

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: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-70-4S-HEG-S**

Issue Date: 8/15/2023

Test Information

Test Method: LM-79-08
Report Number: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/15/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-57-70-4S-HEG-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

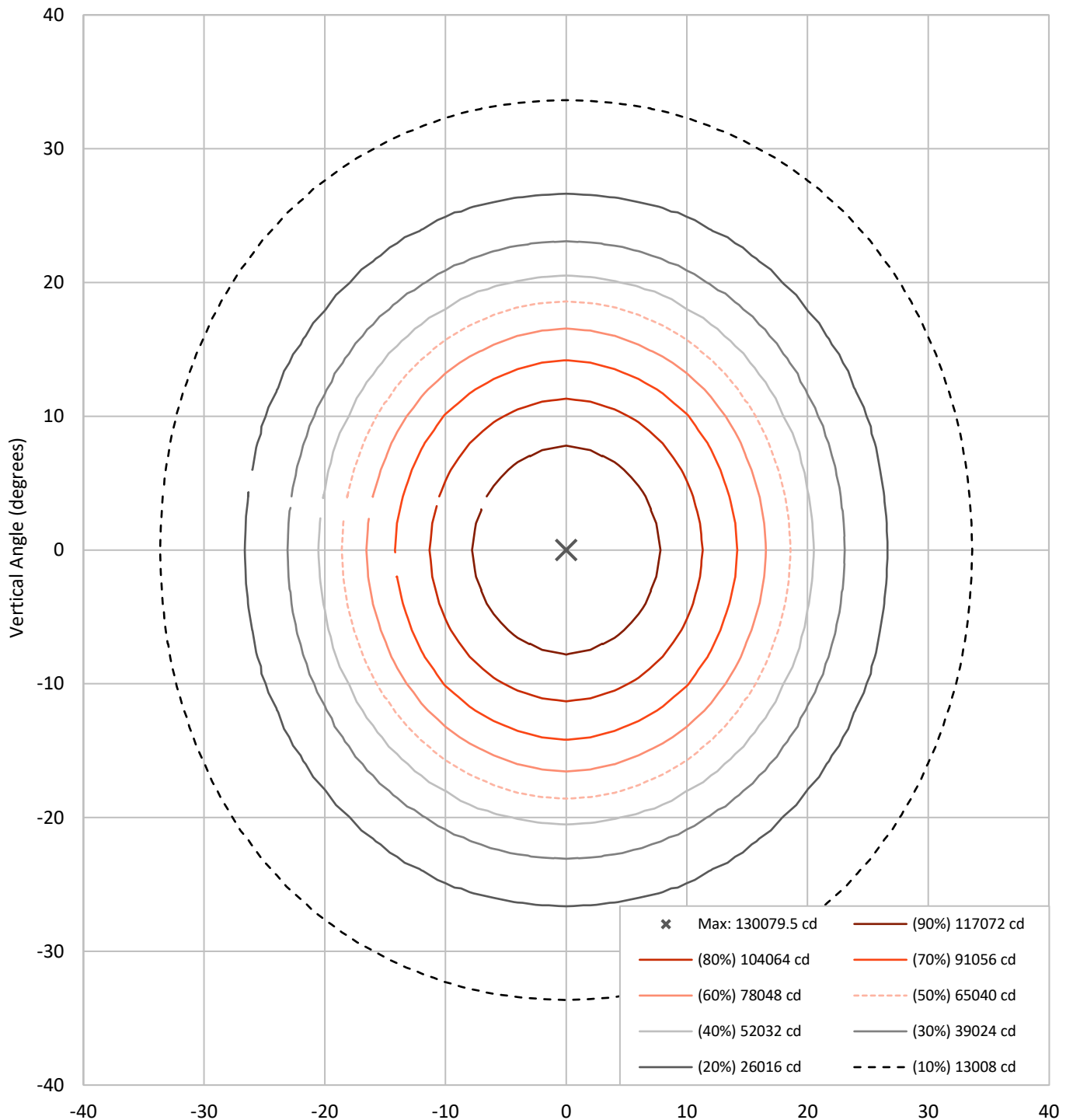
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	60072 lumens	Max Intensity:	130079.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	174.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	37.2°H x 37.2°V	Field Angle (10%):	67.2°H x 67.2°V
Beam Lumens:	31272.9 lumens	Field Lumens:	52533.2 lumens
Beam Efficiency:	52.1%	Field Efficiency:	87.5%

Input Watts (W): 344.2
Input Voltage (V): NR
Input Current (A_{in}): 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: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-HEG-S

Iso-Candela Plot





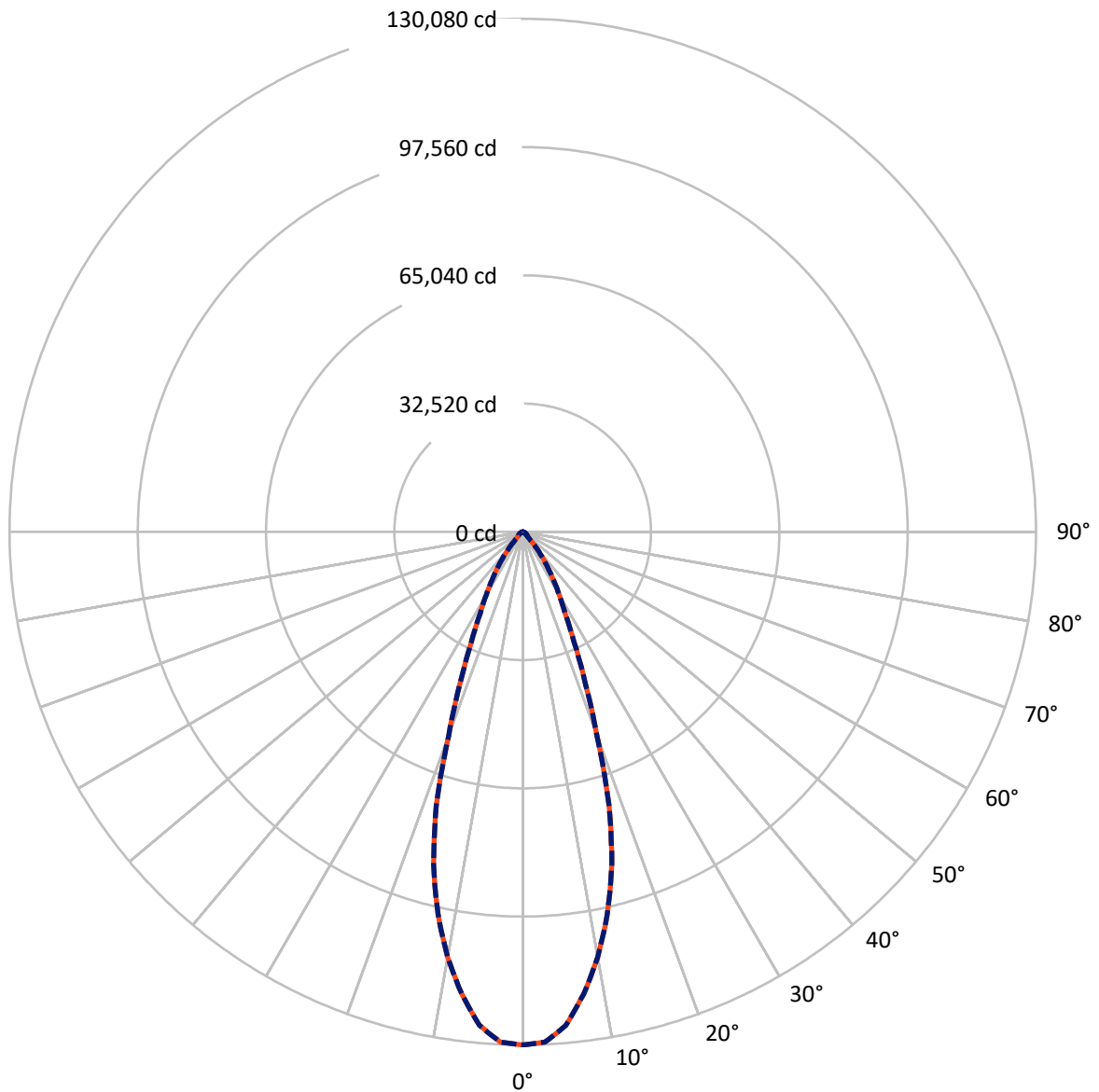
REPORT NUMBER: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-HEG-S

Lumen Table

90																			
80	0.1	0.5		1.8		4.3		5.6		4.3		1.8		0.5		0.1			
70																			
60	0.2	0.3	1.1	3.0	6.2	10.1	13.6	15.5	15.5	13.6	10.1	6.2	3.0	1.1	0.3	0.2			
50		0.8	3.6	9.7	17.7	25.0	30.2	33.2	33.2	30.2	25.0	17.7	9.7	3.6	0.8				
40	0.6	1.9	7.9	18.0	28.0	38.8	55.8	73.6	73.6	55.8	38.8	28.0	18.0	7.9	1.9	0.6			
30		3.3	12.6	24.2	42.0	113.0	239.1	331.7	331.7	239.1	113.0	42.0	24.2	12.6	3.3				
20	1.2	4.9	15.9	30.4	102.9	321.5	628.7	934.8	934.8	628.7	321.5	102.9	30.4	15.9	4.9	1.2			
10		6.2	18.1	41.3	204.8	592.0	1466.0	2406.5	2406.5	1466.0	592.0	204.8	41.3	18.1	6.2				
0	1.5	6.8	19.3	53.3	275.6	856.0	2338.5	3522.5	3522.5	2338.5	856.0	275.6	53.3	19.3	6.8	1.5			
-10		6.8	19.3	53.3	275.6	856.0	2338.5	3522.5	3522.5	2338.5	856.0	275.6	53.3	19.3	6.8				
-20	1.2	6.2	18.1	41.3	204.8	592.0	1466.0	2406.5	2406.5	1466.0	592.0	204.8	41.3	18.1	6.2	1.2			
-30		4.9	15.9	30.4	102.9	321.5	628.7	934.8	934.8	628.7	321.5	102.9	30.4	15.9	4.9				
-40	0.6	3.3	12.6	24.2	42.0	113.0	239.1	331.7	331.7	239.1	113.0	42.0	24.2	12.6	3.3	0.6			
-50		1.9	7.9	18.0	28.0	38.8	55.8	73.6	73.6	55.8	38.8	28.0	18.0	7.9	1.9				
-60	0.2	0.8	3.6	9.7	17.7	25.0	30.2	33.2	33.2	30.2	25.0	17.7	9.7	3.6	0.8	0.2			
-70		0.3	1.1	3.0	6.2	10.1	13.6	15.5	15.5	13.6	10.1	6.2	3.0	1.1	0.3				
-80	0.1	0.5		1.8		4.3		5.6		4.3		1.8		0.5		0.1			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-HEG-S

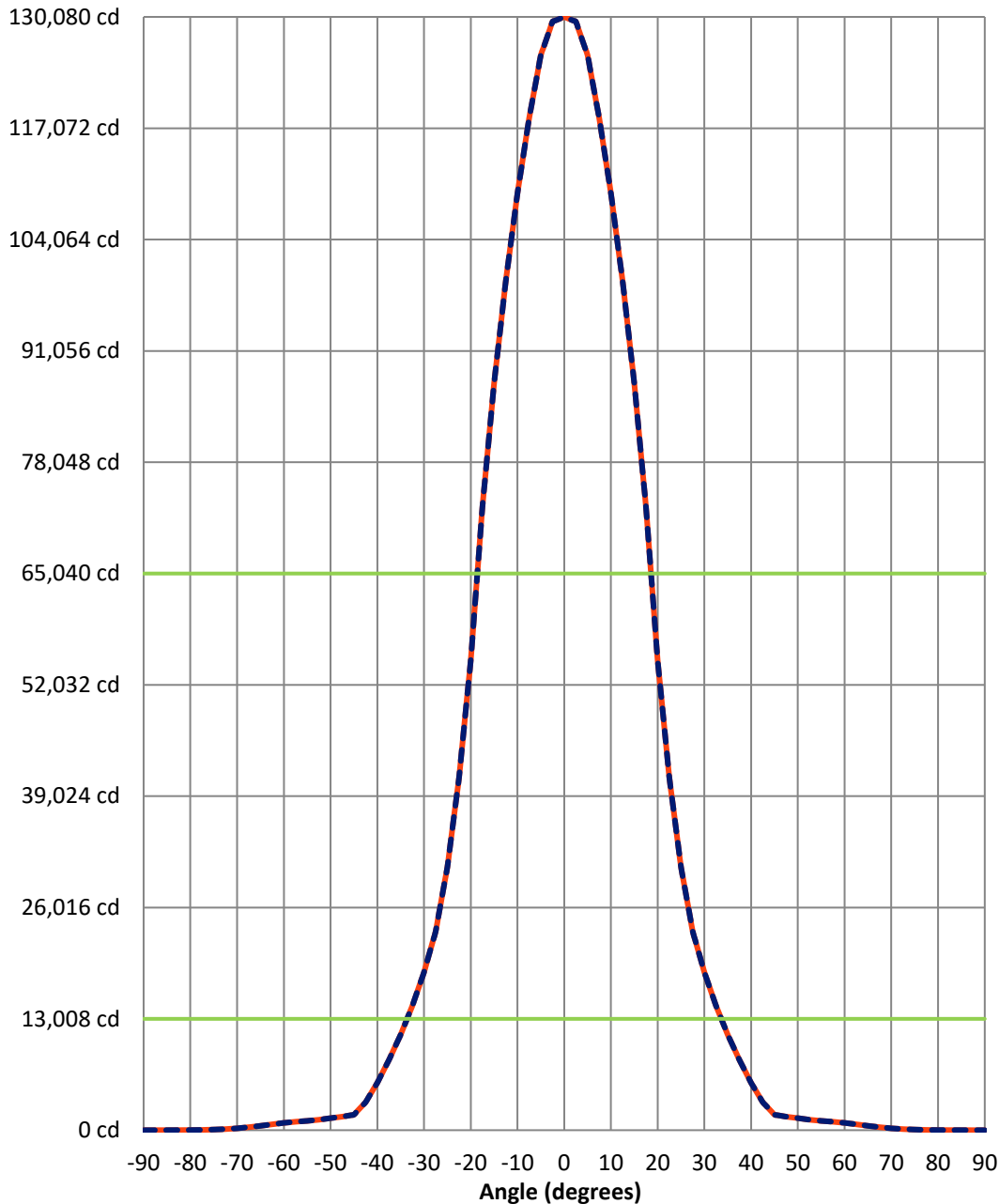
Luminous Intensity Polar Plot



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

REPORT NUMBER: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-HEG-S

Luminous Intensity Plot



Beam:
 H Angle: 37.2°
 V Angle: 37.2°
 Lumens: 31272.9
 Efficiency: 52.1%

Field:
 H Angle: 67.2°
 V Angle: 67.2°
 Lumens: 52533.2
 Efficiency: 87.5%

Spill:
 Lumens: 7538.7
 Efficiency: 12.5%

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



REPORT NUMBER: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-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	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.3
85°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.0	2.3	2.5
82.5°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.1	3.4	3.8
80°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
77.5°	0.0	0.6	1.3	1.9	2.6	3.2	3.9	4.5	5.1	5.7	6.5
75°	0.0	0.8	1.6	2.3	3.1	3.9	4.6	5.4	6.2	7.4	8.6
72.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.4	7.8	9.2	10.6
70°	0.0	1.0	2.0	3.1	4.1	5.1	6.2	7.8	9.4	11.0	12.6
67.5°	0.0	1.1	2.3	3.4	4.6	5.7	7.4	9.2	11.0	12.8	14.6
65°	0.0	1.3	2.5	3.8	5.1	6.5	8.6	10.6	12.6	14.6	17.8
62.5°	0.0	1.4	2.8	4.1	5.5	7.5	9.7	12.0	14.2	17.1	24.0
60°	0.0	1.5	3.0	4.5	6.0	8.4	10.9	13.3	15.7	22.6	30.1
57.5°	0.0	1.6	3.2	4.8	6.7	9.4	12.0	14.6	19.8	27.9	41.7
55°	0.0	1.7	3.4	5.2	7.4	10.3	13.1	15.9	24.4	34.8	55.8
52.5°	0.0	1.8	3.6	5.5	8.1	11.1	14.1	19.5	28.9	47.2	69.6
50°	0.0	1.9	3.9	5.8	8.8	12.0	15.2	23.3	35.1	59.1	87.5
47.5°	0.0	2.0	4.1	6.1	9.5	12.8	16.4	27.0	45.4	70.7	105.3
45°	0.0	2.1	4.2	6.6	10.1	13.6	19.5	30.6	55.3	86.1	122.6
42.5°	0.0	2.2	4.4	7.0	10.7	14.4	22.4	36.8	64.8	101.0	149.1
40°	0.0	2.3	4.6	7.5	11.3	15.1	25.2	44.8	75.1	115.2	176.1
37.5°	0.0	2.4	4.8	7.9	11.8	15.8	27.8	52.3	87.1	131.4	201.9
35°	0.0	2.5	4.9	8.3	12.4	17.4	30.3	59.5	98.4	153.3	230.4
32.5°	0.0	2.5	5.1	8.6	12.8	19.3	33.7	66.2	109.1	173.9	263.5
30°	0.0	2.6	5.2	9.0	13.3	21.1	39.1	73.1	119.2	193.2	294.6
27.5°	0.0	2.7	5.3	9.3	13.7	22.8	44.0	81.1	130.9	211.2	323.4
25°	0.0	2.7	5.4	9.6	14.1	24.4	48.6	88.6	145.5	232.5	350.3
22.5°	0.0	2.8	5.5	9.9	14.5	25.8	52.8	95.4	158.9	254.2	379.7
20°	0.0	2.8	5.6	10.1	14.8	27.1	56.6	101.5	170.9	273.8	406.2
17.5°	0.0	2.9	5.7	10.3	15.1	28.2	59.9	107.0	181.6	291.2	429.7
15°	0.0	2.9	5.8	10.5	15.3	29.2	62.8	111.7	190.9	306.4	450.3
12.5°	0.0	2.9	5.9	10.6	15.5	30.1	65.3	115.8	198.8	319.4	467.8
10°	0.0	3.0	5.9	10.8	15.7	30.8	67.4	119.1	205.4	330.0	482.2
7.5°	0.0	3.0	5.9	10.9	15.8	31.3	69.0	121.7	210.4	338.3	493.5
5°	0.0	3.0	6.0	10.9	15.9	31.7	70.1	123.5	214.1	344.2	501.5
2.5°	0.0	3.0	6.0	11.0	16.0	31.9	70.8	124.6	216.3	347.8	506.4
0°	0.0	3.0	6.0	11.0	16.0	32.0	71.0	125.0	217.0	349.0	508.0
-2.5°	0.0	3.0	6.0	11.0	16.0	31.9	70.8	124.6	216.3	347.8	506.4
-5°	0.0	3.0	6.0	10.9	15.9	31.7	70.1	123.5	214.1	344.2	501.5
-7.5°	0.0	3.0	5.9	10.9	15.8	31.3	69.0	121.7	210.4	338.3	493.5
-10°	0.0	3.0	5.9	10.8	15.7	30.8	67.4	119.1	205.4	330.0	482.2
-12.5°	0.0	2.9	5.9	10.6	15.5	30.1	65.3	115.8	198.8	319.4	467.8
-15°	0.0	2.9	5.8	10.5	15.3	29.2	62.8	111.7	190.9	306.4	450.3
-17.5°	0.0	2.9	5.7	10.3	15.1	28.2	59.9	107.0	181.6	291.2	429.7
-20°	0.0	2.8	5.6	10.1	14.8	27.1	56.6	101.5	170.9	273.8	406.2



REPORT NUMBER: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-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	2.8	5.5	9.9	14.5	25.8	52.8	95.4	158.9	254.2	379.7
-25°	0.0	2.7	5.4	9.6	14.1	24.4	48.6	88.6	145.5	232.5	350.3
-27.5°	0.0	2.7	5.3	9.3	13.7	22.8	44.0	81.1	130.9	211.2	323.4
-30°	0.0	2.6	5.2	9.0	13.3	21.1	39.1	73.1	119.2	193.2	294.6
-32.5°	0.0	2.5	5.1	8.6	12.8	19.3	33.7	66.2	109.1	173.9	263.5
-35°	0.0	2.5	4.9	8.3	12.4	17.4	30.3	59.5	98.4	153.3	230.4
-37.5°	0.0	2.4	4.8	7.9	11.8	15.8	27.8	52.3	87.1	131.4	201.9
-40°	0.0	2.3	4.6	7.5	11.3	15.1	25.2	44.8	75.1	115.2	176.1
-42.5°	0.0	2.2	4.4	7.0	10.7	14.4	22.4	36.8	64.8	101.0	149.1
-45°	0.0	2.1	4.2	6.6	10.1	13.6	19.5	30.6	55.3	86.1	122.6
-47.5°	0.0	2.0	4.1	6.1	9.5	12.8	16.4	27.0	45.4	70.7	105.3
-50°	0.0	1.9	3.9	5.8	8.8	12.0	15.2	23.3	35.1	59.1	87.5
-52.5°	0.0	1.8	3.6	5.5	8.1	11.1	14.1	19.5	28.9	47.2	69.6
-55°	0.0	1.7	3.4	5.2	7.4	10.3	13.1	15.9	24.4	34.8	55.8
-57.5°	0.0	1.6	3.2	4.8	6.7	9.4	12.0	14.6	19.8	27.9	41.7
-60°	0.0	1.5	3.0	4.5	6.0	8.4	10.9	13.3	15.7	22.6	30.1
-62.5°	0.0	1.4	2.8	4.1	5.5	7.5	9.7	12.0	14.2	17.1	24.0
-65°	0.0	1.3	2.5	3.8	5.1	6.5	8.6	10.6	12.6	14.6	17.8
-67.5°	0.0	1.1	2.3	3.4	4.6	5.7	7.4	9.2	11.0	12.8	14.6
-70°	0.0	1.0	2.0	3.1	4.1	5.1	6.2	7.8	9.4	11.0	12.6
-72.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.4	7.8	9.2	10.6
-75°	0.0	0.8	1.6	2.3	3.1	3.9	4.6	5.4	6.2	7.4	8.6
-77.5°	0.0	0.6	1.3	1.9	2.6	3.2	3.9	4.5	5.1	5.7	6.5
-80°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
-82.5°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.1	3.4	3.8
-85°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.0	2.3	2.5
-87.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.3
-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: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-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°	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
85°	2.8	3.0	3.2	3.4	3.6	3.9	4.1	4.2	4.4	4.6	4.8
82.5°	4.1	4.5	4.8	5.2	5.5	5.8	6.1	6.6	7.0	7.5	7.9
80°	5.5	6.0	6.7	7.4	8.1	8.8	9.5	10.1	10.7	11.3	11.8
77.5°	7.5	8.4	9.4	10.3	11.1	12.0	12.8	13.6	14.4	15.1	15.8
75°	9.7	10.9	12.0	13.1	14.1	15.2	16.4	19.5	22.4	25.2	27.8
72.5°	12.0	13.3	14.6	15.9	19.5	23.3	27.0	30.6	36.8	44.8	52.3
70°	14.2	15.7	19.8	24.4	28.9	35.1	45.4	55.3	64.8	75.1	87.1
67.5°	17.1	22.6	27.9	34.8	47.2	59.1	70.7	86.1	101.0	115.2	131.4
65°	24.0	30.1	41.7	55.8	69.6	87.5	105.3	122.6	149.1	176.1	201.9
62.5°	30.8	45.2	61.1	78.7	99.6	119.9	149.9	182.3	213.4	254.8	295.6
60°	45.2	62.8	83.6	107.0	133.1	170.9	207.5	254.2	303.2	350.3	404.4
57.5°	61.1	83.6	109.4	141.5	183.6	227.8	284.8	340.0	402.2	463.8	524.4
55°	78.7	107.0	141.5	187.8	240.1	303.3	368.0	439.8	509.2	583.4	654.4
52.5°	99.6	133.1	183.6	240.1	309.5	383.1	462.5	543.2	626.1	705.2	778.8
50°	119.9	170.9	227.8	303.3	383.1	470.1	560.3	652.0	738.6	820.9	889.4
47.5°	149.9	207.5	284.8	368.0	462.5	560.3	660.7	755.5	846.4	915.7	980.3
45°	182.3	254.2	340.0	439.8	543.2	652.0	755.5	855.0	928.9	997.0	1050.6
42.5°	213.4	303.2	402.2	509.2	626.1	738.6	846.4	928.9	1002.3	1061.3	1128.7
40°	254.8	350.3	463.8	583.4	705.2	820.9	915.7	997.0	1061.3	1136.0	1216.1
37.5°	295.6	404.4	524.4	654.4	778.8	889.4	980.3	1050.6	1128.7	1216.1	1333.9
35°	334.5	455.7	586.7	720.7	849.0	947.1	1029.5	1107.2	1201.4	1323.3	1445.0
32.5°	375.7	504.3	645.8	782.3	901.4	998.3	1075.3	1172.3	1291.7	1425.7	1544.1
30°	417.1	554.7	700.7	840.3	949.5	1038.6	1129.3	1239.8	1384.8	1514.5	1661.3
27.5°	455.7	602.0	750.5	885.3	992.4	1076.4	1183.4	1321.7	1465.9	1606.2	1784.5
25°	491.4	645.8	796.6	923.7	1024.8	1119.8	1239.3	1398.1	1539.4	1714.3	2376.0
22.5°	525.8	685.8	838.8	959.0	1054.6	1162.7	1304.7	1462.4	1618.3	1839.5	3051.1
20°	558.7	720.7	871.9	989.6	1081.7	1201.7	1364.3	1519.9	1703.6	2415.5	3900.3
17.5°	587.9	751.7	897.9	1011.8	1112.4	1243.4	1416.8	1571.6	1780.4	2935.1	4775.9
15°	613.4	778.8	920.8	1031.2	1140.5	1286.6	1458.7	1631.8	2048.6	3468.4	5556.3
12.5°	635.1	801.9	940.2	1047.8	1164.5	1323.5	1494.7	1685.4	2413.3	4086.0	6347.5
10°	653.0	820.9	956.3	1061.5	1184.4	1354.1	1524.4	1729.8	2715.8	4599.2	7006.4
7.5°	667.0	835.8	968.8	1072.2	1199.9	1378.0	1547.7	1764.7	2953.7	5003.4	7526.4
5°	677.0	846.4	977.8	1079.8	1211.0	1395.2	1564.5	1789.8	3125.0	5295.0	7901.9
2.5°	683.0	852.9	983.2	1084.5	1217.8	1405.5	1574.6	1804.9	3228.4	5471.1	8129.0
0°	685.0	855.0	985.0	1086.0	1220.0	1409.0	1578.0	1810.0	3263.0	5530.0	8205.0
-2.5°	683.0	852.9	983.2	1084.5	1217.8	1405.5	1574.6	1804.9	3228.4	5471.1	8129.0
-5°	677.0	846.4	977.8	1079.8	1211.0	1395.2	1564.5	1789.8	3125.0	5295.0	7901.9
-7.5°	667.0	835.8	968.8	1072.2	1199.9	1378.0	1547.7	1764.7	2953.7	5003.4	7526.4
-10°	653.0	820.9	956.3	1061.5	1184.4	1354.1	1524.4	1729.8	2715.8	4599.2	7006.4
-12.5°	635.1	801.9	940.2	1047.8	1164.5	1323.5	1494.7	1685.4	2413.3	4086.0	6347.5
-15°	613.4	778.8	920.8	1031.2	1140.5	1286.6	1458.7	1631.8	2048.6	3468.4	5556.3
-17.5°	587.9	751.7	897.9	1011.8	1112.4	1243.4	1416.8	1571.6	1780.4	2935.1	4775.9
-20°	558.7	720.7	871.9	989.6	1081.7	1201.7	1364.3	1519.9	1703.6	2415.5	3900.3



REPORT NUMBER: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-HEG-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	525.8	685.8	838.8	959.0	1054.6	1162.7	1304.7	1462.4	1618.3	1839.5	3051.1
-25°	491.4	645.8	796.6	923.7	1024.8	1119.8	1239.3	1398.1	1539.4	1714.3	2376.0
-27.5°	455.7	602.0	750.5	885.3	992.4	1076.4	1183.4	1321.7	1465.9	1606.2	1784.5
-30°	417.1	554.7	700.7	840.3	949.5	1038.6	1129.3	1239.8	1384.8	1514.5	1661.3
-32.5°	375.7	504.3	645.8	782.3	901.4	998.3	1075.3	1172.3	1291.7	1425.7	1544.1
-35°	334.5	455.7	586.7	720.7	849.0	947.1	1029.5	1107.2	1201.4	1323.3	1445.0
-37.5°	295.6	404.4	524.4	654.4	778.8	889.4	980.3	1050.6	1128.7	1216.1	1333.9
-40°	254.8	350.3	463.8	583.4	705.2	820.9	915.7	997.0	1061.3	1136.0	1216.1
-42.5°	213.4	303.2	402.2	509.2	626.1	738.6	846.4	928.9	1002.3	1061.3	1128.7
-45°	182.3	254.2	340.0	439.8	543.2	652.0	755.5	855.0	928.9	997.0	1050.6
-47.5°	149.9	207.5	284.8	368.0	462.5	560.3	660.7	755.5	846.4	915.7	980.3
-50°	119.9	170.9	227.8	303.3	383.1	470.1	560.3	652.0	738.6	820.9	889.4
-52.5°	99.6	133.1	183.6	240.1	309.5	383.1	462.5	543.2	626.1	705.2	778.8
-55°	78.7	107.0	141.5	187.8	240.1	303.3	368.0	439.8	509.2	583.4	654.4
-57.5°	61.1	83.6	109.4	141.5	183.6	227.8	284.8	340.0	402.2	463.8	524.4
-60°	45.2	62.8	83.6	107.0	133.1	170.9	207.5	254.2	303.2	350.3	404.4
-62.5°	30.8	45.2	61.1	78.7	99.6	119.9	149.9	182.3	213.4	254.8	295.6
-65°	24.0	30.1	41.7	55.8	69.6	87.5	105.3	122.6	149.1	176.1	201.9
-67.5°	17.1	22.6	27.9	34.8	47.2	59.1	70.7	86.1	101.0	115.2	131.4
-70°	14.2	15.7	19.8	24.4	28.9	35.1	45.4	55.3	64.8	75.1	87.1
-72.5°	12.0	13.3	14.6	15.9	19.5	23.3	27.0	30.6	36.8	44.8	52.3
-75°	9.7	10.9	12.0	13.1	14.1	15.2	16.4	19.5	22.4	25.2	27.8
-77.5°	7.5	8.4	9.4	10.3	11.1	12.0	12.8	13.6	14.4	15.1	15.8
-80°	5.5	6.0	6.7	7.4	8.1	8.8	9.5	10.1	10.7	11.3	11.8
-82.5°	4.1	4.5	4.8	5.2	5.5	5.8	6.1	6.6	7.0	7.5	7.9
-85°	2.8	3.0	3.2	3.4	3.6	3.9	4.1	4.2	4.4	4.6	4.8
-87.5°	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
-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: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-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°	2.5	2.5	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
85°	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9
82.5°	8.3	8.6	9.0	9.3	9.6	9.9	10.1	10.3	10.5	10.6	10.8
80°	12.4	12.8	13.3	13.7	14.1	14.5	14.8	15.1	15.3	15.5	15.7
77.5°	17.4	19.3	21.1	22.8	24.4	25.8	27.1	28.2	29.2	30.1	30.8
75°	30.3	33.7	39.1	44.0	48.6	52.8	56.6	59.9	62.8	65.3	67.4
72.5°	59.5	66.2	73.1	81.1	88.6	95.4	101.5	107.0	111.7	115.8	119.1
70°	98.4	109.1	119.2	130.9	145.5	158.9	170.9	181.6	190.9	198.8	205.4
67.5°	153.3	173.9	193.2	211.2	232.5	254.2	273.8	291.2	306.4	319.4	330.0
65°	230.4	263.5	294.6	323.4	350.3	379.7	406.2	429.7	450.3	467.8	482.2
62.5°	334.5	375.7	417.1	455.7	491.4	525.8	558.7	587.9	613.4	635.1	653.0
60°	455.7	504.3	554.7	602.0	645.8	685.8	720.7	751.7	778.8	801.9	820.9
57.5°	586.7	645.8	700.7	750.5	796.6	838.8	871.9	897.9	920.8	940.2	956.3
55°	720.7	782.3	840.3	885.3	923.7	959.0	989.6	1011.8	1031.2	1047.8	1061.5
52.5°	849.0	901.4	949.5	992.4	1024.8	1054.6	1081.7	1112.4	1140.5	1164.5	1184.4
50°	947.1	998.3	1038.6	1076.4	1119.8	1162.7	1201.7	1243.4	1286.6	1323.5	1354.1
47.5°	1029.5	1075.3	1129.3	1183.4	1239.3	1304.7	1364.3	1416.8	1458.7	1494.7	1524.4
45°	1107.2	1172.3	1239.8	1321.7	1398.1	1462.4	1519.9	1571.6	1631.8	1685.4	1729.8
42.5°	1201.4	1291.7	1384.8	1465.9	1539.4	1618.3	1703.6	1780.4	2048.6	2413.3	2715.8
40°	1323.3	1425.7	1514.5	1606.2	1714.3	1839.5	2415.5	2935.1	3468.4	4086.0	4599.2
37.5°	1445.0	1544.1	1661.3	1784.5	2376.0	3051.1	3900.3	4775.9	5556.3	6347.5	7006.4
35°	1554.0	1689.2	1918.5	2741.0	3658.9	4788.9	5884.8	7000.4	7992.7	8917.7	9708.0
32.5°	1689.2	2008.5	2925.8	4102.5	5395.0	6799.7	8122.0	9440.2	10624.4	11726.7	12714.1
30°	1918.5	2925.8	4251.8	5733.5	7359.8	8959.1	10524.9	12074.4	13545.2	14878.4	16133.8
27.5°	2741.0	4102.5	5733.5	7548.4	9388.8	11196.7	13123.8	14956.0	16812.9	18441.7	20118.1
25°	3658.9	5395.0	7359.8	9388.8	11454.1	13658.6	15924.5	18150.4	20545.6	22717.0	25318.5
22.5°	4788.9	6799.7	8959.1	11196.7	13658.6	16251.9	18919.4	21851.4	25265.2	28999.5	32765.2
20°	5884.8	8122.0	10524.9	13123.8	15924.5	18919.4	22294.3	26727.3	31519.5	37228.8	42461.7
17.5°	7000.4	9440.2	12074.4	14956.0	18150.4	21851.4	26727.3	32610.8	39542.8	47271.6	54474.7
15°	7992.7	10624.4	13545.2	16812.9	20545.6	25265.2	31519.5	39542.8	48921.4	58960.0	69485.2
12.5°	8917.7	11726.7	14878.4	18441.7	22717.0	28999.5	37228.8	47271.6	58960.0	72041.5	81720.9
10°	9708.0	12714.1	16133.8	20118.1	25318.5	32765.2	42461.7	54474.7	69485.2	81720.9	91693.5
7.5°	10333.1	13497.2	17132.9	21459.2	27645.2	36364.1	47740.5	62113.0	77247.1	89507.4	99312.4
5°	10785.5	14065.2	17859.5	22437.8	29350.6	39017.2	51662.3	67945.9	82672.9	94847.2	104746.3
2.5°	11059.3	14409.5	18300.9	23033.7	30392.4	40645.0	54082.3	71574.7	86089.1	98123.7	108227.0
0°	11151.0	14524.9	18448.9	23233.9	30742.9	41193.8	54900.8	72807.7	87257.7	99210.1	109457.6
-2.5°	11059.3	14409.5	18300.9	23033.7	30392.4	40645.0	54082.3	71574.7	86089.1	98123.7	108227.0
-5°	10785.5	14065.2	17859.5	22437.8	29350.6	39017.2	51662.3	67945.9	82672.9	94847.2	104746.3
-7.5°	10333.1	13497.2	17132.9	21459.2	27645.2	36364.1	47740.5	62113.0	77247.1	89507.4	99312.4
-10°	9708.0	12714.1	16133.8	20118.1	25318.5	32765.2	42461.7	54474.7	69485.2	81720.9	91693.5
-12.5°	8917.7	11726.7	14878.4	18441.7	22717.0	28999.5	37228.8	47271.6	58960.0	72041.5	81720.9
-15°	7992.7	10624.4	13545.2	16812.9	20545.6	25265.2	31519.5	39542.8	48921.4	58960.0	69485.2
-17.5°	7000.4	9440.2	12074.4	14956.0	18150.4	21851.4	26727.3	32610.8	39542.8	47271.6	54474.7
-20°	5884.8	8122.0	10524.9	13123.8	15924.5	18919.4	22294.3	26727.3	31519.5	37228.8	42461.7



REPORT NUMBER: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-HEG-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4788.9	6799.7	8959.1	11196.7	13658.6	16251.9	18919.4	21851.4	25265.2	28999.5	32765.2
-25°	3658.9	5395.0	7359.8	9388.8	11454.1	13658.6	15924.5	18150.4	20545.6	22717.0	25318.5
-27.5°	2741.0	4102.5	5733.5	7548.4	9388.8	11196.7	13123.8	14956.0	16812.9	18441.7	20118.1
-30°	1918.5	2925.8	4251.8	5733.5	7359.8	8959.1	10524.9	12074.4	13545.2	14878.4	16133.8
-32.5°	1689.2	2008.5	2925.8	4102.5	5395.0	6799.7	8122.0	9440.2	10624.4	11726.7	12714.1
-35°	1554.0	1689.2	1918.5	2741.0	3658.9	4788.9	5884.8	7000.4	7992.7	8917.7	9708.0
-37.5°	1445.0	1544.1	1661.3	1784.5	2376.0	3051.1	3900.3	4775.9	5556.3	6347.5	7006.4
-40°	1323.3	1425.7	1514.5	1606.2	1714.3	1839.5	2415.5	2935.1	3468.4	4086.0	4599.2
-42.5°	1201.4	1291.7	1384.8	1465.9	1539.4	1618.3	1703.6	1780.4	2048.6	2413.3	2715.8
-45°	1107.2	1172.3	1239.8	1321.7	1398.1	1462.4	1519.9	1571.6	1631.8	1685.4	1729.8
-47.5°	1029.5	1075.3	1129.3	1183.4	1239.3	1304.7	1364.3	1416.8	1458.7	1494.7	1524.4
-50°	947.1	998.3	1038.6	1076.4	1119.8	1162.7	1201.7	1243.4	1286.6	1323.5	1354.1
-52.5°	849.0	901.4	949.5	992.4	1024.8	1054.6	1081.7	1112.4	1140.5	1164.5	1184.4
-55°	720.7	782.3	840.3	885.3	923.7	959.0	989.6	1011.8	1031.2	1047.8	1061.5
-57.5°	586.7	645.8	700.7	750.5	796.6	838.8	871.9	897.9	920.8	940.2	956.3
-60°	455.7	504.3	554.7	602.0	645.8	685.8	720.7	751.7	778.8	801.9	820.9
-62.5°	334.5	375.7	417.1	455.7	491.4	525.8	558.7	587.9	613.4	635.1	653.0
-65°	230.4	263.5	294.6	323.4	350.3	379.7	406.2	429.7	450.3	467.8	482.2
-67.5°	153.3	173.9	193.2	211.2	232.5	254.2	273.8	291.2	306.4	319.4	330.0
-70°	98.4	109.1	119.2	130.9	145.5	158.9	170.9	181.6	190.9	198.8	205.4
-72.5°	59.5	66.2	73.1	81.1	88.6	95.4	101.5	107.0	111.7	115.8	119.1
-75°	30.3	33.7	39.1	44.0	48.6	52.8	56.6	59.9	62.8	65.3	67.4
-77.5°	17.4	19.3	21.1	22.8	24.4	25.8	27.1	28.2	29.2	30.1	30.8
-80°	12.4	12.8	13.3	13.7	14.1	14.5	14.8	15.1	15.3	15.5	15.7
-82.5°	8.3	8.6	9.0	9.3	9.6	9.9	10.1	10.3	10.5	10.6	10.8
-85°	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9
-87.5°	2.5	2.5	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
-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: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
85°	5.9	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.7
82.5°	10.9	10.9	11.0	11.0	11.0	10.9	10.9	10.8	10.6	10.5	10.3
80°	15.8	15.9	16.0	16.0	16.0	15.9	15.8	15.7	15.5	15.3	15.1
77.5°	31.3	31.7	31.9	32.0	31.9	31.7	31.3	30.8	30.1	29.2	28.2
75°	69.0	70.1	70.8	71.0	70.8	70.1	69.0	67.4	65.3	62.8	59.9
72.5°	121.7	123.5	124.6	125.0	124.6	123.5	121.7	119.1	115.8	111.7	107.0
70°	210.4	214.1	216.3	217.0	216.3	214.1	210.4	205.4	198.8	190.9	181.6
67.5°	338.3	344.2	347.8	349.0	347.8	344.2	338.3	330.0	319.4	306.4	291.2
65°	493.5	501.5	506.4	508.0	506.4	501.5	493.5	482.2	467.8	450.3	429.7
62.5°	667.0	677.0	683.0	685.0	683.0	677.0	667.0	653.0	635.1	613.4	587.9
60°	835.8	846.4	852.9	855.0	852.9	846.4	835.8	820.9	801.9	778.8	751.7
57.5°	968.8	977.8	983.2	985.0	983.2	977.8	968.8	956.3	940.2	920.8	897.9
55°	1072.2	1079.8	1084.5	1086.0	1084.5	1079.8	1072.2	1061.5	1047.8	1031.2	1011.8
52.5°	1199.9	1211.0	1217.8	1220.0	1217.8	1211.0	1199.9	1184.4	1164.5	1140.5	1112.4
50°	1378.0	1395.2	1405.5	1409.0	1405.5	1395.2	1378.0	1354.1	1323.5	1286.6	1243.4
47.5°	1547.7	1564.5	1574.6	1578.0	1574.6	1564.5	1547.7	1524.4	1494.7	1458.7	1416.8
45°	1764.7	1789.8	1804.9	1810.0	1804.9	1789.8	1764.7	1729.8	1685.4	1631.8	1571.6
42.5°	2953.7	3125.0	3228.4	3263.0	3228.4	3125.0	2953.7	2715.8	2413.3	2048.6	1780.4
40°	5003.4	5295.0	5471.1	5530.0	5471.1	5295.0	5003.4	4599.2	4086.0	3468.4	2935.1
37.5°	7526.4	7901.9	8129.0	8205.0	8129.0	7901.9	7526.4	7006.4	6347.5	5556.3	4775.9
35°	10333.1	10785.5	11059.3	11151.0	11059.3	10785.5	10333.1	9708.0	8917.7	7992.7	7000.4
32.5°	13497.2	14065.2	14409.5	14524.9	14409.5	14065.2	13497.2	12714.1	11726.7	10624.4	9440.2
30°	17132.9	17859.5	18300.9	18448.9	18300.9	17859.5	17132.9	16133.8	14878.4	13545.2	12074.4
27.5°	21459.2	22437.8	23033.7	23233.9	23033.7	22437.8	21459.2	20118.1	18441.7	16812.9	14956.0
25°	27645.2	29350.6	30392.4	30742.9	30392.4	29350.6	27645.2	25318.5	22717.0	20545.6	18150.4
22.5°	36364.1	39017.2	40645.0	41193.8	40645.0	39017.2	36364.1	32765.2	28999.5	25265.2	21851.4
20°	47740.5	51662.3	54082.3	54900.8	54082.3	51662.3	47740.5	42461.7	37228.8	31519.5	26727.3
17.5°	62113.0	67945.9	71574.7	72807.7	71574.7	67945.9	62113.0	54474.7	47271.6	39542.8	32610.8
15°	77247.1	82672.9	86089.1	87257.7	86089.1	82672.9	77247.1	69485.2	58960.0	48921.4	39542.8
12.5°	89507.4	94847.2	98123.7	99210.1	98123.7	94847.2	89507.4	81720.9	72041.5	58960.0	47271.6
10°	99312.4	104746.3	108227.0	109457.6	108227.0	104746.3	99312.4	91693.5	81720.9	69485.2	54474.7
7.5°	107068.9	113202.2	116917.0	118239.1	116917.0	113202.2	107068.9	99312.4	89507.4	77247.1	62113.0
5°	113202.2	119659.3	124056.3	125603.5	124056.3	119659.3	113202.2	104746.3	94847.2	82672.9	67945.9
2.5°	116917.0	124056.3	128303.7	129524.0	128303.7	124056.3	116917.0	108227.0	98123.7	86089.1	71574.7
0°	118239.1	125603.5	129524.0	130079.5	129524.0	125603.5	118239.1	109457.6	99210.1	87257.7	72807.7
-2.5°	116917.0	124056.3	128303.7	129524.0	128303.7	124056.3	116917.0	108227.0	98123.7	86089.1	71574.7
-5°	113202.2	119659.3	124056.3	125603.5	124056.3	119659.3	113202.2	104746.3	94847.2	82672.9	67945.9
-7.5°	107068.9	113202.2	116917.0	118239.1	116917.0	113202.2	107068.9	99312.4	89507.4	77247.1	62113.0
-10°	99312.4	104746.3	108227.0	109457.6	108227.0	104746.3	99312.4	91693.5	81720.9	69485.2	54474.7
-12.5°	89507.4	94847.2	98123.7	99210.1	98123.7	94847.2	89507.4	81720.9	72041.5	58960.0	47271.6
-15°	77247.1	82672.9	86089.1	87257.7	86089.1	82672.9	77247.1	69485.2	58960.0	48921.4	39542.8
-17.5°	62113.0	67945.9	71574.7	72807.7	71574.7	67945.9	62113.0	54474.7	47271.6	39542.8	32610.8
-20°	47740.5	51662.3	54082.3	54900.8	54082.3	51662.3	47740.5	42461.7	37228.8	31519.5	26727.3



REPORT NUMBER: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-HEG-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	36364.1	39017.2	40645.0	41193.8	40645.0	39017.2	36364.1	32765.2	28999.5	25265.2	21851.4
-25°	27645.2	29350.6	30392.4	30742.9	30392.4	29350.6	27645.2	25318.5	22717.0	20545.6	18150.4
-27.5°	21459.2	22437.8	23033.7	23233.9	23033.7	22437.8	21459.2	20118.1	18441.7	16812.9	14956.0
-30°	17132.9	17859.5	18300.9	18448.9	18300.9	17859.5	17132.9	16133.8	14878.4	13545.2	12074.4
-32.5°	13497.2	14065.2	14409.5	14524.9	14409.5	14065.2	13497.2	12714.1	11726.7	10624.4	9440.2
-35°	10333.1	10785.5	11059.3	11151.0	11059.3	10785.5	10333.1	9708.0	8917.7	7992.7	7000.4
-37.5°	7526.4	7901.9	8129.0	8205.0	8129.0	7901.9	7526.4	7006.4	6347.5	5556.3	4775.9
-40°	5003.4	5295.0	5471.1	5530.0	5471.1	5295.0	5003.4	4599.2	4086.0	3468.4	2935.1
-42.5°	2953.7	3125.0	3228.4	3263.0	3228.4	3125.0	2953.7	2715.8	2413.3	2048.6	1780.4
-45°	1764.7	1789.8	1804.9	1810.0	1804.9	1789.8	1764.7	1729.8	1685.4	1631.8	1571.6
-47.5°	1547.7	1564.5	1574.6	1578.0	1574.6	1564.5	1547.7	1524.4	1494.7	1458.7	1416.8
-50°	1378.0	1395.2	1405.5	1409.0	1405.5	1395.2	1378.0	1354.1	1323.5	1286.6	1243.4
-52.5°	1199.9	1211.0	1217.8	1220.0	1217.8	1211.0	1199.9	1184.4	1164.5	1140.5	1112.4
-55°	1072.2	1079.8	1084.5	1086.0	1084.5	1079.8	1072.2	1061.5	1047.8	1031.2	1011.8
-57.5°	968.8	977.8	983.2	985.0	983.2	977.8	968.8	956.3	940.2	920.8	897.9
-60°	835.8	846.4	852.9	855.0	852.9	846.4	835.8	820.9	801.9	778.8	751.7
-62.5°	667.0	677.0	683.0	685.0	683.0	677.0	667.0	653.0	635.1	613.4	587.9
-65°	493.5	501.5	506.4	508.0	506.4	501.5	493.5	482.2	467.8	450.3	429.7
-67.5°	338.3	344.2	347.8	349.0	347.8	344.2	338.3	330.0	319.4	306.4	291.2
-70°	210.4	214.1	216.3	217.0	216.3	214.1	210.4	205.4	198.8	190.9	181.6
-72.5°	121.7	123.5	124.6	125.0	124.6	123.5	121.7	119.1	115.8	111.7	107.0
-75°	69.0	70.1	70.8	71.0	70.8	70.1	69.0	67.4	65.3	62.8	59.9
-77.5°	31.3	31.7	31.9	32.0	31.9	31.7	31.3	30.8	30.1	29.2	28.2
-80°	15.8	15.9	16.0	16.0	16.0	15.9	15.8	15.7	15.5	15.3	15.1
-82.5°	10.9	10.9	11.0	11.0	11.0	10.9	10.9	10.8	10.6	10.5	10.3
-85°	5.9	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.7
-87.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
-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: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-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°	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1
85°	5.6	5.5	5.4	5.3	5.2	5.1	4.9	4.8	4.6	4.4	4.2
82.5°	10.1	9.9	9.6	9.3	9.0	8.6	8.3	7.9	7.5	7.0	6.6
80°	14.8	14.5	14.1	13.7	13.3	12.8	12.4	11.8	11.3	10.7	10.1
77.5°	27.1	25.8	24.4	22.8	21.1	19.3	17.4	15.8	15.1	14.4	13.6
75°	56.6	52.8	48.6	44.0	39.1	33.7	30.3	27.8	25.2	22.4	19.5
72.5°	101.5	95.4	88.6	81.1	73.1	66.2	59.5	52.3	44.8	36.8	30.6
70°	170.9	158.9	145.5	130.9	119.2	109.1	98.4	87.1	75.1	64.8	55.3
67.5°	273.8	254.2	232.5	211.2	193.2	173.9	153.3	131.4	115.2	101.0	86.1
65°	406.2	379.7	350.3	323.4	294.6	263.5	230.4	201.9	176.1	149.1	122.6
62.5°	558.7	525.8	491.4	455.7	417.1	375.7	334.5	295.6	254.8	213.4	182.3
60°	720.7	685.8	645.8	602.0	554.7	504.3	455.7	404.4	350.3	303.2	254.2
57.5°	871.9	838.8	796.6	750.5	700.7	645.8	586.7	524.4	463.8	402.2	340.0
55°	989.6	959.0	923.7	885.3	840.3	782.3	720.7	654.4	583.4	509.2	439.8
52.5°	1081.7	1054.6	1024.8	992.4	949.5	901.4	849.0	778.8	705.2	626.1	543.2
50°	1201.7	1162.7	1119.8	1076.4	1038.6	998.3	947.1	889.4	820.9	738.6	652.0
47.5°	1364.3	1304.7	1239.3	1183.4	1129.3	1075.3	1029.5	980.3	915.7	846.4	755.5
45°	1519.9	1462.4	1398.1	1321.7	1239.8	1172.3	1107.2	1050.6	997.0	928.9	855.0
42.5°	1703.6	1618.3	1539.4	1465.9	1384.8	1291.7	1201.4	1128.7	1061.3	1002.3	928.9
40°	2415.5	1839.5	1714.3	1606.2	1514.5	1425.7	1323.3	1216.1	1136.0	1061.3	997.0
37.5°	3900.3	3051.1	2376.0	1784.5	1661.3	1544.1	1445.0	1333.9	1216.1	1128.7	1050.6
35°	5884.8	4788.9	3658.9	2741.0	1918.5	1689.2	1554.0	1445.0	1323.3	1201.4	1107.2
32.5°	8122.0	6799.7	5395.0	4102.5	2925.8	2008.5	1689.2	1544.1	1425.7	1291.7	1172.3
30°	10524.9	8959.1	7359.8	5733.5	4251.8	2925.8	1918.5	1661.3	1514.5	1384.8	1239.8
27.5°	13123.8	11196.7	9388.8	7548.4	5733.5	4102.5	2741.0	1784.5	1606.2	1465.9	1321.7
25°	15924.5	13658.6	11454.1	9388.8	7359.8	5395.0	3658.9	2376.0	1714.3	1539.4	1398.1
22.5°	18919.4	16251.9	13658.6	11196.7	8959.1	6799.7	4788.9	3051.1	1839.5	1618.3	1462.4
20°	22294.3	18919.4	15924.5	13123.8	10524.9	8122.0	5884.8	3900.3	2415.5	1703.6	1519.9
17.5°	26727.3	21851.4	18150.4	14956.0	12074.4	9440.2	7000.4	4775.9	2935.1	1780.4	1571.6
15°	31519.5	25265.2	20545.6	16812.9	13545.2	10624.4	7992.7	5556.3	3468.4	2048.6	1631.8
12.5°	37228.8	28999.5	22717.0	18441.7	14878.4	11726.7	8917.7	6347.5	4086.0	2413.3	1685.4
10°	42461.7	32765.2	25318.5	20118.1	16133.8	12714.1	9708.0	7006.4	4599.2	2715.8	1729.8
7.5°	47740.5	36364.1	27645.2	21459.2	17132.9	13497.2	10333.1	7526.4	5003.4	2953.7	1764.7
5°	51662.3	39017.2	29350.6	22437.8	17859.5	14065.2	10785.5	7901.9	5295.0	3125.0	1789.8
2.5°	54082.3	40645.0	30392.4	23033.7	18300.9	14409.5	11059.3	8129.0	5471.1	3228.4	1804.9
0°	54900.8	41193.8	30742.9	23233.9	18448.9	14524.9	11151.0	8205.0	5530.0	3263.0	1810.0
-2.5°	54082.3	40645.0	30392.4	23033.7	18300.9	14409.5	11059.3	8129.0	5471.1	3228.4	1804.9
-5°	51662.3	39017.2	29350.6	22437.8	17859.5	14065.2	10785.5	7901.9	5295.0	3125.0	1789.8
-7.5°	47740.5	36364.1	27645.2	21459.2	17132.9	13497.2	10333.1	7526.4	5003.4	2953.7	1764.7
-10°	42461.7	32765.2	25318.5	20118.1	16133.8	12714.1	9708.0	7006.4	4599.2	2715.8	1729.8
-12.5°	37228.8	28999.5	22717.0	18441.7	14878.4	11726.7	8917.7	6347.5	4086.0	2413.3	1685.4
-15°	31519.5	25265.2	20545.6	16812.9	13545.2	10624.4	7992.7	5556.3	3468.4	2048.6	1631.8
-17.5°	26727.3	21851.4	18150.4	14956.0	12074.4	9440.2	7000.4	4775.9	2935.1	1780.4	1571.6
-20°	22294.3	18919.4	15924.5	13123.8	10524.9	8122.0	5884.8	3900.3	2415.5	1703.6	1519.9



REPORT NUMBER: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-HEG-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	18919.4	16251.9	13658.6	11196.7	8959.1	6799.7	4788.9	3051.1	1839.5	1618.3	1462.4
-25°	15924.5	13658.6	11454.1	9388.8	7359.8	5395.0	3658.9	2376.0	1714.3	1539.4	1398.1
-27.5°	13123.8	11196.7	9388.8	7548.4	5733.5	4102.5	2741.0	1784.5	1606.2	1465.9	1321.7
-30°	10524.9	8959.1	7359.8	5733.5	4251.8	2925.8	1918.5	1661.3	1514.5	1384.8	1239.8
-32.5°	8122.0	6799.7	5395.0	4102.5	2925.8	2008.5	1689.2	1544.1	1425.7	1291.7	1172.3
-35°	5884.8	4788.9	3658.9	2741.0	1918.5	1689.2	1554.0	1445.0	1323.3	1201.4	1107.2
-37.5°	3900.3	3051.1	2376.0	1784.5	1661.3	1544.1	1445.0	1333.9	1216.1	1128.7	1050.6
-40°	2415.5	1839.5	1714.3	1606.2	1514.5	1425.7	1323.3	1216.1	1136.0	1061.3	997.0
-42.5°	1703.6	1618.3	1539.4	1465.9	1384.8	1291.7	1201.4	1128.7	1061.3	1002.3	928.9
-45°	1519.9	1462.4	1398.1	1321.7	1239.8	1172.3	1107.2	1050.6	997.0	928.9	855.0
-47.5°	1364.3	1304.7	1239.3	1183.4	1129.3	1075.3	1029.5	980.3	915.7	846.4	755.5
-50°	1201.7	1162.7	1119.8	1076.4	1038.6	998.3	947.1	889.4	820.9	738.6	652.0
-52.5°	1081.7	1054.6	1024.8	992.4	949.5	901.4	849.0	778.8	705.2	626.1	543.2
-55°	989.6	959.0	923.7	885.3	840.3	782.3	720.7	654.4	583.4	509.2	439.8
-57.5°	871.9	838.8	796.6	750.5	700.7	645.8	586.7	524.4	463.8	402.2	340.0
-60°	720.7	685.8	645.8	602.0	554.7	504.3	455.7	404.4	350.3	303.2	254.2
-62.5°	558.7	525.8	491.4	455.7	417.1	375.7	334.5	295.6	254.8	213.4	182.3
-65°	406.2	379.7	350.3	323.4	294.6	263.5	230.4	201.9	176.1	149.1	122.6
-67.5°	273.8	254.2	232.5	211.2	193.2	173.9	153.3	131.4	115.2	101.0	86.1
-70°	170.9	158.9	145.5	130.9	119.2	109.1	98.4	87.1	75.1	64.8	55.3
-72.5°	101.5	95.4	88.6	81.1	73.1	66.2	59.5	52.3	44.8	36.8	30.6
-75°	56.6	52.8	48.6	44.0	39.1	33.7	30.3	27.8	25.2	22.4	19.5
-77.5°	27.1	25.8	24.4	22.8	21.1	19.3	17.4	15.8	15.1	14.4	13.6
-80°	14.8	14.5	14.1	13.7	13.3	12.8	12.4	11.8	11.3	10.7	10.1
-82.5°	10.1	9.9	9.6	9.3	9.0	8.6	8.3	7.9	7.5	7.0	6.6
-85°	5.6	5.5	5.4	5.3	5.2	5.1	4.9	4.8	4.6	4.4	4.2
-87.5°	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1
-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: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-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°	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.1	1.0	0.9
85°	4.1	3.9	3.6	3.4	3.2	3.0	2.8	2.5	2.3	2.0	1.8
82.5°	6.1	5.8	5.5	5.2	4.8	4.5	4.1	3.8	3.4	3.1	2.7
80°	9.5	8.8	8.1	7.4	6.7	6.0	5.5	5.1	4.6	4.1	3.6
77.5°	12.8	12.0	11.1	10.3	9.4	8.4	7.5	6.5	5.7	5.1	4.5
75°	16.4	15.2	14.1	13.1	12.0	10.9	9.7	8.6	7.4	6.2	5.4
72.5°	27.0	23.3	19.5	15.9	14.6	13.3	12.0	10.6	9.2	7.8	6.4
70°	45.4	35.1	28.9	24.4	19.8	15.7	14.2	12.6	11.0	9.4	7.8
67.5°	70.7	59.1	47.2	34.8	27.9	22.6	17.1	14.6	12.8	11.0	9.2
65°	105.3	87.5	69.6	55.8	41.7	30.1	24.0	17.8	14.6	12.6	10.6
62.5°	149.9	119.9	99.6	78.7	61.1	45.2	30.8	24.0	17.1	14.2	12.0
60°	207.5	170.9	133.1	107.0	83.6	62.8	45.2	30.1	22.6	15.7	13.3
57.5°	284.8	227.8	183.6	141.5	109.4	83.6	61.1	41.7	27.9	19.8	14.6
55°	368.0	303.3	240.1	187.8	141.5	107.0	78.7	55.8	34.8	24.4	15.9
52.5°	462.5	383.1	309.5	240.1	183.6	133.1	99.6	69.6	47.2	28.9	19.5
50°	560.3	470.1	383.1	303.3	227.8	170.9	119.9	87.5	59.1	35.1	23.3
47.5°	660.7	560.3	462.5	368.0	284.8	207.5	149.9	105.3	70.7	45.4	27.0
45°	755.5	652.0	543.2	439.8	340.0	254.2	182.3	122.6	86.1	55.3	30.6
42.5°	846.4	738.6	626.1	509.2	402.2	303.2	213.4	149.1	101.0	64.8	36.8
40°	915.7	820.9	705.2	583.4	463.8	350.3	254.8	176.1	115.2	75.1	44.8
37.5°	980.3	889.4	778.8	654.4	524.4	404.4	295.6	201.9	131.4	87.1	52.3
35°	1029.5	947.1	849.0	720.7	586.7	455.7	334.5	230.4	153.3	98.4	59.5
32.5°	1075.3	998.3	901.4	782.3	645.8	504.3	375.7	263.5	173.9	109.1	66.2
30°	1129.3	1038.6	949.5	840.3	700.7	554.7	417.1	294.6	193.2	119.2	73.1
27.5°	1183.4	1076.4	992.4	885.3	750.5	602.0	455.7	323.4	211.2	130.9	81.1
25°	1239.3	1119.8	1024.8	923.7	796.6	645.8	491.4	350.3	232.5	145.5	88.6
22.5°	1304.7	1162.7	1054.6	959.0	838.8	685.8	525.8	379.7	254.2	158.9	95.4
20°	1364.3	1201.7	1081.7	989.6	871.9	720.7	558.7	406.2	273.8	170.9	101.5
17.5°	1416.8	1243.4	1112.4	1011.8	897.9	751.7	587.9	429.7	291.2	181.6	107.0
15°	1458.7	1286.6	1140.5	1031.2	920.8	778.8	613.4	450.3	306.4	190.9	111.7
12.5°	1494.7	1323.5	1164.5	1047.8	940.2	801.9	635.1	467.8	319.4	198.8	115.8
10°	1524.4	1354.1	1184.4	1061.5	956.3	820.9	653.0	482.2	330.0	205.4	119.1
7.5°	1547.7	1378.0	1199.9	1072.2	968.8	835.8	667.0	493.5	338.3	210.4	121.7
5°	1564.5	1395.2	1211.0	1079.8	977.8	846.4	677.0	501.5	344.2	214.1	123.5
2.5°	1574.6	1405.5	1217.8	1084.5	983.2	852.9	683.0	506.4	347.8	216.3	124.6
0°	1578.0	1409.0	1220.0	1086.0	985.0	855.0	685.0	508.0	349.0	217.0	125.0
-2.5°	1574.6	1405.5	1217.8	1084.5	983.2	852.9	683.0	506.4	347.8	216.3	124.6
-5°	1564.5	1395.2	1211.0	1079.8	977.8	846.4	677.0	501.5	344.2	214.1	123.5
-7.5°	1547.7	1378.0	1199.9	1072.2	968.8	835.8	667.0	493.5	338.3	210.4	121.7
-10°	1524.4	1354.1	1184.4	1061.5	956.3	820.9	653.0	482.2	330.0	205.4	119.1
-12.5°	1494.7	1323.5	1164.5	1047.8	940.2	801.9	635.1	467.8	319.4	198.8	115.8
-15°	1458.7	1286.6	1140.5	1031.2	920.8	778.8	613.4	450.3	306.4	190.9	111.7
-17.5°	1416.8	1243.4	1112.4	1011.8	897.9	751.7	587.9	429.7	291.2	181.6	107.0
-20°	1364.3	1201.7	1081.7	989.6	871.9	720.7	558.7	406.2	273.8	170.9	101.5



REPORT NUMBER: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-HEG-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1304.7	1162.7	1054.6	959.0	838.8	685.8	525.8	379.7	254.2	158.9	95.4
-25°	1239.3	1119.8	1024.8	923.7	796.6	645.8	491.4	350.3	232.5	145.5	88.6
-27.5°	1183.4	1076.4	992.4	885.3	750.5	602.0	455.7	323.4	211.2	130.9	81.1
-30°	1129.3	1038.6	949.5	840.3	700.7	554.7	417.1	294.6	193.2	119.2	73.1
-32.5°	1075.3	998.3	901.4	782.3	645.8	504.3	375.7	263.5	173.9	109.1	66.2
-35°	1029.5	947.1	849.0	720.7	586.7	455.7	334.5	230.4	153.3	98.4	59.5
-37.5°	980.3	889.4	778.8	654.4	524.4	404.4	295.6	201.9	131.4	87.1	52.3
-40°	915.7	820.9	705.2	583.4	463.8	350.3	254.8	176.1	115.2	75.1	44.8
-42.5°	846.4	738.6	626.1	509.2	402.2	303.2	213.4	149.1	101.0	64.8	36.8
-45°	755.5	652.0	543.2	439.8	340.0	254.2	182.3	122.6	86.1	55.3	30.6
-47.5°	660.7	560.3	462.5	368.0	284.8	207.5	149.9	105.3	70.7	45.4	27.0
-50°	560.3	470.1	383.1	303.3	227.8	170.9	119.9	87.5	59.1	35.1	23.3
-52.5°	462.5	383.1	309.5	240.1	183.6	133.1	99.6	69.6	47.2	28.9	19.5
-55°	368.0	303.3	240.1	187.8	141.5	107.0	78.7	55.8	34.8	24.4	15.9
-57.5°	284.8	227.8	183.6	141.5	109.4	83.6	61.1	41.7	27.9	19.8	14.6
-60°	207.5	170.9	133.1	107.0	83.6	62.8	45.2	30.1	22.6	15.7	13.3
-62.5°	149.9	119.9	99.6	78.7	61.1	45.2	30.8	24.0	17.1	14.2	12.0
-65°	105.3	87.5	69.6	55.8	41.7	30.1	24.0	17.8	14.6	12.6	10.6
-67.5°	70.7	59.1	47.2	34.8	27.9	22.6	17.1	14.6	12.8	11.0	9.2
-70°	45.4	35.1	28.9	24.4	19.8	15.7	14.2	12.6	11.0	9.4	7.8
-72.5°	27.0	23.3	19.5	15.9	14.6	13.3	12.0	10.6	9.2	7.8	6.4
-75°	16.4	15.2	14.1	13.1	12.0	10.9	9.7	8.6	7.4	6.2	5.4
-77.5°	12.8	12.0	11.1	10.3	9.4	8.4	7.5	6.5	5.7	5.1	4.5
-80°	9.5	8.8	8.1	7.4	6.7	6.0	5.5	5.1	4.6	4.1	3.6
-82.5°	6.1	5.8	5.5	5.2	4.8	4.5	4.1	3.8	3.4	3.1	2.7
-85°	4.1	3.9	3.6	3.4	3.2	3.0	2.8	2.5	2.3	2.0	1.8
-87.5°	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.1	1.0	0.9
-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: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-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°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
85°	1.6	1.3	1.0	0.8	0.5	0.3	0.0
82.5°	2.3	1.9	1.6	1.2	0.8	0.4	0.0
80°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
77.5°	3.9	3.2	2.6	1.9	1.3	0.6	0.0
75°	4.6	3.9	3.1	2.3	1.6	0.8	0.0
72.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
70°	6.2	5.1	4.1	3.1	2.0	1.0	0.0
67.5°	7.4	5.7	4.6	3.4	2.3	1.1	0.0
65°	8.6	6.5	5.1	3.8	2.5	1.3	0.0
62.5°	9.7	7.5	5.5	4.1	2.8	1.4	0.0
60°	10.9	8.4	6.0	4.5	3.0	1.5	0.0
57.5°	12.0	9.4	6.7	4.8	3.2	1.6	0.0
55°	13.1	10.3	7.4	5.2	3.4	1.7	0.0
52.5°	14.1	11.1	8.1	5.5	3.6	1.8	0.0
50°	15.2	12.0	8.8	5.8	3.9	1.9	0.0
47.5°	16.4	12.8	9.5	6.1	4.1	2.0	0.0
45°	19.5	13.6	10.1	6.6	4.2	2.1	0.0
42.5°	22.4	14.4	10.7	7.0	4.4	2.2	0.0
40°	25.2	15.1	11.3	7.5	4.6	2.3	0.0
37.5°	27.8	15.8	11.8	7.9	4.8	2.4	0.0
35°	30.3	17.4	12.4	8.3	4.9	2.5	0.0
32.5°	33.7	19.3	12.8	8.6	5.1	2.5	0.0
30°	39.1	21.1	13.3	9.0	5.2	2.6	0.0
27.5°	44.0	22.8	13.7	9.3	5.3	2.7	0.0
25°	48.6	24.4	14.1	9.6	5.4	2.7	0.0
22.5°	52.8	25.8	14.5	9.9	5.5	2.8	0.0
20°	56.6	27.1	14.8	10.1	5.6	2.8	0.0
17.5°	59.9	28.2	15.1	10.3	5.7	2.9	0.0
15°	62.8	29.2	15.3	10.5	5.8	2.9	0.0
12.5°	65.3	30.1	15.5	10.6	5.9	2.9	0.0
10°	67.4	30.8	15.7	10.8	5.9	3.0	0.0
7.5°	69.0	31.3	15.8	10.9	5.9	3.0	0.0
5°	70.1	31.7	15.9	10.9	6.0	3.0	0.0
2.5°	70.8	31.9	16.0	11.0	6.0	3.0	0.0
0°	71.0	32.0	16.0	11.0	6.0	3.0	0.0
-2.5°	70.8	31.9	16.0	11.0	6.0	3.0	0.0
-5°	70.1	31.7	15.9	10.9	6.0	3.0	0.0
-7.5°	69.0	31.3	15.8	10.9	5.9	3.0	0.0
-10°	67.4	30.8	15.7	10.8	5.9	3.0	0.0
-12.5°	65.3	30.1	15.5	10.6	5.9	2.9	0.0
-15°	62.8	29.2	15.3	10.5	5.8	2.9	0.0
-17.5°	59.9	28.2	15.1	10.3	5.7	2.9	0.0
-20°	56.6	27.1	14.8	10.1	5.6	2.8	0.0



REPORT NUMBER: P701418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-HEG-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	52.8	25.8	14.5	9.9	5.5	2.8	0.0
-25°	48.6	24.4	14.1	9.6	5.4	2.7	0.0
-27.5°	44.0	22.8	13.7	9.3	5.3	2.7	0.0
-30°	39.1	21.1	13.3	9.0	5.2	2.6	0.0
-32.5°	33.7	19.3	12.8	8.6	5.1	2.5	0.0
-35°	30.3	17.4	12.4	8.3	4.9	2.5	0.0
-37.5°	27.8	15.8	11.8	7.9	4.8	2.4	0.0
-40°	25.2	15.1	11.3	7.5	4.6	2.3	0.0
-42.5°	22.4	14.4	10.7	7.0	4.4	2.2	0.0
-45°	19.5	13.6	10.1	6.6	4.2	2.1	0.0
-47.5°	16.4	12.8	9.5	6.1	4.1	2.0	0.0
-50°	15.2	12.0	8.8	5.8	3.9	1.9	0.0
-52.5°	14.1	11.1	8.1	5.5	3.6	1.8	0.0
-55°	13.1	10.3	7.4	5.2	3.4	1.7	0.0
-57.5°	12.0	9.4	6.7	4.8	3.2	1.6	0.0
-60°	10.9	8.4	6.0	4.5	3.0	1.5	0.0
-62.5°	9.7	7.5	5.5	4.1	2.8	1.4	0.0
-65°	8.6	6.5	5.1	3.8	2.5	1.3	0.0
-67.5°	7.4	5.7	4.6	3.4	2.3	1.1	0.0
-70°	6.2	5.1	4.1	3.1	2.0	1.0	0.0
-72.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
-75°	4.6	3.9	3.1	2.3	1.6	0.8	0.0
-77.5°	3.9	3.2	2.6	1.9	1.3	0.6	0.0
-80°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
-82.5°	2.3	1.9	1.6	1.2	0.8	0.4	0.0
-85°	1.6	1.3	1.0	0.8	0.5	0.3	0.0
-87.5°	0.8	0.6	0.5	0.4	0.3	0.1	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

