

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: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-80-1S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-40-80-1S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

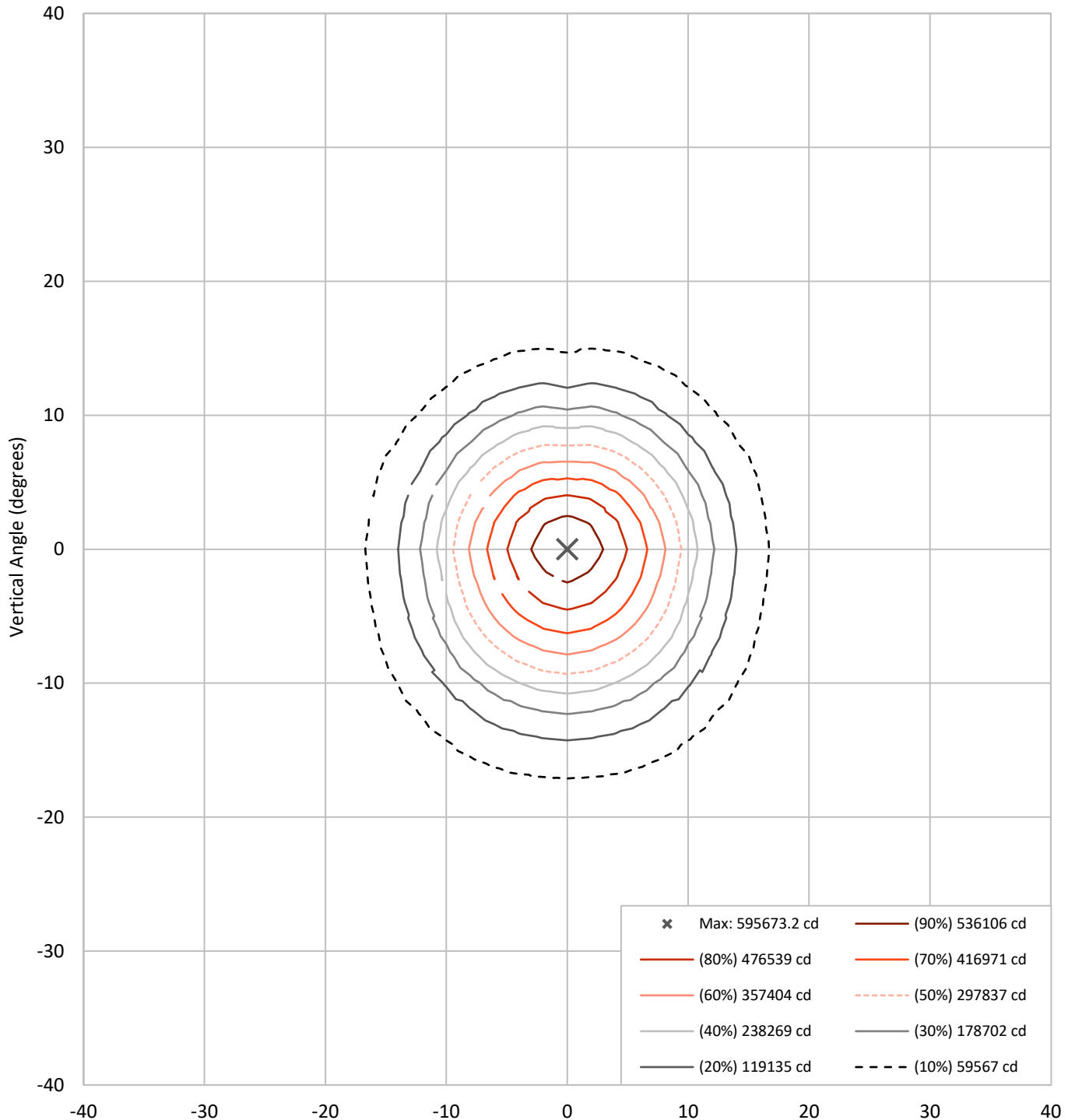
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	68676 lumens	Max Intensity:	595673.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	105.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 17.1°V	Field Angle (10%):	33.2°H x 31.5°V
Beam Lumens:	31633.8 lumens	Field Lumens:	58147.6 lumens
Beam Efficiency:	46.1%	Field Efficiency:	84.7%

Input Watts (W): 653.1
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: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-CV2-S

Iso-Candela Plot





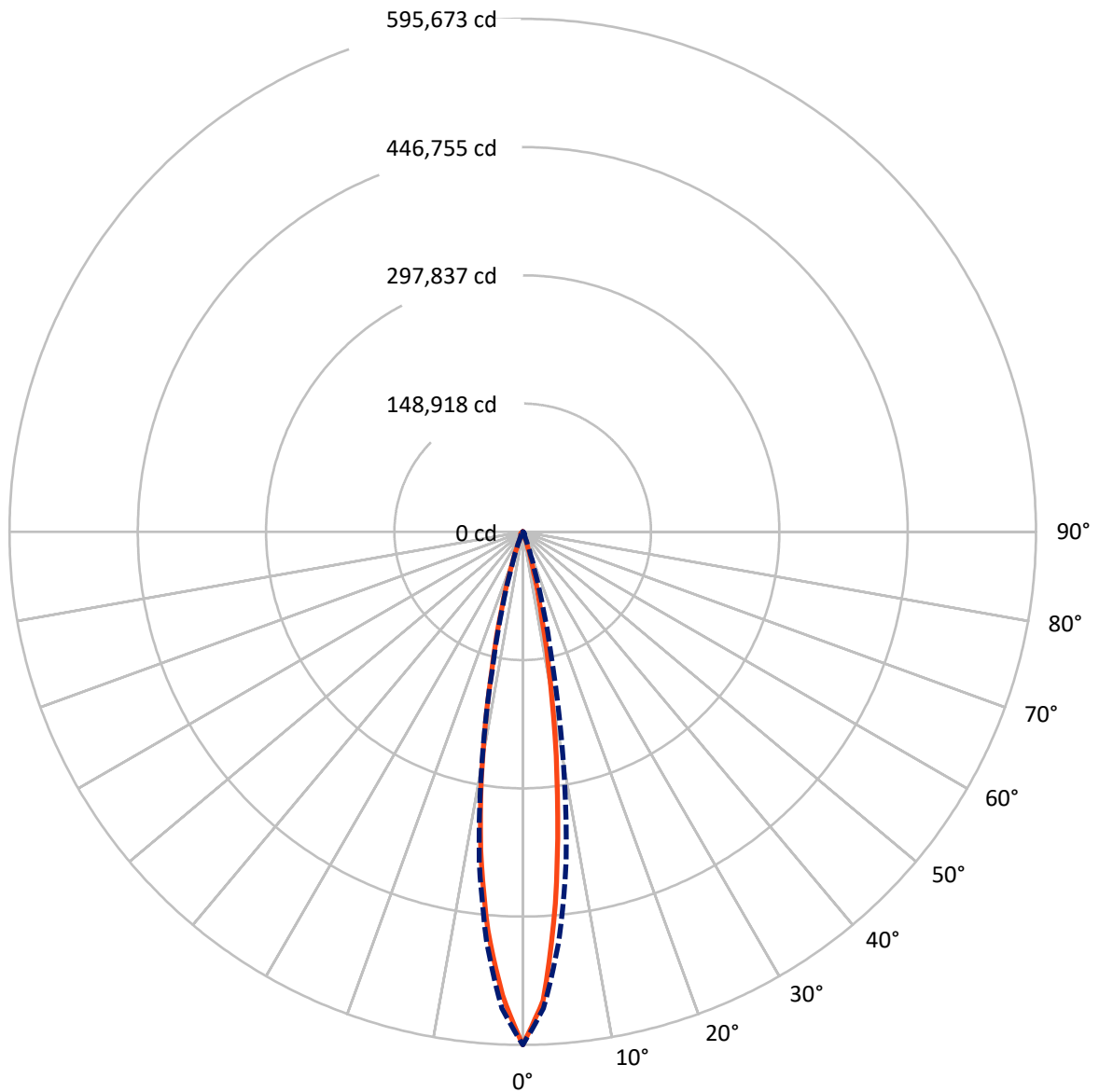
REPORT NUMBER: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-CV2-S

Lumen Table

90	0.2		0.4		0.5		0.5		0.6		0.5		0.5		0.4		0.2		
80	0.2		0.4		0.5		0.5		0.6		0.5		0.5		0.4		0.2		
70	0.2	0.1	0.2	0.5	0.6	0.4	0.3	0.2	0.2	0.3	0.4	0.6	0.5	0.2	0.1	0.2			
60		0.1	0.3	0.6	0.4	0.3	0.2	0.3	0.3	0.2	0.3	0.4	0.6	0.3	0.1				
50	0.2	0.2	0.4	0.4	0.5	0.8	1.0	1.2	1.2	1.0	0.8	0.5	0.4	0.4	0.2	0.2			
40		0.2	0.8	1.5	3.3	5.2	5.5	6.4	6.4	5.5	5.2	3.3	1.5	0.8	0.2				
30	0.2	0.4	2.4	8.3	22.2	27.0	35.7	66.5	66.5	35.7	27.0	22.2	8.3	2.4	0.4	0.2			
20		0.8	5.3	21.7	47.3	66.4	453.5	1823.7	1823.7	453.5	66.4	47.3	21.7	5.3	0.8				
10	0.3	1.6	9.1	41.8	71.4	165.4	2369.6	10226.0	10226.0	2369.6	165.4	71.4	41.8	9.1	1.6	0.3			
0		2.6	12.0	49.3	82.5	164.2	2570.7	10944.6	10944.6	2570.7	164.2	82.5	49.3	12.0	2.6				
-10	0.5	2.9	12.4	46.3	87.8	103.1	745.6	2823.5	2823.5	745.6	103.1	87.8	46.3	12.4	2.9	0.5			
-20		2.8	10.8	25.6	67.0	83.0	101.3	187.3	187.3	101.3	83.0	67.0	25.6	10.8	2.8				
-30	0.4	2.4	8.1	15.0	37.3	70.8	84.6	87.7	87.7	84.6	70.8	37.3	15.0	8.1	2.4	0.4			
-40		1.5	5.6	11.9	19.1	34.6	63.2	87.3	87.3	63.2	34.6	19.1	11.9	5.6	1.5				
-50	0.3	0.7	3.2	8.0	14.6	20.8	25.9	28.9	28.9	25.9	20.8	14.6	8.0	3.2	0.7	0.3			
-60		0.3	1.1	3.7	7.8	12.7	17.7	20.9	20.9	17.7	12.7	7.8	3.7	1.1	0.3				
-70	0.2	0.9		2.8		6.9		10.2		6.9		2.8		0.9		0.2			
-80		0.9		2.8		6.9		10.2		6.9		2.8		0.9					
-90	0.2		0.9		2.8		6.9		10.2		6.9		2.8		0.9		0.2		

REPORT NUMBER: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-CV2-S

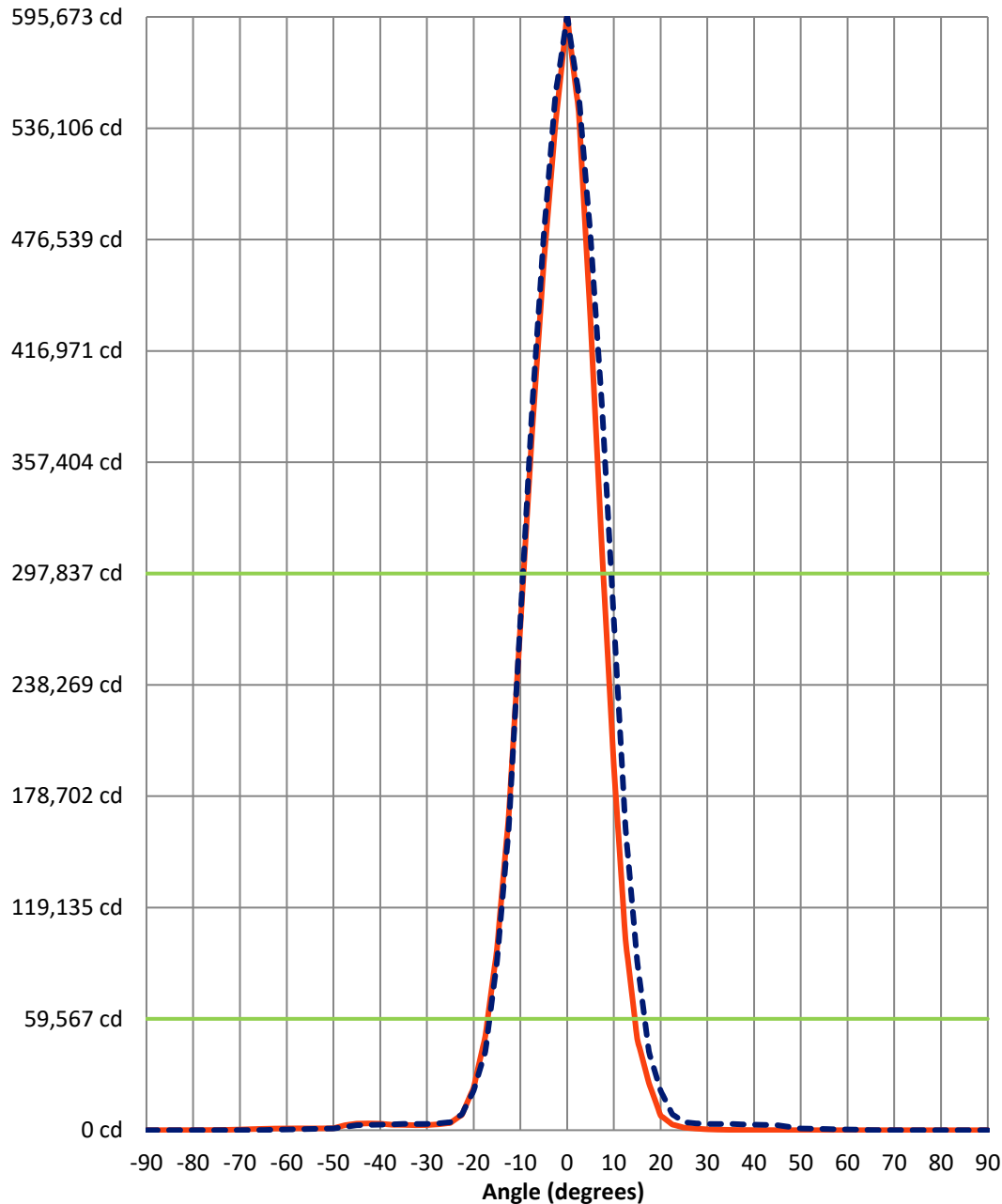
Luminous Intensity Polar Plot



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

REPORT NUMBER: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-CV2-S

Luminous Intensity Plot



Beam:
 H Angle: 18.9°
 V Angle: 17.1°
 Lumens: 31633.8
 Efficiency: 46.1%

Field:
 H Angle: 33.2°
 V Angle: 31.5°
 Lumens: 58147.6
 Efficiency: 84.7%

Spill:
 Lumens: 10528.3
 Efficiency: 15.3%

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



REPORT NUMBER: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-CV2-S

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.7	8.1	8.4	8.8
87.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.0	6.6	6.3	5.9
85°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.0	6.6	6.3	5.9
82.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.0	6.6	6.4	6.3
80°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.0	6.9	6.8	6.9
77.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.1	7.2	7.3
75°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.3	7.3	7.3
72.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
70°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.4
67.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.5	7.5
65°	7.3	7.3	7.3	7.3	7.3	7.4	7.4	7.3	7.6	7.8	7.6
62.5°	7.3	7.3	7.3	7.3	7.3	7.5	7.5	7.6	8.0	8.0	7.7
60°	7.3	7.3	7.3	7.3	7.3	7.6	7.6	8.0	8.4	8.1	7.8
57.5°	7.3	7.3	7.3	7.3	7.4	7.7	7.9	8.4	8.5	8.2	7.8
55°	7.3	7.3	7.3	7.3	7.6	7.9	8.2	8.8	8.6	8.2	7.9
52.5°	7.3	7.3	7.3	7.3	7.8	8.1	8.4	8.8	8.6	8.3	8.0
50°	7.3	7.3	7.3	7.3	7.9	8.2	8.6	8.8	8.7	8.4	9.0
47.5°	7.3	7.3	7.3	7.3	8.1	8.4	8.8	8.8	8.8	8.5	9.9
45°	7.3	7.3	7.3	7.5	8.3	8.5	8.8	8.8	8.8	9.1	10.6
42.5°	7.3	7.3	7.3	7.6	8.5	8.6	8.8	8.9	8.9	9.6	11.5
40°	7.3	7.3	7.3	7.7	8.6	8.7	8.8	9.0	9.2	10.0	12.4
37.5°	7.3	7.3	7.3	7.9	8.7	8.8	8.8	9.1	9.6	10.6	13.0
35°	7.3	7.3	7.3	8.0	8.7	8.8	8.8	9.3	10.0	11.7	13.5
32.5°	7.3	7.3	7.3	8.1	8.8	8.8	8.8	9.5	10.4	12.9	15.1
30°	7.3	7.3	7.3	8.2	8.8	8.8	9.0	9.7	10.7	14.3	17.1
27.5°	7.3	7.3	7.3	8.3	8.8	8.8	9.1	10.0	11.4	15.9	19.3
25°	7.3	7.3	7.3	8.4	8.8	8.8	9.3	10.3	12.6	17.7	21.8
22.5°	7.3	7.3	7.3	8.5	8.8	8.8	9.5	10.6	13.9	19.6	25.6
20°	7.3	7.3	7.3	8.5	8.8	8.9	9.7	10.9	15.2	21.7	29.3
17.5°	7.3	7.3	7.3	8.6	8.8	9.1	9.9	11.1	16.5	23.8	32.8
15°	7.3	7.3	7.3	8.6	8.8	9.2	10.2	11.5	17.8	26.0	36.2
12.5°	7.3	7.3	7.3	8.7	8.8	9.4	10.5	12.0	19.2	28.2	39.4
10°	7.3	7.3	7.3	8.7	8.8	9.5	10.8	12.6	20.6	30.9	44.0
7.5°	7.3	7.3	7.3	8.8	8.8	9.7	11.0	13.1	21.8	33.6	52.3
5°	7.3	7.3	7.3	8.8	8.8	9.9	11.3	13.6	23.0	36.2	60.9
2.5°	7.3	7.3	7.3	8.8	8.8	10.0	11.5	14.1	24.0	38.7	69.4
0°	7.3	7.3	7.3	8.8	8.8	10.2	11.7	14.6	24.9	41.0	77.6
-2.5°	7.3	7.3	7.4	8.8	8.9	10.4	12.5	17.6	31.5	53.2	98.3
-5°	7.3	7.3	7.4	8.8	9.0	10.5	13.2	20.4	37.7	64.9	117.7
-7.5°	7.3	7.3	7.5	8.8	9.2	10.6	13.9	23.0	43.4	75.7	135.5
-10°	7.3	7.3	7.6	8.7	9.3	10.7	14.5	25.3	48.5	85.3	151.0
-12.5°	7.3	7.3	7.6	8.7	9.4	10.8	15.0	27.3	52.7	93.7	163.2
-15°	7.3	7.3	7.7	8.7	9.4	10.9	15.3	28.7	57.4	102.6	172.7
-17.5°	7.3	7.3	7.7	8.7	9.5	11.0	15.6	30.9	62.7	110.0	179.9
-20°	7.3	7.3	7.8	8.7	9.5	11.0	16.1	33.3	66.7	115.8	184.7



REPORT NUMBER: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.3	7.3	7.8	8.7	9.5	11.1	17.0	34.8	69.3	119.7	186.8
-25°	7.3	7.3	7.8	8.6	9.5	11.4	17.6	35.4	70.3	121.8	186.2
-27.5°	7.3	7.3	7.8	8.6	9.5	11.7	17.7	34.9	69.7	122.3	187.8
-30°	7.3	7.3	7.8	8.7	9.5	11.9	17.4	33.2	68.7	121.5	187.1
-32.5°	7.3	7.3	7.9	8.7	9.5	12.1	16.5	32.4	66.8	118.3	183.8
-35°	7.3	7.3	7.8	8.7	9.6	12.1	16.3	31.4	63.2	112.8	177.8
-37.5°	7.3	7.3	7.8	8.7	9.6	12.1	16.3	29.6	57.9	104.9	162.0
-40°	7.3	7.3	7.8	8.8	9.6	12.1	16.2	27.1	50.9	96.6	145.1
-42.5°	7.3	7.3	7.8	8.8	9.6	12.0	15.9	23.7	45.6	84.0	127.0
-45°	7.3	7.3	7.7	8.9	9.6	11.9	15.5	21.2	40.8	70.0	108.2
-47.5°	7.3	7.3	7.7	8.9	9.6	11.7	14.9	20.4	35.0	55.4	91.6
-50°	7.3	7.3	7.6	8.8	9.6	11.4	14.5	19.5	27.5	46.9	74.2
-52.5°	7.3	7.3	7.6	8.7	9.6	11.1	14.1	18.4	24.0	38.0	56.9
-55°	7.3	7.3	7.5	8.5	9.5	10.9	13.5	17.1	22.1	28.7	46.4
-57.5°	7.3	7.3	7.4	8.4	9.4	10.7	12.9	16.3	20.2	24.9	35.5
-60°	7.3	7.3	7.3	8.3	9.3	10.5	12.3	15.3	18.4	22.7	27.1
-62.5°	7.3	7.3	7.3	8.1	9.1	10.2	11.8	14.3	17.3	20.4	24.5
-65°	7.3	7.3	7.3	8.0	8.9	9.9	11.3	13.4	16.1	18.8	21.9
-67.5°	7.3	7.3	7.3	7.8	8.7	9.6	10.8	12.6	14.8	17.4	20.0
-70°	7.3	7.3	7.3	7.6	8.5	9.3	10.2	11.8	13.8	16.0	18.4
-72.5°	7.3	7.3	7.3	7.6	8.3	9.0	9.8	11.0	12.7	14.7	16.8
-75°	7.3	7.3	7.3	7.6	8.0	8.8	9.5	10.4	11.6	13.3	15.2
-77.5°	7.3	7.3	7.3	7.5	7.9	8.5	9.1	10.0	10.9	12.1	13.5
-80°	7.3	7.3	7.3	7.5	7.8	8.2	8.8	9.5	10.2	11.1	12.2
-82.5°	7.3	7.3	7.3	7.4	7.7	8.0	8.4	9.0	9.5	10.2	11.0
-85°	7.3	7.3	7.3	7.4	7.6	7.8	8.1	8.6	9.0	9.5	10.0
-87.5°	7.3	7.3	7.3	7.3	7.4	7.5	7.7	8.1	8.5	9.0	9.4
-90°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.0	6.6	6.3	5.9



REPORT NUMBER: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
87.5°	5.9	5.9	5.9	5.9	5.5	5.2	4.8	4.4	4.4	4.4	4.4
85°	5.9	5.9	5.9	5.9	5.5	5.2	4.8	4.4	4.4	4.4	4.4
82.5°	6.3	6.3	6.1	5.9	5.6	5.2	4.8	4.6	4.6	4.6	4.6
80°	6.8	6.6	6.3	6.0	5.7	5.6	5.6	5.6	5.5	5.2	4.8
77.5°	7.0	6.7	6.3	6.0	5.9	6.1	6.1	6.0	5.6	5.3	4.9
75°	7.1	6.7	6.6	6.6	6.6	6.6	6.4	6.0	5.8	5.6	5.6
72.5°	7.1	7.0	7.1	7.3	7.1	6.8	6.4	6.1	6.4	7.1	7.7
70°	7.2	7.3	7.3	7.3	7.2	7.0	7.3	8.3	9.4	11.0	13.6
67.5°	7.3	7.3	7.3	7.3	7.3	7.7	8.8	14.2	20.7	23.4	24.5
65°	7.3	7.3	7.3	7.3	7.3	11.3	17.3	24.9	32.6	34.1	33.2
62.5°	7.3	7.3	7.3	8.4	11.8	17.3	24.3	32.3	41.5	41.7	36.5
60°	7.4	7.3	8.7	12.1	16.1	21.4	29.4	35.9	42.7	45.7	35.0
57.5°	7.5	8.4	11.4	15.3	19.6	23.8	28.5	34.7	38.0	38.4	28.3
55°	8.1	10.3	14.0	18.3	21.7	21.5	25.0	27.8	28.9	27.4	19.5
52.5°	9.6	12.2	16.4	20.5	21.9	20.2	19.5	21.3	20.5	17.6	14.4
50°	10.9	14.3	18.7	22.1	21.8	18.6	15.8	16.6	15.9	13.9	11.7
47.5°	12.4	16.2	21.4	23.6	20.9	18.7	16.1	15.3	14.5	14.8	13.2
45°	13.8	18.1	23.8	23.2	21.5	20.6	18.6	16.0	18.6	19.0	18.5
42.5°	15.0	19.7	23.6	23.2	24.4	23.8	22.1	23.3	24.7	25.9	26.4
40°	16.0	20.9	24.0	27.5	28.1	27.9	30.3	32.4	32.5	34.7	36.3
37.5°	16.7	22.0	27.0	35.1	32.4	35.0	39.8	44.0	46.3	44.5	49.8
35°	17.1	23.9	36.5	45.1	42.6	44.8	52.3	60.6	68.7	64.0	73.2
32.5°	18.5	26.6	48.7	56.3	64.6	65.1	66.4	89.4	106.9	114.7	119.1
30°	21.7	37.8	62.3	69.5	95.5	100.9	100.0	128.5	160.8	237.8	296.8
27.5°	26.3	51.4	74.8	96.7	133.5	143.1	156.7	189.4	288.6	435.0	600.8
25°	30.7	69.2	88.6	133.4	174.5	194.1	217.5	266.9	467.4	795.7	915.8
22.5°	40.2	89.0	110.8	175.3	219.8	246.5	289.1	409.6	686.7	1191.0	1223.4
20°	55.4	107.5	143.3	215.0	269.2	298.5	360.5	557.7	930.4	1297.9	1440.9
17.5°	71.5	127.9	178.8	255.0	322.6	364.4	440.7	698.5	1120.2	1436.1	1604.6
15°	88.1	149.9	211.6	299.2	381.1	447.0	599.1	888.8	1251.9	1599.4	1841.8
12.5°	104.6	173.0	241.7	346.3	443.8	529.5	790.7	1203.3	1539.4	1818.9	2139.0
10°	120.8	196.4	269.2	395.0	509.1	611.1	1001.5	1542.0	1873.3	2119.8	2400.4
7.5°	160.2	232.5	299.7	443.7	575.5	690.9	1221.7	1892.7	2176.6	2377.5	2588.8
5°	204.5	280.8	358.5	516.2	647.8	767.2	1436.1	2241.3	2455.1	2600.9	2732.3
2.5°	248.4	327.2	415.9	588.3	719.9	837.5	1616.9	2468.3	2651.5	2790.1	2894.9
0°	289.7	371.7	471.2	655.6	787.3	902.9	1772.2	2660.4	2825.8	2964.8	3090.7
-2.5°	312.8	407.7	512.6	681.2	795.0	907.0	1651.2	2594.9	2841.7	3027.1	3215.0
-5°	330.9	440.9	551.0	702.9	800.4	907.3	1509.5	2481.9	2860.7	3091.3	3320.8
-7.5°	343.8	470.5	586.1	720.5	806.9	910.9	1501.9	2521.9	2974.9	3183.9	3409.0
-10°	349.4	481.6	593.2	724.1	814.8	914.9	1483.2	2503.4	3085.0	3280.2	3482.3
-12.5°	338.5	476.2	591.2	722.9	821.3	914.5	1407.3	2419.6	3194.8	3385.8	3518.4
-15°	325.9	468.5	584.2	716.8	826.7	909.9	1266.4	2266.7	3214.6	3337.2	3467.9
-17.5°	312.4	458.4	571.7	705.6	831.6	900.8	1043.7	1880.6	2883.2	3177.3	3385.2
-20°	298.7	446.2	553.4	689.2	832.1	870.5	943.4	1509.4	2354.3	2947.3	3221.2



REPORT NUMBER: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	285.6	432.0	532.6	667.0	777.1	825.1	878.3	1165.0	1802.2	2651.4	2931.7
-25°	279.6	410.2	513.5	620.6	720.7	777.6	808.2	886.7	1348.4	2092.9	2610.4
-27.5°	277.5	391.3	484.9	575.8	672.0	726.1	750.0	807.9	1058.3	1554.5	2253.6
-30°	271.9	362.6	454.8	535.2	623.7	676.1	695.6	746.6	832.2	1191.9	1698.9
-32.5°	255.5	332.8	421.5	500.5	577.4	637.8	663.9	710.3	771.9	881.7	1245.5
-35°	235.2	307.5	386.8	464.5	535.2	601.1	647.0	680.5	722.4	777.9	956.4
-37.5°	217.2	281.0	351.9	427.0	495.1	562.9	627.9	658.5	691.5	733.8	808.6
-40°	197.5	253.4	320.4	388.9	455.5	521.5	584.7	639.8	665.9	709.6	761.0
-42.5°	176.3	229.9	289.2	350.7	414.3	476.7	539.2	597.8	654.3	688.8	729.9
-45°	154.9	204.6	257.8	315.3	372.1	430.6	489.0	549.4	619.1	679.4	709.5
-47.5°	132.2	178.3	228.3	279.2	331.7	384.4	437.7	502.7	572.3	637.7	701.0
-50°	109.5	151.9	197.9	245.8	292.6	340.0	388.4	456.3	523.6	587.3	647.7
-52.5°	89.2	124.2	167.8	213.2	256.1	298.2	348.0	409.9	474.2	537.1	594.5
-55°	68.1	99.9	136.2	178.9	221.7	260.0	308.1	364.6	422.7	483.2	539.7
-57.5°	52.5	75.9	107.0	142.1	183.0	225.5	272.0	319.1	372.0	426.8	476.8
-60°	39.8	56.0	79.0	108.6	140.7	182.8	233.2	279.8	324.3	368.1	414.8
-62.5°	28.7	41.5	56.7	76.5	104.1	136.8	179.4	227.3	278.9	316.8	353.7
-65°	25.8	29.6	40.1	54.2	68.7	95.6	127.8	163.7	207.1	245.6	285.1
-67.5°	22.8	26.3	29.8	35.3	48.2	62.6	77.6	106.3	137.8	164.5	192.4
-70°	20.7	23.2	26.3	29.5	32.8	39.2	51.9	65.2	78.2	93.1	115.6
-72.5°	18.7	20.7	23.0	25.6	28.5	31.8	35.3	39.1	46.8	56.4	65.7
-75°	16.7	18.1	19.8	21.8	24.1	26.6	29.4	32.4	35.1	37.5	40.0
-77.5°	14.6	15.6	16.8	18.1	19.5	21.3	23.4	25.6	27.6	29.5	31.3
-80°	12.7	13.2	14.0	14.8	16.0	17.1	18.3	19.4	20.5	21.8	23.3
-82.5°	11.1	11.4	11.6	12.0	12.7	13.5	14.4	15.3	15.9	16.6	17.2
-85°	9.8	9.5	9.5	9.5	10.1	10.7	11.4	12.0	12.3	12.5	12.8
-87.5°	9.3	9.2	9.0	8.8	9.0	9.2	9.5	9.8	9.8	9.9	9.9
-90°	5.9	5.9	5.9	5.9	5.5	5.2	4.8	4.4	4.4	4.4	4.4



REPORT NUMBER: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.8	9.2	9.5	9.8	10.2	10.9	11.7	12.4	13.2	18.7	24.1
87.5°	4.4	4.0	3.7	3.3	2.9	2.6	2.2	1.9	1.5	1.5	1.5
85°	4.4	4.0	3.7	3.3	2.9	2.6	2.2	1.9	1.5	1.5	1.5
82.5°	4.4	4.1	3.7	3.3	2.9	2.6	2.2	1.9	1.5	1.5	1.5
80°	4.5	4.1	3.7	3.3	3.0	2.8	2.7	2.7	2.7	2.5	2.2
77.5°	4.6	4.4	4.2	4.0	3.8	3.6	3.5	3.2	2.9	2.6	2.2
75°	5.8	5.8	5.6	5.2	4.6	4.1	3.7	3.4	3.0	2.9	2.8
72.5°	8.1	7.9	7.4	7.2	6.5	6.1	5.9	5.7	5.3	5.4	5.6
70°	15.0	15.3	14.6	13.2	11.2	9.9	9.3	8.4	7.4	7.2	7.7
67.5°	23.6	21.7	20.0	18.0	15.3	13.1	12.0	10.9	9.8	9.6	9.9
65°	29.8	23.6	20.2	17.8	15.9	14.1	12.7	11.3	10.0	9.2	9.0
62.5°	29.8	21.3	17.2	15.2	13.9	12.8	10.9	9.2	7.7	6.8	6.9
60°	25.6	17.5	12.9	11.3	9.9	8.8	7.9	7.1	6.4	5.9	6.0
57.5°	19.5	12.7	8.8	8.6	8.2	7.6	7.2	6.9	6.5	5.9	6.2
55°	13.6	10.5	8.9	9.0	9.1	9.0	8.5	7.8	7.2	6.8	7.1
52.5°	10.8	10.5	11.0	11.2	10.4	9.5	8.7	8.7	8.8	9.0	9.4
50°	11.5	12.0	12.2	11.5	11.0	10.6	10.1	10.6	11.3	11.8	12.3
47.5°	13.4	14.0	14.4	13.0	13.1	14.0	13.4	13.7	16.4	18.5	20.0
45°	17.6	19.7	20.1	20.4	20.1	22.1	23.3	24.3	29.9	32.0	31.9
42.5°	27.0	30.2	32.3	34.4	32.8	38.8	47.2	53.0	51.6	49.5	50.2
40°	40.7	46.7	55.2	59.8	64.8	71.5	73.9	64.0	62.5	70.4	71.2
37.5°	62.0	78.1	96.1	109.8	112.1	109.1	105.6	104.1	106.4	111.6	119.6
35°	102.0	139.9	156.5	165.1	170.4	154.3	148.3	154.2	149.1	163.8	168.9
32.5°	180.7	229.6	243.8	250.3	263.5	247.4	211.5	253.9	237.9	235.5	251.8
30°	286.4	354.7	413.4	417.7	408.3	405.8	426.3	431.9	412.7	412.6	476.9
27.5°	548.6	564.2	668.0	715.0	597.5	606.5	662.5	632.7	702.3	769.4	822.5
25°	868.8	881.7	1063.2	1035.5	911.0	946.5	979.3	972.8	1053.4	1134.2	1226.0
22.5°	1163.1	1215.8	1364.9	1326.4	1270.9	1286.2	1316.3	1376.0	1484.5	1648.6	2076.4
20°	1397.9	1432.1	1504.5	1537.5	1540.7	1570.7	1666.8	1831.4	2169.1	3276.9	4614.3
17.5°	1624.1	1571.2	1658.3	1715.3	1776.9	1887.1	2110.4	2784.5	4413.1	7770.9	11061.4
15°	1952.8	1920.2	1868.9	1946.9	2118.1	2343.2	2865.0	5329.6	10862.4	17158.5	23704.5
12.5°	2310.9	2267.7	2197.0	2262.9	2522.8	2923.9	5376.2	11622.0	20466.3	31753.8	53740.6
10°	2596.3	2577.0	2532.9	2672.7	3011.8	4220.4	8564.3	18391.8	31542.9	57726.8	89734.1
7.5°	2771.0	2762.1	2799.8	3028.6	3490.6	6163.5	14000.3	27684.5	50794.0	87144.3	140875.3
5°	2961.9	2948.2	3008.8	3286.2	3832.8	7409.3	18246.5	36032.3	70447.9	120739.7	198769.0
2.5°	3166.7	3135.2	3197.6	3513.8	4100.8	7685.7	19199.7	38532.4	82114.8	146636.9	251180.3
0°	3373.1	3308.7	3342.4	3658.5	4300.9	8591.5	21175.2	42136.7	90362.5	161619.7	272808.3
-2.5°	3389.9	3280.7	3314.2	3606.4	4221.6	7397.4	18384.6	38815.6	85882.7	150378.2	249829.5
-5°	3418.4	3276.1	3266.6	3522.8	4108.5	6748.8	15597.3	35499.8	75878.2	132331.1	218510.4
-7.5°	3471.4	3303.2	3222.2	3411.6	3929.1	5866.8	12725.1	29552.4	61385.1	107930.2	170380.4
-10°	3558.4	3377.7	3245.3	3328.4	3702.6	4784.7	8419.5	21479.4	46465.7	81373.5	123704.0
-12.5°	3665.7	3582.2	3383.5	3268.4	3474.0	4060.3	6618.0	16048.0	32646.3	51481.6	82361.8
-15°	3715.5	3747.1	3603.5	3374.7	3388.2	3750.9	4628.5	8786.8	20492.7	34178.0	49411.5
-17.5°	3647.8	3797.2	3631.2	3368.7	3262.3	3477.3	3887.8	5412.3	9469.7	18259.9	27194.3
-20°	3450.3	3499.1	3465.2	3307.6	3196.0	3207.7	3410.9	3806.3	4597.7	7475.3	10637.6



REPORT NUMBER: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3084.2	3115.7	3106.8	3223.4	3098.3	3042.0	3086.2	3239.6	3485.2	3858.6	4905.0
-25°	2772.3	2759.0	2831.1	3026.2	3057.0	2921.0	2885.5	2896.6	3036.3	3201.9	3431.4
-27.5°	2474.6	2564.8	2723.3	2921.3	3007.2	2915.8	2800.8	2725.6	2792.9	2845.1	2948.1
-30°	2225.6	2458.3	2624.6	2804.9	2934.3	2919.8	2807.8	2771.0	2739.3	2702.3	2728.4
-32.5°	1829.2	2330.0	2501.4	2648.8	2805.7	2869.2	2868.3	2852.7	2867.0	2836.9	2769.7
-35°	1421.6	1961.4	2406.6	2488.6	2589.9	2739.7	2854.5	2872.7	2889.9	2889.1	2873.0
-37.5°	1019.9	1521.6	1972.9	2304.7	2423.8	2533.6	2747.6	2862.0	2899.3	2958.5	2980.2
-40°	836.4	986.8	1438.0	1843.9	2117.5	2450.0	2672.4	2879.4	3092.2	3216.7	3287.1
-42.5°	781.3	843.9	910.0	1222.2	1612.5	1977.5	2326.1	2720.2	3022.5	3257.4	3491.6
-45°	741.6	781.8	825.8	887.1	948.6	1257.8	1612.9	1969.6	2304.3	2641.6	2965.3
-47.5°	726.0	740.7	771.2	806.3	847.2	901.3	952.6	1032.0	1308.2	1581.7	1875.1
-50°	700.8	737.6	750.8	763.6	796.6	828.2	852.8	886.4	919.8	940.7	968.4
-52.5°	647.6	695.1	735.7	772.9	794.3	812.7	829.0	856.5	882.3	904.8	920.3
-55°	592.6	641.6	688.5	734.3	777.1	818.2	853.8	873.7	893.6	913.7	922.0
-57.5°	528.0	579.6	630.2	677.9	724.7	770.4	810.9	847.4	882.4	914.8	935.2
-60°	460.3	504.4	555.5	608.4	657.2	702.2	747.0	789.3	828.4	861.6	882.5
-62.5°	394.4	436.4	478.5	526.2	579.1	630.1	670.6	711.6	752.9	789.2	815.4
-65°	322.9	358.1	391.8	427.7	465.6	506.6	549.3	591.3	632.3	666.8	692.6
-67.5°	225.5	259.2	290.3	321.1	349.6	378.4	409.0	440.1	471.2	498.4	521.6
-70°	137.5	157.9	176.0	195.7	219.1	243.3	267.5	289.7	310.0	326.7	340.2
-72.5°	74.4	82.2	91.0	105.5	118.9	133.3	148.1	161.8	174.3	185.9	196.3
-75°	42.4	46.0	52.2	57.8	62.8	69.0	75.6	81.9	88.0	94.0	99.5
-77.5°	33.1	34.9	36.6	38.2	39.8	42.0	44.5	47.1	49.7	54.0	58.7
-80°	24.7	25.9	27.0	28.1	29.2	30.7	32.2	33.6	34.9	36.9	38.7
-82.5°	18.0	18.5	19.0	19.5	19.9	20.9	21.9	23.0	24.0	26.0	28.1
-85°	13.0	13.2	13.4	13.6	13.8	14.3	14.8	15.3	15.8	17.7	19.6
-87.5°	9.9	10.0	10.1	10.2	10.2	10.6	11.0	11.4	11.7	13.6	15.5
-90°	4.4	4.0	3.7	3.3	2.9	2.6	2.2	1.9	1.5	1.1	0.8



REPORT NUMBER: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	29.6	35.1	40.2	45.4	40.2	35.1	29.6	24.1	18.7	13.2	12.4
87.5°	1.5	1.5	0.7	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.9
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
80°	1.9	1.5	1.5	1.5	1.5	1.5	1.9	2.2	2.5	2.7	2.7
77.5°	1.9	1.5	1.5	1.5	1.5	1.5	1.9	2.2	2.6	2.9	3.2
75°	2.8	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.9	3.0	3.4
72.5°	5.7	5.8	5.9	5.9	5.9	5.8	5.7	5.6	5.4	5.3	5.7
70°	8.2	8.7	9.4	10.2	9.4	8.7	8.2	7.7	7.2	7.4	8.4
67.5°	10.0	10.1	8.9	7.3	8.9	10.1	10.0	9.9	9.6	9.8	10.9
65°	8.9	8.9	8.1	7.3	8.1	8.9	8.9	9.0	9.2	10.0	11.3
62.5°	7.0	7.3	7.3	7.3	7.3	7.3	7.0	6.9	6.8	7.7	9.2
60°	6.0	6.0	5.9	5.9	5.9	6.0	6.0	6.0	5.9	6.4	7.1
57.5°	6.7	7.1	7.3	7.3	7.3	7.1	6.7	6.2	5.9	6.5	6.9
55°	7.2	7.3	7.9	8.8	7.9	7.3	7.2	7.1	6.8	7.2	7.8
52.5°	9.8	10.0	10.2	10.2	10.2	10.0	9.8	9.4	9.0	8.8	8.7
50°	12.7	13.0	13.1	13.2	13.1	13.0	12.7	12.3	11.8	11.3	10.6
47.5°	21.0	21.5	22.3	23.4	22.3	21.5	21.0	20.0	18.5	16.4	13.7
45°	33.4	34.3	35.7	38.0	35.7	34.3	33.4	31.9	32.0	29.9	24.3
42.5°	52.8	54.3	55.9	58.5	55.9	54.3	52.8	50.2	49.5	51.6	53.0
40°	72.9	73.8	74.8	77.6	74.8	73.8	72.9	71.2	70.4	62.5	64.0
37.5°	123.2	117.9	112.5	124.4	112.5	117.9	123.2	119.6	111.6	106.4	104.1
35°	168.0	171.1	176.0	184.4	176.0	171.1	168.0	168.9	163.8	149.1	154.2
32.5°	254.8	268.6	275.0	283.9	275.0	268.6	254.8	251.8	235.5	237.9	253.9
30°	507.0	506.2	465.4	472.7	465.4	506.2	507.0	476.9	412.6	412.7	431.9
27.5°	839.4	849.5	845.0	866.3	845.0	849.5	839.4	822.5	769.4	702.3	632.7
25°	1306.7	1350.4	1341.9	1384.4	1341.9	1350.4	1306.7	1226.0	1134.2	1053.4	972.8
22.5°	2602.1	2803.5	2800.4	3068.7	2800.4	2803.5	2602.1	2076.4	1648.6	1484.5	1376.0
20°	6950.0	8325.0	7758.4	7862.8	7758.4	8325.0	6950.0	4614.3	3276.9	2169.1	1831.4
17.5°	16027.2	20686.0	22709.2	25237.5	22709.2	20686.0	16027.2	11061.4	7770.9	4413.1	2784.5
15°	36587.1	48999.5	55208.3	48871.2	55208.3	48999.5	36587.1	23704.5	17158.5	10862.4	5329.6
12.5°	76602.5	98396.2	113461.0	101899.8	113461.0	98396.2	76602.5	53740.6	31753.8	20466.3	11622.0
10°	132337.4	172481.2	205657.9	194723.7	205657.9	172481.2	132337.4	89734.1	57726.8	31542.9	18391.8
7.5°	203446.6	268297.5	308773.8	308474.0	308773.8	268297.5	203446.6	140875.3	87144.3	50794.0	27684.5
5°	292697.8	375670.0	427208.7	433423.5	427208.7	375670.0	292697.8	198769.0	120739.7	70447.9	36032.3
2.5°	358782.0	448740.1	519113.2	544495.7	519113.2	448740.1	358782.0	251180.3	146636.9	82114.8	38532.4
0°	385763.2	478504.4	553729.6	595673.2	553729.6	478504.4	385763.2	272808.3	161619.7	90362.5	42136.7
-2.5°	364562.9	450219.0	512263.7	538250.0	512263.7	450219.0	364562.9	249829.5	150378.2	85882.7	38815.6
-5°	318312.5	398981.1	446842.9	463839.9	446842.9	398981.1	318312.5	218510.4	132331.1	75878.2	35499.8
-7.5°	249097.2	316624.5	357941.3	372864.2	357941.3	316624.5	249097.2	170380.4	107930.2	61385.1	29552.4
-10°	172500.6	222695.0	258565.9	269692.8	258565.9	222695.0	172500.6	123704.0	81373.5	46465.7	21479.4
-12.5°	111151.4	140932.1	160805.5	168044.0	160805.5	140932.1	111151.4	82361.8	51481.6	32646.3	16048.0
-15°	67619.4	84201.4	93826.1	97069.2	93826.1	84201.4	67619.4	49411.5	34178.0	20492.7	8786.8
-17.5°	37258.0	45260.8	48202.9	50273.1	48202.9	45260.8	37258.0	27194.3	18259.9	9469.7	5412.3
-20°	16691.5	20165.9	21870.7	22745.4	21870.7	20165.9	16691.5	10637.6	7475.3	4597.7	3806.3



REPORT NUMBER: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6435.8	7450.4	7907.3	8282.8	7907.3	7450.4	6435.8	4905.0	3858.6	3485.2	3239.6
-25°	3630.8	3771.7	3835.8	3878.0	3835.8	3771.7	3630.8	3431.4	3201.9	3036.3	2896.6
-27.5°	3021.5	3102.8	3158.5	3149.2	3158.5	3102.8	3021.5	2948.1	2845.1	2792.9	2725.6
-30°	2730.4	2755.4	2776.4	2759.9	2776.4	2755.4	2730.4	2728.4	2702.3	2739.3	2771.0
-32.5°	2722.4	2696.7	2681.9	2678.0	2681.9	2696.7	2722.4	2769.7	2836.9	2867.0	2852.7
-35°	2854.7	2843.0	2835.6	2840.4	2835.6	2843.0	2854.7	2873.0	2889.1	2889.9	2872.7
-37.5°	2982.9	2965.8	2939.9	2919.5	2939.9	2965.8	2982.9	2980.2	2958.5	2899.3	2862.0
-40°	3300.7	3362.2	3440.2	3482.9	3440.2	3362.2	3300.7	3287.1	3216.7	3092.2	2879.4
-42.5°	3561.1	3606.0	3626.2	3624.8	3626.2	3606.0	3561.1	3491.6	3257.4	3022.5	2720.2
-45°	3210.8	3390.4	3487.4	3506.3	3487.4	3390.4	3210.8	2965.3	2641.6	2304.3	1969.6
-47.5°	2191.3	2482.9	2654.0	2676.5	2654.0	2482.9	2191.3	1875.1	1581.7	1308.2	1032.0
-50°	1006.4	1045.5	1059.8	1049.2	1059.8	1045.5	1006.4	968.4	940.7	919.8	886.4
-52.5°	935.1	950.1	957.9	960.0	957.9	950.1	935.1	920.3	904.8	882.3	856.5
-55°	929.8	938.0	943.5	948.3	943.5	938.0	929.8	922.0	913.7	893.6	873.7
-57.5°	954.1	971.7	980.0	983.4	980.0	971.7	954.1	935.2	914.8	882.4	847.4
-60°	901.4	918.6	924.8	926.3	924.8	918.6	901.4	882.5	861.6	828.4	789.3
-62.5°	840.1	862.8	871.3	873.6	871.3	862.8	840.1	815.4	789.2	752.9	711.6
-65°	715.2	734.4	735.7	730.2	735.7	734.4	715.2	692.6	666.8	632.3	591.3
-67.5°	542.4	560.5	561.4	556.1	561.4	560.5	542.4	521.6	498.4	471.2	440.1
-70°	351.1	359.4	361.2	360.0	361.2	359.4	351.1	340.2	326.7	310.0	289.7
-72.5°	205.5	213.3	211.7	207.8	211.7	213.3	205.5	196.3	185.9	174.3	161.8
-75°	104.3	108.6	110.2	111.2	110.2	108.6	104.3	99.5	94.0	88.0	81.9
-77.5°	63.5	68.1	69.4	70.2	69.4	68.1	63.5	58.7	54.0	49.7	47.1
-80°	40.5	42.2	42.4	42.4	42.4	42.2	40.5	38.7	36.9	34.9	33.6
-82.5°	30.1	32.1	32.9	33.7	32.9	32.1	30.1	28.1	26.0	24.0	23.0
-85°	21.5	23.4	24.1	24.9	24.1	23.4	21.5	19.6	17.7	15.8	15.3
-87.5°	17.3	19.1	19.8	20.5	19.8	19.1	17.3	15.5	13.6	11.7	11.4
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.1	1.5	1.9



REPORT NUMBER: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	11.7	10.9	10.2	9.8	9.5	9.2	8.8	8.8	8.8	8.8	8.8
87.5°	2.2	2.6	2.9	3.3	3.7	4.0	4.4	4.4	4.4	4.4	4.4
85°	2.2	2.6	2.9	3.3	3.7	4.0	4.4	4.4	4.4	4.4	4.4
82.5°	2.2	2.6	2.9	3.3	3.7	4.1	4.4	4.6	4.6	4.6	4.6
80°	2.7	2.8	3.0	3.3	3.7	4.1	4.5	4.8	5.2	5.5	5.6
77.5°	3.5	3.6	3.8	4.0	4.2	4.4	4.6	4.9	5.3	5.6	6.0
75°	3.7	4.1	4.6	5.2	5.6	5.8	5.8	5.6	5.6	5.8	6.0
72.5°	5.9	6.1	6.5	7.2	7.4	7.9	8.1	7.7	7.1	6.4	6.1
70°	9.3	9.9	11.2	13.2	14.6	15.3	15.0	13.6	11.0	9.4	8.3
67.5°	12.0	13.1	15.3	18.0	20.0	21.7	23.6	24.5	23.4	20.7	14.2
65°	12.7	14.1	15.9	17.8	20.2	23.6	29.8	33.2	34.1	32.6	24.9
62.5°	10.9	12.8	13.9	15.2	17.2	21.3	29.8	36.5	41.7	41.5	32.3
60°	7.9	8.8	9.9	11.3	12.9	17.5	25.6	35.0	45.7	42.7	35.9
57.5°	7.2	7.6	8.2	8.6	8.8	12.7	19.5	28.3	38.4	38.0	34.7
55°	8.5	9.0	9.1	9.0	8.9	10.5	13.6	19.5	27.4	28.9	27.8
52.5°	8.7	9.5	10.4	11.2	11.0	10.5	10.8	14.4	17.6	20.5	21.3
50°	10.1	10.6	11.0	11.5	12.2	12.0	11.5	11.7	13.9	15.9	16.6
47.5°	13.4	14.0	13.1	13.0	14.4	14.0	13.4	13.2	14.8	14.5	15.3
45°	23.3	22.1	20.1	20.4	20.1	19.7	17.6	18.5	19.0	18.6	16.0
42.5°	47.2	38.8	32.8	34.4	32.3	30.2	27.0	26.4	25.9	24.7	23.3
40°	73.9	71.5	64.8	59.8	55.2	46.7	40.7	36.3	34.7	32.5	32.4
37.5°	105.6	109.1	112.1	109.8	96.1	78.1	62.0	49.8	44.5	46.3	44.0
35°	148.3	154.3	170.4	165.1	156.5	139.9	102.0	73.2	64.0	68.7	60.6
32.5°	211.5	247.4	263.5	250.3	243.8	229.6	180.7	119.1	114.7	106.9	89.4
30°	426.3	405.8	408.3	417.7	413.4	354.7	286.4	296.8	237.8	160.8	128.5
27.5°	662.5	606.5	597.5	715.0	668.0	564.2	548.6	600.8	435.0	288.6	189.4
25°	979.3	946.5	911.0	1035.5	1063.2	881.7	868.8	915.8	795.7	467.4	266.9
22.5°	1316.3	1286.2	1270.9	1326.4	1364.9	1215.8	1163.1	1223.4	1191.0	686.7	409.6
20°	1666.8	1570.7	1540.7	1537.5	1504.5	1432.1	1397.9	1440.9	1297.9	930.4	557.7
17.5°	2110.4	1887.1	1776.9	1715.3	1658.3	1571.2	1624.1	1604.6	1436.1	1120.2	698.5
15°	2865.0	2343.2	2118.1	1946.9	1868.9	1920.2	1952.8	1841.8	1599.4	1251.9	888.8
12.5°	5376.2	2923.9	2522.8	2262.9	2197.0	2267.7	2310.9	2139.0	1818.9	1539.4	1203.3
10°	8564.3	4220.4	3011.8	2672.7	2532.9	2577.0	2596.3	2400.4	2119.8	1873.3	1542.0
7.5°	14000.3	6163.5	3490.6	3028.6	2799.8	2762.1	2771.0	2588.8	2377.5	2176.6	1892.7
5°	18246.5	7409.3	3832.8	3286.2	3008.8	2948.2	2961.9	2732.3	2600.9	2455.1	2241.3
2.5°	19199.7	7685.7	4100.8	3513.8	3197.6	3135.2	3166.7	2894.9	2790.1	2651.5	2468.3
0°	21175.2	8591.5	4300.9	3658.5	3342.4	3308.7	3373.1	3090.7	2964.8	2825.8	2660.4
-2.5°	18384.6	7397.4	4221.6	3606.4	3314.2	3280.7	3389.9	3215.0	3027.1	2841.7	2594.9
-5°	15597.3	6748.8	4108.5	3522.8	3266.6	3276.1	3418.4	3320.8	3091.3	2860.7	2481.9
-7.5°	12725.1	5866.8	3929.1	3411.6	3222.2	3303.2	3471.4	3409.0	3183.9	2974.9	2521.9
-10°	8419.5	4784.7	3702.6	3328.4	3245.3	3377.7	3558.4	3482.3	3280.2	3085.0	2503.4
-12.5°	6618.0	4060.3	3474.0	3268.4	3383.5	3582.2	3665.7	3518.4	3385.8	3194.8	2419.6
-15°	4628.5	3750.9	3388.2	3374.7	3603.5	3747.1	3715.5	3467.9	3337.2	3214.6	2266.7
-17.5°	3887.8	3477.3	3262.3	3368.7	3631.2	3797.2	3647.8	3385.2	3177.3	2883.2	1880.6
-20°	3410.9	3207.7	3196.0	3307.6	3465.2	3499.1	3450.3	3221.2	2947.3	2354.3	1509.4



REPORT NUMBER: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3086.2	3042.0	3098.3	3223.4	3106.8	3115.7	3084.2	2931.7	2651.4	1802.2	1165.0
-25°	2885.5	2921.0	3057.0	3026.2	2831.1	2759.0	2772.3	2610.4	2092.9	1348.4	886.7
-27.5°	2800.8	2915.8	3007.2	2921.3	2723.3	2564.8	2474.6	2253.6	1554.5	1058.3	807.9
-30°	2807.8	2919.8	2934.3	2804.9	2624.6	2458.3	2225.6	1698.9	1191.9	832.2	746.6
-32.5°	2868.3	2869.2	2805.7	2648.8	2501.4	2330.0	1829.2	1245.5	881.7	771.9	710.3
-35°	2854.5	2739.7	2589.9	2488.6	2406.6	1961.4	1421.6	956.4	777.9	722.4	680.5
-37.5°	2747.6	2533.6	2423.8	2304.7	1972.9	1521.6	1019.9	808.6	733.8	691.5	658.5
-40°	2672.4	2450.0	2117.5	1843.9	1438.0	986.8	836.4	761.0	709.6	665.9	639.8
-42.5°	2326.1	1977.5	1612.5	1222.2	910.0	843.9	781.3	729.9	688.8	654.3	597.8
-45°	1612.9	1257.8	948.6	887.1	825.8	781.8	741.6	709.5	679.4	619.1	549.4
-47.5°	952.6	901.3	847.2	806.3	771.2	740.7	726.0	701.0	637.7	572.3	502.7
-50°	852.8	828.2	796.6	763.6	750.8	737.6	700.8	647.7	587.3	523.6	456.3
-52.5°	829.0	812.7	794.3	772.9	735.7	695.1	647.6	594.5	537.1	474.2	409.9
-55°	853.8	818.2	777.1	734.3	688.5	641.6	592.6	539.7	483.2	422.7	364.6
-57.5°	810.9	770.4	724.7	677.9	630.2	579.6	528.0	476.8	426.8	372.0	319.1
-60°	747.0	702.2	657.2	608.4	555.5	504.4	460.3	414.8	368.1	324.3	279.8
-62.5°	670.6	630.1	579.1	526.2	478.5	436.4	394.4	353.7	316.8	278.9	227.3
-65°	549.3	506.6	465.6	427.7	391.8	358.1	322.9	285.1	245.6	207.1	163.7
-67.5°	409.0	378.4	349.6	321.1	290.3	259.2	225.5	192.4	164.5	137.8	106.3
-70°	267.5	243.3	219.1	195.7	176.0	157.9	137.5	115.6	93.1	78.2	65.2
-72.5°	148.1	133.3	118.9	105.5	91.0	82.2	74.4	65.7	56.4	46.8	39.1
-75°	75.6	69.0	62.8	57.8	52.2	46.0	42.4	40.0	37.5	35.1	32.4
-77.5°	44.5	42.0	39.8	38.2	36.6	34.9	33.1	31.3	29.5	27.6	25.6
-80°	32.2	30.7	29.2	28.1	27.0	25.9	24.7	23.3	21.8	20.5	19.4
-82.5°	21.9	20.9	19.9	19.5	19.0	18.5	18.0	17.2	16.6	15.9	15.3
-85°	14.8	14.3	13.8	13.6	13.4	13.2	13.0	12.8	12.5	12.3	12.0
-87.5°	11.0	10.6	10.2	10.2	10.1	10.0	9.9	9.9	9.9	9.8	9.8
-90°	2.2	2.6	2.9	3.3	3.7	4.0	4.4	4.4	4.4	4.4	4.4



REPORT NUMBER: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.4	8.1	7.7
87.5°	4.8	5.2	5.5	5.9	5.9	5.9	5.9	5.9	6.3	6.6	7.0
85°	4.8	5.2	5.5	5.9	5.9	5.9	5.9	5.9	6.3	6.6	7.0
82.5°	4.8	5.2	5.6	5.9	6.1	6.3	6.3	6.3	6.4	6.6	7.0
80°	5.6	5.6	5.7	6.0	6.3	6.6	6.8	6.9	6.8	6.9	7.0
77.5°	6.1	6.1	5.9	6.0	6.3	6.7	7.0	7.3	7.2	7.1	7.2
75°	6.4	6.6	6.6	6.6	6.6	6.7	7.1	7.3	7.3	7.3	7.2
72.5°	6.4	6.8	7.1	7.3	7.1	7.0	7.1	7.3	7.3	7.3	7.3
70°	7.3	7.0	7.2	7.3	7.3	7.3	7.2	7.4	7.3	7.3	7.3
67.5°	8.8	7.7	7.3	7.3	7.3	7.3	7.3	7.5	7.5	7.3	7.3
65°	17.3	11.3	7.3	7.3	7.3	7.3	7.3	7.6	7.8	7.6	7.3
62.5°	24.3	17.3	11.8	8.4	7.3	7.3	7.3	7.7	8.0	8.0	7.6
60°	29.4	21.4	16.1	12.1	8.7	7.3	7.4	7.8	8.1	8.4	8.0
57.5°	28.5	23.8	19.6	15.3	11.4	8.4	7.5	7.8	8.2	8.5	8.4
55°	25.0	21.5	21.7	18.3	14.0	10.3	8.1	7.9	8.2	8.6	8.8
52.5°	19.5	20.2	21.9	20.5	16.4	12.2	9.6	8.0	8.3	8.6	8.8
50°	15.8	18.6	21.8	22.1	18.7	14.3	10.9	9.0	8.4	8.7	8.8
47.5°	16.1	18.7	20.9	23.6	21.4	16.2	12.4	9.9	8.5	8.8	8.8
45°	18.6	20.6	21.5	23.2	23.8	18.1	13.8	10.6	9.1	8.8	8.8
42.5°	22.1	23.8	24.4	23.2	23.6	19.7	15.0	11.5	9.6	8.9	8.9
40°	30.3	27.9	28.1	27.5	24.0	20.9	16.0	12.4	10.0	9.2	9.0
37.5°	39.8	35.0	32.4	35.1	27.0	22.0	16.7	13.0	10.6	9.6	9.1
35°	52.3	44.8	42.6	45.1	36.5	23.9	17.1	13.5	11.7	10.0	9.3
32.5°	66.4	65.1	64.6	56.3	48.7	26.6	18.5	15.1	12.9	10.4	9.5
30°	100.0	100.9	95.5	69.5	62.3	37.8	21.7	17.1	14.3	10.7	9.7
27.5°	156.7	143.1	133.5	96.7	74.8	51.4	26.3	19.3	15.9	11.4	10.0
25°	217.5	194.1	174.5	133.4	88.6	69.2	30.7	21.8	17.7	12.6	10.3
22.5°	289.1	246.5	219.8	175.3	110.8	89.0	40.2	25.6	19.6	13.9	10.6
20°	360.5	298.5	269.2	215.0	143.3	107.5	55.4	29.3	21.7	15.2	10.9
17.5°	440.7	364.4	322.6	255.0	178.8	127.9	71.5	32.8	23.8	16.5	11.1
15°	599.1	447.0	381.1	299.2	211.6	149.9	88.1	36.2	26.0	17.8	11.5
12.5°	790.7	529.5	443.8	346.3	241.7	173.0	104.6	39.4	28.2	19.2	12.0
10°	1001.5	611.1	509.1	395.0	269.2	196.4	120.8	44.0	30.9	20.6	12.6
7.5°	1221.7	690.9	575.5	443.7	299.7	232.5	160.2	52.3	33.6	21.8	13.1
5°	1436.1	767.2	647.8	516.2	358.5	280.8	204.5	60.9	36.2	23.0	13.6
2.5°	1616.9	837.5	719.9	588.3	415.9	327.2	248.4	69.4	38.7	24.0	14.1
0°	1772.2	902.9	787.3	655.6	471.2	371.7	289.7	77.6	41.0	24.9	14.6
-2.5°	1651.2	907.0	795.0	681.2	512.6	407.7	312.8	98.3	53.2	31.5	17.6
-5°	1509.5	907.3	800.4	702.9	551.0	440.9	330.9	117.7	64.9	37.7	20.4
-7.5°	1501.9	910.9	806.9	720.5	586.1	470.5	343.8	135.5	75.7	43.4	23.0
-10°	1483.2	914.9	814.8	724.1	593.2	481.6	349.4	151.0	85.3	48.5	25.3
-12.5°	1407.3	914.5	821.3	722.9	591.2	476.2	338.5	163.2	93.7	52.7	27.3
-15°	1266.4	909.9	826.7	716.8	584.2	468.5	325.9	172.7	102.6	57.4	28.7
-17.5°	1043.7	900.8	831.6	705.6	571.7	458.4	312.4	179.9	110.0	62.7	30.9
-20°	943.4	870.5	832.1	689.2	553.4	446.2	298.7	184.7	115.8	66.7	33.3



REPORT NUMBER: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	878.3	825.1	777.1	667.0	532.6	432.0	285.6	186.8	119.7	69.3	34.8
-25°	808.2	777.6	720.7	620.6	513.5	410.2	279.6	186.2	121.8	70.3	35.4
-27.5°	750.0	726.1	672.0	575.8	484.9	391.3	277.5	187.8	122.3	69.7	34.9
-30°	695.6	676.1	623.7	535.2	454.8	362.6	271.9	187.1	121.5	68.7	33.2
-32.5°	663.9	637.8	577.4	500.5	421.5	332.8	255.5	183.8	118.3	66.8	32.4
-35°	647.0	601.1	535.2	464.5	386.8	307.5	235.2	177.8	112.8	63.2	31.4
-37.5°	627.9	562.9	495.1	427.0	351.9	281.0	217.2	162.0	104.9	57.9	29.6
-40°	584.7	521.5	455.5	388.9	320.4	253.4	197.5	145.1	96.6	50.9	27.1
-42.5°	539.2	476.7	414.3	350.7	289.2	229.9	176.3	127.0	84.0	45.6	23.7
-45°	489.0	430.6	372.1	315.3	257.8	204.6	154.9	108.2	70.0	40.8	21.2
-47.5°	437.7	384.4	331.7	279.2	228.3	178.3	132.2	91.6	55.4	35.0	20.4
-50°	388.4	340.0	292.6	245.8	197.9	151.9	109.5	74.2	46.9	27.5	19.5
-52.5°	348.0	298.2	256.1	213.2	167.8	124.2	89.2	56.9	38.0	24.0	18.4
-55°	308.1	260.0	221.7	178.9	136.2	99.9	68.1	46.4	28.7	22.1	17.1
-57.5°	272.0	225.5	183.0	142.1	107.0	75.9	52.5	35.5	24.9	20.2	16.3
-60°	233.2	182.8	140.7	108.6	79.0	56.0	39.8	27.1	22.7	18.4	15.3
-62.5°	179.4	136.8	104.1	76.5	56.7	41.5	28.7	24.5	20.4	17.3	14.3
-65°	127.8	95.6	68.7	54.2	40.1	29.6	25.8	21.9	18.8	16.1	13.4
-67.5°	77.6	62.6	48.2	35.3	29.8	26.3	22.8	20.0	17.4	14.8	12.6
-70°	51.9	39.2	32.8	29.5	26.3	23.2	20.7	18.4	16.0	13.8	11.8
-72.5°	35.3	31.8	28.5	25.6	23.0	20.7	18.7	16.8	14.7	12.7	11.0
-75°	29.4	26.6	24.1	21.8	19.8	18.1	16.7	15.2	13.3	11.6	10.4
-77.5°	23.4	21.3	19.5	18.1	16.8	15.6	14.6	13.5	12.1	10.9	10.0
-80°	18.3	17.1	16.0	14.8	14.0	13.2	12.7	12.2	11.1	10.2	9.5
-82.5°	14.4	13.5	12.7	12.0	11.6	11.4	11.1	11.0	10.2	9.5	9.0
-85°	11.4	10.7	10.1	9.5	9.5	9.5	9.8	10.0	9.5	9.0	8.6
-87.5°	9.5	9.2	9.0	8.8	9.0	9.2	9.3	9.4	9.0	8.5	8.1
-90°	4.8	5.2	5.5	5.9	5.9	5.9	5.9	5.9	6.3	6.6	7.0



REPORT NUMBER: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.3	7.3	7.3	7.3	7.3	7.3	7.3
87.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3
85°	7.3	7.3	7.3	7.3	7.3	7.3	7.3
82.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3
80°	7.3	7.3	7.3	7.3	7.3	7.3	7.3
77.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3
75°	7.3	7.3	7.3	7.3	7.3	7.3	7.3
72.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3
70°	7.3	7.3	7.3	7.3	7.3	7.3	7.3
67.5°	7.3	7.3	7.3	7.3	7.3	7.3	7.3
65°	7.4	7.4	7.3	7.3	7.3	7.3	7.3
62.5°	7.5	7.5	7.3	7.3	7.3	7.3	7.3
60°	7.6	7.6	7.3	7.3	7.3	7.3	7.3
57.5°	7.9	7.7	7.4	7.3	7.3	7.3	7.3
55°	8.2	7.9	7.6	7.3	7.3	7.3	7.3
52.5°	8.4	8.1	7.8	7.3	7.3	7.3	7.3
50°	8.6	8.2	7.9	7.3	7.3	7.3	7.3
47.5°	8.8	8.4	8.1	7.3	7.3	7.3	7.3
45°	8.8	8.5	8.3	7.5	7.3	7.3	7.3
42.5°	8.8	8.6	8.5	7.6	7.3	7.3	7.3
40°	8.8	8.7	8.6	7.7	7.3	7.3	7.3
37.5°	8.8	8.8	8.7	7.9	7.3	7.3	7.3
35°	8.8	8.8	8.7	8.0	7.3	7.3	7.3
32.5°	8.8	8.8	8.8	8.1	7.3	7.3	7.3
30°	9.0	8.8	8.8	8.2	7.3	7.3	7.3
27.5°	9.1	8.8	8.8	8.3	7.3	7.3	7.3
25°	9.3	8.8	8.8	8.4	7.3	7.3	7.3
22.5°	9.5	8.8	8.8	8.5	7.3	7.3	7.3
20°	9.7	8.9	8.8	8.5	7.3	7.3	7.3
17.5°	9.9	9.1	8.8	8.6	7.3	7.3	7.3
15°	10.2	9.2	8.8	8.6	7.3	7.3	7.3
12.5°	10.5	9.4	8.8	8.7	7.3	7.3	7.3
10°	10.8	9.5	8.8	8.7	7.3	7.3	7.3
7.5°	11.0	9.7	8.8	8.8	7.3	7.3	7.3
5°	11.3	9.9	8.8	8.8	7.3	7.3	7.3
2.5°	11.5	10.0	8.8	8.8	7.3	7.3	7.3
0°	11.7	10.2	8.8	8.8	7.3	7.3	7.3
-2.5°	12.5	10.4	8.9	8.8	7.4	7.3	7.3
-5°	13.2	10.5	9.0	8.8	7.4	7.3	7.3
-7.5°	13.9	10.6	9.2	8.8	7.5	7.3	7.3
-10°	14.5	10.7	9.3	8.7	7.6	7.3	7.3
-12.5°	15.0	10.8	9.4	8.7	7.6	7.3	7.3
-15°	15.3	10.9	9.4	8.7	7.7	7.3	7.3
-17.5°	15.6	11.0	9.5	8.7	7.7	7.3	7.3
-20°	16.1	11.0	9.5	8.7	7.8	7.3	7.3



REPORT NUMBER: P701484 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.0	11.1	9.5	8.7	7.8	7.3	7.3
-25°	17.6	11.4	9.5	8.6	7.8	7.3	7.3
-27.5°	17.7	11.7	9.5	8.6	7.8	7.3	7.3
-30°	17.4	11.9	9.5	8.7	7.8	7.3	7.3
-32.5°	16.5	12.1	9.5	8.7	7.9	7.3	7.3
-35°	16.3	12.1	9.6	8.7	7.8	7.3	7.3
-37.5°	16.3	12.1	9.6	8.7	7.8	7.3	7.3
-40°	16.2	12.1	9.6	8.8	7.8	7.3	7.3
-42.5°	15.9	12.0	9.6	8.8	7.8	7.3	7.3
-45°	15.5	11.9	9.6	8.9	7.7	7.3	7.3
-47.5°	14.9	11.7	9.6	8.9	7.7	7.3	7.3
-50°	14.5	11.4	9.6	8.8	7.6	7.3	7.3
-52.5°	14.1	11.1	9.6	8.7	7.6	7.3	7.3
-55°	13.5	10.9	9.5	8.5	7.5	7.3	7.3
-57.5°	12.9	10.7	9.4	8.4	7.4	7.3	7.3
-60°	12.3	10.5	9.3	8.3	7.3	7.3	7.3
-62.5°	11.8	10.2	9.1	8.1	7.3	7.3	7.3
-65°	11.3	9.9	8.9	8.0	7.3	7.3	7.3
-67.5°	10.8	9.6	8.7	7.8	7.3	7.3	7.3
-70°	10.2	9.3	8.5	7.6	7.3	7.3	7.3
-72.5°	9.8	9.0	8.3	7.6	7.3	7.3	7.3
-75°	9.5	8.8	8.0	7.6	7.3	7.3	7.3
-77.5°	9.1	8.5	7.9	7.5	7.3	7.3	7.3
-80°	8.8	8.2	7.8	7.5	7.3	7.3	7.3
-82.5°	8.4	8.0	7.7	7.4	7.3	7.3	7.3
-85°	8.1	7.8	7.6	7.4	7.3	7.3	7.3
-87.5°	7.7	7.5	7.4	7.3	7.3	7.3	7.3
-90°	7.3	7.3	7.3	7.3	7.3	7.3	7.3

(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

