

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: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-70-2S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-9)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-57-70-2S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

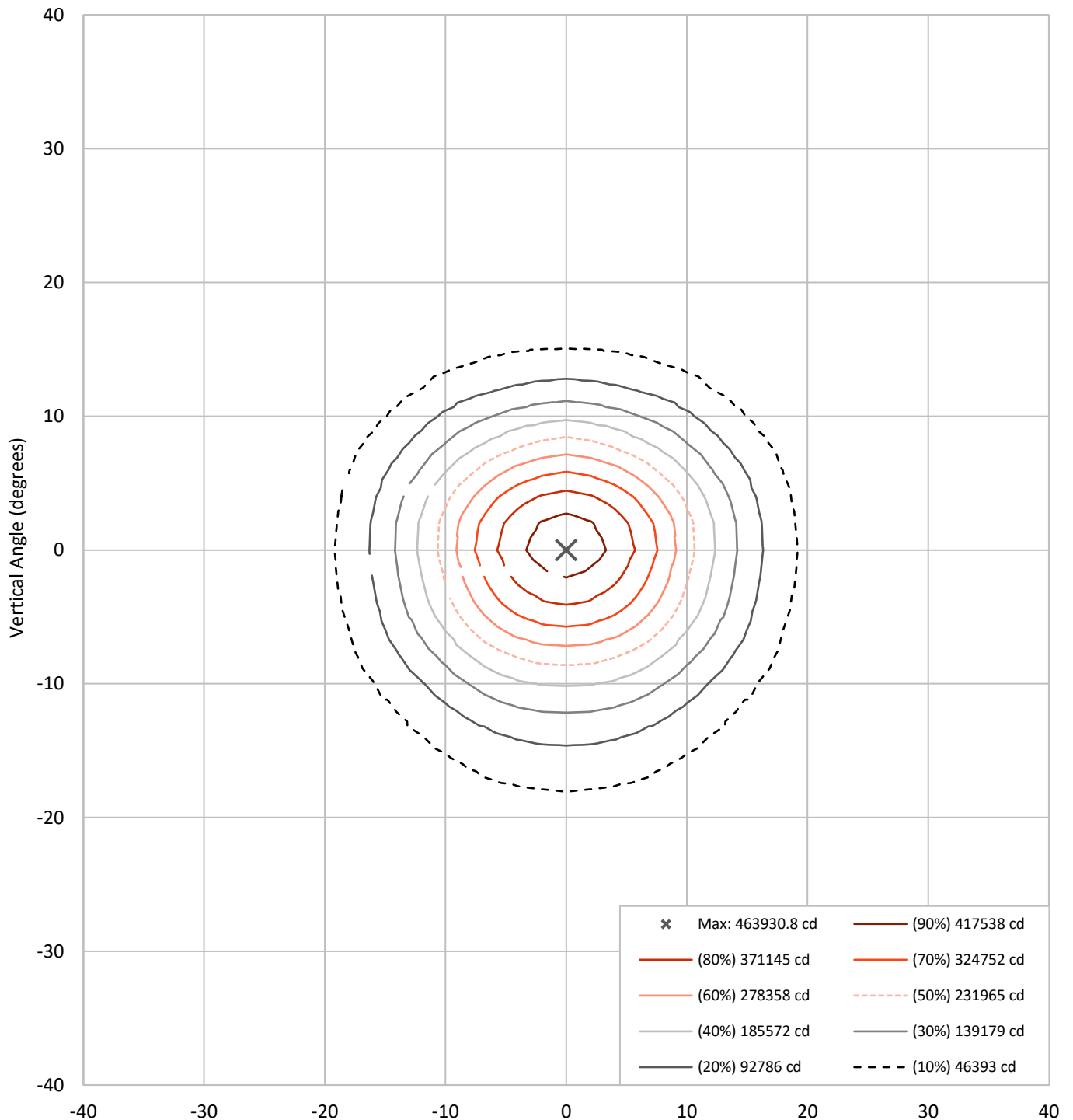
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	62574.7 lumens	Max Intensity:	463930.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	93.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.3°H x 17°V	Field Angle (10%):	38.4°H x 32.9°V
Beam Lumens:	27384.2 lumens	Field Lumens:	53004.1 lumens
Beam Efficiency:	43.8%	Field Efficiency:	84.7%

Input Watts (W): 666.2
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

REPORT NUMBER: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV5-S

Iso-Candela Plot





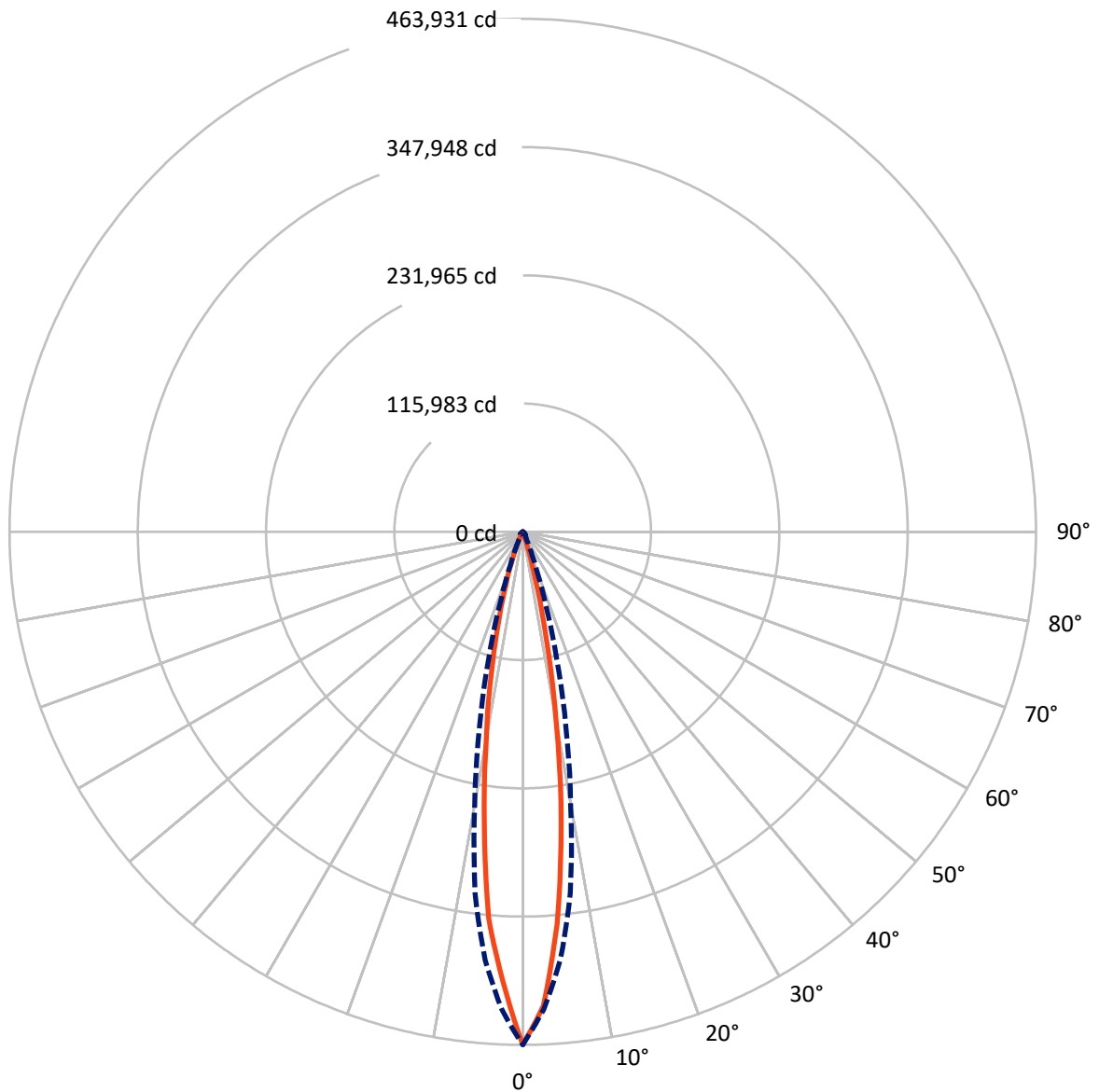
REPORT NUMBER: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV5-S

Lumen Table

90		0.2		0.5		0.7		0.8		1.0		0.8		0.7		0.5		0.2		
80		0.2		0.1		0.2		0.7		0.8		0.4		0.2		0.1		0.2		
70		0.2		0.1		0.4		0.6		0.4		0.2		0.2		0.4		0.1		
60		0.2		0.2		0.4		0.3		0.3		0.4		0.3		0.4		0.2		
50		0.2		0.3		0.6		0.9		1.7		2.3		2.6		3.1		3.1		
40		0.2		0.5		1.6		4.0		7.8		10.0		17.8		37.6		37.6		
30		0.3		1.2		5.8		19.2		40.2		72.9		503.4		1550.6		1550.6		
20		0.4		2.2		11.9		46.8		93.7		297.7		2906.5		8639.8		8639.8		
10		0.4		2.9		14.2		54.7		107.0		310.6		2966.7		8686.4		8686.4		
0		0.7		3.1		12.4		40.9		82.7		134.1		819.2		2433.6		2433.6		
-10		0.7		3.0		10.4		24.2		61.5		87.3		132.0		277.0		277.0		
-20		0.6		2.6		8.5		16.8		37.6		72.0		91.7		98.5		98.5		
-30		0.6		1.8		6.2		13.4		22.8		36.8		59.8		77.8		77.8		
-40		0.4		0.9		3.6		8.5		15.4		22.4		27.7		30.8		30.8		
-50		0.4		0.4		1.2		3.6		6.9		10.6		14.3		16.7		16.7		
-60		0.4		0.4		1.2		3.6		6.9		10.6		14.3		16.7		16.7		
-70		0.4		0.4		1.2		3.6		6.9		10.6		14.3		16.7		16.7		
-80		0.2		1.2		3.1		7.8		12.2		7.8		3.1		1.2		0.2		
-90		0.2		1.2		3.1		7.8		12.2		7.8		3.1		1.2		0.2		
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV5-S

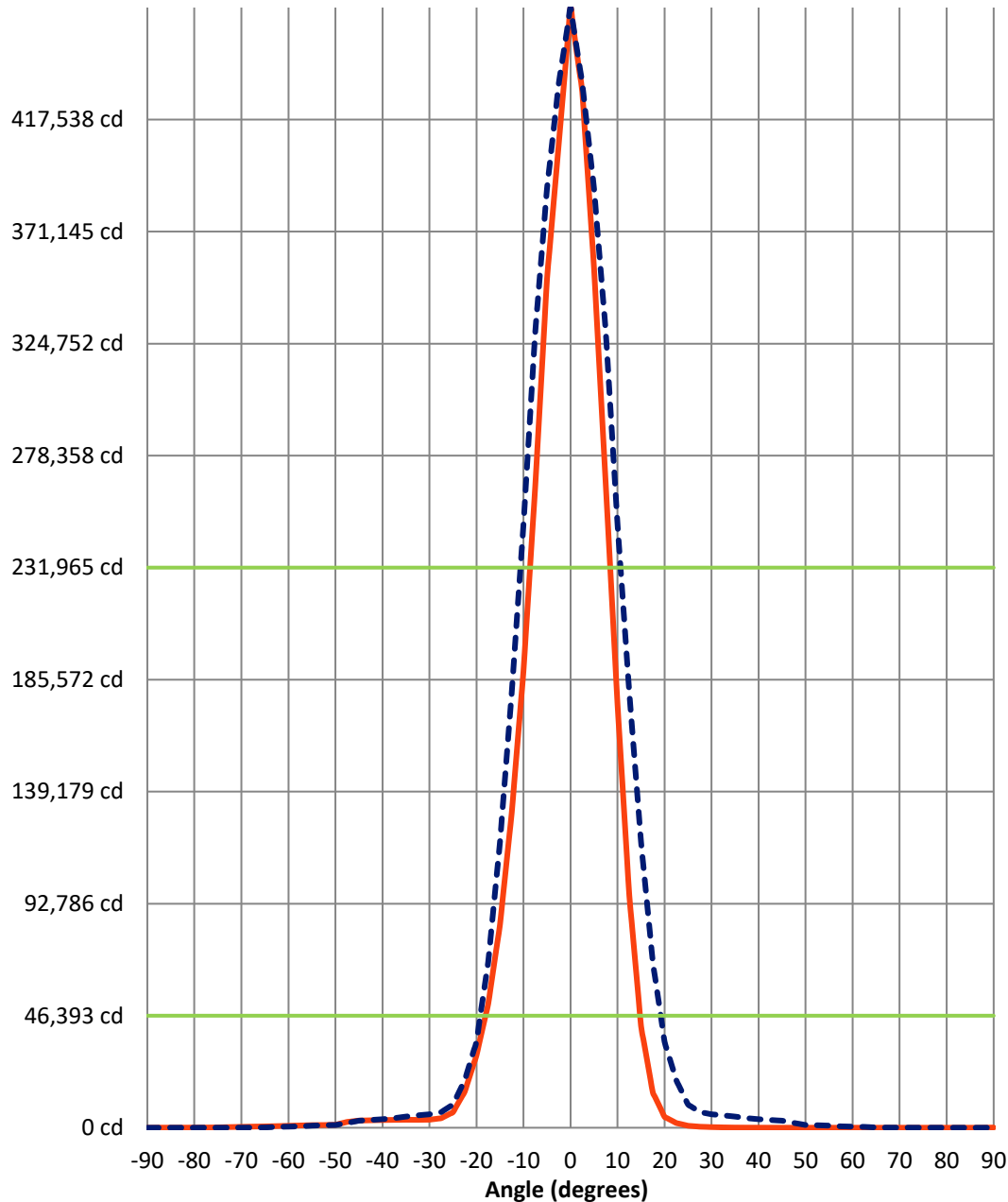
Luminous Intensity Polar Plot



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

REPORT NUMBER: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV5-S

Luminous Intensity Plot



Beam:
 H Angle: 21.3°
 V Angle: 17°
 Lumens: 27384.2
 Efficiency: 43.8%

Field:
 H Angle: 38.4°
 V Angle: 32.9°
 Lumens: 53004.1
 Efficiency: 84.7%

Spill:
 Lumens: 9570.6
 Efficiency: 15.3%

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



REPORT NUMBER: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV5-S

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.7	7.7	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.1	11.6
87.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.4	7.1	6.8	6.6
85°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.5	7.4	7.4	7.4
82.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
80°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
77.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
75°	7.7	7.7	7.7	7.7	7.7	7.9	7.8	7.7	7.7	7.7	7.7
72.5°	7.7	7.7	7.7	7.7	7.9	8.0	7.8	7.7	7.7	7.7	7.7
70°	7.7	7.7	7.7	7.7	8.1	8.2	7.9	7.7	7.7	7.7	7.8
67.5°	7.7	7.7	7.7	7.9	8.3	8.3	7.9	7.7	7.7	8.0	7.9
65°	7.7	7.7	7.7	8.1	8.5	8.4	8.0	7.7	8.1	8.3	8.1
62.5°	7.7	7.7	7.7	8.3	8.7	8.5	8.0	8.1	8.6	8.7	8.2
60°	7.7	7.7	7.7	8.5	9.0	8.5	8.1	8.6	9.1	8.8	8.3
57.5°	7.7	7.7	7.8	8.8	9.0	8.6	8.5	9.2	9.3	8.8	8.9
55°	7.7	7.7	8.0	9.0	9.1	8.6	9.0	9.7	9.4	9.1	9.7
52.5°	7.7	7.7	8.1	9.2	9.1	8.8	9.5	9.9	9.5	9.8	10.5
50°	7.7	7.7	8.3	9.4	9.2	9.2	10.0	10.1	9.7	10.5	12.1
47.5°	7.7	7.7	8.4	9.6	9.2	9.5	10.4	10.3	10.3	11.2	13.5
45°	7.7	7.7	8.5	9.6	9.3	9.9	10.7	10.6	11.1	12.1	14.6
42.5°	7.7	7.7	8.6	9.7	9.3	10.3	11.0	11.1	11.8	12.7	16.1
40°	7.7	7.7	8.8	9.7	9.5	10.7	11.3	11.7	12.5	13.2	17.6
37.5°	7.7	7.7	8.9	9.8	9.8	11.0	11.6	12.3	13.4	14.6	18.8
35°	7.7	7.7	9.0	9.8	10.1	11.3	12.0	12.8	14.4	16.6	19.5
32.5°	7.7	7.7	9.1	9.9	10.3	11.6	12.4	13.4	15.5	18.7	21.1
30°	7.7	7.7	9.2	10.0	10.6	11.9	12.8	14.1	16.7	20.8	23.1
27.5°	7.7	7.7	9.2	10.1	10.8	12.2	13.3	15.0	18.1	22.9	25.4
25°	7.7	7.7	9.3	10.2	11.0	12.5	13.8	16.0	19.9	24.9	28.0
22.5°	7.7	7.7	9.4	10.3	11.1	12.8	14.2	17.0	21.6	26.9	33.4
20°	7.7	7.7	9.5	10.5	11.3	12.9	14.6	18.0	23.3	29.1	39.3
17.5°	7.7	7.7	9.5	10.6	11.4	13.1	15.0	19.0	24.9	31.5	45.6
15°	7.7	7.7	9.6	10.7	11.5	13.2	15.3	19.9	26.4	33.8	52.2
12.5°	7.7	7.7	9.6	10.9	11.5	13.3	15.7	20.6	28.0	36.3	59.0
10°	7.7	7.7	9.6	11.0	11.6	13.4	16.1	21.3	29.5	40.3	67.1
7.5°	7.7	7.7	9.7	11.2	11.6	13.4	16.4	21.9	30.9	44.8	77.9
5°	7.7	7.7	9.7	11.3	11.6	13.5	16.8	22.4	32.3	49.3	88.5
2.5°	7.7	7.7	9.7	11.5	11.6	13.5	17.1	22.8	33.6	53.7	98.6
0°	7.7	7.7	9.7	11.6	11.6	13.5	17.4	23.2	34.7	57.9	108.1
-2.5°	7.7	7.7	9.8	11.7	11.9	13.9	18.9	27.7	43.7	71.7	125.6
-5°	7.7	7.8	9.9	11.8	12.3	14.3	20.4	32.0	52.3	84.8	141.8
-7.5°	7.7	7.8	9.9	11.9	12.6	14.7	21.7	36.0	60.4	97.0	156.7
-10°	7.7	7.9	10.0	12.0	12.9	15.1	22.8	39.5	67.6	108.1	170.0
-12.5°	7.7	7.9	10.0	12.1	13.2	15.4	23.8	42.5	73.9	117.9	181.4
-15°	7.7	8.0	10.1	12.1	13.4	15.7	24.5	44.8	79.5	126.3	190.8
-17.5°	7.7	8.0	10.1	12.2	13.7	16.0	25.0	47.2	84.5	133.3	198.2
-20°	7.7	8.0	10.1	12.2	13.9	16.3	25.5	49.3	88.3	138.9	203.4



REPORT NUMBER: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.7	8.1	10.1	12.3	14.1	16.5	26.1	50.3	90.7	142.8	206.3
-25°	7.7	8.1	10.1	12.3	14.2	16.9	26.2	50.3	91.7	145.2	206.8
-27.5°	7.7	8.1	10.1	12.3	14.3	17.2	25.7	49.0	91.1	145.9	208.5
-30°	7.7	8.1	10.1	12.3	14.4	17.4	24.7	46.5	89.5	144.9	208.3
-32.5°	7.7	8.2	10.1	12.2	14.5	17.5	23.2	44.8	86.5	141.7	205.8
-35°	7.7	8.2	10.1	12.2	14.5	17.5	22.7	42.9	81.6	136.4	201.0
-37.5°	7.7	8.2	10.1	12.2	14.5	17.4	22.6	40.1	74.9	128.8	186.8
-40°	7.7	8.2	10.0	12.1	14.5	17.4	22.4	36.4	66.2	119.4	170.4
-42.5°	7.7	8.2	10.0	12.0	14.4	17.3	21.9	31.8	59.4	104.5	152.3
-45°	7.7	8.2	9.9	12.0	14.3	17.2	21.3	28.4	53.0	87.9	132.8
-47.5°	7.7	8.2	9.9	11.9	14.2	17.0	20.4	27.3	45.4	70.4	113.0
-50°	7.7	8.2	9.8	11.7	14.0	16.8	20.0	26.0	35.9	59.5	92.1
-52.5°	7.7	8.2	9.7	11.6	13.8	16.5	19.6	24.4	31.2	48.2	71.2
-55°	7.7	8.2	9.6	11.4	13.6	16.1	19.2	22.7	28.7	36.3	57.8
-57.5°	7.7	8.2	9.5	11.3	13.3	15.8	18.7	22.0	26.2	31.4	43.8
-60°	7.7	8.1	9.4	11.1	13.0	15.3	18.1	21.2	23.9	28.6	33.1
-62.5°	7.7	8.1	9.3	10.9	12.7	14.8	17.4	20.2	22.7	25.8	30.1
-65°	7.7	8.1	9.2	10.6	12.3	14.3	16.7	19.2	21.4	23.9	27.1
-67.5°	7.7	8.1	9.1	10.4	11.9	13.8	16.0	18.2	20.0	22.3	24.8
-70°	7.7	8.0	9.0	10.1	11.5	13.2	15.2	17.3	19.1	20.5	22.7
-72.5°	7.7	8.0	8.8	9.9	11.1	12.6	14.4	16.3	18.1	19.6	20.8
-75°	7.7	7.9	8.7	9.7	10.7	12.0	13.5	15.3	17.2	18.7	20.1
-77.5°	7.7	7.9	8.5	9.4	10.3	11.3	12.6	14.3	16.0	17.8	19.3
-80°	7.7	7.9	8.4	9.2	10.0	10.8	11.7	13.2	14.8	16.4	17.9
-82.5°	7.7	7.8	8.2	9.0	9.7	10.4	11.1	12.3	13.5	14.9	16.4
-85°	7.7	7.8	8.0	8.7	9.4	10.0	10.7	11.6	12.6	13.6	14.8
-87.5°	7.7	7.7	7.9	8.5	9.0	9.6	10.2	10.9	11.6	12.4	13.2
-90°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.2	6.8	6.3	5.8



REPORT NUMBER: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	11.6	11.6	11.6	11.6	12.1	12.6	13.0	13.5	14.0	14.4	14.9
87.5°	6.5	6.3	6.1	5.8	5.8	5.8	5.8	5.8	5.3	4.9	4.4
85°	7.1	6.8	6.4	6.1	6.1	6.1	6.0	5.8	5.6	5.4	5.2
82.5°	7.4	7.2	7.2	7.2	7.0	6.7	6.3	5.8	5.8	5.8	5.8
80°	7.6	7.7	7.7	7.7	7.3	6.8	6.4	5.9	5.8	5.9	5.9
77.5°	7.7	7.7	7.7	7.7	7.4	7.0	6.9	6.9	6.8	6.7	6.4
75°	7.7	7.7	7.7	7.7	7.6	7.6	7.7	7.7	7.5	7.4	7.4
72.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	9.3	11.4	12.9
70°	7.7	7.7	7.7	7.7	7.7	8.4	11.2	15.0	18.7	20.9	23.4
67.5°	7.7	7.7	7.7	8.1	10.1	13.2	17.5	25.6	34.9	37.6	37.5
65°	7.7	7.7	8.7	10.6	13.2	19.7	28.5	39.4	47.6	46.3	43.0
62.5°	7.7	8.7	10.5	13.8	19.2	27.3	35.6	43.4	51.6	49.4	42.0
60°	8.5	9.8	13.3	18.8	24.6	30.2	38.2	43.2	47.6	47.8	36.8
57.5°	9.4	12.0	17.3	22.9	27.4	31.1	34.4	38.3	39.7	38.7	28.2
55°	11.0	15.0	20.7	25.8	28.8	27.2	28.8	29.6	29.1	26.5	18.6
52.5°	13.5	17.9	23.5	27.6	27.7	24.3	21.6	21.6	19.7	16.2	13.8
50°	15.6	20.7	26.1	28.3	26.3	20.9	16.3	15.8	14.5	13.0	11.6
47.5°	17.7	23.2	28.1	28.8	23.5	19.1	15.1	13.7	12.9	12.6	12.0
45°	19.8	24.8	29.8	26.7	22.1	18.9	16.2	13.4	13.8	13.7	13.1
42.5°	21.6	25.8	28.1	24.9	22.6	20.5	18.5	16.5	15.4	15.8	15.7
40°	22.3	26.4	26.7	26.2	24.1	23.3	23.0	21.4	18.3	19.8	20.2
37.5°	22.5	26.1	27.4	29.5	27.2	27.9	28.7	29.2	27.0	25.5	29.3
35°	22.5	26.6	32.1	35.1	33.6	34.3	37.7	39.1	38.2	37.5	44.6
32.5°	23.0	28.0	38.5	42.1	44.4	45.5	48.3	51.1	53.8	58.1	71.4
30°	25.7	34.0	46.0	50.1	57.6	65.9	63.8	65.3	72.3	98.5	121.2
27.5°	31.3	42.2	53.7	62.1	74.5	92.1	94.8	87.2	110.0	149.9	187.3
25°	38.1	67.9	62.0	76.5	100.1	123.8	134.7	139.9	166.7	220.7	262.7
22.5°	52.3	102.3	99.9	92.2	129.6	160.5	187.6	241.6	317.3	334.4	343.3
20°	77.4	136.3	146.1	153.7	174.0	201.9	248.9	377.8	539.1	598.4	536.8
17.5°	107.2	173.6	197.7	233.0	279.2	288.0	326.7	540.4	817.8	914.5	933.2
15°	140.6	213.5	252.6	321.8	391.9	425.3	538.0	803.4	1122.7	1280.8	1390.3
12.5°	176.6	255.4	309.9	417.8	510.5	563.3	803.7	1208.4	1514.9	1699.5	1988.5
10°	213.7	298.6	368.7	518.6	633.3	701.3	1097.3	1626.6	1935.5	2145.4	2517.3
7.5°	252.4	340.1	427.1	621.6	758.1	838.5	1406.3	2048.6	2345.0	2573.9	2948.5
5°	289.5	378.5	479.1	708.3	861.8	957.3	1692.8	2462.7	2742.9	2985.6	3321.0
2.5°	323.5	415.1	529.4	788.0	948.7	1046.9	1855.8	2699.3	2996.4	3285.3	3652.7
0°	353.2	449.7	577.1	860.9	1030.7	1133.0	1988.1	2905.0	3211.9	3526.5	3966.6
-2.5°	357.6	460.1	591.9	854.2	1015.4	1119.8	1953.5	2873.3	3246.4	3613.5	4073.0
-5°	357.3	467.8	602.7	840.8	995.5	1102.6	1885.5	2800.7	3233.9	3597.9	4029.3
-7.5°	353.3	472.5	609.4	821.0	964.8	1064.0	1754.8	2622.5	3076.5	3397.3	3811.8
-10°	346.2	470.8	600.2	787.3	921.2	1011.8	1587.9	2411.9	2911.1	3192.4	3561.0
-12.5°	337.2	464.2	585.8	751.3	878.5	958.4	1394.2	2173.2	2741.7	2988.9	3290.5
-15°	326.8	455.7	568.9	714.4	838.5	904.5	1176.0	1910.1	2574.5	2831.2	3067.3
-17.5°	315.7	445.8	549.8	677.8	802.6	850.8	940.5	1623.1	2336.5	2659.5	2898.8
-20°	304.7	434.6	528.7	642.6	768.6	815.6	873.7	1347.1	1990.3	2461.3	2714.5



REPORT NUMBER: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	294.4	422.4	508.8	613.8	730.4	796.3	841.1	1077.4	1624.9	2239.7	2517.6
-25°	290.4	404.4	492.2	587.1	694.0	778.5	810.9	850.6	1291.9	1881.1	2318.3
-27.5°	289.5	389.3	473.9	558.2	657.8	755.4	789.2	818.5	1043.3	1521.0	2087.6
-30°	285.7	368.8	453.4	529.5	623.1	714.5	772.5	804.7	855.4	1224.3	1696.1
-32.5°	273.1	347.1	429.3	505.0	587.1	675.3	758.6	798.2	839.7	941.2	1336.5
-35°	256.8	327.2	403.6	478.2	550.2	637.1	722.7	793.0	824.3	871.4	1036.2
-37.5°	241.6	305.2	377.1	449.5	519.1	597.5	684.2	763.0	817.6	854.2	913.0
-40°	224.3	281.2	350.6	420.0	486.8	558.2	638.6	720.1	793.9	856.8	902.1
-42.5°	204.9	259.9	322.3	389.4	452.2	519.6	590.8	669.8	753.4	839.7	903.7
-45°	183.0	236.4	292.6	353.5	414.4	477.8	545.1	616.0	700.8	788.7	874.3
-47.5°	159.1	210.5	263.8	315.3	373.2	432.9	495.8	565.1	640.1	723.4	811.3
-50°	134.1	181.8	231.6	279.1	329.3	384.9	443.0	509.4	579.2	652.2	731.1
-52.5°	109.6	151.2	197.2	243.0	287.4	334.9	389.4	449.0	513.4	580.7	646.7
-55°	83.9	121.8	161.3	204.5	247.3	288.5	333.9	387.5	442.7	503.7	562.2
-57.5°	64.4	92.0	126.9	163.9	204.2	244.6	285.4	325.9	374.4	425.2	473.3
-60°	48.2	67.4	93.4	125.6	158.9	196.8	236.9	275.2	312.2	347.3	388.8
-62.5°	34.1	49.0	66.5	88.2	117.6	147.8	182.3	219.0	256.5	286.9	314.7
-65°	30.9	34.3	46.1	61.8	77.5	103.9	131.5	158.8	190.8	220.1	247.6
-67.5°	27.7	30.8	33.8	39.3	53.4	68.6	83.9	108.0	131.8	152.9	173.7
-70°	25.2	27.4	30.0	32.7	35.6	42.1	55.4	68.7	82.1	97.6	116.0
-72.5°	22.8	25.0	27.0	28.6	31.2	34.3	37.5	40.9	48.6	59.3	70.3
-75°	21.2	22.7	24.7	26.4	27.9	29.6	31.7	34.5	37.2	39.5	41.6
-77.5°	20.1	21.1	22.4	24.0	25.2	26.2	27.5	29.0	30.9	32.9	35.1
-80°	18.7	19.3	20.0	20.9	21.8	22.6	23.3	24.1	25.1	26.5	28.0
-82.5°	16.9	17.3	17.8	18.2	18.5	18.9	19.4	20.0	20.6	21.3	22.0
-85°	15.1	15.4	15.7	16.0	15.9	15.8	15.9	15.9	16.2	16.6	16.9
-87.5°	13.4	13.5	13.6	13.8	13.8	13.8	13.7	13.5	13.6	13.7	13.8
-90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.3	4.9	4.4



REPORT NUMBER: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	15.4	15.4	15.4	15.4	15.4	20.7	26.0	31.4	36.7	45.8	55.0
87.5°	3.9	3.9	3.9	3.9	3.9	3.4	2.9	2.4	1.9	1.9	1.9
85°	5.1	4.9	4.6	4.3	3.9	3.8	3.8	3.8	3.8	3.3	2.9
82.5°	5.8	5.4	4.9	4.4	3.9	3.5	3.1	2.6	2.1	2.0	1.9
80°	5.8	5.4	4.9	4.4	4.0	3.8	3.7	3.6	3.6	3.7	3.8
77.5°	6.1	5.8	5.3	4.7	4.1	3.9	3.9	3.9	3.9	3.5	3.0
75°	7.5	7.4	7.2	6.7	5.9	5.6	5.3	4.7	4.1	3.8	3.8
72.5°	13.6	13.5	12.9	12.1	10.7	9.7	9.4	9.0	8.5	8.4	8.3
70°	24.3	23.9	22.5	19.8	16.1	13.7	12.6	11.5	10.2	9.6	9.6
67.5°	34.2	30.3	26.7	22.9	18.3	14.9	13.1	11.2	9.2	8.1	8.0
65°	37.8	30.3	25.1	20.9	17.5	14.3	11.8	9.6	7.4	6.5	6.7
62.5°	34.1	25.1	19.6	16.0	13.2	11.2	9.2	7.6	6.4	5.9	5.9
60°	27.0	18.2	13.5	11.2	9.4	7.8	6.9	6.0	5.2	4.6	4.8
57.5°	19.5	13.1	9.6	8.8	7.7	6.4	5.5	5.2	5.1	5.2	5.5
55°	13.3	11.0	9.7	8.7	7.6	6.5	5.8	5.8	5.8	5.8	5.8
52.5°	11.1	10.4	9.9	9.0	7.9	6.8	5.8	5.8	5.8	5.8	5.8
50°	11.1	10.6	10.1	9.4	8.3	7.1	6.0	6.0	6.5	6.8	6.9
47.5°	11.3	10.8	10.5	9.8	8.8	8.3	7.7	7.9	8.6	8.9	8.8
45°	11.8	11.9	11.8	11.7	10.9	11.0	11.1	11.3	13.7	13.6	12.0
42.5°	14.5	15.4	16.2	16.8	14.4	18.7	25.4	28.5	24.9	20.1	17.0
40°	21.8	22.8	27.3	29.6	36.4	42.9	37.0	30.0	26.8	29.1	30.9
37.5°	34.7	41.1	50.1	60.6	56.4	44.9	45.1	45.1	43.9	47.7	47.6
35°	58.1	72.8	81.8	79.9	73.9	70.6	73.7	77.0	69.5	76.1	77.9
32.5°	93.5	111.2	113.6	107.5	107.9	113.7	124.3	122.8	125.1	132.7	141.5
30°	135.1	156.0	164.1	153.1	145.1	159.1	165.1	170.3	187.4	209.8	229.9
27.5°	203.3	218.6	232.5	220.9	197.8	215.1	227.3	223.7	270.9	296.1	352.4
25°	288.8	310.6	318.6	322.8	315.1	311.8	342.3	357.9	423.1	492.1	609.4
22.5°	394.4	453.8	470.6	448.6	473.2	490.6	511.2	581.0	711.3	923.1	1225.5
20°	528.5	649.5	747.0	731.3	673.2	747.4	831.4	1051.2	1431.7	2287.3	2987.5
17.5°	952.7	954.9	1149.5	1227.9	1132.2	1293.2	1705.6	2420.6	3993.4	6879.5	8750.7
15°	1608.2	1651.6	1741.2	1846.1	2018.3	2438.7	3269.5	6265.8	10778.1	17021.3	23427.5
12.5°	2303.2	2401.0	2554.3	2640.2	2991.6	4116.8	7680.3	14241.4	23765.9	35784.7	55721.9
10°	2900.4	3160.8	3358.3	3626.7	4533.3	7176.3	13325.5	24662.3	43861.5	69791.6	100437.9
7.5°	3322.7	3703.8	4037.8	4542.5	6425.0	11752.9	22066.3	40926.3	69925.7	106544.2	148790.1
5°	3747.3	4229.6	4604.2	5269.4	7633.2	15185.8	28910.2	56165.5	98040.0	147889.4	204388.9
2.5°	4178.8	4721.0	5133.7	5956.8	8406.1	16926.4	32382.4	65260.1	116630.5	177328.2	245922.9
0°	4613.2	5126.6	5560.9	6491.3	9606.7	19665.0	35653.0	68731.1	118362.6	180320.6	249947.3
-2.5°	4593.1	4932.2	5329.9	6050.8	8762.9	18102.6	33138.2	64955.5	112049.8	169519.0	232660.0
-5°	4418.5	4656.6	4971.8	5608.9	7839.6	15089.3	28660.3	55524.5	98965.0	151616.7	206040.9
-7.5°	4147.1	4347.0	4582.5	5108.4	6775.2	12009.8	23182.9	44533.5	78506.6	116652.3	158385.5
-10°	3886.9	4041.0	4208.4	4572.9	5643.9	8802.2	16446.6	30176.0	54649.3	83186.3	114945.7
-12.5°	3647.0	3769.9	3858.8	4012.9	4546.5	6375.6	11825.1	21643.2	35702.6	53379.9	76808.7
-15°	3402.6	3506.7	3552.7	3676.4	4025.4	4930.7	7127.4	13303.5	22318.7	33734.4	45613.8
-17.5°	3140.1	3263.9	3333.1	3412.5	3564.6	3939.7	5151.7	7748.6	13199.0	20862.8	28514.1
-20°	2924.3	3070.1	3129.4	3184.6	3324.8	3545.1	3891.1	5058.9	7049.7	11822.8	16580.6



REPORT NUMBER: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2715.8	2847.2	2924.4	3042.9	3224.2	3376.7	3490.1	3768.3	4595.1	5897.6	8222.8
-25°	2526.1	2639.9	2792.2	3019.8	3197.3	3306.3	3327.6	3339.5	3575.2	3833.8	4618.8
-27.5°	2335.2	2496.4	2723.3	2979.9	3190.8	3243.9	3246.8	3242.7	3299.0	3338.2	3533.5
-30°	2165.1	2376.2	2590.4	2864.5	3069.7	3156.0	3192.6	3217.8	3246.7	3282.5	3295.5
-32.5°	1818.4	2249.7	2423.1	2642.6	2901.3	3037.9	3106.6	3165.2	3197.2	3228.4	3253.0
-35°	1437.6	1892.7	2306.5	2448.3	2632.0	2863.4	3035.8	3105.9	3164.9	3198.3	3229.4
-37.5°	1081.2	1471.4	1873.8	2250.7	2438.1	2601.8	2822.1	2993.7	3102.0	3144.8	3182.3
-40°	952.8	1054.1	1409.4	1755.3	2085.5	2397.3	2580.5	2787.8	2953.4	3037.3	3102.3
-42.5°	947.9	985.1	1021.3	1264.2	1570.9	1871.6	2155.8	2422.0	2667.6	2834.7	2958.4
-45°	946.8	973.4	1003.7	1039.9	1076.5	1311.2	1573.9	1838.1	2107.6	2360.5	2587.2
-47.5°	885.3	951.3	987.6	1016.6	1040.8	1071.9	1107.2	1174.0	1393.4	1614.4	1836.1
-50°	800.8	866.9	927.3	985.1	1014.4	1034.5	1053.9	1075.8	1103.5	1131.3	1159.8
-52.5°	706.3	769.0	830.6	885.8	933.2	978.9	1022.3	1042.2	1056.9	1070.4	1082.0
-55°	618.1	671.9	724.1	773.0	820.3	864.9	905.5	940.3	972.5	1001.7	1024.6
-57.5°	524.6	575.7	624.3	665.3	704.6	741.9	777.8	811.3	841.5	868.1	890.5
-60°	430.7	472.8	515.3	554.5	591.9	627.1	656.9	684.4	709.5	732.5	753.5
-62.5°	342.3	375.1	411.0	444.0	473.5	502.3	534.0	561.5	584.8	605.1	624.1
-65°	272.9	296.4	322.2	347.1	371.2	398.5	428.5	454.6	477.2	496.1	512.3
-67.5°	197.2	220.0	244.7	267.3	288.2	311.0	338.5	364.5	388.8	408.5	424.2
-70°	132.7	149.0	167.6	187.8	207.9	229.4	253.5	276.9	299.6	317.6	332.6
-72.5°	81.5	92.2	102.8	116.3	130.2	146.6	165.1	183.9	202.6	217.9	231.0
-75°	43.4	47.1	55.1	62.8	70.0	79.1	88.6	97.5	105.6	113.1	120.0
-77.5°	37.1	38.7	40.0	41.3	42.5	46.2	50.8	55.6	60.5	65.5	70.6
-80°	29.5	30.7	31.9	33.0	34.2	37.0	40.1	43.2	46.2	49.6	53.0
-82.5°	22.8	23.4	23.9	24.4	24.8	26.9	29.2	31.4	33.6	36.4	39.1
-85°	17.2	17.5	17.7	18.0	18.2	19.9	21.6	23.2	24.8	27.7	30.7
-87.5°	13.8	13.8	13.8	13.7	13.7	15.8	17.9	19.8	21.7	24.1	26.5
-90°	3.9	3.9	3.9	3.9	3.9	3.4	2.9	2.4	1.9	1.4	1.0



REPORT NUMBER: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	64.1	73.3	78.1	83.0	78.1	73.3	64.1	55.0	45.8	36.7	31.4
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4
85°	2.4	1.9	1.9	1.9	1.9	1.9	2.4	2.9	3.3	3.8	3.8
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.6
80°	3.8	3.9	2.9	1.9	2.9	3.9	3.8	3.8	3.7	3.6	3.6
77.5°	2.5	2.0	2.9	3.9	2.9	2.0	2.5	3.0	3.5	3.9	3.9
75°	3.8	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	4.1	4.7
72.5°	8.0	7.6	7.7	7.7	7.7	7.6	8.0	8.3	8.4	8.5	9.0
70°	9.6	9.6	9.7	9.7	9.7	9.6	9.6	9.6	9.6	10.2	11.5
67.5°	7.9	7.8	6.9	5.8	6.9	7.8	7.9	8.0	8.1	9.2	11.2
65°	7.1	7.6	6.8	5.8	6.8	7.6	7.1	6.7	6.5	7.4	9.6
62.5°	5.9	5.9	5.8	5.8	5.8	5.9	5.9	5.9	5.9	6.4	7.6
60°	5.2	5.7	5.8	5.8	5.8	5.7	5.2	4.8	4.6	5.2	6.0
57.5°	5.7	5.8	5.8	5.8	5.8	5.8	5.7	5.5	5.2	5.1	5.2
55°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
52.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
50°	6.6	6.1	5.8	5.8	5.8	6.1	6.6	6.9	6.8	6.5	6.0
47.5°	8.4	7.9	7.7	7.7	7.7	7.9	8.4	8.8	8.9	8.6	7.9
45°	11.9	11.7	11.5	11.6	11.5	11.7	11.9	12.0	13.6	13.7	11.3
42.5°	17.3	17.3	17.3	17.4	17.3	17.3	17.3	17.0	20.1	24.9	28.5
40°	32.4	32.7	32.0	30.9	32.0	32.7	32.4	30.9	29.1	26.8	30.0
37.5°	47.5	47.8	47.9	48.3	47.9	47.8	47.5	47.6	47.7	43.9	45.1
35°	76.9	74.9	70.7	71.4	70.7	74.9	76.9	77.9	76.1	69.5	77.0
32.5°	147.1	145.1	136.9	142.8	136.9	145.1	147.1	141.5	132.7	125.1	122.8
30°	247.5	257.4	261.6	260.6	261.6	257.4	247.5	229.9	209.8	187.4	170.3
27.5°	381.2	403.0	416.6	424.6	416.6	403.0	381.2	352.4	296.1	270.9	223.7
25°	693.6	747.4	777.9	818.4	777.9	747.4	693.6	609.4	492.1	423.1	357.9
22.5°	1551.0	1745.6	1869.4	1957.2	1869.4	1745.6	1551.0	1225.5	923.1	711.3	581.0
20°	4023.9	4008.0	4330.5	4505.1	4330.5	4008.0	4023.9	2987.5	2287.3	1431.7	1051.2
17.5°	12596.0	14597.8	15105.7	14671.6	15105.7	14597.8	12596.0	8750.7	6879.5	3993.4	2420.6
15°	32377.3	39063.8	42162.4	42119.2	42162.4	39063.8	32377.3	23427.5	17021.3	10778.1	6265.8
12.5°	69817.2	82730.8	91162.7	96263.7	91162.7	82730.8	69817.2	55721.9	35784.7	23765.9	14241.4
10°	126702.1	148824.0	166464.7	175327.1	166464.7	148824.0	126702.1	100437.9	69791.6	43861.5	24662.3
7.5°	187769.9	223563.5	253787.0	266332.9	253787.0	223563.5	187769.9	148790.1	106544.2	69925.7	40926.3
5°	258515.9	315469.2	343756.0	355945.0	343756.0	315469.2	258515.9	204388.9	147889.4	98040.0	56165.5
2.5°	317702.9	374493.0	414029.8	429055.7	414029.8	374493.0	317702.9	245922.9	177328.2	116630.5	65260.1
0°	329550.3	388918.8	432432.6	463930.8	432432.6	388918.8	329550.3	249947.3	180320.6	118362.6	68731.1
-2.5°	304386.9	362395.4	394190.4	407511.6	394190.4	362395.4	304386.9	232660.0	169519.0	112049.8	64955.5
-5°	264614.4	316099.9	345495.5	351399.3	345495.5	316099.9	264614.4	206040.9	151616.7	98965.0	55524.5
-7.5°	202213.1	237853.2	261038.8	265719.1	261038.8	237853.2	202213.1	158385.5	116652.3	78506.6	44533.5
-10°	147058.1	172754.6	187644.3	189255.5	187644.3	172754.6	147058.1	114945.7	83186.3	54649.3	30176.0
-12.5°	98257.2	118392.0	128922.7	130444.9	128922.7	118392.0	98257.2	76808.7	53379.9	35702.6	21643.2
-15°	61572.5	74669.3	82403.6	84080.1	82403.6	74669.3	61572.5	45613.8	33734.4	22318.7	13303.5
-17.5°	37937.9	44562.6	48619.4	51301.2	48619.4	44562.6	37937.9	28514.1	20862.8	13199.0	7748.6
-20°	22182.9	26478.8	28889.6	29985.9	28889.6	26478.8	22182.9	16580.6	11822.8	7049.7	5058.9



REPORT NUMBER: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11136.8	13256.2	14699.8	14918.6	14699.8	13256.2	11136.8	8222.8	5897.6	4595.1	3768.3
-25°	5401.2	5991.5	6396.6	6419.9	6396.6	5991.5	5401.2	4618.8	3833.8	3575.2	3339.5
-27.5°	3693.2	3816.0	3895.5	3941.5	3895.5	3816.0	3693.2	3533.5	3338.2	3299.0	3242.7
-30°	3309.1	3327.5	3338.7	3323.8	3338.7	3327.5	3309.1	3295.5	3282.5	3246.7	3217.8
-32.5°	3261.2	3269.9	3275.8	3265.9	3275.8	3269.9	3261.2	3253.0	3228.4	3197.2	3165.2
-35°	3257.5	3281.3	3299.9	3294.9	3299.9	3281.3	3257.5	3229.4	3198.3	3164.9	3105.9
-37.5°	3209.7	3230.6	3244.6	3244.7	3244.6	3230.6	3209.7	3182.3	3144.8	3102.0	2993.7
-40°	3138.6	3167.2	3185.0	3184.9	3185.0	3167.2	3138.6	3102.3	3037.3	2953.4	2787.8
-42.5°	3017.5	3057.6	3076.5	3074.8	3076.5	3057.6	3017.5	2958.4	2834.7	2667.6	2422.0
-45°	2757.4	2886.6	2955.9	2962.9	2955.9	2886.6	2757.4	2587.2	2360.5	2107.6	1838.1
-47.5°	2054.5	2253.6	2375.8	2403.1	2375.8	2253.6	2054.5	1836.1	1614.4	1393.4	1174.0
-50°	1188.1	1214.7	1226.0	1221.8	1226.0	1214.7	1188.1	1159.8	1131.3	1103.5	1075.8
-52.5°	1093.2	1103.9	1112.0	1117.6	1112.0	1103.9	1093.2	1082.0	1070.4	1056.9	1042.2
-55°	1043.2	1057.7	1066.8	1071.3	1066.8	1057.7	1043.2	1024.6	1001.7	972.5	940.3
-57.5°	908.8	923.1	931.2	934.2	931.2	923.1	908.8	890.5	868.1	841.5	811.3
-60°	771.1	785.1	793.3	797.2	793.3	785.1	771.1	753.5	732.5	709.5	684.4
-62.5°	640.1	653.4	661.3	665.9	661.3	653.4	640.1	624.1	605.1	584.8	561.5
-65°	526.7	539.2	546.0	550.1	546.0	539.2	526.7	512.3	496.1	477.2	454.6
-67.5°	438.4	450.9	459.1	465.2	459.1	450.9	438.4	424.2	408.5	388.8	364.5
-70°	346.3	358.6	363.0	364.8	363.0	358.6	346.3	332.6	317.6	299.6	276.9
-72.5°	242.6	252.8	259.5	264.4	259.5	252.8	242.6	231.0	217.9	202.6	183.9
-75°	126.2	131.7	135.7	139.0	135.7	131.7	126.2	120.0	113.1	105.6	97.5
-77.5°	75.6	80.5	82.8	84.9	82.8	80.5	75.6	70.6	65.5	60.5	55.6
-80°	56.3	59.5	60.7	61.8	60.7	59.5	56.3	53.0	49.6	46.2	43.2
-82.5°	41.7	44.3	45.3	46.3	45.3	44.3	41.7	39.1	36.4	33.6	31.4
-85°	33.7	36.6	37.6	38.6	37.6	36.6	33.7	30.7	27.7	24.8	23.2
-87.5°	28.8	31.1	32.8	34.7	32.8	31.1	28.8	26.5	24.1	21.7	19.8
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.4	1.9	2.4



REPORT NUMBER: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	26.0	20.7	15.4	15.4	15.4	15.4	15.4	14.9	14.4	14.0	13.5
87.5°	2.9	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.3	5.8
85°	3.8	3.8	3.9	4.3	4.6	4.9	5.1	5.2	5.4	5.6	5.8
82.5°	3.1	3.5	3.9	4.4	4.9	5.4	5.8	5.8	5.8	5.8	5.8
80°	3.7	3.8	4.0	4.4	4.9	5.4	5.8	5.9	5.9	5.8	5.9
77.5°	3.9	3.9	4.1	4.7	5.3	5.8	6.1	6.4	6.7	6.8	6.9
75°	5.3	5.6	5.9	6.7	7.2	7.4	7.5	7.4	7.4	7.5	7.7
72.5°	9.4	9.7	10.7	12.1	12.9	13.5	13.6	12.9	11.4	9.3	7.7
70°	12.6	13.7	16.1	19.8	22.5	23.9	24.3	23.4	20.9	18.7	15.0
67.5°	13.1	14.9	18.3	22.9	26.7	30.3	34.2	37.5	37.6	34.9	25.6
65°	11.8	14.3	17.5	20.9	25.1	30.3	37.8	43.0	46.3	47.6	39.4
62.5°	9.2	11.2	13.2	16.0	19.6	25.1	34.1	42.0	49.4	51.6	43.4
60°	6.9	7.8	9.4	11.2	13.5	18.2	27.0	36.8	47.8	47.6	43.2
57.5°	5.5	6.4	7.7	8.8	9.6	13.1	19.5	28.2	38.7	39.7	38.3
55°	5.8	6.5	7.6	8.7	9.7	11.0	13.3	18.6	26.5	29.1	29.6
52.5°	5.8	6.8	7.9	9.0	9.9	10.4	11.1	13.8	16.2	19.7	21.6
50°	6.0	7.1	8.3	9.4	10.1	10.6	11.1	11.6	13.0	14.5	15.8
47.5°	7.7	8.3	8.8	9.8	10.5	10.8	11.3	12.0	12.6	12.9	13.7
45°	11.1	11.0	10.9	11.7	11.8	11.9	11.8	13.1	13.7	13.8	13.4
42.5°	25.4	18.7	14.4	16.8	16.2	15.4	14.5	15.7	15.8	15.4	16.5
40°	37.0	42.9	36.4	29.6	27.3	22.8	21.8	20.2	19.8	18.3	21.4
37.5°	45.1	44.9	56.4	60.6	50.1	41.1	34.7	29.3	25.5	27.0	29.2
35°	73.7	70.6	73.9	79.9	81.8	72.8	58.1	44.6	37.5	38.2	39.1
32.5°	124.3	113.7	107.9	107.5	113.6	111.2	93.5	71.4	58.1	53.8	51.1
30°	165.1	159.1	145.1	153.1	164.1	156.0	135.1	121.2	98.5	72.3	65.3
27.5°	227.3	215.1	197.8	220.9	232.5	218.6	203.3	187.3	149.9	110.0	87.2
25°	342.3	311.8	315.1	322.8	318.6	310.6	288.8	262.7	220.7	166.7	139.9
22.5°	511.2	490.6	473.2	448.6	470.6	453.8	394.4	343.3	334.4	317.3	241.6
20°	831.4	747.4	673.2	731.3	747.0	649.5	528.5	536.8	598.4	539.1	377.8
17.5°	1705.6	1293.2	1132.2	1227.9	1149.5	954.9	952.7	933.2	914.5	817.8	540.4
15°	3269.5	2438.7	2018.3	1846.1	1741.2	1651.6	1608.2	1390.3	1280.8	1122.7	803.4
12.5°	7680.3	4116.8	2991.6	2640.2	2554.3	2401.0	2303.2	1988.5	1699.5	1514.9	1208.4
10°	13325.5	7176.3	4533.3	3626.7	3358.3	3160.8	2900.4	2517.3	2145.4	1935.5	1626.6
7.5°	22066.3	11752.9	6425.0	4542.5	4037.8	3703.8	3322.7	2948.5	2573.9	2345.0	2048.6
5°	28910.2	15185.8	7633.2	5269.4	4604.2	4229.6	3747.3	3321.0	2985.6	2742.9	2462.7
2.5°	32382.4	16926.4	8406.1	5956.8	5133.7	4721.0	4178.8	3652.7	3285.3	2996.4	2699.3
0°	35653.0	19665.0	9606.7	6491.3	5560.9	5126.6	4613.2	3966.6	3526.5	3211.9	2905.0
-2.5°	33138.2	18102.6	8762.9	6050.8	5329.9	4932.2	4593.1	4073.0	3613.5	3246.4	2873.3
-5°	28660.3	15089.3	7839.6	5608.9	4971.8	4656.6	4418.5	4029.3	3597.9	3233.9	2800.7
-7.5°	23182.9	12009.8	6775.2	5108.4	4582.5	4347.0	4147.1	3811.8	3397.3	3076.5	2622.5
-10°	16446.6	8802.2	5643.9	4572.9	4208.4	4041.0	3886.9	3561.0	3192.4	2911.1	2411.9
-12.5°	11825.1	6375.6	4546.5	4012.9	3858.8	3769.9	3647.0	3290.5	2988.9	2741.7	2173.2
-15°	7127.4	4930.7	4025.4	3676.4	3552.7	3506.7	3402.6	3067.3	2831.2	2574.5	1910.1
-17.5°	5151.7	3939.7	3564.6	3412.5	3333.1	3263.9	3140.1	2898.8	2659.5	2336.5	1623.1
-20°	3891.1	3545.1	3324.8	3184.6	3129.4	3070.1	2924.3	2714.5	2461.3	1990.3	1347.1



REPORT NUMBER: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3490.1	3376.7	3224.2	3042.9	2924.4	2847.2	2715.8	2517.6	2239.7	1624.9	1077.4
-25°	3327.6	3306.3	3197.3	3019.8	2792.2	2639.9	2526.1	2318.3	1881.1	1291.9	850.6
-27.5°	3246.8	3243.9	3190.8	2979.9	2723.3	2496.4	2335.2	2087.6	1521.0	1043.3	818.5
-30°	3192.6	3156.0	3069.7	2864.5	2590.4	2376.2	2165.1	1696.1	1224.3	855.4	804.7
-32.5°	3106.6	3037.9	2901.3	2642.6	2423.1	2249.7	1818.4	1336.5	941.2	839.7	798.2
-35°	3035.8	2863.4	2632.0	2448.3	2306.5	1892.7	1437.6	1036.2	871.4	824.3	793.0
-37.5°	2822.1	2601.8	2438.1	2250.7	1873.8	1471.4	1081.2	913.0	854.2	817.6	763.0
-40°	2580.5	2397.3	2085.5	1755.3	1409.4	1054.1	952.8	902.1	856.8	793.9	720.1
-42.5°	2155.8	1871.6	1570.9	1264.2	1021.3	985.1	947.9	903.7	839.7	753.4	669.8
-45°	1573.9	1311.2	1076.5	1039.9	1003.7	973.4	946.8	874.3	788.7	700.8	616.0
-47.5°	1107.2	1071.9	1040.8	1016.6	987.6	951.3	885.3	811.3	723.4	640.1	565.1
-50°	1053.9	1034.5	1014.4	985.1	927.3	866.9	800.8	731.1	652.2	579.2	509.4
-52.5°	1022.3	978.9	933.2	885.8	830.6	769.0	706.3	646.7	580.7	513.4	449.0
-55°	905.5	864.9	820.3	773.0	724.1	671.9	618.1	562.2	503.7	442.7	387.5
-57.5°	777.8	741.9	704.6	665.3	624.3	575.7	524.6	473.3	425.2	374.4	325.9
-60°	656.9	627.1	591.9	554.5	515.3	472.8	430.7	388.8	347.3	312.2	275.2
-62.5°	534.0	502.3	473.5	444.0	411.0	375.1	342.3	314.7	286.9	256.5	219.0
-65°	428.5	398.5	371.2	347.1	322.2	296.4	272.9	247.6	220.1	190.8	158.8
-67.5°	338.5	311.0	288.2	267.3	244.7	220.0	197.2	173.7	152.9	131.8	108.0
-70°	253.5	229.4	207.9	187.8	167.6	149.0	132.7	116.0	97.6	82.1	68.7
-72.5°	165.1	146.6	130.2	116.3	102.8	92.2	81.5	70.3	59.3	48.6	40.9
-75°	88.6	79.1	70.0	62.8	55.1	47.1	43.4	41.6	39.5	37.2	34.5
-77.5°	50.8	46.2	42.5	41.3	40.0	38.7	37.1	35.1	32.9	30.9	29.0
-80°	40.1	37.0	34.2	33.0	31.9	30.7	29.5	28.0	26.5	25.1	24.1
-82.5°	29.2	26.9	24.8	24.4	23.9	23.4	22.8	22.0	21.3	20.6	20.0
-85°	21.6	19.9	18.2	18.0	17.7	17.5	17.2	16.9	16.6	16.2	15.9
-87.5°	17.9	15.8	13.7	13.7	13.8	13.8	13.8	13.8	13.7	13.6	13.5
-90°	2.9	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.3	5.8



REPORT NUMBER: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	13.0	12.6	12.1	11.6	11.6	11.6	11.6	11.6	11.1	10.7	10.2
87.5°	5.8	5.8	5.8	5.8	6.1	6.3	6.5	6.6	6.8	7.1	7.4
85°	6.0	6.1	6.1	6.1	6.4	6.8	7.1	7.4	7.4	7.4	7.5
82.5°	6.3	6.7	7.0	7.2	7.2	7.2	7.4	7.7	7.7	7.7	7.7
80°	6.4	6.8	7.3	7.7	7.7	7.7	7.6	7.7	7.7	7.7	7.7
77.5°	6.9	7.0	7.4	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
75°	7.7	7.6	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
72.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
70°	11.2	8.4	7.7	7.7	7.7	7.7	7.7	7.8	7.7	7.7	7.7
67.5°	17.5	13.2	10.1	8.1	7.7	7.7	7.7	7.9	8.0	7.7	7.7
65°	28.5	19.7	13.2	10.6	8.7	7.7	7.7	8.1	8.3	8.1	7.7
62.5°	35.6	27.3	19.2	13.8	10.5	8.7	7.7	8.2	8.7	8.6	8.1
60°	38.2	30.2	24.6	18.8	13.3	9.8	8.5	8.3	8.8	9.1	8.6
57.5°	34.4	31.1	27.4	22.9	17.3	12.0	9.4	8.9	8.8	9.3	9.2
55°	28.8	27.2	28.8	25.8	20.7	15.0	11.0	9.7	9.1	9.4	9.7
52.5°	21.6	24.3	27.7	27.6	23.5	17.9	13.5	10.5	9.8	9.5	9.9
50°	16.3	20.9	26.3	28.3	26.1	20.7	15.6	12.1	10.5	9.7	10.1
47.5°	15.1	19.1	23.5	28.8	28.1	23.2	17.7	13.5	11.2	10.3	10.3
45°	16.2	18.9	22.1	26.7	29.8	24.8	19.8	14.6	12.1	11.1	10.6
42.5°	18.5	20.5	22.6	24.9	28.1	25.8	21.6	16.1	12.7	11.8	11.1
40°	23.0	23.3	24.1	26.2	26.7	26.4	22.3	17.6	13.2	12.5	11.7
37.5°	28.7	27.9	27.2	29.5	27.4	26.1	22.5	18.8	14.6	13.4	12.3
35°	37.7	34.3	33.6	35.1	32.1	26.6	22.5	19.5	16.6	14.4	12.8
32.5°	48.3	45.5	44.4	42.1	38.5	28.0	23.0	21.1	18.7	15.5	13.4
30°	63.8	65.9	57.6	50.1	46.0	34.0	25.7	23.1	20.8	16.7	14.1
27.5°	94.8	92.1	74.5	62.1	53.7	42.2	31.3	25.4	22.9	18.1	15.0
25°	134.7	123.8	100.1	76.5	62.0	67.9	38.1	28.0	24.9	19.9	16.0
22.5°	187.6	160.5	129.6	92.2	99.9	102.3	52.3	33.4	26.9	21.6	17.0
20°	248.9	201.9	174.0	153.7	146.1	136.3	77.4	39.3	29.1	23.3	18.0
17.5°	326.7	288.0	279.2	233.0	197.7	173.6	107.2	45.6	31.5	24.9	19.0
15°	538.0	425.3	391.9	321.8	252.6	213.5	140.6	52.2	33.8	26.4	19.9
12.5°	803.7	563.3	510.5	417.8	309.9	255.4	176.6	59.0	36.3	28.0	20.6
10°	1097.3	701.3	633.3	518.6	368.7	298.6	213.7	67.1	40.3	29.5	21.3
7.5°	1406.3	838.5	758.1	621.6	427.1	340.1	252.4	77.9	44.8	30.9	21.9
5°	1692.8	957.3	861.8	708.3	479.1	378.5	289.5	88.5	49.3	32.3	22.4
2.5°	1855.8	1046.9	948.7	788.0	529.4	415.1	323.5	98.6	53.7	33.6	22.8
0°	1988.1	1133.0	1030.7	860.9	577.1	449.7	353.2	108.1	57.9	34.7	23.2
-2.5°	1953.5	1119.8	1015.4	854.2	591.9	460.1	357.6	125.6	71.7	43.7	27.7
-5°	1885.5	1102.6	995.5	840.8	602.7	467.8	357.3	141.8	84.8	52.3	32.0
-7.5°	1754.8	1064.0	964.8	821.0	609.4	472.5	353.3	156.7	97.0	60.4	36.0
-10°	1587.9	1011.8	921.2	787.3	600.2	470.8	346.2	170.0	108.1	67.6	39.5
-12.5°	1394.2	958.4	878.5	751.3	585.8	464.2	337.2	181.4	117.9	73.9	42.5
-15°	1176.0	904.5	838.5	714.4	568.9	455.7	326.8	190.8	126.3	79.5	44.8
-17.5°	940.5	850.8	802.6	677.8	549.8	445.8	315.7	198.2	133.3	84.5	47.2
-20°	873.7	815.6	768.6	642.6	528.7	434.6	304.7	203.4	138.9	88.3	49.3



REPORT NUMBER: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	841.1	796.3	730.4	613.8	508.8	422.4	294.4	206.3	142.8	90.7	50.3
-25°	810.9	778.5	694.0	587.1	492.2	404.4	290.4	206.8	145.2	91.7	50.3
-27.5°	789.2	755.4	657.8	558.2	473.9	389.3	289.5	208.5	145.9	91.1	49.0
-30°	772.5	714.5	623.1	529.5	453.4	368.8	285.7	208.3	144.9	89.5	46.5
-32.5°	758.6	675.3	587.1	505.0	429.3	347.1	273.1	205.8	141.7	86.5	44.8
-35°	722.7	637.1	550.2	478.2	403.6	327.2	256.8	201.0	136.4	81.6	42.9
-37.5°	684.2	597.5	519.1	449.5	377.1	305.2	241.6	186.8	128.8	74.9	40.1
-40°	638.6	558.2	486.8	420.0	350.6	281.2	224.3	170.4	119.4	66.2	36.4
-42.5°	590.8	519.6	452.2	389.4	322.3	259.9	204.9	152.3	104.5	59.4	31.8
-45°	545.1	477.8	414.4	353.5	292.6	236.4	183.0	132.8	87.9	53.0	28.4
-47.5°	495.8	432.9	373.2	315.3	263.8	210.5	159.1	113.0	70.4	45.4	27.3
-50°	443.0	384.9	329.3	279.1	231.6	181.8	134.1	92.1	59.5	35.9	26.0
-52.5°	389.4	334.9	287.4	243.0	197.2	151.2	109.6	71.2	48.2	31.2	24.4
-55°	333.9	288.5	247.3	204.5	161.3	121.8	83.9	57.8	36.3	28.7	22.7
-57.5°	285.4	244.6	204.2	163.9	126.9	92.0	64.4	43.8	31.4	26.2	22.0
-60°	236.9	196.8	158.9	125.6	93.4	67.4	48.2	33.1	28.6	23.9	21.2
-62.5°	182.3	147.8	117.6	88.2	66.5	49.0	34.1	30.1	25.8	22.7	20.2
-65°	131.5	103.9	77.5	61.8	46.1	34.3	30.9	27.1	23.9	21.4	19.2
-67.5°	83.9	68.6	53.4	39.3	33.8	30.8	27.7	24.8	22.3	20.0	18.2
-70°	55.4	42.1	35.6	32.7	30.0	27.4	25.2	22.7	20.5	19.1	17.3
-72.5°	37.5	34.3	31.2	28.6	27.0	25.0	22.8	20.8	19.6	18.1	16.3
-75°	31.7	29.6	27.9	26.4	24.7	22.7	21.2	20.1	18.7	17.2	15.3
-77.5°	27.5	26.2	25.2	24.0	22.4	21.1	20.1	19.3	17.8	16.0	14.3
-80°	23.3	22.6	21.8	20.9	20.0	19.3	18.7	17.9	16.4	14.8	13.2
-82.5°	19.4	18.9	18.5	18.2	17.8	17.3	16.9	16.4	14.9	13.5	12.3
-85°	15.9	15.8	15.9	16.0	15.7	15.4	15.1	14.8	13.6	12.6	11.6
-87.5°	13.7	13.8	13.8	13.8	13.6	13.5	13.4	13.2	12.4	11.6	10.9
-90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.3	6.8	7.2



REPORT NUMBER: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.7	9.2	8.7	8.2	7.7	7.7	7.7
87.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
85°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
82.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
80°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
77.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
75°	7.8	7.9	7.7	7.7	7.7	7.7	7.7
72.5°	7.8	8.0	7.9	7.7	7.7	7.7	7.7
70°	7.9	8.2	8.1	7.7	7.7	7.7	7.7
67.5°	7.9	8.3	8.3	7.9	7.7	7.7	7.7
65°	8.0	8.4	8.5	8.1	7.7	7.7	7.7
62.5°	8.0	8.5	8.7	8.3	7.7	7.7	7.7
60°	8.1	8.5	9.0	8.5	7.7	7.7	7.7
57.5°	8.5	8.6	9.0	8.8	7.8	7.7	7.7
55°	9.0	8.6	9.1	9.0	8.0	7.7	7.7
52.5°	9.5	8.8	9.1	9.2	8.1	7.7	7.7
50°	10.0	9.2	9.2	9.4	8.3	7.7	7.7
47.5°	10.4	9.5	9.2	9.6	8.4	7.7	7.7
45°	10.7	9.9	9.3	9.6	8.5	7.7	7.7
42.5°	11.0	10.3	9.3	9.7	8.6	7.7	7.7
40°	11.3	10.7	9.5	9.7	8.8	7.7	7.7
37.5°	11.6	11.0	9.8	9.8	8.9	7.7	7.7
35°	12.0	11.3	10.1	9.8	9.0	7.7	7.7
32.5°	12.4	11.6	10.3	9.9	9.1	7.7	7.7
30°	12.8	11.9	10.6	10.0	9.2	7.7	7.7
27.5°	13.3	12.2	10.8	10.1	9.2	7.7	7.7
25°	13.8	12.5	11.0	10.2	9.3	7.7	7.7
22.5°	14.2	12.8	11.1	10.3	9.4	7.7	7.7
20°	14.6	12.9	11.3	10.5	9.5	7.7	7.7
17.5°	15.0	13.1	11.4	10.6	9.5	7.7	7.7
15°	15.3	13.2	11.5	10.7	9.6	7.7	7.7
12.5°	15.7	13.3	11.5	10.9	9.6	7.7	7.7
10°	16.1	13.4	11.6	11.0	9.6	7.7	7.7
7.5°	16.4	13.4	11.6	11.2	9.7	7.7	7.7
5°	16.8	13.5	11.6	11.3	9.7	7.7	7.7
2.5°	17.1	13.5	11.6	11.5	9.7	7.7	7.7
0°	17.4	13.5	11.6	11.6	9.7	7.7	7.7
-2.5°	18.9	13.9	11.9	11.7	9.8	7.7	7.7
-5°	20.4	14.3	12.3	11.8	9.9	7.8	7.7
-7.5°	21.7	14.7	12.6	11.9	9.9	7.8	7.7
-10°	22.8	15.1	12.9	12.0	10.0	7.9	7.7
-12.5°	23.8	15.4	13.2	12.1	10.0	7.9	7.7
-15°	24.5	15.7	13.4	12.1	10.1	8.0	7.7
-17.5°	25.0	16.0	13.7	12.2	10.1	8.0	7.7
-20°	25.5	16.3	13.9	12.2	10.1	8.0	7.7



REPORT NUMBER: P701561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	26.1	16.5	14.1	12.3	10.1	8.1	7.7
-25°	26.2	16.9	14.2	12.3	10.1	8.1	7.7
-27.5°	25.7	17.2	14.3	12.3	10.1	8.1	7.7
-30°	24.7	17.4	14.4	12.3	10.1	8.1	7.7
-32.5°	23.2	17.5	14.5	12.2	10.1	8.2	7.7
-35°	22.7	17.5	14.5	12.2	10.1	8.2	7.7
-37.5°	22.6	17.4	14.5	12.2	10.1	8.2	7.7
-40°	22.4	17.4	14.5	12.1	10.0	8.2	7.7
-42.5°	21.9	17.3	14.4	12.0	10.0	8.2	7.7
-45°	21.3	17.2	14.3	12.0	9.9	8.2	7.7
-47.5°	20.4	17.0	14.2	11.9	9.9	8.2	7.7
-50°	20.0	16.8	14.0	11.7	9.8	8.2	7.7
-52.5°	19.6	16.5	13.8	11.6	9.7	8.2	7.7
-55°	19.2	16.1	13.6	11.4	9.6	8.2	7.7
-57.5°	18.7	15.8	13.3	11.3	9.5	8.2	7.7
-60°	18.1	15.3	13.0	11.1	9.4	8.1	7.7
-62.5°	17.4	14.8	12.7	10.9	9.3	8.1	7.7
-65°	16.7	14.3	12.3	10.6	9.2	8.1	7.7
-67.5°	16.0	13.8	11.9	10.4	9.1	8.1	7.7
-70°	15.2	13.2	11.5	10.1	9.0	8.0	7.7
-72.5°	14.4	12.6	11.1	9.9	8.8	8.0	7.7
-75°	13.5	12.0	10.7	9.7	8.7	7.9	7.7
-77.5°	12.6	11.3	10.3	9.4	8.5	7.9	7.7
-80°	11.7	10.8	10.0	9.2	8.4	7.9	7.7
-82.5°	11.1	10.4	9.7	9.0	8.2	7.8	7.7
-85°	10.7	10.0	9.4	8.7	8.0	7.8	7.7
-87.5°	10.2	9.6	9.0	8.5	7.9	7.7	7.7
-90°	7.7	7.7	7.7	7.7	7.7	7.7	7.7

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

