

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: P701564 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-70-3S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701564 (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-57-70-3S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

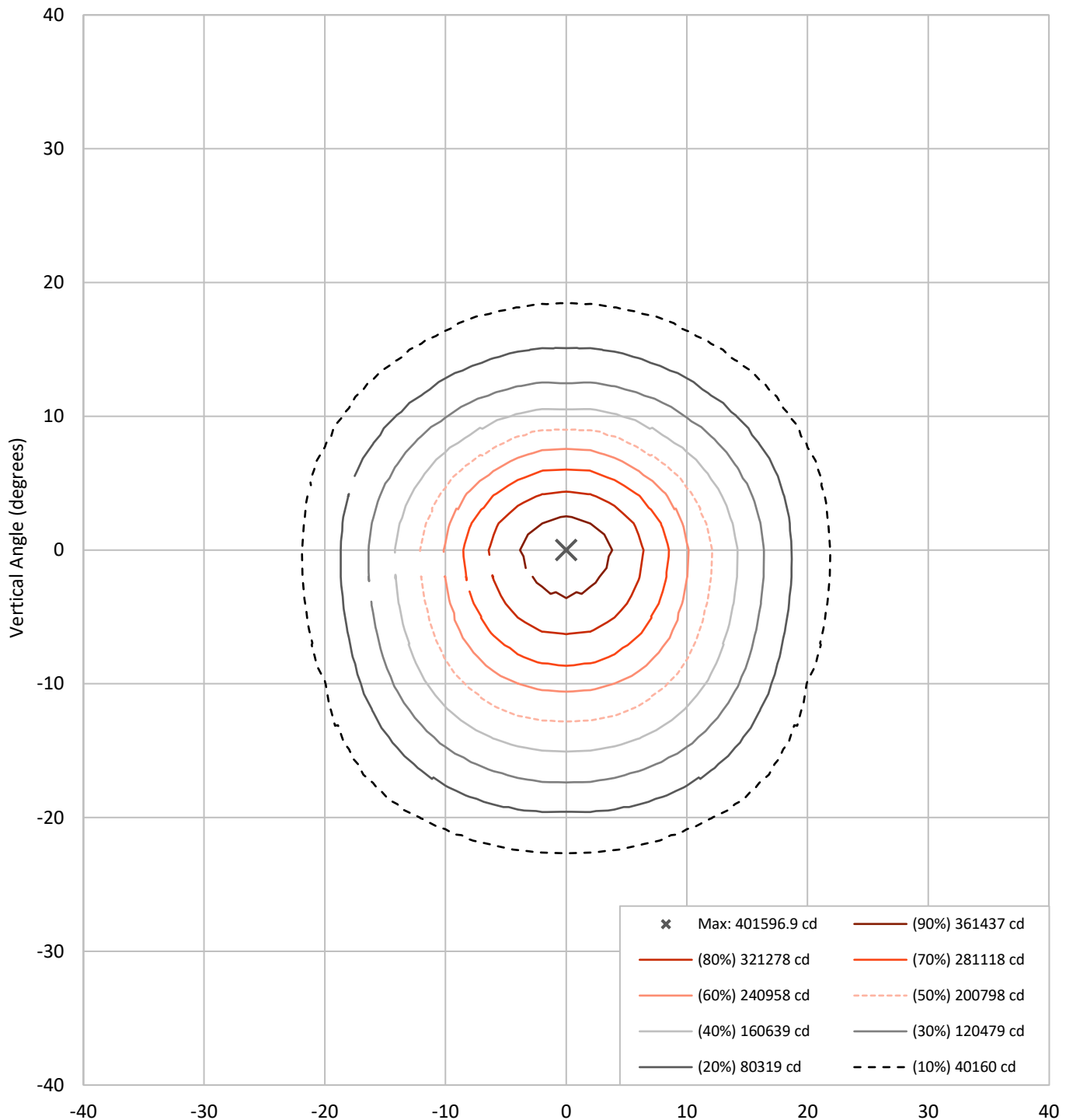
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	79270.4 lumens	Max Intensity:	401596.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	120.5 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:	35918.5 lumens	Field Lumens:	67972.9 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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CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV2-S

Iso-Candela Plot





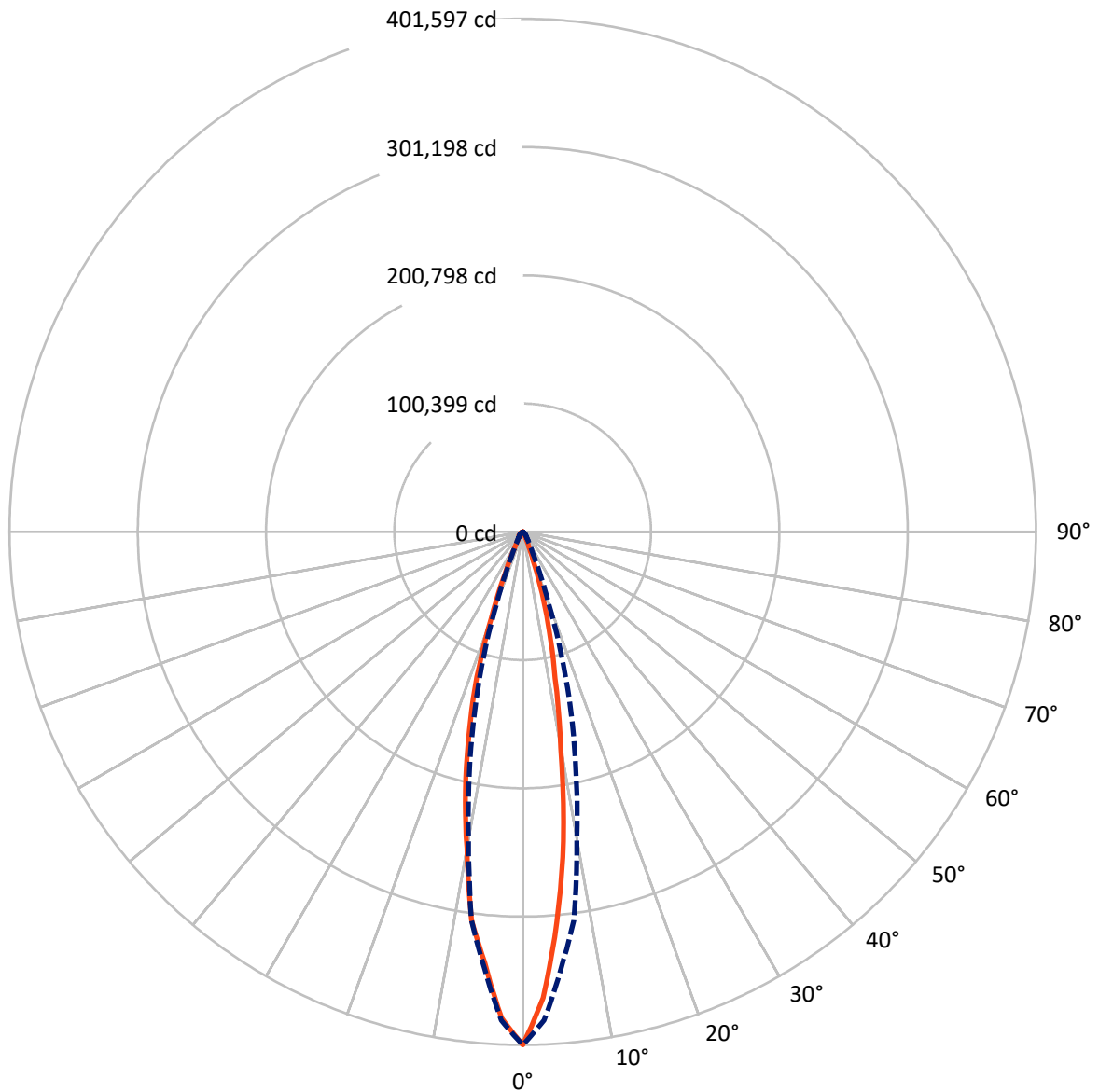
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Lumen Table

90	0.2	0.6	0.8	0.7	0.5	0.7	0.8	0.6	0.2								
80	0.2	0.6	0.8	0.7	0.5	0.7	0.8	0.6	0.2								
70	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	
60		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		
50	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	
40		0.3	1.0	2.2	4.3	6.6	8.4	10.3	10.3	8.4	6.6	4.3	2.2	1.0	0.3		
30	0.3	0.5	3.3	10.5	27.6	47.5	109.0	227.7	227.7	109.0	47.5	27.6	10.5	3.3	0.5	0.3	
20		1.1	7.8	28.1	69.4	190.3	1000.3	2348.7	2348.7	1000.3	190.3	69.4	28.1	7.8	1.1		
10	0.4	2.1	13.8	52.6	127.1	572.9	3452.9	7898.9	7898.9	3452.9	572.9	127.1	52.6	13.8	2.1	0.4	
0		3.5	18.2	63.6	145.8	618.3	3984.7	8979.4	8979.4	3984.7	618.3	145.8	63.6	18.2	3.5		
-10	0.7	4.0	18.5	60.5	133.9	360.4	2037.5	4461.0	4461.0	2037.5	360.4	133.9	60.5	18.5	4.0	0.7	
-20		3.8	15.5	39.5	92.2	162.6	373.6	761.1	761.1	373.6	162.6	92.2	39.5	15.5	3.8		
-30	0.6	3.3	11.2	24.2	53.6	95.6	132.3	160.1	160.1	132.3	95.6	53.6	24.2	11.2	3.3	0.6	
-40		2.2	7.8	17.0	30.7	52.8	85.8	111.6	111.6	85.8	52.8	30.7	17.0	7.8	2.2		
-50	0.3	1.1	4.8	11.2	20.1	30.2	39.3	45.2	45.2	39.3	30.2	20.1	11.2	4.8	1.1	0.3	
-60		0.4	1.8	5.7	11.3	18.1	24.9	29.1	29.1	24.9	18.1	11.3	5.7	1.8	0.4		
-70	0.3	0.4	1.8	5.7	11.3	18.1	24.9	29.1	29.1	24.9	18.1	11.3	5.7	1.8	0.4	0.3	
-80		0.3	1.1	3.9	10.9	15.7	10.9	3.9	1.1	0.3							
-90	0.3	1.1	3.9	10.9	15.7	10.9	3.9	1.1	0.3								

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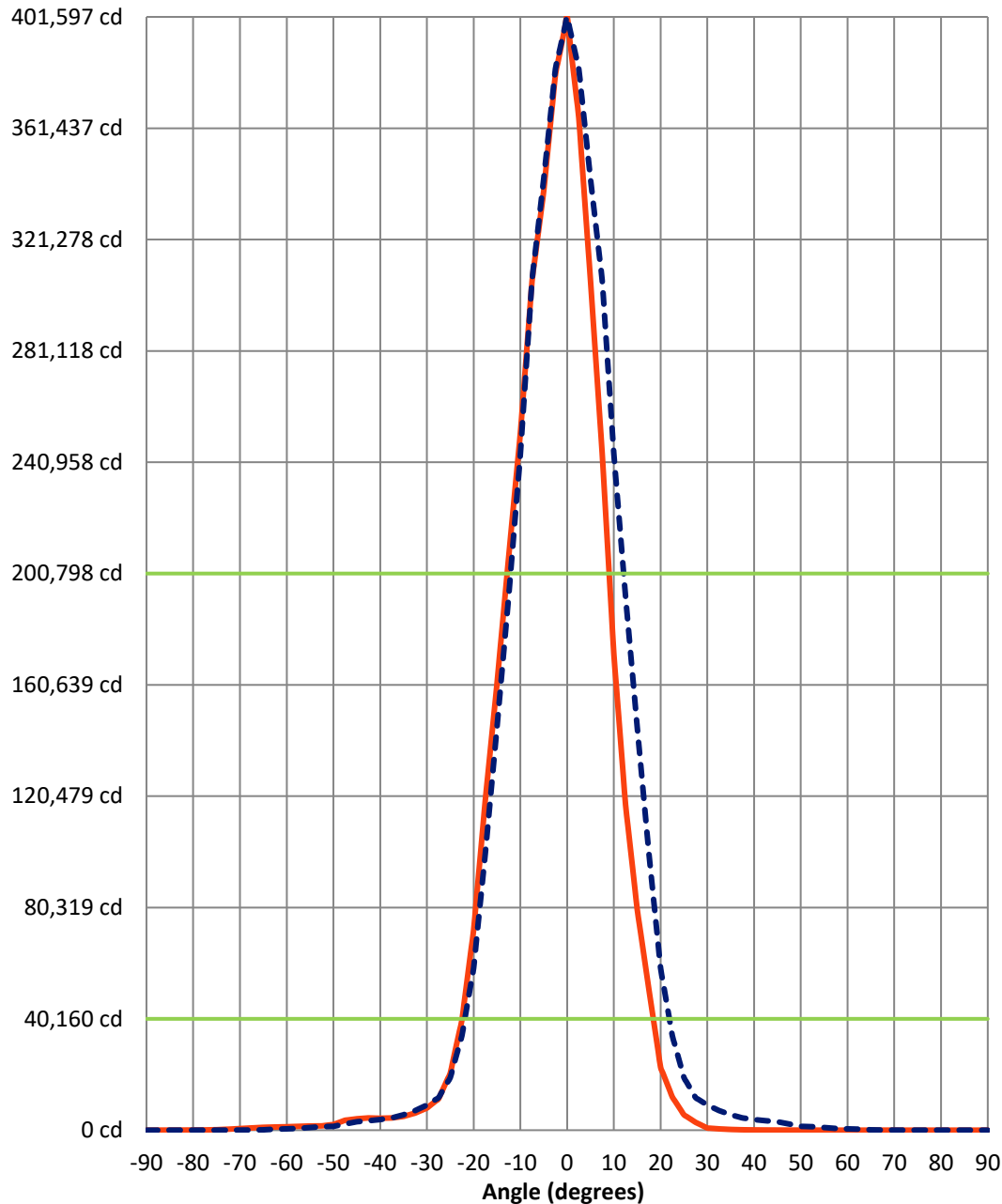
Luminous Intensity Polar Plot



— 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: 35918.5
 Efficiency: 45.3%

Field:
 H Angle: 43.8°
 V Angle: 40.9°
 Lumens: 67972.9
 Efficiency: 85.7%

Spill:
 Lumens: 11297.5
 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°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.8	11.4	11.9	12.4
87.5°	10.3	10.3	10.5	10.5	10.5	10.4	10.3	10.3	10.3	10.3	10.3
85°	10.3	10.4	10.7	10.7	10.7	10.5	10.3	10.3	10.3	10.3	10.3
82.5°	10.3	10.4	10.8	10.9	10.9	10.7	10.3	10.3	10.3	10.4	10.3
80°	10.3	10.5	11.0	11.1	11.0	10.8	10.4	10.6	10.7	10.6	10.3
77.5°	10.3	10.5	11.2	11.3	11.2	11.0	10.9	11.1	11.1	10.9	10.4
75°	10.3	10.6	11.3	11.6	11.4	11.3	11.5	11.6	11.5	11.0	10.5
72.5°	10.3	10.6	11.5	11.8	11.6	11.7	12.0	12.0	11.5	11.0	10.5
70°	10.3	10.6	11.6	12.0	11.8	12.0	12.4	12.1	11.6	11.1	10.6
67.5°	10.3	10.7	11.8	12.1	12.0	12.3	12.4	12.1	11.6	11.2	10.7
65°	10.3	10.7	11.9	12.1	12.1	12.4	12.4	12.2	11.7	11.2	10.9
62.5°	10.3	10.7	12.0	12.2	12.3	12.4	12.4	12.3	11.8	11.4	11.6
60°	10.3	10.8	12.1	12.2	12.4	12.4	12.4	12.3	11.9	11.8	12.2
57.5°	10.3	10.8	12.1	12.3	12.4	12.4	12.4	12.4	12.1	12.2	12.4
55°	10.3	10.8	12.1	12.3	12.4	12.4	12.4	12.4	12.2	12.4	12.4
52.5°	10.3	10.8	12.1	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
50°	10.3	10.8	12.0	12.4	12.4	12.4	12.4	12.5	12.4	12.4	13.3
47.5°	10.3	10.8	12.0	12.4	12.4	12.4	12.4	12.7	12.4	12.4	14.2
45°	10.3	10.8	12.0	12.4	12.4	12.4	12.6	12.9	12.5	13.1	15.0
42.5°	10.3	10.8	12.0	12.4	12.4	12.4	12.8	13.0	12.6	13.6	15.8
40°	10.3	10.8	12.0	12.4	12.4	12.4	13.0	13.1	12.9	14.1	16.3
37.5°	10.3	10.8	12.1	12.4	12.4	12.4	13.3	13.3	13.5	14.8	16.6
35°	10.3	10.8	12.1	12.4	12.4	12.5	13.6	13.4	14.1	15.7	16.7
32.5°	10.3	10.8	12.1	12.4	12.4	12.8	13.8	13.5	14.7	16.6	18.2
30°	10.3	10.8	12.1	12.4	12.4	13.0	13.9	13.7	15.2	17.7	20.0
27.5°	10.3	10.7	12.1	12.4	12.4	13.2	14.1	14.2	15.9	18.9	22.3
25°	10.3	10.7	12.2	12.4	12.4	13.5	14.2	14.6	16.8	20.5	25.1
22.5°	10.3	10.7	12.2	12.4	12.4	13.7	14.3	15.0	17.7	22.5	30.6
20°	10.3	10.6	12.2	12.4	12.4	13.9	14.5	15.4	18.7	24.8	36.0
17.5°	10.3	10.6	12.3	12.4	12.4	14.0	14.6	15.7	19.7	27.2	41.1
15°	10.3	10.6	12.3	12.4	12.4	14.1	14.8	16.1	20.8	29.6	46.0
12.5°	10.3	10.5	12.3	12.4	12.4	14.2	15.1	16.6	22.5	32.1	50.6
10°	10.3	10.5	12.3	12.4	12.4	14.3	15.3	17.1	25.0	37.1	58.7
7.5°	10.3	10.4	12.4	12.4	12.4	14.4	15.6	17.5	27.6	42.5	75.3
5°	10.3	10.4	12.4	12.4	12.4	14.5	15.9	17.9	30.2	47.8	92.4
2.5°	10.3	10.3	12.4	12.4	12.4	14.5	16.2	18.3	32.7	53.0	109.6
0°	10.3	10.3	12.4	12.4	12.4	14.5	16.5	18.6	35.1	57.9	126.1
-2.5°	10.3	10.3	12.4	12.4	12.4	14.5	18.1	24.7	46.6	76.9	153.3
-5°	10.3	10.3	12.4	12.4	12.4	14.5	19.7	30.7	57.6	95.1	178.6
-7.5°	10.3	10.3	12.4	12.4	12.4	14.4	21.1	36.2	67.8	112.2	201.7
-10°	10.3	10.3	12.3	12.4	12.4	14.3	22.3	41.2	77.1	127.7	222.0
-12.5°	10.3	10.3	12.3	12.4	12.4	14.2	23.2	45.3	85.2	141.3	236.2
-15°	10.3	10.3	12.3	12.4	12.4	14.1	23.9	48.6	92.4	152.2	246.1
-17.5°	10.3	10.3	12.2	12.4	12.4	14.0	24.1	51.6	98.9	161.4	253.2
-20°	10.3	10.3	12.1	12.4	12.4	13.9	24.5	54.2	103.6	168.7	257.3



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 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	10.3	10.3	12.1	12.4	12.4	13.7	25.2	55.6	106.5	174.0	258.3
-25°	10.3	10.3	12.0	12.4	12.4	13.9	25.2	55.6	107.3	177.2	256.1
-27.5°	10.3	10.3	11.9	12.4	12.4	14.2	24.6	54.1	106.0	178.1	258.5
-30°	10.3	10.3	11.8	12.4	12.4	14.3	23.1	51.2	103.8	176.3	258.4
-32.5°	10.3	10.3	11.7	12.4	12.6	14.3	20.9	49.0	100.2	171.5	255.4
-35°	10.3	10.3	11.6	12.4	12.8	14.2	20.0	46.3	94.4	163.6	249.5
-37.5°	10.3	10.3	11.5	12.4	12.9	14.0	19.8	42.4	86.4	152.6	231.0
-40°	10.3	10.3	11.4	12.4	13.0	14.2	19.4	37.3	76.1	140.8	209.8
-42.5°	10.3	10.3	11.3	12.4	13.1	14.3	18.7	30.9	67.3	124.0	187.2
-45°	10.3	10.3	11.2	12.5	13.2	14.4	17.7	26.1	58.5	105.2	163.7
-47.5°	10.3	10.3	11.0	12.5	13.2	14.5	16.5	24.6	48.1	85.2	141.0
-50°	10.3	10.3	10.9	12.4	13.3	14.5	16.3	22.7	35.7	71.0	116.6
-52.5°	10.3	10.3	10.8	12.2	13.3	14.5	16.2	20.5	29.8	55.8	91.7
-55°	10.3	10.3	10.6	12.0	13.3	14.4	16.1	18.2	26.6	39.5	73.1
-57.5°	10.3	10.3	10.5	11.9	13.2	14.3	15.9	17.9	23.1	32.5	53.4
-60°	10.3	10.3	10.3	11.7	13.2	14.2	15.7	17.6	20.0	27.9	37.7
-62.5°	10.3	10.3	10.3	11.5	12.9	14.0	15.4	17.1	19.2	22.9	31.8
-65°	10.3	10.3	10.3	11.2	12.6	13.9	15.1	16.5	18.3	20.8	25.5
-67.5°	10.3	10.3	10.3	11.0	12.3	13.6	14.8	16.0	17.3	19.4	22.2
-70°	10.3	10.3	10.3	10.8	12.0	13.2	14.4	15.3	16.4	17.9	20.2
-72.5°	10.3	10.3	10.3	10.7	11.7	12.8	13.9	14.7	15.5	16.7	18.1
-75°	10.3	10.3	10.3	10.7	11.3	12.4	13.4	14.0	14.6	15.4	16.5
-77.5°	10.3	10.3	10.3	10.6	11.2	12.0	12.9	13.4	13.9	14.3	14.9
-80°	10.3	10.3	10.3	10.6	11.0	11.6	12.4	12.8	13.2	13.5	13.8
-82.5°	10.3	10.3	10.3	10.5	10.8	11.3	11.9	12.2	12.4	12.7	13.0
-85°	10.3	10.3	10.3	10.4	10.7	11.0	11.4	11.8	12.1	12.3	12.4
-87.5°	10.3	10.3	10.3	10.4	10.5	10.6	10.8	11.3	11.7	12.1	12.4
-90°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3



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 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	11.9	11.4	10.8	10.3	10.3	10.3	10.3	10.3	9.8	9.3	8.8
87.5°	9.8	9.3	8.8	8.3	8.3	8.3	8.3	8.3	7.8	7.3	6.7
85°	9.8	9.3	8.9	8.6	8.6	8.6	8.5	8.3	7.8	7.3	6.7
82.5°	10.0	9.8	9.7	9.7	9.6	9.3	8.8	8.3	7.8	7.3	6.8
80°	10.2	10.3	10.3	10.3	9.9	9.4	8.9	8.4	7.9	7.3	6.8
77.5°	10.3	10.3	10.3	10.3	9.9	9.4	8.9	8.4	7.9	7.4	6.9
75°	10.3	10.3	10.3	10.3	10.0	9.5	9.0	8.9	8.8	8.6	8.5
72.5°	10.3	10.3	10.3	10.3	10.1	9.9	9.9	10.1	10.6	10.7	10.5
70°	10.3	10.3	10.5	10.5	10.3	10.5	11.4	12.6	13.6	14.5	17.2
67.5°	10.4	10.9	11.0	10.9	11.1	12.2	13.5	19.0	25.8	28.8	30.5
65°	11.3	11.7	11.6	11.8	12.3	16.3	22.3	30.3	39.0	41.0	40.8
62.5°	12.2	12.1	12.2	13.4	16.6	22.1	30.4	39.6	49.3	47.5	41.0
60°	12.4	12.3	13.7	16.9	21.1	28.5	38.1	42.7	45.8	45.7	37.6
57.5°	12.4	13.5	16.3	20.6	26.9	33.1	35.2	37.9	40.1	41.3	32.4
55°	12.9	15.2	19.0	24.8	29.7	28.9	30.0	31.8	33.3	31.4	23.3
52.5°	14.3	17.0	21.9	27.1	28.1	26.0	24.4	25.7	24.6	21.3	17.6
50°	15.5	19.1	24.2	27.5	26.9	23.4	20.2	20.7	19.7	17.2	15.1
47.5°	16.9	20.9	25.9	28.1	25.2	22.9	20.2	19.4	18.4	19.2	18.1
45°	18.1	22.4	27.7	27.2	25.4	24.6	23.3	20.5	23.7	24.8	24.5
42.5°	19.1	23.5	27.6	26.7	28.2	28.9	28.5	29.6	31.5	34.4	35.6
40°	19.7	24.2	28.7	31.8	32.6	35.4	39.3	42.3	43.4	47.5	50.3
37.5°	20.0	26.4	32.9	40.9	39.9	45.7	52.1	63.3	66.7	62.7	70.4
35°	20.0	29.9	44.2	55.2	56.7	59.2	76.0	92.9	103.3	93.0	102.6
32.5°	22.1	34.6	58.6	74.1	85.2	87.9	104.5	139.4	157.3	159.8	160.8
30°	27.3	47.9	76.4	96.6	121.8	142.1	158.1	198.2	226.8	297.9	355.3
27.5°	34.0	64.0	97.8	130.4	168.2	205.8	243.7	275.3	368.0	501.6	650.5
25°	40.5	87.4	121.6	172.0	229.4	284.3	335.3	378.4	559.4	833.0	1016.1
22.5°	53.3	115.0	155.8	218.3	296.8	369.1	432.1	546.2	799.2	1204.3	1401.3
20°	74.0	144.2	197.9	274.0	372.4	456.7	530.5	721.4	1090.6	1470.5	1714.9
17.5°	96.7	174.8	243.7	344.1	470.0	563.3	638.9	891.8	1373.2	1736.1	1985.1
15°	120.7	206.3	288.9	420.4	576.9	692.6	846.0	1156.8	1622.7	1996.9	2302.2
12.5°	145.3	238.1	333.2	500.9	690.5	823.2	1098.5	1549.3	1965.1	2291.4	2748.3
10°	169.8	269.8	376.0	583.3	808.0	953.8	1376.3	1937.3	2339.1	2674.7	3200.1
7.5°	217.7	314.4	422.0	665.3	926.5	1083.2	1667.5	2314.8	2689.3	3030.9	3584.5
5°	269.4	371.8	493.6	767.4	1044.0	1199.9	1938.2	2674.7	3017.7	3361.7	3910.6
2.5°	319.5	427.0	562.8	866.5	1154.2	1294.8	2099.9	2874.6	3230.7	3618.6	4188.0
0°	366.0	479.7	628.6	957.3	1255.1	1383.3	2231.0	3043.6	3409.5	3833.4	4431.0
-2.5°	403.5	531.3	690.3	1008.9	1290.1	1433.6	2257.9	3105.7	3501.9	3955.9	4547.6
-5°	434.8	579.1	747.2	1051.6	1317.2	1478.0	2252.5	3127.8	3579.4	4048.8	4653.9
-7.5°	459.3	622.6	798.7	1082.4	1331.3	1499.2	2245.8	3157.3	3664.4	4112.1	4739.9
-10°	472.8	640.5	809.7	1078.2	1327.8	1503.8	2196.7	3139.5	3733.8	4158.1	4766.8
-12.5°	458.6	634.8	806.9	1064.5	1318.5	1502.9	2090.0	3071.4	3789.1	4189.5	4715.9
-15°	442.0	625.4	795.8	1041.5	1304.1	1496.6	1919.9	2950.6	3761.3	4074.9	4566.5
-17.5°	423.9	612.5	775.8	1009.0	1285.2	1484.9	1670.7	2644.2	3477.1	3879.0	4404.7
-20°	405.2	595.9	746.3	967.1	1258.3	1427.8	1553.4	2257.0	3070.8	3637.3	4121.9



REPORT NUMBER: P701564 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	386.7	575.7	714.7	928.3	1161.1	1333.4	1466.7	1861.9	2650.1	3338.3	3699.8
-25°	376.8	546.3	688.3	857.1	1057.6	1236.5	1366.2	1506.8	2210.5	2871.7	3326.7
-27.5°	372.1	519.7	649.3	785.9	959.4	1134.0	1257.7	1390.3	1777.0	2401.7	2947.3
-30°	363.6	483.5	608.5	721.9	875.9	1027.0	1148.6	1285.3	1440.9	1945.5	2449.4
-32.5°	343.3	446.6	565.8	674.9	797.8	930.0	1064.7	1198.4	1331.6	1515.2	1977.0
-35°	319.4	415.8	523.2	626.8	724.6	851.4	985.8	1117.6	1230.6	1347.9	1603.5
-37.5°	300.1	382.6	481.1	579.1	671.4	779.9	903.7	1031.6	1147.1	1253.1	1398.7
-40°	279.0	347.0	441.2	534.0	620.9	714.1	824.6	939.9	1059.0	1182.9	1296.8
-42.5°	255.7	321.4	399.9	489.5	571.0	656.8	745.2	851.9	969.0	1099.8	1217.9
-45°	229.2	294.1	358.6	440.9	519.2	598.2	680.9	765.4	880.4	997.8	1121.5
-47.5°	201.3	264.5	326.5	392.2	466.8	539.0	614.7	701.0	791.4	898.6	1007.9
-50°	172.4	232.3	292.5	352.1	415.8	481.2	548.0	635.3	721.1	805.1	898.8
-52.5°	143.4	198.7	256.1	313.4	370.1	428.9	492.8	569.6	650.7	729.4	807.2
-55°	112.8	164.3	218.0	272.4	326.5	379.8	441.9	510.1	580.3	655.4	727.8
-57.5°	86.8	127.9	177.6	229.4	280.5	332.7	393.5	452.2	516.0	582.3	647.2
-60°	63.2	94.9	134.6	182.6	232.5	283.6	343.8	402.0	456.6	509.6	570.5
-62.5°	41.7	66.4	96.4	132.5	177.8	229.1	283.0	340.4	402.2	450.6	498.2
-65°	34.3	42.3	62.8	91.0	121.0	164.6	213.7	266.8	320.4	368.5	419.3
-67.5°	26.5	34.1	41.3	52.0	77.8	106.7	137.6	181.5	228.1	268.6	309.6
-70°	23.1	26.5	32.6	38.9	45.0	56.9	82.3	109.2	135.9	161.8	195.4
-72.5°	20.4	23.4	26.6	30.0	35.2	40.8	46.7	52.9	68.0	87.9	106.6
-75°	18.2	20.2	22.8	25.7	28.4	31.1	34.2	39.1	44.0	48.7	53.2
-77.5°	16.2	17.8	19.6	21.5	23.3	25.4	27.6	30.0	32.2	34.7	37.4
-80°	14.5	15.4	16.7	18.2	19.1	20.1	21.4	22.9	24.2	25.5	27.0
-82.5°	13.4	13.9	14.6	15.3	15.4	15.3	15.3	15.8	16.7	17.5	18.4
-85°	12.4	12.4	12.7	13.0	13.2	13.3	13.3	13.3	13.1	13.0	13.0
-87.5°	12.1	11.9	11.7	11.5	11.6	11.6	11.7	11.8	11.3	10.9	10.4
-90°	9.8	9.3	8.8	8.3	8.3	8.3	8.3	8.3	7.8	7.3	6.7



REPORT NUMBER: P701564 (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	9.3	9.8	10.3	11.9	13.4
87.5°	6.2	5.7	5.2	4.6	4.1	3.6	3.1	2.6	2.1	2.1	2.1
85°	6.2	5.7	5.2	4.6	4.1	3.6	3.1	2.6	2.1	2.1	2.1
82.5°	6.2	6.0	5.8	5.7	5.6	5.2	4.8	4.4	3.9	3.5	3.1
80°	6.3	6.2	6.2	6.2	6.2	5.7	5.2	4.7	4.1	3.6	3.1
77.5°	6.5	6.6	6.6	6.5	6.3	5.8	5.2	4.7	4.2	3.7	3.1
75°	8.3	8.0	7.6	7.1	6.4	5.8	5.3	4.7	4.2	4.0	4.0
72.5°	10.2	9.6	9.2	9.7	9.6	9.3	9.1	8.5	7.6	7.6	7.8
70°	18.9	19.8	19.9	19.0	17.0	15.2	13.8	12.2	10.4	9.9	10.0
67.5°	30.1	28.7	26.9	24.6	21.1	17.9	16.0	14.2	12.5	11.9	12.1
65°	37.5	31.1	26.7	23.2	20.4	17.9	15.9	13.9	12.0	10.8	10.6
62.5°	34.3	26.9	22.2	19.4	17.5	15.9	13.4	11.4	9.8	9.0	9.3
60°	29.5	21.6	16.7	14.5	12.4	10.4	9.5	8.9	8.5	8.3	8.4
57.5°	23.4	16.4	12.3	11.4	10.3	8.9	8.5	8.7	8.6	8.3	8.3
55°	17.1	14.0	12.4	11.8	11.3	10.7	10.2	10.1	9.9	9.6	9.8
52.5°	13.9	13.9	14.1	13.9	13.4	12.8	12.2	12.3	12.5	12.8	13.4
50°	15.4	15.8	16.2	16.0	15.5	15.0	14.4	15.0	15.9	16.7	17.4
47.5°	17.9	18.6	19.7	18.3	18.5	19.7	19.0	19.2	22.2	24.2	25.4
45°	22.8	26.4	27.2	28.1	28.4	30.5	31.5	32.2	38.1	40.6	40.8
42.5°	36.2	39.7	42.5	45.2	44.7	51.5	60.6	65.6	65.4	64.3	65.4
40°	54.8	58.6	67.0	73.4	83.2	92.0	92.6	84.0	85.0	94.9	95.7
37.5°	82.4	93.9	110.6	129.1	134.1	128.4	131.8	138.0	144.5	153.5	164.1
35°	131.3	169.8	177.5	191.7	201.1	191.8	195.5	211.9	212.0	241.3	257.3
32.5°	232.9	292.0	310.1	297.3	322.2	337.2	291.2	349.1	360.2	390.2	427.0
30°	379.9	502.8	540.9	523.2	590.3	611.5	570.8	687.4	755.9	754.6	927.5
27.5°	721.9	783.3	854.7	963.6	977.7	1014.1	1243.9	1421.7	1647.5	1860.9	2138.0
25°	1104.4	1139.3	1343.8	1478.5	1545.0	1788.0	2128.7	2406.6	2885.6	3332.7	4263.2
22.5°	1456.8	1587.0	1836.5	2052.2	2294.5	2685.7	3155.6	3671.3	4944.0	6509.8	8474.5
20°	1802.5	1973.9	2272.0	2659.8	3046.7	3578.9	4203.6	5837.3	8339.8	12132.7	16231.9
17.5°	2192.9	2357.7	2764.0	3311.7	3900.3	4698.0	6614.1	9735.6	15050.1	22470.0	29628.3
15°	2699.6	2983.2	3432.7	4242.0	5368.5	7248.6	10372.1	18071.5	28681.7	40220.6	52591.6
12.5°	3292.4	3759.9	4491.7	5537.5	7159.6	11601.2	19451.0	31814.4	47669.9	63876.0	84208.5
10°	3866.4	4648.3	5768.2	7416.1	10642.9	17643.1	29338.0	47181.2	71475.2	96532.3	118987.2
7.5°	4370.4	5405.1	6912.0	9221.6	14344.3	24461.5	41285.6	66149.4	96430.2	127394.2	157589.3
5°	4885.1	6115.4	7871.6	10573.8	16601.5	29397.0	50991.9	83514.3	120099.4	157602.4	197012.6
2.5°	5307.7	6711.8	8672.6	11694.7	17935.4	32049.4	57011.1	95608.8	137879.8	180815.3	229854.5
0°	5562.0	7081.7	9068.7	11729.8	18983.1	34138.9	58497.9	99890.1	145386.6	192593.0	243918.2
-2.5°	5569.9	7004.6	8875.7	11618.5	18758.8	33567.7	58601.6	99783.3	144982.8	190447.0	241096.6
-5°	5552.5	6829.0	8586.2	11219.5	17416.9	30587.7	54105.9	93318.5	137838.2	180864.2	226997.3
-7.5°	5526.0	6596.9	8175.0	10581.3	15699.5	26990.9	48927.8	84823.8	126828.0	166904.8	208201.7
-10°	5495.3	6356.6	7796.6	10033.8	14143.7	22712.6	39359.0	72049.7	110582.2	147564.1	181428.8
-12.5°	5468.9	6258.0	7491.7	9279.5	12252.5	19032.4	33229.2	58880.6	90084.4	121311.6	151310.4
-15°	5368.0	6127.2	7243.0	8719.4	11129.6	15871.3	24806.0	42537.0	68159.5	92827.3	116640.8
-17.5°	5161.3	5941.3	6643.2	7792.6	9531.1	12623.2	18477.0	29161.3	45612.9	64895.6	81695.7
-20°	4756.4	5291.0	5873.3	6849.5	8187.5	9815.4	12485.0	18572.9	26395.4	38973.1	47781.6



REPORT NUMBER: P701564 (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°	4155.1	4604.8	5094.8	5745.1	6686.1	7834.9	9259.4	11510.1	15591.9	20439.7	25797.6
-25°	3606.8	3929.9	4383.9	4942.6	5446.3	6195.7	7194.0	8067.1	9830.3	11256.4	14203.2
-27.5°	3191.1	3459.7	3870.9	4304.2	4676.0	5077.6	5772.2	6389.4	7247.3	7996.2	9194.1
-30°	2890.5	3165.8	3496.3	3824.7	4177.7	4518.2	4829.1	5297.1	5811.6	6300.1	6933.9
-32.5°	2519.4	2953.7	3193.0	3470.8	3784.9	4082.7	4319.7	4615.7	4898.8	5222.5	5570.1
-35°	2131.8	2606.2	2973.5	3187.0	3420.3	3704.7	3947.7	4150.0	4337.7	4538.6	4722.2
-37.5°	1675.2	2199.5	2617.9	2933.8	3146.8	3345.4	3606.0	3800.6	3924.7	4091.2	4216.8
-40°	1439.8	1649.8	2125.3	2554.6	2829.1	3141.8	3384.3	3590.4	3817.6	3994.9	4097.3
-42.5°	1325.1	1446.8	1573.3	1924.0	2353.6	2729.1	3041.7	3380.5	3684.5	3926.3	4151.2
-45°	1236.3	1322.8	1413.0	1529.3	1649.6	2000.9	2386.3	2782.6	3137.4	3469.0	3753.5
-47.5°	1118.0	1219.2	1301.5	1375.1	1449.0	1556.9	1672.3	1833.0	2174.0	2519.8	2849.5
-50°	996.2	1089.3	1180.2	1265.5	1334.7	1389.1	1432.8	1503.7	1606.4	1708.7	1809.1
-52.5°	881.4	967.8	1050.2	1132.9	1213.9	1285.8	1349.4	1399.6	1440.8	1476.0	1499.8
-55°	799.3	867.4	931.4	1010.3	1088.2	1160.5	1227.5	1289.0	1345.1	1396.2	1431.3
-57.5°	714.0	780.7	847.0	913.3	977.7	1039.9	1102.4	1163.2	1220.4	1272.4	1307.2
-60°	629.4	686.4	752.3	820.8	884.9	944.8	1002.9	1057.5	1108.5	1152.2	1180.3
-62.5°	549.6	603.5	660.3	722.0	786.9	850.3	908.5	963.7	1016.1	1058.5	1085.8
-65°	469.0	514.3	562.9	613.8	666.5	720.5	775.9	832.4	889.2	934.8	964.8
-67.5°	352.3	397.7	445.4	495.2	540.0	581.3	621.2	662.3	703.9	738.5	765.7
-70°	229.2	263.0	296.3	330.3	367.6	405.3	441.5	475.3	506.7	531.8	552.1
-72.5°	123.8	140.2	158.6	184.6	209.5	234.6	259.4	282.8	304.7	321.1	333.9
-75°	57.5	64.9	78.9	91.8	103.7	115.9	127.6	138.5	148.3	155.3	160.6
-77.5°	40.8	44.1	47.5	50.8	54.2	58.8	63.7	68.5	73.2	77.7	82.1
-80°	28.7	30.6	32.4	34.2	35.8	38.5	41.3	44.1	46.9	49.7	52.5
-82.5°	19.2	20.4	21.6	22.8	23.9	25.5	27.0	28.5	29.9	32.2	34.6
-85°	13.0	13.5	14.1	14.7	15.3	16.6	17.8	19.0	20.3	21.9	23.6
-87.5°	9.9	10.0	10.0	10.1	10.1	11.1	12.2	13.3	14.4	15.9	17.5
-90°	6.2	5.7	5.2	4.6	4.1	3.6	3.1	2.6	2.1	1.6	1.1



REPORT NUMBER: P701564 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	15.0	16.5	17.6	18.6	17.6	16.5	15.0	13.4	11.9	10.3	9.8
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	3.5	3.9	4.4
80°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.7
77.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.7	4.2	4.7
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.2	4.7
72.5°	8.0	8.2	8.3	8.3	8.3	8.2	8.0	7.8	7.6	7.6	8.5
70°	10.2	10.2	10.3	10.3	10.3	10.2	10.2	10.0	9.9	10.4	12.2
67.5°	12.2	12.3	12.4	12.4	12.4	12.3	12.2	12.1	11.9	12.5	14.2
65°	10.5	10.4	10.3	10.3	10.3	10.4	10.5	10.6	10.8	12.0	13.9
62.5°	9.7	10.2	10.3	10.3	10.3	10.2	9.7	9.3	9.0	9.8	11.4
60°	8.4	8.4	8.3	8.3	8.3	8.4	8.4	8.4	8.3	8.5	8.9
57.5°	8.3	8.3	9.1	10.3	9.1	8.3	8.3	8.3	8.3	8.6	8.7
55°	10.0	10.2	11.1	12.4	11.1	10.2	10.0	9.8	9.6	9.9	10.1
52.5°	13.9	14.2	14.4	14.5	14.4	14.2	13.9	13.4	12.8	12.5	12.3
50°	17.9	18.3	18.5	18.6	18.5	18.3	17.9	17.4	16.7	15.9	15.0
47.5°	26.3	26.6	26.7	26.9	26.7	26.6	26.3	25.4	24.2	22.2	19.2
45°	42.3	42.8	43.0	43.4	43.0	42.8	42.3	40.8	40.6	38.1	32.2
42.5°	68.1	69.2	69.1	68.2	69.1	69.2	68.1	65.4	64.3	65.4	65.6
40°	97.1	97.1	96.0	95.1	96.0	97.1	97.1	95.7	94.9	85.0	84.0
37.5°	169.0	162.9	152.0	146.8	152.0	162.9	169.0	164.1	153.5	144.5	138.0
35°	261.5	265.4	266.5	264.7	266.5	265.4	261.5	257.3	241.3	212.0	211.9
32.5°	437.3	458.2	465.0	477.6	465.0	458.2	437.3	427.0	390.2	360.2	349.1
30°	900.2	893.9	815.5	781.6	815.5	893.9	900.2	927.5	754.6	755.9	687.4
27.5°	2425.2	2704.3	2837.4	2826.5	2837.4	2704.3	2425.2	2138.0	1860.9	1647.5	1421.7
25°	4994.5	5443.2	5740.8	5545.4	5740.8	5443.2	4994.5	4263.2	3332.7	2885.6	2406.6
22.5°	10304.4	11282.5	11815.5	12006.8	11815.5	11282.5	10304.4	8474.5	6509.8	4944.0	3671.3
20°	20649.7	22496.7	23845.5	22719.3	23845.5	22496.7	20649.7	16231.9	12132.7	8339.8	5837.3
17.5°	38336.2	44081.5	49164.0	50752.4	49164.0	44081.5	38336.2	29628.3	22470.0	15050.1	9735.6
15°	64518.2	74220.9	79988.1	79651.9	79988.1	74220.9	64518.2	52591.6	40220.6	28681.7	18071.5
12.5°	99268.6	111242.2	119231.3	117454.7	119231.3	111242.2	99268.6	84208.5	63876.0	47669.9	31814.4
10°	141023.9	159159.9	172337.3	171730.4	172337.3	159159.9	141023.9	118987.2	96532.3	71475.2	47181.2
7.5°	184314.7	214087.8	239929.5	244278.0	239929.5	214087.8	184314.7	157589.3	127394.2	96430.2	66149.4
5°	240141.9	279384.0	305047.2	306514.1	305047.2	279384.0	240141.9	197012.6	157602.4	120099.4	83514.3
2.5°	285427.1	330444.2	352102.0	365223.9	352102.0	330444.2	285427.1	229854.5	180815.3	137879.8	95608.8
0°	306643.3	343239.6	382836.1	401596.9	382836.1	343239.6	306643.3	243918.2	192593.0	145386.6	99890.1
-2.5°	297939.2	337154.8	360913.0	380796.4	360913.0	337154.8	297939.2	241096.6	190447.0	144982.8	99783.3
-5°	278198.9	317055.1	336986.4	338845.9	336986.4	317055.1	278198.9	226997.3	180864.2	137838.2	93318.5
-7.5°	245972.3	278920.3	299846.1	306357.0	299846.1	278920.3	245972.3	208201.7	166904.8	126828.0	84823.8
-10°	211723.9	235418.8	248942.6	251535.4	248942.6	235418.8	211723.9	181428.8	147564.1	110582.2	72049.7
-12.5°	176117.3	195516.3	204848.0	206886.6	204848.0	195516.3	176117.3	151310.4	121311.6	90084.4	58880.6
-15°	136674.2	151271.6	159673.7	161135.8	159673.7	151271.6	136674.2	116640.8	92827.3	68159.5	42537.0
-17.5°	97555.5	109416.9	117928.3	119059.2	117928.3	109416.9	97555.5	81695.7	64895.6	45612.9	29161.3
-20°	59928.0	67998.7	72977.9	72247.7	72977.9	67998.7	59928.0	47781.6	38973.1	26395.4	18572.9



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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°	32264.4	36614.8	38719.0	39806.3	38719.0	36614.8	32264.4	25797.6	20439.7	15591.9	11510.1
-25°	17054.9	18897.3	19842.7	20583.4	19842.7	18897.3	17054.9	14203.2	11256.4	9830.3	8067.1
-27.5°	10147.8	10781.4	11133.3	11326.6	11133.3	10781.4	10147.8	9194.1	7996.2	7247.3	6389.4
-30°	7439.4	7742.9	7903.3	7983.2	7903.3	7742.9	7439.4	6933.9	6300.1	5811.6	5297.1
-32.5°	5849.0	6029.2	6140.0	6180.2	6140.0	6029.2	5849.0	5570.1	5222.5	4898.8	4615.7
-35°	4852.0	4912.3	4933.9	4972.7	4933.9	4912.3	4852.0	4722.2	4538.6	4337.7	4150.0
-37.5°	4312.4	4368.5	4395.9	4418.6	4395.9	4368.5	4312.4	4216.8	4091.2	3924.7	3800.6
-40°	4144.5	4203.9	4264.9	4309.0	4264.9	4203.9	4144.5	4097.3	3994.9	3817.6	3590.4
-42.5°	4249.4	4346.6	4413.4	4422.7	4413.4	4346.6	4249.4	4151.2	3926.3	3684.5	3380.5
-45°	3915.1	4025.8	4086.2	4106.3	4086.2	4025.8	3915.1	3753.5	3469.0	3137.4	2782.6
-47.5°	3141.7	3394.8	3545.9	3579.1	3545.9	3394.8	3141.7	2849.5	2519.8	2174.0	1833.0
-50°	1906.7	1996.9	2046.5	2053.2	2046.5	1996.9	1906.7	1809.1	1708.7	1606.4	1503.7
-52.5°	1518.7	1534.9	1544.9	1550.7	1544.9	1534.9	1518.7	1499.8	1476.0	1440.8	1399.6
-55°	1462.2	1489.3	1504.5	1511.4	1504.5	1489.3	1462.2	1431.3	1396.2	1345.1	1289.0
-57.5°	1338.4	1365.8	1378.0	1381.2	1378.0	1365.8	1338.4	1307.2	1272.4	1220.4	1163.2
-60°	1206.0	1229.2	1236.5	1236.5	1236.5	1229.2	1206.0	1180.3	1152.2	1108.5	1057.5
-62.5°	1111.7	1136.0	1147.7	1153.7	1147.7	1136.0	1111.7	1085.8	1058.5	1016.1	963.7
-65°	990.9	1013.0	1022.4	1025.6	1022.4	1013.0	990.9	964.8	934.8	889.2	832.4
-67.5°	790.0	810.9	816.9	816.7	816.9	810.9	790.0	765.7	738.5	703.9	662.3
-70°	569.4	583.3	585.6	583.1	585.6	583.3	569.4	552.1	531.8	506.7	475.3
-72.5°	344.4	352.4	355.4	355.6	355.4	352.4	344.4	333.9	321.1	304.7	282.8
-75°	164.7	167.6	170.1	171.6	170.1	167.6	164.7	160.6	155.3	148.3	138.5
-77.5°	86.3	90.2	91.8	93.0	91.8	90.2	86.3	82.1	77.7	73.2	68.5
-80°	55.1	57.6	57.8	57.9	57.8	57.6	55.1	52.5	49.7	46.9	44.1
-82.5°	36.9	39.1	39.3	39.3	39.3	39.1	36.9	34.6	32.2	29.9	28.5
-85°	25.2	26.8	27.9	28.9	27.9	26.8	25.2	23.6	21.9	20.3	19.0
-87.5°	19.1	20.7	20.7	20.7	20.7	20.7	19.1	17.5	15.9	14.4	13.3
-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°	9.3	8.8	8.3	8.3	8.3	8.3	8.3	8.8	9.3	9.8	10.3
87.5°	3.1	3.6	4.1	4.6	5.2	5.7	6.2	6.7	7.3	7.8	8.3
85°	3.1	3.6	4.1	4.6	5.2	5.7	6.2	6.7	7.3	7.8	8.3
82.5°	4.8	5.2	5.6	5.7	5.8	6.0	6.2	6.8	7.3	7.8	8.3
80°	5.2	5.7	6.2	6.2	6.2	6.2	6.3	6.8	7.3	7.9	8.4
77.5°	5.2	5.8	6.3	6.5	6.6	6.6	6.5	6.9	7.4	7.9	8.4
75°	5.3	5.8	6.4	7.1	7.6	8.0	8.3	8.5	8.6	8.8	8.9
72.5°	9.1	9.3	9.6	9.7	9.2	9.6	10.2	10.5	10.7	10.6	10.1
70°	13.8	15.2	17.0	19.0	19.9	19.8	18.9	17.2	14.5	13.6	12.6
67.5°	16.0	17.9	21.1	24.6	26.9	28.7	30.1	30.5	28.8	25.8	19.0
65°	15.9	17.9	20.4	23.2	26.7	31.1	37.5	40.8	41.0	39.0	30.3
62.5°	13.4	15.9	17.5	19.4	22.2	26.9	34.3	41.0	47.5	49.3	39.6
60°	9.5	10.4	12.4	14.5	16.7	21.6	29.5	37.6	45.7	45.8	42.7
57.5°	8.5	8.9	10.3	11.4	12.3	16.4	23.4	32.4	41.3	40.1	37.9
55°	10.2	10.7	11.3	11.8	12.4	14.0	17.1	23.3	31.4	33.3	31.8
52.5°	12.2	12.8	13.4	13.9	14.1	13.9	13.9	17.6	21.3	24.6	25.7
50°	14.4	15.0	15.5	16.0	16.2	15.8	15.4	15.1	17.2	19.7	20.7
47.5°	19.0	19.7	18.5	18.3	19.7	18.6	17.9	18.1	19.2	18.4	19.4
45°	31.5	30.5	28.4	28.1	27.2	26.4	22.8	24.5	24.8	23.7	20.5
42.5°	60.6	51.5	44.7	45.2	42.5	39.7	36.2	35.6	34.4	31.5	29.6
40°	92.6	92.0	83.2	73.4	67.0	58.6	54.8	50.3	47.5	43.4	42.3
37.5°	131.8	128.4	134.1	129.1	110.6	93.9	82.4	70.4	62.7	66.7	63.3
35°	195.5	191.8	201.1	191.7	177.5	169.8	131.3	102.6	93.0	103.3	92.9
32.5°	291.2	337.2	322.2	297.3	310.1	292.0	232.9	160.8	159.8	157.3	139.4
30°	570.8	611.5	590.3	523.2	540.9	502.8	379.9	355.3	297.9	226.8	198.2
27.5°	1243.9	1014.1	977.7	963.6	854.7	783.3	721.9	650.5	501.6	368.0	275.3
25°	2128.7	1788.0	1545.0	1478.5	1343.8	1139.3	1104.4	1016.1	833.0	559.4	378.4
22.5°	3155.6	2685.7	2294.5	2052.2	1836.5	1587.0	1456.8	1401.3	1204.3	799.2	546.2
20°	4203.6	3578.9	3046.7	2659.8	2272.0	1973.9	1802.5	1714.9	1470.5	1090.6	721.4
17.5°	6614.1	4698.0	3900.3	3311.7	2764.0	2357.7	2192.9	1985.1	1736.1	1373.2	891.8
15°	10372.1	7248.6	5368.5	4242.0	3432.7	2983.2	2699.6	2302.2	1996.9	1622.7	1156.8
12.5°	19451.0	11601.2	7159.6	5537.5	4491.7	3759.9	3292.4	2748.3	2291.4	1965.1	1549.3
10°	29338.0	17643.1	10642.9	7416.1	5768.2	4648.3	3866.4	3200.1	2674.7	2339.1	1937.3
7.5°	41285.6	24461.5	14344.3	9221.6	6912.0	5405.1	4370.4	3584.5	3030.9	2689.3	2314.8
5°	50991.9	29397.0	16601.5	10573.8	7871.6	6115.4	4885.1	3910.6	3361.7	3017.7	2674.7
2.5°	57011.1	32049.4	17935.4	11694.7	8672.6	6711.8	5307.7	4188.0	3618.6	3230.7	2874.6
0°	58497.9	34138.9	18983.1	11729.8	9068.7	7081.7	5562.0	4431.0	3833.4	3409.5	3043.6
-2.5°	58601.6	33567.7	18758.8	11618.5	8875.7	7004.6	5569.9	4547.6	3955.9	3501.9	3105.7
-5°	54105.9	30587.7	17416.9	11219.5	8586.2	6829.0	5552.5	4653.9	4048.8	3579.4	3127.8
-7.5°	48927.8	26990.9	15699.5	10581.3	8175.0	6596.9	5526.0	4739.9	4112.1	3664.4	3157.3
-10°	39359.0	22712.6	14143.7	10033.8	7796.6	6356.6	5495.3	4766.8	4158.1	3733.8	3139.5
-12.5°	33229.2	19032.4	12252.5	9279.5	7491.7	6258.0	5468.9	4715.9	4189.5	3789.1	3071.4
-15°	24806.0	15871.3	11129.6	8719.4	7243.0	6127.2	5368.0	4566.5	4074.9	3761.3	2950.6
-17.5°	18477.0	12623.2	9531.1	7792.6	6643.2	5941.3	5161.3	4404.7	3879.0	3477.1	2644.2
-20°	12485.0	9815.4	8187.5	6849.5	5873.3	5291.0	4756.4	4121.9	3637.3	3070.8	2257.0



REPORT NUMBER: P701564 (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°	9259.4	7834.9	6686.1	5745.1	5094.8	4604.8	4155.1	3699.8	3338.3	2650.1	1861.9
-25°	7194.0	6195.7	5446.3	4942.6	4383.9	3929.9	3606.8	3326.7	2871.7	2210.5	1506.8
-27.5°	5772.2	5077.6	4676.0	4304.2	3870.9	3459.7	3191.1	2947.3	2401.7	1777.0	1390.3
-30°	4829.1	4518.2	4177.7	3824.7	3496.3	3165.8	2890.5	2449.4	1945.5	1440.9	1285.3
-32.5°	4319.7	4082.7	3784.9	3470.8	3193.0	2953.7	2519.4	1977.0	1515.2	1331.6	1198.4
-35°	3947.7	3704.7	3420.3	3187.0	2973.5	2606.2	2131.8	1603.5	1347.9	1230.6	1117.6
-37.5°	3606.0	3345.4	3146.8	2933.8	2617.9	2199.5	1675.2	1398.7	1253.1	1147.1	1031.6
-40°	3384.3	3141.8	2829.1	2554.6	2125.3	1649.8	1439.8	1296.8	1182.9	1059.0	939.9
-42.5°	3041.7	2729.1	2353.6	1924.0	1573.3	1446.8	1325.1	1217.9	1099.8	969.0	851.9
-45°	2386.3	2000.9	1649.6	1529.3	1413.0	1322.8	1236.3	1121.5	997.8	880.4	765.4
-47.5°	1672.3	1556.9	1449.0	1375.1	1301.5	1219.2	1118.0	1007.9	898.6	791.4	701.0
-50°	1432.8	1389.1	1334.7	1265.5	1180.2	1089.3	996.2	898.8	805.1	721.1	635.3
-52.5°	1349.4	1285.8	1213.9	1132.9	1050.2	967.8	881.4	807.2	729.4	650.7	569.6
-55°	1227.5	1160.5	1088.2	1010.3	931.4	867.4	799.3	727.8	655.4	580.3	510.1
-57.5°	1102.4	1039.9	977.7	913.3	847.0	780.7	714.0	647.2	582.3	516.0	452.2
-60°	1002.9	944.8	884.9	820.8	752.3	686.4	629.4	570.5	509.6	456.6	402.0
-62.5°	908.5	850.3	786.9	722.0	660.3	603.5	549.6	498.2	450.6	402.2	340.4
-65°	775.9	720.5	666.5	613.8	562.9	514.3	469.0	419.3	368.5	320.4	266.8
-67.5°	621.2	581.3	540.0	495.2	445.4	397.7	352.3	309.6	268.6	228.1	181.5
-70°	441.5	405.3	367.6	330.3	296.3	263.0	229.2	195.4	161.8	135.9	109.2
-72.5°	259.4	234.6	209.5	184.6	158.6	140.2	123.8	106.6	87.9	68.0	52.9
-75°	127.6	115.9	103.7	91.8	78.9	64.9	57.5	53.2	48.7	44.0	39.1
-77.5°	63.7	58.8	54.2	50.8	47.5	44.1	40.8	37.4	34.7	32.2	30.0
-80°	41.3	38.5	35.8	34.2	32.4	30.6	28.7	27.0	25.5	24.2	22.9
-82.5°	27.0	25.5	23.9	22.8	21.6	20.4	19.2	18.4	17.5	16.7	15.8
-85°	17.8	16.6	15.3	14.7	14.1	13.5	13.0	13.0	13.0	13.1	13.3
-87.5°	12.2	11.1	10.1	10.1	10.0	10.0	9.9	10.4	10.9	11.3	11.8
-90°	3.1	3.6	4.1	4.6	5.2	5.7	6.2	6.7	7.3	7.8	8.3



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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°	10.3	10.3	10.3	10.3	10.8	11.4	11.9	12.4	11.9	11.4	10.8
87.5°	8.3	8.3	8.3	8.3	8.8	9.3	9.8	10.3	10.3	10.3	10.3
85°	8.5	8.6	8.6	8.6	8.9	9.3	9.8	10.3	10.3	10.3	10.3
82.5°	8.8	9.3	9.6	9.7	9.7	9.8	10.0	10.3	10.4	10.3	10.3
80°	8.9	9.4	9.9	10.3	10.3	10.3	10.2	10.3	10.6	10.7	10.6
77.5°	8.9	9.4	9.9	10.3	10.3	10.3	10.3	10.4	10.9	11.1	11.1
75°	9.0	9.5	10.0	10.3	10.3	10.3	10.3	10.5	11.0	11.5	11.6
72.5°	9.9	9.9	10.1	10.3	10.3	10.3	10.3	10.5	11.0	11.5	12.0
70°	11.4	10.5	10.3	10.5	10.5	10.3	10.3	10.6	11.1	11.6	12.1
67.5°	13.5	12.2	11.1	10.9	11.0	10.9	10.4	10.7	11.2	11.6	12.1
65°	22.3	16.3	12.3	11.8	11.6	11.7	11.3	10.9	11.2	11.7	12.2
62.5°	30.4	22.1	16.6	13.4	12.2	12.1	12.2	11.6	11.4	11.8	12.3
60°	38.1	28.5	21.1	16.9	13.7	12.3	12.4	12.2	11.8	11.9	12.3
57.5°	35.2	33.1	26.9	20.6	16.3	13.5	12.4	12.4	12.2	12.1	12.4
55°	30.0	28.9	29.7	24.8	19.0	15.2	12.9	12.4	12.4	12.2	12.4
52.5°	24.4	26.0	28.1	27.1	21.9	17.0	14.3	12.4	12.4	12.4	12.4
50°	20.2	23.4	26.9	27.5	24.2	19.1	15.5	13.3	12.4	12.4	12.5
47.5°	20.2	22.9	25.2	28.1	25.9	20.9	16.9	14.2	12.4	12.4	12.7
45°	23.3	24.6	25.4	27.2	27.7	22.4	18.1	15.0	13.1	12.5	12.9
42.5°	28.5	28.9	28.2	26.7	27.6	23.5	19.1	15.8	13.6	12.6	13.0
40°	39.3	35.4	32.6	31.8	28.7	24.2	19.7	16.3	14.1	12.9	13.1
37.5°	52.1	45.7	39.9	40.9	32.9	26.4	20.0	16.6	14.8	13.5	13.3
35°	76.0	59.2	56.7	55.2	44.2	29.9	20.0	16.7	15.7	14.1	13.4
32.5°	104.5	87.9	85.2	74.1	58.6	34.6	22.1	18.2	16.6	14.7	13.5
30°	158.1	142.1	121.8	96.6	76.4	47.9	27.3	20.0	17.7	15.2	13.7
27.5°	243.7	205.8	168.2	130.4	97.8	64.0	34.0	22.3	18.9	15.9	14.2
25°	335.3	284.3	229.4	172.0	121.6	87.4	40.5	25.1	20.5	16.8	14.6
22.5°	432.1	369.1	296.8	218.3	155.8	115.0	53.3	30.6	22.5	17.7	15.0
20°	530.5	456.7	372.4	274.0	197.9	144.2	74.0	36.0	24.8	18.7	15.4
17.5°	638.9	563.3	470.0	344.1	243.7	174.8	96.7	41.1	27.2	19.7	15.7
15°	846.0	692.6	576.9	420.4	288.9	206.3	120.7	46.0	29.6	20.8	16.1
12.5°	1098.5	823.2	690.5	500.9	333.2	238.1	145.3	50.6	32.1	22.5	16.6
10°	1376.3	953.8	808.0	583.3	376.0	269.8	169.8	58.7	37.1	25.0	17.1
7.5°	1667.5	1083.2	926.5	665.3	422.0	314.4	217.7	75.3	42.5	27.6	17.5
5°	1938.2	1199.9	1044.0	767.4	493.6	371.8	269.4	92.4	47.8	30.2	17.9
2.5°	2099.9	1294.8	1154.2	866.5	562.8	427.0	319.5	109.6	53.0	32.7	18.3
0°	2231.0	1383.3	1255.1	957.3	628.6	479.7	366.0	126.1	57.9	35.1	18.6
-2.5°	2257.9	1433.6	1290.1	1008.9	690.3	531.3	403.5	153.3	76.9	46.6	24.7
-5°	2252.5	1478.0	1317.2	1051.6	747.2	579.1	434.8	178.6	95.1	57.6	30.7
-7.5°	2245.8	1499.2	1331.3	1082.4	798.7	622.6	459.3	201.7	112.2	67.8	36.2
-10°	2196.7	1503.8	1327.8	1078.2	809.7	640.5	472.8	222.0	127.7	77.1	41.2
-12.5°	2090.0	1502.9	1318.5	1064.5	806.9	634.8	458.6	236.2	141.3	85.2	45.3
-15°	1919.9	1496.6	1304.1	1041.5	795.8	625.4	442.0	246.1	152.2	92.4	48.6
-17.5°	1670.7	1484.9	1285.2	1009.0	775.8	612.5	423.9	253.2	161.4	98.9	51.6
-20°	1553.4	1427.8	1258.3	967.1	746.3	595.9	405.2	257.3	168.7	103.6	54.2



REPORT NUMBER: P701564 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1466.7	1333.4	1161.1	928.3	714.7	575.7	386.7	258.3	174.0	106.5	55.6
-25°	1366.2	1236.5	1057.6	857.1	688.3	546.3	376.8	256.1	177.2	107.3	55.6
-27.5°	1257.7	1134.0	959.4	785.9	649.3	519.7	372.1	258.5	178.1	106.0	54.1
-30°	1148.6	1027.0	875.9	721.9	608.5	483.5	363.6	258.4	176.3	103.8	51.2
-32.5°	1064.7	930.0	797.8	674.9	565.8	446.6	343.3	255.4	171.5	100.2	49.0
-35°	985.8	851.4	724.6	626.8	523.2	415.8	319.4	249.5	163.6	94.4	46.3
-37.5°	903.7	779.9	671.4	579.1	481.1	382.6	300.1	231.0	152.6	86.4	42.4
-40°	824.6	714.1	620.9	534.0	441.2	347.0	279.0	209.8	140.8	76.1	37.3
-42.5°	745.2	656.8	571.0	489.5	399.9	321.4	255.7	187.2	124.0	67.3	30.9
-45°	680.9	598.2	519.2	440.9	358.6	294.1	229.2	163.7	105.2	58.5	26.1
-47.5°	614.7	539.0	466.8	392.2	326.5	264.5	201.3	141.0	85.2	48.1	24.6
-50°	548.0	481.2	415.8	352.1	292.5	232.3	172.4	116.6	71.0	35.7	22.7
-52.5°	492.8	428.9	370.1	313.4	256.1	198.7	143.4	91.7	55.8	29.8	20.5
-55°	441.9	379.8	326.5	272.4	218.0	164.3	112.8	73.1	39.5	26.6	18.2
-57.5°	393.5	332.7	280.5	229.4	177.6	127.9	86.8	53.4	32.5	23.1	17.9
-60°	343.8	283.6	232.5	182.6	134.6	94.9	63.2	37.7	27.9	20.0	17.6
-62.5°	283.0	229.1	177.8	132.5	96.4	66.4	41.7	31.8	22.9	19.2	17.1
-65°	213.7	164.6	121.0	91.0	62.8	42.3	34.3	25.5	20.8	18.3	16.5
-67.5°	137.6	106.7	77.8	52.0	41.3	34.1	26.5	22.2	19.4	17.3	16.0
-70°	82.3	56.9	45.0	38.9	32.6	26.5	23.1	20.2	17.9	16.4	15.3
-72.5°	46.7	40.8	35.2	30.0	26.6	23.4	20.4	18.1	16.7	15.5	14.7
-75°	34.2	31.1	28.4	25.7	22.8	20.2	18.2	16.5	15.4	14.6	14.0
-77.5°	27.6	25.4	23.3	21.5	19.6	17.8	16.2	14.9	14.3	13.9	13.4
-80°	21.4	20.1	19.1	18.2	16.7	15.4	14.5	13.8	13.5	13.2	12.8
-82.5°	15.3	15.3	15.4	15.3	14.6	13.9	13.4	13.0	12.7	12.4	12.2
-85°	13.3	13.3	13.2	13.0	12.7	12.4	12.4	12.4	12.3	12.1	11.8
-87.5°	11.7	11.6	11.6	11.5	11.7	11.9	12.1	12.4	12.1	11.7	11.3
-90°	8.3	8.3	8.3	8.3	8.8	9.3	9.8	10.3	10.3	10.3	10.3



REPORT NUMBER: P701564 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.3	10.3	10.3	10.3	10.3	10.3	10.3
87.5°	10.3	10.4	10.5	10.5	10.5	10.3	10.3
85°	10.3	10.5	10.7	10.7	10.7	10.4	10.3
82.5°	10.3	10.7	10.9	10.9	10.8	10.4	10.3
80°	10.4	10.8	11.0	11.1	11.0	10.5	10.3
77.5°	10.9	11.0	11.2	11.3	11.2	10.5	10.3
75°	11.5	11.3	11.4	11.6	11.3	10.6	10.3
72.5°	12.0	11.7	11.6	11.8	11.5	10.6	10.3
70°	12.4	12.0	11.8	12.0	11.6	10.6	10.3
67.5°	12.4	12.3	12.0	12.1	11.8	10.7	10.3
65°	12.4	12.4	12.1	12.1	11.9	10.7	10.3
62.5°	12.4	12.4	12.3	12.2	12.0	10.7	10.3
60°	12.4	12.4	12.4	12.2	12.1	10.8	10.3
57.5°	12.4	12.4	12.4	12.3	12.1	10.8	10.3
55°	12.4	12.4	12.4	12.3	12.1	10.8	10.3
52.5°	12.4	12.4	12.4	12.4	12.1	10.8	10.3
50°	12.4	12.4	12.4	12.4	12.0	10.8	10.3
47.5°	12.4	12.4	12.4	12.4	12.0	10.8	10.3
45°	12.6	12.4	12.4	12.4	12.0	10.8	10.3
42.5°	12.8	12.4	12.4	12.4	12.0	10.8	10.3
40°	13.0	12.4	12.4	12.4	12.0	10.8	10.3
37.5°	13.3	12.4	12.4	12.4	12.1	10.8	10.3
35°	13.6	12.5	12.4	12.4	12.1	10.8	10.3
32.5°	13.8	12.8	12.4	12.4	12.1	10.8	10.3
30°	13.9	13.0	12.4	12.4	12.1	10.8	10.3
27.5°	14.1	13.2	12.4	12.4	12.1	10.7	10.3
25°	14.2	13.5	12.4	12.4	12.2	10.7	10.3
22.5°	14.3	13.7	12.4	12.4	12.2	10.7	10.3
20°	14.5	13.9	12.4	12.4	12.2	10.6	10.3
17.5°	14.6	14.0	12.4	12.4	12.3	10.6	10.3
15°	14.8	14.1	12.4	12.4	12.3	10.6	10.3
12.5°	15.1	14.2	12.4	12.4	12.3	10.5	10.3
10°	15.3	14.3	12.4	12.4	12.3	10.5	10.3
7.5°	15.6	14.4	12.4	12.4	12.4	10.4	10.3
5°	15.9	14.5	12.4	12.4	12.4	10.4	10.3
2.5°	16.2	14.5	12.4	12.4	12.4	10.3	10.3
0°	16.5	14.5	12.4	12.4	12.4	10.3	10.3
-2.5°	18.1	14.5	12.4	12.4	12.4	10.3	10.3
-5°	19.7	14.5	12.4	12.4	12.4	10.3	10.3
-7.5°	21.1	14.4	12.4	12.4	12.4	10.3	10.3
-10°	22.3	14.3	12.4	12.4	12.3	10.3	10.3
-12.5°	23.2	14.2	12.4	12.4	12.3	10.3	10.3
-15°	23.9	14.1	12.4	12.4	12.3	10.3	10.3
-17.5°	24.1	14.0	12.4	12.4	12.2	10.3	10.3
-20°	24.5	13.9	12.4	12.4	12.1	10.3	10.3



REPORT NUMBER: P701564 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	25.2	13.7	12.4	12.4	12.1	10.3	10.3
-25°	25.2	13.9	12.4	12.4	12.0	10.3	10.3
-27.5°	24.6	14.2	12.4	12.4	11.9	10.3	10.3
-30°	23.1	14.3	12.4	12.4	11.8	10.3	10.3
-32.5°	20.9	14.3	12.6	12.4	11.7	10.3	10.3
-35°	20.0	14.2	12.8	12.4	11.6	10.3	10.3
-37.5°	19.8	14.0	12.9	12.4	11.5	10.3	10.3
-40°	19.4	14.2	13.0	12.4	11.4	10.3	10.3
-42.5°	18.7	14.3	13.1	12.4	11.3	10.3	10.3
-45°	17.7	14.4	13.2	12.5	11.2	10.3	10.3
-47.5°	16.5	14.5	13.2	12.5	11.0	10.3	10.3
-50°	16.3	14.5	13.3	12.4	10.9	10.3	10.3
-52.5°	16.2	14.5	13.3	12.2	10.8	10.3	10.3
-55°	16.1	14.4	13.3	12.0	10.6	10.3	10.3
-57.5°	15.9	14.3	13.2	11.9	10.5	10.3	10.3
-60°	15.7	14.2	13.2	11.7	10.3	10.3	10.3
-62.5°	15.4	14.0	12.9	11.5	10.3	10.3	10.3
-65°	15.1	13.9	12.6	11.2	10.3	10.3	10.3
-67.5°	14.8	13.6	12.3	11.0	10.3	10.3	10.3
-70°	14.4	13.2	12.0	10.8	10.3	10.3	10.3
-72.5°	13.9	12.8	11.7	10.7	10.3	10.3	10.3
-75°	13.4	12.4	11.3	10.7	10.3	10.3	10.3
-77.5°	12.9	12.0	11.2	10.6	10.3	10.3	10.3
-80°	12.4	11.6	11.0	10.6	10.3	10.3	10.3
-82.5°	11.9	11.3	10.8	10.5	10.3	10.3	10.3
-85°	11.4	11.0	10.7	10.4	10.3	10.3	10.3
-87.5°	10.8	10.6	10.5	10.4	10.3	10.3	10.3
-90°	10.3	10.3	10.3	10.3	10.3	10.3	10.3

(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

