

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: P701565 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-70-3S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701565 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-57-70-3S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

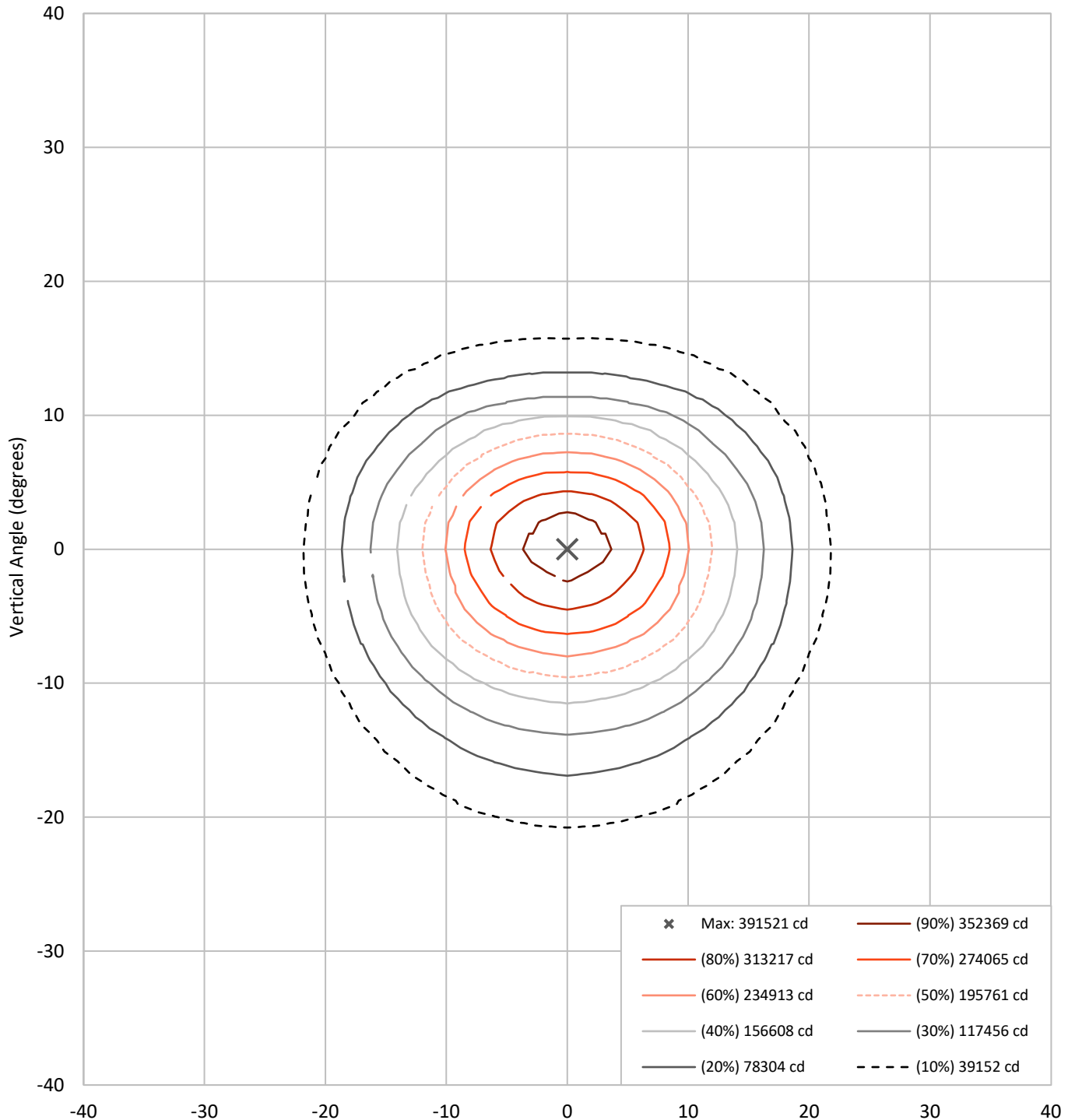
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	65452.6 lumens	Max Intensity:	391521 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	99.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	27999.1 lumens	Field Lumens:	55935.7 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%

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

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Iso-Candela Plot





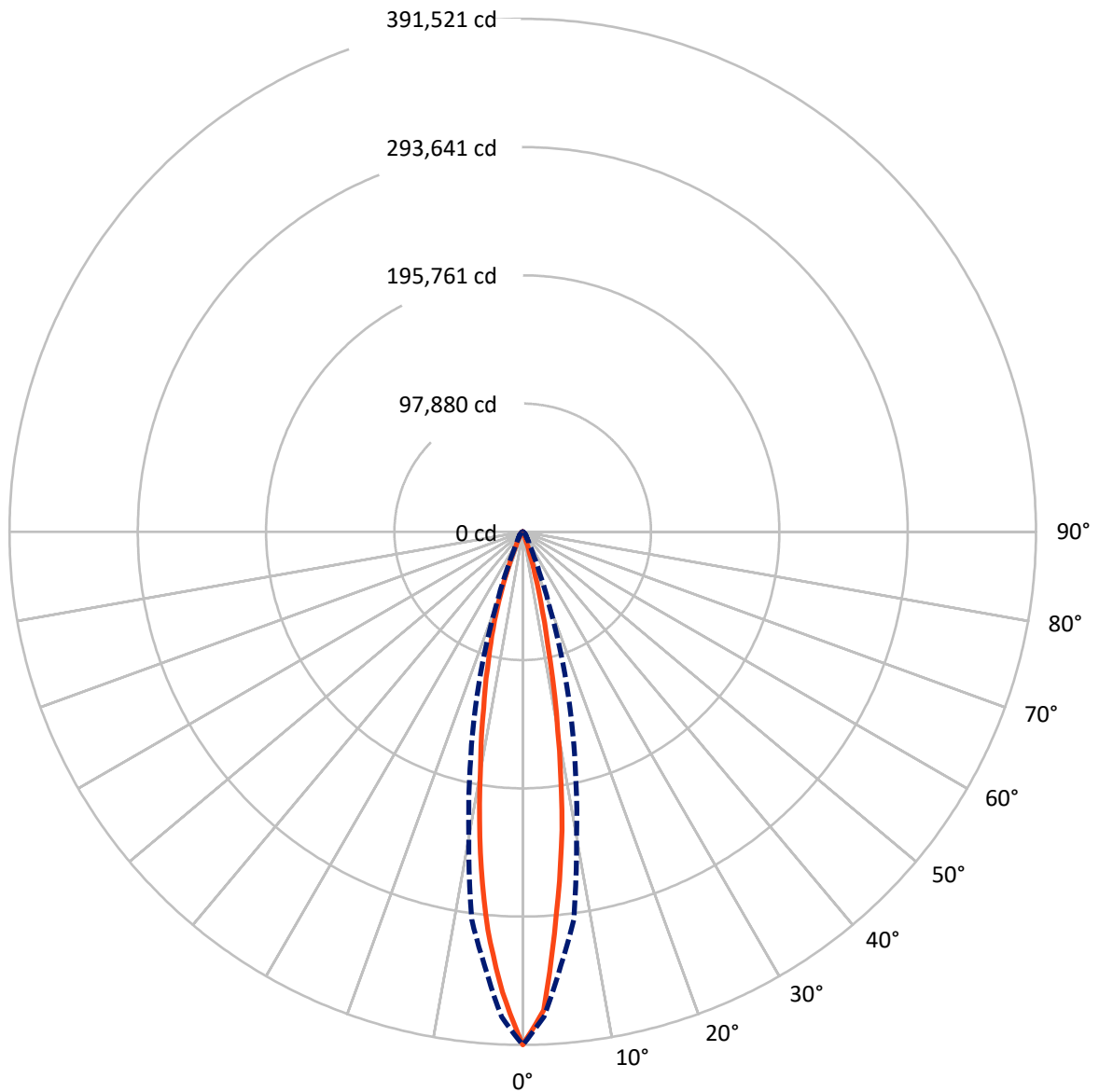
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Lumen Table

90																
80	0.2	0.5		0.8		0.9		1.0		0.9		0.8		0.5		0.2
70																
60	0.2	0.1	0.2	0.8	0.9	0.5	0.3	0.3	0.3	0.3	0.5	0.9	0.8	0.2	0.1	0.2
50		0.1	0.4	0.7	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.7	0.4	0.1	
40	0.2	0.2	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.2	0.2
30		0.3	0.7	1.0	1.8	2.6	3.2	4.2	4.2	3.2	2.6	1.8	1.0	0.7	0.3	
20	0.3	0.5	1.8	4.6	8.6	13.2	29.7	59.8	59.8	29.7	13.2	8.6	4.6	1.8	0.5	0.3
10		1.3	6.7	21.5	47.1	126.4	701.1	1604.4	1604.4	701.1	126.4	47.1	21.5	6.7	1.3	
0	0.4	2.4	14.1	50.9	118.7	522.0	3274.3	7642.9	7642.9	3274.3	522.0	118.7	50.9	14.1	2.4	0.4
-10		3.2	16.8	59.6	133.1	556.4	3492.3	7871.9	7871.9	3492.3	556.4	133.1	59.6	16.8	3.2	
-20	0.7	3.4	14.5	45.2	94.5	239.8	1268.0	2853.6	2853.6	1268.0	239.8	94.5	45.2	14.5	3.4	0.7
-30		3.3	11.7	28.3	66.8	113.1	245.5	493.7	493.7	245.5	113.1	66.8	28.3	11.7	3.3	
-40	0.5	2.9	9.4	19.8	43.2	78.0	106.0	123.7	123.7	106.0	78.0	43.2	19.8	9.4	2.9	0.5
-50		2.1	7.0	15.0	26.9	43.8	67.1	84.3	84.3	67.1	43.8	26.9	15.0	7.0	2.1	
-60	0.3	1.0	4.1	9.5	17.0	25.1	31.8	35.7	35.7	31.8	25.1	17.0	9.5	4.1	1.0	0.3
-70		0.4	1.4	4.1	7.7	11.8	15.9	18.3	18.3	15.9	11.8	7.7	4.1	1.4	0.4	
-80																
-90	0.2	1.0		3.1		8.5		13.0		8.5		3.1		1.0		0.2

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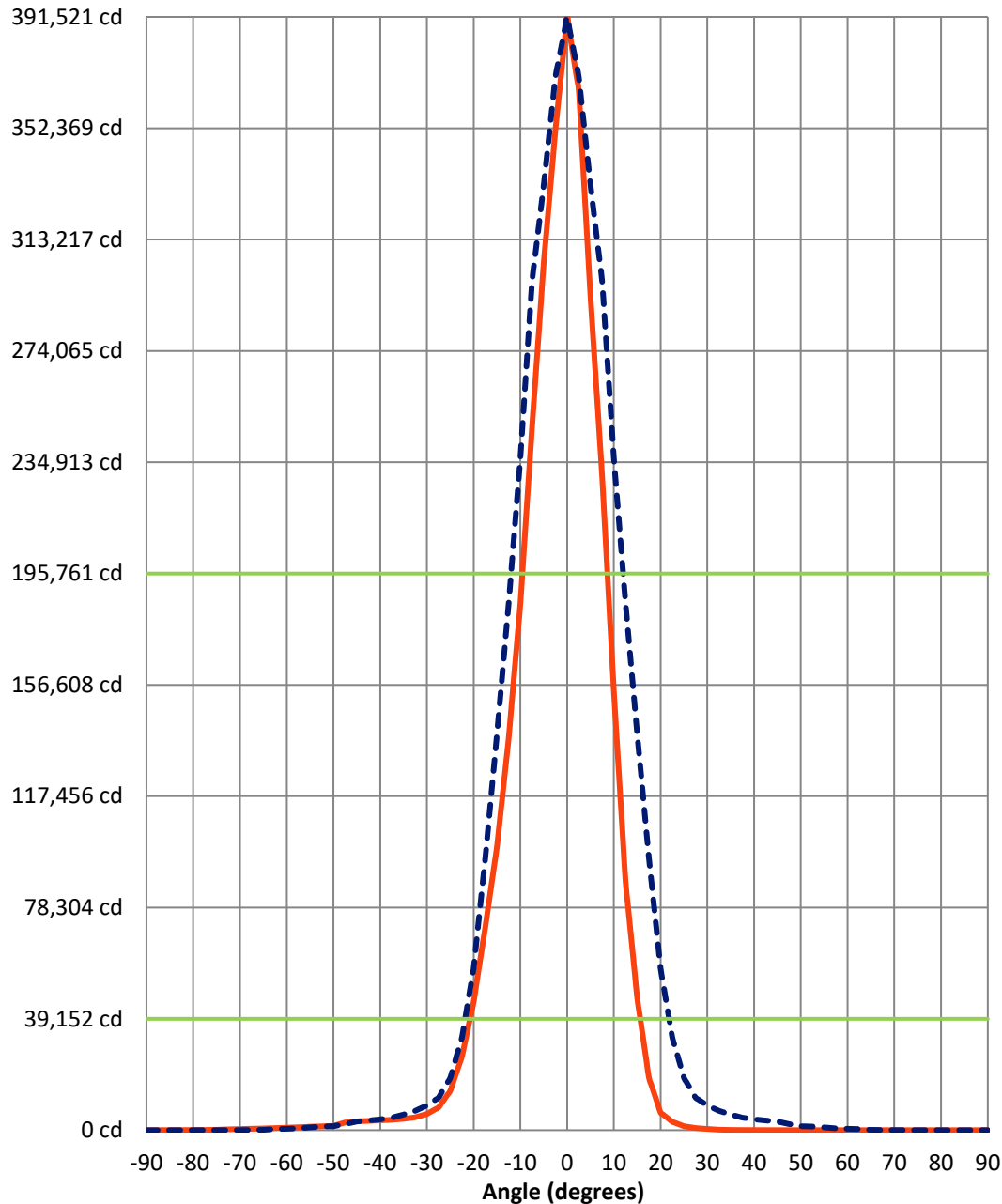
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 24°
V Angle: 18.2°
Lumens: 27999.1
Efficiency: 42.8%

Field:
H Angle: 43.7°
V Angle: 36.4°
Lumens: 55935.7
Efficiency: 85.5%

Spill:
Lumens: 9516.9
Efficiency: 14.5%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
82.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
80°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
75°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
72.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
70°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.9
67.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.4	8.3	8.3	9.0	9.7
65°	8.3	8.3	8.3	8.3	8.3	8.4	8.4	8.3	8.9	9.7	10.1
62.5°	8.3	8.3	8.3	8.3	8.3	8.5	8.5	8.7	9.6	10.2	9.6
60°	8.3	8.3	8.3	8.3	8.3	8.7	8.7	9.2	10.2	9.9	9.1
57.5°	8.3	8.3	8.3	8.3	8.5	8.9	9.1	9.7	10.2	9.7	9.0
55°	8.3	8.3	8.4	8.3	8.7	9.1	9.4	10.2	10.1	9.6	9.1
52.5°	8.3	8.3	8.4	8.3	8.9	9.3	9.8	10.3	10.1	9.7	9.2
50°	8.3	8.3	8.4	8.3	9.1	9.6	10.1	10.4	10.2	9.8	11.2
47.5°	8.3	8.3	8.5	8.3	9.4	9.8	10.3	10.6	10.3	9.9	12.9
45°	8.3	8.3	8.5	8.5	9.6	9.9	10.5	10.8	10.5	10.9	14.2
42.5°	8.3	8.3	8.6	8.7	9.8	10.1	10.7	11.0	10.8	11.6	15.6
40°	8.3	8.3	8.7	8.9	10.0	10.2	10.9	11.3	11.3	12.1	16.9
37.5°	8.3	8.3	8.8	9.2	10.1	10.3	11.2	11.6	12.1	13.4	18.1
35°	8.3	8.3	8.8	9.4	10.2	10.4	11.5	12.0	13.0	15.5	18.8
32.5°	8.3	8.3	8.9	9.5	10.2	10.7	11.8	12.4	14.0	17.8	20.6
30°	8.3	8.3	9.0	9.7	10.3	10.9	12.1	13.0	15.0	20.0	22.9
27.5°	8.3	8.3	9.1	9.8	10.3	11.1	12.5	13.8	16.3	22.4	25.6
25°	8.3	8.3	9.2	9.9	10.3	11.4	12.9	14.6	18.2	24.7	28.8
22.5°	8.3	8.3	9.3	10.0	10.3	11.6	13.2	15.4	20.1	27.1	34.7
20°	8.3	8.3	9.5	10.1	10.3	11.8	13.6	16.2	22.0	29.8	41.2
17.5°	8.3	8.3	9.6	10.2	10.3	11.9	13.9	17.0	23.8	32.5	48.2
15°	8.3	8.3	9.7	10.2	10.3	12.0	14.1	17.9	25.6	35.4	55.6
12.5°	8.3	8.3	9.8	10.3	10.3	12.1	14.2	19.0	27.6	38.4	63.1
10°	8.3	8.3	9.9	10.3	10.3	12.2	14.3	20.2	29.8	43.3	72.3
7.5°	8.3	8.3	10.0	10.3	10.3	12.3	14.4	21.4	31.9	48.6	85.1
5°	8.3	8.3	10.1	10.3	10.3	12.4	14.5	22.6	33.8	54.0	98.0
2.5°	8.3	8.3	10.2	10.3	10.3	12.4	14.5	23.8	35.6	59.2	110.4
0°	8.3	8.3	10.3	10.3	10.3	12.4	14.5	24.8	37.2	64.1	122.0
-2.5°	8.3	8.3	10.3	10.3	10.5	12.8	16.4	29.6	47.2	78.8	139.7
-5°	8.3	8.3	10.3	10.3	10.7	13.3	18.2	34.1	56.8	92.8	156.1
-7.5°	8.3	8.3	10.3	10.3	10.8	13.6	19.9	38.3	65.7	105.9	171.1
-10°	8.3	8.3	10.2	10.3	11.0	14.0	21.5	42.0	73.7	117.8	184.5
-12.5°	8.3	8.3	10.2	10.3	11.1	14.3	22.8	45.0	80.6	128.5	196.7
-15°	8.3	8.3	10.2	10.3	11.2	14.5	23.8	47.4	86.9	138.2	207.2
-17.5°	8.3	8.3	10.1	10.3	11.3	14.7	24.5	50.0	92.9	146.6	215.6
-20°	8.3	8.3	10.1	10.3	11.4	14.8	25.2	52.5	97.3	153.4	221.9



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 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.3	8.3	10.0	10.3	11.4	14.8	26.0	53.9	100.2	158.7	225.8
-25°	8.3	8.3	9.9	10.3	11.4	15.0	26.1	54.0	101.3	162.4	227.4
-27.5°	8.3	8.3	9.8	10.3	11.4	15.1	25.5	52.8	100.6	164.0	230.5
-30°	8.3	8.3	9.8	10.3	11.3	15.1	24.2	50.2	98.9	162.9	231.6
-32.5°	8.3	8.3	9.7	10.3	11.3	15.0	22.2	48.3	95.7	159.2	230.5
-35°	8.3	8.3	9.6	10.3	11.3	14.7	21.3	45.9	90.6	152.9	227.2
-37.5°	8.3	8.3	9.5	10.3	11.2	14.5	20.9	42.2	83.4	144.1	211.9
-40°	8.3	8.3	9.4	10.3	11.1	14.4	20.4	37.4	74.1	133.7	193.2
-42.5°	8.3	8.3	9.2	10.3	11.0	14.2	19.7	31.3	65.9	117.4	172.5
-45°	8.3	8.3	9.1	10.3	11.0	13.9	18.8	26.7	57.5	99.2	150.3
-47.5°	8.3	8.3	9.0	10.3	11.0	13.5	17.7	25.4	47.4	79.9	128.4
-50°	8.3	8.3	8.9	10.2	10.9	13.0	17.1	23.8	35.1	65.9	105.0
-52.5°	8.3	8.3	8.7	10.0	10.8	12.5	16.4	22.0	29.5	51.3	81.1
-55°	8.3	8.3	8.6	9.8	10.7	12.2	15.5	20.1	26.8	36.1	64.0
-57.5°	8.3	8.3	8.4	9.6	10.5	11.9	14.6	18.9	24.0	30.2	46.3
-60°	8.3	8.3	8.3	9.4	10.3	11.5	13.6	17.5	21.3	26.9	32.7
-62.5°	8.3	8.3	8.3	9.3	10.1	11.1	12.9	15.9	19.6	23.6	29.0
-65°	8.3	8.3	8.3	9.1	9.9	10.6	12.2	14.6	17.8	21.3	25.1
-67.5°	8.3	8.3	8.3	8.9	9.8	10.2	11.3	13.5	16.0	19.2	22.4
-70°	8.3	8.3	8.3	8.7	9.6	10.1	10.4	12.4	14.8	17.1	20.1
-72.5°	8.3	8.3	8.3	8.7	9.4	10.0	10.3	11.3	13.5	15.7	17.9
-75°	8.3	8.3	8.3	8.6	9.3	9.9	10.3	10.9	12.3	14.3	16.3
-77.5°	8.3	8.3	8.3	8.6	9.1	9.8	10.3	10.7	11.6	13.0	14.7
-80°	8.3	8.3	8.3	8.5	9.0	9.6	10.3	10.5	11.0	11.9	13.1
-82.5°	8.3	8.3	8.3	8.5	8.8	9.3	9.8	10.1	10.3	10.7	11.4
-85°	8.3	8.3	8.3	8.4	8.6	8.9	9.3	9.5	9.7	9.8	10.0
-87.5°	8.3	8.3	8.3	8.4	8.5	8.6	8.8	8.9	9.0	9.1	9.1
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



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 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.8	9.3	9.8
87.5°	8.0	7.8	7.6	7.4	7.2	6.9	6.6	6.2	6.2	6.2	6.2
85°	8.3	8.3	8.3	8.3	7.8	7.3	6.7	6.2	6.2	6.2	6.2
82.5°	8.3	8.3	8.3	8.3	7.8	7.3	6.8	6.5	6.5	6.5	6.4
80°	8.3	8.3	8.3	8.3	8.1	7.9	7.8	7.9	7.8	7.3	6.8
77.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.9	7.4	6.9
75°	8.3	8.3	8.4	8.4	8.3	8.3	8.3	8.3	8.1	7.9	7.9
72.5°	8.6	8.9	8.8	8.5	8.3	8.3	8.3	8.3	9.8	11.9	13.4
70°	9.4	9.5	8.9	8.5	8.3	8.8	11.3	14.8	18.5	21.1	24.5
67.5°	10.0	9.1	8.5	8.5	10.0	12.8	16.7	25.6	35.4	39.2	40.4
65°	9.3	8.5	8.8	10.2	12.2	19.5	29.2	40.7	49.1	48.5	45.9
62.5°	8.5	8.6	9.7	13.0	19.6	28.8	37.6	45.6	53.6	51.4	44.1
60°	8.4	8.8	12.7	19.5	26.4	33.1	41.4	45.9	49.6	49.4	39.0
57.5°	8.6	11.2	17.9	24.5	30.2	35.3	37.8	41.0	42.3	42.4	31.7
55°	9.9	15.4	21.9	27.5	31.8	31.0	31.9	32.4	32.6	30.4	21.6
52.5°	13.2	18.9	24.3	29.2	30.2	27.2	23.7	23.9	22.4	18.8	15.6
50°	15.9	21.0	26.3	29.6	28.3	22.6	17.5	17.4	15.9	13.7	11.9
47.5°	17.8	23.0	28.0	29.9	25.1	20.5	16.2	14.1	12.6	12.1	10.8
45°	19.5	24.5	29.8	27.9	23.7	20.3	16.7	12.4	13.0	12.8	13.3
42.5°	21.1	25.6	28.6	26.6	24.2	21.7	18.4	15.9	14.9	16.4	17.0
40°	21.8	26.2	27.7	28.1	25.7	24.4	23.9	22.1	19.1	21.8	22.6
37.5°	22.1	26.2	28.8	32.2	29.1	29.9	31.1	31.6	29.9	29.1	32.8
35°	22.1	26.9	34.7	38.8	36.2	38.0	41.6	43.3	43.3	42.5	48.7
32.5°	22.6	28.3	42.9	46.3	49.0	51.2	53.6	57.5	61.0	65.0	75.2
30°	25.5	36.0	52.2	54.9	64.7	74.9	72.0	73.9	82.0	107.9	130.5
27.5°	31.7	46.4	60.4	68.7	84.6	105.9	112.5	99.4	123.0	163.2	201.5
25°	39.2	75.1	69.2	85.7	115.1	147.1	164.9	163.0	186.1	236.8	282.3
22.5°	55.1	112.7	109.1	104.2	150.7	197.6	228.1	281.1	355.6	355.3	371.8
20°	82.7	148.5	159.5	173.4	203.2	255.7	299.3	439.5	594.8	647.6	590.1
17.5°	115.1	188.0	216.9	263.7	330.1	364.1	388.9	628.9	891.4	995.5	1028.2
15°	151.1	230.5	278.3	364.7	470.8	530.9	636.8	911.0	1221.2	1397.6	1528.7
12.5°	189.5	275.3	342.6	473.9	621.5	701.0	935.9	1332.7	1641.7	1854.5	2187.8
10°	229.0	321.6	408.7	588.4	779.2	873.1	1256.0	1767.1	2089.9	2336.1	2792.2
7.5°	272.6	367.6	474.4	705.4	940.3	1046.0	1586.8	2204.8	2526.7	2801.0	3316.5
5°	315.0	411.8	533.2	804.8	1069.4	1191.8	1885.0	2634.3	2951.0	3248.8	3789.8
2.5°	354.2	454.1	589.7	896.4	1171.9	1293.8	2028.6	2852.9	3198.2	3567.7	4147.4
0°	388.7	494.2	643.0	980.1	1265.4	1391.5	2142.1	3041.5	3399.2	3819.0	4408.2
-2.5°	396.0	510.1	662.0	978.9	1252.9	1389.0	2153.1	3049.8	3468.5	3912.2	4488.8
-5°	397.9	522.8	676.6	969.1	1232.1	1381.0	2130.9	3019.0	3479.9	3889.5	4408.8
-7.5°	395.2	531.9	686.6	949.9	1191.6	1335.1	2005.2	2831.9	3298.0	3654.8	4143.2
-10°	388.0	530.6	675.4	906.7	1127.0	1265.5	1833.3	2616.1	3108.6	3415.7	3841.2
-12.5°	375.6	520.7	657.6	860.3	1061.6	1194.5	1633.0	2376.9	2916.6	3178.9	3523.0
-15°	361.8	508.9	636.6	812.5	997.7	1123.0	1405.6	2118.9	2733.6	3000.8	3256.5
-17.5°	347.3	495.6	612.6	764.6	937.3	1052.0	1160.1	1844.8	2502.2	2819.1	3066.2
-20°	333.1	481.0	586.0	718.0	880.5	997.0	1085.7	1567.1	2177.1	2617.9	2866.0



REPORT NUMBER: P701565 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	319.9	465.5	560.9	681.9	830.3	953.2	1043.2	1295.3	1834.1	2399.1	2667.3
-25°	315.0	443.2	540.3	650.3	782.4	909.1	1001.7	1064.7	1509.9	2069.3	2477.9
-27.5°	315.2	424.5	520.6	616.3	734.5	861.9	954.4	1019.4	1263.6	1745.1	2264.4
-30°	312.4	402.0	499.0	583.3	692.5	807.8	905.5	995.3	1072.5	1458.0	1916.3
-32.5°	300.5	378.3	472.8	557.4	650.3	755.5	865.5	961.5	1045.3	1170.7	1585.9
-35°	284.6	358.8	444.4	529.7	607.6	708.9	817.0	922.1	1011.0	1088.9	1278.3
-37.5°	270.1	336.6	415.1	499.1	575.6	662.5	764.9	870.2	965.8	1058.2	1143.9
-40°	253.5	311.8	387.1	466.2	542.4	618.4	710.9	810.3	911.1	1017.7	1120.8
-42.5°	234.4	291.2	357.3	431.8	504.2	578.5	654.5	747.9	849.3	962.1	1069.5
-45°	209.3	268.5	326.0	393.1	461.7	533.9	607.1	682.5	780.4	884.4	996.9
-47.5°	182.1	242.2	298.1	351.9	416.4	483.8	554.9	628.9	706.3	801.1	902.0
-50°	153.6	209.6	266.3	314.9	369.0	431.1	496.5	570.0	643.7	718.1	804.1
-52.5°	125.8	174.7	227.8	278.3	324.9	376.9	437.6	504.2	574.6	646.0	712.5
-55°	96.5	140.8	186.7	236.0	283.2	327.4	376.3	436.1	499.1	565.4	626.2
-57.5°	72.8	106.2	147.0	190.0	235.7	280.4	323.2	366.5	420.9	479.4	531.5
-60°	52.3	76.6	107.8	145.7	184.7	227.0	270.0	310.4	350.1	388.5	435.2
-62.5°	34.3	53.3	75.3	101.8	136.5	172.1	210.2	249.1	287.8	321.1	351.8
-65°	30.1	34.5	49.4	69.2	89.0	121.1	153.4	184.4	218.3	248.9	278.4
-67.5°	25.7	29.7	33.7	40.6	58.4	78.4	99.3	127.6	154.6	176.6	198.5
-70°	22.8	25.2	28.5	32.0	35.7	43.8	61.3	79.5	97.5	114.5	133.2
-72.5°	20.1	22.3	24.4	26.5	29.7	33.5	37.4	41.5	51.6	65.1	78.1
-75°	17.8	19.3	21.2	23.1	25.1	27.4	29.9	33.3	36.5	39.3	41.9
-77.5°	15.8	16.9	18.2	19.7	21.3	23.0	24.8	26.8	28.9	31.1	33.4
-80°	13.8	14.5	15.3	16.3	17.6	18.9	20.2	21.5	22.7	24.2	25.8
-82.5°	11.9	12.4	12.9	13.3	14.1	15.1	16.1	17.2	17.5	18.0	18.5
-85°	10.1	10.3	10.6	10.9	11.3	11.8	12.3	12.9	13.0	13.1	13.1
-87.5°	9.2	9.3	9.4	9.4	9.5	9.6	9.7	9.7	9.9	10.1	10.2
-90°	7.8	7.3	6.7	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2



REPORT NUMBER: P701565 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	10.3	10.8	11.3	11.9	12.4	17.0	21.7	26.3	31.0	38.7	46.5
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	4.0	4.0	4.0	4.0	3.5	3.1
82.5°	6.2	5.7	5.2	4.7	4.1	4.1	4.1	4.1	4.1	3.6	3.1
80°	6.3	5.9	5.7	5.5	5.4	5.2	4.9	4.6	4.1	4.1	4.0
77.5°	6.5	6.6	6.6	6.5	6.3	5.8	5.2	4.7	4.2	4.1	4.1
75°	8.1	8.3	8.5	8.2	7.5	6.9	6.6	6.3	5.9	5.5	5.1
72.5°	14.5	14.6	13.9	13.4	12.1	11.5	11.6	11.5	11.1	10.9	10.8
70°	26.5	27.0	25.9	23.4	19.7	17.4	16.2	14.8	13.1	12.3	12.3
67.5°	37.8	34.6	31.2	27.7	23.2	19.5	17.2	15.1	13.2	12.2	11.6
65°	41.3	33.8	28.2	23.8	20.4	17.5	15.2	12.9	10.7	9.3	8.8
62.5°	36.0	26.8	21.4	18.0	15.7	14.1	11.8	9.8	7.9	6.9	7.2
60°	29.2	19.8	14.7	12.8	11.4	10.3	9.1	7.9	6.9	6.2	6.3
57.5°	21.9	14.4	10.3	10.0	9.5	8.7	8.0	7.4	6.8	6.2	6.2
55°	15.1	11.9	10.3	9.8	9.2	8.7	8.1	7.5	6.9	6.2	6.2
52.5°	11.8	10.8	10.4	10.0	9.4	8.8	8.2	7.6	7.0	6.3	6.2
50°	10.8	10.4	10.5	10.1	9.6	9.0	8.4	8.0	7.8	7.6	7.7
47.5°	11.1	11.4	11.2	10.4	10.0	10.1	10.1	10.1	10.2	9.9	9.7
45°	12.7	12.7	12.6	12.4	11.9	13.1	13.8	13.9	16.2	15.3	12.9
42.5°	15.8	16.5	17.4	18.5	17.0	21.8	29.3	34.3	29.3	23.2	19.5
40°	23.9	24.4	29.7	32.4	38.5	45.3	41.3	34.5	30.7	32.8	34.0
37.5°	37.6	43.9	52.6	62.2	59.9	49.6	50.8	50.6	48.9	53.1	53.4
35°	61.4	76.9	84.2	86.6	82.3	79.1	82.0	84.7	78.4	88.4	91.6
32.5°	100.4	119.3	123.7	119.2	119.7	126.6	131.8	141.2	150.6	165.7	183.7
30°	148.1	168.5	178.2	169.3	171.2	187.6	198.2	219.7	254.0	293.2	342.0
27.5°	219.4	234.6	251.9	254.4	246.2	270.3	308.1	330.7	422.8	483.9	593.8
25°	313.6	337.0	352.3	378.2	392.0	421.3	493.7	563.3	704.9	842.8	1076.8
22.5°	437.1	512.5	540.2	536.2	617.7	696.2	757.9	953.0	1231.9	1640.1	2099.7
20°	600.2	755.2	886.9	929.7	958.6	1165.5	1378.3	1984.0	2678.4	3837.1	4738.0
17.5°	1081.9	1132.9	1422.2	1657.6	1769.6	2207.8	3201.2	4725.8	7346.3	10932.0	13136.5
15°	1806.3	1951.9	2241.9	2740.0	3356.3	4517.8	6176.0	11036.8	17757.6	25102.2	32094.6
12.5°	2606.2	2909.8	3441.2	4174.7	5153.3	8467.4	13818.8	22963.8	35406.2	48131.0	64360.0
10°	3348.6	3959.1	4831.2	6069.2	8581.8	14243.6	23251.3	38796.4	60835.9	83817.0	106775.8
7.5°	3954.1	4827.6	6102.9	7957.4	12460.6	21550.6	36323.2	59226.8	87485.0	117051.3	148180.1
5°	4565.7	5671.4	7207.5	9451.3	15002.4	27195.8	46845.0	78200.8	114668.2	151922.6	191151.7
2.5°	5095.8	6389.4	8167.7	10789.2	16711.7	30251.1	53192.3	91802.8	134619.3	179200.3	229164.8
0°	5487.6	6804.7	8694.5	11421.7	18395.9	32629.7	56908.1	95823.5	139372.4	185397.4	236463.4
-2.5°	5433.0	6624.1	8337.2	11043.6	17810.7	32200.5	54587.2	92513.1	135135.0	178279.1	223823.0
-5°	5184.8	6220.6	7755.6	10178.2	15789.7	27938.1	48985.8	83938.6	123571.4	162998.0	203521.1
-7.5°	4806.5	5702.7	7048.0	9129.2	13459.2	23025.2	40517.0	67858.9	101932.4	135628.8	166888.6
-10°	4415.7	5145.7	6236.1	7880.5	10969.3	17653.5	30023.0	50463.1	78799.3	106549.3	130504.6
-12.5°	4048.3	4591.9	5367.4	6512.4	8416.1	13215.7	22555.4	37468.3	56396.1	77731.5	98474.3
-15°	3705.7	4107.7	4664.6	5588.0	7111.6	9958.5	15028.8	24967.0	38280.6	53173.2	67511.9
-17.5°	3391.6	3723.0	4157.5	4807.7	5751.8	7512.2	11064.2	16746.1	24784.4	35377.5	45279.5
-20°	3110.0	3410.2	3735.3	4222.4	4947.4	5983.6	7732.3	11259.6	15898.1	22574.9	29123.4



REPORT NUMBER: P701565 (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°	2889.6	3125.4	3378.0	3750.7	4355.0	5089.8	5959.1	7404.2	9957.3	13382.0	17260.6
-25°	2688.2	2862.8	3124.9	3525.9	3939.9	4430.0	4957.1	5536.7	6669.5	7771.0	9801.6
-27.5°	2496.7	2680.9	2954.0	3315.8	3693.5	3922.4	4259.5	4617.5	5159.4	5637.6	6446.6
-30°	2336.9	2530.3	2762.2	3067.6	3385.5	3601.1	3776.5	4035.5	4336.1	4636.0	4984.0
-32.5°	2036.7	2405.7	2566.4	2799.2	3085.6	3312.4	3467.7	3660.1	3820.6	4007.1	4196.2
-35°	1708.4	2115.3	2447.7	2598.3	2796.3	3048.5	3269.2	3423.7	3548.1	3663.1	3771.5
-37.5°	1336.7	1760.0	2122.9	2428.4	2609.5	2778.5	3012.6	3220.5	3370.2	3449.3	3519.7
-40°	1195.3	1317.6	1701.0	2051.3	2324.1	2588.7	2771.1	2974.9	3147.9	3257.1	3338.9
-42.5°	1171.1	1233.9	1283.5	1549.0	1880.0	2163.4	2404.9	2642.6	2853.9	3010.7	3137.2
-45°	1105.7	1180.4	1250.1	1299.2	1350.1	1600.7	1870.3	2132.9	2371.3	2584.7	2771.2
-47.5°	1000.1	1089.3	1163.7	1234.9	1290.3	1334.0	1384.5	1468.2	1691.5	1910.7	2119.0
-50°	885.4	966.1	1046.8	1123.4	1183.6	1236.4	1285.0	1326.6	1368.5	1412.3	1454.0
-52.5°	772.0	844.1	915.9	983.2	1047.2	1107.5	1163.7	1204.8	1240.1	1271.2	1294.6
-55°	682.7	736.3	788.7	845.7	902.6	955.8	1004.5	1049.2	1089.8	1126.0	1153.9
-57.5°	584.0	636.7	686.8	729.5	771.0	811.1	852.5	892.0	927.0	957.3	981.9
-60°	481.1	526.0	570.6	612.6	652.6	690.3	724.2	755.5	783.6	807.8	825.9
-62.5°	381.7	417.1	457.2	493.8	525.9	556.7	591.6	623.1	651.0	674.2	691.5
-65°	306.4	331.9	360.7	389.1	416.8	446.8	477.3	504.3	528.0	547.5	562.8
-67.5°	223.3	248.3	276.4	301.8	325.3	350.6	379.7	406.5	430.9	450.6	466.6
-70°	150.6	168.3	190.4	214.1	237.2	261.3	287.9	313.4	337.9	356.6	371.9
-72.5°	90.4	102.0	113.8	129.3	145.6	165.4	187.7	210.1	232.3	248.4	261.0
-75°	44.2	48.9	58.6	67.6	75.8	86.4	97.7	108.4	118.3	125.6	131.5
-77.5°	35.8	38.1	40.3	42.4	44.5	49.1	54.7	60.5	66.4	71.1	75.5
-80°	27.5	29.0	30.5	32.1	33.7	37.3	41.1	45.0	48.9	51.8	54.6
-82.5°	19.2	19.9	20.6	21.3	21.9	24.5	27.1	29.7	32.1	34.5	36.8
-85°	13.0	13.2	13.4	13.5	13.7	16.3	19.0	21.6	24.3	26.5	28.7
-87.5°	10.3	10.4	10.4	10.5	10.5	12.7	14.9	17.0	19.0	21.1	23.1
-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: P701565 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	54.2	62.0	56.8	51.7	56.8	62.0	54.2	46.5	38.7	31.0	26.3
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
85°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.5	4.0	4.0
82.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.1
80°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.1	4.1	4.6
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.7
75°	4.6	4.1	5.1	6.2	5.1	4.1	4.6	5.1	5.5	5.9	6.3
72.5°	10.5	10.2	10.3	10.3	10.3	10.2	10.5	10.8	10.9	11.1	11.5
70°	12.3	12.3	12.4	12.4	12.4	12.3	12.3	12.3	12.3	13.1	14.8
67.5°	11.1	10.5	10.3	10.3	10.3	10.5	11.1	11.6	12.2	13.2	15.1
65°	8.5	8.4	8.3	8.3	8.3	8.4	8.5	8.8	9.3	10.7	12.9
62.5°	7.7	8.2	8.3	8.3	8.3	8.2	7.7	7.2	6.9	7.9	9.8
60°	6.4	6.3	6.2	6.2	6.2	6.3	6.4	6.3	6.2	6.9	7.9
57.5°	6.2	6.2	7.0	8.3	7.0	6.2	6.2	6.2	6.2	6.8	7.4
55°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.9	7.5
52.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.3	7.0	7.6
50°	8.0	8.1	8.3	8.3	8.3	8.1	8.0	7.7	7.6	7.8	8.0
47.5°	9.9	10.1	9.6	8.3	9.6	10.1	9.9	9.7	9.9	10.2	10.1
45°	12.9	12.6	12.3	12.4	12.3	12.6	12.9	12.9	15.3	16.2	13.9
42.5°	20.2	20.4	20.5	20.7	20.5	20.4	20.2	19.5	23.2	29.3	34.3
40°	35.8	36.6	36.8	37.2	36.8	36.6	35.8	34.0	32.8	30.7	34.5
37.5°	54.1	55.0	55.3	55.8	55.3	55.0	54.1	53.4	53.1	48.9	50.6
35°	91.3	91.0	87.9	88.9	87.9	91.0	91.3	91.6	88.4	78.4	84.7
32.5°	196.0	197.5	187.3	171.6	187.3	197.5	196.0	183.7	165.7	150.6	141.2
30°	378.8	411.2	433.0	434.2	433.0	411.2	378.8	342.0	293.2	254.0	219.7
27.5°	667.2	717.7	739.2	750.6	739.2	717.7	667.2	593.8	483.9	422.8	330.7
25°	1260.7	1376.3	1438.8	1391.5	1438.8	1376.3	1260.7	1076.8	842.8	704.9	563.3
22.5°	2536.7	2757.8	2946.3	2956.7	2946.3	2757.8	2536.7	2099.7	1640.1	1231.9	953.0
20°	5990.6	5940.3	6416.8	6178.2	6416.8	5940.3	5990.6	4738.0	3837.1	2678.4	1984.0
17.5°	16992.1	18871.5	19910.4	18489.0	19910.4	18871.5	16992.1	13136.5	10932.0	7346.3	4725.8
15°	39064.0	43752.8	46925.4	46520.2	46925.4	43752.8	39064.0	32094.6	25102.2	17757.6	11036.8
12.5°	73450.3	81155.4	87722.9	87447.4	87722.9	81155.4	73450.3	64360.0	48131.0	35406.2	22963.8
10°	127230.3	140663.6	153182.7	154487.0	153182.7	140663.6	127230.3	106775.8	83817.0	60835.9	38796.4
7.5°	176778.6	207028.7	225060.4	229686.7	225060.4	207028.7	176778.6	148180.1	117051.3	87485.0	59226.8
5°	238821.6	273852.5	292803.7	293309.4	292803.7	273852.5	238821.6	191151.7	151922.6	114668.2	78200.8
2.5°	284750.7	324210.5	347480.0	365484.1	347480.0	324210.5	284750.7	229164.8	179200.3	134619.3	91802.8
0°	298410.4	332439.8	370410.3	391521.0	370410.3	332439.8	298410.4	236463.4	185397.4	139372.4	95823.5
-2.5°	280107.1	315735.4	334584.4	351755.9	334584.4	315735.4	280107.1	223823.0	178279.1	135135.0	92513.1
-5°	245335.6	283071.8	301181.8	305047.5	301181.8	283071.8	245335.6	203521.1	162998.0	123571.4	83938.6
-7.5°	195214.0	221774.1	240108.4	247298.9	240108.4	221774.1	195214.0	166888.6	135628.8	101932.4	67858.9
-10°	152781.7	169932.4	179107.3	185208.2	179107.3	169932.4	152781.7	130504.6	106549.3	78799.3	50463.1
-12.5°	115192.9	127591.0	134786.7	137918.8	134786.7	127591.0	115192.9	98474.3	77731.5	56396.1	37468.3
-15°	81993.6	91804.1	96676.5	99778.9	96676.5	91804.1	81993.6	67511.9	53173.2	38280.6	24967.0
-17.5°	56176.5	64064.8	68561.0	71485.1	68561.0	64064.8	56176.5	45279.5	35377.5	24784.4	16746.1
-20°	35943.2	40640.1	44099.8	45108.0	44099.8	40640.1	35943.2	29123.4	22574.9	15898.1	11259.6



REPORT NUMBER: P701565 (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°	21000.4	23765.9	25508.2	25903.6	25508.2	23765.9	21000.4	17260.6	13382.0	9957.3	7404.2
-25°	11418.4	12623.3	13537.4	13847.1	13537.4	12623.3	11418.4	9801.6	7771.0	6669.5	5536.7
-27.5°	7012.0	7477.9	7815.6	7989.4	7815.6	7477.9	7012.0	6446.6	5637.6	5159.4	4617.5
-30°	5274.2	5486.7	5613.5	5698.5	5613.5	5486.7	5274.2	4984.0	4636.0	4336.1	4035.5
-32.5°	4330.3	4425.4	4482.7	4522.0	4482.7	4425.4	4330.3	4196.2	4007.1	3820.6	3660.1
-35°	3857.2	3918.9	3961.3	3982.3	3961.3	3918.9	3857.2	3771.5	3663.1	3548.1	3423.7
-37.5°	3572.1	3611.1	3639.3	3655.6	3639.3	3611.1	3572.1	3519.7	3449.3	3370.2	3220.5
-40°	3377.8	3405.2	3427.8	3453.0	3427.8	3405.2	3377.8	3338.9	3257.1	3147.9	2974.9
-42.5°	3200.7	3241.1	3261.6	3266.9	3261.6	3241.1	3200.7	3137.2	3010.7	2853.9	2642.6
-45°	2914.1	3026.7	3095.9	3118.0	3095.9	3026.7	2914.1	2771.2	2584.7	2371.3	2132.9
-47.5°	2310.5	2478.9	2606.1	2683.8	2606.1	2478.9	2310.5	2119.0	1910.7	1691.5	1468.2
-50°	1492.9	1528.5	1542.6	1534.2	1542.6	1528.5	1492.9	1454.0	1412.3	1368.5	1326.6
-52.5°	1313.2	1327.5	1339.4	1348.1	1339.4	1327.5	1313.2	1294.6	1271.2	1240.1	1204.8
-55°	1175.7	1191.8	1207.0	1219.9	1207.0	1191.8	1175.7	1153.9	1126.0	1089.8	1049.2
-57.5°	1002.5	1018.8	1024.9	1023.5	1024.9	1018.8	1002.5	981.9	957.3	927.0	892.0
-60°	840.8	852.3	861.0	866.3	861.0	852.3	840.8	825.9	807.8	783.6	755.5
-62.5°	705.0	715.1	726.4	736.1	726.4	715.1	705.0	691.5	674.2	651.0	623.1
-65°	575.8	586.4	595.0	601.7	595.0	586.4	575.8	562.8	547.5	528.0	504.3
-67.5°	480.9	493.6	503.1	510.7	503.1	493.6	480.9	466.6	450.6	430.9	406.5
-70°	385.9	398.5	406.1	411.5	406.1	398.5	385.9	371.9	356.6	337.9	313.4
-72.5°	271.9	281.0	285.3	287.4	285.3	281.0	271.9	261.0	248.4	232.3	210.1
-75°	136.7	141.2	145.3	148.9	145.3	141.2	136.7	131.5	125.6	118.3	108.4
-77.5°	79.9	84.1	86.7	88.9	86.7	84.1	79.9	75.5	71.1	66.4	60.5
-80°	57.2	59.7	61.9	64.1	61.9	59.7	57.2	54.6	51.8	48.9	45.0
-82.5°	39.1	41.3	42.4	43.4	42.4	41.3	39.1	36.8	34.5	32.1	29.7
-85°	30.9	33.0	34.1	35.2	34.1	33.0	30.9	28.7	26.5	24.3	21.6
-87.5°	25.1	27.0	27.9	28.9	27.9	27.0	25.1	23.1	21.1	19.0	17.0
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.6



REPORT NUMBER: P701565 (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°
90°	21.7	17.0	12.4	11.9	11.3	10.8	10.3	9.8	9.3	8.8	8.3
87.5°	3.1	3.6	4.1	4.6	5.2	5.7	6.2	6.2	6.2	6.2	6.2
85°	4.0	4.0	4.1	4.6	5.2	5.7	6.2	6.2	6.2	6.2	6.2
82.5°	4.1	4.1	4.1	4.7	5.2	5.7	6.2	6.4	6.5	6.5	6.5
80°	4.9	5.2	5.4	5.5	5.7	5.9	6.3	6.8	7.3	7.8	7.9
77.5°	5.2	5.8	6.3	6.5	6.6	6.6	6.5	6.9	7.4	7.9	8.3
75°	6.6	6.9	7.5	8.2	8.5	8.3	8.1	7.9	7.9	8.1	8.3
72.5°	11.6	11.5	12.1	13.4	13.9	14.6	14.5	13.4	11.9	9.8	8.3
70°	16.2	17.4	19.7	23.4	25.9	27.0	26.5	24.5	21.1	18.5	14.8
67.5°	17.2	19.5	23.2	27.7	31.2	34.6	37.8	40.4	39.2	35.4	25.6
65°	15.2	17.5	20.4	23.8	28.2	33.8	41.3	45.9	48.5	49.1	40.7
62.5°	11.8	14.1	15.7	18.0	21.4	26.8	36.0	44.1	51.4	53.6	45.6
60°	9.1	10.3	11.4	12.8	14.7	19.8	29.2	39.0	49.4	49.6	45.9
57.5°	8.0	8.7	9.5	10.0	10.3	14.4	21.9	31.7	42.4	42.3	41.0
55°	8.1	8.7	9.2	9.8	10.3	11.9	15.1	21.6	30.4	32.6	32.4
52.5°	8.2	8.8	9.4	10.0	10.4	10.8	11.8	15.6	18.8	22.4	23.9
50°	8.4	9.0	9.6	10.1	10.5	10.4	10.8	11.9	13.7	15.9	17.4
47.5°	10.1	10.1	10.0	10.4	11.2	11.4	11.1	10.8	12.1	12.6	14.1
45°	13.8	13.1	11.9	12.4	12.6	12.7	12.7	13.3	12.8	13.0	12.4
42.5°	29.3	21.8	17.0	18.5	17.4	16.5	15.8	17.0	16.4	14.9	15.9
40°	41.3	45.3	38.5	32.4	29.7	24.4	23.9	22.6	21.8	19.1	22.1
37.5°	50.8	49.6	59.9	62.2	52.6	43.9	37.6	32.8	29.1	29.9	31.6
35°	82.0	79.1	82.3	86.6	84.2	76.9	61.4	48.7	42.5	43.3	43.3
32.5°	131.8	126.6	119.7	119.2	123.7	119.3	100.4	75.2	65.0	61.0	57.5
30°	198.2	187.6	171.2	169.3	178.2	168.5	148.1	130.5	107.9	82.0	73.9
27.5°	308.1	270.3	246.2	254.4	251.9	234.6	219.4	201.5	163.2	123.0	99.4
25°	493.7	421.3	392.0	378.2	352.3	337.0	313.6	282.3	236.8	186.1	163.0
22.5°	757.9	696.2	617.7	536.2	540.2	512.5	437.1	371.8	355.3	355.6	281.1
20°	1378.3	1165.5	958.6	929.7	886.9	755.2	600.2	590.1	647.6	594.8	439.5
17.5°	3201.2	2207.8	1769.6	1657.6	1422.2	1132.9	1081.9	1028.2	995.5	891.4	628.9
15°	6176.0	4517.8	3356.3	2740.0	2241.9	1951.9	1806.3	1528.7	1397.6	1221.2	911.0
12.5°	13818.8	8467.4	5153.3	4174.7	3441.2	2909.8	2606.2	2187.8	1854.5	1641.7	1332.7
10°	23251.3	14243.6	8581.8	6069.2	4831.2	3959.1	3348.6	2792.2	2336.1	2089.9	1767.1
7.5°	36323.2	21550.6	12460.6	7957.4	6102.9	4827.6	3954.1	3316.5	2801.0	2526.7	2204.8
5°	46845.0	27195.8	15002.4	9451.3	7207.5	5671.4	4565.7	3789.8	3248.8	2951.0	2634.3
2.5°	53192.3	30251.1	16711.7	10789.2	8167.7	6389.4	5095.8	4147.4	3567.7	3198.2	2852.9
0°	56908.1	32629.7	18395.9	11421.7	8694.5	6804.7	5487.6	4408.2	3819.0	3399.2	3041.5
-2.5°	54587.2	32200.5	17810.7	11043.6	8337.2	6624.1	5433.0	4488.8	3912.2	3468.5	3049.8
-5°	48985.8	27938.1	15789.7	10178.2	7755.6	6220.6	5184.8	4408.8	3889.5	3479.9	3019.0
-7.5°	40517.0	23025.2	13459.2	9129.2	7048.0	5702.7	4806.5	4143.2	3654.8	3298.0	2831.9
-10°	30023.0	17653.5	10969.3	7880.5	6236.1	5145.7	4415.7	3841.2	3415.7	3108.6	2616.1
-12.5°	22555.4	13215.7	8416.1	6512.4	5367.4	4591.9	4048.3	3523.0	3178.9	2916.6	2376.9
-15°	15028.8	9958.5	7111.6	5588.0	4664.6	4107.7	3705.7	3256.5	3000.8	2733.6	2118.9
-17.5°	11064.2	7512.2	5751.8	4807.7	4157.5	3723.0	3391.6	3066.2	2819.1	2502.2	1844.8
-20°	7732.3	5983.6	4947.4	4222.4	3735.3	3410.2	3110.0	2866.0	2617.9	2177.1	1567.1



REPORT NUMBER: P701565 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5959.1	5089.8	4355.0	3750.7	3378.0	3125.4	2889.6	2667.3	2399.1	1834.1	1295.3
-25°	4957.1	4430.0	3939.9	3525.9	3124.9	2862.8	2688.2	2477.9	2069.3	1509.9	1064.7
-27.5°	4259.5	3922.4	3693.5	3315.8	2954.0	2680.9	2496.7	2264.4	1745.1	1263.6	1019.4
-30°	3776.5	3601.1	3385.5	3067.6	2762.2	2530.3	2336.9	1916.3	1458.0	1072.5	995.3
-32.5°	3467.7	3312.4	3085.6	2799.2	2566.4	2405.7	2036.7	1585.9	1170.7	1045.3	961.5
-35°	3269.2	3048.5	2796.3	2598.3	2447.7	2115.3	1708.4	1278.3	1088.9	1011.0	922.1
-37.5°	3012.6	2778.5	2609.5	2428.4	2122.9	1760.0	1336.7	1143.9	1058.2	965.8	870.2
-40°	2771.1	2588.7	2324.1	2051.3	1701.0	1317.6	1195.3	1120.8	1017.7	911.1	810.3
-42.5°	2404.9	2163.4	1880.0	1549.0	1283.5	1233.9	1171.1	1069.5	962.1	849.3	747.9
-45°	1870.3	1600.7	1350.1	1299.2	1250.1	1180.4	1105.7	996.9	884.4	780.4	682.5
-47.5°	1384.5	1334.0	1290.3	1234.9	1163.7	1089.3	1000.1	902.0	801.1	706.3	628.9
-50°	1285.0	1236.4	1183.6	1123.4	1046.8	966.1	885.4	804.1	718.1	643.7	570.0
-52.5°	1163.7	1107.5	1047.2	983.2	915.9	844.1	772.0	712.5	646.0	574.6	504.2
-55°	1004.5	955.8	902.6	845.7	788.7	736.3	682.7	626.2	565.4	499.1	436.1
-57.5°	852.5	811.1	771.0	729.5	686.8	636.7	584.0	531.5	479.4	420.9	366.5
-60°	724.2	690.3	652.6	612.6	570.6	526.0	481.1	435.2	388.5	350.1	310.4
-62.5°	591.6	556.7	525.9	493.8	457.2	417.1	381.7	351.8	321.1	287.8	249.1
-65°	477.3	446.8	416.8	389.1	360.7	331.9	306.4	278.4	248.9	218.3	184.4
-67.5°	379.7	350.6	325.3	301.8	276.4	248.3	223.3	198.5	176.6	154.6	127.6
-70°	287.9	261.3	237.2	214.1	190.4	168.3	150.6	133.2	114.5	97.5	79.5
-72.5°	187.7	165.4	145.6	129.3	113.8	102.0	90.4	78.1	65.1	51.6	41.5
-75°	97.7	86.4	75.8	67.6	58.6	48.9	44.2	41.9	39.3	36.5	33.3
-77.5°	54.7	49.1	44.5	42.4	40.3	38.1	35.8	33.4	31.1	28.9	26.8
-80°	41.1	37.3	33.7	32.1	30.5	29.0	27.5	25.8	24.2	22.7	21.5
-82.5°	27.1	24.5	21.9	21.3	20.6	19.9	19.2	18.5	18.0	17.5	17.2
-85°	19.0	16.3	13.7	13.5	13.4	13.2	13.0	13.1	13.1	13.0	12.9
-87.5°	14.9	12.7	10.5	10.5	10.4	10.4	10.3	10.2	10.1	9.9	9.7
-90°	3.1	3.6	4.1	4.6	5.2	5.7	6.2	6.2	6.2	6.2	6.2



REPORT NUMBER: P701565 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV5-S

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	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	6.6	6.9	7.2	7.4	7.6	7.8	8.0	8.3	8.3	8.3	8.3
85°	6.7	7.3	7.8	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
82.5°	6.8	7.3	7.8	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
80°	7.8	7.9	8.1	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
75°	8.3	8.3	8.3	8.4	8.4	8.3	8.3	8.3	8.3	8.3	8.3
72.5°	8.3	8.3	8.3	8.5	8.8	8.9	8.6	8.3	8.3	8.3	8.3
70°	11.3	8.8	8.3	8.5	8.9	9.5	9.4	8.9	8.3	8.3	8.3
67.5°	16.7	12.8	10.0	8.5	8.5	9.1	10.0	9.7	9.0	8.3	8.3
65°	29.2	19.5	12.2	10.2	8.8	8.5	9.3	10.1	9.7	8.9	8.3
62.5°	37.6	28.8	19.6	13.0	9.7	8.6	8.5	9.6	10.2	9.6	8.7
60°	41.4	33.1	26.4	19.5	12.7	8.8	8.4	9.1	9.9	10.2	9.2
57.5°	37.8	35.3	30.2	24.5	17.9	11.2	8.6	9.0	9.7	10.2	9.7
55°	31.9	31.0	31.8	27.5	21.9	15.4	9.9	9.1	9.6	10.1	10.2
52.5°	23.7	27.2	30.2	29.2	24.3	18.9	13.2	9.2	9.7	10.1	10.3
50°	17.5	22.6	28.3	29.6	26.3	21.0	15.9	11.2	9.8	10.2	10.4
47.5°	16.2	20.5	25.1	29.9	28.0	23.0	17.8	12.9	9.9	10.3	10.6
45°	16.7	20.3	23.7	27.9	29.8	24.5	19.5	14.2	10.9	10.5	10.8
42.5°	18.4	21.7	24.2	26.6	28.6	25.6	21.1	15.6	11.6	10.8	11.0
40°	23.9	24.4	25.7	28.1	27.7	26.2	21.8	16.9	12.1	11.3	11.3
37.5°	31.1	29.9	29.1	32.2	28.8	26.2	22.1	18.1	13.4	12.1	11.6
35°	41.6	38.0	36.2	38.8	34.7	26.9	22.1	18.8	15.5	13.0	12.0
32.5°	53.6	51.2	49.0	46.3	42.9	28.3	22.6	20.6	17.8	14.0	12.4
30°	72.0	74.9	64.7	54.9	52.2	36.0	25.5	22.9	20.0	15.0	13.0
27.5°	112.5	105.9	84.6	68.7	60.4	46.4	31.7	25.6	22.4	16.3	13.8
25°	164.9	147.1	115.1	85.7	69.2	75.1	39.2	28.8	24.7	18.2	14.6
22.5°	228.1	197.6	150.7	104.2	109.1	112.7	55.1	34.7	27.1	20.1	15.4
20°	299.3	255.7	203.2	173.4	159.5	148.5	82.7	41.2	29.8	22.0	16.2
17.5°	388.9	364.1	330.1	263.7	216.9	188.0	115.1	48.2	32.5	23.8	17.0
15°	636.8	530.9	470.8	364.7	278.3	230.5	151.1	55.6	35.4	25.6	17.9
12.5°	935.9	701.0	621.5	473.9	342.6	275.3	189.5	63.1	38.4	27.6	19.0
10°	1256.0	873.1	779.2	588.4	408.7	321.6	229.0	72.3	43.3	29.8	20.2
7.5°	1586.8	1046.0	940.3	705.4	474.4	367.6	272.6	85.1	48.6	31.9	21.4
5°	1885.0	1191.8	1069.4	804.8	533.2	411.8	315.0	98.0	54.0	33.8	22.6
2.5°	2028.6	1293.8	1171.9	896.4	589.7	454.1	354.2	110.4	59.2	35.6	23.8
0°	2142.1	1391.5	1265.4	980.1	643.0	494.2	388.7	122.0	64.1	37.2	24.8
-2.5°	2153.1	1389.0	1252.9	978.9	662.0	510.1	396.0	139.7	78.8	47.2	29.6
-5°	2130.9	1381.0	1232.1	969.1	676.6	522.8	397.9	156.1	92.8	56.8	34.1
-7.5°	2005.2	1335.1	1191.6	949.9	686.6	531.9	395.2	171.1	105.9	65.7	38.3
-10°	1833.3	1265.5	1127.0	906.7	675.4	530.6	388.0	184.5	117.8	73.7	42.0
-12.5°	1633.0	1194.5	1061.6	860.3	657.6	520.7	375.6	196.7	128.5	80.6	45.0
-15°	1405.6	1123.0	997.7	812.5	636.6	508.9	361.8	207.2	138.2	86.9	47.4
-17.5°	1160.1	1052.0	937.3	764.6	612.6	495.6	347.3	215.6	146.6	92.9	50.0
-20°	1085.7	997.0	880.5	718.0	586.0	481.0	333.1	221.9	153.4	97.3	52.5



REPORT NUMBER: P701565 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1043.2	953.2	830.3	681.9	560.9	465.5	319.9	225.8	158.7	100.2	53.9
-25°	1001.7	909.1	782.4	650.3	540.3	443.2	315.0	227.4	162.4	101.3	54.0
-27.5°	954.4	861.9	734.5	616.3	520.6	424.5	315.2	230.5	164.0	100.6	52.8
-30°	905.5	807.8	692.5	583.3	499.0	402.0	312.4	231.6	162.9	98.9	50.2
-32.5°	865.5	755.5	650.3	557.4	472.8	378.3	300.5	230.5	159.2	95.7	48.3
-35°	817.0	708.9	607.6	529.7	444.4	358.8	284.6	227.2	152.9	90.6	45.9
-37.5°	764.9	662.5	575.6	499.1	415.1	336.6	270.1	211.9	144.1	83.4	42.2
-40°	710.9	618.4	542.4	466.2	387.1	311.8	253.5	193.2	133.7	74.1	37.4
-42.5°	654.5	578.5	504.2	431.8	357.3	291.2	234.4	172.5	117.4	65.9	31.3
-45°	607.1	533.9	461.7	393.1	326.0	268.5	209.3	150.3	99.2	57.5	26.7
-47.5°	554.9	483.8	416.4	351.9	298.1	242.2	182.1	128.4	79.9	47.4	25.4
-50°	496.5	431.1	369.0	314.9	266.3	209.6	153.6	105.0	65.9	35.1	23.8
-52.5°	437.6	376.9	324.9	278.3	227.8	174.7	125.8	81.1	51.3	29.5	22.0
-55°	376.3	327.4	283.2	236.0	186.7	140.8	96.5	64.0	36.1	26.8	20.1
-57.5°	323.2	280.4	235.7	190.0	147.0	106.2	72.8	46.3	30.2	24.0	18.9
-60°	270.0	227.0	184.7	145.7	107.8	76.6	52.3	32.7	26.9	21.3	17.5
-62.5°	210.2	172.1	136.5	101.8	75.3	53.3	34.3	29.0	23.6	19.6	15.9
-65°	153.4	121.1	89.0	69.2	49.4	34.5	30.1	25.1	21.3	17.8	14.6
-67.5°	99.3	78.4	58.4	40.6	33.7	29.7	25.7	22.4	19.2	16.0	13.5
-70°	61.3	43.8	35.7	32.0	28.5	25.2	22.8	20.1	17.1	14.8	12.4
-72.5°	37.4	33.5	29.7	26.5	24.4	22.3	20.1	17.9	15.7	13.5	11.3
-75°	29.9	27.4	25.1	23.1	21.2	19.3	17.8	16.3	14.3	12.3	10.9
-77.5°	24.8	23.0	21.3	19.7	18.2	16.9	15.8	14.7	13.0	11.6	10.7
-80°	20.2	18.9	17.6	16.3	15.3	14.5	13.8	13.1	11.9	11.0	10.5
-82.5°	16.1	15.1	14.1	13.3	12.9	12.4	11.9	11.4	10.7	10.3	10.1
-85°	12.3	11.8	11.3	10.9	10.6	10.3	10.1	10.0	9.8	9.7	9.5
-87.5°	9.7	9.6	9.5	9.4	9.4	9.3	9.2	9.1	9.1	9.0	8.9
-90°	6.2	6.2	6.2	6.2	6.7	7.3	7.8	8.3	8.3	8.3	8.3



REPORT NUMBER: P701565 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
82.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
80°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
75°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
72.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
70°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
67.5°	8.4	8.3	8.3	8.3	8.3	8.3	8.3
65°	8.4	8.4	8.3	8.3	8.3	8.3	8.3
62.5°	8.5	8.5	8.3	8.3	8.3	8.3	8.3
60°	8.7	8.7	8.3	8.3	8.3	8.3	8.3
57.5°	9.1	8.9	8.5	8.3	8.3	8.3	8.3
55°	9.4	9.1	8.7	8.3	8.4	8.3	8.3
52.5°	9.8	9.3	8.9	8.3	8.4	8.3	8.3
50°	10.1	9.6	9.1	8.3	8.4	8.3	8.3
47.5°	10.3	9.8	9.4	8.3	8.5	8.3	8.3
45°	10.5	9.9	9.6	8.5	8.5	8.3	8.3
42.5°	10.7	10.1	9.8	8.7	8.6	8.3	8.3
40°	10.9	10.2	10.0	8.9	8.7	8.3	8.3
37.5°	11.2	10.3	10.1	9.2	8.8	8.3	8.3
35°	11.5	10.4	10.2	9.4	8.8	8.3	8.3
32.5°	11.8	10.7	10.2	9.5	8.9	8.3	8.3
30°	12.1	10.9	10.3	9.7	9.0	8.3	8.3
27.5°	12.5	11.1	10.3	9.8	9.1	8.3	8.3
25°	12.9	11.4	10.3	9.9	9.2	8.3	8.3
22.5°	13.2	11.6	10.3	10.0	9.3	8.3	8.3
20°	13.6	11.8	10.3	10.1	9.5	8.3	8.3
17.5°	13.9	11.9	10.3	10.2	9.6	8.3	8.3
15°	14.1	12.0	10.3	10.2	9.7	8.3	8.3
12.5°	14.2	12.1	10.3	10.3	9.8	8.3	8.3
10°	14.3	12.2	10.3	10.3	9.9	8.3	8.3
7.5°	14.4	12.3	10.3	10.3	10.0	8.3	8.3
5°	14.5	12.4	10.3	10.3	10.1	8.3	8.3
2.5°	14.5	12.4	10.3	10.3	10.2	8.3	8.3
0°	14.5	12.4	10.3	10.3	10.3	8.3	8.3
-2.5°	16.4	12.8	10.5	10.3	10.3	8.3	8.3
-5°	18.2	13.3	10.7	10.3	10.3	8.3	8.3
-7.5°	19.9	13.6	10.8	10.3	10.3	8.3	8.3
-10°	21.5	14.0	11.0	10.3	10.2	8.3	8.3
-12.5°	22.8	14.3	11.1	10.3	10.2	8.3	8.3
-15°	23.8	14.5	11.2	10.3	10.2	8.3	8.3
-17.5°	24.5	14.7	11.3	10.3	10.1	8.3	8.3
-20°	25.2	14.8	11.4	10.3	10.1	8.3	8.3



REPORT NUMBER: P701565 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	26.0	14.8	11.4	10.3	10.0	8.3	8.3
-25°	26.1	15.0	11.4	10.3	9.9	8.3	8.3
-27.5°	25.5	15.1	11.4	10.3	9.8	8.3	8.3
-30°	24.2	15.1	11.3	10.3	9.8	8.3	8.3
-32.5°	22.2	15.0	11.3	10.3	9.7	8.3	8.3
-35°	21.3	14.7	11.3	10.3	9.6	8.3	8.3
-37.5°	20.9	14.5	11.2	10.3	9.5	8.3	8.3
-40°	20.4	14.4	11.1	10.3	9.4	8.3	8.3
-42.5°	19.7	14.2	11.0	10.3	9.2	8.3	8.3
-45°	18.8	13.9	11.0	10.3	9.1	8.3	8.3
-47.5°	17.7	13.5	11.0	10.3	9.0	8.3	8.3
-50°	17.1	13.0	10.9	10.2	8.9	8.3	8.3
-52.5°	16.4	12.5	10.8	10.0	8.7	8.3	8.3
-55°	15.5	12.2	10.7	9.8	8.6	8.3	8.3
-57.5°	14.6	11.9	10.5	9.6	8.4	8.3	8.3
-60°	13.6	11.5	10.3	9.4	8.3	8.3	8.3
-62.5°	12.9	11.1	10.1	9.3	8.3	8.3	8.3
-65°	12.2	10.6	9.9	9.1	8.3	8.3	8.3
-67.5°	11.3	10.2	9.8	8.9	8.3	8.3	8.3
-70°	10.4	10.1	9.6	8.7	8.3	8.3	8.3
-72.5°	10.3	10.0	9.4	8.7	8.3	8.3	8.3
-75°	10.3	9.9	9.3	8.6	8.3	8.3	8.3
-77.5°	10.3	9.8	9.1	8.6	8.3	8.3	8.3
-80°	10.3	9.6	9.0	8.5	8.3	8.3	8.3
-82.5°	9.8	9.3	8.8	8.5	8.3	8.3	8.3
-85°	9.3	8.9	8.6	8.4	8.3	8.3	8.3
-87.5°	8.8	8.6	8.5	8.4	8.3	8.3	8.3
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3

(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

