	713.4	765.1	824.6	888.1	948.1	1004.4	1048.3	1077.3
-67.5°	387.7	439.5	488.5	535.1	578.1	620.5	665.6	709.7	752.1	785.0	808.3
-70°	244.3	277.0	309.2	343.7	381.3	418.6	455.8	490.1	521.3	544.9	562.6
-72.5°	133.2	148.9	165.3	189.8	213.2	238.2	263.7	287.9	310.4	326.3	338.1
-75°	63.2	70.3	83.0	94.3	104.3	115.3	126.4	136.6	145.9	150.8	153.5
-77.5°	43.4	46.8	50.0	52.8	55.3	58.6	62.1	65.7	69.2	71.4	73.2
-80°	32.3	33.7	35.1	36.5	37.9	39.4	40.9	42.2	43.5	44.6	45.6
-82.5°	23.3	24.0	24.7	25.4	26.0	27.0	28.0	29.0	29.9	30.7	31.5
-85°	16.4	16.8	17.2	17.5	17.8	18.4	19.0	19.6	20.3	20.4	20.5
-87.5°	11.7	12.3	12.9	13.5	14.1	14.2	14.2	14.3	14.4	14.4	14.4
-90°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.6	1.1



REPORT NUMBER: P701563 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	10.3	10.3	11.4	12.4	11.4	10.3	10.3	10.3	10.3	10.3	10.3
87.5°	0.5	0.0	1.0	2.1	1.0	0.0	0.5	1.1	1.6	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	3.1	4.1	3.1	2.1	2.1	2.1	2.1	2.2	2.5
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	3.9	3.8	3.8	4.2
72.5°	9.9	10.1	10.3	10.3	10.3	10.1	9.9	9.6	9.2	9.0	9.4
70°	13.6	14.3	14.5	14.5	14.5	14.3	13.6	12.9	12.3	12.5	14.0
67.5°	16.3	16.4	16.5	16.5	16.5	16.4	16.3	16.0	15.7	16.0	17.4
65°	14.7	14.6	13.6	12.4	13.6	14.6	14.7	14.8	15.0	16.1	18.1
62.5°	12.0	12.4	12.4	12.4	12.4	12.4	12.0	11.7	11.6	13.1	15.4
60°	10.5	10.4	10.3	10.3	10.3	10.4	10.5	10.4	10.3	11.2	12.6
57.5°	10.3	10.3	11.1	12.4	11.1	10.3	10.3	10.3	10.3	10.6	11.1
55°	11.4	12.1	12.4	12.4	12.4	12.1	11.4	10.8	10.3	10.6	10.6
52.5°	13.0	12.6	12.4	12.4	12.4	12.6	13.0	13.1	12.8	12.5	12.3
50°	15.1	14.7	14.5	14.5	14.5	14.7	15.1	15.5	15.7	15.5	14.9
47.5°	19.8	19.0	18.5	18.6	18.5	19.0	19.8	20.2	20.4	20.0	18.7
45°	32.5	32.7	32.8	33.1	32.8	32.7	32.5	31.8	42.0	42.9	27.9
42.5°	76.7	66.3	57.3	57.9	57.3	66.3	76.7	79.8	116.4	132.5	128.2
40°	196.4	147.0	97.7	82.7	97.7	147.0	196.4	217.9	216.3	276.5	277.2
37.5°	202.3	206.3	242.8	326.7	242.8	206.3	202.3	223.9	220.7	185.2	216.3
35°	282.7	287.0	276.9	270.9	276.9	287.0	282.7	277.0	258.6	216.1	253.5
32.5°	601.1	627.8	624.5	607.9	624.5	627.8	601.1	591.8	545.0	502.5	491.1
30°	1294.7	1362.4	1355.2	1368.8	1355.2	1362.4	1294.7	1239.5	1091.5	1031.0	933.5
27.5°	2323.6	2407.3	2422.6	2404.7	2422.6	2407.3	2323.6	2247.2	2054.5	1920.6	1641.1
25°	4612.5	4744.9	4696.5	4633.7	4696.5	4744.9	4612.5	4137.9	3431.1	3243.7	2876.5
22.5°	11697.6	12221.4	12167.5	11725.8	12167.5	12221.4	11697.6	9506.1	7631.6	6061.4	4968.6
20°	32138.1	35596.3	37101.3	35061.7	37101.3	35596.3	32138.1	24181.4	19688.9	13076.6	9906.5
17.5°	68024.7	78561.2	86053.0	89179.1	86053.0	78561.2	68024.7	54404.5	42177.4	29368.3	18882.7
15°	111271.0	127131.8	136356.0	135116.7	136356.0	127131.8	111271.0	92070.2	71533.7	52015.4	32023.8
12.5°	160002.3	178801.0	194380.2	194710.4	194380.2	178801.0	160002.3	134597.6	103896.6	74840.0	48486.1
10°	207137.8	233228.7	254492.5	258613.1	254492.5	233228.7	207137.8	171638.0	137514.6	99578.4	64154.4
7.5°	242500.0	282497.2	309189.2	318969.7	309189.2	282497.2	242500.0	203951.1	160975.3	118248.2	79451.7
5°	277446.4	319357.0	346554.6	351379.6	346554.6	319357.0	277446.4	222463.9	176211.7	132330.4	89252.1
2.5°	301017.1	343293.7	367093.9	383602.3	367093.9	343293.7	301017.1	240937.9	189369.4	141719.7	96272.2
0°	314824.0	349270.5	388652.6	406950.5	388652.6	349270.5	314824.0	249773.7	195985.1	147843.3	100294.9
-2.5°	304384.9	343136.4	365683.4	386476.4	365683.4	343136.4	304384.9	245824.4	191620.9	144650.0	97496.2
-5°	269811.5	311955.9	331875.1	334474.2	331875.1	311955.9	269811.5	219611.5	176024.6	133792.5	90269.8
-7.5°	220467.8	259707.5	278832.0	289389.4	278832.0	259707.5	220467.8	184381.1	150423.2	113708.5	76750.8
-10°	178470.8	201370.5	214244.8	215092.5	214244.8	201370.5	178470.8	152104.2	123446.8	91928.7	60184.0
-12.5°	137788.9	153149.1	160763.5	160485.1	160763.5	153149.1	137788.9	117569.8	91540.0	67763.4	45812.9
-15°	101111.9	113045.2	119913.5	123206.9	119913.5	113045.2	101111.9	84215.6	65027.7	46388.0	30648.0
-17.5°	71368.1	80848.1	87730.3	90510.6	87730.3	80848.1	71368.1	57881.1	45208.6	31258.0	21130.4
-20°	48653.9	55151.0	59616.1	61511.4	59616.1	55151.0	48653.9	39562.4	30960.5	21918.4	15254.0



REPORT NUMBER: P701563 (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°	32047.8	36403.3	39464.7	39300.4	39464.7	36403.3	32047.8	26646.3	20666.2	15334.0	11137.0
-25°	20430.0	22824.9	24397.3	24524.8	24397.3	22824.9	20430.0	17084.9	13414.1	11043.4	8807.5
-27.5°	13521.9	14574.7	15209.3	15319.4	15209.3	14574.7	13521.9	11866.6	9980.8	8834.6	7650.8
-30°	10234.2	10718.7	11081.5	11066.2	11081.5	10718.7	10234.2	9414.6	8547.7	7737.6	6971.6
-32.5°	8508.1	8746.5	8905.3	9033.7	8905.3	8746.5	8508.1	8060.0	7533.5	7020.4	6530.6
-35°	7440.4	7561.8	7650.4	7731.1	7650.4	7561.8	7440.4	7213.6	6882.9	6535.9	6190.4
-37.5°	6834.3	6918.3	6974.1	6992.9	6974.1	6918.3	6834.3	6687.9	6433.4	6172.6	5869.7
-40°	6361.0	6408.4	6436.5	6453.2	6436.5	6408.4	6361.0	6278.4	6062.3	5821.8	5483.9
-42.5°	6005.9	6070.8	6104.4	6103.8	6104.4	6070.8	6005.9	5914.3	5657.3	5322.9	4858.3
-45°	5535.2	5699.4	5798.9	5841.2	5798.9	5699.4	5535.2	5307.9	4911.7	4422.2	3875.4
-47.5°	4451.3	4763.1	4981.9	5096.8	4981.9	4763.1	4451.3	4085.4	3639.1	3149.3	2669.5
-50°	2899.4	3003.6	3047.5	3029.2	3047.5	3003.6	2899.4	2791.2	2670.9	2528.2	2388.4
-52.5°	2518.7	2556.0	2578.7	2588.7	2578.7	2556.0	2518.7	2474.9	2415.8	2315.2	2211.1
-55°	2299.8	2341.4	2368.2	2382.0	2368.2	2341.4	2299.8	2250.2	2191.3	2086.0	1975.7
-57.5°	1989.7	2023.2	2043.7	2053.2	2043.7	2023.2	1989.7	1947.5	1896.9	1806.8	1710.1
-60°	1671.2	1698.7	1716.8	1726.5	1716.8	1698.7	1671.2	1637.4	1597.6	1532.2	1457.0
-62.5°	1384.1	1404.4	1422.3	1435.0	1422.3	1404.4	1384.1	1357.4	1324.3	1270.5	1204.1
-65°	1100.8	1118.9	1131.9	1139.3	1131.9	1118.9	1100.8	1077.3	1048.3	1004.4	948.1
-67.5°	827.4	842.1	854.3	862.2	854.3	842.1	827.4	808.3	785.0	752.1	709.7
-70°	577.0	587.8	598.4	605.8	598.4	587.8	577.0	562.6	544.9	521.3	490.1
-72.5°	347.4	354.2	357.4	357.7	357.4	354.2	347.4	338.1	326.3	310.4	287.9
-75°	155.0	155.4	158.6	161.3	158.6	155.4	155.0	153.5	150.8	145.9	136.6
-77.5°	74.7	75.9	77.4	78.6	77.4	75.9	74.7	73.2	71.4	69.2	65.7
-80°	46.5	47.4	47.5	47.6	47.5	47.4	46.5	45.6	44.6	43.5	42.2
-82.5°	32.3	32.9	33.1	33.1	33.1	32.9	32.3	31.5	30.7	29.9	29.0
-85°	20.6	20.7	20.7	20.7	20.7	20.7	20.6	20.5	20.4	20.3	19.6
-87.5°	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.4	14.4	14.4	14.3
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.1



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	10.3	10.3	10.3	9.8	9.3	8.8	8.3	8.3	8.3	8.3	8.3
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.4	2.4	2.4
80°	2.1	2.1	2.1	2.4	2.6	2.7	2.7	3.0	3.3	3.6	3.8
77.5°	2.9	3.1	3.3	3.6	3.9	4.2	4.4	4.7	4.9	5.1	5.1
75°	4.5	4.9	5.3	5.9	6.1	6.1	6.0	5.8	5.8	6.0	6.0
72.5°	9.5	9.5	9.8	10.4	10.5	10.9	10.9	10.2	9.1	7.4	6.2
70°	15.2	16.1	17.7	19.9	21.3	21.7	21.2	19.5	16.7	14.6	11.7
67.5°	19.0	20.6	23.7	27.5	29.9	31.8	33.3	33.7	32.2	29.0	20.8
65°	20.0	22.0	25.0	28.0	31.6	36.0	42.4	45.7	45.9	43.7	33.7
62.5°	17.8	20.3	22.7	25.5	28.8	33.6	40.9	47.6	53.9	55.6	45.2
60°	14.5	16.6	18.4	20.9	24.0	30.4	38.5	46.3	53.7	54.1	50.8
57.5°	11.8	13.2	15.2	16.8	18.3	23.9	32.7	43.5	52.5	50.8	48.9
55°	10.4	11.5	13.2	15.0	16.8	20.2	25.2	33.3	43.0	46.3	44.6
52.5°	12.2	12.5	13.0	13.8	15.5	17.8	20.7	26.4	31.3	35.9	38.8
50°	14.3	14.3	14.2	14.3	15.5	16.6	18.6	21.6	25.0	28.7	31.7
47.5°	18.5	18.4	16.9	16.4	18.9	18.0	18.8	20.1	23.3	24.3	27.4
45°	30.9	30.5	25.0	26.4	28.7	28.6	23.7	25.7	26.0	26.2	24.7
42.5°	100.3	69.5	52.9	47.7	45.2	45.0	42.2	39.3	36.5	32.4	32.6
40°	192.3	163.9	126.3	85.3	71.0	65.8	68.2	59.5	53.6	46.5	48.4
37.5°	210.4	149.4	172.8	159.5	116.4	108.5	111.0	95.1	74.3	86.7	84.6
35°	227.1	211.6	236.6	234.3	188.7	216.5	191.0	154.4	136.4	155.8	140.3
32.5°	427.0	440.5	417.5	394.0	397.6	393.3	348.2	261.2	263.7	262.5	230.9
30°	835.7	813.4	745.0	706.1	718.8	652.5	565.7	550.0	484.2	397.2	346.5
27.5°	1572.5	1350.9	1239.2	1261.4	1165.7	1029.7	985.9	957.2	782.0	619.5	494.3
25°	2704.3	2344.3	2157.2	2059.9	1832.7	1639.0	1561.2	1454.5	1228.9	906.5	687.8
22.5°	4295.9	3895.7	3523.8	3085.7	2780.4	2537.4	2274.0	2020.3	1753.3	1320.5	981.4
20°	6921.7	5886.5	5186.8	4460.7	3896.8	3529.2	3087.8	2654.2	2286.4	1842.6	1319.2
17.5°	12210.9	8644.8	6893.4	5820.9	5071.9	4558.4	3857.6	3218.7	2797.3	2398.7	1680.8
15°	18836.4	12322.5	8895.1	7257.0	6126.6	5174.6	4458.4	3722.7	3288.0	2907.4	2116.6
12.5°	28620.9	16909.0	10748.4	8298.2	6767.0	5723.6	4966.0	4249.3	3685.4	3170.0	2427.5
10°	37534.6	22308.7	13556.1	9484.6	7462.3	6212.7	5292.8	4451.6	3793.6	3308.8	2686.7
7.5°	48136.8	27941.5	16342.0	10515.5	8055.6	6472.8	5350.3	4479.2	3857.7	3407.4	2895.9
5°	54244.3	32016.0	18255.9	11325.3	8557.1	6715.0	5373.2	4430.2	3883.2	3471.5	3057.2
2.5°	57773.8	34445.7	19360.0	11891.9	8925.1	6952.7	5434.6	4437.5	3914.5	3513.9	3119.3
0°	59809.7	34497.2	19591.3	11988.4	9004.7	7201.7	5562.1	4511.7	3941.0	3539.9	3140.8
-2.5°	57853.1	34502.6	19293.0	11791.4	8937.6	7169.8	5631.2	4592.0	4004.4	3554.9	3132.4
-5°	53966.2	31743.4	17987.8	11197.1	8524.1	6849.6	5512.5	4561.1	3988.8	3533.3	3087.6
-7.5°	46940.8	27466.6	15964.0	10353.2	7936.4	6399.2	5257.5	4401.8	3839.4	3412.0	2947.0
-10°	36728.7	21717.6	13103.9	9128.0	7182.5	5921.7	4960.6	4199.2	3671.1	3277.4	2780.0
-12.5°	27835.6	16398.2	10142.9	7667.7	6322.1	5388.6	4640.2	3980.6	3486.1	3132.1	2591.7
-15°	18684.8	12216.4	8659.8	6771.7	5625.7	4918.1	4366.4	3843.0	3419.1	3021.4	2386.5
-17.5°	14037.6	9356.0	7243.5	6083.0	5208.8	4592.6	4182.3	3774.2	3382.8	2933.3	2196.2
-20°	10365.5	8074.8	6585.3	5613.3	4925.0	4436.0	4050.2	3713.4	3324.9	2717.8	1965.2



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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°	8764.4	7302.2	6138.3	5270.2	4716.4	4303.1	3956.0	3635.6	3241.4	2433.3	1709.8
-25°	7642.6	6632.0	5799.1	5202.5	4607.0	4151.1	3863.2	3531.0	2920.4	2113.4	1471.0
-27.5°	6847.3	6129.9	5716.5	5179.0	4622.6	4113.4	3757.2	3366.6	2555.6	1818.6	1446.7
-30°	6357.5	5956.3	5590.9	5176.8	4642.1	4135.4	3679.9	2939.8	2183.2	1568.0	1429.0
-32.5°	6104.6	5749.1	5409.7	5067.1	4587.7	4067.7	3295.3	2482.2	1764.7	1538.9	1397.7
-35°	5845.2	5474.6	5132.2	4785.1	4409.3	3602.5	2779.9	1994.2	1644.0	1496.3	1355.9
-37.5°	5515.5	5120.3	4771.7	4373.0	3716.4	2954.3	2148.2	1766.1	1593.6	1441.2	1289.8
-40°	5091.5	4719.1	4166.6	3586.5	2895.4	2158.2	1876.7	1705.3	1543.6	1368.1	1209.5
-42.5°	4367.5	3862.3	3294.5	2653.9	2123.9	1960.5	1802.0	1648.3	1477.2	1291.6	1125.8
-45°	3346.8	2821.6	2323.7	2167.6	2011.3	1871.3	1737.1	1565.0	1383.2	1205.9	1039.7
-47.5°	2459.0	2312.6	2171.0	2046.8	1917.5	1779.6	1617.1	1451.6	1274.8	1109.8	969.4
-50°	2262.8	2151.5	2042.8	1927.8	1774.8	1621.1	1468.8	1316.3	1161.5	1024.1	891.8
-52.5°	2100.3	1978.1	1853.0	1724.2	1589.3	1447.4	1307.4	1186.8	1059.4	928.7	806.1
-55°	1861.2	1747.6	1633.1	1515.7	1400.1	1288.3	1176.2	1060.5	941.3	821.9	709.1
-57.5°	1611.4	1514.2	1421.2	1330.1	1242.0	1135.0	1023.3	915.2	810.9	703.9	605.1
-60°	1378.8	1299.1	1216.6	1132.3	1046.7	954.0	857.1	762.2	670.0	591.0	512.6
-62.5°	1133.4	1058.9	989.4	918.5	845.7	768.9	690.0	620.4	553.0	485.0	410.3
-65°	888.1	824.6	765.1	713.4	661.0	607.6	547.5	486.1	425.5	366.8	301.2
-67.5°	665.6	620.5	578.1	535.1	488.5	439.5	387.7	337.3	294.1	251.8	200.6
-70°	455.8	418.6	381.3	343.7	309.2	277.0	244.3	210.3	174.8	147.2	119.7
-72.5°	263.7	238.2	213.2	189.8	165.3	148.9	133.2	115.4	95.9	74.9	59.4
-75°	126.4	115.3	104.3	94.3	83.0	70.3	63.2	58.5	53.7	48.8	44.0
-77.5°	62.1	58.6	55.3	52.8	50.0	46.8	43.4	40.2	38.1	36.2	34.2
-80°	40.9	39.4	37.9	36.5	35.1	33.7	32.3	30.9	29.6	28.3	27.0
-82.5°	28.0	27.0	26.0	25.4	24.7	24.0	23.3	22.5	21.6	20.8	19.8
-85°	19.0	18.4	17.8	17.5	17.2	16.8	16.4	16.0	15.7	15.3	15.0
-87.5°	14.2	14.2	14.1	13.5	12.9	12.3	11.7	11.6	11.4	11.3	11.2
-90°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1



REPORT NUMBER: P701563 (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°	8.3	8.3	8.3	8.3	7.8	7.3	6.7	6.2	6.2	6.2	6.2
87.5°	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.1	4.1	4.1
85°	2.3	2.4	2.4	2.4	2.7	3.1	3.6	4.1	4.1	4.1	4.1
82.5°	2.7	3.1	3.4	3.5	3.5	3.6	3.8	4.1	4.2	4.1	4.1
80°	3.7	3.7	3.9	4.1	4.1	4.1	4.0	4.1	4.4	4.5	4.4
77.5°	4.6	4.3	4.1	4.1	4.1	4.1	4.1	4.2	4.7	4.9	4.9
75°	5.5	4.8	4.3	4.2	4.2	4.1	4.1	4.3	4.8	5.3	5.4
72.5°	5.9	5.5	4.8	4.4	4.7	4.7	4.4	4.3	4.8	5.3	5.8
70°	8.8	6.7	5.8	5.4	5.3	5.4	5.3	5.0	4.9	5.4	5.9
67.5°	13.5	10.3	7.9	6.4	5.9	5.8	6.1	5.7	5.4	5.5	5.9
65°	24.2	16.2	10.1	8.1	6.7	6.1	6.2	6.3	5.9	5.7	6.0
62.5°	34.6	24.1	16.5	10.7	7.6	6.5	6.2	6.5	6.3	6.0	6.1
60°	45.1	33.7	23.5	16.5	10.4	6.7	6.4	6.8	6.7	6.2	6.2
57.5°	45.6	41.9	33.0	23.1	15.3	9.0	6.7	7.1	7.1	6.6	6.2
55°	43.4	41.3	39.5	31.5	21.2	13.2	8.3	7.6	7.6	7.1	6.3
52.5°	38.6	40.6	41.0	37.5	28.4	18.0	12.2	8.1	8.2	7.7	6.9
50°	33.4	38.9	42.0	40.3	34.7	24.8	15.7	10.9	8.8	8.3	7.5
47.5°	31.3	37.8	42.2	43.2	38.4	31.4	21.0	13.6	9.5	9.0	8.0
45°	31.7	36.9	42.6	44.7	42.7	36.0	26.8	16.2	11.6	9.6	8.6
42.5°	34.2	38.8	42.5	47.2	45.5	39.8	32.5	20.8	13.6	10.2	9.1
40°	46.4	43.3	44.2	49.3	48.9	43.5	36.0	25.7	15.4	11.1	9.7
37.5°	62.8	55.1	50.0	56.4	53.9	47.3	39.2	30.4	17.7	12.5	10.2
35°	107.2	73.8	73.4	73.7	64.1	51.8	42.3	34.2	21.9	13.8	10.7
32.5°	163.5	127.3	124.0	103.2	78.1	56.9	46.1	37.5	26.1	14.9	11.2
30°	272.5	244.9	193.9	141.4	100.0	70.2	51.5	41.0	30.3	15.9	11.8
27.5°	451.5	389.9	288.7	205.8	136.8	87.3	59.1	44.6	34.5	17.8	12.6
25°	636.5	557.9	429.4	288.5	179.3	121.9	67.7	48.4	37.8	21.1	13.4
22.5°	815.6	732.7	588.3	382.5	241.4	166.4	86.5	55.2	40.8	24.2	14.0
20°	990.1	911.7	750.8	468.2	314.5	220.9	119.0	62.5	43.7	27.2	14.6
17.5°	1182.8	1049.4	842.1	568.6	386.9	275.7	156.4	70.1	46.5	30.0	15.1
15°	1419.5	1130.9	930.1	657.8	451.4	330.5	197.6	77.9	49.3	32.7	15.7
12.5°	1631.3	1206.3	1016.8	736.0	508.5	384.7	241.2	85.8	52.0	35.7	16.6
10°	1830.3	1275.6	1100.5	803.5	558.9	437.6	285.8	94.6	56.2	39.0	17.5
7.5°	2012.0	1339.0	1179.2	860.6	600.1	473.9	313.4	105.4	60.6	42.2	18.4
5°	2160.2	1389.3	1234.1	899.5	620.4	491.5	333.4	115.8	64.8	45.0	19.2
2.5°	2229.9	1423.9	1267.8	928.7	637.6	505.2	348.1	125.6	68.8	47.5	20.0
0°	2266.2	1453.6	1290.2	949.1	651.3	514.9	357.7	134.4	72.4	49.6	20.7
-2.5°	2271.5	1460.2	1295.9	969.9	673.0	529.0	370.4	158.3	91.0	61.0	27.1
-5°	2242.9	1461.0	1291.8	981.5	690.4	539.2	378.8	180.7	108.8	71.7	33.3
-7.5°	2145.6	1439.0	1269.7	982.5	702.9	545.4	383.7	201.3	125.5	81.5	39.1
-10°	2008.3	1400.4	1226.9	965.8	714.6	554.2	387.8	219.8	140.7	90.2	44.3
-12.5°	1840.4	1357.0	1183.1	945.7	723.3	566.2	400.8	238.5	154.3	97.6	48.9
-15°	1643.1	1309.0	1140.6	923.6	728.5	575.9	410.0	255.1	166.7	104.1	52.5
-17.5°	1426.2	1256.7	1101.9	901.3	730.3	583.7	415.3	267.7	177.1	109.9	55.9
-20°	1378.0	1225.6	1067.8	880.2	729.1	590.0	416.9	276.1	185.2	113.8	58.9



REPORT NUMBER: P701563 (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°	1359.6	1211.6	1045.8	870.5	727.2	595.1	414.9	279.9	190.9	115.6	60.5
-25°	1340.5	1194.7	1020.9	856.9	726.9	588.1	413.6	278.7	194.2	115.3	60.8
-27.5°	1318.0	1171.0	989.9	835.3	712.2	577.1	411.0	281.3	194.3	112.6	59.7
-30°	1292.6	1130.8	958.5	808.4	692.1	547.7	401.7	280.9	190.9	110.1	57.0
-32.5°	1256.6	1084.4	919.4	782.2	659.1	515.6	381.0	276.8	184.2	106.8	55.1
-35°	1195.4	1030.9	872.2	749.6	620.5	485.3	358.9	269.2	174.3	101.4	52.7
-37.5°	1127.5	970.0	830.7	709.0	580.2	452.0	342.0	252.0	161.2	93.7	49.0
-40°	1056.1	910.7	784.9	663.4	540.0	416.0	321.4	230.7	149.0	83.7	44.1
-42.5°	980.5	855.1	734.3	616.5	497.7	389.2	297.0	206.2	133.3	75.1	38.0
-45°	913.9	794.6	679.6	565.7	454.4	358.5	266.2	179.7	115.0	66.6	33.0
-47.5°	842.3	730.9	619.9	510.6	415.5	322.9	231.9	156.4	94.7	56.4	30.8
-50°	769.3	661.8	555.3	458.8	370.9	280.5	196.2	130.5	80.6	44.2	28.2
-52.5°	691.9	586.9	492.4	405.8	318.6	234.2	163.7	103.2	65.3	37.6	25.1
-55°	604.4	514.2	430.0	344.5	261.4	191.3	128.2	84.1	48.7	33.4	22.0
-57.5°	521.6	441.4	357.6	276.7	207.3	146.9	99.6	63.7	40.8	29.0	20.9
-60°	435.3	355.4	278.1	213.0	154.2	108.5	74.8	47.1	35.3	24.9	19.6
-62.5°	336.7	266.7	206.2	150.4	109.8	78.1	51.9	40.3	29.4	23.2	18.2
-65°	242.4	186.3	135.2	103.8	74.2	52.4	43.6	33.2	26.5	21.4	16.9
-67.5°	150.9	119.1	89.6	62.6	50.8	42.9	34.9	29.1	24.2	19.5	16.0
-70°	92.0	66.2	54.2	47.4	40.4	34.0	30.4	26.3	21.8	18.2	14.9
-72.5°	53.6	47.8	42.0	36.4	33.0	29.8	26.7	23.5	20.0	16.8	13.8
-75°	39.2	36.3	33.7	30.9	28.1	25.5	23.5	21.2	18.1	15.3	12.6
-77.5°	32.0	29.8	27.6	25.6	23.7	22.1	20.5	18.9	16.2	13.7	11.4
-80°	25.3	23.8	22.3	21.0	19.7	18.6	17.6	16.5	14.2	12.1	10.1
-82.5°	18.8	18.1	17.5	16.8	16.2	15.5	14.8	14.0	12.1	10.4	9.0
-85°	14.6	14.2	13.7	13.3	12.9	12.4	12.0	11.4	10.1	9.0	8.1
-87.5°	11.1	10.9	10.8	10.6	10.3	9.8	9.3	8.8	8.2	7.6	7.1
-90°	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.1	4.1	4.1



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.2	6.2	6.2	6.2	6.2	5.1	4.1
87.5°	4.1	4.2	4.3	4.3	4.3	4.2	4.1
85°	4.1	4.3	4.5	4.5	4.5	4.3	4.1
82.5°	4.1	4.5	4.7	4.7	4.6	4.4	4.1
80°	4.2	4.6	4.8	4.9	4.8	4.5	4.1
77.5°	4.7	4.8	5.0	5.1	5.0	4.6	4.1
75°	5.3	5.1	5.2	5.4	5.2	4.6	4.1
72.5°	5.8	5.5	5.4	5.6	5.4	4.7	4.1
70°	6.2	5.8	5.6	5.8	5.5	4.8	4.1
67.5°	6.2	6.1	5.8	5.9	5.7	4.9	4.1
65°	6.2	6.2	5.9	5.9	5.9	5.0	4.1
62.5°	6.2	6.2	6.1	6.0	6.0	5.1	4.1
60°	6.2	6.2	6.2	6.0	6.2	5.1	4.1
57.5°	6.3	6.2	6.2	6.1	6.2	5.2	4.1
55°	6.4	6.2	6.2	6.1	6.2	5.3	4.1
52.5°	6.6	6.2	6.2	6.2	6.2	5.4	4.1
50°	6.8	6.4	6.2	6.2	6.2	5.4	4.1
47.5°	7.1	6.6	6.2	6.2	6.2	5.5	4.1
45°	7.5	6.9	6.2	6.2	6.2	5.6	4.1
42.5°	8.0	7.1	6.2	6.2	6.2	5.6	4.1
40°	8.5	7.4	6.3	6.2	6.2	5.7	4.1
37.5°	8.9	7.7	6.5	6.2	6.2	5.8	4.1
35°	9.3	8.0	6.7	6.2	6.2	5.8	4.1
32.5°	9.8	8.3	6.9	6.2	6.2	5.9	4.1
30°	10.1	8.7	7.2	6.2	6.2	5.9	4.1
27.5°	10.5	9.0	7.3	6.2	6.2	6.0	4.1
25°	10.9	9.3	7.5	6.2	6.2	6.0	4.1
22.5°	11.2	9.5	7.7	6.2	6.2	6.0	4.1
20°	11.6	9.7	7.8	6.2	6.2	6.1	4.1
17.5°	11.9	9.8	7.9	6.2	6.2	6.1	4.1
15°	12.3	10.0	8.0	6.2	6.2	6.1	4.1
12.5°	12.7	10.1	8.1	6.2	6.2	6.2	4.1
10°	13.1	10.1	8.2	6.2	6.2	6.2	4.1
7.5°	13.5	10.2	8.2	6.2	6.2	6.2	4.1
5°	13.9	10.3	8.3	6.2	6.2	6.2	4.1
2.5°	14.2	10.3	8.3	6.2	6.2	6.2	4.1
0°	14.5	10.3	8.3	6.2	6.2	6.2	4.1
-2.5°	17.0	11.2	8.7	6.5	6.3	6.2	4.1
-5°	19.3	12.1	9.0	6.7	6.4	6.2	4.1
-7.5°	21.5	12.9	9.3	7.0	6.5	6.2	4.1
-10°	23.5	13.7	9.6	7.2	6.6	6.2	4.1
-12.5°	25.2	14.3	9.9	7.5	6.6	6.2	4.1
-15°	26.7	14.9	10.2	7.7	6.7	6.1	4.1
-17.5°	27.8	15.4	10.4	7.9	6.8	6.1	4.1
-20°	28.8	15.8	10.6	8.1	6.8	6.1	4.1



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 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	29.7	16.0	10.8	8.3	6.9	6.1	4.1
-25°	30.0	16.2	11.0	8.5	6.9	6.0	4.1
-27.5°	29.6	16.3	11.2	8.6	7.0	6.0	4.1
-30°	28.3	16.2	11.3	8.7	7.0	6.0	4.1
-32.5°	26.3	15.9	11.4	8.8	7.0	6.0	4.1
-35°	25.3	15.4	11.4	8.8	7.0	5.9	4.1
-37.5°	24.7	15.0	11.4	8.8	7.0	5.9	4.1
-40°	23.7	15.0	11.4	8.8	6.9	5.9	4.1
-42.5°	22.5	14.9	11.3	8.8	6.9	5.8	4.1
-45°	21.0	14.7	11.2	8.7	6.8	5.8	4.1
-47.5°	19.1	14.4	11.0	8.6	6.7	5.8	4.1
-50°	18.4	14.0	10.8	8.4	6.7	5.7	4.1
-52.5°	17.8	13.5	10.6	8.3	6.6	5.7	4.1
-55°	17.0	13.1	10.4	8.1	6.5	5.7	4.1
-57.5°	16.1	12.7	10.1	7.9	6.3	5.6	4.1
-60°	15.2	12.3	9.8	7.7	6.2	5.6	4.1
-62.5°	14.5	11.8	9.4	7.5	6.2	5.6	4.1
-65°	13.8	11.2	9.0	7.2	6.2	5.5	4.1
-67.5°	13.0	10.7	8.6	7.0	6.2	5.5	4.1
-70°	12.2	10.0	8.2	6.7	6.2	5.5	4.1
-72.5°	11.3	9.4	7.7	6.6	6.2	5.4	4.1
-75°	10.3	8.7	7.3	6.6	6.2	5.4	4.1
-77.5°	9.4	8.0	7.1	6.5	6.2	5.4	4.1
-80°	8.4	7.5	6.9	6.5	6.2	5.3	4.1
-82.5°	7.8	7.2	6.7	6.4	6.2	5.3	4.1
-85°	7.3	6.9	6.6	6.3	6.2	5.2	4.1
-87.5°	6.7	6.5	6.4	6.3	6.2	5.2	4.1
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1

(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

