

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: P701593 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-80-4S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701593 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-23)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-08-0640L-57-80-4S-CV5-S
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

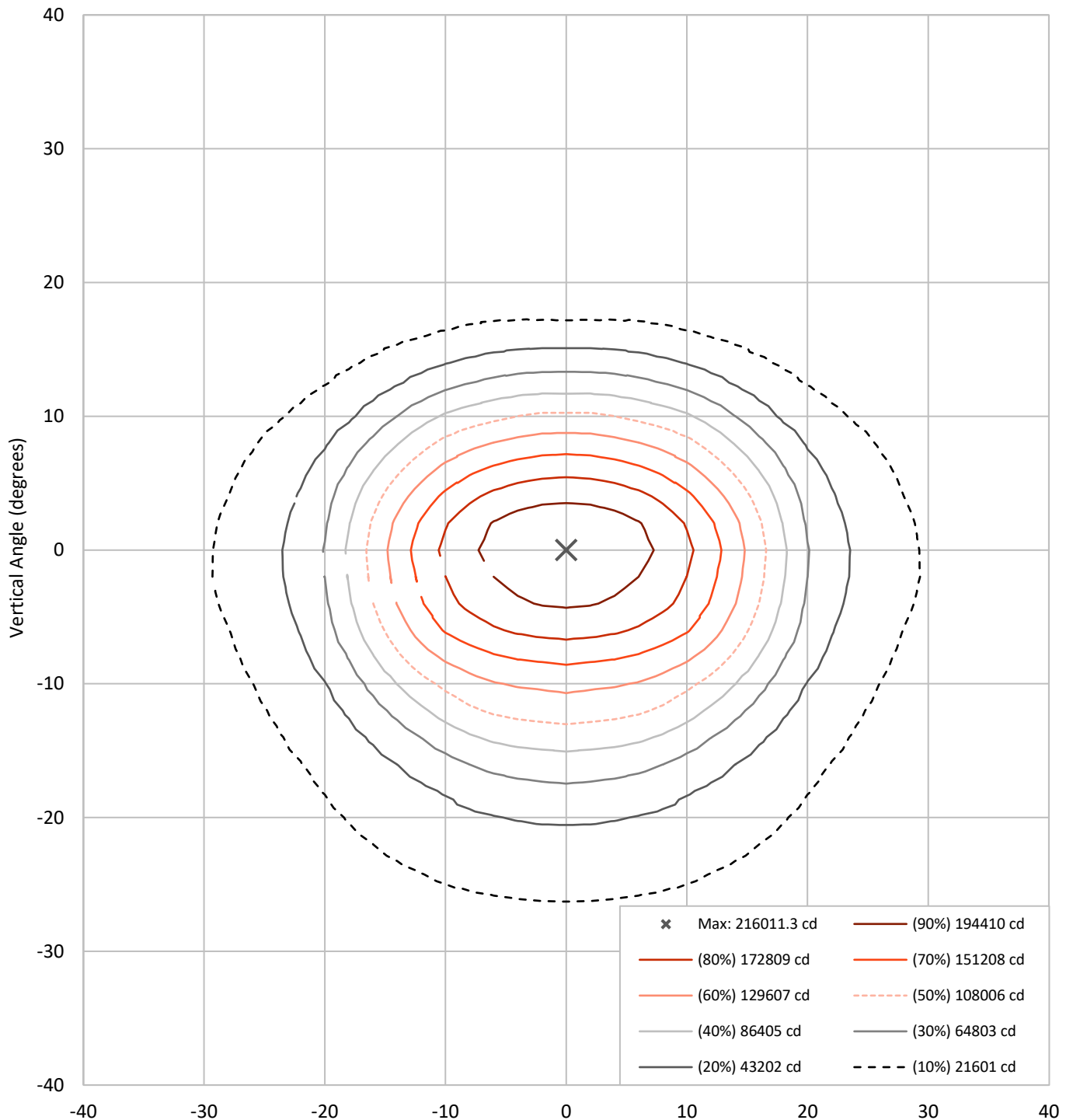
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 3V
Luminaire Lumens:	57023.3 lumens	Max Intensity:	216011.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	86.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.1°H x 23.4°V	Field Angle (10%):	58.5°H x 43.2°V
Beam Lumens:	28851.9 lumens	Field Lumens:	49177.6 lumens
Beam Efficiency:	50.6%	Field Efficiency:	86.2%

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

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CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV5-S

Iso-Candela Plot





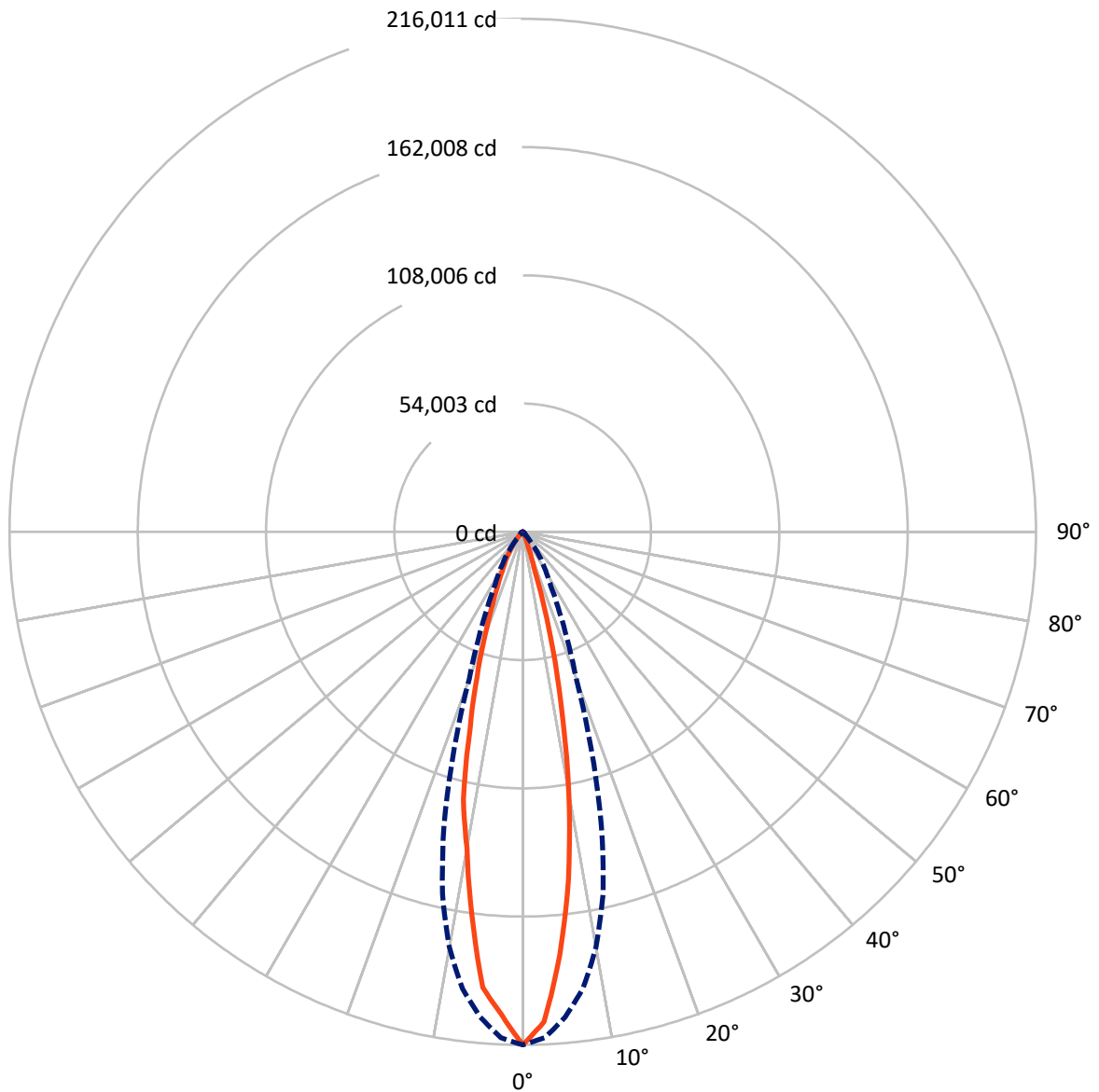
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Lumen Table

90																			
80	0.2	0.5		0.8		0.7		0.5		0.7		0.8		0.5		0.2			
70																			
60	0.2	0.1	0.2	0.5	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.5	0.2	0.1	0.2			
50		0.1	0.3	0.8	0.8	0.3	0.2	0.2	0.2	0.2	0.3	0.8	0.8	0.3	0.1				
40	0.2	0.2	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.2	0.2			
30		0.2	0.6	0.8	1.2	2.4	4.4	6.5	6.5	4.4	2.4	1.2	0.8	0.6	0.2				
20	0.3	0.4	1.5	3.2	8.6	23.8	49.3	81.8	81.8	49.3	23.8	8.6	3.2	1.5	0.4	0.3			
10		1.0	4.9	12.9	77.0	240.5	732.6	1369.3	1369.3	732.6	240.5	77.0	12.9	4.9	1.0				
0	0.3	1.8	9.9	32.5	238.9	841.5	2913.4	4957.9	4957.9	2913.4	841.5	238.9	32.5	9.9	1.8	0.3			
-10		2.5	12.2	39.0	266.2	928.5	3209.0	5267.9	5267.9	3209.0	928.5	266.2	39.0	12.2	2.5				
-20	0.5	2.7	10.8	27.4	157.7	511.8	1420.1	2495.8	2495.8	1420.1	511.8	157.7	27.4	10.8	2.7	0.5			
-30		2.5	9.1	18.3	65.9	255.8	527.2	767.7	767.7	527.2	255.8	65.9	18.3	9.1	2.5				
-40	0.4	2.1	7.6	14.3	26.7	79.6	180.8	256.6	256.6	180.8	79.6	26.7	14.3	7.6	2.1	0.4			
-50		1.3	5.5	11.7	19.1	28.5	41.2	54.0	54.0	41.2	28.5	19.1	11.7	5.5	1.3				
-60	0.3	0.7	2.8	7.5	13.4	18.8	23.0	25.8	25.8	23.0	18.8	13.4	7.5	2.8	0.7	0.3			
-70		0.3	1.0	2.8	5.6	9.1	12.2	14.0	14.0	12.2	9.1	5.6	2.8	1.0	0.3				
-80	0.2	0.8		2.7		7.0		10.0		7.0		2.7		0.8		0.2			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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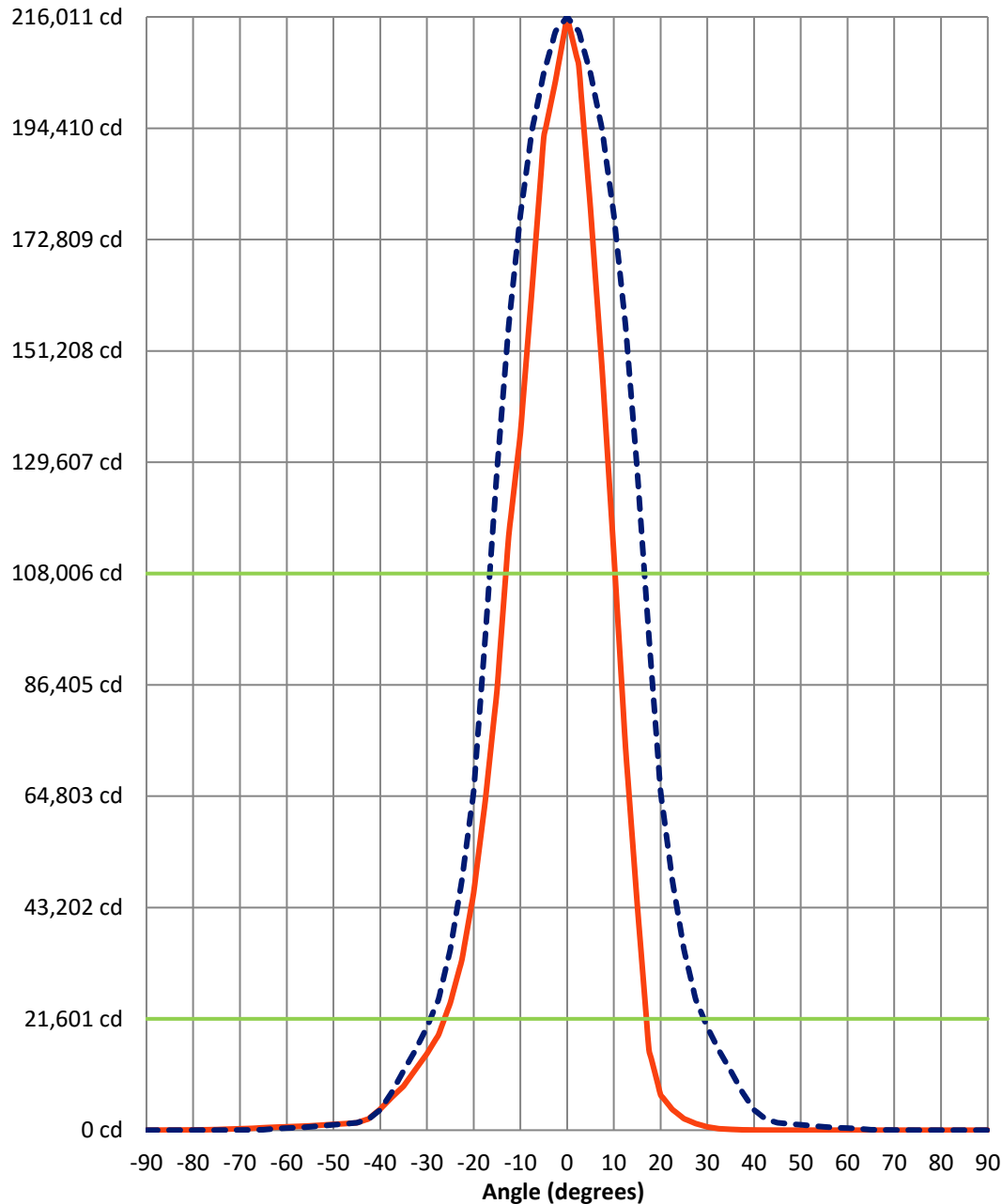
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.1°
 V Angle: 23.4°
 Lumens: 28851.9
 Efficiency: 50.6%

Field:
 H Angle: 58.5°
 V Angle: 43.2°
 Lumens: 49177.6
 Efficiency: 86.2%

Spill:
 Lumens: 7845.7
 Efficiency: 13.8%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.9	8.9	9.9	9.4	8.9	8.4	7.9	8.4	8.9	9.4	9.9
87.5°	7.9	8.0	8.1	8.2	8.2	8.3	8.4	8.4	8.2	8.1	7.9
85°	7.9	8.1	8.2	8.4	8.6	8.8	8.9	8.8	8.6	8.3	7.9
82.5°	7.9	8.2	8.4	8.7	8.9	9.2	9.4	9.3	9.0	8.6	8.5
80°	7.9	8.2	8.6	8.9	9.3	9.6	9.9	9.5	9.3	9.2	9.3
77.5°	7.9	8.3	8.8	9.2	9.6	9.9	9.9	9.7	9.6	9.8	9.9
75°	7.9	8.4	8.9	9.4	9.9	9.9	9.9	9.8	9.9	9.9	9.9
72.5°	7.9	8.5	9.1	9.7	9.9	9.9	9.9	9.9	9.9	9.9	9.9
70°	7.9	8.6	9.3	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
67.5°	7.9	8.7	9.4	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
65°	7.9	8.7	9.6	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
62.5°	7.9	8.8	9.7	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
60°	7.9	8.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
57.5°	7.9	9.0	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
55°	7.9	9.0	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
52.5°	7.9	9.1	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
50°	7.9	9.2	9.9	9.9	9.9	9.9	9.9	10.0	9.9	9.9	10.8
47.5°	7.9	9.3	9.9	9.9	9.9	9.9	9.9	10.2	9.9	9.9	11.6
45°	7.9	9.3	9.9	9.9	9.9	9.9	10.1	10.3	10.0	10.5	12.3
42.5°	7.9	9.4	9.9	9.9	9.9	9.9	10.3	10.5	10.1	11.0	12.8
40°	7.9	9.4	9.9	9.9	9.9	9.9	10.5	10.6	10.4	11.5	13.2
37.5°	7.9	9.5	9.9	9.9	9.9	9.9	10.7	10.7	10.9	12.1	13.6
35°	7.9	9.5	9.9	9.9	9.9	10.0	11.0	10.8	11.5	13.0	14.0
32.5°	7.9	9.6	9.9	9.9	9.9	10.2	11.2	10.9	12.0	14.1	15.4
30°	7.9	9.6	9.9	9.9	9.9	10.4	11.3	11.1	12.5	15.4	17.1
27.5°	7.9	9.7	9.9	9.9	9.9	10.6	11.4	11.5	13.2	16.8	19.0
25°	7.9	9.7	9.9	9.9	9.9	10.9	11.5	12.0	14.3	18.4	21.2
22.5°	7.9	9.7	9.9	9.9	9.9	11.1	11.6	12.3	15.5	20.1	25.4
20°	7.9	9.8	9.9	9.9	9.9	11.2	11.8	12.7	16.7	21.9	29.8
17.5°	7.9	9.8	9.9	9.9	9.9	11.4	11.9	13.1	18.0	23.8	34.4
15°	7.9	9.8	9.9	9.9	9.9	11.5	12.1	13.6	19.2	25.7	39.1
12.5°	7.9	9.9	9.9	9.9	9.9	11.6	12.4	14.6	21.0	27.7	43.9
10°	7.9	9.9	9.9	9.9	9.9	11.7	12.6	15.6	23.3	31.7	50.1
7.5°	7.9	9.9	9.9	9.9	9.9	11.7	12.9	16.7	25.5	36.2	59.6
5°	7.9	9.9	9.9	9.9	9.9	11.8	13.2	17.7	27.6	40.7	69.0
2.5°	7.9	9.9	9.9	9.9	9.9	11.8	13.5	18.7	29.6	45.1	78.1
0°	7.9	9.9	9.9	9.9	9.9	11.8	13.8	19.7	31.5	49.3	86.7
-2.5°	7.9	9.9	9.9	9.9	9.9	12.0	15.1	22.4	37.1	59.7	102.4
-5°	7.9	9.9	9.9	9.9	9.9	12.2	16.4	25.0	42.4	69.5	117.0
-7.5°	7.9	9.9	9.9	9.9	9.9	12.4	17.5	27.5	47.3	78.6	130.2
-10°	7.9	9.9	9.9	9.9	9.9	12.5	18.5	29.6	51.6	86.5	141.9
-12.5°	7.9	9.9	9.9	9.9	9.9	12.5	19.3	31.5	55.2	93.4	152.2
-15°	7.9	9.8	9.9	9.9	9.9	12.6	19.9	33.0	58.5	100.0	160.7
-17.5°	7.9	9.8	9.9	9.9	9.9	12.5	20.3	34.6	61.7	105.1	167.1
-20°	7.9	9.8	9.9	9.9	9.9	12.4	20.6	36.1	63.6	108.4	171.1



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.9	9.8	9.9	9.9	9.9	12.3	21.1	37.2	64.3	109.8	172.6
-25°	7.9	9.8	9.9	9.9	9.9	12.3	21.1	37.7	63.7	109.3	171.4
-27.5°	7.9	9.7	9.9	9.9	9.9	12.3	20.8	37.6	61.5	107.4	170.4
-30°	7.9	9.7	9.9	9.9	9.9	12.1	20.1	36.9	60.2	104.8	166.7
-32.5°	7.9	9.7	9.9	9.9	10.1	11.8	18.9	36.0	59.3	100.2	160.2
-35°	7.9	9.6	9.9	9.9	10.2	11.3	18.2	34.6	57.5	93.5	150.9
-37.5°	7.9	9.6	9.9	9.9	10.3	10.9	17.6	32.5	54.9	84.7	136.0
-40°	7.9	9.6	9.9	9.9	10.5	11.1	16.7	29.7	51.4	79.0	121.0
-42.5°	7.9	9.6	9.9	9.9	10.6	11.3	15.6	26.3	47.4	72.5	104.9
-45°	7.9	9.5	9.9	10.0	10.6	11.4	14.2	23.2	42.7	64.9	89.1
-47.5°	7.9	9.5	9.9	10.0	10.7	11.6	12.6	21.3	37.1	56.6	79.6
-50°	7.9	9.5	9.9	10.0	10.7	11.7	12.5	18.9	30.0	48.4	69.3
-52.5°	7.9	9.4	9.9	10.1	10.7	11.8	12.6	16.2	25.2	39.7	58.3
-55°	7.9	9.4	9.9	10.1	10.7	11.8	12.8	13.6	21.5	30.5	47.8
-57.5°	7.9	9.4	9.9	10.1	10.7	11.7	12.9	13.8	17.8	25.2	36.7
-60°	7.9	9.3	9.9	10.0	10.6	11.6	13.0	13.8	14.7	21.0	27.5
-62.5°	7.9	9.3	9.9	10.0	10.5	11.4	12.7	13.8	14.5	16.7	22.9
-65°	7.9	9.3	9.9	10.0	10.4	11.2	12.4	13.6	14.2	15.4	18.3
-67.5°	7.9	9.2	9.9	10.0	10.3	11.0	12.1	13.1	13.8	14.7	16.1
-70°	7.9	9.2	9.9	9.9	10.2	10.8	11.7	12.5	13.2	13.8	14.9
-72.5°	7.9	9.2	9.9	9.9	10.1	10.5	11.3	12.0	12.5	13.1	13.6
-75°	7.9	9.1	9.9	9.8	9.9	10.3	10.9	11.4	11.9	12.3	12.8
-77.5°	7.9	9.1	9.9	9.7	9.8	10.0	10.4	10.8	11.2	11.6	12.0
-80°	7.9	9.1	9.9	9.7	9.6	9.7	10.0	10.3	10.6	10.9	11.2
-82.5°	7.9	9.0	9.9	9.6	9.4	9.4	9.5	9.7	9.9	10.2	10.4
-85°	7.9	9.0	9.9	9.5	9.3	9.1	8.9	9.3	9.6	9.8	9.9
-87.5°	7.9	8.9	9.9	9.5	9.1	8.7	8.4	8.8	9.2	9.6	9.9
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	9.4	8.9	8.4	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
87.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.4	6.9	6.4
85°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.6	7.4	7.3
82.5°	8.5	8.4	8.2	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
80°	9.2	9.0	8.5	8.0	7.9	7.9	7.9	7.9	7.9	7.9	7.9
77.5°	9.5	9.0	8.5	8.0	7.9	7.9	7.9	7.9	7.9	7.9	7.9
75°	9.6	9.1	8.6	8.1	7.9	7.9	8.0	8.3	8.6	8.6	8.4
72.5°	9.6	9.1	8.6	8.2	8.3	8.8	9.3	9.7	10.2	10.4	10.7
70°	9.7	9.2	9.0	9.1	9.5	10.1	10.9	12.0	13.0	13.7	15.0
67.5°	9.8	9.5	9.6	10.0	10.7	11.6	12.8	15.4	18.1	19.7	21.3
65°	9.9	9.8	10.1	10.8	11.7	14.2	17.1	20.2	25.1	28.0	29.2
62.5°	9.9	10.0	10.5	12.0	14.7	17.8	21.8	27.3	33.9	38.4	38.6
60°	9.9	10.1	11.7	14.5	17.6	21.5	26.9	34.3	43.9	51.1	46.6
57.5°	9.9	11.0	13.8	16.7	20.2	24.5	31.5	40.9	50.1	59.8	51.4
55°	10.4	12.6	15.3	18.4	22.3	27.0	34.3	42.2	52.3	55.2	45.5
52.5°	11.7	13.9	16.2	19.6	23.9	28.1	32.7	39.6	42.8	43.4	36.1
50°	12.8	14.6	16.8	20.4	24.6	27.6	28.6	32.6	32.9	29.8	25.9
47.5°	13.5	15.2	16.9	20.8	24.6	26.4	25.9	25.0	22.9	21.1	16.5
45°	14.1	15.8	17.4	21.3	24.4	25.0	22.8	18.0	18.8	16.7	15.6
42.5°	14.6	16.3	18.9	22.0	24.0	23.8	20.5	19.0	17.7	17.3	16.9
40°	15.1	16.9	20.8	23.5	24.0	23.2	23.3	22.3	19.2	20.5	20.6
37.5°	15.5	18.8	23.5	27.5	24.7	26.1	27.9	28.3	26.7	26.1	28.8
35°	15.9	20.9	28.7	33.1	30.6	31.6	35.3	36.9	37.2	37.1	39.1
32.5°	17.2	23.1	35.7	40.0	41.2	41.8	44.4	48.2	52.5	54.3	52.0
30°	20.0	29.5	43.7	48.3	53.4	60.8	59.1	61.9	71.7	75.6	79.3
27.5°	24.5	38.0	51.7	59.5	68.7	85.4	91.4	85.3	93.6	101.4	113.3
25°	29.6	59.2	60.7	72.3	92.9	118.1	134.2	141.1	122.7	136.4	168.2
22.5°	41.1	87.0	92.6	86.0	120.8	158.1	189.8	206.9	204.6	191.4	234.1
20°	61.4	115.2	130.0	132.9	159.5	203.9	253.5	282.4	309.7	357.3	482.5
17.5°	85.2	146.3	169.8	193.7	241.9	281.5	323.8	366.7	431.6	573.4	998.1
15°	111.6	179.9	211.3	259.7	331.5	397.8	449.4	487.8	602.4	899.6	1650.6
12.5°	139.7	215.3	254.2	329.6	426.0	520.0	593.2	670.8	863.6	1447.8	2688.2
10°	168.6	251.7	297.8	401.9	523.6	646.2	741.1	857.9	1159.2	2068.5	3820.6
7.5°	200.8	290.6	342.3	474.9	622.4	774.0	890.9	1046.4	1460.9	2695.7	4960.1
5°	231.9	331.3	389.7	538.0	705.5	886.3	1030.8	1232.8	1759.3	3303.6	6067.5
2.5°	260.6	370.8	436.0	595.6	775.4	971.7	1126.3	1344.3	1966.0	3703.1	6882.6
0°	285.8	408.0	480.9	648.5	839.7	1050.6	1216.1	1446.8	2132.7	3944.1	7369.8
-2.5°	295.4	422.4	499.3	661.9	848.7	1064.0	1232.6	1455.7	2183.8	4041.8	7441.5
-5°	300.9	433.4	515.5	670.6	851.7	1069.2	1242.4	1455.5	2171.0	3957.2	7091.7
-7.5°	302.6	440.8	529.2	671.7	835.7	1034.9	1193.8	1379.1	1999.9	3607.3	6337.6
-10°	300.8	439.7	525.1	646.9	793.9	974.5	1128.7	1295.7	1802.6	3168.5	5498.9
-12.5°	295.3	431.6	517.2	620.8	750.7	909.8	1060.4	1206.7	1583.6	2646.1	4635.2
-15°	287.9	422.1	509.0	594.2	707.2	841.7	989.8	1113.3	1355.6	2088.7	3777.8
-17.5°	279.1	411.6	500.8	568.1	664.6	771.3	920.9	1035.5	1187.4	1733.4	3087.9
-20°	269.4	400.4	493.0	543.2	624.9	717.8	854.5	970.9	1099.4	1453.3	2348.1



REPORT NUMBER: P701593 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	259.3	388.9	481.8	529.4	598.8	681.0	787.7	902.6	1010.0	1144.1	1720.1
-25°	254.2	372.2	465.1	520.0	574.5	645.3	723.2	831.0	926.9	1055.7	1388.1
-27.5°	251.8	356.4	445.3	509.4	550.8	612.7	677.2	760.4	870.2	984.1	1104.6
-30°	245.9	333.0	425.0	494.7	535.7	586.0	640.1	710.8	815.7	920.8	1027.3
-32.5°	231.5	308.1	398.8	471.2	521.9	561.0	613.5	678.3	762.6	859.1	954.7
-35°	212.8	286.4	369.2	447.8	506.1	544.1	591.8	647.5	713.4	799.9	902.1
-37.5°	194.2	262.2	338.3	419.6	480.6	530.7	568.8	619.4	676.6	745.2	845.7
-40°	173.4	235.7	308.4	384.8	456.2	511.2	553.6	591.8	641.3	708.7	780.6
-42.5°	151.0	210.4	277.0	348.4	419.6	482.5	536.3	572.4	614.4	672.7	738.3
-45°	132.1	182.7	243.6	309.4	376.4	445.7	502.9	555.5	593.8	638.1	696.5
-47.5°	112.1	155.0	210.4	268.0	331.0	396.0	462.8	518.5	572.6	613.0	654.3
-50°	93.3	131.7	174.3	227.7	283.4	343.9	406.2	472.1	528.9	581.2	626.2
-52.5°	80.6	107.4	145.0	187.2	237.2	289.7	348.1	408.6	471.0	530.5	577.3
-55°	67.0	89.6	116.2	152.0	192.2	238.5	288.6	344.3	399.4	457.5	511.0
-57.5°	53.8	73.2	93.9	119.0	152.9	189.0	233.3	279.6	330.1	379.9	422.4
-60°	40.7	57.5	75.9	94.7	115.5	147.1	179.2	218.2	261.1	302.5	339.8
-62.5°	28.7	42.5	58.5	75.3	92.1	108.5	134.3	163.4	192.7	227.7	260.3
-65°	23.8	29.7	41.4	56.2	71.4	86.6	101.4	115.8	140.0	164.6	187.6
-67.5°	18.8	24.1	29.5	36.9	50.2	63.8	77.8	91.0	103.8	116.2	130.6
-70°	16.7	18.9	23.1	28.1	33.1	39.9	51.8	64.0	76.7	89.4	100.4
-72.5°	15.1	17.1	19.1	21.1	25.2	29.5	33.6	37.6	45.5	56.5	67.5
-75°	13.8	15.3	17.2	19.0	20.7	22.5	24.6	28.2	31.8	35.6	39.3
-77.5°	12.6	13.6	14.9	16.6	18.2	19.5	21.0	22.6	24.3	26.1	28.0
-80°	11.5	11.8	12.5	13.4	14.7	16.0	17.3	18.6	19.7	21.0	22.3
-82.5°	10.6	10.8	11.1	11.3	11.8	12.5	13.4	14.4	15.1	15.8	16.6
-85°	9.9	9.9	10.0	10.2	10.4	10.7	11.1	11.5	11.7	12.0	12.2
-87.5°	9.6	9.4	9.2	9.0	9.1	9.2	9.3	9.3	9.4	9.4	9.5
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.4	6.9	6.4



REPORT NUMBER: P701593 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	7.9	8.9	9.8	10.8	11.8	12.8	13.8	14.8	15.8	16.8	17.7
87.5°	5.9	5.9	5.9	5.9	5.9	5.4	4.9	4.4	3.9	3.4	3.0
85°	7.2	6.9	6.6	6.3	5.9	5.4	4.9	4.4	3.9	3.4	3.0
82.5°	7.9	7.4	6.9	6.4	5.9	5.4	4.9	4.4	3.9	3.4	3.0
80°	7.9	7.5	7.0	6.5	6.0	5.5	5.0	4.5	3.9	3.5	3.0
77.5°	7.9	7.5	7.0	6.5	6.0	5.5	5.0	4.5	4.0	3.8	3.8
75°	8.1	7.7	7.6	7.4	7.0	6.6	6.3	5.9	5.6	5.3	4.9
72.5°	10.9	10.9	10.6	10.3	9.7	9.2	8.8	8.3	7.6	7.2	6.8
70°	16.2	16.8	16.3	15.2	13.5	12.1	11.3	10.5	9.7	8.9	8.0
67.5°	22.5	22.4	20.8	18.8	16.0	13.5	12.4	11.4	10.4	9.8	9.7
65°	29.0	27.2	24.4	21.1	17.3	13.6	12.6	11.5	10.5	9.9	9.9
62.5°	36.4	30.4	24.5	20.2	16.7	13.6	12.2	10.8	9.4	8.5	8.3
60°	39.2	29.1	21.0	17.4	14.5	12.1	10.6	9.5	8.5	7.9	7.9
57.5°	37.9	25.9	16.8	14.0	11.8	10.3	9.3	8.3	7.4	6.6	6.3
55°	32.3	21.1	12.6	10.9	9.8	8.7	7.7	7.1	6.5	5.9	5.9
52.5°	23.8	16.2	11.4	9.6	9.0	8.4	7.8	7.6	7.4	7.2	7.0
50°	17.4	12.6	10.9	9.7	9.4	9.3	9.6	9.6	9.4	9.2	8.9
47.5°	14.2	12.3	11.1	10.0	10.2	11.1	11.5	11.5	11.4	11.2	10.9
45°	13.7	12.6	12.0	12.7	13.3	13.8	13.8	13.5	14.1	14.3	14.1
42.5°	15.1	15.3	16.4	17.4	16.7	17.8	19.0	19.0	19.9	20.6	20.6
40°	21.2	20.7	23.7	24.6	25.1	26.2	29.6	29.3	30.8	35.0	35.7
37.5°	30.4	32.1	34.2	36.1	41.3	44.8	51.3	56.6	59.4	67.3	73.5
35°	43.0	47.2	48.4	58.9	69.7	79.8	88.9	100.0	104.8	122.4	134.6
32.5°	60.9	69.7	81.6	99.0	119.4	143.6	142.5	179.5	192.9	228.9	270.3
30°	85.1	109.9	149.2	176.5	226.7	266.1	286.0	343.7	421.2	495.3	596.1
27.5°	138.4	190.5	261.7	355.7	404.6	464.1	553.9	622.9	799.8	968.8	1092.9
25°	238.0	347.3	481.8	620.5	707.4	785.3	949.6	1070.0	1320.9	1509.2	1777.9
22.5°	455.0	688.8	858.9	961.9	1148.4	1392.1	1510.5	1841.8	2213.9	2688.7	3081.2
20°	766.8	1134.6	1513.7	1745.3	1958.2	2496.3	2732.1	3352.8	4143.6	5037.3	5782.3
17.5°	1500.5	1836.5	2608.3	3360.4	3926.2	4457.5	5948.7	7014.0	9081.5	11611.9	12779.0
15°	2692.4	3631.6	4532.4	5896.5	7340.2	8946.4	11286.5	15326.6	20401.0	25934.3	31919.3
12.5°	4364.9	6079.4	7690.5	9407.7	11474.5	15421.2	20756.7	27812.9	36930.6	46713.1	58008.4
10°	6243.8	8853.0	11206.3	13798.9	17468.7	23332.0	31240.3	42125.6	58362.8	74960.3	89357.0
7.5°	7926.4	11086.5	14278.6	18031.1	23848.2	32222.3	43599.9	60595.8	81800.1	102339.7	119852.9
5°	9538.8	13230.4	16868.8	21341.4	28672.8	39601.8	54326.5	77643.1	104449.0	127239.2	146432.9
2.5°	10795.2	14908.0	19071.6	24331.9	32696.2	45131.0	61855.4	90077.0	122430.6	147705.9	169652.8
0°	11514.9	15458.9	19978.6	25428.5	35053.2	48598.2	65750.3	95800.9	128021.7	156110.1	177558.1
-2.5°	11374.0	15506.8	20127.4	25640.7	34763.4	47767.8	64676.0	93342.1	125411.7	150733.1	171515.8
-5°	10655.9	14437.1	18510.8	23347.9	31397.5	43247.1	59848.6	86787.0	116549.3	141876.8	162999.3
-7.5°	9536.2	12879.9	16426.2	20636.4	27444.1	37754.9	52025.1	72999.9	99369.5	122308.3	138139.9
-10°	8314.2	11256.3	14456.5	18266.6	23636.0	31719.1	42531.4	57683.1	79250.1	98364.4	113049.5
-12.5°	7155.5	9830.2	12614.0	15795.5	19859.6	26226.2	34443.8	45755.8	59658.3	75370.5	90370.4
-15°	6044.2	8393.1	10822.4	13767.3	17301.7	21621.2	27145.6	34756.4	43890.3	54188.4	65297.4
-17.5°	4986.4	7048.8	9334.4	11905.9	14826.5	18126.7	22759.7	27978.7	33777.3	40487.3	46848.9
-20°	3912.0	5817.6	7891.6	10180.8	12801.3	15809.7	19106.4	23026.7	27221.8	31806.3	36565.3



REPORT NUMBER: P701593 (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°	2985.7	4609.5	6424.1	8508.3	10968.5	13620.4	16177.5	18750.7	21854.3	24877.9	27914.5
-25°	2090.7	3378.4	5072.8	7065.0	9154.0	11370.4	13268.3	15082.1	17237.4	19175.8	21194.4
-27.5°	1537.7	2422.4	3823.5	5590.5	7464.0	8984.3	10582.1	12069.8	13630.5	14860.7	16282.6
-30°	1172.6	1682.0	2723.1	4101.5	5604.5	6929.2	8162.4	9509.6	10792.9	11860.9	12754.8
-32.5°	1069.5	1263.6	1790.6	2750.7	3837.2	5012.7	6079.6	7252.3	8328.7	9217.0	9928.6
-35°	1005.1	1110.3	1264.0	1748.6	2385.7	3313.7	4204.0	5164.4	6056.6	6789.5	7378.7
-37.5°	950.1	1042.5	1133.1	1224.2	1575.2	1966.6	2609.1	3304.2	3907.0	4577.1	5100.3
-40°	881.9	985.6	1058.9	1133.7	1218.1	1315.9	1654.9	1959.4	2300.2	2773.4	3165.1
-42.5°	807.0	894.6	985.9	1059.2	1124.1	1193.2	1270.0	1346.1	1502.9	1701.7	1863.7
-45°	757.9	815.6	881.9	965.1	1041.1	1098.6	1155.7	1211.0	1263.3	1310.4	1349.8
-47.5°	705.0	754.0	807.7	864.9	921.2	985.1	1045.1	1095.2	1135.0	1172.9	1206.8
-50°	657.8	694.0	739.4	783.9	828.2	873.6	918.4	957.1	995.5	1030.1	1063.8
-52.5°	619.8	650.2	680.1	709.8	745.8	780.9	814.1	843.9	871.1	894.7	919.6
-55°	555.6	594.0	632.1	658.6	681.4	703.3	725.1	749.8	771.5	790.0	807.4
-57.5°	468.4	514.9	557.4	588.5	617.9	645.6	664.8	679.0	692.7	705.7	717.6
-60°	375.9	410.8	451.4	491.4	528.1	561.4	582.9	601.2	616.7	629.7	641.2
-62.5°	290.5	320.4	353.6	385.7	415.4	444.7	473.3	498.2	519.5	537.5	552.4
-65°	211.6	237.7	266.0	293.3	319.4	345.1	368.8	390.4	409.8	427.2	443.3
-67.5°	150.6	169.8	190.3	208.7	229.6	252.1	274.4	294.4	312.1	326.1	336.7
-70°	110.8	121.7	135.1	151.0	168.2	184.4	200.5	215.9	230.5	243.2	254.5
-72.5°	78.7	89.9	100.7	110.7	121.3	132.0	142.9	154.2	165.8	175.5	183.9
-75°	43.1	48.7	57.8	66.6	75.2	83.3	90.6	96.9	102.5	107.1	111.0
-77.5°	30.7	34.3	38.1	41.7	45.3	49.6	54.1	58.6	63.1	66.7	70.0
-80°	23.7	25.7	28.0	30.3	32.7	35.7	38.7	41.8	44.9	47.1	49.1
-82.5°	17.4	18.9	20.4	21.9	23.3	25.2	27.0	28.8	30.6	31.9	33.1
-85°	12.4	13.4	14.4	15.5	16.6	18.2	19.9	21.6	23.3	24.3	25.4
-87.5°	9.5	10.1	10.7	11.3	11.8	13.2	14.7	16.1	17.6	18.2	18.7
-90°	5.9	5.9	5.9	5.9	5.9	5.4	4.9	4.4	3.9	3.4	3.0



REPORT NUMBER: P701593 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	18.7	19.7	19.7	19.7	19.7	19.7	18.7	17.7	16.8	15.8	14.8
87.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.4	3.9	4.4
85°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.4	3.9	4.4
82.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.4	3.9	4.4
80°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.5	3.9	4.5
77.5°	3.8	3.9	3.0	2.0	3.0	3.9	3.8	3.8	3.8	4.0	4.5
75°	4.4	3.9	3.0	2.0	3.0	3.9	4.4	4.9	5.3	5.6	5.9
72.5°	6.3	5.9	5.9	5.9	5.9	5.9	6.3	6.8	7.2	7.6	8.3
70°	7.0	6.0	5.9	5.9	5.9	6.0	7.0	8.0	8.9	9.7	10.5
67.5°	9.7	9.8	9.9	9.9	9.9	9.8	9.7	9.7	9.8	10.4	11.4
65°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	10.5	11.5
62.5°	8.1	8.0	7.9	7.9	7.9	8.0	8.1	8.3	8.5	9.4	10.8
60°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.5	9.5
57.5°	6.1	6.0	5.9	5.9	5.9	6.0	6.1	6.3	6.6	7.4	8.3
55°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.5	7.1
52.5°	6.7	6.1	5.9	5.9	5.9	6.1	6.7	7.0	7.2	7.4	7.6
50°	8.5	8.1	7.9	7.9	7.9	8.1	8.5	8.9	9.2	9.4	9.6
47.5°	10.5	10.1	9.9	9.9	9.9	10.1	10.5	10.9	11.2	11.4	11.5
45°	13.4	12.4	11.8	11.8	11.8	12.4	13.4	14.1	14.3	14.1	13.5
42.5°	20.4	19.9	19.5	19.7	19.5	19.9	20.4	20.6	20.6	19.9	19.0
40°	37.5	38.5	38.9	39.4	38.9	38.5	37.5	35.7	35.0	30.8	29.3
37.5°	76.8	75.4	71.9	72.9	71.9	75.4	76.8	73.5	67.3	59.4	56.6
35°	142.6	151.2	157.2	161.6	157.2	151.2	142.6	134.6	122.4	104.8	100.0
32.5°	285.6	297.4	294.0	287.8	294.0	297.4	285.6	270.3	228.9	192.9	179.5
30°	655.6	689.9	680.8	640.6	680.8	689.9	655.6	596.1	495.3	421.2	343.7
27.5°	1182.0	1264.8	1318.7	1291.0	1318.7	1264.8	1182.0	1092.9	968.8	799.8	622.9
25°	2009.7	2170.3	2285.3	2237.1	2285.3	2170.3	2009.7	1777.9	1509.2	1320.9	1070.0
22.5°	3573.4	3837.1	3993.8	4034.7	3993.8	3837.1	3573.4	3081.2	2688.7	2213.9	1841.8
20°	6719.3	6929.6	6971.3	6867.1	6971.3	6929.6	6719.3	5782.3	5037.3	4143.6	3352.8
17.5°	16167.5	17138.5	16426.7	15679.7	16426.7	17138.5	16167.5	12779.0	11611.9	9081.5	7014.0
15°	36983.8	41084.6	43420.6	43897.3	43420.6	41084.6	36983.8	31919.3	25934.3	20401.0	15326.6
12.5°	65167.6	71776.1	74503.3	74248.5	74503.3	71776.1	65167.6	58008.4	46713.1	36930.6	27812.9
10°	98592.0	105657.3	111736.4	111798.0	111736.4	105657.3	98592.0	89357.0	74960.3	58362.8	42125.6
7.5°	132008.7	140156.9	145876.0	147507.5	145876.0	140156.9	132008.7	119852.9	102339.7	81800.1	60595.8
5°	161262.9	171350.8	177028.6	178762.4	177028.6	171350.8	161262.9	146432.9	127239.2	104449.0	77643.1
2.5°	186983.3	199341.3	205568.4	206536.5	205568.4	199341.3	186983.3	169652.8	147705.9	122430.6	90077.0
0°	194059.8	205076.0	213140.5	216011.3	213140.5	205076.0	194059.8	177558.1	156110.1	128021.7	95800.9
-2.5°	187083.3	196721.2	201527.8	203532.6	201527.8	196721.2	187083.3	171515.8	150733.1	125411.7	93342.1
-5°	176055.8	185050.2	191171.7	192589.3	191171.7	185050.2	176055.8	162999.3	141876.8	116549.3	86787.0
-7.5°	148581.6	157434.7	160185.2	163303.5	160185.2	157434.7	148581.6	138139.9	122308.3	99369.5	72999.9
-10°	124142.8	131029.8	132924.0	135133.2	132924.0	131029.8	124142.8	113049.5	98364.4	79250.1	57683.1
-12.5°	102717.6	109539.4	112627.7	115270.9	112627.7	109539.4	102717.6	90370.4	75370.5	59658.3	45755.8
-15°	75254.5	81666.3	83881.0	85311.0	83881.0	81666.3	75254.5	65297.4	54188.4	43890.3	34756.4
-17.5°	54513.1	59396.2	62298.0	63980.3	62298.0	59396.2	54513.1	46848.9	40487.3	33777.3	27978.7
-20°	40748.4	43546.7	45794.6	46041.8	45794.6	43546.7	40748.4	36565.3	31806.3	27221.8	23026.7



REPORT NUMBER: P701593 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	30458.7	32125.5	33160.3	33097.9	33160.3	32125.5	30458.7	27914.5	24877.9	21854.3	18750.7
-25°	22733.8	23854.4	24567.2	24695.3	24567.2	23854.4	22733.8	21194.4	19175.8	17237.4	15082.1
-27.5°	17300.4	18089.4	18498.3	18520.0	18498.3	18089.4	17300.4	16282.6	14860.7	13630.5	12069.8
-30°	13403.6	14060.7	14496.5	14830.2	14496.5	14060.7	13403.6	12754.8	11860.9	10792.9	9509.6
-32.5°	10526.6	11087.6	11467.9	11694.2	11467.9	11087.6	10526.6	9928.6	9217.0	8328.7	7252.3
-35°	7891.8	8341.0	8609.8	8542.5	8609.8	8341.0	7891.8	7378.7	6789.5	6056.6	5164.4
-37.5°	5561.0	5941.8	6212.7	6384.2	6212.7	5941.8	5561.0	5100.3	4577.1	3907.0	3304.2
-40°	3504.0	3767.4	3954.8	4074.2	3954.8	3767.4	3504.0	3165.1	2773.4	2300.2	1959.4
-42.5°	1995.6	2094.1	2160.3	2195.7	2160.3	2094.1	1995.6	1863.7	1701.7	1502.9	1346.1
-45°	1380.2	1404.8	1422.6	1433.0	1422.6	1404.8	1380.2	1349.8	1310.4	1263.3	1211.0
-47.5°	1233.4	1253.5	1266.6	1273.3	1266.6	1253.5	1233.4	1206.8	1172.9	1135.0	1095.2
-50°	1094.1	1118.9	1133.8	1139.3	1133.8	1118.9	1094.1	1063.8	1030.1	995.5	957.1
-52.5°	942.8	962.9	976.4	983.6	976.4	962.9	942.8	919.6	894.7	871.1	843.9
-55°	822.7	835.5	842.1	843.6	842.1	835.5	822.7	807.4	790.0	771.5	749.8
-57.5°	727.7	735.8	742.4	747.0	742.4	735.8	727.7	717.6	705.7	692.7	679.0
-60°	650.5	657.6	661.3	662.3	661.3	657.6	650.5	641.2	629.7	616.7	601.2
-62.5°	563.9	572.4	578.9	583.4	578.9	572.4	563.9	552.4	537.5	519.5	498.2
-65°	457.9	470.7	477.5	480.9	477.5	470.7	457.9	443.3	427.2	409.8	390.4
-67.5°	345.1	351.6	353.2	352.8	353.2	351.6	345.1	336.7	326.1	312.1	294.4
-70°	265.0	274.7	278.2	279.9	278.2	274.7	265.0	254.5	243.2	230.5	215.9
-72.5°	191.6	198.4	202.3	205.0	202.3	198.4	191.6	183.9	175.5	165.8	154.2
-75°	114.4	117.2	119.0	120.2	119.0	117.2	114.4	111.0	107.1	102.5	96.9
-77.5°	73.3	76.3	77.7	78.8	77.7	76.3	73.3	70.0	66.7	63.1	58.6
-80°	51.1	52.9	53.1	53.2	53.1	52.9	51.1	49.1	47.1	44.9	41.8
-82.5°	34.3	35.4	35.5	35.5	35.5	35.4	34.3	33.1	31.9	30.6	28.8
-85°	26.5	27.5	27.6	27.6	27.6	27.5	26.5	25.4	24.3	23.3	21.6
-87.5°	19.2	19.7	20.7	21.7	20.7	19.7	19.2	18.7	18.2	17.6	16.1
-90°	2.5	2.0	1.0	0.0	1.0	2.0	2.5	3.0	3.4	3.9	4.4



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	13.8	12.8	11.8	10.8	9.8	8.9	7.9	7.9	7.9	7.9	7.9
87.5°	4.9	5.4	5.9	5.9	5.9	5.9	5.9	6.4	6.9	7.4	7.9
85°	4.9	5.4	5.9	6.3	6.6	6.9	7.2	7.3	7.4	7.6	7.9
82.5°	4.9	5.4	5.9	6.4	6.9	7.4	7.9	7.9	7.9	7.9	7.9
80°	5.0	5.5	6.0	6.5	7.0	7.5	7.9	7.9	7.9	7.9	7.9
77.5°	5.0	5.5	6.0	6.5	7.0	7.5	7.9	7.9	7.9	7.9	7.9
75°	6.3	6.6	7.0	7.4	7.6	7.7	8.1	8.4	8.6	8.6	8.3
72.5°	8.8	9.2	9.7	10.3	10.6	10.9	10.9	10.7	10.4	10.2	9.7
70°	11.3	12.1	13.5	15.2	16.3	16.8	16.2	15.0	13.7	13.0	12.0
67.5°	12.4	13.5	16.0	18.8	20.8	22.4	22.5	21.3	19.7	18.1	15.4
65°	12.6	13.6	17.3	21.1	24.4	27.2	29.0	29.2	28.0	25.1	20.2
62.5°	12.2	13.6	16.7	20.2	24.5	30.4	36.4	38.6	38.4	33.9	27.3
60°	10.6	12.1	14.5	17.4	21.0	29.1	39.2	46.6	51.1	43.9	34.3
57.5°	9.3	10.3	11.8	14.0	16.8	25.9	37.9	51.4	59.8	50.1	40.9
55°	7.7	8.7	9.8	10.9	12.6	21.1	32.3	45.5	55.2	52.3	42.2
52.5°	7.8	8.4	9.0	9.6	11.4	16.2	23.8	36.1	43.4	42.8	39.6
50°	9.6	9.3	9.4	9.7	10.9	12.6	17.4	25.9	29.8	32.9	32.6
47.5°	11.5	11.1	10.2	10.0	11.1	12.3	14.2	16.5	21.1	22.9	25.0
45°	13.8	13.8	13.3	12.7	12.0	12.6	13.7	15.6	16.7	18.8	18.0
42.5°	19.0	17.8	16.7	17.4	16.4	15.3	15.1	16.9	17.3	17.7	19.0
40°	29.6	26.2	25.1	24.6	23.7	20.7	21.2	20.6	20.5	19.2	22.3
37.5°	51.3	44.8	41.3	36.1	34.2	32.1	30.4	28.8	26.1	26.7	28.3
35°	88.9	79.8	69.7	58.9	48.4	47.2	43.0	39.1	37.1	37.2	36.9
32.5°	142.5	143.6	119.4	99.0	81.6	69.7	60.9	52.0	54.3	52.5	48.2
30°	286.0	266.1	226.7	176.5	149.2	109.9	85.1	79.3	75.6	71.7	61.9
27.5°	553.9	464.1	404.6	355.7	261.7	190.5	138.4	113.3	101.4	93.6	85.3
25°	949.6	785.3	707.4	620.5	481.8	347.3	238.0	168.2	136.4	122.7	141.1
22.5°	1510.5	1392.1	1148.4	961.9	858.9	688.8	455.0	234.1	191.4	204.6	206.9
20°	2732.1	2496.3	1958.2	1745.3	1513.7	1134.6	766.8	482.5	357.3	309.7	282.4
17.5°	5948.7	4457.5	3926.2	3360.4	2608.3	1836.5	1500.5	998.1	573.4	431.6	366.7
15°	11286.5	8946.4	7340.2	5896.5	4532.4	3631.6	2692.4	1650.6	899.6	602.4	487.8
12.5°	20756.7	15421.2	11474.5	9407.7	7690.5	6079.4	4364.9	2688.2	1447.8	863.6	670.8
10°	31240.3	23332.0	17468.7	13798.9	11206.3	8853.0	6243.8	3820.6	2068.5	1159.2	857.9
7.5°	43599.9	32222.3	23848.2	18031.1	14278.6	11086.5	7926.4	4960.1	2695.7	1460.9	1046.4
5°	54326.5	39601.8	28672.8	21341.4	16868.8	13230.4	9538.8	6067.5	3303.6	1759.3	1232.8
2.5°	61855.4	45131.0	32696.2	24331.9	19071.6	14908.0	10795.2	6882.6	3703.1	1966.0	1344.3
0°	65750.3	48598.2	35053.2	25428.5	19978.6	15458.9	11514.9	7369.8	3944.1	2132.7	1446.8
-2.5°	64676.0	47767.8	34763.4	25640.7	20127.4	15506.8	11374.0	7441.5	4041.8	2183.8	1455.7
-5°	59848.6	43247.1	31397.5	23347.9	18510.8	14437.1	10655.9	7091.7	3957.2	2171.0	1455.5
-7.5°	52025.1	37754.9	27444.1	20636.4	16426.2	12879.9	9536.2	6337.6	3607.3	1999.9	1379.1
-10°	42531.4	31719.1	23636.0	18266.6	14456.5	11256.3	8314.2	5498.9	3168.5	1802.6	1295.7
-12.5°	34443.8	26226.2	19859.6	15795.5	12614.0	9830.2	7155.5	4635.2	2646.1	1583.6	1206.7
-15°	27145.6	21621.2	17301.7	13767.3	10822.4	8393.1	6044.2	3777.8	2088.7	1355.6	1113.3
-17.5°	22759.7	18126.7	14826.5	11905.9	9334.4	7048.8	4986.4	3087.9	1733.4	1187.4	1035.5
-20°	19106.4	15809.7	12801.3	10180.8	7891.6	5817.6	3912.0	2348.1	1453.3	1099.4	970.9



REPORT NUMBER: P701593 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16177.5	13620.4	10968.5	8508.3	6424.1	4609.5	2985.7	1720.1	1144.1	1010.0	902.6
-25°	13268.3	11370.4	9154.0	7065.0	5072.8	3378.4	2090.7	1388.1	1055.7	926.9	831.0
-27.5°	10582.1	8984.3	7464.0	5590.5	3823.5	2422.4	1537.7	1104.6	984.1	870.2	760.4
-30°	8162.4	6929.2	5604.5	4101.5	2723.1	1682.0	1172.6	1027.3	920.8	815.7	710.8
-32.5°	6079.6	5012.7	3837.2	2750.7	1790.6	1263.6	1069.5	954.7	859.1	762.6	678.3
-35°	4204.0	3313.7	2385.7	1748.6	1264.0	1110.3	1005.1	902.1	799.9	713.4	647.5
-37.5°	2609.1	1966.6	1575.2	1224.2	1133.1	1042.5	950.1	845.7	745.2	676.6	619.4
-40°	1654.9	1315.9	1218.1	1133.7	1058.9	985.6	881.9	780.6	708.7	641.3	591.8
-42.5°	1270.0	1193.2	1124.1	1059.2	985.9	894.6	807.0	738.3	672.7	614.4	572.4
-45°	1155.7	1098.6	1041.1	965.1	881.9	815.6	757.9	696.5	638.1	593.8	555.5
-47.5°	1045.1	985.1	921.2	864.9	807.7	754.0	705.0	654.3	613.0	572.6	518.5
-50°	918.4	873.6	828.2	783.9	739.4	694.0	657.8	626.2	581.2	528.9	472.1
-52.5°	814.1	780.9	745.8	709.8	680.1	650.2	619.8	577.3	530.5	471.0	408.6
-55°	725.1	703.3	681.4	658.6	632.1	594.0	555.6	511.0	457.5	399.4	344.3
-57.5°	664.8	645.6	617.9	588.5	557.4	514.9	468.4	422.4	379.9	330.1	279.6
-60°	582.9	561.4	528.1	491.4	451.4	410.8	375.9	339.8	302.5	261.1	218.2
-62.5°	473.3	444.7	415.4	385.7	353.6	320.4	290.5	260.3	227.7	192.7	163.4
-65°	368.8	345.1	319.4	293.3	266.0	237.7	211.6	187.6	164.6	140.0	115.8
-67.5°	274.4	252.1	229.6	208.7	190.3	169.8	150.6	130.6	116.2	103.8	91.0
-70°	200.5	184.4	168.2	151.0	135.1	121.7	110.8	100.4	89.4	76.7	64.0
-72.5°	142.9	132.0	121.3	110.7	100.7	89.9	78.7	67.5	56.5	45.5	37.6
-75°	90.6	83.3	75.2	66.6	57.8	48.7	43.1	39.3	35.6	31.8	28.2
-77.5°	54.1	49.6	45.3	41.7	38.1	34.3	30.7	28.0	26.1	24.3	22.6
-80°	38.7	35.7	32.7	30.3	28.0	25.7	23.7	22.3	21.0	19.7	18.6
-82.5°	27.0	25.2	23.3	21.9	20.4	18.9	17.4	16.6	15.8	15.1	14.4
-85°	19.9	18.2	16.6	15.5	14.4	13.4	12.4	12.2	12.0	11.7	11.5
-87.5°	14.7	13.2	11.8	11.3	10.7	10.1	9.5	9.5	9.4	9.4	9.3
-90°	4.9	5.4	5.9	5.9	5.9	5.9	5.9	6.4	6.9	7.4	7.9



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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°	7.9	7.9	7.9	7.9	8.4	8.9	9.4	9.9	9.4	8.9	8.4
87.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.1	8.2	8.4
85°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.3	8.6	8.8
82.5°	7.9	7.9	7.9	7.9	8.2	8.4	8.5	8.5	8.6	9.0	9.3
80°	7.9	7.9	7.9	8.0	8.5	9.0	9.2	9.3	9.2	9.3	9.5
77.5°	7.9	7.9	7.9	8.0	8.5	9.0	9.5	9.9	9.8	9.6	9.7
75°	8.0	7.9	7.9	8.1	8.6	9.1	9.6	9.9	9.9	9.9	9.8
72.5°	9.3	8.8	8.3	8.2	8.6	9.1	9.6	9.9	9.9	9.9	9.9
70°	10.9	10.1	9.5	9.1	9.0	9.2	9.7	9.9	9.9	9.9	9.9
67.5°	12.8	11.6	10.7	10.0	9.6	9.5	9.8	9.9	9.9	9.9	9.9
65°	17.1	14.2	11.7	10.8	10.1	9.8	9.9	9.9	9.9	9.9	9.9
62.5°	21.8	17.8	14.7	12.0	10.5	10.0	9.9	9.9	9.9	9.9	9.9
60°	26.9	21.5	17.6	14.5	11.7	10.1	9.9	9.9	9.9	9.9	9.9
57.5°	31.5	24.5	20.2	16.7	13.8	11.0	9.9	9.9	9.9	9.9	9.9
55°	34.3	27.0	22.3	18.4	15.3	12.6	10.4	9.9	9.9	9.9	9.9
52.5°	32.7	28.1	23.9	19.6	16.2	13.9	11.7	9.9	9.9	9.9	9.9
50°	28.6	27.6	24.6	20.4	16.8	14.6	12.8	10.8	9.9	9.9	10.0
47.5°	25.9	26.4	24.6	20.8	16.9	15.2	13.5	11.6	9.9	9.9	10.2
45°	22.8	25.0	24.4	21.3	17.4	15.8	14.1	12.3	10.5	10.0	10.3
42.5°	20.5	23.8	24.0	22.0	18.9	16.3	14.6	12.8	11.0	10.1	10.5
40°	23.3	23.2	24.0	23.5	20.8	16.9	15.1	13.2	11.5	10.4	10.6
37.5°	27.9	26.1	24.7	27.5	23.5	18.8	15.5	13.6	12.1	10.9	10.7
35°	35.3	31.6	30.6	33.1	28.7	20.9	15.9	14.0	13.0	11.5	10.8
32.5°	44.4	41.8	41.2	40.0	35.7	23.1	17.2	15.4	14.1	12.0	10.9
30°	59.1	60.8	53.4	48.3	43.7	29.5	20.0	17.1	15.4	12.5	11.1
27.5°	91.4	85.4	68.7	59.5	51.7	38.0	24.5	19.0	16.8	13.2	11.5
25°	134.2	118.1	92.9	72.3	60.7	59.2	29.6	21.2	18.4	14.3	12.0
22.5°	189.8	158.1	120.8	86.0	92.6	87.0	41.1	25.4	20.1	15.5	12.3
20°	253.5	203.9	159.5	132.9	130.0	115.2	61.4	29.8	21.9	16.7	12.7
17.5°	323.8	281.5	241.9	193.7	169.8	146.3	85.2	34.4	23.8	18.0	13.1
15°	449.4	397.8	331.5	259.7	211.3	179.9	111.6	39.1	25.7	19.2	13.6
12.5°	593.2	520.0	426.0	329.6	254.2	215.3	139.7	43.9	27.7	21.0	14.6
10°	741.1	646.2	523.6	401.9	297.8	251.7	168.6	50.1	31.7	23.3	15.6
7.5°	890.9	774.0	622.4	474.9	342.3	290.6	200.8	59.6	36.2	25.5	16.7
5°	1030.8	886.3	705.5	538.0	389.7	331.3	231.9	69.0	40.7	27.6	17.7
2.5°	1126.3	971.7	775.4	595.6	436.0	370.8	260.6	78.1	45.1	29.6	18.7
0°	1216.1	1050.6	839.7	648.5	480.9	408.0	285.8	86.7	49.3	31.5	19.7
-2.5°	1232.6	1064.0	848.7	661.9	499.3	422.4	295.4	102.4	59.7	37.1	22.4
-5°	1242.4	1069.2	851.7	670.6	515.5	433.4	300.9	117.0	69.5	42.4	25.0
-7.5°	1193.8	1034.9	835.7	671.7	529.2	440.8	302.6	130.2	78.6	47.3	27.5
-10°	1128.7	974.5	793.9	646.9	525.1	439.7	300.8	141.9	86.5	51.6	29.6
-12.5°	1060.4	909.8	750.7	620.8	517.2	431.6	295.3	152.2	93.4	55.2	31.5
-15°	989.8	841.7	707.2	594.2	509.0	422.1	287.9	160.7	100.0	58.5	33.0
-17.5°	920.9	771.3	664.6	568.1	500.8	411.6	279.1	167.1	105.1	61.7	34.6
-20°	854.5	717.8	624.9	543.2	493.0	400.4	269.4	171.1	108.4	63.6	36.1



REPORT NUMBER: P701593 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	787.7	681.0	598.8	529.4	481.8	388.9	259.3	172.6	109.8	64.3	37.2
-25°	723.2	645.3	574.5	520.0	465.1	372.2	254.2	171.4	109.3	63.7	37.7
-27.5°	677.2	612.7	550.8	509.4	445.3	356.4	251.8	170.4	107.4	61.5	37.6
-30°	640.1	586.0	535.7	494.7	425.0	333.0	245.9	166.7	104.8	60.2	36.9
-32.5°	613.5	561.0	521.9	471.2	398.8	308.1	231.5	160.2	100.2	59.3	36.0
-35°	591.8	544.1	506.1	447.8	369.2	286.4	212.8	150.9	93.5	57.5	34.6
-37.5°	568.8	530.7	480.6	419.6	338.3	262.2	194.2	136.0	84.7	54.9	32.5
-40°	553.6	511.2	456.2	384.8	308.4	235.7	173.4	121.0	79.0	51.4	29.7
-42.5°	536.3	482.5	419.6	348.4	277.0	210.4	151.0	104.9	72.5	47.4	26.3
-45°	502.9	445.7	376.4	309.4	243.6	182.7	132.1	89.1	64.9	42.7	23.2
-47.5°	462.8	396.0	331.0	268.0	210.4	155.0	112.1	79.6	56.6	37.1	21.3
-50°	406.2	343.9	283.4	227.7	174.3	131.7	93.3	69.3	48.4	30.0	18.9
-52.5°	348.1	289.7	237.2	187.2	145.0	107.4	80.6	58.3	39.7	25.2	16.2
-55°	288.6	238.5	192.2	152.0	116.2	89.6	67.0	47.8	30.5	21.5	13.6
-57.5°	233.3	189.0	152.9	119.0	93.9	73.2	53.8	36.7	25.2	17.8	13.8
-60°	179.2	147.1	115.5	94.7	75.9	57.5	40.7	27.5	21.0	14.7	13.8
-62.5°	134.3	108.5	92.1	75.3	58.5	42.5	28.7	22.9	16.7	14.5	13.8
-65°	101.4	86.6	71.4	56.2	41.4	29.7	23.8	18.3	15.4	14.2	13.6
-67.5°	77.8	63.8	50.2	36.9	29.5	24.1	18.8	16.1	14.7	13.8	13.1
-70°	51.8	39.9	33.1	28.1	23.1	18.9	16.7	14.9	13.8	13.2	12.5
-72.5°	33.6	29.5	25.2	21.1	19.1	17.1	15.1	13.6	13.1	12.5	12.0
-75°	24.6	22.5	20.7	19.0	17.2	15.3	13.8	12.8	12.3	11.9	11.4
-77.5°	21.0	19.5	18.2	16.6	14.9	13.6	12.6	12.0	11.6	11.2	10.8
-80°	17.3	16.0	14.7	13.4	12.5	11.8	11.5	11.2	10.9	10.6	10.3
-82.5°	13.4	12.5	11.8	11.3	11.1	10.8	10.6	10.4	10.2	9.9	9.7
-85°	11.1	10.7	10.4	10.2	10.0	9.9	9.9	9.9	9.8	9.6	9.3
-87.5°	9.3	9.2	9.1	9.0	9.2	9.4	9.6	9.9	9.6	9.2	8.8
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9



REPORT NUMBER: P701593 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.9	8.4	8.9	9.4	9.9	8.9	7.9
87.5°	8.4	8.3	8.2	8.2	8.1	8.0	7.9
85°	8.9	8.8	8.6	8.4	8.2	8.1	7.9
82.5°	9.4	9.2	8.9	8.7	8.4	8.2	7.9
80°	9.9	9.6	9.3	8.9	8.6	8.2	7.9
77.5°	9.9	9.9	9.6	9.2	8.8	8.3	7.9
75°	9.9	9.9	9.9	9.4	8.9	8.4	7.9
72.5°	9.9	9.9	9.9	9.7	9.1	8.5	7.9
70°	9.9	9.9	9.9	9.9	9.3	8.6	7.9
67.5°	9.9	9.9	9.9	9.9	9.4	8.7	7.9
65°	9.9	9.9	9.9	9.9	9.6	8.7	7.9
62.5°	9.9	9.9	9.9	9.9	9.7	8.8	7.9
60°	9.9	9.9	9.9	9.9	9.9	8.9	7.9
57.5°	9.9	9.9	9.9	9.9	9.9	9.0	7.9
55°	9.9	9.9	9.9	9.9	9.9	9.0	7.9
52.5°	9.9	9.9	9.9	9.9	9.9	9.1	7.9
50°	9.9	9.9	9.9	9.9	9.9	9.2	7.9
47.5°	9.9	9.9	9.9	9.9	9.9	9.3	7.9
45°	10.1	9.9	9.9	9.9	9.9	9.3	7.9
42.5°	10.3	9.9	9.9	9.9	9.9	9.4	7.9
40°	10.5	9.9	9.9	9.9	9.9	9.4	7.9
37.5°	10.7	9.9	9.9	9.9	9.9	9.5	7.9
35°	11.0	10.0	9.9	9.9	9.9	9.5	7.9
32.5°	11.2	10.2	9.9	9.9	9.9	9.6	7.9
30°	11.3	10.4	9.9	9.9	9.9	9.6	7.9
27.5°	11.4	10.6	9.9	9.9	9.9	9.7	7.9
25°	11.5	10.9	9.9	9.9	9.9	9.7	7.9
22.5°	11.6	11.1	9.9	9.9	9.9	9.7	7.9
20°	11.8	11.2	9.9	9.9	9.9	9.8	7.9
17.5°	11.9	11.4	9.9	9.9	9.9	9.8	7.9
15°	12.1	11.5	9.9	9.9	9.9	9.8	7.9
12.5°	12.4	11.6	9.9	9.9	9.9	9.9	7.9
10°	12.6	11.7	9.9	9.9	9.9	9.9	7.9
7.5°	12.9	11.7	9.9	9.9	9.9	9.9	7.9
5°	13.2	11.8	9.9	9.9	9.9	9.9	7.9
2.5°	13.5	11.8	9.9	9.9	9.9	9.9	7.9
0°	13.8	11.8	9.9	9.9	9.9	9.9	7.9
-2.5°	15.1	12.0	9.9	9.9	9.9	9.9	7.9
-5°	16.4	12.2	9.9	9.9	9.9	9.9	7.9
-7.5°	17.5	12.4	9.9	9.9	9.9	9.9	7.9
-10°	18.5	12.5	9.9	9.9	9.9	9.9	7.9
-12.5°	19.3	12.5	9.9	9.9	9.9	9.9	7.9
-15°	19.9	12.6	9.9	9.9	9.9	9.8	7.9
-17.5°	20.3	12.5	9.9	9.9	9.9	9.8	7.9
-20°	20.6	12.4	9.9	9.9	9.9	9.8	7.9



REPORT NUMBER: P701593 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	21.1	12.3	9.9	9.9	9.9	9.8	7.9
-25°	21.1	12.3	9.9	9.9	9.9	9.8	7.9
-27.5°	20.8	12.3	9.9	9.9	9.9	9.7	7.9
-30°	20.1	12.1	9.9	9.9	9.9	9.7	7.9
-32.5°	18.9	11.8	10.1	9.9	9.9	9.7	7.9
-35°	18.2	11.3	10.2	9.9	9.9	9.6	7.9
-37.5°	17.6	10.9	10.3	9.9	9.9	9.6	7.9
-40°	16.7	11.1	10.5	9.9	9.9	9.6	7.9
-42.5°	15.6	11.3	10.6	9.9	9.9	9.6	7.9
-45°	14.2	11.4	10.6	10.0	9.9	9.5	7.9
-47.5°	12.6	11.6	10.7	10.0	9.9	9.5	7.9
-50°	12.5	11.7	10.7	10.0	9.9	9.5	7.9
-52.5°	12.6	11.8	10.7	10.1	9.9	9.4	7.9
-55°	12.8	11.8	10.7	10.1	9.9	9.4	7.9
-57.5°	12.9	11.7	10.7	10.1	9.9	9.4	7.9
-60°	13.0	11.6	10.6	10.0	9.9	9.3	7.9
-62.5°	12.7	11.4	10.5	10.0	9.9	9.3	7.9
-65°	12.4	11.2	10.4	10.0	9.9	9.3	7.9
-67.5°	12.1	11.0	10.3	10.0	9.9	9.2	7.9
-70°	11.7	10.8	10.2	9.9	9.9	9.2	7.9
-72.5°	11.3	10.5	10.1	9.9	9.9	9.2	7.9
-75°	10.9	10.3	9.9	9.8	9.9	9.1	7.9
-77.5°	10.4	10.0	9.8	9.7	9.9	9.1	7.9
-80°	10.0	9.7	9.6	9.7	9.9	9.1	7.9
-82.5°	9.5	9.4	9.4	9.6	9.9	9.0	7.9
-85°	8.9	9.1	9.3	9.5	9.9	9.0	7.9
-87.5°	8.4	8.7	9.1	9.5	9.9	8.9	7.9
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9

(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

