

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: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-80-4S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701447 (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-08-0320L-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

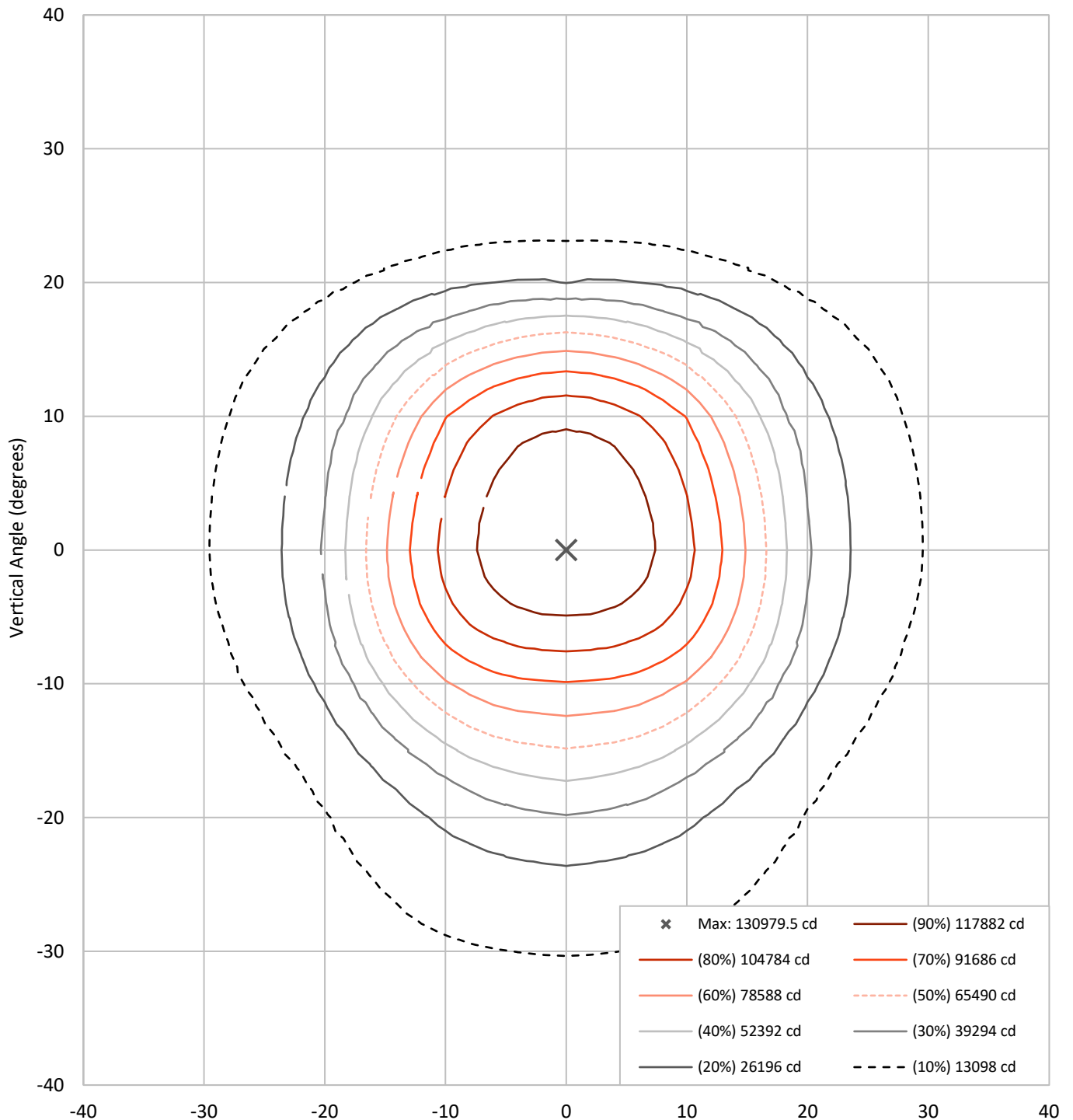
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	44627.4 lumens	Max Intensity:	130979.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	129.7 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:	24390.6 lumens	Field Lumens:	39301.2 lumens
Beam Efficiency:	54.7%	Field Efficiency:	88.1%

Input Watts (W): 344.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-CV1-S

Iso-Candela Plot





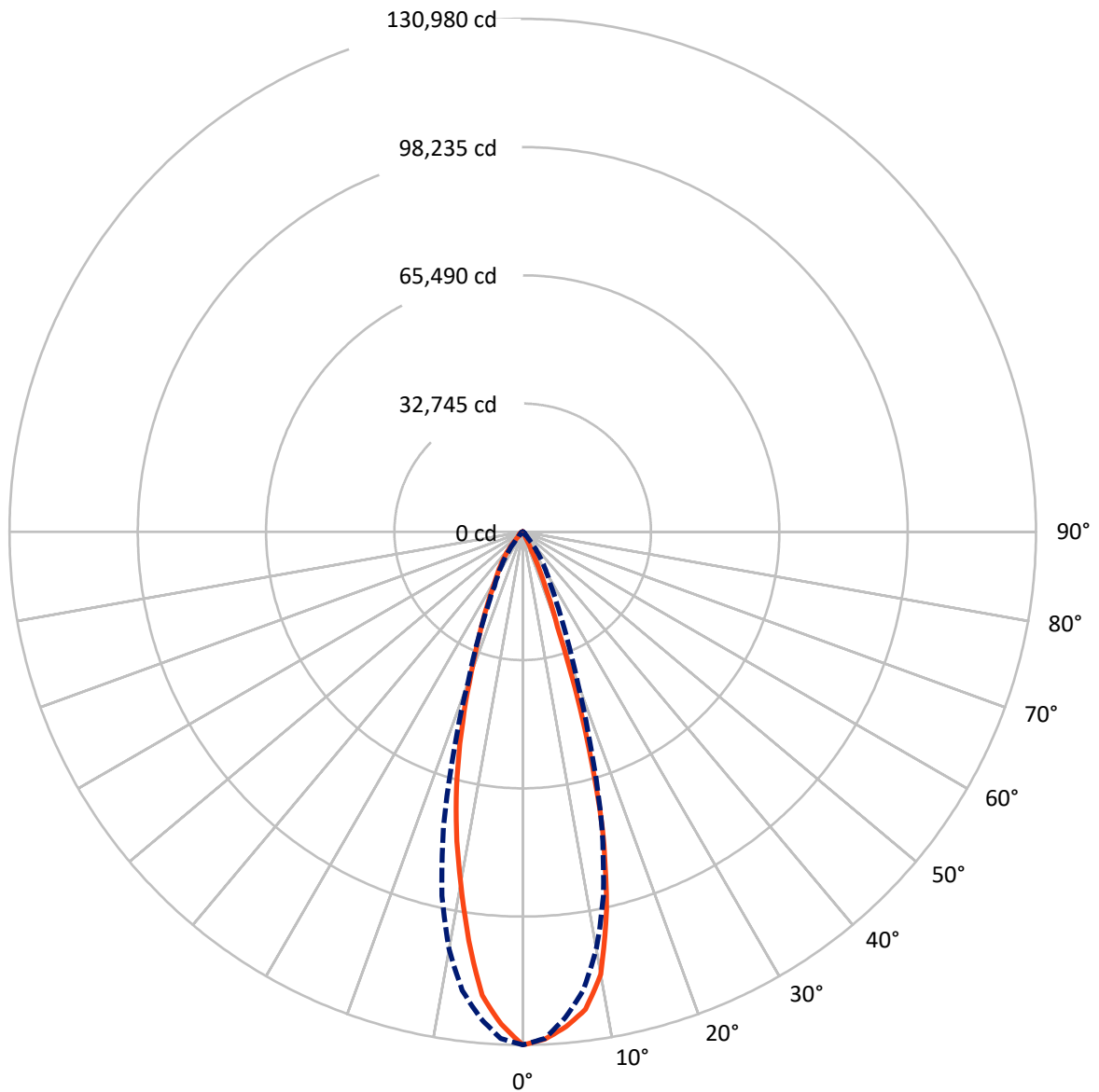
REPORT NUMBER: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-CV1-S

Lumen Table

90															
80	0.0	0.1		0.2		0.2		0.2		0.2		0.1		0.0	
70															
60	0.0	0.0	0.1	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.2	0.1	0.0
50		0.0	0.1	0.5	0.4	0.2	0.1	0.2	0.2	0.1	0.2	0.4	0.5	0.1	0.0
40	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.1
30		0.1	0.5	1.3	2.4	4.2	6.4	7.9	7.9	6.4	4.2	2.4	1.3	0.5	0.1
20	0.1	0.2	2.2	6.7	26.5	82.7	165.6	268.9	268.9	165.6	82.7	26.5	6.7	2.2	0.2
10		0.7	5.0	16.2	109.5	373.9	1116.0	2080.6	2080.6	1116.0	373.9	109.5	16.2	5.0	0.7
0	0.1	1.1	6.8	23.1	170.6	607.6	2083.4	3568.4	3568.4	2083.4	607.6	170.6	23.1	6.8	1.1
-10		1.4	7.3	23.8	168.4	586.1	2016.5	3321.6	3321.6	2016.5	586.1	168.4	23.8	7.3	1.4
-20	0.3	1.7	7.0	18.3	100.1	331.1	1017.6	1814.0	1814.0	1017.6	331.1	100.1	18.3	7.0	1.7
-30		1.7	6.7	14.1	47.1	179.5	413.5	659.7	659.7	413.5	179.5	47.1	14.1	6.7	1.7
-40	0.2	1.4	6.0	12.1	23.3	66.7	167.0	253.7	253.7	167.0	66.7	23.3	12.1	6.0	1.4
-50		0.9	4.4	10.3	17.4	26.6	40.4	54.8	54.8	40.4	26.6	17.4	10.3	4.4	0.9
-60	0.1	0.5	2.3	6.7	13.1	18.8	24.2	27.7	27.7	24.2	18.8	13.1	6.7	2.3	0.5
-70		0.2	0.8	2.4	5.2	8.8	12.3	14.3	14.3	12.3	8.8	5.2	2.4	0.8	0.2
-80	0.1	0.4		1.7		4.2		5.6		4.2		1.7		0.4	0.1
-90															

REPORT NUMBER: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-CV1-S

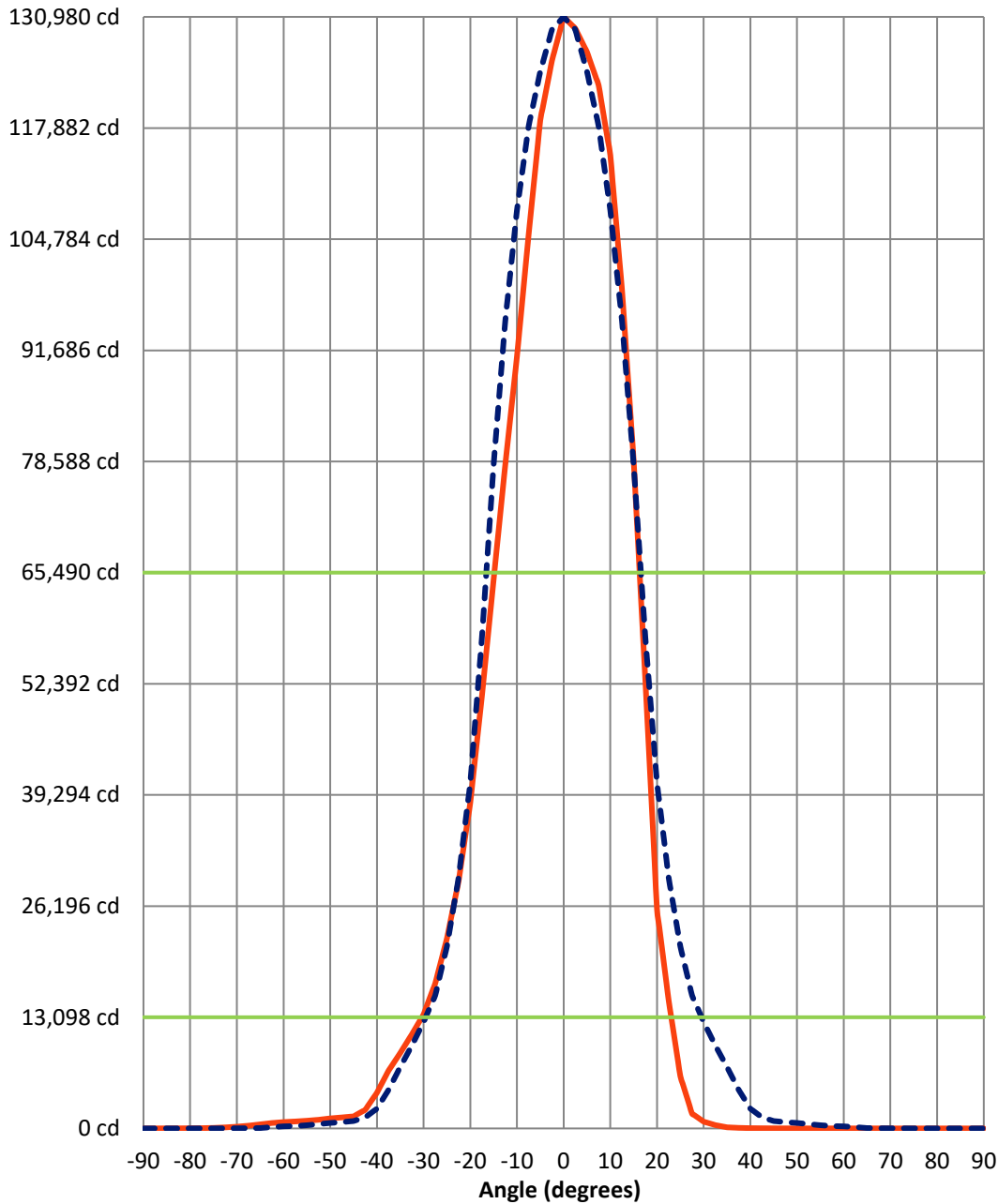
Luminous Intensity Polar Plot



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

REPORT NUMBER: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-CV1-S

Luminous Intensity Plot



Beam:
 H Angle: 33.1°
 V Angle: 31.1°
 Lumens: 24390.6
 Efficiency: 54.7%

Field:
 H Angle: 59.1°
 V Angle: 53.4°
 Lumens: 39301.2
 Efficiency: 88.1%

Spill:
 Lumens: 5326.2
 Efficiency: 11.9%

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



REPORT NUMBER: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
87.5°	2.3	1.7	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1
85°	2.3	1.8	1.3	1.3	1.3	1.2	1.1	1.1	1.1	1.1	1.1
82.5°	2.3	1.8	1.4	1.5	1.4	1.3	1.1	1.1	1.1	1.1	1.1
80°	2.3	1.8	1.5	1.6	1.5	1.4	1.2	1.3	1.3	1.3	1.1
77.5°	2.3	1.8	1.6	1.7	1.6	1.5	1.5	1.6	1.6	1.4	1.3
75°	2.3	1.9	1.7	1.8	1.8	1.7	1.8	1.9	1.8	1.7	1.8
72.5°	2.3	1.9	1.8	1.9	1.9	1.9	2.1	2.1	2.0	2.0	2.2
70°	2.3	1.9	1.9	2.1	2.0	2.1	2.3	2.2	2.2	2.3	2.3
67.5°	2.3	2.0	2.0	2.1	2.1	2.2	2.3	2.2	2.3	2.3	2.3
65°	2.3	2.0	2.1	2.1	2.1	2.3	2.3	2.3	2.3	2.3	2.3
62.5°	2.3	2.0	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3
60°	2.3	2.0	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3
57.5°	2.3	2.1	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3
55°	2.3	2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
52.5°	2.3	2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
50°	2.3	2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.0
47.5°	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.7
45°	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9	4.4
42.5°	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.4	3.5	5.3
40°	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.4	2.7	4.1	6.3
37.5°	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.5	3.2	4.8	7.3
35°	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.7	3.8	5.7	8.1
32.5°	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.8	4.3	6.6	9.0
30°	2.3	2.3	2.3	2.3	2.3	2.3	2.4	3.1	4.8	7.4	10.0
27.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.6	3.5	5.4	8.1	11.1
25°	2.3	2.3	2.3	2.3	2.3	2.3	2.7	3.9	6.0	9.0	12.4
22.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.8	4.2	6.6	10.0	15.1
20°	2.3	2.3	2.3	2.3	2.3	2.4	3.0	4.6	7.1	11.0	18.0
17.5°	2.3	2.3	2.3	2.3	2.3	2.5	3.2	4.9	7.6	12.1	21.0
15°	2.3	2.3	2.3	2.3	2.3	2.6	3.4	5.3	8.0	13.1	24.2
12.5°	2.3	2.3	2.3	2.3	2.3	2.7	3.6	5.7	8.8	14.2	27.4
10°	2.3	2.3	2.3	2.3	2.3	2.9	3.8	6.2	9.8	16.2	30.8
7.5°	2.3	2.3	2.3	2.3	2.3	3.0	4.0	6.7	10.8	18.2	34.3
5°	2.3	2.3	2.3	2.3	2.3	3.1	4.2	7.1	11.8	20.2	37.5
2.5°	2.3	2.3	2.3	2.3	2.3	3.3	4.3	7.5	12.7	22.1	40.4
0°	2.3	2.3	2.3	2.3	2.3	3.4	4.5	7.9	13.6	23.8	43.0
-2.5°	2.3	2.3	2.3	2.3	2.4	3.8	5.5	10.0	18.3	32.1	55.4
-5°	2.3	2.3	2.3	2.3	2.5	4.1	6.6	12.0	22.7	40.0	67.2
-7.5°	2.3	2.3	2.3	2.3	2.6	4.4	7.5	13.9	26.9	47.4	78.2
-10°	2.3	2.3	2.3	2.3	2.7	4.7	8.4	15.7	30.5	54.1	88.1
-12.5°	2.3	2.3	2.3	2.3	2.7	5.0	9.1	17.2	33.7	59.8	96.9
-15°	2.3	2.3	2.3	2.3	2.8	5.2	9.8	18.4	36.2	64.2	104.1
-17.5°	2.3	2.3	2.3	2.3	2.8	5.3	10.3	19.7	38.2	67.5	109.4
-20°	2.3	2.3	2.3	2.3	2.9	5.4	10.7	20.7	39.4	69.5	112.7



REPORT NUMBER: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°	2.3	2.3	2.3	2.3	2.9	5.4	11.1	21.4	39.8	70.3	113.7
-25°	2.3	2.3	2.3	2.3	2.9	5.4	11.3	21.7	39.4	69.6	112.2
-27.5°	2.3	2.3	2.3	2.3	2.9	5.4	11.3	21.6	38.1	68.1	111.2
-30°	2.3	2.3	2.3	2.3	2.8	5.3	11.0	21.0	37.2	66.5	108.4
-32.5°	2.3	2.3	2.3	2.3	2.9	5.1	10.4	20.5	36.5	63.6	103.5
-35°	2.3	2.3	2.3	2.3	2.9	4.8	10.0	19.9	35.2	59.4	96.5
-37.5°	2.3	2.3	2.3	2.3	2.9	4.5	9.6	18.8	33.2	54.0	88.0
-40°	2.3	2.3	2.3	2.3	2.9	4.5	9.1	17.4	30.5	50.1	79.4
-42.5°	2.3	2.3	2.3	2.3	2.9	4.5	8.3	15.5	28.1	45.7	69.5
-45°	2.3	2.3	2.3	2.3	2.9	4.4	7.4	13.8	25.5	40.7	59.1
-47.5°	2.3	2.3	2.3	2.4	2.9	4.3	6.4	12.6	22.4	35.1	52.8
-50°	2.3	2.3	2.3	2.4	2.9	4.2	6.1	11.1	18.6	30.6	45.9
-52.5°	2.3	2.3	2.3	2.4	2.9	4.0	5.9	9.3	15.7	25.6	38.6
-55°	2.3	2.3	2.3	2.4	2.9	3.9	5.6	7.6	13.3	20.0	32.2
-57.5°	2.3	2.3	2.3	2.4	2.8	3.8	5.3	7.2	10.8	16.5	25.1
-60°	2.3	2.3	2.3	2.4	2.7	3.6	5.0	6.8	8.6	13.5	19.0
-62.5°	2.3	2.3	2.3	2.4	2.7	3.4	4.7	6.3	8.0	10.3	15.4
-65°	2.3	2.3	2.3	2.4	2.6	3.1	4.3	5.7	7.3	9.0	11.7
-67.5°	2.3	2.3	2.3	2.3	2.5	3.0	3.8	5.2	6.5	8.1	9.8
-70°	2.3	2.3	2.3	2.3	2.5	2.8	3.4	4.6	5.8	7.1	8.7
-72.5°	2.3	2.3	2.3	2.3	2.4	2.7	3.1	4.0	5.2	6.3	7.5
-75°	2.3	2.3	2.3	2.3	2.3	2.5	2.9	3.6	4.5	5.6	6.7
-77.5°	2.3	2.3	2.3	2.3	2.3	2.4	2.6	3.2	4.0	4.8	5.8
-80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.8	3.4	4.1	4.9
-82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.5	2.9	3.4	4.0
-85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.5	2.7	2.9	3.2
-87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.5	2.6	2.8
-90°	2.3	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



REPORT NUMBER: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.4	1.5	1.6
80°	1.1	1.1	1.1	1.1	1.2	1.4	1.7	2.0	2.2	2.3	2.3
77.5°	1.4	1.4	1.4	1.2	1.3	1.6	1.9	2.2	2.3	2.3	2.3
75°	1.8	1.8	1.5	1.2	1.3	1.6	1.9	2.2	2.3	2.3	2.3
72.5°	2.1	1.8	1.5	1.3	1.5	1.9	2.2	2.3	2.8	3.5	3.9
70°	2.2	1.9	1.8	1.8	2.1	2.5	3.5	4.7	6.0	6.4	6.8
67.5°	2.2	2.1	2.1	2.4	3.2	4.3	5.7	7.5	9.2	9.9	10.5
65°	2.3	2.3	2.6	3.3	4.4	6.1	8.1	10.2	13.2	14.8	15.5
62.5°	2.3	2.5	3.0	4.2	6.1	8.1	10.7	14.1	18.2	20.8	20.7
60°	2.3	2.6	3.8	5.6	7.7	10.2	13.5	18.2	24.0	28.1	25.3
57.5°	2.3	3.1	4.9	6.9	9.2	11.9	16.5	22.3	27.6	33.2	28.4
55°	2.6	3.9	5.8	8.1	10.7	14.0	18.5	23.1	28.9	31.0	25.9
52.5°	3.5	4.7	6.7	9.3	12.5	15.1	17.6	21.7	23.9	24.9	21.4
50°	4.3	5.7	7.5	10.7	13.5	14.9	15.3	17.8	18.9	18.0	16.3
47.5°	5.2	6.8	8.6	11.7	13.6	14.3	13.8	14.2	14.2	14.0	11.8
45°	6.3	8.0	10.0	12.0	13.4	13.3	13.1	11.5	13.0	12.6	11.5
42.5°	7.3	9.2	11.1	12.5	12.9	13.6	13.5	14.0	14.0	14.7	15.8
40°	8.3	10.2	12.5	13.4	13.1	15.2	18.3	19.8	17.8	21.5	24.6
37.5°	9.2	11.6	14.5	16.8	15.5	20.1	25.1	33.1	34.2	31.8	40.6
35°	9.9	13.2	19.3	24.7	26.0	28.2	42.1	54.8	62.6	58.1	64.8
32.5°	11.1	14.9	25.8	37.5	46.8	49.4	64.1	90.7	106.2	108.9	104.5
30°	13.0	21.0	35.5	53.7	74.5	93.1	106.0	136.4	161.8	189.5	206.0
27.5°	15.9	28.9	51.1	79.3	110.6	145.5	174.4	197.8	244.3	291.4	331.9
25°	19.3	44.9	68.9	111.3	161.1	209.1	249.4	285.4	346.6	420.1	543.1
22.5°	27.7	65.5	98.6	147.3	217.1	278.0	332.3	388.2	462.9	561.9	819.2
20°	42.7	91.1	132.5	184.3	275.0	349.7	418.7	489.0	582.6	790.0	1354.6
17.5°	60.0	117.9	165.2	225.1	318.1	413.2	507.8	585.2	698.6	1004.8	1944.0
15°	78.9	145.4	194.6	262.5	359.0	462.5	568.1	679.0	851.8	1290.9	2503.5
12.5°	99.0	173.3	221.2	296.4	397.4	509.3	616.5	736.6	990.2	1725.1	3215.4
10°	119.4	201.0	245.2	326.9	433.0	553.2	659.7	785.1	1098.5	2002.9	3712.4
7.5°	132.5	220.7	264.7	354.0	465.5	593.8	697.9	825.1	1190.4	2179.3	4059.9
5°	142.4	230.7	271.1	366.2	486.9	623.4	727.5	857.2	1264.3	2265.5	4300.0
2.5°	149.9	238.6	276.4	373.5	499.9	637.2	736.4	869.3	1295.0	2317.7	4466.4
0°	155.0	244.3	280.5	377.8	509.0	645.9	740.9	875.6	1299.8	2332.6	4547.5
-2.5°	163.5	248.8	289.0	385.4	513.8	648.7	744.7	880.5	1318.8	2402.3	4671.4
-5°	169.7	251.4	296.2	390.1	514.5	646.7	744.7	879.3	1307.8	2378.1	4515.0
-7.5°	173.9	252.6	301.8	391.7	507.7	632.5	729.6	854.3	1239.2	2225.1	4090.4
-10°	177.0	256.3	309.0	389.3	492.7	609.5	708.2	823.8	1150.7	2010.2	3598.4
-12.5°	181.8	262.3	316.0	385.8	476.9	583.1	683.3	788.5	1043.6	1733.5	3042.2
-15°	184.2	267.2	322.4	381.8	461.5	553.7	655.2	748.7	923.5	1399.6	2424.7
-17.5°	184.2	271.4	328.6	377.6	447.2	521.9	627.0	719.8	838.8	1194.2	1994.3
-20°	181.9	274.8	334.5	373.9	435.4	502.2	604.0	699.4	804.2	1040.5	1567.4



REPORT NUMBER: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°	177.2	277.8	338.4	376.9	431.1	493.9	577.7	675.0	768.3	876.3	1241.4
-25°	174.1	270.4	338.9	379.9	426.5	485.2	549.4	646.3	734.7	838.7	1069.6
-27.5°	172.1	260.2	332.7	380.7	420.9	476.6	533.0	612.6	709.0	805.6	911.2
-30°	166.7	241.6	324.1	377.2	418.6	468.8	521.9	581.8	679.4	773.1	870.4
-32.5°	156.1	222.1	305.0	365.8	414.8	460.1	510.6	564.6	641.8	738.4	827.8
-35°	143.8	206.9	281.5	351.6	407.5	451.5	497.7	548.7	605.5	693.3	792.6
-37.5°	132.4	189.3	257.3	330.6	389.3	442.5	482.9	531.1	584.0	644.5	743.7
-40°	118.9	169.3	234.6	303.6	369.4	427.8	473.2	511.9	560.7	622.3	683.9
-42.5°	103.8	152.0	210.1	275.9	341.1	403.3	462.1	499.8	543.0	600.4	659.3
-45°	91.4	132.4	183.9	244.8	307.5	372.5	432.2	491.2	532.5	578.5	634.5
-47.5°	77.5	112.2	159.3	211.2	271.0	332.8	396.8	458.0	521.1	565.2	609.1
-50°	64.1	95.0	132.0	179.8	231.9	290.1	350.3	417.6	481.1	542.5	593.4
-52.5°	55.7	76.1	109.4	147.9	194.3	244.9	302.4	364.6	430.1	495.3	551.2
-55°	46.6	63.8	86.7	119.7	157.5	202.0	251.3	308.3	367.7	430.2	489.4
-57.5°	37.8	52.7	69.7	92.8	124.8	159.8	202.7	249.6	302.9	358.2	407.7
-60°	29.0	41.7	56.2	73.0	93.3	123.3	154.1	192.9	237.2	281.9	325.0
-62.5°	20.6	30.9	43.1	56.8	72.9	89.2	113.7	142.1	171.5	207.7	243.5
-65°	16.5	21.4	30.4	41.9	54.1	68.2	82.8	97.7	121.7	145.7	168.6
-67.5°	12.2	16.5	21.1	27.1	37.5	48.0	59.3	72.3	85.4	97.6	112.3
-70°	10.3	11.9	15.4	19.5	23.6	28.6	37.7	47.5	57.6	67.2	77.4
-72.5°	8.9	10.3	11.8	13.2	16.4	19.5	22.3	25.0	30.8	38.7	46.5
-75°	7.6	8.8	10.1	11.4	12.4	13.4	14.6	17.1	19.5	21.8	24.0
-77.5°	6.5	7.3	8.2	9.4	10.3	11.0	11.7	12.5	13.6	14.8	16.0
-80°	5.3	5.7	6.2	7.0	7.8	8.5	9.1	9.6	10.2	11.0	11.9
-82.5°	4.3	4.5	4.8	5.1	5.5	6.0	6.6	7.2	7.6	8.0	8.4
-85°	3.3	3.4	3.6	3.7	4.0	4.2	4.5	4.8	5.1	5.5	5.7
-87.5°	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.1	3.3	3.6	3.8
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



REPORT NUMBER: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°	2.3	2.6	2.9	3.1	3.4	3.7	4.0	4.2	4.5	4.5	4.5
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.6	1.6	1.5	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	2.3	2.1	2.0	1.9	1.9	1.7	1.6	1.4	1.1	1.1	1.1
77.5°	2.3	2.3	2.3	2.3	2.3	2.1	1.8	1.4	1.1	1.1	1.1
75°	2.3	2.4	2.5	2.5	2.4	2.2	2.1	2.1	2.1	1.9	1.7
72.5°	4.1	4.0	3.8	3.8	3.7	3.7	3.7	3.5	3.2	3.2	3.2
70°	7.2	7.4	7.4	7.2	6.5	5.8	5.4	4.9	4.4	4.1	3.9
67.5°	11.1	11.2	10.6	9.6	8.0	6.6	6.0	5.4	4.8	4.6	4.9
65°	15.5	14.1	12.4	10.5	8.6	6.7	6.2	5.8	5.5	5.5	6.0
62.5°	19.1	15.4	12.4	10.2	8.4	6.7	6.2	5.7	5.2	4.9	4.8
60°	21.1	15.5	11.1	9.2	7.5	5.9	5.2	4.9	4.6	4.5	4.5
57.5°	21.1	14.6	9.7	8.0	6.4	5.0	4.5	4.5	4.5	4.5	4.5
55°	18.8	12.8	8.3	6.8	5.8	5.0	4.5	4.7	4.7	4.5	4.8
52.5°	14.7	10.6	7.7	6.4	6.0	5.7	5.6	5.5	5.4	5.3	5.5
50°	11.7	8.8	7.5	6.7	6.7	6.7	6.7	6.8	6.9	7.0	7.1
47.5°	9.8	8.2	8.4	7.7	8.0	8.7	8.8	8.9	9.3	9.4	9.2
45°	10.0	11.6	12.0	11.8	11.6	13.3	13.2	12.1	13.5	14.0	13.6
42.5°	16.6	18.0	18.9	19.8	20.8	22.0	22.7	22.4	23.6	23.6	22.1
40°	28.1	26.8	28.9	31.5	33.8	34.6	36.8	39.0	39.9	39.4	37.9
37.5°	46.1	44.1	44.3	50.0	55.3	49.0	58.3	62.0	59.7	67.9	69.5
35°	76.6	84.7	73.0	93.6	103.8	98.8	109.8	131.7	114.8	145.6	153.2
32.5°	136.1	155.6	167.8	185.2	210.8	244.5	253.0	306.7	323.9	348.8	375.6
30°	222.4	277.4	378.6	397.5	421.9	538.0	569.9	599.2	660.3	707.4	787.5
27.5°	404.2	552.4	764.1	950.3	936.7	1133.1	1351.8	1107.0	1470.1	1324.4	1672.9
25°	757.0	1083.7	1593.9	2087.5	2323.2	2723.5	3224.1	3129.3	3789.9	3835.7	4810.0
22.5°	1439.8	2149.5	2929.6	3768.8	4583.1	5484.0	6349.8	7257.3	8621.9	10507.3	12339.7
20°	2355.8	3399.1	4659.2	5958.7	7336.7	8737.8	10365.7	13122.6	15949.2	19872.9	22644.7
17.5°	3348.2	5008.9	6555.7	8165.7	10092.1	12421.2	15788.6	20499.2	26212.9	32078.1	36615.4
15°	4215.1	6093.8	8323.4	10469.8	12865.3	16361.4	21650.3	28627.6	37124.6	46040.9	56822.9
12.5°	5053.9	7016.3	9439.2	12154.1	15409.4	20413.3	27269.0	36698.1	47954.5	61353.1	75201.3
10°	5704.9	7858.1	10554.8	13612.2	17585.4	23731.2	31698.0	42830.4	59510.6	75327.5	91141.1
7.5°	6213.6	8635.8	11492.3	14701.2	19327.4	26247.6	35779.2	49792.8	67416.9	84530.3	99095.8
5°	6665.7	9275.3	12127.5	15314.9	20581.5	28078.5	38342.7	54346.9	73154.1	89973.2	103833.5
2.5°	7021.8	9693.5	12476.4	15622.3	21388.8	29089.3	39694.7	56790.8	76852.2	93457.1	106691.8
0°	7237.5	9768.0	12534.9	15687.6	21450.0	29547.2	40749.6	57860.3	78171.2	95162.0	108178.8
-2.5°	7160.2	9601.0	12345.2	15495.7	21247.7	29118.0	39901.1	57318.4	77053.5	92949.9	106041.4
-5°	6775.3	9054.6	11602.8	14567.0	19905.6	27487.6	37495.7	53378.4	71928.5	87797.9	100117.1
-7.5°	6168.5	8291.0	10630.4	13374.6	17991.2	24842.6	33962.5	47478.6	64318.5	78961.1	90078.5
-10°	5489.6	7405.6	9432.6	11863.2	15471.8	21287.5	28903.3	39223.8	53666.3	66831.8	77343.5
-12.5°	4673.6	6267.7	7971.6	10067.6	12802.8	17543.9	23947.0	32319.0	42360.9	54076.5	63646.2
-15°	3825.5	5165.6	6576.0	8542.1	10874.8	13894.9	18497.5	25153.2	32607.1	40609.0	49291.8
-17.5°	3072.0	4206.6	5702.0	7358.0	9135.9	11237.5	15043.1	19578.9	24973.4	30680.9	35921.2
-20°	2467.8	3671.1	5014.5	6454.7	8088.3	10109.2	12446.9	15893.0	19893.4	24274.8	28472.6



REPORT NUMBER: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°	2030.1	3109.2	4356.7	5707.5	7360.2	9179.5	11072.8	13235.5	16106.4	19474.8	22699.7
-25°	1546.2	2448.0	3658.1	5020.5	6543.0	8147.4	9684.1	11447.1	13545.8	15737.5	17995.7
-27.5°	1225.6	1862.2	2855.8	4135.2	5543.9	6800.1	8116.7	9584.7	11420.0	13326.9	14583.3
-30°	1000.3	1373.0	2118.9	3118.5	4295.8	5404.4	6485.4	7804.8	9245.6	10614.1	11724.8
-32.5°	934.4	1101.2	1487.1	2199.5	3083.8	4073.3	5043.8	6221.4	7339.7	8422.7	9377.7
-35°	888.0	994.6	1140.2	1511.8	2044.4	2848.5	3735.2	4731.8	5741.1	6616.0	7425.9
-37.5°	844.7	937.2	1033.6	1129.4	1429.3	1797.3	2421.8	3210.0	3975.6	4683.6	5380.8
-40°	782.9	884.3	962.1	1044.1	1133.3	1234.6	1561.4	1883.4	2258.2	2801.2	3276.8
-42.5°	717.3	801.8	890.4	967.2	1041.8	1119.6	1202.0	1283.9	1455.2	1668.2	1842.7
-45°	689.8	740.7	801.6	881.8	956.7	1026.7	1093.7	1158.5	1227.0	1289.5	1340.5
-47.5°	657.1	703.3	752.6	804.9	859.9	927.4	993.7	1059.7	1119.6	1175.3	1219.7
-50°	626.8	663.1	707.2	751.6	795.6	840.9	886.7	937.6	994.8	1051.2	1097.5
-52.5°	602.1	635.3	666.8	698.4	736.6	775.0	813.5	854.0	893.1	930.0	958.8
-55°	541.9	588.8	634.9	664.7	690.4	716.6	745.7	782.0	816.7	849.5	868.8
-57.5°	460.0	514.3	564.2	599.3	635.2	671.6	701.6	727.6	753.8	778.9	792.6
-60°	369.0	413.6	458.7	500.6	540.6	578.3	613.3	647.4	679.0	705.5	721.6
-62.5°	278.9	315.9	352.5	387.5	421.2	454.0	491.3	527.3	561.5	589.4	606.6
-65°	194.1	224.5	252.9	280.2	306.3	334.2	363.2	391.4	418.5	440.0	454.1
-67.5°	132.0	150.7	167.7	183.9	203.7	225.2	246.5	266.3	284.5	298.4	308.3
-70°	87.7	97.7	106.7	117.1	130.1	143.2	156.4	168.6	179.7	188.1	194.4
-72.5°	54.0	60.9	67.4	74.4	81.0	87.9	95.0	102.1	108.8	113.7	117.4
-75°	25.9	29.1	34.8	40.1	44.7	49.1	53.1	56.5	59.5	61.4	62.7
-77.5°	17.7	19.2	20.6	22.0	23.4	25.2	27.0	28.7	30.3	31.6	32.8
-80°	12.8	13.5	14.2	14.8	15.2	16.0	16.8	17.6	18.4	18.7	18.9
-82.5°	8.8	9.4	10.0	10.6	11.1	11.6	12.2	12.6	13.1	13.5	13.9
-85°	6.0	6.3	6.6	6.9	7.3	7.7	8.0	8.4	8.8	8.8	8.9
-87.5°	4.1	4.2	4.3	4.3	4.4	4.7	5.0	5.3	5.7	5.7	5.7
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.8	0.6



REPORT NUMBER: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.2
87.5°	1.1	1.1	0.5	0.0	0.5	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
75°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.1	2.1
72.5°	3.3	3.3	2.9	2.3	2.9	3.3	3.3	3.2	3.2	3.2	3.5
70°	3.7	3.4	3.4	3.4	3.4	3.4	3.7	3.9	4.1	4.4	4.9
67.5°	5.2	5.6	5.7	5.7	5.7	5.6	5.2	4.9	4.6	4.8	5.4
65°	6.3	6.7	6.3	5.7	6.3	6.7	6.3	6.0	5.5	5.5	5.8
62.5°	4.7	4.6	4.5	4.5	4.5	4.6	4.7	4.8	4.9	5.2	5.7
60°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.9
57.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
55°	5.1	5.5	5.7	5.7	5.7	5.5	5.1	4.8	4.5	4.7	4.7
52.5°	5.6	5.7	5.7	5.7	5.7	5.7	5.6	5.5	5.3	5.4	5.5
50°	7.1	6.9	6.8	6.8	6.8	6.9	7.1	7.1	7.0	6.9	6.8
47.5°	8.8	8.2	7.9	7.9	7.9	8.2	8.8	9.2	9.4	9.3	8.9
45°	13.7	13.6	13.5	13.6	13.5	13.6	13.7	13.6	14.0	13.5	12.1
42.5°	23.0	23.4	23.0	21.5	23.0	23.4	23.0	22.1	23.6	23.6	22.4
40°	37.9	36.5	34.5	33.9	34.5	36.5	37.9	37.9	39.4	39.9	39.0
37.5°	70.4	70.3	68.7	67.9	68.7	70.3	70.4	69.5	67.9	59.7	62.0
35°	148.1	146.9	138.8	131.2	138.8	146.9	148.1	153.2	145.6	114.8	131.7
32.5°	384.7	405.1	403.1	391.4	403.1	405.1	384.7	375.6	348.8	323.9	306.7
30°	818.3	854.8	847.1	798.6	847.1	854.8	818.3	787.5	707.4	660.3	599.2
27.5°	1691.3	1776.8	1852.2	1753.4	1852.2	1776.8	1691.3	1672.9	1324.4	1470.1	1107.0
25°	5785.5	6341.8	6671.0	6159.4	6671.0	6341.8	5785.5	4810.0	3835.7	3789.9	3129.3
22.5°	13807.6	14501.0	14870.9	15082.4	14870.9	14501.0	13807.6	12339.7	10507.3	8621.9	7257.3
20°	25327.9	26810.5	27760.2	25847.0	27760.2	26810.5	25327.9	22644.7	19872.9	15949.2	13122.6
17.5°	42909.8	48377.8	51256.6	52820.8	51256.6	48377.8	42909.8	36615.4	32078.1	26212.9	20499.2
15°	65143.8	72140.0	76864.5	78714.2	76864.5	72140.0	65143.8	56822.9	46040.9	37124.6	28627.6
12.5°	86166.3	93385.4	97744.4	98840.2	97744.4	93385.4	86166.3	75201.3	61353.1	47954.5	36698.1
10°	101119.0	107921.0	112935.4	114695.7	112935.4	107921.0	101119.0	91141.1	75327.5	59510.6	42830.4
7.5°	109443.3	117394.3	121813.8	122914.0	121813.8	117394.3	109443.3	99095.8	84530.3	67416.9	49792.8
5°	114234.0	121417.9	126249.0	126834.8	126249.0	121417.9	114234.0	103833.5	89973.2	73154.1	54346.9
2.5°	117323.0	124348.6	128413.3	129608.0	128413.3	124348.6	117323.0	106691.8	93457.1	76852.2	56790.8
0°	118080.9	124540.7	129451.2	130979.5	129451.2	124540.7	118080.9	108178.8	95162.0	78171.2	57860.3
-2.5°	115785.9	122017.5	125288.6	125819.0	125288.6	122017.5	115785.9	106041.4	92949.9	77053.5	57318.4
-5°	109925.0	114533.8	118309.9	118793.0	118309.9	114533.8	109925.0	100117.1	87797.9	71928.5	53378.4
-7.5°	97475.6	102645.6	104734.1	105299.3	104734.1	102645.6	97475.6	90078.5	78961.1	64318.5	47478.6
-10°	84229.5	88658.7	90138.2	90936.9	90138.2	88658.7	84229.5	77343.5	66831.8	53666.3	39223.8
-12.5°	71261.6	75592.6	77047.9	78204.1	77047.9	75592.6	71261.6	63646.2	54076.5	42360.9	32319.0
-15°	56732.1	60997.0	63348.2	64649.8	63348.2	60997.0	56732.1	49291.8	40609.0	32607.1	25153.2
-17.5°	42571.7	46622.0	49358.6	50950.9	49358.6	46622.0	42571.7	35921.2	30680.9	24973.4	19578.9
-20°	32279.4	35020.7	37126.6	38376.3	37126.6	35020.7	32279.4	28472.6	24274.8	19893.4	15893.0



REPORT NUMBER: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°	25215.0	27113.6	28333.6	29132.1	28333.6	27113.6	25215.0	22699.7	19474.8	16106.4	13235.5
-25°	19707.1	20953.1	21742.1	22387.8	21742.1	20953.1	19707.1	17995.7	15737.5	13545.8	11447.1
-27.5°	15603.8	16271.9	16620.7	17094.9	16620.7	16271.9	15603.8	14583.3	13326.9	11420.0	9584.7
-30°	12543.9	13056.5	13333.7	13436.5	13333.7	13056.5	12543.9	11724.8	10614.1	9245.6	7804.8
-32.5°	10095.7	10580.0	10929.8	11093.8	10929.8	10580.0	10095.7	9377.7	8422.7	7339.7	6221.4
-35°	8054.5	8458.5	8734.2	8885.7	8734.2	8458.5	8054.5	7425.9	6616.0	5741.1	4731.8
-37.5°	5958.2	6401.5	6705.0	6808.8	6705.0	6401.5	5958.2	5380.8	4683.6	3975.6	3210.0
-40°	3655.6	3938.0	4120.2	4196.8	4120.2	3938.0	3655.6	3276.8	2801.2	2258.2	1883.4
-42.5°	1978.7	2082.3	2154.3	2195.7	2154.3	2082.3	1978.7	1842.7	1668.2	1455.2	1283.9
-45°	1373.6	1399.8	1416.4	1423.1	1416.4	1399.8	1373.6	1340.5	1289.5	1227.0	1158.5
-47.5°	1252.2	1280.5	1295.6	1296.4	1295.6	1280.5	1252.2	1219.7	1175.3	1119.6	1059.7
-50°	1134.2	1165.1	1180.6	1182.1	1180.6	1165.1	1134.2	1097.5	1051.2	994.8	937.6
-52.5°	985.0	1009.5	1020.1	1019.2	1020.1	1009.5	985.0	958.8	930.0	893.1	854.0
-55°	885.6	900.1	906.6	907.2	906.6	900.1	885.6	868.8	849.5	816.7	782.0
-57.5°	804.9	815.6	819.4	819.0	819.4	815.6	804.9	792.6	778.9	753.8	727.6
-60°	735.7	747.4	750.7	748.9	750.7	747.4	735.7	721.6	705.5	679.0	647.4
-62.5°	620.7	631.4	636.8	638.0	636.8	631.4	620.7	606.6	589.4	561.5	527.3
-65°	465.2	473.3	477.5	478.5	477.5	473.3	465.2	454.1	440.0	418.5	391.4
-67.5°	316.0	321.5	323.2	322.4	323.2	321.5	316.0	308.3	298.4	284.5	266.3
-70°	199.4	203.2	204.2	203.6	204.2	203.2	199.4	194.4	188.1	179.7	168.6
-72.5°	120.4	122.7	122.9	122.2	122.9	122.7	120.4	117.4	113.7	108.8	102.1
-75°	63.5	63.8	63.7	63.3	63.7	63.8	63.5	62.7	61.4	59.5	56.5
-77.5°	33.8	34.8	34.4	33.9	34.4	34.8	33.8	32.8	31.6	30.3	28.7
-80°	19.0	19.1	19.2	19.2	19.2	19.1	19.0	18.9	18.7	18.4	17.6
-82.5°	14.3	14.6	14.1	13.6	14.1	14.6	14.3	13.9	13.5	13.1	12.6
-85°	8.9	9.0	9.0	9.0	9.0	9.0	8.9	8.9	8.8	8.8	8.4
-87.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.3
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.1



REPORT NUMBER: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°	4.0	3.7	3.4	3.1	2.9	2.6	2.3	2.3	2.3	2.3	2.3
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.3	1.5	1.6	1.6	1.6	1.5	1.4	1.2
80°	1.6	1.7	1.9	1.9	2.0	2.1	2.3	2.3	2.3	2.2	2.0
77.5°	1.8	2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2
75°	2.1	2.2	2.4	2.5	2.5	2.4	2.3	2.3	2.3	2.3	2.2
72.5°	3.7	3.7	3.7	3.8	3.8	4.0	4.1	3.9	3.5	2.8	2.3
70°	5.4	5.8	6.5	7.2	7.4	7.4	7.2	6.8	6.4	6.0	4.7
67.5°	6.0	6.6	8.0	9.6	10.6	11.2	11.1	10.5	9.9	9.2	7.5
65°	6.2	6.7	8.6	10.5	12.4	14.1	15.5	15.5	14.8	13.2	10.2
62.5°	6.2	6.7	8.4	10.2	12.4	15.4	19.1	20.7	20.8	18.2	14.1
60°	5.2	5.9	7.5	9.2	11.1	15.5	21.1	25.3	28.1	24.0	18.2
57.5°	4.5	5.0	6.4	8.0	9.7	14.6	21.1	28.4	33.2	27.6	22.3
55°	4.5	5.0	5.8	6.8	8.3	12.8	18.8	25.9	31.0	28.9	23.1
52.5°	5.6	5.7	6.0	6.4	7.7	10.6	14.7	21.4	24.9	23.9	21.7
50°	6.7	6.7	6.7	6.7	7.5	8.8	11.7	16.3	18.0	18.9	17.8
47.5°	8.8	8.7	8.0	7.7	8.4	8.2	9.8	11.8	14.0	14.2	14.2
45°	13.2	13.3	11.6	11.8	12.0	11.6	10.0	11.5	12.6	13.0	11.5
42.5°	22.7	22.0	20.8	19.8	18.9	18.0	16.6	15.8	14.7	14.0	14.0
40°	36.8	34.6	33.8	31.5	28.9	26.8	28.1	24.6	21.5	17.8	19.8
37.5°	58.3	49.0	55.3	50.0	44.3	44.1	46.1	40.6	31.8	34.2	33.1
35°	109.8	98.8	103.8	93.6	73.0	84.7	76.6	64.8	58.1	62.6	54.8
32.5°	253.0	244.5	210.8	185.2	167.8	155.6	136.1	104.5	108.9	106.2	90.7
30°	569.9	538.0	421.9	397.5	378.6	277.4	222.4	206.0	189.5	161.8	136.4
27.5°	1351.8	1133.1	936.7	950.3	764.1	552.4	404.2	331.9	291.4	244.3	197.8
25°	3224.1	2723.5	2323.2	2087.5	1593.9	1083.7	757.0	543.1	420.1	346.6	285.4
22.5°	6349.8	5484.0	4583.1	3768.8	2929.6	2149.5	1439.8	819.2	561.9	462.9	388.2
20°	10365.7	8737.8	7336.7	5958.7	4659.2	3399.1	2355.8	1354.6	790.0	582.6	489.0
17.5°	15788.6	12421.2	10092.1	8165.7	6555.7	5008.9	3348.2	1944.0	1004.8	698.6	585.2
15°	21650.3	16361.4	12865.3	10469.8	8323.4	6093.8	4215.1	2503.5	1290.9	851.8	679.0
12.5°	27269.0	20413.3	15409.4	12154.1	9439.2	7016.3	5053.9	3215.4	1725.1	990.2	736.6
10°	31698.0	23731.2	17585.4	13612.2	10554.8	7858.1	5704.9	3712.4	2002.9	1098.5	785.1
7.5°	35779.2	26247.6	19327.4	14701.2	11492.3	8635.8	6213.6	4059.9	2179.3	1190.4	825.1
5°	38342.7	28078.5	20581.5	15314.9	12127.5	9275.3	6665.7	4300.0	2265.5	1264.3	857.2
2.5°	39694.7	29089.3	21388.8	15622.3	12476.4	9693.5	7021.8	4466.4	2317.7	1295.0	869.3
0°	40749.6	29547.2	21450.0	15687.6	12534.9	9768.0	7237.5	4547.5	2332.6	1299.8	875.6
-2.5°	39901.1	29118.0	21247.7	15495.7	12345.2	9601.0	7160.2	4671.4	2402.3	1318.8	880.5
-5°	37495.7	27487.6	19905.6	14567.0	11602.8	9054.6	6775.3	4515.0	2378.1	1307.8	879.3
-7.5°	33962.5	24842.6	17991.2	13374.6	10630.4	8291.0	6168.5	4090.4	2225.1	1239.2	854.3
-10°	28903.3	21287.5	15471.8	11863.2	9432.6	7405.6	5489.6	3598.4	2010.2	1150.7	823.8
-12.5°	23947.0	17543.9	12802.8	10067.6	7971.6	6267.7	4673.6	3042.2	1733.5	1043.6	788.5
-15°	18497.5	13894.9	10874.8	8542.1	6576.0	5165.6	3825.5	2424.7	1399.6	923.5	748.7
-17.5°	15043.1	11237.5	9135.9	7358.0	5702.0	4206.6	3072.0	1994.3	1194.2	838.8	719.8
-20°	12446.9	10109.2	8088.3	6454.7	5014.5	3671.1	2467.8	1567.4	1040.5	804.2	699.4



REPORT NUMBER: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°	11072.8	9179.5	7360.2	5707.5	4356.7	3109.2	2030.1	1241.4	876.3	768.3	675.0
-25°	9684.1	8147.4	6543.0	5020.5	3658.1	2448.0	1546.2	1069.6	838.7	734.7	646.3
-27.5°	8116.7	6800.1	5543.9	4135.2	2855.8	1862.2	1225.6	911.2	805.6	709.0	612.6
-30°	6485.4	5404.4	4295.8	3118.5	2118.9	1373.0	1000.3	870.4	773.1	679.4	581.8
-32.5°	5043.8	4073.3	3083.8	2199.5	1487.1	1101.2	934.4	827.8	738.4	641.8	564.6
-35°	3735.2	2848.5	2044.4	1511.8	1140.2	994.6	888.0	792.6	693.3	605.5	548.7
-37.5°	2421.8	1797.3	1429.3	1129.4	1033.6	937.2	844.7	743.7	644.5	584.0	531.1
-40°	1561.4	1234.6	1133.3	1044.1	962.1	884.3	782.9	683.9	622.3	560.7	511.9
-42.5°	1202.0	1119.6	1041.8	967.2	890.4	801.8	717.3	659.3	600.4	543.0	499.8
-45°	1093.7	1026.7	956.7	881.8	801.6	740.7	689.8	634.5	578.5	532.5	491.2
-47.5°	993.7	927.4	859.9	804.9	752.6	703.3	657.1	609.1	565.2	521.1	458.0
-50°	886.7	840.9	795.6	751.6	707.2	663.1	626.8	593.4	542.5	481.1	417.6
-52.5°	813.5	775.0	736.6	698.4	666.8	635.3	602.1	551.2	495.3	430.1	364.6
-55°	745.7	716.6	690.4	664.7	634.9	588.8	541.9	489.4	430.2	367.7	308.3
-57.5°	701.6	671.6	635.2	599.3	564.2	514.3	460.0	407.7	358.2	302.9	249.6
-60°	613.3	578.3	540.6	500.6	458.7	413.6	369.0	325.0	281.9	237.2	192.9
-62.5°	491.3	454.0	421.2	387.5	352.5	315.9	278.9	243.5	207.7	171.5	142.1
-65°	363.2	334.2	306.3	280.2	252.9	224.5	194.1	168.6	145.7	121.7	97.7
-67.5°	246.5	225.2	203.7	183.9	167.7	150.7	132.0	112.3	97.6	85.4	72.3
-70°	156.4	143.2	130.1	117.1	106.7	97.7	87.7	77.4	67.2	57.6	47.5
-72.5°	95.0	87.9	81.0	74.4	67.4	60.9	54.0	46.5	38.7	30.8	25.0
-75°	53.1	49.1	44.7	40.1	34.8	29.1	25.9	24.0	21.8	19.5	17.1
-77.5°	27.0	25.2	23.4	22.0	20.6	19.2	17.7	16.0	14.8	13.6	12.5
-80°	16.8	16.0	15.2	14.8	14.2	13.5	12.8	11.9	11.0	10.2	9.6
-82.5°	12.2	11.6	11.1	10.6	10.0	9.4	8.8	8.4	8.0	7.6	7.2
-85°	8.0	7.7	7.3	6.9	6.6	6.3	6.0	5.7	5.5	5.1	4.8
-87.5°	5.0	4.7	4.4	4.3	4.3	4.2	4.1	3.8	3.6	3.3	3.1
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



REPORT NUMBER: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.7	1.4	1.2	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3
77.5°	1.9	1.6	1.3	1.2	1.4	1.4	1.4	1.3	1.4	1.6	1.6
75°	1.9	1.6	1.3	1.2	1.5	1.8	1.8	1.8	1.7	1.8	1.9
72.5°	2.2	1.9	1.5	1.3	1.5	1.8	2.1	2.2	2.0	2.0	2.1
70°	3.5	2.5	2.1	1.8	1.8	1.9	2.2	2.3	2.3	2.2	2.2
67.5°	5.7	4.3	3.2	2.4	2.1	2.1	2.2	2.3	2.3	2.3	2.2
65°	8.1	6.1	4.4	3.3	2.6	2.3	2.3	2.3	2.3	2.3	2.3
62.5°	10.7	8.1	6.1	4.2	3.0	2.5	2.3	2.3	2.3	2.3	2.3
60°	13.5	10.2	7.7	5.6	3.8	2.6	2.3	2.3	2.3	2.3	2.3
57.5°	16.5	11.9	9.2	6.9	4.9	3.1	2.3	2.3	2.3	2.3	2.3
55°	18.5	14.0	10.7	8.1	5.8	3.9	2.6	2.3	2.3	2.3	2.3
52.5°	17.6	15.1	12.5	9.3	6.7	4.7	3.5	2.3	2.3	2.3	2.3
50°	15.3	14.9	13.5	10.7	7.5	5.7	4.3	3.0	2.3	2.3	2.3
47.5°	13.8	14.3	13.6	11.7	8.6	6.8	5.2	3.7	2.3	2.3	2.3
45°	13.1	13.3	13.4	12.0	10.0	8.0	6.3	4.4	2.9	2.3	2.3
42.5°	13.5	13.6	12.9	12.5	11.1	9.2	7.3	5.3	3.5	2.4	2.3
40°	18.3	15.2	13.1	13.4	12.5	10.2	8.3	6.3	4.1	2.7	2.4
37.5°	25.1	20.1	15.5	16.8	14.5	11.6	9.2	7.3	4.8	3.2	2.5
35°	42.1	28.2	26.0	24.7	19.3	13.2	9.9	8.1	5.7	3.8	2.7
32.5°	64.1	49.4	46.8	37.5	25.8	14.9	11.1	9.0	6.6	4.3	2.8
30°	106.0	93.1	74.5	53.7	35.5	21.0	13.0	10.0	7.4	4.8	3.1
27.5°	174.4	145.5	110.6	79.3	51.1	28.9	15.9	11.1	8.1	5.4	3.5
25°	249.4	209.1	161.1	111.3	68.9	44.9	19.3	12.4	9.0	6.0	3.9
22.5°	332.3	278.0	217.1	147.3	98.6	65.5	27.7	15.1	10.0	6.6	4.2
20°	418.7	349.7	275.0	184.3	132.5	91.1	42.7	18.0	11.0	7.1	4.6
17.5°	507.8	413.2	318.1	225.1	165.2	117.9	60.0	21.0	12.1	7.6	4.9
15°	568.1	462.5	359.0	262.5	194.6	145.4	78.9	24.2	13.1	8.0	5.3
12.5°	616.5	509.3	397.4	296.4	221.2	173.3	99.0	27.4	14.2	8.8	5.7
10°	659.7	553.2	433.0	326.9	245.2	201.0	119.4	30.8	16.2	9.8	6.2
7.5°	697.9	593.8	465.5	354.0	264.7	220.7	132.5	34.3	18.2	10.8	6.7
5°	727.5	623.4	486.9	366.2	271.1	230.7	142.4	37.5	20.2	11.8	7.1
2.5°	736.4	637.2	499.9	373.5	276.4	238.6	149.9	40.4	22.1	12.7	7.5
0°	740.9	645.9	509.0	377.8	280.5	244.3	155.0	43.0	23.8	13.6	7.9
-2.5°	744.7	648.7	513.8	385.4	289.0	248.8	163.5	55.4	32.1	18.3	10.0
-5°	744.7	646.7	514.5	390.1	296.2	251.4	169.7	67.2	40.0	22.7	12.0
-7.5°	729.6	632.5	507.7	391.7	301.8	252.6	173.9	78.2	47.4	26.9	13.9
-10°	708.2	609.5	492.7	389.3	309.0	256.3	177.0	88.1	54.1	30.5	15.7
-12.5°	683.3	583.1	476.9	385.8	316.0	262.3	181.8	96.9	59.8	33.7	17.2
-15°	655.2	553.7	461.5	381.8	322.4	267.2	184.2	104.1	64.2	36.2	18.4
-17.5°	627.0	521.9	447.2	377.6	328.6	271.4	184.2	109.4	67.5	38.2	19.7
-20°	604.0	502.2	435.4	373.9	334.5	274.8	181.9	112.7	69.5	39.4	20.7



REPORT NUMBER: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°	577.7	493.9	431.1	376.9	338.4	277.8	177.2	113.7	70.3	39.8	21.4
-25°	549.4	485.2	426.5	379.9	338.9	270.4	174.1	112.2	69.6	39.4	21.7
-27.5°	533.0	476.6	420.9	380.7	332.7	260.2	172.1	111.2	68.1	38.1	21.6
-30°	521.9	468.8	418.6	377.2	324.1	241.6	166.7	108.4	66.5	37.2	21.0
-32.5°	510.6	460.1	414.8	365.8	305.0	222.1	156.1	103.5	63.6	36.5	20.5
-35°	497.7	451.5	407.5	351.6	281.5	206.9	143.8	96.5	59.4	35.2	19.9
-37.5°	482.9	442.5	389.3	330.6	257.3	189.3	132.4	88.0	54.0	33.2	18.8
-40°	473.2	427.8	369.4	303.6	234.6	169.3	118.9	79.4	50.1	30.5	17.4
-42.5°	462.1	403.3	341.1	275.9	210.1	152.0	103.8	69.5	45.7	28.1	15.5
-45°	432.2	372.5	307.5	244.8	183.9	132.4	91.4	59.1	40.7	25.5	13.8
-47.5°	396.8	332.8	271.0	211.2	159.3	112.2	77.5	52.8	35.1	22.4	12.6
-50°	350.3	290.1	231.9	179.8	132.0	95.0	64.1	45.9	30.6	18.6	11.1
-52.5°	302.4	244.9	194.3	147.9	109.4	76.1	55.7	38.6	25.6	15.7	9.3
-55°	251.3	202.0	157.5	119.7	86.7	63.8	46.6	32.2	20.0	13.3	7.6
-57.5°	202.7	159.8	124.8	92.8	69.7	52.7	37.8	25.1	16.5	10.8	7.2
-60°	154.1	123.3	93.3	73.0	56.2	41.7	29.0	19.0	13.5	8.6	6.8
-62.5°	113.7	89.2	72.9	56.8	43.1	30.9	20.6	15.4	10.3	8.0	6.3
-65°	82.8	68.2	54.1	41.9	30.4	21.4	16.5	11.7	9.0	7.3	5.7
-67.5°	59.3	48.0	37.5	27.1	21.1	16.5	12.2	9.8	8.1	6.5	5.2
-70°	37.7	28.6	23.6	19.5	15.4	11.9	10.3	8.7	7.1	5.8	4.6
-72.5°	22.3	19.5	16.4	13.2	11.8	10.3	8.9	7.5	6.3	5.2	4.0
-75°	14.6	13.4	12.4	11.4	10.1	8.8	7.6	6.7	5.6	4.5	3.6
-77.5°	11.7	11.0	10.3	9.4	8.2	7.3	6.5	5.8	4.8	4.0	3.2
-80°	9.1	8.5	7.8	7.0	6.2	5.7	5.3	4.9	4.1	3.4	2.8
-82.5°	6.6	6.0	5.5	5.1	4.8	4.5	4.3	4.0	3.4	2.9	2.5
-85°	4.5	4.2	4.0	3.7	3.6	3.4	3.3	3.2	2.9	2.7	2.5
-87.5°	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.8	2.6	2.5	2.4
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



REPORT NUMBER: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	2.3	2.3	2.3	2.3	2.3	2.3	2.3
87.5°	1.1	1.2	1.2	1.2	1.2	1.7	2.3
85°	1.1	1.2	1.3	1.3	1.3	1.8	2.3
82.5°	1.1	1.3	1.4	1.5	1.4	1.8	2.3
80°	1.2	1.4	1.5	1.6	1.5	1.8	2.3
77.5°	1.5	1.5	1.6	1.7	1.6	1.8	2.3
75°	1.8	1.7	1.8	1.8	1.7	1.9	2.3
72.5°	2.1	1.9	1.9	1.9	1.8	1.9	2.3
70°	2.3	2.1	2.0	2.1	1.9	1.9	2.3
67.5°	2.3	2.2	2.1	2.1	2.0	2.0	2.3
65°	2.3	2.3	2.1	2.1	2.1	2.0	2.3
62.5°	2.3	2.3	2.2	2.2	2.2	2.0	2.3
60°	2.3	2.3	2.3	2.2	2.3	2.0	2.3
57.5°	2.3	2.3	2.3	2.2	2.3	2.1	2.3
55°	2.3	2.3	2.3	2.3	2.3	2.1	2.3
52.5°	2.3	2.3	2.3	2.3	2.3	2.1	2.3
50°	2.3	2.3	2.3	2.3	2.3	2.1	2.3
47.5°	2.3	2.3	2.3	2.3	2.3	2.2	2.3
45°	2.3	2.3	2.3	2.3	2.3	2.2	2.3
42.5°	2.3	2.3	2.3	2.3	2.3	2.2	2.3
40°	2.3	2.3	2.3	2.3	2.3	2.2	2.3
37.5°	2.3	2.3	2.3	2.3	2.3	2.2	2.3
35°	2.3	2.3	2.3	2.3	2.3	2.2	2.3
32.5°	2.3	2.3	2.3	2.3	2.3	2.2	2.3
30°	2.4	2.3	2.3	2.3	2.3	2.3	2.3
27.5°	2.6	2.3	2.3	2.3	2.3	2.3	2.3
25°	2.7	2.3	2.3	2.3	2.3	2.3	2.3
22.5°	2.8	2.3	2.3	2.3	2.3	2.3	2.3
20°	3.0	2.4	2.3	2.3	2.3	2.3	2.3
17.5°	3.2	2.5	2.3	2.3	2.3	2.3	2.3
15°	3.4	2.6	2.3	2.3	2.3	2.3	2.3
12.5°	3.6	2.7	2.3	2.3	2.3	2.3	2.3
10°	3.8	2.9	2.3	2.3	2.3	2.3	2.3
7.5°	4.0	3.0	2.3	2.3	2.3	2.3	2.3
5°	4.2	3.1	2.3	2.3	2.3	2.3	2.3
2.5°	4.3	3.3	2.3	2.3	2.3	2.3	2.3
0°	4.5	3.4	2.3	2.3	2.3	2.3	2.3
-2.5°	5.5	3.8	2.4	2.3	2.3	2.3	2.3
-5°	6.6	4.1	2.5	2.3	2.3	2.3	2.3
-7.5°	7.5	4.4	2.6	2.3	2.3	2.3	2.3
-10°	8.4	4.7	2.7	2.3	2.3	2.3	2.3
-12.5°	9.1	5.0	2.7	2.3	2.3	2.3	2.3
-15°	9.8	5.2	2.8	2.3	2.3	2.3	2.3
-17.5°	10.3	5.3	2.8	2.3	2.3	2.3	2.3
-20°	10.7	5.4	2.9	2.3	2.3	2.3	2.3



REPORT NUMBER: P701447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	11.1	5.4	2.9	2.3	2.3	2.3	2.3
-25°	11.3	5.4	2.9	2.3	2.3	2.3	2.3
-27.5°	11.3	5.4	2.9	2.3	2.3	2.3	2.3
-30°	11.0	5.3	2.8	2.3	2.3	2.3	2.3
-32.5°	10.4	5.1	2.9	2.3	2.3	2.3	2.3
-35°	10.0	4.8	2.9	2.3	2.3	2.3	2.3
-37.5°	9.6	4.5	2.9	2.3	2.3	2.3	2.3
-40°	9.1	4.5	2.9	2.3	2.3	2.3	2.3
-42.5°	8.3	4.5	2.9	2.3	2.3	2.3	2.3
-45°	7.4	4.4	2.9	2.3	2.3	2.3	2.3
-47.5°	6.4	4.3	2.9	2.4	2.3	2.3	2.3
-50°	6.1	4.2	2.9	2.4	2.3	2.3	2.3
-52.5°	5.9	4.0	2.9	2.4	2.3	2.3	2.3
-55°	5.6	3.9	2.9	2.4	2.3	2.3	2.3
-57.5°	5.3	3.8	2.8	2.4	2.3	2.3	2.3
-60°	5.0	3.6	2.7	2.4	2.3	2.3	2.3
-62.5°	4.7	3.4	2.7	2.4	2.3	2.3	2.3
-65°	4.3	3.1	2.6	2.4	2.3	2.3	2.3
-67.5°	3.8	3.0	2.5	2.3	2.3	2.3	2.3
-70°	3.4	2.8	2.5	2.3	2.3	2.3	2.3
-72.5°	3.1	2.7	2.4	2.3	2.3	2.3	2.3
-75°	2.9	2.5	2.3	2.3	2.3	2.3	2.3
-77.5°	2.6	2.4	2.3	2.3	2.3	2.3	2.3
-80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3
-82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3
-85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3
-87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3
-90°	1.1	1.1	1.1	1.1	1.1	1.7	2.3

(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

