

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: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-70-5S-HEG-S**

Issue Date: 8/15/2023

Test Information

Test Method: LM-79-08
Report Number: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/15/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-70-5S-HEG-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

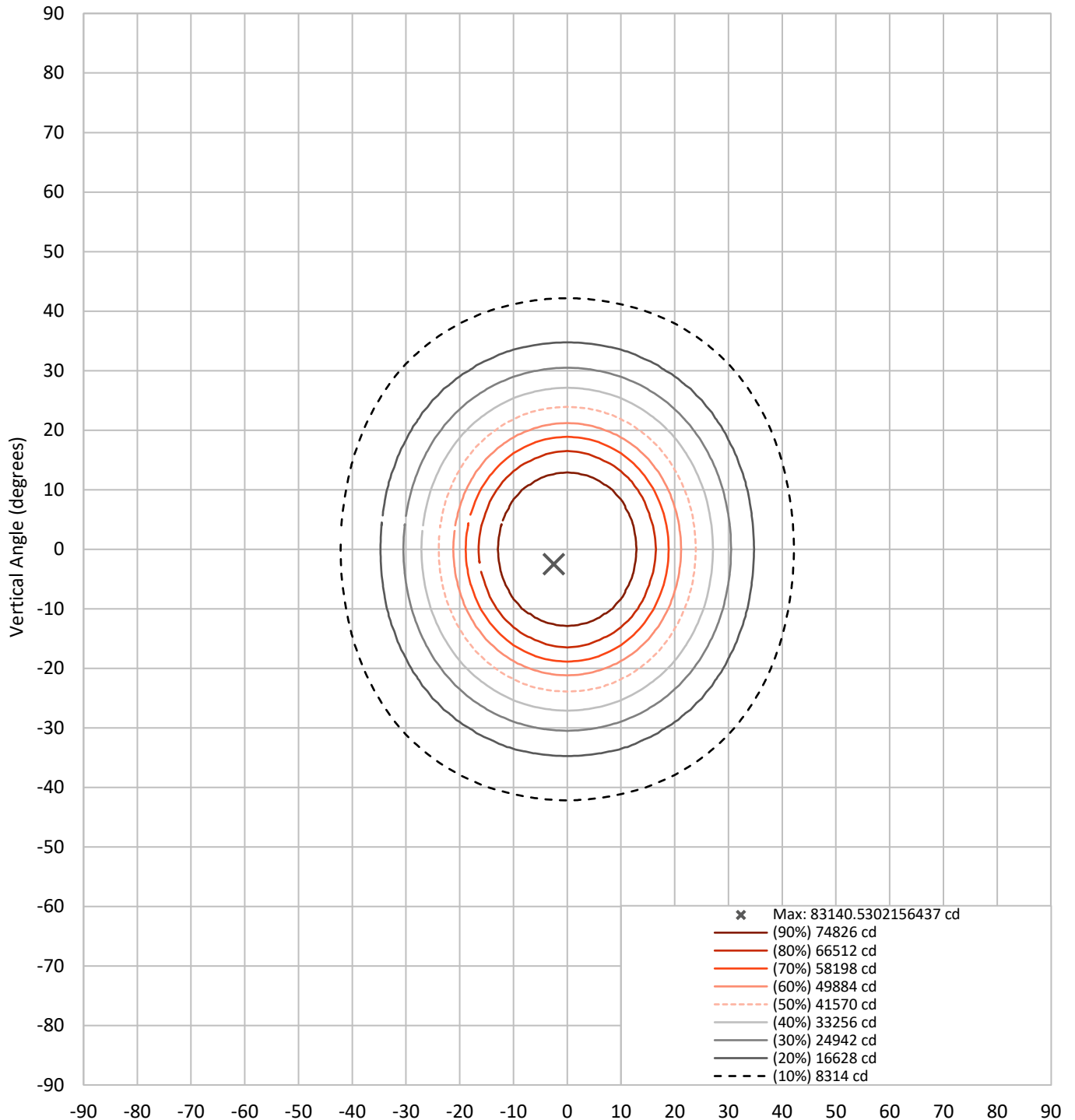
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	60770.7 lumens	Max Intensity:	83140.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	176.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	47.6°H x 47.6°V	Field Angle (10%):	84.3°H x 84.3°V
Beam Lumens:	34092.3 lumens	Field Lumens:	56623.2 lumens
Beam Efficiency:	56.1%	Field Efficiency:	93.2%

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: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-HEG-S

Iso-Candela Plot





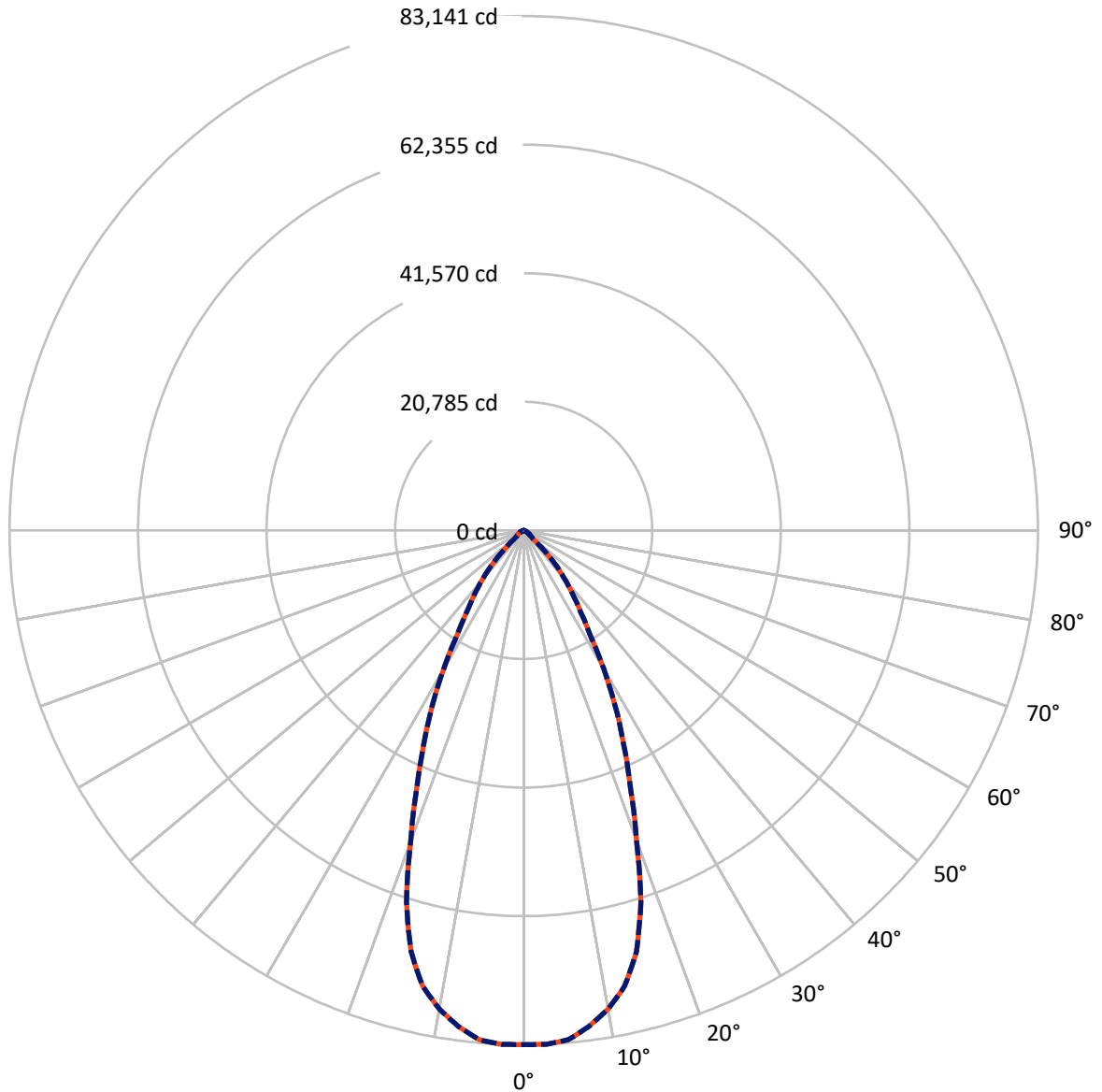
REPORT NUMBER: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-HEG-S

Lumen Table

90																
80	0.1	0.6		1.9		4.1		5.2		4.1		1.9		0.6		0.1
70																
60	0.3	0.3	1.0	2.6	5.4	8.8	11.9	13.6	13.6	11.9	8.8	5.4	2.6	1.0	0.3	0.3
50		0.8	3.1	8.4	16.4	25.0	31.5	34.9	34.9	31.5	25.0	16.4	8.4	3.1	0.8	
40	0.6	1.6	6.9	17.4	30.0	54.1	110.1	155.1	155.1	110.1	54.1	30.0	17.4	6.9	1.6	0.6
30		2.9	11.6	26.0	75.4	228.3	385.5	493.9	493.9	385.5	228.3	75.4	26.0	11.6	2.9	
20	1.2	4.2	16.0	42.7	207.4	472.0	844.7	1133.7	1133.7	844.7	472.0	207.4	42.7	16.0	4.2	1.2
10		5.4	18.9	82.6	329.0	794.9	1477.2	2012.5	2012.5	1477.2	794.9	329.0	82.6	18.9	5.4	
0	1.4	6.0	20.3	112.9	409.4	1035.7	1953.9	2438.9	2438.9	1953.9	1035.7	409.4	112.9	20.3	6.0	1.4
-10		6.0	20.3	112.9	409.4	1035.7	1953.9	2438.9	2438.9	1953.9	1035.7	409.4	112.9	20.3	6.0	
-20	1.2	5.4	18.9	82.6	329.0	794.9	1477.2	2012.5	2012.5	1477.2	794.9	329.0	82.6	18.9	5.4	1.2
-30		4.2	16.0	42.7	207.4	472.0	844.7	1133.7	1133.7	844.7	472.0	207.4	42.7	16.0	4.2	
-40	0.6	2.9	11.6	26.0	75.4	228.3	385.5	493.9	493.9	385.5	228.3	75.4	26.0	11.6	2.9	0.6
-50		1.6	6.9	17.4	30.0	54.1	110.1	155.1	155.1	110.1	54.1	30.0	17.4	6.9	1.6	
-60	0.3	0.8	3.1	8.4	16.4	25.0	31.5	34.9	34.9	31.5	25.0	16.4	8.4	3.1	0.8	0.3
-70		0.3	1.0	2.6	5.4	8.8	11.9	13.6	13.6	11.9	8.8	5.4	2.6	1.0	0.3	
-80																
-90	0.1	0.6		1.9		4.1		5.2		4.1		1.9		0.6		0.1

REPORT NUMBER: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-HEG-S

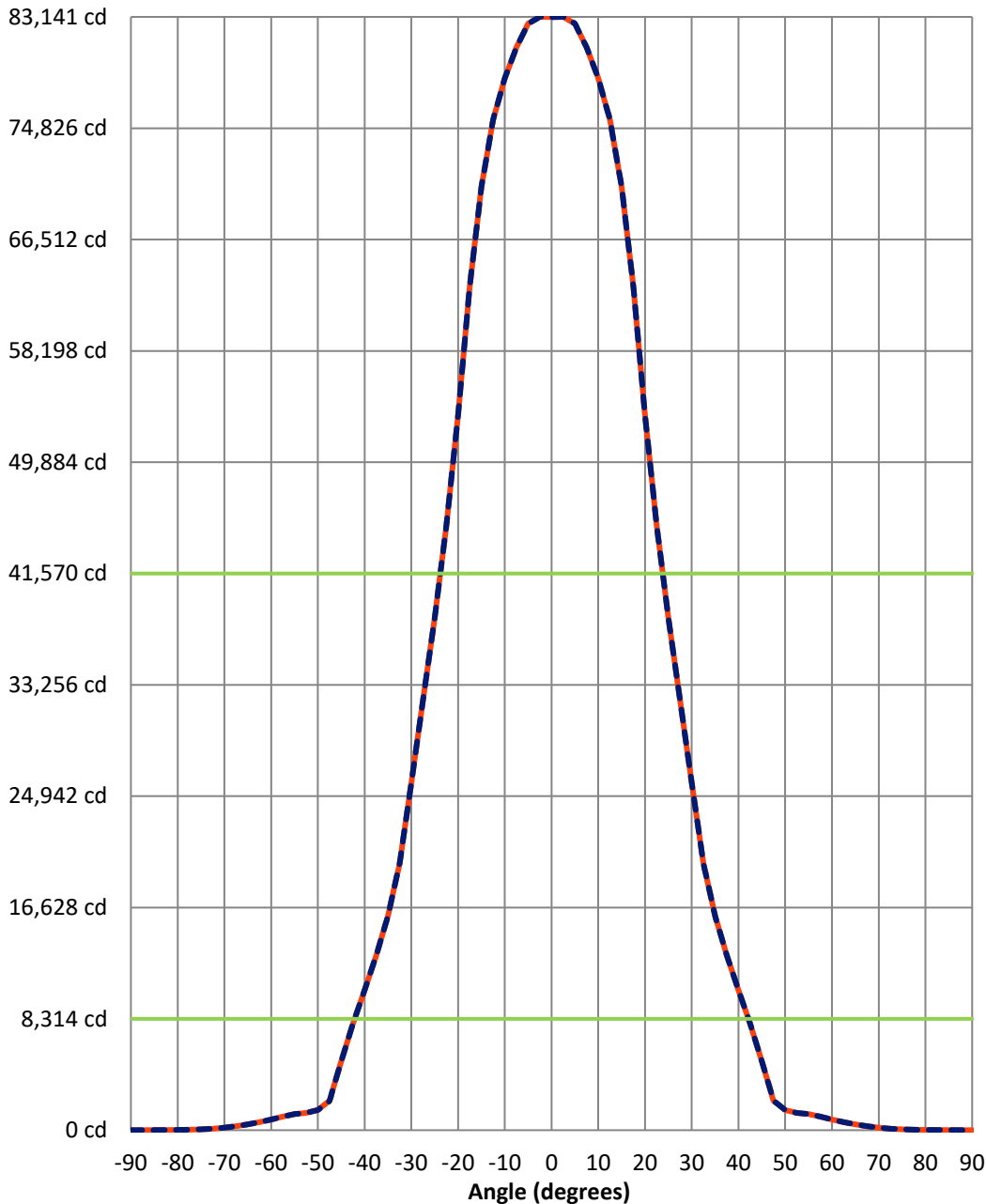
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through -2.5-Deg

REPORT NUMBER: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-HEG-S

Luminous Intensity Plot



Beam:
 H Angle: 47.6°
 V Angle: 47.6°
 Lumens: 34092.3
 Efficiency: 56.1%

Field:
 H Angle: 84.3°
 V Angle: 84.3°
 Lumens: 56623.2
 Efficiency: 93.2%

Spill:
 Lumens: 4147.5
 Efficiency: 6.8%

- Vertical Distribution through -2.5-Deg
- - - Horizontal Distribution through -2.5-Deg



REPORT NUMBER: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-HEG-S

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
85°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.7	3.1	3.4
82.5°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
80°	0.0	0.7	1.4	2.1	2.8	3.4	4.1	4.8	5.5	6.1	6.8
77.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.2	6.0	6.9	7.7	8.6
75°	0.0	1.0	2.1	3.1	4.1	5.2	6.2	7.2	8.3	9.5	10.7
72.5°	0.0	1.2	2.4	3.6	4.8	6.0	7.2	8.5	9.9	11.3	12.7
70°	0.0	1.4	2.7	4.1	5.5	6.9	8.3	9.9	11.5	13.2	15.4
67.5°	0.0	1.5	3.1	4.6	6.1	7.7	9.5	11.3	13.2	15.7	18.2
65°	0.0	1.7	3.4	5.1	6.8	8.6	10.7	12.7	15.4	18.2	22.1
62.5°	0.0	1.8	3.7	5.6	7.4	9.6	11.8	14.5	17.6	21.3	28.3
60°	0.0	2.0	4.0	6.0	8.1	10.5	13.0	16.4	19.8	26.8	34.4
57.5°	0.0	2.1	4.3	6.5	8.8	11.5	14.5	18.2	24.0	32.2	43.6
55°	0.0	2.3	4.6	6.9	9.5	12.4	16.0	20.0	28.7	38.4	54.2
52.5°	0.0	2.4	4.9	7.4	10.2	13.3	17.5	23.7	33.2	47.7	64.5
50°	0.0	2.6	5.2	7.8	10.9	14.5	19.0	27.6	38.6	56.7	78.5
47.5°	0.0	2.7	5.4	8.2	11.6	15.7	20.7	31.3	46.4	65.4	92.6
45°	0.0	2.8	5.7	8.7	12.2	16.8	23.7	34.9	53.8	77.5	106.1
42.5°	0.0	2.9	5.9	9.1	12.8	17.9	26.6	39.9	61.0	89.1	129.1
40°	0.0	3.1	6.2	9.6	13.5	18.9	29.4	45.9	68.8	100.3	152.9
37.5°	0.0	3.2	6.4	10.0	14.3	19.9	32.1	51.6	78.2	113.6	175.5
35°	0.0	3.3	6.6	10.4	15.0	21.6	34.6	56.9	87.1	132.8	199.9
32.5°	0.0	3.4	6.8	10.7	15.7	23.5	37.6	62.0	95.5	150.9	227.5
30°	0.0	3.5	7.0	11.1	16.4	25.4	41.6	67.2	103.4	167.9	253.3
27.5°	0.0	3.5	7.2	11.4	17.0	27.1	45.3	73.6	113.2	183.6	277.4
25°	0.0	3.6	7.3	11.7	17.5	28.7	48.8	79.4	126.0	201.6	299.9
22.5°	0.0	3.7	7.5	12.0	18.0	30.1	51.9	84.8	137.7	219.7	325.2
20°	0.0	3.8	7.6	12.2	18.5	31.4	54.8	89.6	148.3	236.0	348.0
17.5°	0.0	3.8	7.7	12.4	18.9	32.5	57.3	93.9	157.6	250.6	368.4
15°	0.0	3.9	7.8	12.6	19.2	33.5	59.5	97.6	165.8	263.2	386.1
12.5°	0.0	3.9	7.9	12.7	19.5	34.4	61.3	100.7	172.8	274.0	401.2
10°	0.0	3.9	8.0	12.9	19.8	35.1	62.9	103.3	178.5	282.9	413.7
7.5°	0.0	4.0	8.0	13.0	20.0	35.6	64.1	105.4	182.9	289.8	423.4
5°	0.0	4.0	8.1	13.0	20.1	36.0	64.9	106.8	186.1	294.7	430.3
2.5°	0.0	4.0	8.1	13.1	20.2	36.2	65.4	107.7	188.1	297.7	434.5
0°	0.0	4.0	8.1	13.1	20.2	36.3	65.6	108.0	188.7	298.7	435.9
-2.5°	0.0	4.0	8.1	13.1	20.2	36.3	65.6	108.0	188.7	298.7	435.9
-5°	0.0	4.0	8.1	13.0	20.1	36.0	64.9	106.8	186.1	294.7	430.3
-7.5°	0.0	4.0	8.0	13.0	20.0	35.6	64.1	105.4	182.9	289.8	423.4
-10°	0.0	3.9	8.0	12.9	19.8	35.1	62.9	103.3	178.5	282.9	413.7
-12.5°	0.0	3.9	7.9	12.7	19.5	34.4	61.3	100.7	172.8	274.0	401.2
-15°	0.0	3.9	7.8	12.6	19.2	33.5	59.5	97.6	165.8	263.2	386.1
-17.5°	0.0	3.8	7.7	12.4	18.9	32.5	57.3	93.9	157.6	250.6	368.4
-20°	0.0	3.8	7.6	12.2	18.5	31.4	54.8	89.6	148.3	236.0	348.0



REPORT NUMBER: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.7	7.5	12.0	18.0	30.1	51.9	84.8	137.7	219.7	325.2
-25°	0.0	3.6	7.3	11.7	17.5	28.7	48.8	79.4	126.0	201.6	299.9
-27.5°	0.0	3.5	7.2	11.4	17.0	27.1	45.3	73.6	113.2	183.6	277.4
-30°	0.0	3.5	7.0	11.1	16.4	25.4	41.6	67.2	103.4	167.9	253.3
-32.5°	0.0	3.4	6.8	10.7	15.7	23.5	37.6	62.0	95.5	150.9	227.5
-35°	0.0	3.3	6.6	10.4	15.0	21.6	34.6	56.9	87.1	132.8	199.9
-37.5°	0.0	3.2	6.4	10.0	14.3	19.9	32.1	51.6	78.2	113.6	175.5
-40°	0.0	3.1	6.2	9.6	13.5	18.9	29.4	45.9	68.8	100.3	152.9
-42.5°	0.0	2.9	5.9	9.1	12.8	17.9	26.6	39.9	61.0	89.1	129.1
-45°	0.0	2.8	5.7	8.7	12.2	16.8	23.7	34.9	53.8	77.5	106.1
-47.5°	0.0	2.7	5.4	8.2	11.6	15.7	20.7	31.3	46.4	65.4	92.6
-50°	0.0	2.6	5.2	7.8	10.9	14.5	19.0	27.6	38.6	56.7	78.5
-52.5°	0.0	2.4	4.9	7.4	10.2	13.3	17.5	23.7	33.2	47.7	64.5
-55°	0.0	2.3	4.6	6.9	9.5	12.4	16.0	20.0	28.7	38.4	54.2
-57.5°	0.0	2.1	4.3	6.5	8.8	11.5	14.5	18.2	24.0	32.2	43.6
-60°	0.0	2.0	4.0	6.0	8.1	10.5	13.0	16.4	19.8	26.8	34.4
-62.5°	0.0	1.8	3.7	5.6	7.4	9.6	11.8	14.5	17.6	21.3	28.3
-65°	0.0	1.7	3.4	5.1	6.8	8.6	10.7	12.7	15.4	18.2	22.1
-67.5°	0.0	1.5	3.1	4.6	6.1	7.7	9.5	11.3	13.2	15.7	18.2
-70°	0.0	1.4	2.7	4.1	5.5	6.9	8.3	9.9	11.5	13.2	15.4
-72.5°	0.0	1.2	2.4	3.6	4.8	6.0	7.2	8.5	9.9	11.3	12.7
-75°	0.0	1.0	2.1	3.1	4.1	5.2	6.2	7.2	8.3	9.5	10.7
-77.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.2	6.0	6.9	7.7	8.6
-80°	0.0	0.7	1.4	2.1	2.8	3.4	4.1	4.8	5.5	6.1	6.8
-82.5°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
-85°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.7	3.1	3.4
-87.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.2
85°	3.7	4.0	4.3	4.6	4.9	5.2	5.4	5.7	5.9	6.2	6.4
82.5°	5.6	6.0	6.5	6.9	7.4	7.8	8.2	8.7	9.1	9.6	10.0
80°	7.4	8.1	8.8	9.5	10.2	10.9	11.6	12.2	12.8	13.5	14.3
77.5°	9.6	10.5	11.5	12.4	13.3	14.5	15.7	16.8	17.9	18.9	19.9
75°	11.8	13.0	14.5	16.0	17.5	19.0	20.7	23.7	26.6	29.4	32.1
72.5°	14.5	16.4	18.2	20.0	23.7	27.6	31.3	34.9	39.9	45.9	51.6
70°	17.6	19.8	24.0	28.7	33.2	38.6	46.4	53.8	61.0	68.8	78.2
67.5°	21.3	26.8	32.2	38.4	47.7	56.7	65.4	77.5	89.1	100.3	113.6
65°	28.3	34.4	43.6	54.2	64.5	78.5	92.6	106.1	129.1	152.9	175.5
62.5°	35.1	46.2	58.2	71.7	88.1	104.0	129.9	158.3	185.6	220.2	254.2
60°	46.2	59.5	75.5	93.9	115.1	148.3	180.4	219.7	260.5	299.9	346.5
57.5°	58.2	75.5	95.8	122.5	159.4	197.7	245.2	291.2	344.6	397.8	451.4
55°	71.7	93.9	122.5	163.1	207.9	260.6	315.1	377.0	437.0	507.2	574.5
52.5°	88.1	115.1	159.4	207.9	265.8	328.1	396.7	469.2	547.7	626.4	710.3
50°	104.0	148.3	197.7	260.6	328.1	403.2	485.4	572.2	664.5	758.3	855.3
47.5°	129.9	180.4	245.2	315.1	396.7	485.4	580.4	683.7	787.4	899.8	1009.2
45°	158.3	219.7	291.2	377.0	469.2	572.2	683.7	797.1	922.2	1039.7	1140.3
42.5°	185.6	260.5	344.6	437.0	547.7	664.5	787.4	922.2	1049.5	1160.3	1233.8
40°	220.2	299.9	397.8	507.2	626.4	758.3	899.8	1039.7	1160.3	1238.4	1289.0
37.5°	254.2	346.5	451.4	574.5	710.3	855.3	1009.2	1140.3	1233.8	1289.0	1424.1
35°	286.6	390.8	510.4	644.0	790.3	953.0	1100.7	1220.2	1279.7	1411.7	1662.1
32.5°	321.7	432.7	566.3	714.2	875.6	1042.0	1186.7	1261.4	1375.0	1581.2	2076.8
30°	357.5	480.0	621.3	780.4	957.0	1117.7	1234.2	1314.5	1483.4	1953.1	3291.8
27.5°	390.8	524.9	678.0	848.3	1030.9	1188.7	1268.3	1409.8	1749.7	2581.7	4877.8
25°	421.6	566.3	730.5	913.4	1091.9	1228.2	1314.0	1498.8	2057.1	3974.1	6297.7
22.5°	452.8	604.4	778.7	973.1	1147.9	1255.3	1390.1	1734.9	2737.3	5262.4	7600.5
20°	483.8	644.0	825.7	1025.8	1198.7	1279.9	1459.5	1975.8	3835.5	6374.0	8714.6
17.5°	511.5	679.4	869.8	1067.4	1223.5	1318.7	1544.0	2192.2	4823.9	7376.7	9683.5
15°	535.6	710.3	908.4	1103.9	1241.2	1369.0	1719.6	2911.1	5666.0	8236.7	10543.6
12.5°	556.2	736.6	941.3	1135.1	1256.4	1412.0	1870.1	3601.6	6369.8	8920.1	11316.0
10°	573.1	758.3	968.4	1160.7	1269.0	1447.6	1994.6	4173.3	6953.5	9488.0	11959.1
7.5°	586.3	775.2	989.7	1180.8	1278.8	1475.4	2092.2	4622.4	7412.5	9935.3	12466.7
5°	595.8	787.4	1004.9	1195.2	1285.8	1495.4	2162.4	4945.5	7743.2	10257.9	12833.4
2.5°	601.5	794.7	1014.0	1203.9	1290.1	1507.5	2204.7	5140.4	7942.8	10452.7	13055.0
0°	603.4	797.1	1017.1	1206.8	1291.5	1511.5	2218.8	5205.5	8009.5	10517.9	13129.2
-2.5°	601.5	794.7	1014.0	1203.9	1290.1	1507.5	2204.7	5140.4	7942.8	10452.7	13055.0
-5°	595.8	787.4	1004.9	1195.2	1285.8	1495.4	2162.4	4945.5	7743.2	10257.9	12833.4
-7.5°	586.3	775.2	989.7	1180.8	1278.8	1475.4	2092.2	4622.4	7412.5	9935.3	12466.7
-10°	573.1	758.3	968.4	1160.7	1269.0	1447.6	1994.6	4173.3	6953.5	9488.0	11959.1
-12.5°	556.2	736.6	941.3	1135.1	1256.4	1412.0	1870.1	3601.6	6369.8	8920.1	11316.0
-15°	535.6	710.3	908.4	1103.9	1241.2	1369.0	1719.6	2911.1	5666.0	8236.7	10543.6
-17.5°	511.5	679.4	869.8	1067.4	1223.5	1318.7	1544.0	2192.2	4823.9	7376.7	9683.5
-20°	483.8	644.0	825.7	1025.8	1198.7	1279.9	1459.5	1975.8	3835.5	6374.0	8714.6



REPORT NUMBER: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	452.8	604.4	778.7	973.1	1147.9	1255.3	1390.1	1734.9	2737.3	5262.4	7600.5
-25°	421.6	566.3	730.5	913.4	1091.9	1228.2	1314.0	1498.8	2057.1	3974.1	6297.7
-27.5°	390.8	524.9	678.0	848.3	1030.9	1188.7	1268.3	1409.8	1749.7	2581.7	4877.8
-30°	357.5	480.0	621.3	780.4	957.0	1117.7	1234.2	1314.5	1483.4	1953.1	3291.8
-32.5°	321.7	432.7	566.3	714.2	875.6	1042.0	1186.7	1261.4	1375.0	1581.2	2076.8
-35°	286.6	390.8	510.4	644.0	790.3	953.0	1100.7	1220.2	1279.7	1411.7	1662.1
-37.5°	254.2	346.5	451.4	574.5	710.3	855.3	1009.2	1140.3	1233.8	1289.0	1424.1
-40°	220.2	299.9	397.8	507.2	626.4	758.3	899.8	1039.7	1160.3	1238.4	1289.0
-42.5°	185.6	260.5	344.6	437.0	547.7	664.5	787.4	922.2	1049.5	1160.3	1233.8
-45°	158.3	219.7	291.2	377.0	469.2	572.2	683.7	797.1	922.2	1039.7	1140.3
-47.5°	129.9	180.4	245.2	315.1	396.7	485.4	580.4	683.7	787.4	899.8	1009.2
-50°	104.0	148.3	197.7	260.6	328.1	403.2	485.4	572.2	664.5	758.3	855.3
-52.5°	88.1	115.1	159.4	207.9	265.8	328.1	396.7	469.2	547.7	626.4	710.3
-55°	71.7	93.9	122.5	163.1	207.9	260.6	315.1	377.0	437.0	507.2	574.5
-57.5°	58.2	75.5	95.8	122.5	159.4	197.7	245.2	291.2	344.6	397.8	451.4
-60°	46.2	59.5	75.5	93.9	115.1	148.3	180.4	219.7	260.5	299.9	346.5
-62.5°	35.1	46.2	58.2	71.7	88.1	104.0	129.9	158.3	185.6	220.2	254.2
-65°	28.3	34.4	43.6	54.2	64.5	78.5	92.6	106.1	129.1	152.9	175.5
-67.5°	21.3	26.8	32.2	38.4	47.7	56.7	65.4	77.5	89.1	100.3	113.6
-70°	17.6	19.8	24.0	28.7	33.2	38.6	46.4	53.8	61.0	68.8	78.2
-72.5°	14.5	16.4	18.2	20.0	23.7	27.6	31.3	34.9	39.9	45.9	51.6
-75°	11.8	13.0	14.5	16.0	17.5	19.0	20.7	23.7	26.6	29.4	32.1
-77.5°	9.6	10.5	11.5	12.4	13.3	14.5	15.7	16.8	17.9	18.9	19.9
-80°	7.4	8.1	8.8	9.5	10.2	10.9	11.6	12.2	12.8	13.5	14.3
-82.5°	5.6	6.0	6.5	6.9	7.4	7.8	8.2	8.7	9.1	9.6	10.0
-85°	3.7	4.0	4.3	4.6	4.9	5.2	5.4	5.7	5.9	6.2	6.4
-87.5°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	3.9
85°	6.6	6.8	7.0	7.2	7.3	7.5	7.6	7.7	7.8	7.9	8.0
82.5°	10.4	10.7	11.1	11.4	11.7	12.0	12.2	12.4	12.6	12.7	12.9
80°	15.0	15.7	16.4	17.0	17.5	18.0	18.5	18.9	19.2	19.5	19.8
77.5°	21.6	23.5	25.4	27.1	28.7	30.1	31.4	32.5	33.5	34.4	35.1
75°	34.6	37.6	41.6	45.3	48.8	51.9	54.8	57.3	59.5	61.3	62.9
72.5°	56.9	62.0	67.2	73.6	79.4	84.8	89.6	93.9	97.6	100.7	103.3
70°	87.1	95.5	103.4	113.2	126.0	137.7	148.3	157.6	165.8	172.8	178.5
67.5°	132.8	150.9	167.9	183.6	201.6	219.7	236.0	250.6	263.2	274.0	282.9
65°	199.9	227.5	253.3	277.4	299.9	325.2	348.0	368.4	386.1	401.2	413.7
62.5°	286.6	321.7	357.5	390.8	421.6	452.8	483.8	511.5	535.6	556.2	573.1
60°	390.8	432.7	480.0	524.9	566.3	604.4	644.0	679.4	710.3	736.6	758.3
57.5°	510.4	566.3	621.3	678.0	730.5	778.7	825.7	869.8	908.4	941.3	968.4
55°	644.0	714.2	780.4	848.3	913.4	973.1	1025.8	1067.4	1103.9	1135.1	1160.7
52.5°	790.3	875.6	957.0	1030.9	1091.9	1147.9	1198.7	1223.5	1241.2	1256.4	1269.0
50°	953.0	1042.0	1117.7	1188.7	1228.2	1255.3	1279.9	1318.7	1369.0	1412.0	1447.6
47.5°	1100.7	1186.7	1234.2	1268.3	1314.0	1390.1	1459.5	1544.0	1719.6	1870.1	1994.6
45°	1220.2	1261.4	1314.5	1409.8	1498.8	1734.9	1975.8	2192.2	2911.1	3601.6	4173.3
42.5°	1279.7	1375.0	1483.4	1749.7	2057.1	2737.3	3835.5	4823.9	5666.0	6369.8	6953.5
40°	1411.7	1581.2	1953.1	2581.7	3974.1	5262.4	6374.0	7376.7	8236.7	8920.1	9488.0
37.5°	1662.1	2076.8	3291.8	4877.8	6297.7	7600.5	8714.6	9683.5	10543.6	11316.0	11959.1
35°	2118.4	3650.8	5414.8	7002.1	8447.6	9697.9	10864.2	11953.3	12921.9	13845.9	14640.6
32.5°	3650.8	5588.6	7358.8	8938.4	10368.6	11757.4	13048.2	14371.3	15562.2	16769.2	17931.2
30°	5414.8	7358.8	9103.5	10716.6	12304.1	13887.5	15462.1	17178.4	18909.3	20611.7	22563.1
27.5°	7002.1	8938.4	10716.6	12488.3	14319.7	16145.5	18413.3	20732.3	23618.6	26150.3	28330.1
25°	8447.6	10368.6	12304.1	14319.7	16448.4	19042.7	22237.7	25697.6	28885.5	31706.6	34089.9
22.5°	9697.9	11757.4	13887.5	16145.5	19042.7	22746.6	26772.9	30582.1	34046.1	37112.6	39895.1
20°	10864.2	13048.2	15462.1	18413.3	22237.7	26772.9	31157.5	35246.8	39063.0	42876.8	46299.7
17.5°	11953.3	14371.3	17178.4	20732.3	25697.6	30582.1	35246.8	39792.0	44422.6	49236.7	53635.1
15°	12921.9	15562.2	18909.3	23618.6	28885.5	34046.1	39063.0	44422.6	50244.1	56116.0	61874.1
12.5°	13845.9	16769.2	20611.7	26150.3	31706.6	37112.6	42876.8	49236.7	56116.0	63272.6	68220.3
10°	14640.6	17931.2	22563.1	28330.1	34089.9	39895.1	46299.7	53635.1	61874.1	68220.3	72979.0
7.5°	15269.2	18852.8	24116.1	30072.4	36000.5	42299.2	49523.0	57840.9	65947.3	72020.1	75866.6
5°	15724.1	19521.2	25245.5	31343.8	37400.9	44071.5	51917.8	61032.0	68703.9	74230.5	77618.6
2.5°	15999.5	19926.4	25931.5	32118.1	38256.4	45158.9	53395.5	63017.3	70439.6	75455.1	78559.5
0°	16091.7	20062.2	26161.6	32378.1	38544.2	45525.5	53895.3	63691.8	71033.3	75831.2	78881.4
-2.5°	15999.5	19926.4	25931.5	32118.1	38256.4	45158.9	53395.5	63017.3	70439.6	75455.1	78559.5
-5°	15724.1	19521.2	25245.5	31343.8	37400.9	44071.5	51917.8	61032.0	68703.9	74230.5	77618.6
-7.5°	15269.2	18852.8	24116.1	30072.4	36000.5	42299.2	49523.0	57840.9	65947.3	72020.1	75866.6
-10°	14640.6	17931.2	22563.1	28330.1	34089.9	39895.1	46299.7	53635.1	61874.1	68220.3	72979.0
-12.5°	13845.9	16769.2	20611.7	26150.3	31706.6	37112.6	42876.8	49236.7	56116.0	63272.6	68220.3
-15°	12921.9	15562.2	18909.3	23618.6	28885.5	34046.1	39063.0	44422.6	50244.1	56116.0	61874.1
-17.5°	11953.3	14371.3	17178.4	20732.3	25697.6	30582.1	35246.8	39792.0	44422.6	49236.7	53635.1
-20°	10864.2	13048.2	15462.1	18413.3	22237.7	26772.9	31157.5	35246.8	39063.0	42876.8	46299.7



REPORT NUMBER: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9697.9	11757.4	13887.5	16145.5	19042.7	22746.6	26772.9	30582.1	34046.1	37112.6	39895.1
-25°	8447.6	10368.6	12304.1	14319.7	16448.4	19042.7	22237.7	25697.6	28885.5	31706.6	34089.9
-27.5°	7002.1	8938.4	10716.6	12488.3	14319.7	16145.5	18413.3	20732.3	23618.6	26150.3	28330.1
-30°	5414.8	7358.8	9103.5	10716.6	12304.1	13887.5	15462.1	17178.4	18909.3	20611.7	22563.1
-32.5°	3650.8	5588.6	7358.8	8938.4	10368.6	11757.4	13048.2	14371.3	15562.2	16769.2	17931.2
-35°	2118.4	3650.8	5414.8	7002.1	8447.6	9697.9	10864.2	11953.3	12921.9	13845.9	14640.6
-37.5°	1662.1	2076.8	3291.8	4877.8	6297.7	7600.5	8714.6	9683.5	10543.6	11316.0	11959.1
-40°	1411.7	1581.2	1953.1	2581.7	3974.1	5262.4	6374.0	7376.7	8236.7	8920.1	9488.0
-42.5°	1279.7	1375.0	1483.4	1749.7	2057.1	2737.3	3835.5	4823.9	5666.0	6369.8	6953.5
-45°	1220.2	1261.4	1314.5	1409.8	1498.8	1734.9	1975.8	2192.2	2911.1	3601.6	4173.3
-47.5°	1100.7	1186.7	1234.2	1268.3	1314.0	1390.1	1459.5	1544.0	1719.6	1870.1	1994.6
-50°	953.0	1042.0	1117.7	1188.7	1228.2	1255.3	1279.9	1318.7	1369.0	1412.0	1447.6
-52.5°	790.3	875.6	957.0	1030.9	1091.9	1147.9	1198.7	1223.5	1241.2	1256.4	1269.0
-55°	644.0	714.2	780.4	848.3	913.4	973.1	1025.8	1067.4	1103.9	1135.1	1160.7
-57.5°	510.4	566.3	621.3	678.0	730.5	778.7	825.7	869.8	908.4	941.3	968.4
-60°	390.8	432.7	480.0	524.9	566.3	604.4	644.0	679.4	710.3	736.6	758.3
-62.5°	286.6	321.7	357.5	390.8	421.6	452.8	483.8	511.5	535.6	556.2	573.1
-65°	199.9	227.5	253.3	277.4	299.9	325.2	348.0	368.4	386.1	401.2	413.7
-67.5°	132.8	150.9	167.9	183.6	201.6	219.7	236.0	250.6	263.2	274.0	282.9
-70°	87.1	95.5	103.4	113.2	126.0	137.7	148.3	157.6	165.8	172.8	178.5
-72.5°	56.9	62.0	67.2	73.6	79.4	84.8	89.6	93.9	97.6	100.7	103.3
-75°	34.6	37.6	41.6	45.3	48.8	51.9	54.8	57.3	59.5	61.3	62.9
-77.5°	21.6	23.5	25.4	27.1	28.7	30.1	31.4	32.5	33.5	34.4	35.1
-80°	15.0	15.7	16.4	17.0	17.5	18.0	18.5	18.9	19.2	19.5	19.8
-82.5°	10.4	10.7	11.1	11.4	11.7	12.0	12.2	12.4	12.6	12.7	12.9
-85°	6.6	6.8	7.0	7.2	7.3	7.5	7.6	7.7	7.8	7.9	8.0
-87.5°	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	3.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8
85°	8.0	8.1	8.1	8.1	8.1	8.1	8.0	8.0	7.9	7.8	7.7
82.5°	13.0	13.0	13.1	13.1	13.1	13.0	13.0	12.9	12.7	12.6	12.4
80°	20.0	20.1	20.2	20.2	20.2	20.1	20.0	19.8	19.5	19.2	18.9
77.5°	35.6	36.0	36.2	36.3	36.2	36.0	35.6	35.1	34.4	33.5	32.5
75°	64.1	64.9	65.4	65.6	65.4	64.9	64.1	62.9	61.3	59.5	57.3
72.5°	105.4	106.8	107.7	108.0	107.7	106.8	105.4	103.3	100.7	97.6	93.9
70°	182.9	186.1	188.1	188.7	188.1	186.1	182.9	178.5	172.8	165.8	157.6
67.5°	289.8	294.7	297.7	298.7	297.7	294.7	289.8	282.9	274.0	263.2	250.6
65°	423.4	430.3	434.5	435.9	434.5	430.3	423.4	413.7	401.2	386.1	368.4
62.5°	586.3	595.8	601.5	603.4	601.5	595.8	586.3	573.1	556.2	535.6	511.5
60°	775.2	787.4	794.7	797.1	794.7	787.4	775.2	758.3	736.6	710.3	679.4
57.5°	989.7	1004.9	1014.0	1017.1	1014.0	1004.9	989.7	968.4	941.3	908.4	869.8
55°	1180.8	1195.2	1203.9	1206.8	1203.9	1195.2	1180.8	1160.7	1135.1	1103.9	1067.4
52.5°	1278.8	1285.8	1290.1	1291.5	1290.1	1285.8	1278.8	1269.0	1256.4	1241.2	1223.5
50°	1475.4	1495.4	1507.5	1511.5	1507.5	1495.4	1475.4	1447.6	1412.0	1369.0	1318.7
47.5°	2092.2	2162.4	2204.7	2218.8	2204.7	2162.4	2092.2	1994.6	1870.1	1719.6	1544.0
45°	4622.4	4945.5	5140.4	5205.5	5140.4	4945.5	4622.4	4173.3	3601.6	2911.1	2192.2
42.5°	7412.5	7743.2	7942.8	8009.5	7942.8	7743.2	7412.5	6953.5	6369.8	5666.0	4823.9
40°	9935.3	10257.9	10452.7	10517.9	10452.7	10257.9	9935.3	9488.0	8920.1	8236.7	7376.7
37.5°	12466.7	12833.4	13055.0	13129.2	13055.0	12833.4	12466.7	11959.1	11316.0	10543.6	9683.5
35°	15269.2	15724.1	15999.5	16091.7	15999.5	15724.1	15269.2	14640.6	13845.9	12921.9	11953.3
32.5°	18852.8	19521.2	19926.4	20062.2	19926.4	19521.2	18852.8	17931.2	16769.2	15562.2	14371.3
30°	24116.1	25245.5	25931.5	26161.6	25931.5	25245.5	24116.1	22563.1	20611.7	18909.3	17178.4
27.5°	30072.4	31343.8	32118.1	32378.1	32118.1	31343.8	30072.4	28330.1	26150.3	23618.6	20732.3
25°	36000.5	37400.9	38256.4	38544.2	38256.4	37400.9	36000.5	34089.9	31706.6	28885.5	25697.6
22.5°	42299.2	44071.5	45158.9	45525.5	45158.9	44071.5	42299.2	39895.1	37112.6	34046.1	30582.1
20°	49523.0	51917.8	53395.5	53895.3	53395.5	51917.8	49523.0	46299.7	42876.8	39063.0	35246.8
17.5°	57840.9	61032.0	63017.3	63691.8	63017.3	61032.0	57840.9	53635.1	49236.7	44422.6	39792.0
15°	65947.3	68703.9	70439.6	71033.3	70439.6	68703.9	65947.3	61874.1	56116.0	50244.1	44422.6
12.5°	72020.1	74230.5	75455.1	75831.2	75455.1	74230.5	72020.1	68220.3	63272.6	56116.0	49236.7
10°	75866.6	77618.6	78559.5	78881.4	78559.5	77618.6	75866.6	72979.0	68220.3	61874.1	53635.1
7.5°	78256.6	79887.4	80867.0	81212.2	80867.0	79887.4	78256.6	75866.6	72020.1	65947.3	57840.9
5°	79887.4	81583.0	82635.0	82955.8	82635.0	81583.0	79887.4	77618.6	74230.5	68703.9	61032.0
2.5°	80867.0	82635.0	83140.5	83123.3	83140.5	82635.0	80867.0	78559.5	75455.1	70439.6	63017.3
0°	81212.2	82955.8	83123.3	82802.4	83123.3	82955.8	81212.2	78881.4	75831.2	71033.3	63691.8
-2.5°	80867.0	82635.0	83140.5	83123.3	83140.5	82635.0	80867.0	78559.5	75455.1	70439.6	63017.3
-5°	79887.4	81583.0	82635.0	82955.8	82635.0	81583.0	79887.4	77618.6	74230.5	68703.9	61032.0
-7.5°	78256.6	79887.4	80867.0	81212.2	80867.0	79887.4	78256.6	75866.6	72020.1	65947.3	57840.9
-10°	75866.6	77618.6	78559.5	78881.4	78559.5	77618.6	75866.6	72979.0	68220.3	61874.1	53635.1
-12.5°	72020.1	74230.5	75455.1	75831.2	75455.1	74230.5	72020.1	68220.3	63272.6	56116.0	49236.7
-15°	65947.3	68703.9	70439.6	71033.3	70439.6	68703.9	65947.3	61874.1	56116.0	50244.1	44422.6
-17.5°	57840.9	61032.0	63017.3	63691.8	63017.3	61032.0	57840.9	53635.1	49236.7	44422.6	39792.0
-20°	49523.0	51917.8	53395.5	53895.3	53395.5	51917.8	49523.0	46299.7	42876.8	39063.0	35246.8



REPORT NUMBER: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	42299.2	44071.5	45158.9	45525.5	45158.9	44071.5	42299.2	39895.1	37112.6	34046.1	30582.1
-25°	36000.5	37400.9	38256.4	38544.2	38256.4	37400.9	36000.5	34089.9	31706.6	28885.5	25697.6
-27.5°	30072.4	31343.8	32118.1	32378.1	32118.1	31343.8	30072.4	28330.1	26150.3	23618.6	20732.3
-30°	24116.1	25245.5	25931.5	26161.6	25931.5	25245.5	24116.1	22563.1	20611.7	18909.3	17178.4
-32.5°	18852.8	19521.2	19926.4	20062.2	19926.4	19521.2	18852.8	17931.2	16769.2	15562.2	14371.3
-35°	15269.2	15724.1	15999.5	16091.7	15999.5	15724.1	15269.2	14640.6	13845.9	12921.9	11953.3
-37.5°	12466.7	12833.4	13055.0	13129.2	13055.0	12833.4	12466.7	11959.1	11316.0	10543.6	9683.5
-40°	9935.3	10257.9	10452.7	10517.9	10452.7	10257.9	9935.3	9488.0	8920.1	8236.7	7376.7
-42.5°	7412.5	7743.2	7942.8	8009.5	7942.8	7743.2	7412.5	6953.5	6369.8	5666.0	4823.9
-45°	4622.4	4945.5	5140.4	5205.5	5140.4	4945.5	4622.4	4173.3	3601.6	2911.1	2192.2
-47.5°	2092.2	2162.4	2204.7	2218.8	2204.7	2162.4	2092.2	1994.6	1870.1	1719.6	1544.0
-50°	1475.4	1495.4	1507.5	1511.5	1507.5	1495.4	1475.4	1447.6	1412.0	1369.0	1318.7
-52.5°	1278.8	1285.8	1290.1	1291.5	1290.1	1285.8	1278.8	1269.0	1256.4	1241.2	1223.5
-55°	1180.8	1195.2	1203.9	1206.8	1203.9	1195.2	1180.8	1160.7	1135.1	1103.9	1067.4
-57.5°	989.7	1004.9	1014.0	1017.1	1014.0	1004.9	989.7	968.4	941.3	908.4	869.8
-60°	775.2	787.4	794.7	797.1	794.7	787.4	775.2	758.3	736.6	710.3	679.4
-62.5°	586.3	595.8	601.5	603.4	601.5	595.8	586.3	573.1	556.2	535.6	511.5
-65°	423.4	430.3	434.5	435.9	434.5	430.3	423.4	413.7	401.2	386.1	368.4
-67.5°	289.8	294.7	297.7	298.7	297.7	294.7	289.8	282.9	274.0	263.2	250.6
-70°	182.9	186.1	188.1	188.7	188.1	186.1	182.9	178.5	172.8	165.8	157.6
-72.5°	105.4	106.8	107.7	108.0	107.7	106.8	105.4	103.3	100.7	97.6	93.9
-75°	64.1	64.9	65.4	65.6	65.4	64.9	64.1	62.9	61.3	59.5	57.3
-77.5°	35.6	36.0	36.2	36.3	36.2	36.0	35.6	35.1	34.4	33.5	32.5
-80°	20.0	20.1	20.2	20.2	20.2	20.1	20.0	19.8	19.5	19.2	18.9
-82.5°	13.0	13.0	13.1	13.1	13.1	13.0	13.0	12.9	12.7	12.6	12.4
-85°	8.0	8.1	8.1	8.1	8.1	8.1	8.0	8.0	7.9	7.8	7.7
-87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	2.9	2.8
85°	7.6	7.5	7.3	7.2	7.0	6.8	6.6	6.4	6.2	5.9	5.7
82.5°	12.2	12.0	11.7	11.4	11.1	10.7	10.4	10.0	9.6	9.1	8.7
80°	18.5	18.0	17.5	17.0	16.4	15.7	15.0	14.3	13.5	12.8	12.2
77.5°	31.4	30.1	28.7	27.1	25.4	23.5	21.6	19.9	18.9	17.9	16.8
75°	54.8	51.9	48.8	45.3	41.6	37.6	34.6	32.1	29.4	26.6	23.7
72.5°	89.6	84.8	79.4	73.6	67.2	62.0	56.9	51.6	45.9	39.9	34.9
70°	148.3	137.7	126.0	113.2	103.4	95.5	87.1	78.2	68.8	61.0	53.8
67.5°	236.0	219.7	201.6	183.6	167.9	150.9	132.8	113.6	100.3	89.1	77.5
65°	348.0	325.2	299.9	277.4	253.3	227.5	199.9	175.5	152.9	129.1	106.1
62.5°	483.8	452.8	421.6	390.8	357.5	321.7	286.6	254.2	220.2	185.6	158.3
60°	644.0	604.4	566.3	524.9	480.0	432.7	390.8	346.5	299.9	260.5	219.7
57.5°	825.7	778.7	730.5	678.0	621.3	566.3	510.4	451.4	397.8	344.6	291.2
55°	1025.8	973.1	913.4	848.3	780.4	714.2	644.0	574.5	507.2	437.0	377.0
52.5°	1198.7	1147.9	1091.9	1030.9	957.0	875.6	790.3	710.3	626.4	547.7	469.2
50°	1279.9	1255.3	1228.2	1188.7	1117.7	1042.0	953.0	855.3	758.3	664.5	572.2
47.5°	1459.5	1390.1	1314.0	1268.3	1234.2	1186.7	1100.7	1009.2	899.8	787.4	683.7
45°	1975.8	1734.9	1498.8	1409.8	1314.5	1261.4	1220.2	1140.3	1039.7	922.2	797.1
42.5°	3835.5	2737.3	2057.1	1749.7	1483.4	1375.0	1279.7	1233.8	1160.3	1049.5	922.2
40°	6374.0	5262.4	3974.1	2581.7	1953.1	1581.2	1411.7	1289.0	1238.4	1160.3	1039.7
37.5°	8714.6	7600.5	6297.7	4877.8	3291.8	2076.8	1662.1	1424.1	1289.0	1233.8	1140.3
35°	10864.2	9697.9	8447.6	7002.1	5414.8	3650.8	2118.4	1662.1	1411.7	1279.7	1220.2
32.5°	13048.2	11757.4	10368.6	8938.4	7358.8	5588.6	3650.8	2076.8	1581.2	1375.0	1261.4
30°	15462.1	13887.5	12304.1	10716.6	9103.5	7358.8	5414.8	3291.8	1953.1	1483.4	1314.5
27.5°	18413.3	16145.5	14319.7	12488.3	10716.6	8938.4	7002.1	4877.8	2581.7	1749.7	1409.8
25°	22237.7	19042.7	16448.4	14319.7	12304.1	10368.6	8447.6	6297.7	3974.1	2057.1	1498.8
22.5°	26772.9	22746.6	19042.7	16145.5	13887.5	11757.4	9697.9	7600.5	5262.4	2737.3	1734.9
20°	31157.5	26772.9	22237.7	18413.3	15462.1	13048.2	10864.2	8714.6	6374.0	3835.5	1975.8
17.5°	35246.8	30582.1	25697.6	20732.3	17178.4	14371.3	11953.3	9683.5	7376.7	4823.9	2192.2
15°	39063.0	34046.1	28885.5	23618.6	18909.3	15562.2	12921.9	10543.6	8236.7	5666.0	2911.1
12.5°	42876.8	37112.6	31706.6	26150.3	20611.7	16769.2	13845.9	11316.0	8920.1	6369.8	3601.6
10°	46299.7	39895.1	34089.9	28330.1	22563.1	17931.2	14640.6	11959.1	9488.0	6953.5	4173.3
7.5°	49523.0	42299.2	36000.5	30072.4	24116.1	18852.8	15269.2	12466.7	9935.3	7412.5	4622.4
5°	51917.8	44071.5	37400.9	31343.8	25245.5	19521.2	15724.1	12833.4	10257.9	7743.2	4945.5
2.5°	53395.5	45158.9	38256.4	32118.1	25931.5	19926.4	15999.5	13055.0	10452.7	7942.8	5140.4
0°	53895.3	45525.5	38544.2	32378.1	26161.6	20062.2	16091.7	13129.2	10517.9	8009.5	5205.5
-2.5°	53395.5	45158.9	38256.4	32118.1	25931.5	19926.4	15999.5	13055.0	10452.7	7942.8	5140.4
-5°	51917.8	44071.5	37400.9	31343.8	25245.5	19521.2	15724.1	12833.4	10257.9	7743.2	4945.5
-7.5°	49523.0	42299.2	36000.5	30072.4	24116.1	18852.8	15269.2	12466.7	9935.3	7412.5	4622.4
-10°	46299.7	39895.1	34089.9	28330.1	22563.1	17931.2	14640.6	11959.1	9488.0	6953.5	4173.3
-12.5°	42876.8	37112.6	31706.6	26150.3	20611.7	16769.2	13845.9	11316.0	8920.1	6369.8	3601.6
-15°	39063.0	34046.1	28885.5	23618.6	18909.3	15562.2	12921.9	10543.6	8236.7	5666.0	2911.1
-17.5°	35246.8	30582.1	25697.6	20732.3	17178.4	14371.3	11953.3	9683.5	7376.7	4823.9	2192.2
-20°	31157.5	26772.9	22237.7	18413.3	15462.1	13048.2	10864.2	8714.6	6374.0	3835.5	1975.8



REPORT NUMBER: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	26772.9	22746.6	19042.7	16145.5	13887.5	11757.4	9697.9	7600.5	5262.4	2737.3	1734.9
-25°	22237.7	19042.7	16448.4	14319.7	12304.1	10368.6	8447.6	6297.7	3974.1	2057.1	1498.8
-27.5°	18413.3	16145.5	14319.7	12488.3	10716.6	8938.4	7002.1	4877.8	2581.7	1749.7	1409.8
-30°	15462.1	13887.5	12304.1	10716.6	9103.5	7358.8	5414.8	3291.8	1953.1	1483.4	1314.5
-32.5°	13048.2	11757.4	10368.6	8938.4	7358.8	5588.6	3650.8	2076.8	1581.2	1375.0	1261.4
-35°	10864.2	9697.9	8447.6	7002.1	5414.8	3650.8	2118.4	1662.1	1411.7	1279.7	1220.2
-37.5°	8714.6	7600.5	6297.7	4877.8	3291.8	2076.8	1662.1	1424.1	1289.0	1233.8	1140.3
-40°	6374.0	5262.4	3974.1	2581.7	1953.1	1581.2	1411.7	1289.0	1238.4	1160.3	1039.7
-42.5°	3835.5	2737.3	2057.1	1749.7	1483.4	1375.0	1279.7	1233.8	1160.3	1049.5	922.2
-45°	1975.8	1734.9	1498.8	1409.8	1314.5	1261.4	1220.2	1140.3	1039.7	922.2	797.1
-47.5°	1459.5	1390.1	1314.0	1268.3	1234.2	1186.7	1100.7	1009.2	899.8	787.4	683.7
-50°	1279.9	1255.3	1228.2	1188.7	1117.7	1042.0	953.0	855.3	758.3	664.5	572.2
-52.5°	1198.7	1147.9	1091.9	1030.9	957.0	875.6	790.3	710.3	626.4	547.7	469.2
-55°	1025.8	973.1	913.4	848.3	780.4	714.2	644.0	574.5	507.2	437.0	377.0
-57.5°	825.7	778.7	730.5	678.0	621.3	566.3	510.4	451.4	397.8	344.6	291.2
-60°	644.0	604.4	566.3	524.9	480.0	432.7	390.8	346.5	299.9	260.5	219.7
-62.5°	483.8	452.8	421.6	390.8	357.5	321.7	286.6	254.2	220.2	185.6	158.3
-65°	348.0	325.2	299.9	277.4	253.3	227.5	199.9	175.5	152.9	129.1	106.1
-67.5°	236.0	219.7	201.6	183.6	167.9	150.9	132.8	113.6	100.3	89.1	77.5
-70°	148.3	137.7	126.0	113.2	103.4	95.5	87.1	78.2	68.8	61.0	53.8
-72.5°	89.6	84.8	79.4	73.6	67.2	62.0	56.9	51.6	45.9	39.9	34.9
-75°	54.8	51.9	48.8	45.3	41.6	37.6	34.6	32.1	29.4	26.6	23.7
-77.5°	31.4	30.1	28.7	27.1	25.4	23.5	21.6	19.9	18.9	17.9	16.8
-80°	18.5	18.0	17.5	17.0	16.4	15.7	15.0	14.3	13.5	12.8	12.2
-82.5°	12.2	12.0	11.7	11.4	11.1	10.7	10.4	10.0	9.6	9.1	8.7
-85°	7.6	7.5	7.3	7.2	7.0	6.8	6.6	6.4	6.2	5.9	5.7
-87.5°	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	2.9	2.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
85°	5.4	5.2	4.9	4.6	4.3	4.0	3.7	3.4	3.1	2.7	2.4
82.5°	8.2	7.8	7.4	6.9	6.5	6.0	5.6	5.1	4.6	4.1	3.6
80°	11.6	10.9	10.2	9.5	8.8	8.1	7.4	6.8	6.1	5.5	4.8
77.5°	15.7	14.5	13.3	12.4	11.5	10.5	9.6	8.6	7.7	6.9	6.0
75°	20.7	19.0	17.5	16.0	14.5	13.0	11.8	10.7	9.5	8.3	7.2
72.5°	31.3	27.6	23.7	20.0	18.2	16.4	14.5	12.7	11.3	9.9	8.5
70°	46.4	38.6	33.2	28.7	24.0	19.8	17.6	15.4	13.2	11.5	9.9
67.5°	65.4	56.7	47.7	38.4	32.2	26.8	21.3	18.2	15.7	13.2	11.3
65°	92.6	78.5	64.5	54.2	43.6	34.4	28.3	22.1	18.2	15.4	12.7
62.5°	129.9	104.0	88.1	71.7	58.2	46.2	35.1	28.3	21.3	17.6	14.5
60°	180.4	148.3	115.1	93.9	75.5	59.5	46.2	34.4	26.8	19.8	16.4
57.5°	245.2	197.7	159.4	122.5	95.8	75.5	58.2	43.6	32.2	24.0	18.2
55°	315.1	260.6	207.9	163.1	122.5	93.9	71.7	54.2	38.4	28.7	20.0
52.5°	396.7	328.1	265.8	207.9	159.4	115.1	88.1	64.5	47.7	33.2	23.7
50°	485.4	403.2	328.1	260.6	197.7	148.3	104.0	78.5	56.7	38.6	27.6
47.5°	580.4	485.4	396.7	315.1	245.2	180.4	129.9	92.6	65.4	46.4	31.3
45°	683.7	572.2	469.2	377.0	291.2	219.7	158.3	106.1	77.5	53.8	34.9
42.5°	787.4	664.5	547.7	437.0	344.6	260.5	185.6	129.1	89.1	61.0	39.9
40°	899.8	758.3	626.4	507.2	397.8	299.9	220.2	152.9	100.3	68.8	45.9
37.5°	1009.2	855.3	710.3	574.5	451.4	346.5	254.2	175.5	113.6	78.2	51.6
35°	1100.7	953.0	790.3	644.0	510.4	390.8	286.6	199.9	132.8	87.1	56.9
32.5°	1186.7	1042.0	875.6	714.2	566.3	432.7	321.7	227.5	150.9	95.5	62.0
30°	1234.2	1117.7	957.0	780.4	621.3	480.0	357.5	253.3	167.9	103.4	67.2
27.5°	1268.3	1188.7	1030.9	848.3	678.0	524.9	390.8	277.4	183.6	113.2	73.6
25°	1314.0	1228.2	1091.9	913.4	730.5	566.3	421.6	299.9	201.6	126.0	79.4
22.5°	1390.1	1255.3	1147.9	973.1	778.7	604.4	452.8	325.2	219.7	137.7	84.8
20°	1459.5	1279.9	1198.7	1025.8	825.7	644.0	483.8	348.0	236.0	148.3	89.6
17.5°	1544.0	1318.7	1223.5	1067.4	869.8	679.4	511.5	368.4	250.6	157.6	93.9
15°	1719.6	1369.0	1241.2	1103.9	908.4	710.3	535.6	386.1	263.2	165.8	97.6
12.5°	1870.1	1412.0	1256.4	1135.1	941.3	736.6	556.2	401.2	274.0	172.8	100.7
10°	1994.6	1447.6	1269.0	1160.7	968.4	758.3	573.1	413.7	282.9	178.5	103.3
7.5°	2092.2	1475.4	1278.8	1180.8	989.7	775.2	586.3	423.4	289.8	182.9	105.4
5°	2162.4	1495.4	1285.8	1195.2	1004.9	787.4	595.8	430.3	294.7	186.1	106.8
2.5°	2204.7	1507.5	1290.1	1203.9	1014.0	794.7	601.5	434.5	297.7	188.1	107.7
0°	2218.8	1511.5	1291.5	1206.8	1017.1	797.1	603.4	435.9	298.7	188.7	108.0
-2.5°	2204.7	1507.5	1290.1	1203.9	1014.0	794.7	601.5	434.5	297.7	188.1	107.7
-5°	2162.4	1495.4	1285.8	1195.2	1004.9	787.4	595.8	430.3	294.7	186.1	106.8
-7.5°	2092.2	1475.4	1278.8	1180.8	989.7	775.2	586.3	423.4	289.8	182.9	105.4
-10°	1994.6	1447.6	1269.0	1160.7	968.4	758.3	573.1	413.7	282.9	178.5	103.3
-12.5°	1870.1	1412.0	1256.4	1135.1	941.3	736.6	556.2	401.2	274.0	172.8	100.7
-15°	1719.6	1369.0	1241.2	1103.9	908.4	710.3	535.6	386.1	263.2	165.8	97.6
-17.5°	1544.0	1318.7	1223.5	1067.4	869.8	679.4	511.5	368.4	250.6	157.6	93.9
-20°	1459.5	1279.9	1198.7	1025.8	825.7	644.0	483.8	348.0	236.0	148.3	89.6



REPORT NUMBER: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1390.1	1255.3	1147.9	973.1	778.7	604.4	452.8	325.2	219.7	137.7	84.8
-25°	1314.0	1228.2	1091.9	913.4	730.5	566.3	421.6	299.9	201.6	126.0	79.4
-27.5°	1268.3	1188.7	1030.9	848.3	678.0	524.9	390.8	277.4	183.6	113.2	73.6
-30°	1234.2	1117.7	957.0	780.4	621.3	480.0	357.5	253.3	167.9	103.4	67.2
-32.5°	1186.7	1042.0	875.6	714.2	566.3	432.7	321.7	227.5	150.9	95.5	62.0
-35°	1100.7	953.0	790.3	644.0	510.4	390.8	286.6	199.9	132.8	87.1	56.9
-37.5°	1009.2	855.3	710.3	574.5	451.4	346.5	254.2	175.5	113.6	78.2	51.6
-40°	899.8	758.3	626.4	507.2	397.8	299.9	220.2	152.9	100.3	68.8	45.9
-42.5°	787.4	664.5	547.7	437.0	344.6	260.5	185.6	129.1	89.1	61.0	39.9
-45°	683.7	572.2	469.2	377.0	291.2	219.7	158.3	106.1	77.5	53.8	34.9
-47.5°	580.4	485.4	396.7	315.1	245.2	180.4	129.9	92.6	65.4	46.4	31.3
-50°	485.4	403.2	328.1	260.6	197.7	148.3	104.0	78.5	56.7	38.6	27.6
-52.5°	396.7	328.1	265.8	207.9	159.4	115.1	88.1	64.5	47.7	33.2	23.7
-55°	315.1	260.6	207.9	163.1	122.5	93.9	71.7	54.2	38.4	28.7	20.0
-57.5°	245.2	197.7	159.4	122.5	95.8	75.5	58.2	43.6	32.2	24.0	18.2
-60°	180.4	148.3	115.1	93.9	75.5	59.5	46.2	34.4	26.8	19.8	16.4
-62.5°	129.9	104.0	88.1	71.7	58.2	46.2	35.1	28.3	21.3	17.6	14.5
-65°	92.6	78.5	64.5	54.2	43.6	34.4	28.3	22.1	18.2	15.4	12.7
-67.5°	65.4	56.7	47.7	38.4	32.2	26.8	21.3	18.2	15.7	13.2	11.3
-70°	46.4	38.6	33.2	28.7	24.0	19.8	17.6	15.4	13.2	11.5	9.9
-72.5°	31.3	27.6	23.7	20.0	18.2	16.4	14.5	12.7	11.3	9.9	8.5
-75°	20.7	19.0	17.5	16.0	14.5	13.0	11.8	10.7	9.5	8.3	7.2
-77.5°	15.7	14.5	13.3	12.4	11.5	10.5	9.6	8.6	7.7	6.9	6.0
-80°	11.6	10.9	10.2	9.5	8.8	8.1	7.4	6.8	6.1	5.5	4.8
-82.5°	8.2	7.8	7.4	6.9	6.5	6.0	5.6	5.1	4.6	4.1	3.6
-85°	5.4	5.2	4.9	4.6	4.3	4.0	3.7	3.4	3.1	2.7	2.4
-87.5°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
85°	2.1	1.7	1.4	1.0	0.7	0.3	0.0
82.5°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
80°	4.1	3.4	2.8	2.1	1.4	0.7	0.0
77.5°	5.2	4.3	3.4	2.6	1.7	0.9	0.0
75°	6.2	5.2	4.1	3.1	2.1	1.0	0.0
72.5°	7.2	6.0	4.8	3.6	2.4	1.2	0.0
70°	8.3	6.9	5.5	4.1	2.7	1.4	0.0
67.5°	9.5	7.7	6.1	4.6	3.1	1.5	0.0
65°	10.7	8.6	6.8	5.1	3.4	1.7	0.0
62.5°	11.8	9.6	7.4	5.6	3.7	1.8	0.0
60°	13.0	10.5	8.1	6.0	4.0	2.0	0.0
57.5°	14.5	11.5	8.8	6.5	4.3	2.1	0.0
55°	16.0	12.4	9.5	6.9	4.6	2.3	0.0
52.5°	17.5	13.3	10.2	7.4	4.9	2.4	0.0
50°	19.0	14.5	10.9	7.8	5.2	2.6	0.0
47.5°	20.7	15.7	11.6	8.2	5.4	2.7	0.0
45°	23.7	16.8	12.2	8.7	5.7	2.8	0.0
42.5°	26.6	17.9	12.8	9.1	5.9	2.9	0.0
40°	29.4	18.9	13.5	9.6	6.2	3.1	0.0
37.5°	32.1	19.9	14.3	10.0	6.4	3.2	0.0
35°	34.6	21.6	15.0	10.4	6.6	3.3	0.0
32.5°	37.6	23.5	15.7	10.7	6.8	3.4	0.0
30°	41.6	25.4	16.4	11.1	7.0	3.5	0.0
27.5°	45.3	27.1	17.0	11.4	7.2	3.5	0.0
25°	48.8	28.7	17.5	11.7	7.3	3.6	0.0
22.5°	51.9	30.1	18.0	12.0	7.5	3.7	0.0
20°	54.8	31.4	18.5	12.2	7.6	3.8	0.0
17.5°	57.3	32.5	18.9	12.4	7.7	3.8	0.0
15°	59.5	33.5	19.2	12.6	7.8	3.9	0.0
12.5°	61.3	34.4	19.5	12.7	7.9	3.9	0.0
10°	62.9	35.1	19.8	12.9	8.0	3.9	0.0
7.5°	64.1	35.6	20.0	13.0	8.0	4.0	0.0
5°	64.9	36.0	20.1	13.0	8.1	4.0	0.0
2.5°	65.4	36.2	20.2	13.1	8.1	4.0	0.0
0°	65.6	36.3	20.2	13.1	8.1	4.0	0.0
-2.5°	65.4	36.2	20.2	13.1	8.1	4.0	0.0
-5°	64.9	36.0	20.1	13.0	8.1	4.0	0.0
-7.5°	64.1	35.6	20.0	13.0	8.0	4.0	0.0
-10°	62.9	35.1	19.8	12.9	8.0	3.9	0.0
-12.5°	61.3	34.4	19.5	12.7	7.9	3.9	0.0
-15°	59.5	33.5	19.2	12.6	7.8	3.9	0.0
-17.5°	57.3	32.5	18.9	12.4	7.7	3.8	0.0
-20°	54.8	31.4	18.5	12.2	7.6	3.8	0.0



REPORT NUMBER: P701395 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	51.9	30.1	18.0	12.0	7.5	3.7	0.0
-25°	48.8	28.7	17.5	11.7	7.3	3.6	0.0
-27.5°	45.3	27.1	17.0	11.4	7.2	3.5	0.0
-30°	41.6	25.4	16.4	11.1	7.0	3.5	0.0
-32.5°	37.6	23.5	15.7	10.7	6.8	3.4	0.0
-35°	34.6	21.6	15.0	10.4	6.6	3.3	0.0
-37.5°	32.1	19.9	14.3	10.0	6.4	3.2	0.0
-40°	29.4	18.9	13.5	9.6	6.2	3.1	0.0
-42.5°	26.6	17.9	12.8	9.1	5.9	2.9	0.0
-45°	23.7	16.8	12.2	8.7	5.7	2.8	0.0
-47.5°	20.7	15.7	11.6	8.2	5.4	2.7	0.0
-50°	19.0	14.5	10.9	7.8	5.2	2.6	0.0
-52.5°	17.5	13.3	10.2	7.4	4.9	2.4	0.0
-55°	16.0	12.4	9.5	6.9	4.6	2.3	0.0
-57.5°	14.5	11.5	8.8	6.5	4.3	2.1	0.0
-60°	13.0	10.5	8.1	6.0	4.0	2.0	0.0
-62.5°	11.8	9.6	7.4	5.6	3.7	1.8	0.0
-65°	10.7	8.6	6.8	5.1	3.4	1.7	0.0
-67.5°	9.5	7.7	6.1	4.6	3.1	1.5	0.0
-70°	8.3	6.9	5.5	4.1	2.7	1.4	0.0
-72.5°	7.2	6.0	4.8	3.6	2.4	1.2	0.0
-75°	6.2	5.2	4.1	3.1	2.1	1.0	0.0
-77.5°	5.2	4.3	3.4	2.6	1.7	0.9	0.0
-80°	4.1	3.4	2.8	2.1	1.4	0.7	0.0
-82.5°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
-85°	2.1	1.7	1.4	1.0	0.7	0.3	0.0
-87.5°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(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

