

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: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-80-4S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-27)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-57-80-4S-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

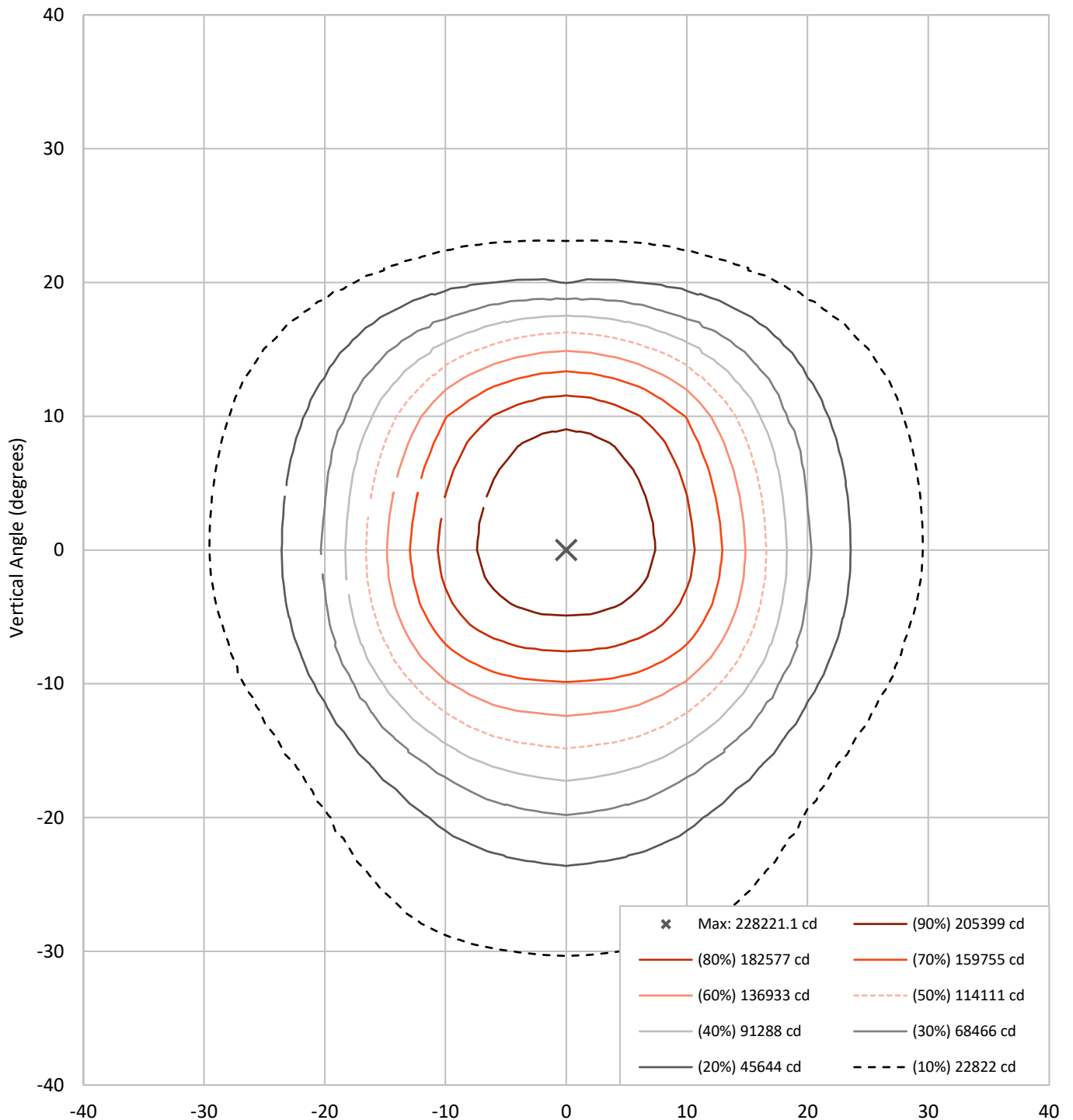
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	77759.6 lumens	Max Intensity:	228221.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	118.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.1°H x 31.1°V	Field Angle (10%):	59.1°H x 53.4°V
Beam Lumens:	42498.7 lumens	Field Lumens:	68479.2 lumens
Beam Efficiency:	54.7%	Field Efficiency:	88.1%

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

REPORT NUMBER: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV1-S

Iso-Candela Plot





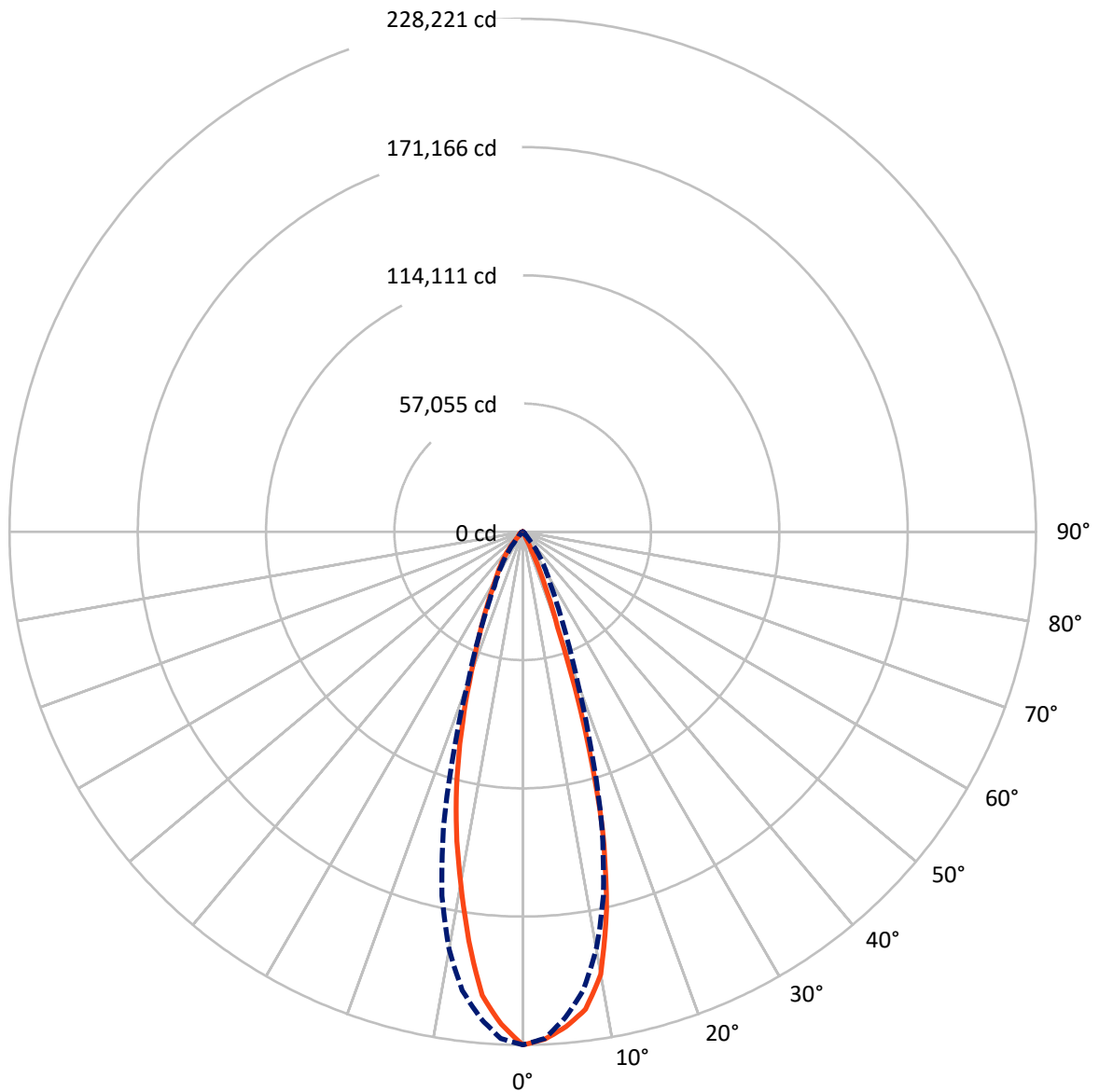
REPORT NUMBER: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV1-S

Lumen Table

90																
80	0.1	0.2		0.4		0.4		0.4		0.4		0.4		0.2	0.1	
70																
60	0.1	0.0	0.1	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.1	0.0	0.1
50		0.1	0.3	0.8	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.8	0.8	0.3	0.1	
40	0.1	0.1	0.4	0.5	0.6	0.7	0.9	0.9	0.9	0.9	0.7	0.6	0.5	0.4	0.1	0.1
30		0.2	0.8	2.3	4.2	7.3	11.1	13.7	13.7	11.1	7.3	4.2	2.3	0.8	0.2	
20	0.1	0.4	3.8	11.7	46.2	144.1	288.6	468.6	468.6	288.6	144.1	46.2	11.7	3.8	0.4	0.1
10		1.2	8.6	28.2	190.7	651.5	1944.5	3625.3	3625.3	1944.5	651.5	190.7	28.2	8.6	1.2	
0	0.2	1.9	11.9	40.3	297.2	1058.6	3630.2	6217.7	6217.7	3630.2	1058.6	297.2	40.3	11.9	1.9	0.2
-10		2.5	12.7	41.4	293.4	1021.2	3513.7	5787.6	5787.6	3513.7	1021.2	293.4	41.4	12.7	2.5	
-20	0.4	3.0	12.2	31.9	174.4	577.0	1773.2	3160.7	3160.7	1773.2	577.0	174.4	31.9	12.2	3.0	0.4
-30		3.0	11.6	24.6	82.1	312.8	720.6	1149.5	1149.5	720.6	312.8	82.1	24.6	11.6	3.0	
-40	0.4	2.5	10.5	21.0	40.5	116.2	290.9	442.0	442.0	290.9	116.2	40.5	21.0	10.5	2.5	0.4
-50		1.6	7.6	18.0	30.3	46.3	70.4	95.5	95.5	70.4	46.3	30.3	18.0	7.6	1.6	
-60	0.2	0.8	3.9	11.7	22.8	32.8	42.2	48.3	48.3	42.2	32.8	22.8	11.7	3.9	0.8	0.2
-70		0.3	1.4	4.2	9.1	15.3	21.5	24.9	24.9	21.5	15.3	9.1	4.2	1.4	0.3	
-80																
-90	0.1	0.7		2.9		7.3		9.7		7.3		2.9		0.7	0.1	

REPORT NUMBER: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV1-S

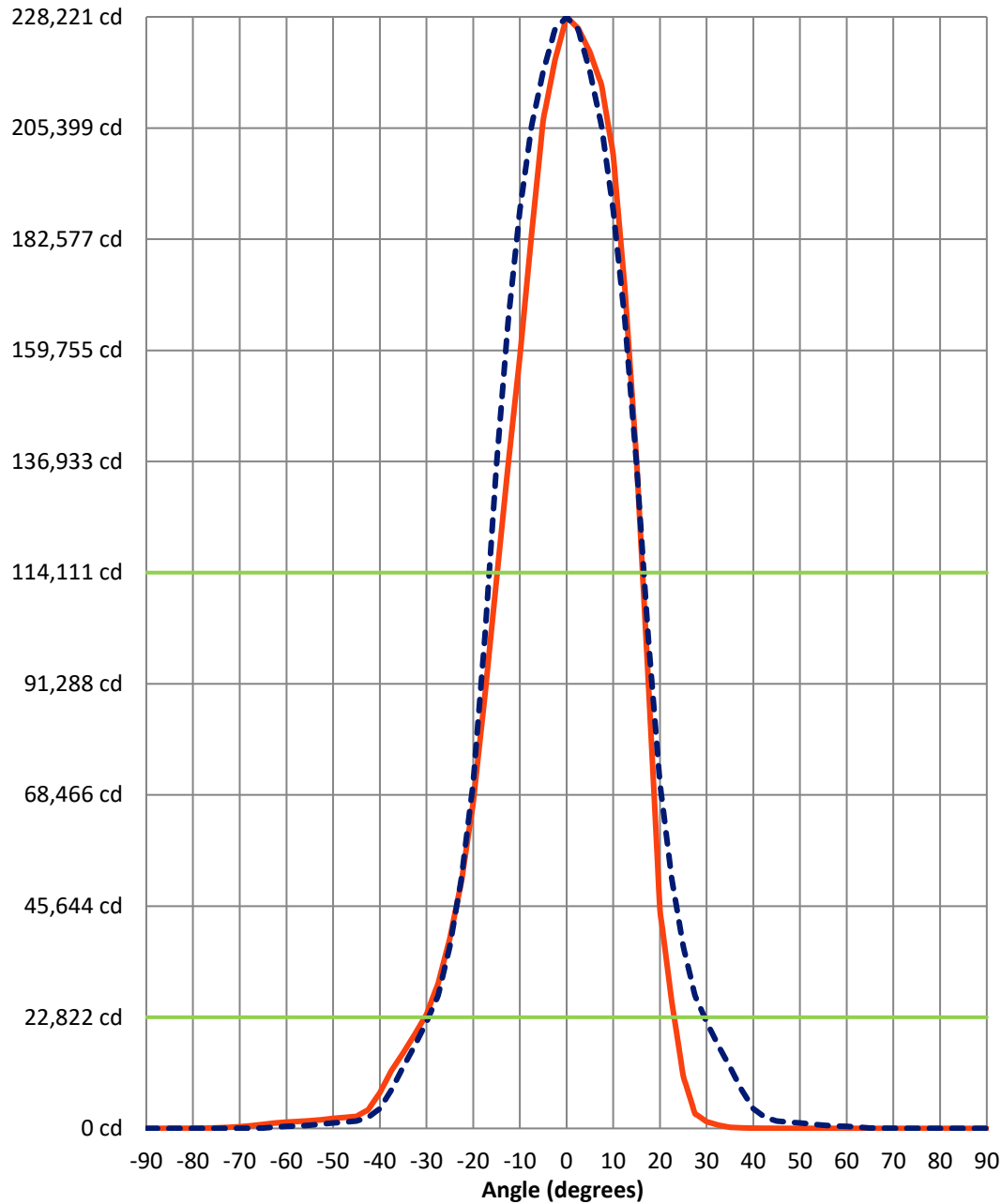
Luminous Intensity Polar Plot



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

REPORT NUMBER: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV1-S

Luminous Intensity Plot



Beam:
 H Angle: 33.1°
 V Angle: 31.1°
 Lumens: 42498.7
 Efficiency: 54.7%

Field:
 H Angle: 59.1°
 V Angle: 53.4°
 Lumens: 68479.2
 Efficiency: 88.1%

Spill:
 Lumens: 9280.4
 Efficiency: 11.9%

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



REPORT NUMBER: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV1-S

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
87.5°	3.9	3.0	2.2	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.0
85°	3.9	3.0	2.3	2.4	2.3	2.2	2.0	2.0	2.0	2.0	2.0
82.5°	3.9	3.1	2.5	2.6	2.5	2.3	2.0	2.0	2.0	2.1	2.0
80°	3.9	3.1	2.7	2.8	2.7	2.4	2.1	2.3	2.4	2.3	2.0
77.5°	3.9	3.2	2.8	2.9	2.9	2.6	2.6	2.7	2.7	2.5	2.3
75°	3.9	3.2	3.0	3.1	3.0	2.9	3.1	3.2	3.1	3.0	3.0
72.5°	3.9	3.3	3.2	3.3	3.2	3.2	3.5	3.6	3.4	3.5	3.8
70°	3.9	3.3	3.3	3.5	3.4	3.5	3.9	3.7	3.7	3.9	3.9
67.5°	3.9	3.4	3.5	3.6	3.5	3.8	3.9	3.8	3.9	3.9	3.9
65°	3.9	3.4	3.6	3.6	3.7	3.9	3.9	3.9	3.9	3.9	3.9
62.5°	3.9	3.4	3.8	3.7	3.8	3.9	3.9	3.9	3.9	3.9	3.9
60°	3.9	3.5	3.9	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9
57.5°	3.9	3.5	3.9	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9
55°	3.9	3.6	3.9	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9
52.5°	3.9	3.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
50°	3.9	3.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.1
47.5°	3.9	3.7	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	6.4
45°	3.9	3.7	3.9	3.9	3.9	3.9	3.9	3.9	4.0	5.0	7.7
42.5°	3.9	3.7	3.9	3.9	3.9	3.9	3.9	4.0	4.1	6.1	9.3
40°	3.9	3.8	3.9	3.9	3.9	3.9	3.9	4.1	4.6	7.2	11.0
37.5°	3.9	3.8	3.9	3.9	3.9	3.9	3.9	4.3	5.6	8.5	12.7
35°	3.9	3.8	3.9	3.9	3.9	3.9	3.9	4.6	6.6	10.0	14.2
32.5°	3.9	3.8	3.9	3.9	3.9	3.9	4.0	4.8	7.5	11.5	15.6
30°	3.9	3.8	3.9	3.9	3.9	3.9	4.2	5.3	8.4	12.9	17.3
27.5°	3.9	3.9	3.9	3.9	3.9	3.9	4.4	6.0	9.4	14.3	19.3
25°	3.9	3.9	3.9	3.9	3.9	3.9	4.6	6.7	10.5	15.7	21.7
22.5°	3.9	3.9	3.9	3.9	3.9	3.9	4.9	7.3	11.5	17.4	26.3
20°	3.9	3.9	3.9	3.9	3.9	4.1	5.1	7.9	12.4	19.2	31.3
17.5°	3.9	3.9	3.9	3.9	3.9	4.3	5.5	8.5	13.3	21.1	36.7
15°	3.9	3.9	3.9	3.9	3.9	4.5	5.9	9.1	14.1	23.0	42.2
12.5°	3.9	3.9	3.9	3.9	3.9	4.7	6.3	10.0	15.3	24.9	47.8
10°	3.9	3.9	3.9	3.9	3.9	4.9	6.6	10.8	17.1	28.2	53.7
7.5°	3.9	3.9	3.9	3.9	3.9	5.2	7.0	11.7	18.9	31.7	59.8
5°	3.9	3.9	3.9	3.9	3.9	5.4	7.3	12.4	20.6	35.1	65.4
2.5°	3.9	3.9	3.9	3.9	3.9	5.7	7.6	13.1	22.2	38.4	70.4
0°	3.9	3.9	3.9	3.9	3.9	5.9	7.9	13.8	23.7	41.4	74.9
-2.5°	3.9	3.9	3.9	3.9	4.1	6.5	9.7	17.5	31.8	55.9	96.5
-5°	3.9	3.9	3.9	3.9	4.2	7.2	11.5	21.0	39.6	69.7	117.1
-7.5°	3.9	3.9	3.9	3.9	4.4	7.7	13.2	24.3	46.8	82.6	136.2
-10°	3.9	3.9	3.9	3.9	4.6	8.2	14.7	27.3	53.2	94.2	153.5
-12.5°	3.9	3.9	3.9	3.9	4.7	8.6	16.0	29.9	58.7	104.1	168.8
-15°	3.9	3.9	3.9	3.9	4.8	9.0	17.1	32.1	63.1	111.8	181.3
-17.5°	3.9	3.9	3.9	3.9	4.9	9.2	18.0	34.2	66.5	117.5	190.6
-20°	3.9	3.9	3.9	3.9	4.9	9.4	18.7	36.1	68.7	121.1	196.2



REPORT NUMBER: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.9	3.9	3.9	3.9	5.0	9.4	19.4	37.3	69.4	122.5	198.0
-25°	3.9	3.9	3.9	3.9	5.0	9.5	19.7	37.8	68.7	121.3	195.5
-27.5°	3.9	3.9	3.9	3.9	4.9	9.4	19.6	37.6	66.4	118.6	193.8
-30°	3.9	3.9	3.9	3.9	4.8	9.3	19.1	36.7	64.8	115.8	188.8
-32.5°	3.9	3.9	3.9	3.9	4.9	8.9	18.2	35.9	63.6	110.8	180.4
-35°	3.9	3.9	3.9	3.9	4.9	8.4	17.5	34.7	61.3	103.6	168.3
-37.5°	3.9	3.9	3.9	3.9	4.9	7.9	16.8	32.8	57.8	94.1	153.4
-40°	3.9	3.9	3.9	3.9	4.9	7.9	15.8	30.3	53.2	87.3	138.3
-42.5°	3.9	3.9	3.9	3.9	4.9	7.8	14.5	27.1	49.0	79.7	121.0
-45°	3.9	3.9	3.9	4.0	5.0	7.7	12.9	24.1	44.5	70.9	103.0
-47.5°	3.9	3.9	3.9	4.0	5.1	7.5	11.1	21.9	39.1	61.3	92.1
-50°	3.9	3.9	3.9	4.0	5.0	7.3	10.6	19.3	32.3	53.3	80.1
-52.5°	3.9	3.9	3.9	4.1	5.0	7.0	10.2	16.3	27.4	44.5	67.4
-55°	3.9	3.9	3.9	4.1	4.9	6.8	9.7	13.3	23.2	34.9	56.1
-57.5°	3.9	3.9	3.9	4.1	4.8	6.5	9.2	12.6	18.8	28.7	43.8
-60°	3.9	3.9	3.9	4.0	4.6	6.2	8.7	11.8	15.0	23.5	33.0
-62.5°	3.9	3.9	3.9	4.0	4.6	5.8	8.1	10.9	13.9	18.0	26.8
-65°	3.9	3.9	3.9	4.0	4.5	5.4	7.4	10.0	12.6	15.7	20.5
-67.5°	3.9	3.9	3.9	4.0	4.3	5.1	6.7	9.0	11.3	14.1	17.2
-70°	3.9	3.9	3.9	3.9	4.2	4.8	5.8	7.9	10.2	12.4	15.1
-72.5°	3.9	3.9	3.9	3.9	4.1	4.6	5.4	6.9	9.0	11.1	13.1
-75°	3.9	3.9	3.9	3.9	3.9	4.3	4.9	6.2	7.8	9.7	11.6
-77.5°	3.9	3.9	3.9	3.9	3.9	4.0	4.4	5.5	6.8	8.4	10.1
-80°	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.8	5.9	7.1	8.5
-82.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.3	4.9	5.9	6.9
-85°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.2	4.6	5.0	5.6
-87.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.2	4.5	4.7
-90°	3.9	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



REPORT NUMBER: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.4	2.6	2.7
80°	2.0	2.0	2.1	2.0	2.2	2.5	2.9	3.5	3.8	3.9	3.9
77.5°	2.5	2.5	2.4	2.1	2.3	2.8	3.3	3.8	3.9	3.9	3.9
75°	3.2	3.1	2.6	2.2	2.3	2.8	3.3	3.8	3.9	3.9	3.9
72.5°	3.6	3.2	2.7	2.2	2.6	3.2	3.7	3.9	4.8	6.0	6.8
70°	3.7	3.2	3.0	3.1	3.6	4.3	6.0	8.2	10.3	11.1	11.9
67.5°	3.8	3.6	3.6	4.1	5.5	7.4	9.9	13.0	16.1	17.2	18.4
65°	3.9	3.8	4.4	5.7	7.7	10.7	14.1	17.7	23.1	25.8	27.0
62.5°	3.9	4.2	5.2	7.4	10.6	14.2	18.7	24.6	31.7	36.3	36.1
60°	3.9	4.4	6.6	9.8	13.5	17.7	23.6	31.7	41.8	49.0	44.1
57.5°	3.9	5.3	8.5	12.1	16.1	20.8	28.8	38.9	48.1	57.8	49.6
55°	4.5	6.7	10.2	14.1	18.7	24.4	32.3	40.2	50.3	54.0	45.2
52.5°	6.0	8.3	11.7	16.2	21.8	26.4	30.7	37.8	41.6	43.3	37.2
50°	7.5	10.0	13.1	18.6	23.5	26.0	26.7	31.1	32.8	31.3	28.3
47.5°	9.2	11.7	15.0	20.4	23.7	24.9	24.0	24.8	24.7	24.4	20.5
45°	10.9	13.9	17.3	21.0	23.5	23.2	22.8	20.0	22.7	22.0	20.2
42.5°	12.7	15.9	19.4	21.9	22.5	23.7	23.5	24.4	24.5	25.6	27.6
40°	14.4	17.8	21.8	23.5	22.9	26.5	31.8	34.5	31.0	37.4	42.9
37.5°	15.9	20.3	25.4	29.4	27.1	35.1	43.8	57.6	59.6	55.4	70.7
35°	17.2	23.0	33.7	43.0	45.3	49.1	73.4	95.5	109.2	101.2	112.8
32.5°	19.3	26.1	45.0	65.3	81.6	86.1	111.7	158.1	185.1	189.7	182.0
30°	22.7	36.7	61.9	93.6	129.8	162.3	184.7	237.7	281.9	330.2	358.8
27.5°	27.8	50.4	89.1	138.2	192.8	253.5	303.9	344.8	425.7	507.8	578.3
25°	33.7	78.3	120.1	193.9	280.6	364.4	434.5	497.2	603.8	731.9	946.3
22.5°	48.3	114.1	171.9	256.6	378.3	484.4	579.0	676.4	806.6	979.2	1427.5
20°	74.4	158.7	231.0	321.2	479.2	609.4	729.6	852.1	1015.1	1376.6	2360.2
17.5°	104.5	205.4	287.8	392.3	554.3	720.0	884.8	1019.8	1217.2	1750.8	3387.3
15°	137.5	253.4	339.2	457.4	625.5	805.8	990.0	1183.1	1484.2	2249.4	4362.1
12.5°	172.4	302.0	385.5	516.5	692.4	887.4	1074.3	1283.5	1725.3	3005.8	5602.4
10°	208.1	350.3	427.2	569.6	754.5	964.0	1149.6	1368.0	1914.1	3489.9	6468.6
7.5°	230.8	384.6	461.3	616.8	811.2	1034.7	1216.1	1437.7	2074.2	3797.3	7074.0
5°	248.0	402.1	472.5	638.1	848.4	1086.2	1267.7	1493.6	2203.1	3947.6	7492.3
2.5°	261.1	415.8	481.6	650.9	871.2	1110.3	1283.1	1514.6	2256.4	4038.4	7782.2
0°	270.0	425.7	488.8	658.3	887.0	1125.5	1291.0	1525.6	2264.7	4064.3	7923.6
-2.5°	284.8	433.5	503.5	671.6	895.3	1130.3	1297.6	1534.2	2297.8	4185.8	8139.5
-5°	295.7	438.1	516.1	679.8	896.5	1126.7	1297.6	1532.2	2278.7	4143.6	7867.0
-7.5°	303.1	440.1	525.9	682.6	884.6	1102.0	1271.2	1488.5	2159.1	3877.1	7127.1
-10°	308.4	446.5	538.4	678.4	858.5	1061.9	1233.9	1435.4	2005.1	3502.7	6269.8
-12.5°	316.7	457.0	550.6	672.3	831.1	1015.9	1190.6	1373.9	1818.4	3020.5	5300.7
-15°	320.9	465.7	561.8	665.3	804.2	964.9	1141.6	1304.4	1609.1	2438.7	4224.9
-17.5°	320.9	472.8	572.5	658.1	779.3	909.4	1092.5	1254.1	1461.6	2080.9	3475.0
-20°	316.9	478.9	582.9	651.6	758.7	875.0	1052.5	1218.6	1401.3	1813.0	2730.9



REPORT NUMBER: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	308.7	484.1	589.6	656.7	751.2	860.6	1006.7	1176.1	1338.6	1526.9	2162.9
-25°	303.3	471.1	590.5	662.0	743.2	845.4	957.3	1126.2	1280.1	1461.3	1863.7
-27.5°	299.8	453.2	579.7	663.3	733.4	830.5	928.8	1067.4	1235.3	1403.7	1587.6
-30°	290.5	420.8	564.7	657.2	729.3	816.8	909.4	1013.8	1183.8	1347.1	1516.5
-32.5°	272.0	386.8	531.4	637.4	722.8	801.7	889.8	983.8	1118.3	1286.6	1442.3
-35°	250.7	360.5	490.4	612.6	710.0	786.7	867.2	956.0	1055.1	1208.0	1381.0
-37.5°	230.8	329.9	448.2	575.9	678.2	771.1	841.3	925.5	1017.5	1123.0	1295.8
-40°	207.2	295.0	408.7	528.9	643.6	745.5	824.6	892.0	977.0	1084.4	1191.6
-42.5°	180.9	264.9	366.1	480.6	594.2	702.7	805.1	870.9	946.1	1046.1	1148.7
-45°	159.2	230.7	320.4	426.5	535.8	649.0	753.1	855.9	927.8	1008.1	1105.5
-47.5°	135.0	195.4	277.5	368.0	472.2	579.8	691.3	798.1	907.9	984.8	1061.2
-50°	111.7	165.4	230.0	313.2	404.1	505.4	610.3	727.6	838.2	945.3	1034.0
-52.5°	97.0	132.6	190.6	257.7	338.6	426.8	526.8	635.2	749.3	863.0	960.4
-55°	81.2	111.2	151.0	208.5	274.5	352.0	437.9	537.2	640.7	749.5	852.6
-57.5°	65.9	91.9	121.4	161.6	217.5	278.5	353.1	434.9	527.7	624.2	710.4
-60°	50.5	72.6	98.0	127.1	162.6	214.9	268.5	336.0	413.3	491.1	566.3
-62.5°	35.9	53.8	75.1	99.1	127.1	155.5	198.1	247.5	298.8	361.9	424.3
-65°	28.7	37.2	52.9	73.0	94.4	118.9	144.3	170.3	212.1	253.9	293.8
-67.5°	21.3	28.7	36.7	47.2	65.4	83.7	103.5	126.1	148.9	170.2	195.7
-70°	18.0	20.7	26.8	34.0	41.2	49.8	65.7	82.8	100.4	117.1	134.9
-72.5°	15.5	18.0	20.5	23.0	28.6	34.0	38.9	43.5	53.6	67.6	81.0
-75°	13.3	15.3	17.6	19.8	21.6	23.3	25.5	29.7	34.0	38.1	41.8
-77.5°	11.3	12.6	14.3	16.3	17.9	19.1	20.4	21.8	23.6	25.7	27.9
-80°	9.3	9.9	10.8	12.1	13.5	14.7	15.7	16.6	17.7	19.1	20.7
-82.5°	7.4	7.9	8.3	8.8	9.5	10.4	11.4	12.5	13.1	13.8	14.6
-85°	5.7	5.9	6.2	6.5	6.9	7.3	7.8	8.3	8.9	9.5	10.0
-87.5°	4.8	4.9	5.0	5.0	5.1	5.2	5.3	5.3	5.7	6.2	6.7
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



REPORT NUMBER: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	7.9	7.9
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.9	2.8	2.6	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	3.9	3.6	3.4	3.3	3.2	3.0	2.8	2.4	2.0	2.0	2.0
77.5°	3.9	3.9	3.9	3.9	3.9	3.5	3.0	2.6	2.1	2.0	2.0
75°	3.9	4.0	4.3	4.3	4.0	3.7	3.6	3.5	3.5	3.3	2.9
72.5°	7.1	7.0	6.6	6.6	6.3	6.3	6.4	6.1	5.6	5.5	5.6
70°	12.6	13.0	13.0	12.5	11.3	10.1	9.3	8.5	7.7	7.2	6.9
67.5°	19.5	19.6	18.6	16.8	14.0	11.5	10.4	9.4	8.4	8.1	8.5
65°	27.0	24.5	21.6	18.3	14.9	11.6	10.8	10.1	9.6	9.6	10.3
62.5°	33.2	26.9	21.6	17.8	14.6	11.6	10.7	9.9	9.1	8.5	8.4
60°	36.8	27.0	19.4	16.1	13.0	10.3	9.1	8.5	8.1	7.9	7.9
57.5°	36.8	25.5	16.9	13.9	11.2	8.8	7.9	7.9	7.9	7.9	7.9
55°	32.7	22.3	14.5	11.9	10.2	8.7	8.0	8.2	8.2	7.9	8.3
52.5°	25.6	18.4	13.5	11.2	10.4	9.9	9.7	9.6	9.4	9.2	9.5
50°	20.4	15.3	13.0	11.6	11.6	11.7	11.6	11.8	12.1	12.3	12.4
47.5°	17.1	14.4	14.6	13.5	14.0	15.2	15.5	15.7	16.2	16.3	16.0
45°	17.5	20.3	20.9	20.6	20.3	23.2	23.0	21.1	23.6	24.3	23.8
42.5°	29.0	31.4	33.0	34.5	36.3	38.4	39.6	38.9	41.2	41.1	38.5
40°	48.9	46.6	50.4	54.9	58.9	60.4	64.1	67.9	69.4	68.6	66.0
37.5°	80.3	76.8	77.1	87.1	96.4	85.5	101.6	107.9	103.9	118.3	121.2
35°	133.4	147.5	127.1	163.1	181.0	172.2	191.4	229.4	200.0	253.8	266.9
32.5°	237.2	271.1	292.4	322.8	367.4	426.1	440.9	534.5	564.4	607.8	654.5
30°	387.6	483.4	659.8	692.6	735.1	937.5	993.1	1043.9	1150.5	1232.6	1372.1
27.5°	704.4	962.6	1331.3	1655.9	1632.1	1974.4	2355.3	1928.7	2561.6	2307.7	2914.9
25°	1319.1	1888.2	2777.2	3637.4	4047.9	4745.4	5617.8	5452.7	6603.6	6683.5	8381.1
22.5°	2508.7	3745.3	5104.7	6567.0	7985.5	9555.4	11063.9	12645.4	15023.0	18308.1	21500.9
20°	4104.6	5922.7	8118.3	10382.4	12783.4	15224.9	18061.5	22865.1	27790.3	34626.8	39456.6
17.5°	5833.9	8727.6	11422.7	14228.0	17584.6	21642.9	27510.5	35718.3	45673.8	55893.4	63799.3
15°	7344.5	10617.9	14502.8	18242.7	22416.6	28508.4	37723.9	49881.3	64686.5	80222.4	99009.2
12.5°	8806.0	12225.3	16447.1	21177.6	26849.5	35568.5	47514.0	63943.5	83556.9	106902.7	131032.0
10°	9940.3	13692.1	18390.9	23718.2	30641.1	41349.8	55231.2	74628.4	103692.4	131252.0	158806.0
7.5°	10826.6	15047.2	20024.5	25615.6	33676.4	45734.3	62342.4	86759.9	117468.4	147287.0	172666.3
5°	11614.4	16161.5	21131.2	26685.0	35861.5	48924.6	66809.1	94695.0	127465.0	156770.9	180921.5
2.5°	12235.0	16890.1	21739.2	27220.6	37268.1	50685.7	69164.7	98953.4	133908.6	162841.3	185901.8
0°	12610.7	17020.0	21841.1	27334.4	37374.9	51483.6	71002.9	100816.9	136206.9	165811.9	188492.8
-2.5°	12476.1	16729.0	21510.6	27000.1	37022.5	50735.8	69524.4	99872.7	134259.3	161957.7	184768.5
-5°	11805.4	15776.9	20217.0	25381.9	34683.9	47895.0	65333.2	93007.4	125329.4	152980.7	174445.9
-7.5°	10748.1	14446.3	18522.7	23304.3	31348.2	43286.2	59176.9	82727.5	112069.7	137583.3	156954.5
-10°	9565.2	12903.7	16435.6	20670.7	26958.4	37091.7	50361.5	68344.2	93509.2	116449.1	134764.7
-12.5°	8143.3	10920.9	13889.9	17542.1	22307.7	30568.9	41725.7	56313.2	73810.4	94223.8	110898.3
-15°	6665.6	9000.7	11458.2	14884.0	18948.5	24210.8	32230.4	43827.4	56815.3	70757.8	85886.9
-17.5°	5352.7	7329.7	9935.3	12820.7	15918.5	19580.4	26211.3	34114.6	43514.0	53458.9	62589.7
-20°	4299.8	6396.6	8737.4	11246.7	14093.1	17614.4	21687.8	27692.3	34662.6	42296.8	49611.2



REPORT NUMBER: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3537.1	5417.6	7591.2	9945.0	12824.6	15994.6	19293.5	23061.9	28064.0	33933.3	39552.4
-25°	2694.0	4265.4	6374.0	8747.8	11400.6	14196.1	16873.8	19945.7	23602.6	27421.5	31356.2
-27.5°	2135.4	3244.6	4976.0	7205.2	9659.8	11848.5	14142.7	16700.6	19898.5	23221.0	25410.3
-30°	1742.8	2392.3	3692.0	5433.7	7485.1	9416.6	11300.4	13599.2	16109.6	18494.1	20429.6
-32.5°	1628.1	1918.7	2591.2	3832.5	5373.3	7097.2	8788.2	10840.3	12788.8	14675.8	16339.8
-35°	1547.2	1732.9	1986.6	2634.1	3562.2	4963.3	6508.3	8244.8	10003.4	11527.8	12939.1
-37.5°	1471.7	1633.0	1800.9	1967.9	2490.4	3131.6	4219.7	5593.2	6927.2	8160.8	9375.6
-40°	1364.0	1540.7	1676.4	1819.2	1974.6	2151.2	2720.6	3281.8	3934.8	4880.8	5709.6
-42.5°	1249.8	1397.0	1551.5	1685.3	1815.2	1950.9	2094.4	2237.0	2535.5	2906.7	3210.7
-45°	1202.0	1290.6	1396.8	1536.4	1667.0	1788.9	1905.7	2018.7	2137.9	2246.8	2335.8
-47.5°	1144.9	1225.5	1311.3	1402.4	1498.3	1616.0	1731.5	1846.5	1950.9	2047.9	2125.3
-50°	1092.2	1155.5	1232.2	1309.6	1386.3	1465.2	1544.9	1633.7	1733.4	1831.6	1912.4
-52.5°	1049.0	1107.0	1161.9	1216.8	1283.5	1350.4	1417.4	1488.1	1556.1	1620.5	1670.7
-55°	944.2	1025.9	1106.2	1158.1	1203.0	1248.6	1299.3	1362.6	1422.9	1480.1	1513.7
-57.5°	801.6	896.1	983.0	1044.2	1106.8	1170.3	1222.6	1267.9	1313.5	1357.1	1380.9
-60°	642.9	720.6	799.2	872.2	941.9	1007.7	1068.7	1128.1	1183.1	1229.4	1257.4
-62.5°	485.9	550.4	614.3	675.2	733.9	791.0	856.1	918.8	978.5	1027.1	1057.1
-65°	338.3	391.2	440.7	488.1	533.6	582.3	632.9	682.1	729.3	766.7	791.3
-67.5°	230.1	262.7	292.2	320.4	355.0	392.4	429.5	464.0	495.7	520.0	537.3
-70°	152.9	170.3	185.9	204.1	226.7	249.5	272.5	293.8	313.2	327.8	338.7
-72.5°	94.0	106.1	117.4	129.6	141.2	153.1	165.6	177.8	189.6	198.1	204.6
-75°	45.3	50.8	60.7	69.8	77.9	85.6	92.5	98.6	103.8	107.1	109.3
-77.5°	30.9	33.4	35.8	38.3	40.8	43.9	47.0	50.0	52.9	55.1	57.1
-80°	22.3	23.6	24.7	25.7	26.6	27.9	29.3	30.7	32.1	32.6	33.0
-82.5°	15.4	16.4	17.5	18.5	19.4	20.4	21.2	22.1	22.9	23.6	24.2
-85°	10.4	10.9	11.5	12.1	12.7	13.4	14.1	14.7	15.4	15.5	15.6
-87.5°	7.2	7.4	7.5	7.6	7.7	8.2	8.8	9.3	9.8	9.9	9.9
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.0



REPORT NUMBER: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.4
87.5°	2.0	2.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.4
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.6
75°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	2.9	3.3	3.5	3.5
72.5°	5.7	5.8	4.9	3.9	4.9	5.8	5.7	5.6	5.5	5.6	6.1
70°	6.5	6.0	5.9	5.9	5.9	6.0	6.5	6.9	7.2	7.7	8.5
67.5°	9.1	9.7	9.9	9.9	9.9	9.7	9.1	8.5	8.1	8.4	9.4
65°	11.0	11.6	10.9	9.9	10.9	11.6	11.0	10.3	9.6	9.6	10.1
62.5°	8.2	8.1	7.9	7.9	7.9	8.1	8.2	8.4	8.5	9.1	9.9
60°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.1	8.5
57.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
55°	8.9	9.6	9.9	9.9	9.9	9.6	8.9	8.3	7.9	8.2	8.2
52.5°	9.8	9.9	9.9	9.9	9.9	9.9	9.8	9.5	9.2	9.4	9.6
50°	12.3	11.9	11.8	11.8	11.8	11.9	12.3	12.4	12.3	12.1	11.8
47.5°	15.3	14.3	13.8	13.8	13.8	14.3	15.3	16.0	16.3	16.2	15.7
45°	23.9	23.6	23.5	23.7	23.5	23.6	23.9	23.8	24.3	23.6	21.1
42.5°	40.0	40.6	40.0	37.4	40.0	40.6	40.0	38.5	41.1	41.2	38.9
40°	66.1	63.5	60.1	59.1	60.1	63.5	66.1	66.0	68.6	69.4	67.9
37.5°	122.7	122.6	119.8	118.3	119.8	122.6	122.7	121.2	118.3	103.9	107.9
35°	258.0	256.0	242.0	228.6	242.0	256.0	258.0	266.9	253.8	200.0	229.4
32.5°	670.2	705.8	702.5	682.0	702.5	705.8	670.2	654.5	607.8	564.4	534.5
30°	1425.8	1489.5	1476.1	1391.6	1476.1	1489.5	1425.8	1372.1	1232.6	1150.5	1043.9
27.5°	2947.0	3096.1	3227.3	3055.1	3227.3	3096.1	2947.0	2914.9	2307.7	2561.6	1928.7
25°	10080.7	11050.1	11623.7	10732.3	11623.7	11050.1	10080.7	8381.1	6683.5	6603.6	5452.7
22.5°	24058.6	25266.8	25911.5	26279.9	25911.5	25266.8	24058.6	21500.9	18308.1	15023.0	12645.4
20°	44131.7	46715.1	48369.9	45036.4	48369.9	46715.1	44131.7	39456.6	34626.8	27790.3	22865.1
17.5°	74766.7	84294.2	89310.5	92035.9	89310.5	84294.2	74766.7	63799.3	55893.4	45673.8	35718.3
15°	113507.8	125698.1	133930.1	137153.0	133930.1	125698.1	113507.8	99009.2	80222.4	64686.5	49881.3
12.5°	150137.8	162716.4	170311.7	172220.8	170311.7	162716.4	150137.8	131032.0	106902.7	83556.9	63943.5
10°	176191.6	188043.6	196780.8	199847.9	196780.8	188043.6	176191.6	158806.0	131252.0	103692.4	74628.4
7.5°	190695.9	204550.0	212250.6	214167.6	212250.6	204550.0	190695.9	172666.3	147287.0	117468.4	86759.9
5°	199043.4	211560.8	219978.5	220999.2	219978.5	211560.8	199043.4	180921.5	156770.9	127465.0	94695.0
2.5°	204425.7	216667.3	223749.7	225831.2	223749.7	216667.3	204425.7	185901.8	162841.3	133908.6	98953.4
0°	205746.3	217001.9	225558.2	228221.1	225558.2	217001.9	205746.3	188492.8	165811.9	136206.9	100816.9
-2.5°	201747.4	212605.6	218305.1	219229.2	218305.1	212605.6	201747.4	184768.5	161957.7	134259.3	99872.7
-5°	191535.3	199565.7	206145.4	206987.1	206145.4	199565.7	191535.3	174445.9	152980.7	125329.4	93007.4
-7.5°	169843.2	178851.5	182490.7	183475.5	182490.7	178851.5	169843.2	156954.5	137583.3	112069.7	82727.5
-10°	146763.1	154480.4	157058.5	158450.1	157058.5	154480.4	146763.1	134764.7	116449.1	93509.2	68344.2
-12.5°	124167.5	131713.9	134249.6	136264.1	134249.6	131713.9	124167.5	110898.3	94223.8	73810.4	56313.2
-15°	98851.1	106282.3	110379.1	112647.1	110379.1	106282.3	98851.1	85886.9	70757.8	56815.3	43827.4
-17.5°	74177.6	81235.0	86003.3	88777.7	86003.3	81235.0	74177.6	62589.7	53458.9	43514.0	34114.6
-20°	56244.2	61020.6	64690.1	66867.6	64690.1	61020.6	56244.2	49611.2	42296.8	34662.6	27692.3



REPORT NUMBER: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	43935.2	47243.3	49369.0	50760.3	49369.0	47243.3	43935.2	39552.4	33933.3	28064.0	23061.9
-25°	34338.0	36509.1	37883.8	39008.9	37883.8	36509.1	34338.0	31356.2	27421.5	23602.6	19945.7
-27.5°	27188.4	28352.4	28960.1	29786.4	28960.1	28352.4	27188.4	25410.3	23221.0	19898.5	16700.6
-30°	21856.7	22749.9	23232.8	23412.0	23232.8	22749.9	21856.7	20429.6	18494.1	16109.6	13599.2
-32.5°	17591.0	18434.8	19044.2	19330.0	19044.2	18434.8	17591.0	16339.8	14675.8	12788.8	10840.3
-35°	14034.2	14738.1	15218.5	15482.5	15218.5	14738.1	14034.2	12939.1	11527.8	10003.4	8244.8
-37.5°	10381.6	11154.0	11682.8	11863.7	11682.8	11154.0	10381.6	9375.6	8160.8	6927.2	5593.2
-40°	6369.5	6861.6	7179.1	7312.6	7179.1	6861.6	6369.5	5709.6	4880.8	3934.8	3281.8
-42.5°	3447.7	3628.3	3753.7	3825.8	3753.7	3628.3	3447.7	3210.7	2906.7	2535.5	2237.0
-45°	2393.3	2439.0	2468.0	2479.6	2468.0	2439.0	2393.3	2335.8	2246.8	2137.9	2018.7
-47.5°	2181.9	2231.3	2257.5	2258.8	2257.5	2231.3	2181.9	2125.3	2047.9	1950.9	1846.5
-50°	1976.3	2030.1	2057.2	2059.7	2057.2	2030.1	1976.3	1912.4	1831.6	1733.4	1633.7
-52.5°	1716.4	1759.0	1777.5	1775.9	1777.5	1759.0	1716.4	1670.7	1620.5	1556.1	1488.1
-55°	1542.9	1568.3	1579.6	1580.8	1579.6	1568.3	1542.9	1513.7	1480.1	1422.9	1362.6
-57.5°	1402.4	1421.1	1427.7	1427.0	1427.7	1421.1	1402.4	1380.9	1357.1	1313.5	1267.9
-60°	1281.9	1302.4	1308.0	1304.8	1308.0	1302.4	1281.9	1257.4	1229.4	1183.1	1128.1
-62.5°	1081.6	1100.3	1109.6	1111.7	1109.6	1100.3	1081.6	1057.1	1027.1	978.5	918.8
-65°	810.7	824.7	832.1	833.8	832.1	824.7	810.7	791.3	766.7	729.3	682.1
-67.5°	550.6	560.1	563.1	561.7	563.1	560.1	550.6	537.3	520.0	495.7	464.0
-70°	347.5	354.1	355.7	354.8	355.7	354.1	347.5	338.7	327.8	313.2	293.8
-72.5°	209.9	213.9	214.2	212.9	214.2	213.9	209.9	204.6	198.1	189.6	177.8
-75°	110.6	111.2	111.1	110.4	111.1	111.2	110.6	109.3	107.1	103.8	98.6
-77.5°	58.9	60.5	60.0	59.1	60.0	60.5	58.9	57.1	55.1	52.9	50.0
-80°	33.2	33.4	33.5	33.5	33.5	33.4	33.2	33.0	32.6	32.1	30.7
-82.5°	24.9	25.5	24.6	23.7	24.6	25.5	24.9	24.2	23.6	22.9	22.1
-85°	15.7	15.8	15.8	15.8	15.8	15.8	15.7	15.6	15.5	15.4	14.7
-87.5°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.8	9.3
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.0



REPORT NUMBER: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	6.9	6.4	5.9	5.4	4.9	4.4	3.9	3.9	3.9	3.9	3.9
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.3	2.6	2.8	2.9	2.7	2.6	2.4	2.2
80°	2.8	3.0	3.2	3.3	3.4	3.6	3.9	3.9	3.9	3.8	3.5
77.5°	3.0	3.5	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8
75°	3.6	3.7	4.0	4.3	4.3	4.0	3.9	3.9	3.9	3.9	3.8
72.5°	6.4	6.3	6.3	6.6	6.6	7.0	7.1	6.8	6.0	4.8	3.9
70°	9.3	10.1	11.3	12.5	13.0	13.0	12.6	11.9	11.1	10.3	8.2
67.5°	10.4	11.5	14.0	16.8	18.6	19.6	19.5	18.4	17.2	16.1	13.0
65°	10.8	11.6	14.9	18.3	21.6	24.5	27.0	27.0	25.8	23.1	17.7
62.5°	10.7	11.6	14.6	17.8	21.6	26.9	33.2	36.1	36.3	31.7	24.6
60°	9.1	10.3	13.0	16.1	19.4	27.0	36.8	44.1	49.0	41.8	31.7
57.5°	7.9	8.8	11.2	13.9	16.9	25.5	36.8	49.6	57.8	48.1	38.9
55°	8.0	8.7	10.2	11.9	14.5	22.3	32.7	45.2	54.0	50.3	40.2
52.5°	9.7	9.9	10.4	11.2	13.5	18.4	25.6	37.2	43.3	41.6	37.8
50°	11.6	11.7	11.6	11.6	13.0	15.3	20.4	28.3	31.3	32.8	31.1
47.5°	15.5	15.2	14.0	13.5	14.6	14.4	17.1	20.5	24.4	24.7	24.8
45°	23.0	23.2	20.3	20.6	20.9	20.3	17.5	20.2	22.0	22.7	20.0
42.5°	39.6	38.4	36.3	34.5	33.0	31.4	29.0	27.6	25.6	24.5	24.4
40°	64.1	60.4	58.9	54.9	50.4	46.6	48.9	42.9	37.4	31.0	34.5
37.5°	101.6	85.5	96.4	87.1	77.1	76.8	80.3	70.7	55.4	59.6	57.6
35°	191.4	172.2	181.0	163.1	127.1	147.5	133.4	112.8	101.2	109.2	95.5
32.5°	440.9	426.1	367.4	322.8	292.4	271.1	237.2	182.0	189.7	185.1	158.1
30°	993.1	937.5	735.1	692.6	659.8	483.4	387.6	358.8	330.2	281.9	237.7
27.5°	2355.3	1974.4	1632.1	1655.9	1331.3	962.6	704.4	578.3	507.8	425.7	344.8
25°	5617.8	4745.4	4047.9	3637.4	2777.2	1888.2	1319.1	946.3	731.9	603.8	497.2
22.5°	11063.9	9555.4	7985.5	6567.0	5104.7	3745.3	2508.7	1427.5	979.2	806.6	676.4
20°	18061.5	15224.9	12783.4	10382.4	8118.3	5922.7	4104.6	2360.2	1376.6	1015.1	852.1
17.5°	27510.5	21642.9	17584.6	14228.0	11422.7	8727.6	5833.9	3387.3	1750.8	1217.2	1019.8
15°	37723.9	28508.4	22416.6	18242.7	14502.8	10617.9	7344.5	4362.1	2249.4	1484.2	1183.1
12.5°	47514.0	35568.5	26849.5	21177.6	16447.1	12225.3	8806.0	5602.4	3005.8	1725.3	1283.5
10°	55231.2	41349.8	30641.1	23718.2	18390.9	13692.1	9940.3	6468.6	3489.9	1914.1	1368.0
7.5°	62342.4	45734.3	33676.4	25615.6	20024.5	15047.2	10826.6	7074.0	3797.3	2074.2	1437.7
5°	66809.1	48924.6	35861.5	26685.0	21131.2	16161.5	11614.4	7492.3	3947.6	2203.1	1493.6
2.5°	69164.7	50685.7	37268.1	27220.6	21739.2	16890.1	12235.0	7782.2	4038.4	2256.4	1514.6
0°	71002.9	51483.6	37374.9	27334.4	21841.1	17020.0	12610.7	7923.6	4064.3	2264.7	1525.6
-2.5°	69524.4	50735.8	37022.5	27000.1	21510.6	16729.0	12476.1	8139.5	4185.8	2297.8	1534.2
-5°	65333.2	47895.0	34683.9	25381.9	20217.0	15776.9	11805.4	7867.0	4143.6	2278.7	1532.2
-7.5°	59176.9	43286.2	31348.2	23304.3	18522.7	14446.3	10748.1	7127.1	3877.1	2159.1	1488.5
-10°	50361.5	37091.7	26958.4	20670.7	16435.6	12903.7	9565.2	6269.8	3502.7	2005.1	1435.4
-12.5°	41725.7	30568.9	22307.7	17542.1	13889.9	10920.9	8143.3	5300.7	3020.5	1818.4	1373.9
-15°	32230.4	24210.8	18948.5	14884.0	11458.2	9000.7	6665.6	4224.9	2438.7	1609.1	1304.4
-17.5°	26211.3	19580.4	15918.5	12820.7	9935.3	7329.7	5352.7	3475.0	2080.9	1461.6	1254.1
-20°	21687.8	17614.4	14093.1	11246.7	8737.4	6396.6	4299.8	2730.9	1813.0	1401.3	1218.6



REPORT NUMBER: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	19293.5	15994.6	12824.6	9945.0	7591.2	5417.6	3537.1	2162.9	1526.9	1338.6	1176.1
-25°	16873.8	14196.1	11400.6	8747.8	6374.0	4265.4	2694.0	1863.7	1461.3	1280.1	1126.2
-27.5°	14142.7	11848.5	9659.8	7205.2	4976.0	3244.6	2135.4	1587.6	1403.7	1235.3	1067.4
-30°	11300.4	9416.6	7485.1	5433.7	3692.0	2392.3	1742.8	1516.5	1347.1	1183.8	1013.8
-32.5°	8788.2	7097.2	5373.3	3832.5	2591.2	1918.7	1628.1	1442.3	1286.6	1118.3	983.8
-35°	6508.3	4963.3	3562.2	2634.1	1986.6	1732.9	1547.2	1381.0	1208.0	1055.1	956.0
-37.5°	4219.7	3131.6	2490.4	1967.9	1800.9	1633.0	1471.7	1295.8	1123.0	1017.5	925.5
-40°	2720.6	2151.2	1974.6	1819.2	1676.4	1540.7	1364.0	1191.6	1084.4	977.0	892.0
-42.5°	2094.4	1950.9	1815.2	1685.3	1551.5	1397.0	1249.8	1148.7	1046.1	946.1	870.9
-45°	1905.7	1788.9	1667.0	1536.4	1396.8	1290.6	1202.0	1105.5	1008.1	927.8	855.9
-47.5°	1731.5	1616.0	1498.3	1402.4	1311.3	1225.5	1144.9	1061.2	984.8	907.9	798.1
-50°	1544.9	1465.2	1386.3	1309.6	1232.2	1155.5	1092.2	1034.0	945.3	838.2	727.6
-52.5°	1417.4	1350.4	1283.5	1216.8	1161.9	1107.0	1049.0	960.4	863.0	749.3	635.2
-55°	1299.3	1248.6	1203.0	1158.1	1106.2	1025.9	944.2	852.6	749.5	640.7	537.2
-57.5°	1222.6	1170.3	1106.8	1044.2	983.0	896.1	801.6	710.4	624.2	527.7	434.9
-60°	1068.7	1007.7	941.9	872.2	799.2	720.6	642.9	566.3	491.1	413.3	336.0
-62.5°	856.1	791.0	733.9	675.2	614.3	550.4	485.9	424.3	361.9	298.8	247.5
-65°	632.9	582.3	533.6	488.1	440.7	391.2	338.3	293.8	253.9	212.1	170.3
-67.5°	429.5	392.4	355.0	320.4	292.2	262.7	230.1	195.7	170.2	148.9	126.1
-70°	272.5	249.5	226.7	204.1	185.9	170.3	152.9	134.9	117.1	100.4	82.8
-72.5°	165.6	153.1	141.2	129.6	117.4	106.1	94.0	81.0	67.6	53.6	43.5
-75°	92.5	85.6	77.9	69.8	60.7	50.8	45.3	41.8	38.1	34.0	29.7
-77.5°	47.0	43.9	40.8	38.3	35.8	33.4	30.9	27.9	25.7	23.6	21.8
-80°	29.3	27.9	26.6	25.7	24.7	23.6	22.3	20.7	19.1	17.7	16.6
-82.5°	21.2	20.4	19.4	18.5	17.5	16.4	15.4	14.6	13.8	13.1	12.5
-85°	14.1	13.4	12.7	12.1	11.5	10.9	10.4	10.0	9.5	8.9	8.3
-87.5°	8.8	8.2	7.7	7.6	7.5	7.4	7.2	6.7	6.2	5.7	5.3
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



REPORT NUMBER: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0
80°	2.9	2.5	2.2	2.0	2.1	2.0	2.0	2.0	2.3	2.4	2.3
77.5°	3.3	2.8	2.3	2.1	2.4	2.5	2.5	2.3	2.5	2.7	2.7
75°	3.3	2.8	2.3	2.2	2.6	3.1	3.2	3.0	3.0	3.1	3.2
72.5°	3.7	3.2	2.6	2.2	2.7	3.2	3.6	3.8	3.5	3.4	3.6
70°	6.0	4.3	3.6	3.1	3.0	3.2	3.7	3.9	3.9	3.7	3.7
67.5°	9.9	7.4	5.5	4.1	3.6	3.6	3.8	3.9	3.9	3.9	3.8
65°	14.1	10.7	7.7	5.7	4.4	3.8	3.9	3.9	3.9	3.9	3.9
62.5°	18.7	14.2	10.6	7.4	5.2	4.2	3.9	3.9	3.9	3.9	3.9
60°	23.6	17.7	13.5	9.8	6.6	4.4	3.9	3.9	3.9	3.9	3.9
57.5°	28.8	20.8	16.1	12.1	8.5	5.3	3.9	3.9	3.9	3.9	3.9
55°	32.3	24.4	18.7	14.1	10.2	6.7	4.5	3.9	3.9	3.9	3.9
52.5°	30.7	26.4	21.8	16.2	11.7	8.3	6.0	3.9	3.9	3.9	3.9
50°	26.7	26.0	23.5	18.6	13.1	10.0	7.5	5.1	3.9	3.9	3.9
47.5°	24.0	24.9	23.7	20.4	15.0	11.7	9.2	6.4	3.9	3.9	3.9
45°	22.8	23.2	23.5	21.0	17.3	13.9	10.9	7.7	5.0	4.0	3.9
42.5°	23.5	23.7	22.5	21.9	19.4	15.9	12.7	9.3	6.1	4.1	4.0
40°	31.8	26.5	22.9	23.5	21.8	17.8	14.4	11.0	7.2	4.6	4.1
37.5°	43.8	35.1	27.1	29.4	25.4	20.3	15.9	12.7	8.5	5.6	4.3
35°	73.4	49.1	45.3	43.0	33.7	23.0	17.2	14.2	10.0	6.6	4.6
32.5°	111.7	86.1	81.6	65.3	45.0	26.1	19.3	15.6	11.5	7.5	4.8
30°	184.7	162.3	129.8	93.6	61.9	36.7	22.7	17.3	12.9	8.4	5.3
27.5°	303.9	253.5	192.8	138.2	89.1	50.4	27.8	19.3	14.3	9.4	6.0
25°	434.5	364.4	280.6	193.9	120.1	78.3	33.7	21.7	15.7	10.5	6.7
22.5°	579.0	484.4	378.3	256.6	171.9	114.1	48.3	26.3	17.4	11.5	7.3
20°	729.6	609.4	479.2	321.2	231.0	158.7	74.4	31.3	19.2	12.4	7.9
17.5°	884.8	720.0	554.3	392.3	287.8	205.4	104.5	36.7	21.1	13.3	8.5
15°	990.0	805.8	625.5	457.4	339.2	253.4	137.5	42.2	23.0	14.1	9.1
12.5°	1074.3	887.4	692.4	516.5	385.5	302.0	172.4	47.8	24.9	15.3	10.0
10°	1149.6	964.0	754.5	569.6	427.2	350.3	208.1	53.7	28.2	17.1	10.8
7.5°	1216.1	1034.7	811.2	616.8	461.3	384.6	230.8	59.8	31.7	18.9	11.7
5°	1267.7	1086.2	848.4	638.1	472.5	402.1	248.0	65.4	35.1	20.6	12.4
2.5°	1283.1	1110.3	871.2	650.9	481.6	415.8	261.1	70.4	38.4	22.2	13.1
0°	1291.0	1125.5	887.0	658.3	488.8	425.7	270.0	74.9	41.4	23.7	13.8
-2.5°	1297.6	1130.3	895.3	671.6	503.5	433.5	284.8	96.5	55.9	31.8	17.5
-5°	1297.6	1126.7	896.5	679.8	516.1	438.1	295.7	117.1	69.7	39.6	21.0
-7.5°	1271.2	1102.0	884.6	682.6	525.9	440.1	303.1	136.2	82.6	46.8	24.3
-10°	1233.9	1061.9	858.5	678.4	538.4	446.5	308.4	153.5	94.2	53.2	27.3
-12.5°	1190.6	1015.9	831.1	672.3	550.6	457.0	316.7	168.8	104.1	58.7	29.9
-15°	1141.6	964.9	804.2	665.3	561.8	465.7	320.9	181.3	111.8	63.1	32.1
-17.5°	1092.5	909.4	779.3	658.1	572.5	472.8	320.9	190.6	117.5	66.5	34.2
-20°	1052.5	875.0	758.7	651.6	582.9	478.9	316.9	196.2	121.1	68.7	36.1



REPORT NUMBER: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1006.7	860.6	751.2	656.7	589.6	484.1	308.7	198.0	122.5	69.4	37.3
-25°	957.3	845.4	743.2	662.0	590.5	471.1	303.3	195.5	121.3	68.7	37.8
-27.5°	928.8	830.5	733.4	663.3	579.7	453.2	299.8	193.8	118.6	66.4	37.6
-30°	909.4	816.8	729.3	657.2	564.7	420.8	290.5	188.8	115.8	64.8	36.7
-32.5°	889.8	801.7	722.8	637.4	531.4	386.8	272.0	180.4	110.8	63.6	35.9
-35°	867.2	786.7	710.0	612.6	490.4	360.5	250.7	168.3	103.6	61.3	34.7
-37.5°	841.3	771.1	678.2	575.9	448.2	329.9	230.8	153.4	94.1	57.8	32.8
-40°	824.6	745.5	643.6	528.9	408.7	295.0	207.2	138.3	87.3	53.2	30.3
-42.5°	805.1	702.7	594.2	480.6	366.1	264.9	180.9	121.0	79.7	49.0	27.1
-45°	753.1	649.0	535.8	426.5	320.4	230.7	159.2	103.0	70.9	44.5	24.1
-47.5°	691.3	579.8	472.2	368.0	277.5	195.4	135.0	92.1	61.3	39.1	21.9
-50°	610.3	505.4	404.1	313.2	230.0	165.4	111.7	80.1	53.3	32.3	19.3
-52.5°	526.8	426.8	338.6	257.7	190.6	132.6	97.0	67.4	44.5	27.4	16.3
-55°	437.9	352.0	274.5	208.5	151.0	111.2	81.2	56.1	34.9	23.2	13.3
-57.5°	353.1	278.5	217.5	161.6	121.4	91.9	65.9	43.8	28.7	18.8	12.6
-60°	268.5	214.9	162.6	127.1	98.0	72.6	50.5	33.0	23.5	15.0	11.8
-62.5°	198.1	155.5	127.1	99.1	75.1	53.8	35.9	26.8	18.0	13.9	10.9
-65°	144.3	118.9	94.4	73.0	52.9	37.2	28.7	20.5	15.7	12.6	10.0
-67.5°	103.5	83.7	65.4	47.2	36.7	28.7	21.3	17.2	14.1	11.3	9.0
-70°	65.7	49.8	41.2	34.0	26.8	20.7	18.0	15.1	12.4	10.2	7.9
-72.5°	38.9	34.0	28.6	23.0	20.5	18.0	15.5	13.1	11.1	9.0	6.9
-75°	25.5	23.3	21.6	19.8	17.6	15.3	13.3	11.6	9.7	7.8	6.2
-77.5°	20.4	19.1	17.9	16.3	14.3	12.6	11.3	10.1	8.4	6.8	5.5
-80°	15.7	14.7	13.5	12.1	10.8	9.9	9.3	8.5	7.1	5.9	4.8
-82.5°	11.4	10.4	9.5	8.8	8.3	7.9	7.4	6.9	5.9	4.9	4.3
-85°	7.8	7.3	6.9	6.5	6.2	5.9	5.7	5.6	5.0	4.6	4.2
-87.5°	5.3	5.2	5.1	5.0	5.0	4.9	4.8	4.7	4.5	4.2	4.0
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



REPORT NUMBER: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	3.9	3.9	3.9	3.9	3.9	3.9	3.9
87.5°	2.0	2.1	2.2	2.2	2.2	3.0	3.9
85°	2.0	2.2	2.3	2.4	2.3	3.0	3.9
82.5°	2.0	2.3	2.5	2.6	2.5	3.1	3.9
80°	2.1	2.4	2.7	2.8	2.7	3.1	3.9
77.5°	2.6	2.6	2.9	2.9	2.8	3.2	3.9
75°	3.1	2.9	3.0	3.1	3.0	3.2	3.9
72.5°	3.5	3.2	3.2	3.3	3.2	3.3	3.9
70°	3.9	3.5	3.4	3.5	3.3	3.3	3.9
67.5°	3.9	3.8	3.5	3.6	3.5	3.4	3.9
65°	3.9	3.9	3.7	3.6	3.6	3.4	3.9
62.5°	3.9	3.9	3.8	3.7	3.8	3.4	3.9
60°	3.9	3.9	3.9	3.8	3.9	3.5	3.9
57.5°	3.9	3.9	3.9	3.8	3.9	3.5	3.9
55°	3.9	3.9	3.9	3.8	3.9	3.6	3.9
52.5°	3.9	3.9	3.9	3.9	3.9	3.6	3.9
50°	3.9	3.9	3.9	3.9	3.9	3.6	3.9
47.5°	3.9	3.9	3.9	3.9	3.9	3.7	3.9
45°	3.9	3.9	3.9	3.9	3.9	3.7	3.9
42.5°	3.9	3.9	3.9	3.9	3.9	3.7	3.9
40°	3.9	3.9	3.9	3.9	3.9	3.8	3.9
37.5°	3.9	3.9	3.9	3.9	3.9	3.8	3.9
35°	3.9	3.9	3.9	3.9	3.9	3.8	3.9
32.5°	4.0	3.9	3.9	3.9	3.9	3.8	3.9
30°	4.2	3.9	3.9	3.9	3.9	3.8	3.9
27.5°	4.4	3.9	3.9	3.9	3.9	3.9	3.9
25°	4.6	3.9	3.9	3.9	3.9	3.9	3.9
22.5°	4.9	3.9	3.9	3.9	3.9	3.9	3.9
20°	5.1	4.1	3.9	3.9	3.9	3.9	3.9
17.5°	5.5	4.3	3.9	3.9	3.9	3.9	3.9
15°	5.9	4.5	3.9	3.9	3.9	3.9	3.9
12.5°	6.3	4.7	3.9	3.9	3.9	3.9	3.9
10°	6.6	4.9	3.9	3.9	3.9	3.9	3.9
7.5°	7.0	5.2	3.9	3.9	3.9	3.9	3.9
5°	7.3	5.4	3.9	3.9	3.9	3.9	3.9
2.5°	7.6	5.7	3.9	3.9	3.9	3.9	3.9
0°	7.9	5.9	3.9	3.9	3.9	3.9	3.9
-2.5°	9.7	6.5	4.1	3.9	3.9	3.9	3.9
-5°	11.5	7.2	4.2	3.9	3.9	3.9	3.9
-7.5°	13.2	7.7	4.4	3.9	3.9	3.9	3.9
-10°	14.7	8.2	4.6	3.9	3.9	3.9	3.9
-12.5°	16.0	8.6	4.7	3.9	3.9	3.9	3.9
-15°	17.1	9.0	4.8	3.9	3.9	3.9	3.9
-17.5°	18.0	9.2	4.9	3.9	3.9	3.9	3.9
-20°	18.7	9.4	4.9	3.9	3.9	3.9	3.9



REPORT NUMBER: P701591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	19.4	9.4	5.0	3.9	3.9	3.9	3.9
-25°	19.7	9.5	5.0	3.9	3.9	3.9	3.9
-27.5°	19.6	9.4	4.9	3.9	3.9	3.9	3.9
-30°	19.1	9.3	4.8	3.9	3.9	3.9	3.9
-32.5°	18.2	8.9	4.9	3.9	3.9	3.9	3.9
-35°	17.5	8.4	4.9	3.9	3.9	3.9	3.9
-37.5°	16.8	7.9	4.9	3.9	3.9	3.9	3.9
-40°	15.8	7.9	4.9	3.9	3.9	3.9	3.9
-42.5°	14.5	7.8	4.9	3.9	3.9	3.9	3.9
-45°	12.9	7.7	5.0	4.0	3.9	3.9	3.9
-47.5°	11.1	7.5	5.1	4.0	3.9	3.9	3.9
-50°	10.6	7.3	5.0	4.0	3.9	3.9	3.9
-52.5°	10.2	7.0	5.0	4.1	3.9	3.9	3.9
-55°	9.7	6.8	4.9	4.1	3.9	3.9	3.9
-57.5°	9.2	6.5	4.8	4.1	3.9	3.9	3.9
-60°	8.7	6.2	4.6	4.0	3.9	3.9	3.9
-62.5°	8.1	5.8	4.6	4.0	3.9	3.9	3.9
-65°	7.4	5.4	4.5	4.0	3.9	3.9	3.9
-67.5°	6.7	5.1	4.3	4.0	3.9	3.9	3.9
-70°	5.8	4.8	4.2	3.9	3.9	3.9	3.9
-72.5°	5.4	4.6	4.1	3.9	3.9	3.9	3.9
-75°	4.9	4.3	3.9	3.9	3.9	3.9	3.9
-77.5°	4.4	4.0	3.9	3.9	3.9	3.9	3.9
-80°	4.0	3.9	3.9	3.9	3.9	3.9	3.9
-82.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-85°	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-87.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-90°	2.0	2.0	2.0	2.0	2.0	3.0	3.9

(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

