

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: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-70-3S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-20)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-70-3S-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

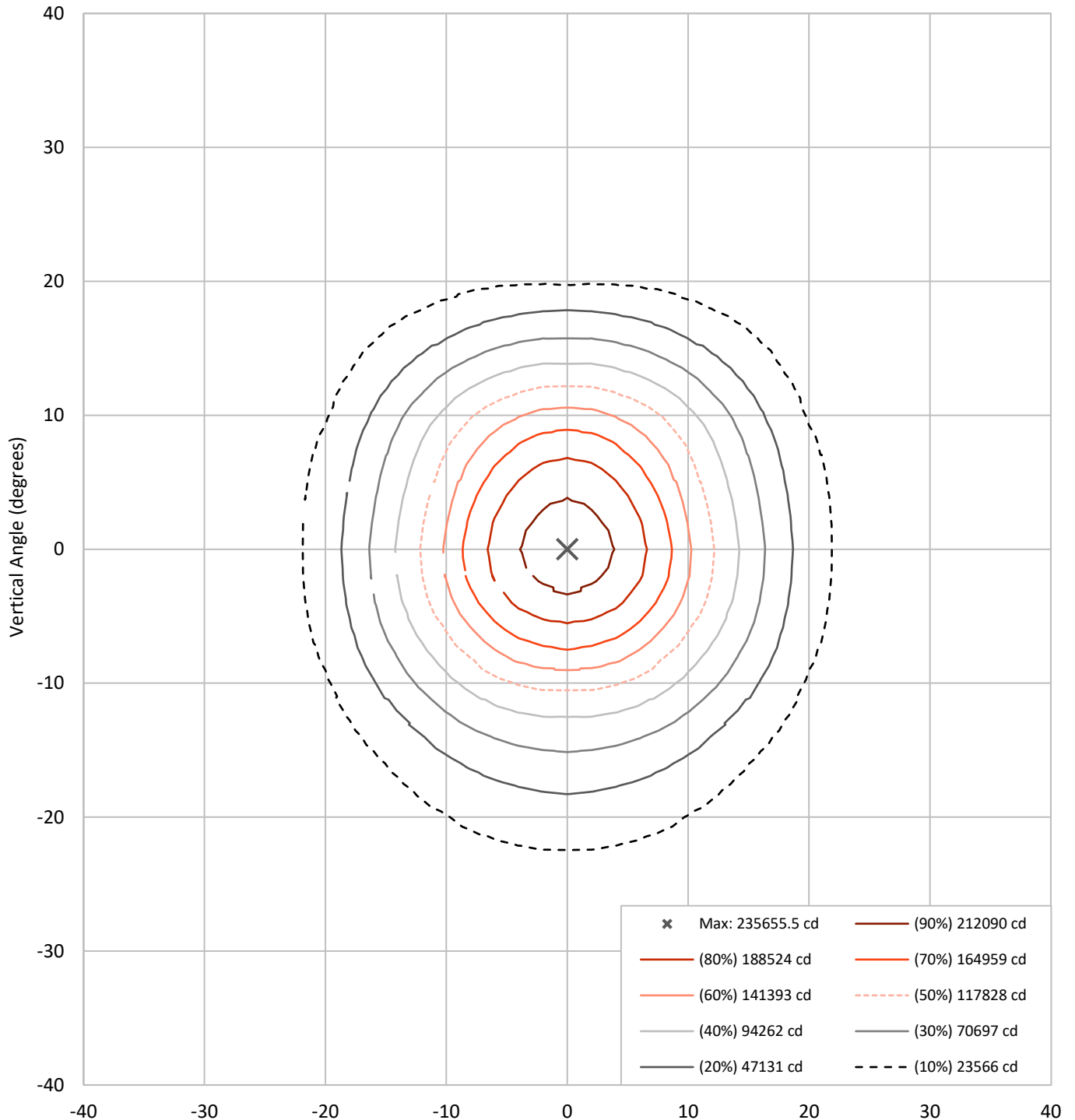
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	48841.5 lumens	Max Intensity:	235655.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	141.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.3°H x 22.7°V	Field Angle (10%):	43.8°H x 42.1°V
Beam Lumens:	23031.1 lumens	Field Lumens:	41606.6 lumens
Beam Efficiency:	47.2%	Field Efficiency:	85.2%

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: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV1-S

Iso-Candela Plot





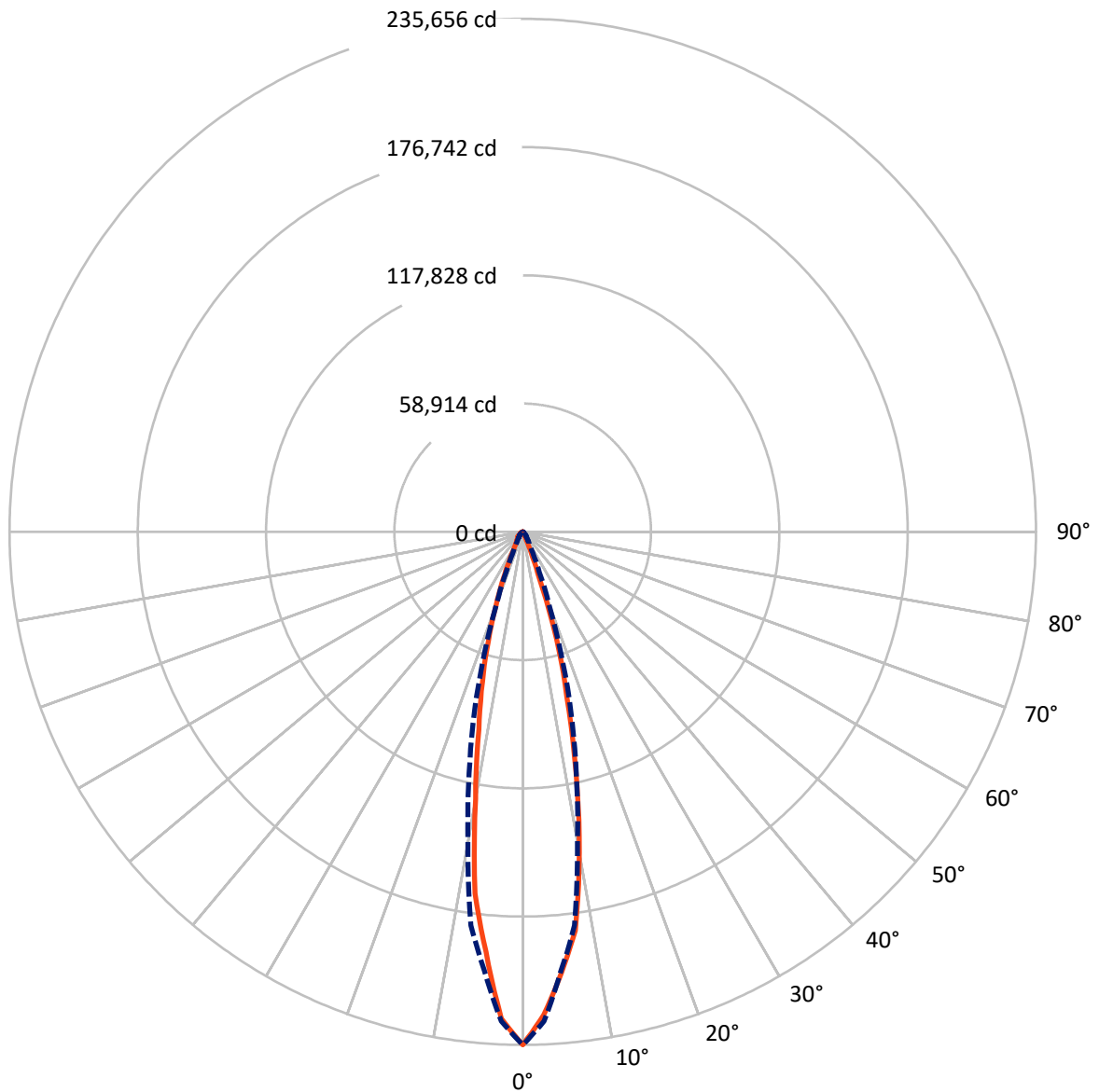
REPORT NUMBER: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV1-S

Lumen Table

90	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1					
80	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1					
70	0.1	0.0	0.1	0.4	0.5	0.4	0.3	0.2	0.2	0.3	0.4	0.5	0.4	0.1	0.0	0.1
60		0.1	0.3	0.5	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5	0.3	0.1	
50	0.1	0.2	0.4	0.4	0.5	0.7	1.3	0.9	0.9	1.3	0.7	0.5	0.4	0.4	0.2	0.1
40		0.3	0.8	1.9	3.4	5.0	6.8	8.2	8.2	6.8	5.0	3.4	1.9	0.8	0.3	
30	0.1	0.5	3.3	10.4	24.1	40.1	82.4	158.6	158.6	82.4	40.1	24.1	10.4	3.3	0.5	0.1
20		1.0	7.1	26.5	64.2	170.0	936.0	2208.9	2208.9	936.0	170.0	64.2	26.5	7.1	1.0	
10	0.2	1.5	9.4	35.3	82.6	362.6	2244.0	5262.6	5262.6	2244.0	362.6	82.6	35.3	9.4	1.5	0.2
0		1.9	10.1	35.9	82.8	359.0	2204.8	5043.2	5043.2	2204.8	359.0	82.8	35.9	10.1	1.9	
-10	0.4	2.3	9.6	29.8	65.1	171.4	893.9	2017.5	2017.5	893.9	171.4	65.1	29.8	9.6	2.3	0.4
-20		2.4	8.9	22.3	55.5	97.2	222.4	454.7	454.7	222.4	97.2	55.5	22.3	8.9	2.4	
-30	0.3	2.1	7.7	16.9	40.9	80.3	112.8	138.6	138.6	112.8	80.3	40.9	16.9	7.7	2.1	0.3
-40		1.5	5.8	13.3	24.8	44.1	72.2	92.5	92.5	72.2	44.1	24.8	13.3	5.8	1.5	
-50	0.2	0.7	3.5	8.9	16.9	26.1	34.9	40.5	40.5	34.9	26.1	16.9	8.9	3.5	0.7	0.2
-60		0.3	1.2	3.9	7.9	12.5	17.1	19.7	19.7	17.1	12.5	7.9	3.9	1.2	0.3	
-70																
-80	0.1	0.7	2.5	6.4	8.7	6.4	2.5	0.7	0.1							
-90																

REPORT NUMBER: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV1-S

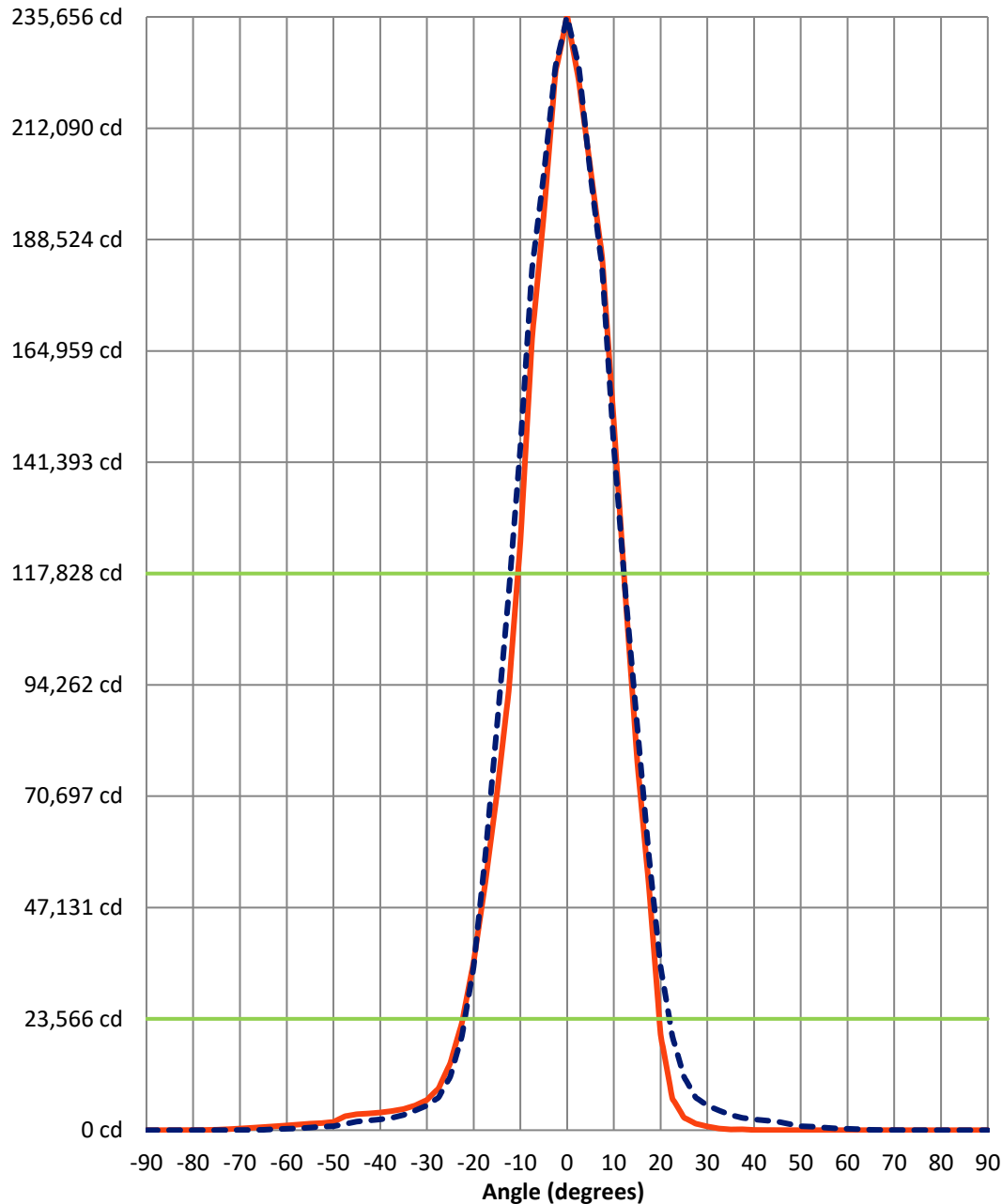
Luminous Intensity Polar Plot



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

REPORT NUMBER: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV1-S

Luminous Intensity Plot



Beam:
 H Angle: 24.3°
 V Angle: 22.7°
 Lumens: 23031.1
 Efficiency: 47.2%

Field:
 H Angle: 43.8°
 V Angle: 42.1°
 Lumens: 41606.6
 Efficiency: 85.2%

Spill:
 Lumens: 7234.9
 Efficiency: 14.8%

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



REPORT NUMBER: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV1-S

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	2.4	3.0	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	2.4	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4
85°	2.4	2.5	2.6	2.6	2.6	2.5	2.4	2.4	2.4	2.4	2.4
82.5°	2.4	2.6	2.7	2.8	2.7	2.6	2.4	2.4	2.4	2.4	2.4
80°	2.4	2.6	2.8	2.9	2.8	2.7	2.5	2.6	2.6	2.6	2.4
77.5°	2.4	2.7	2.9	3.0	2.9	2.8	2.8	2.9	2.9	2.7	2.5
75°	2.4	2.7	3.0	3.1	3.1	3.0	3.1	3.2	3.1	2.8	2.5
72.5°	2.4	2.8	3.1	3.2	3.2	3.2	3.4	3.4	3.1	2.8	2.5
70°	2.4	2.8	3.2	3.4	3.3	3.4	3.6	3.4	3.1	2.9	2.9
67.5°	2.4	2.9	3.3	3.4	3.4	3.5	3.6	3.5	3.2	3.1	3.3
65°	2.4	2.9	3.4	3.4	3.4	3.6	3.6	3.5	3.3	3.4	3.6
62.5°	2.4	3.0	3.5	3.5	3.5	3.6	3.6	3.5	3.5	3.6	3.8
60°	2.4	3.0	3.6	3.5	3.6	3.6	3.6	3.6	3.6	3.9	3.9
57.5°	2.4	3.0	3.6	3.5	3.6	3.6	3.7	3.6	3.8	4.1	4.1
55°	2.4	3.1	3.6	3.6	3.6	3.6	3.7	3.7	4.1	4.4	4.4
52.5°	2.4	3.1	3.6	3.6	3.6	3.6	3.8	4.0	4.5	4.7	4.7
50°	2.4	3.2	3.6	3.6	3.6	3.7	3.9	4.3	4.8	5.1	6.3
47.5°	2.4	3.2	3.6	3.6	3.6	3.8	4.1	4.7	5.2	5.5	7.9
45°	2.4	3.2	3.6	3.6	3.6	4.0	4.4	5.0	5.6	6.8	9.4
42.5°	2.4	3.3	3.6	3.6	3.6	4.1	4.6	5.3	6.0	7.9	12.1
40°	2.4	3.3	3.6	3.6	3.7	4.3	4.9	5.6	6.5	8.9	14.9
37.5°	2.4	3.4	3.6	3.6	3.8	4.4	5.2	5.9	7.3	10.3	17.6
35°	2.4	3.4	3.6	3.6	3.9	4.6	5.4	6.2	8.0	12.7	19.8
32.5°	2.4	3.4	3.6	3.6	4.0	4.8	5.7	6.5	8.7	15.2	21.7
30°	2.4	3.4	3.6	3.6	4.1	5.0	5.9	6.8	9.3	17.6	23.7
27.5°	2.4	3.5	3.6	3.6	4.3	5.2	6.1	7.3	10.3	20.0	25.8
25°	2.4	3.5	3.6	3.6	4.3	5.4	6.3	7.8	12.2	21.9	28.0
22.5°	2.4	3.5	3.6	3.6	4.4	5.5	6.5	8.2	14.0	23.6	31.9
20°	2.4	3.5	3.6	3.6	4.5	5.6	6.7	8.5	15.8	25.3	36.2
17.5°	2.4	3.5	3.6	3.6	4.6	5.7	6.9	8.8	17.4	26.9	40.6
15°	2.4	3.6	3.6	3.6	4.6	5.8	7.1	9.2	18.9	28.5	45.1
12.5°	2.4	3.6	3.6	3.6	4.7	5.9	7.4	9.7	20.6	30.1	49.7
10°	2.4	3.6	3.6	3.6	4.7	5.9	7.6	10.2	22.6	32.5	54.8
7.5°	2.4	3.6	3.6	3.6	4.8	5.9	7.8	10.7	24.4	35.1	61.1
5°	2.4	3.6	3.6	3.6	4.8	6.0	8.0	11.2	26.0	37.5	67.1
2.5°	2.4	3.6	3.6	3.6	4.8	6.0	8.2	11.6	27.5	39.8	72.7
0°	2.4	3.6	3.6	3.6	4.8	6.0	8.4	12.0	28.7	41.9	77.8
-2.5°	2.4	3.6	3.7	3.8	5.0	6.5	9.8	15.7	35.3	52.7	91.7
-5°	2.4	3.6	3.7	3.9	5.2	7.0	11.2	19.3	41.5	63.0	104.6
-7.5°	2.4	3.6	3.8	4.1	5.4	7.5	12.5	22.7	47.2	72.7	116.5
-10°	2.4	3.6	3.8	4.2	5.6	7.9	13.6	25.7	52.3	81.5	127.3
-12.5°	2.4	3.6	3.8	4.4	5.7	8.3	14.6	28.3	56.5	89.4	138.1
-15°	2.4	3.6	3.9	4.5	5.9	8.7	15.5	30.4	60.4	96.6	147.7
-17.5°	2.4	3.6	3.9	4.6	6.0	8.9	16.1	32.4	63.7	102.6	155.0
-20°	2.4	3.5	4.0	4.7	6.2	9.2	16.7	34.1	65.9	107.3	159.9



REPORT NUMBER: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	2.4	3.5	4.0	4.8	6.3	9.3	17.2	35.1	67.0	110.6	162.1
-25°	2.4	3.5	4.0	4.9	6.4	9.4	17.4	35.2	66.8	112.5	161.5
-27.5°	2.4	3.5	4.0	5.0	6.5	9.5	17.1	34.6	65.2	112.6	163.0
-30°	2.4	3.5	4.0	5.0	6.6	9.4	16.4	33.0	63.8	110.6	162.7
-32.5°	2.4	3.5	4.0	5.1	6.6	9.2	15.2	31.9	61.9	106.7	160.4
-35°	2.4	3.4	4.0	5.1	6.7	9.0	14.6	30.5	58.7	101.0	155.9
-37.5°	2.4	3.4	4.0	5.1	6.7	8.7	14.3	28.4	54.3	93.4	146.0
-40°	2.4	3.4	4.0	5.1	6.6	8.7	13.7	25.5	48.5	86.3	133.6
-42.5°	2.4	3.4	4.0	5.1	6.6	8.6	13.0	22.0	43.5	77.2	119.4
-45°	2.4	3.4	4.0	5.0	6.5	8.5	12.2	19.1	38.6	66.6	104.1
-47.5°	2.4	3.4	3.9	5.0	6.4	8.4	11.1	17.8	32.6	54.8	90.6
-50°	2.4	3.3	3.9	4.9	6.3	8.1	10.7	16.3	25.5	46.7	75.5
-52.5°	2.4	3.3	3.8	4.8	6.2	7.9	10.3	14.6	21.7	37.8	59.7
-55°	2.4	3.3	3.7	4.7	6.0	7.6	9.9	12.8	19.4	28.2	48.7
-57.5°	2.4	3.3	3.7	4.6	5.9	7.4	9.4	12.1	16.8	23.6	36.9
-60°	2.4	3.3	3.6	4.5	5.7	7.1	8.8	11.4	14.5	20.4	27.2
-62.5°	2.4	3.2	3.6	4.3	5.5	6.8	8.5	10.6	13.5	17.1	23.3
-65°	2.4	3.2	3.6	4.2	5.2	6.5	8.0	9.9	12.5	15.4	19.3
-67.5°	2.4	3.2	3.6	4.0	5.0	6.2	7.6	9.3	11.4	14.0	16.9
-70°	2.4	3.2	3.6	3.9	4.8	5.8	7.1	8.7	10.6	12.6	15.3
-72.5°	2.4	3.2	3.6	3.8	4.5	5.4	6.5	8.0	9.7	11.6	13.6
-75°	2.4	3.1	3.6	3.8	4.2	5.0	6.0	7.3	8.9	10.5	12.3
-77.5°	2.4	3.1	3.6	3.8	4.1	4.6	5.4	6.6	8.0	9.4	11.0
-80°	2.4	3.1	3.6	3.7	4.0	4.4	4.8	5.9	7.0	8.2	9.6
-82.5°	2.4	3.1	3.6	3.7	3.9	4.2	4.5	5.2	6.0	7.0	8.1
-85°	2.4	3.1	3.6	3.7	3.8	4.0	4.2	4.7	5.2	5.9	6.6
-87.5°	2.4	3.0	3.6	3.6	3.7	3.8	3.9	4.1	4.4	4.7	5.1
-90°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4



REPORT NUMBER: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-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	4.2	4.5	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
87.5°	2.1	1.8	1.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	2.1	1.8	1.6	1.4	1.4	1.4	1.3	1.2	1.2	1.2	1.2
82.5°	2.2	2.1	2.1	2.1	2.0	1.8	1.5	1.4	1.4	1.4	1.3
80°	2.4	2.4	2.4	2.4	2.3	2.2	2.1	2.2	2.1	1.9	1.8
77.5°	2.4	2.4	2.4	2.4	2.4	2.5	2.7	3.0	3.0	2.9	2.7
75°	2.4	2.4	2.5	2.4	2.5	2.8	3.2	3.5	3.5	3.4	3.4
72.5°	2.6	2.7	2.7	2.5	2.8	3.2	3.5	3.6	4.3	5.3	6.0
70°	3.1	3.1	3.1	3.1	3.4	3.9	5.1	6.8	8.5	9.7	11.3
67.5°	3.5	3.4	3.4	3.7	4.6	6.0	7.9	12.1	16.8	18.6	19.5
65°	3.6	3.6	3.9	4.7	5.9	9.4	14.0	19.5	25.2	26.5	26.5
62.5°	3.6	3.8	4.4	6.2	9.6	14.0	20.0	26.1	32.2	31.2	27.6
60°	3.7	3.9	6.0	9.6	13.6	19.5	26.1	29.4	31.3	31.1	26.8
57.5°	3.9	5.3	8.9	13.4	19.1	24.2	26.3	28.3	29.4	30.4	25.2
55°	4.9	7.7	12.3	18.3	22.9	23.9	25.1	25.8	26.8	24.9	19.3
52.5°	7.1	10.4	16.5	21.7	23.7	23.5	22.3	22.5	20.8	18.2	15.3
50°	9.1	14.4	20.1	23.3	24.3	22.5	19.4	18.4	16.7	14.5	12.6
47.5°	12.2	18.2	22.3	24.9	24.4	21.9	18.2	15.9	14.1	13.6	11.7
45°	15.6	20.9	24.7	25.9	24.6	21.4	18.4	14.4	15.2	15.1	14.9
42.5°	18.8	23.1	26.3	27.3	24.6	22.5	19.8	18.9	18.8	21.1	22.7
40°	20.9	25.1	28.3	28.5	25.6	25.0	26.9	28.0	26.9	31.0	34.4
37.5°	22.7	27.3	31.2	32.6	28.9	31.9	36.4	49.0	50.2	43.0	55.0
35°	24.5	29.9	37.1	42.7	42.5	42.8	62.1	81.3	90.2	79.0	89.4
32.5°	26.6	32.9	45.2	59.7	71.8	73.7	94.7	133.7	152.0	152.7	151.3
30°	29.8	40.6	57.9	81.8	112.3	141.8	157.8	200.6	230.1	280.4	318.5
27.5°	34.2	50.6	79.2	119.2	167.2	225.8	261.4	286.2	358.7	452.8	554.3
25°	39.2	70.6	103.8	167.1	248.7	323.1	368.6	398.4	524.9	711.6	842.3
22.5°	50.1	96.4	139.8	221.5	340.6	424.3	472.3	568.3	764.6	1015.3	1169.9
20°	68.9	127.9	182.1	271.1	434.7	528.0	573.4	763.9	1067.0	1324.0	1537.0
17.5°	90.6	159.7	224.0	329.2	487.6	607.7	684.9	973.3	1389.0	1619.8	1863.8
15°	114.5	191.4	261.4	380.9	538.6	654.9	822.0	1225.7	1683.6	1904.0	2155.7
12.5°	139.7	222.8	294.5	426.2	588.8	698.5	944.6	1405.7	1835.7	2134.1	2460.7
10°	165.5	253.4	323.6	465.2	637.3	738.7	1059.8	1555.8	1916.1	2196.8	2577.8
7.5°	181.5	274.5	347.5	498.3	682.9	775.3	1165.0	1676.9	1973.1	2233.9	2593.8
5°	193.1	284.6	359.3	520.8	714.6	804.5	1250.9	1770.3	2010.2	2248.7	2565.4
2.5°	201.6	292.5	369.3	537.8	734.2	824.5	1291.3	1806.3	2034.8	2266.8	2569.6
0°	207.1	298.1	377.2	549.6	747.1	841.7	1312.3	1818.8	2049.9	2282.1	2612.6
-2.5°	214.5	306.3	389.8	561.6	750.4	845.5	1315.4	1813.9	2058.6	2318.8	2659.1
-5°	219.3	312.2	399.8	568.4	748.0	846.0	1298.8	1787.9	2046.0	2309.9	2641.2
-7.5°	222.2	315.9	407.0	569.0	735.2	833.3	1242.5	1706.5	1975.8	2223.4	2549.0
-10°	224.6	321.0	413.8	559.3	710.5	810.9	1163.0	1609.8	1897.8	2125.9	2431.7
-12.5°	232.1	327.9	418.9	547.6	685.1	785.8	1065.8	1500.8	1813.7	2018.8	2305.1
-15°	237.4	333.5	421.8	534.8	660.5	758.0	951.5	1382.0	1749.6	1979.9	2225.4
-17.5°	240.5	338.0	422.9	521.9	638.1	727.7	825.8	1271.8	1698.6	1958.9	2185.6
-20°	241.4	341.7	422.2	509.6	618.3	709.7	798.0	1138.0	1573.8	1925.4	2150.3



REPORT NUMBER: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	240.3	344.6	421.1	504.0	605.6	701.6	787.3	990.1	1409.1	1877.0	2105.3
-25°	239.5	340.6	420.9	496.2	591.2	691.8	776.2	851.8	1223.9	1691.1	2044.7
-27.5°	238.0	334.2	412.4	483.7	573.2	678.1	763.2	837.8	1053.1	1479.9	1949.5
-30°	232.7	317.2	400.8	468.1	555.0	654.9	748.5	827.5	908.0	1264.3	1702.4
-32.5°	220.7	298.6	381.7	453.0	532.4	627.9	727.7	809.4	891.2	1021.9	1437.4
-35°	207.9	281.0	359.3	434.1	505.1	597.0	692.3	785.2	866.5	952.0	1154.8
-37.5°	198.1	261.8	336.0	410.5	481.1	561.8	652.9	746.9	834.6	922.9	1022.7
-40°	186.1	240.9	312.7	384.2	454.5	527.4	611.6	700.4	792.2	893.9	987.5
-42.5°	172.0	225.4	288.2	357.0	425.2	495.2	567.9	652.0	747.9	855.4	954.5
-45°	154.2	207.6	263.1	327.6	393.5	460.2	529.2	602.1	698.3	801.0	906.3
-47.5°	134.3	187.0	240.6	295.7	359.0	423.3	487.8	561.4	642.7	738.2	840.6
-50°	113.6	162.4	214.8	265.7	321.6	383.3	445.5	516.4	593.1	672.6	762.2
-52.5°	94.8	135.6	184.5	235.0	285.2	339.9	400.7	466.8	537.8	613.4	687.2
-55°	74.2	110.8	151.4	199.5	249.0	297.8	350.0	410.7	476.0	545.1	614.1
-57.5°	57.7	85.1	120.0	160.2	207.1	255.7	302.1	350.5	407.6	469.6	530.0
-60°	43.2	62.8	89.3	123.3	161.1	205.8	252.1	296.9	342.2	388.0	441.4
-62.5°	30.0	45.2	63.5	87.1	119.4	154.4	195.0	237.6	280.9	320.3	359.3
-65°	25.2	30.3	42.9	60.1	78.3	107.9	140.4	174.4	212.4	246.4	281.5
-67.5°	20.2	24.8	29.4	36.2	51.9	69.0	87.4	116.2	145.8	170.3	195.4
-70°	17.7	19.7	23.4	27.5	31.4	38.3	53.3	69.3	85.3	101.2	121.8
-72.5°	15.5	17.3	19.1	21.1	24.4	27.7	31.0	34.4	43.4	55.6	66.8
-75°	13.6	14.8	16.3	17.9	19.5	21.0	22.7	25.4	28.2	31.0	33.8
-77.5°	11.9	12.8	13.8	14.8	16.0	17.3	18.6	19.8	20.9	22.0	23.2
-80°	10.2	10.8	11.4	12.2	13.0	13.8	14.7	15.7	16.5	17.2	17.9
-82.5°	8.6	9.0	9.4	9.8	10.2	10.5	10.9	11.5	12.1	12.6	13.1
-85°	6.9	7.2	7.5	7.7	8.0	8.2	8.5	8.7	8.9	9.1	9.3
-87.5°	5.4	5.7	5.9	6.2	6.3	6.3	6.4	6.5	6.6	6.6	6.7
-90°	2.1	1.8	1.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



REPORT NUMBER: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.8	5.1	5.4	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.9	0.6
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.6	1.5	1.5	1.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	2.6	2.4	2.3	2.1	1.9	1.8	1.7	1.5	1.2	1.2	1.2
75°	3.5	3.5	3.6	3.4	3.1	2.8	2.6	2.4	2.2	2.2	2.3
72.5°	6.4	6.3	6.1	6.1	5.7	5.5	5.5	5.5	5.3	5.4	5.6
70°	12.3	12.6	12.4	11.6	10.3	9.3	8.8	8.1	7.2	7.1	7.5
67.5°	19.3	18.4	17.4	15.9	13.8	12.0	11.0	10.1	9.3	9.1	9.3
65°	24.6	20.9	18.3	16.2	14.5	12.8	11.6	10.5	9.4	8.7	8.6
62.5°	23.7	19.5	16.7	14.8	13.2	11.8	10.3	9.0	7.6	6.8	6.8
60°	22.3	17.6	13.9	12.1	10.7	9.7	8.4	7.3	6.5	6.0	6.1
57.5°	19.0	13.9	10.6	9.8	8.8	7.7	6.9	6.4	6.2	6.0	6.0
55°	14.6	11.7	9.8	8.7	7.7	6.7	6.0	6.2	6.2	6.0	6.3
52.5°	12.1	10.4	9.0	8.0	7.5	7.2	7.1	7.1	7.2	7.4	7.6
50°	10.8	9.6	9.0	8.3	8.3	8.3	8.3	8.7	9.0	9.1	9.0
47.5°	10.9	10.4	11.0	9.5	9.8	10.7	10.7	10.8	11.6	11.8	11.7
45°	13.7	16.5	16.6	15.3	14.5	17.7	17.9	16.2	24.9	24.4	18.5
42.5°	24.4	26.0	26.2	27.6	30.6	40.3	58.1	74.2	76.7	67.4	46.3
40°	39.4	38.1	41.1	49.4	73.2	94.9	111.3	160.5	160.1	125.3	126.2
37.5°	64.2	62.8	67.4	92.4	100.1	86.5	121.8	125.3	107.3	127.8	129.7
35°	110.6	125.4	109.3	135.7	137.0	122.5	131.5	146.8	125.1	149.8	160.4
32.5°	201.6	227.8	230.3	228.2	241.8	255.1	247.3	284.4	291.0	315.7	342.7
30°	327.6	377.9	416.3	408.9	431.4	471.0	483.9	540.6	597.0	632.1	717.8
27.5°	571.0	596.3	675.1	730.5	717.6	782.3	910.6	950.3	1112.2	1189.6	1301.3
25°	904.1	949.1	1061.3	1192.9	1249.2	1357.5	1565.9	1665.7	1878.3	1986.9	2396.1
22.5°	1316.8	1469.3	1610.1	1786.9	2040.5	2255.9	2487.6	2877.2	3510.0	4419.2	5504.8
20°	1788.0	2043.7	2256.6	2583.1	3003.5	3408.7	4008.2	5736.6	7572.3	11401.4	14002.9
17.5°	2233.8	2639.7	2937.1	3370.8	3991.8	5006.0	7071.0	10934.5	17006.5	24423.9	31504.4
15°	2581.7	2996.6	3547.8	4202.4	5151.0	7135.7	10907.7	18544.2	30120.9	41423.5	53315.7
12.5°	2875.7	3314.4	3918.6	4805.3	6224.1	9791.6	16573.7	28077.1	43338.1	60164.1	77942.3
10°	3064.9	3597.6	4321.3	5492.3	7850.0	12918.4	21735.4	37150.3	57663.5	79631.5	99391.5
7.5°	3098.2	3748.2	4664.8	6089.3	9463.3	16180.3	27874.9	46008.6	68474.8	93217.0	118103.4
5°	3111.5	3888.5	4955.2	6558.2	10571.6	18539.7	31411.6	51683.8	76629.5	102040.1	128823.6
2.5°	3147.0	4026.2	5168.3	6886.4	11210.9	19946.7	33455.4	55749.0	82066.5	109659.4	139521.5
0°	3220.9	4170.4	5214.4	6942.2	11344.8	19976.5	34634.4	58078.4	85612.6	113490.3	144638.1
-2.5°	3260.9	4151.9	5175.5	6828.2	11172.1	19979.7	33501.4	56457.8	83763.4	110963.2	142351.2
-5°	3192.2	3966.5	4936.1	6483.9	10416.3	18381.9	31250.6	52273.1	77476.2	101931.7	127171.9
-7.5°	3044.5	3705.6	4595.8	5995.3	9244.4	15905.3	27182.3	44444.6	65846.0	87106.6	106770.8
-10°	2872.6	3429.1	4159.2	5285.8	7588.2	12576.2	21268.7	34851.1	53233.8	71485.1	88080.0
-12.5°	2687.1	3120.4	3661.0	4440.2	5873.6	9495.8	16119.0	26529.2	39240.1	53008.6	68081.9
-15°	2528.5	2848.0	3257.7	3921.4	5014.7	7074.2	10819.9	17747.5	26862.2	37656.0	48767.2
-17.5°	2421.9	2659.5	3016.3	3522.5	4194.5	5417.9	8128.8	12236.1	18100.8	26179.2	33517.6
-20°	2345.4	2568.8	2852.0	3250.6	3813.4	4675.9	6002.4	8833.3	12692.4	17928.5	22909.7



REPORT NUMBER: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2290.8	2491.9	2731.2	3051.9	3554.5	4228.5	5075.3	6449.2	8879.6	11967.3	15430.2
-25°	2237.1	2403.8	2667.8	3012.7	3358.2	3840.4	4425.6	5100.2	6395.0	7767.8	9893.4
-27.5°	2175.7	2382.0	2676.8	2999.0	3310.3	3549.7	3965.1	4430.4	5116.0	5779.6	6871.7
-30°	2131.0	2394.7	2688.1	2997.7	3237.6	3449.2	3681.5	4037.0	4480.7	4949.8	5451.8
-32.5°	1908.3	2355.5	2656.6	2934.2	3132.6	3329.2	3535.0	3781.7	4065.3	4362.5	4667.4
-35°	1609.8	2086.2	2553.3	2770.9	2972.0	3170.2	3384.8	3584.7	3784.8	3985.8	4177.2
-37.5°	1244.0	1710.8	2152.1	2532.3	2763.2	2965.1	3193.9	3399.0	3574.4	3725.4	3872.8
-40°	1086.7	1249.8	1676.7	2076.9	2412.8	2732.8	2948.4	3175.6	3371.3	3510.6	3635.7
-42.5°	1043.4	1135.3	1229.9	1536.9	1907.8	2236.6	2529.1	2813.3	3082.3	3276.0	3424.8
-45°	1005.9	1083.6	1164.7	1255.2	1345.6	1633.9	1938.0	2244.1	2560.8	2844.2	3073.7
-47.5°	936.4	1030.5	1110.3	1185.2	1257.1	1339.2	1423.9	1545.8	1823.7	2107.3	2365.8
-50°	850.6	938.7	1027.7	1116.3	1182.9	1245.9	1310.3	1383.1	1464.0	1546.6	1616.3
-52.5°	757.1	838.2	920.3	998.4	1073.0	1145.5	1216.2	1280.4	1340.7	1398.9	1433.1
-55°	681.1	746.0	810.8	877.7	945.7	1012.0	1077.8	1144.1	1208.0	1268.9	1303.0
-57.5°	592.5	657.2	719.2	770.2	823.0	876.9	933.1	990.3	1046.3	1098.4	1127.7
-60°	496.3	552.4	606.1	655.6	704.5	752.3	798.4	843.7	887.3	925.1	948.1
-62.5°	399.6	445.3	489.7	531.9	572.9	613.2	656.3	697.3	735.7	766.9	786.1
-65°	317.0	351.9	382.8	413.1	443.1	477.5	514.3	549.0	581.7	607.1	623.8
-67.5°	224.5	254.5	282.9	309.9	334.8	359.3	385.4	410.9	435.5	454.5	468.0
-70°	141.5	160.4	179.1	199.1	220.8	242.4	263.9	283.8	301.9	315.5	325.7
-72.5°	77.1	86.2	95.7	109.9	123.5	137.9	152.7	166.7	179.7	188.9	195.7
-75°	36.6	40.7	48.0	54.6	60.4	66.8	73.2	79.1	84.5	87.3	88.9
-77.5°	25.0	27.1	28.9	30.5	32.0	33.9	35.9	38.0	40.0	41.3	42.4
-80°	18.7	19.5	20.3	21.1	21.9	22.8	23.6	24.4	25.1	25.8	26.4
-82.5°	13.5	14.0	14.4	14.8	15.1	15.7	16.3	16.8	17.4	17.8	18.3
-85°	9.5	9.8	10.0	10.2	10.3	10.7	11.0	11.4	11.7	11.8	11.9
-87.5°	6.8	7.1	7.5	7.8	8.2	8.2	8.3	8.3	8.3	8.3	8.4
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.9	0.6



REPORT NUMBER: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	6.0	6.0	6.6	7.2	6.6	6.0	6.0	6.0	6.0	6.0	6.0
87.5°	0.3	0.0	0.6	1.2	0.6	0.0	0.3	0.6	0.9	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.8	2.4	1.8	1.2	1.2	1.2	1.2	1.2	1.5
75°	2.3	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.4
72.5°	5.8	5.9	6.0	6.0	6.0	5.9	5.8	5.6	5.4	5.3	5.5
70°	7.9	8.3	8.4	8.4	8.4	8.3	7.9	7.5	7.1	7.2	8.1
67.5°	9.5	9.6	9.6	9.6	9.6	9.6	9.5	9.3	9.1	9.3	10.1
65°	8.5	8.4	7.9	7.2	7.9	8.4	8.5	8.6	8.7	9.4	10.5
62.5°	7.0	7.2	7.2	7.2	7.2	7.2	7.0	6.8	6.8	7.6	9.0
60°	6.1	6.1	6.0	6.0	6.0	6.1	6.1	6.1	6.0	6.5	7.3
57.5°	6.0	6.0	6.5	7.2	6.5	6.0	6.0	6.0	6.0	6.2	6.4
55°	6.6	7.0	7.2	7.2	7.2	7.0	6.6	6.3	6.0	6.2	6.2
52.5°	7.6	7.3	7.2	7.2	7.2	7.3	7.6	7.6	7.4	7.2	7.1
50°	8.8	8.5	8.4	8.4	8.4	8.5	8.8	9.0	9.1	9.0	8.7
47.5°	11.5	11.0	10.8	10.8	10.8	11.0	11.5	11.7	11.8	11.6	10.8
45°	18.9	19.0	19.0	19.2	19.0	19.0	18.9	18.5	24.4	24.9	16.2
42.5°	44.4	38.4	33.2	33.5	33.2	38.4	44.4	46.3	67.4	76.7	74.2
40°	113.7	85.1	56.6	47.9	56.6	85.1	113.7	126.2	125.3	160.1	160.5
37.5°	117.1	119.5	140.6	189.2	140.6	119.5	117.1	129.7	127.8	107.3	125.3
35°	163.7	166.2	160.3	156.9	160.3	166.2	163.7	160.4	149.8	125.1	146.8
32.5°	348.1	363.6	361.6	352.0	361.6	363.6	348.1	342.7	315.7	291.0	284.4
30°	749.8	789.0	784.7	792.6	784.7	789.0	749.8	717.8	632.1	597.0	540.6
27.5°	1345.6	1394.0	1402.8	1392.5	1402.8	1394.0	1345.6	1301.3	1189.6	1112.2	950.3
25°	2671.0	2747.6	2719.6	2683.3	2719.6	2747.6	2671.0	2396.1	1986.9	1878.3	1665.7
22.5°	6773.8	7077.1	7045.9	6790.1	7045.9	7077.1	6773.8	5504.8	4419.2	3510.0	2877.2
20°	18610.4	20613.0	21484.5	20303.4	21484.5	20613.0	18610.4	14002.9	11401.4	7572.3	5736.6
17.5°	39391.5	45493.0	49831.2	51641.5	49831.2	45493.0	39391.5	31504.4	24423.9	17006.5	10934.5
15°	64434.4	73619.0	78960.5	78242.9	78960.5	73619.0	64434.4	53315.7	41423.5	30120.9	18544.2
12.5°	92653.5	103539.5	112561.0	112752.3	112561.0	103539.5	92653.5	77942.3	60164.1	43338.1	28077.1
10°	119948.6	135057.3	147370.6	149756.8	147370.6	135057.3	119948.6	99391.5	79631.5	57663.5	37150.3
7.5°	140426.1	163587.5	179044.3	184707.9	179044.3	163587.5	140426.1	118103.4	93217.0	68474.8	46008.6
5°	160662.8	184932.1	200681.7	203475.7	200681.7	184932.1	160662.8	128823.6	102040.1	76629.5	51683.8
2.5°	174312.0	198793.4	212575.5	222135.1	212575.5	198793.4	174312.0	139521.5	109659.4	82066.5	55749.0
0°	182307.2	202254.4	225059.6	235655.5	225059.6	202254.4	182307.2	144638.1	113490.3	85612.6	58078.4
-2.5°	176262.2	198702.2	211758.7	223799.4	211758.7	198702.2	176262.2	142351.2	110963.2	83763.4	56457.8
-5°	156241.6	180646.4	192181.1	193686.2	192181.1	180646.4	156241.6	127171.9	101931.7	77476.2	52273.1
-7.5°	127667.8	150390.6	161465.1	167578.6	161465.1	150390.6	127667.8	106770.8	87106.6	65846.0	44444.6
-10°	103348.3	116609.0	124064.2	124555.1	124064.2	116609.0	103348.3	88080.0	71485.1	53233.8	34851.1
-12.5°	79790.3	88685.1	93094.4	92933.2	93094.4	88685.1	79790.3	68081.9	53008.6	39240.1	26529.2
-15°	58551.5	65461.8	69439.1	71346.2	69439.1	65461.8	58551.5	48767.2	37656.0	26862.2	17747.5
-17.5°	41327.6	46817.2	50802.5	52412.6	50802.5	46817.2	41327.6	33517.6	26179.2	18100.8	12236.1
-20°	28174.4	31936.7	34522.2	35619.8	34522.2	31936.7	28174.4	22909.7	17928.5	12692.4	8833.3



REPORT NUMBER: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18558.1	21080.4	22853.1	22757.9	22853.1	21080.4	18558.1	15430.2	11967.3	8879.6	6449.2
-25°	11830.5	13217.4	14128.0	14201.7	14128.0	13217.4	11830.5	9893.4	7767.8	6395.0	5100.2
-27.5°	7830.2	8439.9	8807.3	8871.1	8807.3	8439.9	7830.2	6871.7	5779.6	5116.0	4430.4
-30°	5926.4	6207.0	6417.0	6408.2	6417.0	6207.0	5926.4	5451.8	4949.8	4480.7	4037.0
-32.5°	4926.8	5064.9	5156.9	5231.2	5156.9	5064.9	4926.8	4667.4	4362.5	4065.3	3781.7
-35°	4308.6	4378.9	4430.2	4476.9	4430.2	4378.9	4308.6	4177.2	3985.8	3784.8	3584.7
-37.5°	3957.6	4006.2	4038.5	4049.4	4038.5	4006.2	3957.6	3872.8	3725.4	3574.4	3399.0
-40°	3683.5	3710.9	3727.2	3736.9	3727.2	3710.9	3683.5	3635.7	3510.6	3371.3	3175.6
-42.5°	3477.9	3515.5	3535.0	3534.6	3535.0	3515.5	3477.9	3424.8	3276.0	3082.3	2813.3
-45°	3205.3	3300.4	3358.0	3382.5	3358.0	3300.4	3205.3	3073.7	2844.2	2560.8	2244.1
-47.5°	2577.6	2758.2	2884.9	2951.5	2884.9	2758.2	2577.6	2365.8	2107.3	1823.7	1545.8
-50°	1679.0	1739.4	1764.7	1754.1	1764.7	1739.4	1679.0	1616.3	1546.6	1464.0	1383.1
-52.5°	1458.5	1480.2	1493.3	1499.1	1493.3	1480.2	1458.5	1433.1	1398.9	1340.7	1280.4
-55°	1331.8	1355.9	1371.4	1379.3	1371.4	1355.9	1331.8	1303.0	1268.9	1208.0	1144.1
-57.5°	1152.2	1171.6	1183.5	1189.0	1183.5	1171.6	1152.2	1127.7	1098.4	1046.3	990.3
-60°	967.8	983.7	994.2	999.8	994.2	983.7	967.8	948.1	925.1	887.3	843.7
-62.5°	801.5	813.3	823.7	831.0	823.7	813.3	801.5	786.1	766.9	735.7	697.3
-65°	637.5	647.9	655.4	659.7	655.4	647.9	637.5	623.8	607.1	581.7	549.0
-67.5°	479.1	487.6	494.7	499.3	494.7	487.6	479.1	468.0	454.5	435.5	410.9
-70°	334.1	340.4	346.5	350.8	346.5	340.4	334.1	325.7	315.5	301.9	283.8
-72.5°	201.1	205.1	206.9	207.1	206.9	205.1	201.1	195.7	188.9	179.7	166.7
-75°	89.8	90.0	91.9	93.4	91.9	90.0	89.8	88.9	87.3	84.5	79.1
-77.5°	43.2	44.0	44.8	45.5	44.8	44.0	43.2	42.4	41.3	40.0	38.0
-80°	26.9	27.4	27.5	27.5	27.5	27.4	26.9	26.4	25.8	25.1	24.4
-82.5°	18.7	19.1	19.2	19.2	19.2	19.1	18.7	18.3	17.8	17.4	16.8
-85°	11.9	12.0	12.0	12.0	12.0	12.0	11.9	11.9	11.8	11.7	11.4
-87.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.3	8.3	8.3
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	1.2	1.2



REPORT NUMBER: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	6.0	6.0	6.0	5.7	5.4	5.1	4.8	4.8	4.8	4.8	4.8
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.4	1.4	1.4
80°	1.2	1.2	1.2	1.4	1.5	1.5	1.6	1.8	1.9	2.1	2.2
77.5°	1.7	1.8	1.9	2.1	2.3	2.4	2.6	2.7	2.9	3.0	3.0
75°	2.6	2.8	3.1	3.4	3.6	3.5	3.5	3.4	3.4	3.5	3.5
72.5°	5.5	5.5	5.7	6.1	6.1	6.3	6.4	6.0	5.3	4.3	3.6
70°	8.8	9.3	10.3	11.6	12.4	12.6	12.3	11.3	9.7	8.5	6.8
67.5°	11.0	12.0	13.8	15.9	17.4	18.4	19.3	19.5	18.6	16.8	12.1
65°	11.6	12.8	14.5	16.2	18.3	20.9	24.6	26.5	26.5	25.2	19.5
62.5°	10.3	11.8	13.2	14.8	16.7	19.5	23.7	27.6	31.2	32.2	26.1
60°	8.4	9.7	10.7	12.1	13.9	17.6	22.3	26.8	31.1	31.3	29.4
57.5°	6.9	7.7	8.8	9.8	10.6	13.9	19.0	25.2	30.4	29.4	28.3
55°	6.0	6.7	7.7	8.7	9.8	11.7	14.6	19.3	24.9	26.8	25.8
52.5°	7.1	7.2	7.5	8.0	9.0	10.4	12.1	15.3	18.2	20.8	22.5
50°	8.3	8.3	8.3	8.3	9.0	9.6	10.8	12.6	14.5	16.7	18.4
47.5°	10.7	10.7	9.8	9.5	11.0	10.4	10.9	11.7	13.6	14.1	15.9
45°	17.9	17.7	14.5	15.3	16.6	16.5	13.7	14.9	15.1	15.2	14.4
42.5°	58.1	40.3	30.6	27.6	26.2	26.0	24.4	22.7	21.1	18.8	18.9
40°	111.3	94.9	73.2	49.4	41.1	38.1	39.4	34.4	31.0	26.9	28.0
37.5°	121.8	86.5	100.1	92.4	67.4	62.8	64.2	55.0	43.0	50.2	49.0
35°	131.5	122.5	137.0	135.7	109.3	125.4	110.6	89.4	79.0	90.2	81.3
32.5°	247.3	255.1	241.8	228.2	230.3	227.8	201.6	151.3	152.7	152.0	133.7
30°	483.9	471.0	431.4	408.9	416.3	377.9	327.6	318.5	280.4	230.1	200.6
27.5°	910.6	782.3	717.6	730.5	675.1	596.3	571.0	554.3	452.8	358.7	286.2
25°	1565.9	1357.5	1249.2	1192.9	1061.3	949.1	904.1	842.3	711.6	524.9	398.4
22.5°	2487.6	2255.9	2040.5	1786.9	1610.1	1469.3	1316.8	1169.9	1015.3	764.6	568.3
20°	4008.2	3408.7	3003.5	2583.1	2256.6	2043.7	1788.0	1537.0	1324.0	1067.0	763.9
17.5°	7071.0	5006.0	3991.8	3370.8	2937.1	2639.7	2233.8	1863.8	1619.8	1389.0	973.3
15°	10907.7	7135.7	5151.0	4202.4	3547.8	2996.6	2581.7	2155.7	1904.0	1683.6	1225.7
12.5°	16573.7	9791.6	6224.1	4805.3	3918.6	3314.4	2875.7	2460.7	2134.1	1835.7	1405.7
10°	21735.4	12918.4	7850.0	5492.3	4321.3	3597.6	3064.9	2577.8	2196.8	1916.1	1555.8
7.5°	27874.9	16180.3	9463.3	6089.3	4664.8	3748.2	3098.2	2593.8	2233.9	1973.1	1676.9
5°	31411.6	18539.7	10571.6	6558.2	4955.2	3888.5	3111.5	2565.4	2248.7	2010.2	1770.3
2.5°	33455.4	19946.7	11210.9	6886.4	5168.3	4026.2	3147.0	2569.6	2266.8	2034.8	1806.3
0°	34634.4	19976.5	11344.8	6942.2	5214.4	4170.4	3220.9	2612.6	2282.1	2049.9	1818.8
-2.5°	33501.4	19979.7	11172.1	6828.2	5175.5	4151.9	3260.9	2659.1	2318.8	2058.6	1813.9
-5°	31250.6	18381.9	10416.3	6483.9	4936.1	3966.5	3192.2	2641.2	2309.9	2046.0	1787.9
-7.5°	27182.3	15905.3	9244.4	5995.3	4595.8	3705.6	3044.5	2549.0	2223.4	1975.8	1706.5
-10°	21268.7	12576.2	7588.2	5285.8	4159.2	3429.1	2872.6	2431.7	2125.9	1897.8	1609.8
-12.5°	16119.0	9495.8	5873.6	4440.2	3661.0	3120.4	2687.1	2305.1	2018.8	1813.7	1500.8
-15°	10819.9	7074.2	5014.7	3921.4	3257.7	2848.0	2528.5	2225.4	1979.9	1749.6	1382.0
-17.5°	8128.8	5417.9	4194.5	3522.5	3016.3	2659.5	2421.9	2185.6	1958.9	1698.6	1271.8
-20°	6002.4	4675.9	3813.4	3250.6	2852.0	2568.8	2345.4	2150.3	1925.4	1573.8	1138.0



REPORT NUMBER: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5075.3	4228.5	3554.5	3051.9	2731.2	2491.9	2290.8	2105.3	1877.0	1409.1	990.1
-25°	4425.6	3840.4	3358.2	3012.7	2667.8	2403.8	2237.1	2044.7	1691.1	1223.9	851.8
-27.5°	3965.1	3549.7	3310.3	2999.0	2676.8	2382.0	2175.7	1949.5	1479.9	1053.1	837.8
-30°	3681.5	3449.2	3237.6	2997.7	2688.1	2394.7	2131.0	1702.4	1264.3	908.0	827.5
-32.5°	3535.0	3329.2	3132.6	2934.2	2656.6	2355.5	1908.3	1437.4	1021.9	891.2	809.4
-35°	3384.8	3170.2	2972.0	2770.9	2553.3	2086.2	1609.8	1154.8	952.0	866.5	785.2
-37.5°	3193.9	2965.1	2763.2	2532.3	2152.1	1710.8	1244.0	1022.7	922.9	834.6	746.9
-40°	2948.4	2732.8	2412.8	2076.9	1676.7	1249.8	1086.7	987.5	893.9	792.2	700.4
-42.5°	2529.1	2236.6	1907.8	1536.9	1229.9	1135.3	1043.4	954.5	855.4	747.9	652.0
-45°	1938.0	1633.9	1345.6	1255.2	1164.7	1083.6	1005.9	906.3	801.0	698.3	602.1
-47.5°	1423.9	1339.2	1257.1	1185.2	1110.3	1030.5	936.4	840.6	738.2	642.7	561.4
-50°	1310.3	1245.9	1182.9	1116.3	1027.7	938.7	850.6	762.2	672.6	593.1	516.4
-52.5°	1216.2	1145.5	1073.0	998.4	920.3	838.2	757.1	687.2	613.4	537.8	466.8
-55°	1077.8	1012.0	945.7	877.7	810.8	746.0	681.1	614.1	545.1	476.0	410.7
-57.5°	933.1	876.9	823.0	770.2	719.2	657.2	592.5	530.0	469.6	407.6	350.5
-60°	798.4	752.3	704.5	655.6	606.1	552.4	496.3	441.4	388.0	342.2	296.9
-62.5°	656.3	613.2	572.9	531.9	489.7	445.3	399.6	359.3	320.3	280.9	237.6
-65°	514.3	477.5	443.1	413.1	382.8	351.9	317.0	281.5	246.4	212.4	174.4
-67.5°	385.4	359.3	334.8	309.9	282.9	254.5	224.5	195.4	170.3	145.8	116.2
-70°	263.9	242.4	220.8	199.1	179.1	160.4	141.5	121.8	101.2	85.3	69.3
-72.5°	152.7	137.9	123.5	109.9	95.7	86.2	77.1	66.8	55.6	43.4	34.4
-75°	73.2	66.8	60.4	54.6	48.0	40.7	36.6	33.8	31.0	28.2	25.4
-77.5°	35.9	33.9	32.0	30.5	28.9	27.1	25.0	23.2	22.0	20.9	19.8
-80°	23.6	22.8	21.9	21.1	20.3	19.5	18.7	17.9	17.2	16.5	15.7
-82.5°	16.3	15.7	15.1	14.8	14.4	14.0	13.5	13.1	12.6	12.1	11.5
-85°	11.0	10.7	10.3	10.2	10.0	9.8	9.5	9.3	9.1	8.9	8.7
-87.5°	8.3	8.2	8.2	7.8	7.5	7.1	6.8	6.7	6.6	6.6	6.5
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



REPORT NUMBER: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	4.8	4.8	4.8	4.8	4.5	4.2	3.9	3.6	3.6	3.6	3.6
87.5°	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.4	2.4	2.4
85°	1.3	1.4	1.4	1.4	1.6	1.8	2.1	2.4	2.4	2.4	2.4
82.5°	1.5	1.8	2.0	2.1	2.1	2.1	2.2	2.4	2.4	2.4	2.4
80°	2.1	2.2	2.3	2.4	2.4	2.4	2.4	2.4	2.6	2.6	2.6
77.5°	2.7	2.5	2.4	2.4	2.4	2.4	2.4	2.5	2.7	2.9	2.9
75°	3.2	2.8	2.5	2.4	2.5	2.4	2.4	2.5	2.8	3.1	3.2
72.5°	3.5	3.2	2.8	2.5	2.7	2.7	2.6	2.5	2.8	3.1	3.4
70°	5.1	3.9	3.4	3.1	3.1	3.1	3.1	2.9	2.9	3.1	3.4
67.5°	7.9	6.0	4.6	3.7	3.4	3.4	3.5	3.3	3.1	3.2	3.5
65°	14.0	9.4	5.9	4.7	3.9	3.6	3.6	3.6	3.4	3.3	3.5
62.5°	20.0	14.0	9.6	6.2	4.4	3.8	3.6	3.8	3.6	3.5	3.5
60°	26.1	19.5	13.6	9.6	6.0	3.9	3.7	3.9	3.9	3.6	3.6
57.5°	26.3	24.2	19.1	13.4	8.9	5.3	3.9	4.1	4.1	3.8	3.6
55°	25.1	23.9	22.9	18.3	12.3	7.7	4.9	4.4	4.4	4.1	3.7
52.5°	22.3	23.5	23.7	21.7	16.5	10.4	7.1	4.7	4.7	4.5	4.0
50°	19.4	22.5	24.3	23.3	20.1	14.4	9.1	6.3	5.1	4.8	4.3
47.5°	18.2	21.9	24.4	24.9	22.3	18.2	12.2	7.9	5.5	5.2	4.7
45°	18.4	21.4	24.6	25.9	24.7	20.9	15.6	9.4	6.8	5.6	5.0
42.5°	19.8	22.5	24.6	27.3	26.3	23.1	18.8	12.1	7.9	6.0	5.3
40°	26.9	25.0	25.6	28.5	28.3	25.1	20.9	14.9	8.9	6.5	5.6
37.5°	36.4	31.9	28.9	32.6	31.2	27.3	22.7	17.6	10.3	7.3	5.9
35°	62.1	42.8	42.5	42.7	37.1	29.9	24.5	19.8	12.7	8.0	6.2
32.5°	94.7	73.7	71.8	59.7	45.2	32.9	26.6	21.7	15.2	8.7	6.5
30°	157.8	141.8	112.3	81.8	57.9	40.6	29.8	23.7	17.6	9.3	6.8
27.5°	261.4	225.8	167.2	119.2	79.2	50.6	34.2	25.8	20.0	10.3	7.3
25°	368.6	323.1	248.7	167.1	103.8	70.6	39.2	28.0	21.9	12.2	7.8
22.5°	472.3	424.3	340.6	221.5	139.8	96.4	50.1	31.9	23.6	14.0	8.2
20°	573.4	528.0	434.7	271.1	182.1	127.9	68.9	36.2	25.3	15.8	8.5
17.5°	684.9	607.7	487.6	329.2	224.0	159.7	90.6	40.6	26.9	17.4	8.8
15°	822.0	654.9	538.6	380.9	261.4	191.4	114.5	45.1	28.5	18.9	9.2
12.5°	944.6	698.5	588.8	426.2	294.5	222.8	139.7	49.7	30.1	20.6	9.7
10°	1059.8	738.7	637.3	465.2	323.6	253.4	165.5	54.8	32.5	22.6	10.2
7.5°	1165.0	775.3	682.9	498.3	347.5	274.5	181.5	61.1	35.1	24.4	10.7
5°	1250.9	804.5	714.6	520.8	359.3	284.6	193.1	67.1	37.5	26.0	11.2
2.5°	1291.3	824.5	734.2	537.8	369.3	292.5	201.6	72.7	39.8	27.5	11.6
0°	1312.3	841.7	747.1	549.6	377.2	298.1	207.1	77.8	41.9	28.7	12.0
-2.5°	1315.4	845.5	750.4	561.6	389.8	306.3	214.5	91.7	52.7	35.3	15.7
-5°	1298.8	846.0	748.0	568.4	399.8	312.2	219.3	104.6	63.0	41.5	19.3
-7.5°	1242.5	833.3	735.2	569.0	407.0	315.9	222.2	116.5	72.7	47.2	22.7
-10°	1163.0	810.9	710.5	559.3	413.8	321.0	224.6	127.3	81.5	52.3	25.7
-12.5°	1065.8	785.8	685.1	547.6	418.9	327.9	232.1	138.1	89.4	56.5	28.3
-15°	951.5	758.0	660.5	534.8	421.8	333.5	237.4	147.7	96.6	60.4	30.4
-17.5°	825.8	727.7	638.1	521.9	422.9	338.0	240.5	155.0	102.6	63.7	32.4
-20°	798.0	709.7	618.3	509.6	422.2	341.7	241.4	159.9	107.3	65.9	34.1



REPORT NUMBER: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	787.3	701.6	605.6	504.0	421.1	344.6	240.3	162.1	110.6	67.0	35.1
-25°	776.2	691.8	591.2	496.2	420.9	340.6	239.5	161.5	112.5	66.8	35.2
-27.5°	763.2	678.1	573.2	483.7	412.4	334.2	238.0	163.0	112.6	65.2	34.6
-30°	748.5	654.9	555.0	468.1	400.8	317.2	232.7	162.7	110.6	63.8	33.0
-32.5°	727.7	627.9	532.4	453.0	381.7	298.6	220.7	160.4	106.7	61.9	31.9
-35°	692.3	597.0	505.1	434.1	359.3	281.0	207.9	155.9	101.0	58.7	30.5
-37.5°	652.9	561.8	481.1	410.5	336.0	261.8	198.1	146.0	93.4	54.3	28.4
-40°	611.6	527.4	454.5	384.2	312.7	240.9	186.1	133.6	86.3	48.5	25.5
-42.5°	567.9	495.2	425.2	357.0	288.2	225.4	172.0	119.4	77.2	43.5	22.0
-45°	529.2	460.2	393.5	327.6	263.1	207.6	154.2	104.1	66.6	38.6	19.1
-47.5°	487.8	423.3	359.0	295.7	240.6	187.0	134.3	90.6	54.8	32.6	17.8
-50°	445.5	383.3	321.6	265.7	214.8	162.4	113.6	75.5	46.7	25.5	16.3
-52.5°	400.7	339.9	285.2	235.0	184.5	135.6	94.8	59.7	37.8	21.7	14.6
-55°	350.0	297.8	249.0	199.5	151.4	110.8	74.2	48.7	28.2	19.4	12.8
-57.5°	302.1	255.7	207.1	160.2	120.0	85.1	57.7	36.9	23.6	16.8	12.1
-60°	252.1	205.8	161.1	123.3	89.3	62.8	43.2	27.2	20.4	14.5	11.4
-62.5°	195.0	154.4	119.4	87.1	63.5	45.2	30.0	23.3	17.1	13.5	10.6
-65°	140.4	107.9	78.3	60.1	42.9	30.3	25.2	19.3	15.4	12.5	9.9
-67.5°	87.4	69.0	51.9	36.2	29.4	24.8	20.2	16.9	14.0	11.4	9.3
-70°	53.3	38.3	31.4	27.5	23.4	19.7	17.7	15.3	12.6	10.6	8.7
-72.5°	31.0	27.7	24.4	21.1	19.1	17.3	15.5	13.6	11.6	9.7	8.0
-75°	22.7	21.0	19.5	17.9	16.3	14.8	13.6	12.3	10.5	8.9	7.3
-77.5°	18.6	17.3	16.0	14.8	13.8	12.8	11.9	11.0	9.4	8.0	6.6
-80°	14.7	13.8	13.0	12.2	11.4	10.8	10.2	9.6	8.2	7.0	5.9
-82.5°	10.9	10.5	10.2	9.8	9.4	9.0	8.6	8.1	7.0	6.0	5.2
-85°	8.5	8.2	8.0	7.7	7.5	7.2	6.9	6.6	5.9	5.2	4.7
-87.5°	6.4	6.3	6.3	6.2	5.9	5.7	5.4	5.1	4.7	4.4	4.1
-90°	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.4	2.4	2.4



REPORT NUMBER: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	3.6	3.6	3.6	3.6	3.6	3.0	2.4
87.5°	2.4	2.5	2.5	2.5	2.5	2.5	2.4
85°	2.4	2.5	2.6	2.6	2.6	2.5	2.4
82.5°	2.4	2.6	2.7	2.8	2.7	2.6	2.4
80°	2.5	2.7	2.8	2.9	2.8	2.6	2.4
77.5°	2.8	2.8	2.9	3.0	2.9	2.7	2.4
75°	3.1	3.0	3.1	3.1	3.0	2.7	2.4
72.5°	3.4	3.2	3.2	3.2	3.1	2.8	2.4
70°	3.6	3.4	3.3	3.4	3.2	2.8	2.4
67.5°	3.6	3.5	3.4	3.4	3.3	2.9	2.4
65°	3.6	3.6	3.4	3.4	3.4	2.9	2.4
62.5°	3.6	3.6	3.5	3.5	3.5	3.0	2.4
60°	3.6	3.6	3.6	3.5	3.6	3.0	2.4
57.5°	3.7	3.6	3.6	3.5	3.6	3.0	2.4
55°	3.7	3.6	3.6	3.6	3.6	3.1	2.4
52.5°	3.8	3.6	3.6	3.6	3.6	3.1	2.4
50°	3.9	3.7	3.6	3.6	3.6	3.2	2.4
47.5°	4.1	3.8	3.6	3.6	3.6	3.2	2.4
45°	4.4	4.0	3.6	3.6	3.6	3.2	2.4
42.5°	4.6	4.1	3.6	3.6	3.6	3.3	2.4
40°	4.9	4.3	3.7	3.6	3.6	3.3	2.4
37.5°	5.2	4.4	3.8	3.6	3.6	3.4	2.4
35°	5.4	4.6	3.9	3.6	3.6	3.4	2.4
32.5°	5.7	4.8	4.0	3.6	3.6	3.4	2.4
30°	5.9	5.0	4.1	3.6	3.6	3.4	2.4
27.5°	6.1	5.2	4.3	3.6	3.6	3.5	2.4
25°	6.3	5.4	4.3	3.6	3.6	3.5	2.4
22.5°	6.5	5.5	4.4	3.6	3.6	3.5	2.4
20°	6.7	5.6	4.5	3.6	3.6	3.5	2.4
17.5°	6.9	5.7	4.6	3.6	3.6	3.5	2.4
15°	7.1	5.8	4.6	3.6	3.6	3.6	2.4
12.5°	7.4	5.9	4.7	3.6	3.6	3.6	2.4
10°	7.6	5.9	4.7	3.6	3.6	3.6	2.4
7.5°	7.8	5.9	4.8	3.6	3.6	3.6	2.4
5°	8.0	6.0	4.8	3.6	3.6	3.6	2.4
2.5°	8.2	6.0	4.8	3.6	3.6	3.6	2.4
0°	8.4	6.0	4.8	3.6	3.6	3.6	2.4
-2.5°	9.8	6.5	5.0	3.8	3.7	3.6	2.4
-5°	11.2	7.0	5.2	3.9	3.7	3.6	2.4
-7.5°	12.5	7.5	5.4	4.1	3.8	3.6	2.4
-10°	13.6	7.9	5.6	4.2	3.8	3.6	2.4
-12.5°	14.6	8.3	5.7	4.4	3.8	3.6	2.4
-15°	15.5	8.7	5.9	4.5	3.9	3.6	2.4
-17.5°	16.1	8.9	6.0	4.6	3.9	3.6	2.4
-20°	16.7	9.2	6.2	4.7	4.0	3.5	2.4



REPORT NUMBER: P701323 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.2	9.3	6.3	4.8	4.0	3.5	2.4
-25°	17.4	9.4	6.4	4.9	4.0	3.5	2.4
-27.5°	17.1	9.5	6.5	5.0	4.0	3.5	2.4
-30°	16.4	9.4	6.6	5.0	4.0	3.5	2.4
-32.5°	15.2	9.2	6.6	5.1	4.0	3.5	2.4
-35°	14.6	9.0	6.7	5.1	4.0	3.4	2.4
-37.5°	14.3	8.7	6.7	5.1	4.0	3.4	2.4
-40°	13.7	8.7	6.6	5.1	4.0	3.4	2.4
-42.5°	13.0	8.6	6.6	5.1	4.0	3.4	2.4
-45°	12.2	8.5	6.5	5.0	4.0	3.4	2.4
-47.5°	11.1	8.4	6.4	5.0	3.9	3.4	2.4
-50°	10.7	8.1	6.3	4.9	3.9	3.3	2.4
-52.5°	10.3	7.9	6.2	4.8	3.8	3.3	2.4
-55°	9.9	7.6	6.0	4.7	3.7	3.3	2.4
-57.5°	9.4	7.4	5.9	4.6	3.7	3.3	2.4
-60°	8.8	7.1	5.7	4.5	3.6	3.3	2.4
-62.5°	8.5	6.8	5.5	4.3	3.6	3.2	2.4
-65°	8.0	6.5	5.2	4.2	3.6	3.2	2.4
-67.5°	7.6	6.2	5.0	4.0	3.6	3.2	2.4
-70°	7.1	5.8	4.8	3.9	3.6	3.2	2.4
-72.5°	6.5	5.4	4.5	3.8	3.6	3.2	2.4
-75°	6.0	5.0	4.2	3.8	3.6	3.1	2.4
-77.5°	5.4	4.6	4.1	3.8	3.6	3.1	2.4
-80°	4.8	4.4	4.0	3.7	3.6	3.1	2.4
-82.5°	4.5	4.2	3.9	3.7	3.6	3.1	2.4
-85°	4.2	4.0	3.8	3.7	3.6	3.1	2.4
-87.5°	3.9	3.8	3.7	3.6	3.6	3.0	2.4
-90°	2.4	2.4	2.4	2.4	2.4	2.4	2.4

(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

