

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: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-70-5S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-32)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-40-70-5S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

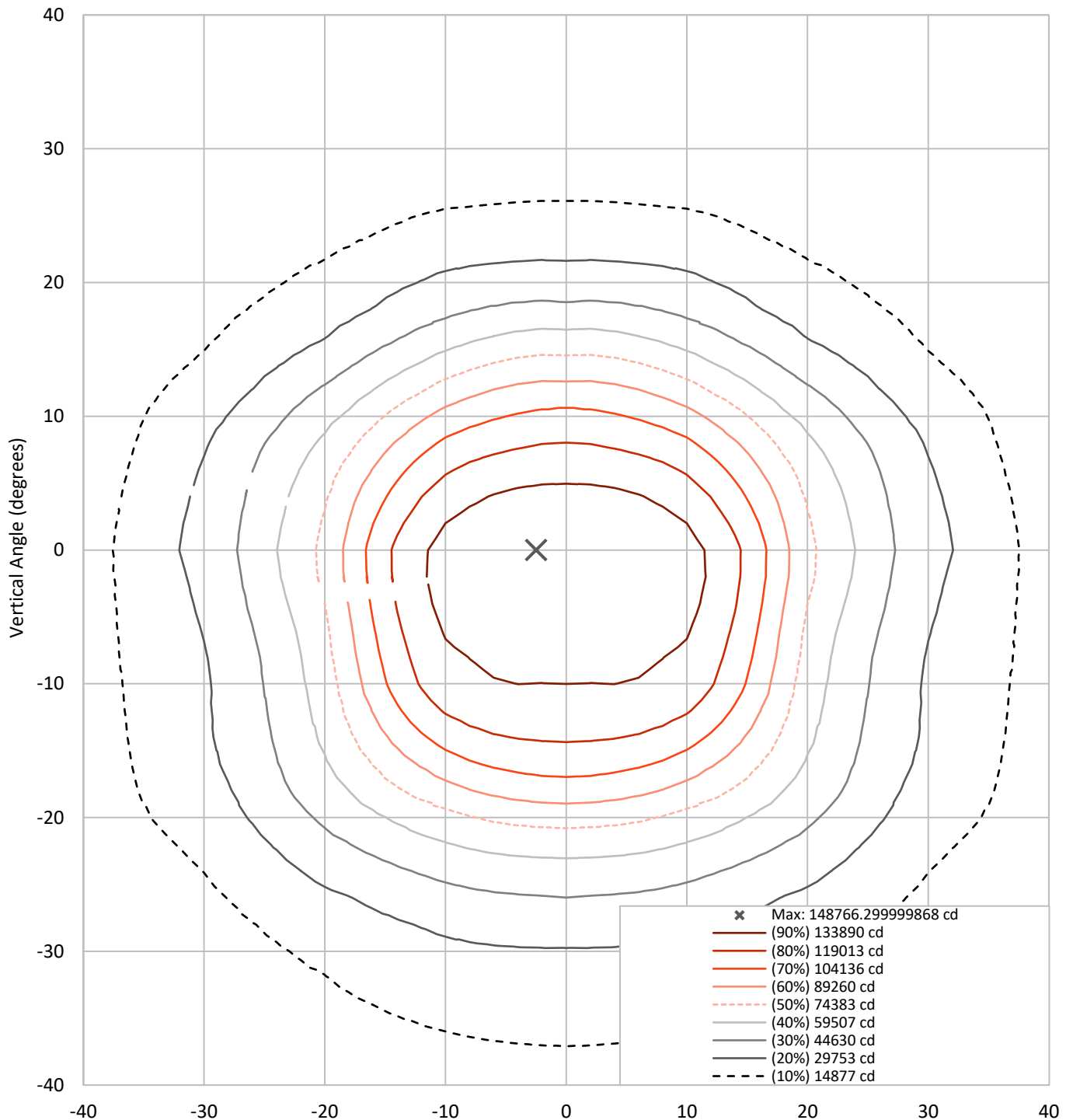
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	73420.3 lumens	Max Intensity:	148766.3 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	105.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.5°H x 35.3°V	Field Angle (10%):	75°H x 63°V
Beam Lumens:	40382.7 lumens	Field Lumens:	67261.4 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%

Input Watts (W): 697.2
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: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV2

Iso-Candela Plot





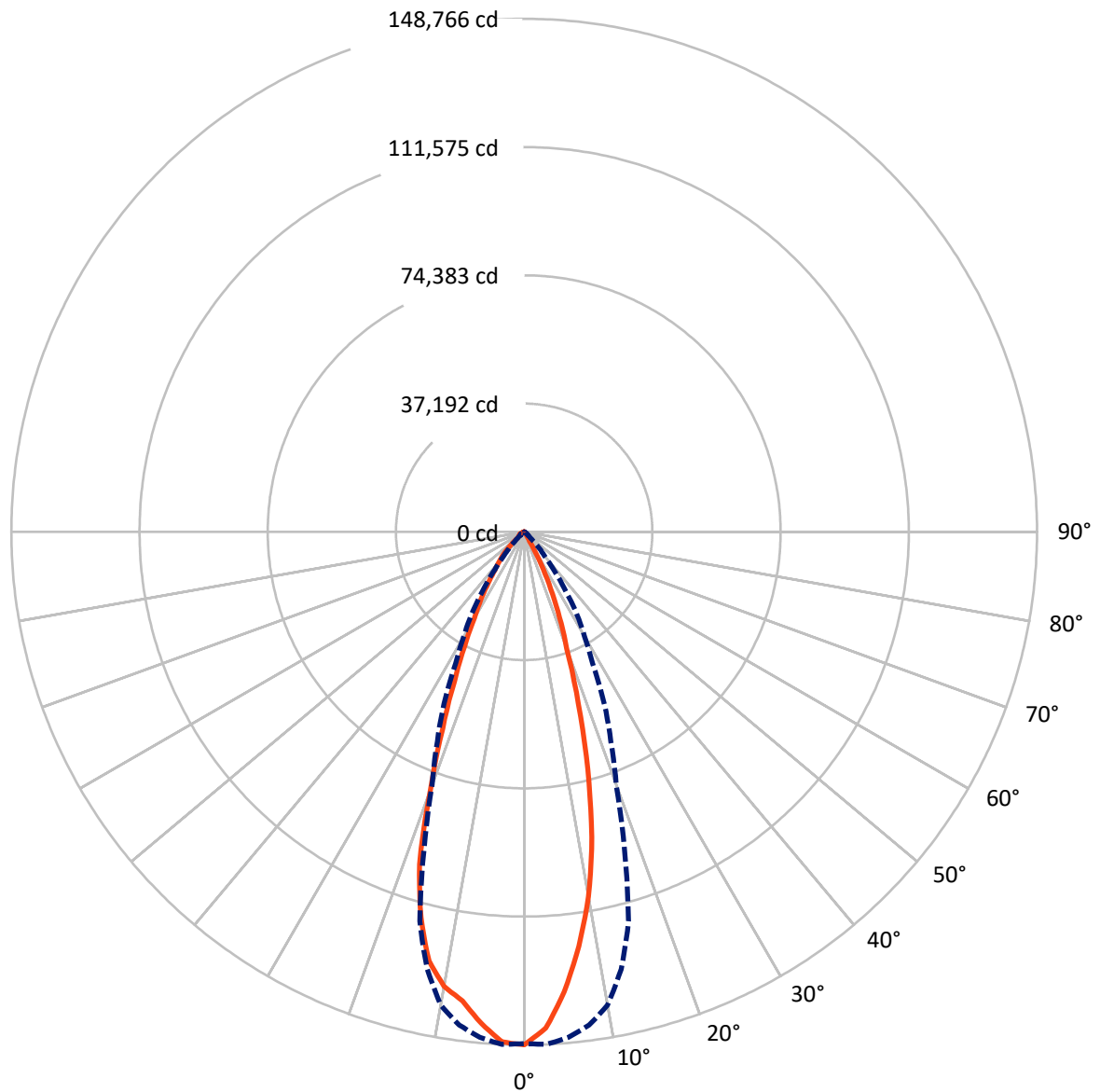
REPORT NUMBER: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV2

Lumen Table

90																
80	0.2	0.5		0.7		0.6		0.5		0.6		0.7		0.5		0.2
70																
60	0.2	0.1	0.2	0.4	0.6	0.4	0.4	0.5	0.5	0.4	0.4	0.6	0.4	0.2	0.1	0.2
50		0.1	0.3	0.7	0.9	0.5	0.5	0.6	0.6	0.5	0.5	0.9	0.7	0.3	0.1	
40	0.2	0.2	0.4	0.7	0.9	1.2	1.9	2.2	2.2	1.9	1.2	0.9	0.7	0.4	0.2	0.2
30		0.2	0.9	2.2	6.0	16.5	28.6	36.4	36.4	28.6	16.5	6.0	2.2	0.9	0.2	
20	0.3	0.4	3.2	11.2	65.2	187.4	380.9	550.0	550.0	380.9	187.4	65.2	11.2	3.2	0.4	0.3
10		0.9	6.9	36.5	231.9	679.6	1392.8	2057.7	2057.7	1392.8	679.6	231.9	36.5	6.9	0.9	
0	0.3	1.6	11.8	79.5	477.0	1362.5	2852.8	3893.6	3893.6	2852.8	1362.5	477.0	79.5	11.8	1.6	0.3
-10		2.7	16.1	96.2	499.5	1395.2	3201.6	4267.2	4267.2	3201.6	1395.2	499.5	96.2	16.1	2.7	
-20	0.4	3.1	16.5	77.2	424.0	1148.7	2419.1	3331.3	3331.3	2419.1	1148.7	424.0	77.2	16.5	3.1	0.4
-30		2.8	13.5	36.2	212.7	614.7	1130.4	1484.3	1484.3	1130.4	614.7	212.7	36.2	13.5	2.8	
-40	0.4	2.1	9.3	21.1	62.1	231.6	426.1	555.9	555.9	426.1	231.6	62.1	21.1	9.3	2.1	0.4
-50		1.2	5.6	14.9	27.4	51.4	115.8	174.7	174.7	115.8	51.4	27.4	14.9	5.6	1.2	
-60	0.3	0.6	2.8	8.3	17.5	28.8	39.5	45.8	45.8	39.5	28.8	17.5	8.3	2.8	0.6	0.3
-70		0.3	1.0	3.3	7.3	12.8	19.2	23.0	23.0	19.2	12.8	7.3	3.3	1.0	0.3	
-80																
-90	0.2	0.8		2.6		6.9		9.7		6.9		2.6		0.8		0.2

REPORT NUMBER: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV2

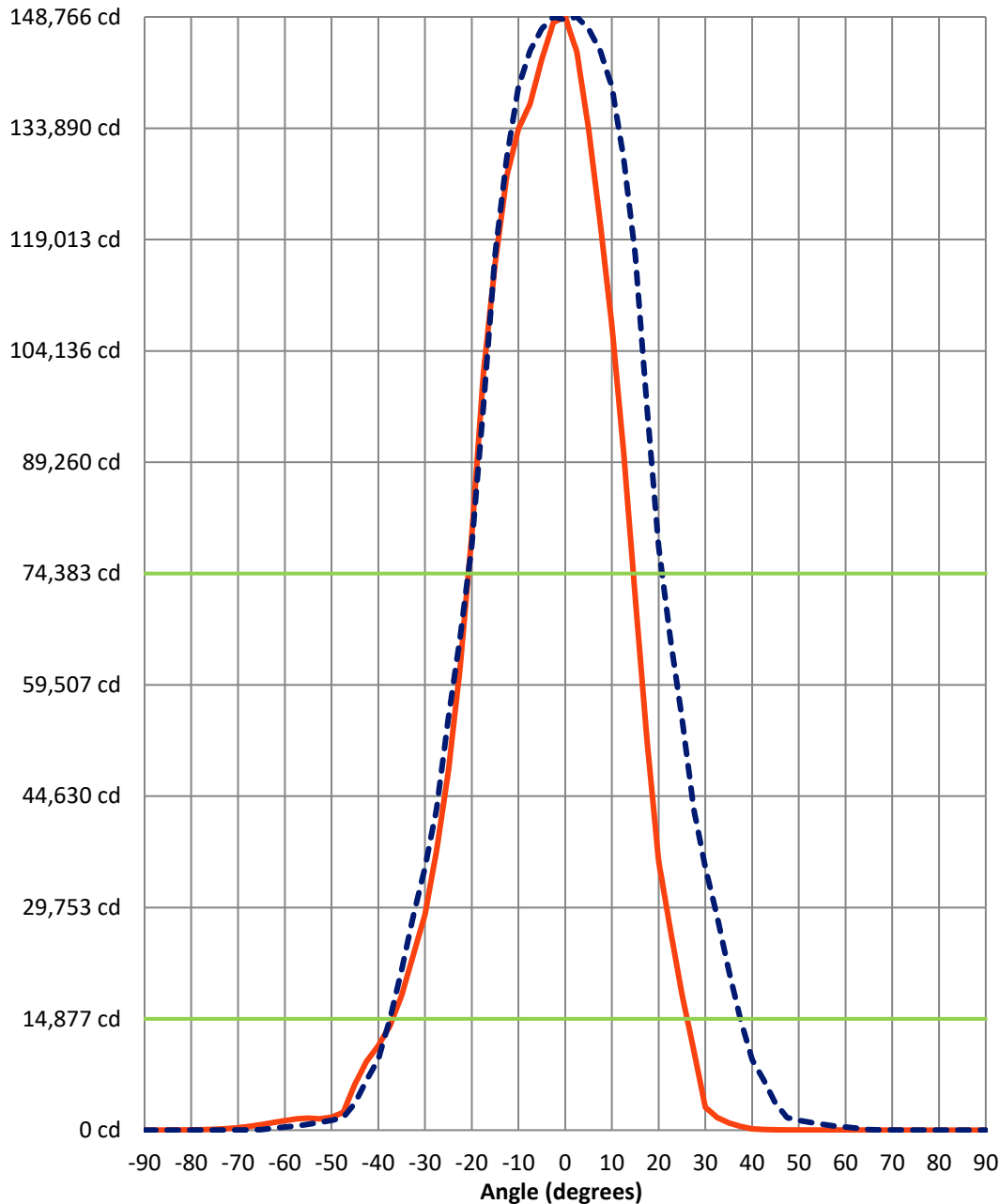
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

REPORT NUMBER: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV2

Luminous Intensity Plot



Beam:
 H Angle: 41.5°
 V Angle: 35.3°
 Lumens: 40382.7
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 67261.4
 Efficiency: 91.6%

Spill:
 Lumens: 6158.9
 Efficiency: 8.4%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through 0-Deg



REPORT NUMBER: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV2

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
87.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
82.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
80°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
77.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
75°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.9	8.8
72.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.8	9.1	9.2	8.9
70°	8.7	8.7	8.7	8.7	8.7	8.7	8.8	9.3	9.6	9.5	9.6
67.5°	8.7	8.7	8.7	8.7	8.7	8.7	9.3	9.9	10.1	10.0	10.3
65°	8.7	8.7	8.7	8.7	8.7	8.9	9.8	10.4	10.3	10.5	10.8
62.5°	8.7	8.7	8.7	8.7	8.7	9.3	10.3	10.7	10.6	10.8	10.8
60°	8.7	8.7	8.7	8.7	8.7	9.7	10.7	10.8	10.8	10.8	10.8
57.5°	8.7	8.7	8.7	8.7	9.0	10.1	10.8	10.8	10.8	10.8	10.8
55°	8.7	8.7	8.7	8.7	9.3	10.5	10.8	10.8	10.8	10.8	10.8
52.5°	8.7	8.7	8.7	8.7	9.6	10.8	10.8	10.8	10.8	10.8	10.8
50°	8.7	8.7	8.7	8.7	9.9	10.8	10.8	10.8	10.8	10.8	11.5
47.5°	8.7	8.7	8.7	8.7	10.2	10.8	10.8	10.8	10.8	10.8	12.2
45°	8.7	8.7	8.7	8.9	10.4	10.8	10.8	10.8	10.9	11.4	12.9
42.5°	8.7	8.7	8.7	9.1	10.7	10.8	10.8	10.9	11.0	12.0	13.6
40°	8.7	8.7	8.7	9.3	10.8	10.8	10.8	11.1	11.4	12.6	14.2
37.5°	8.7	8.7	8.7	9.4	10.8	10.8	10.8	11.3	12.0	13.4	14.8
35°	8.7	8.7	8.7	9.5	10.8	10.8	10.8	11.5	12.6	14.1	15.4
32.5°	8.7	8.7	8.7	9.6	10.8	10.8	10.9	11.8	13.2	15.0	16.5
30°	8.7	8.7	8.7	9.6	10.8	10.8	11.1	12.2	13.8	15.9	17.7
27.5°	8.7	8.7	8.7	9.7	10.7	10.8	11.3	12.7	14.4	16.8	19.1
25°	8.7	8.7	8.7	9.7	10.7	10.8	11.6	13.1	15.2	17.9	20.8
22.5°	8.7	8.7	8.7	9.6	10.7	10.8	11.9	13.6	15.9	19.1	24.5
20°	8.7	8.7	8.7	9.6	10.6	10.8	12.2	14.0	16.7	20.4	28.2
17.5°	8.7	8.7	8.7	9.5	10.6	10.8	12.4	14.4	17.4	21.7	32.0
15°	8.7	8.7	8.7	9.4	10.7	10.8	12.5	14.7	18.1	23.1	35.8
12.5°	8.7	8.7	8.7	9.3	10.7	10.8	12.7	14.8	18.8	24.4	39.4
10°	8.7	8.7	8.7	9.2	10.7	10.8	12.8	15.0	19.5	26.4	44.3
7.5°	8.7	8.7	8.7	9.1	10.7	10.8	12.9	15.1	20.1	28.6	52.3
5°	8.7	8.7	8.7	9.0	10.8	10.8	12.9	15.1	20.7	30.7	60.5
2.5°	8.7	8.7	8.7	8.8	10.8	10.8	13.0	15.2	21.3	32.8	68.4
0°	8.7	8.7	8.7	8.7	10.8	10.8	13.0	15.2	21.7	34.7	75.9
-2.5°	8.7	8.7	8.7	8.8	10.8	11.3	13.9	17.2	27.5	47.5	98.1
-5°	8.7	8.7	8.7	9.0	10.8	11.8	14.7	19.2	33.1	59.8	119.0
-7.5°	8.7	8.7	8.7	9.1	10.7	12.2	15.4	21.0	38.2	71.0	137.9
-10°	8.7	8.7	8.7	9.2	10.7	12.6	16.2	22.7	42.6	81.0	154.3
-12.5°	8.7	8.7	8.7	9.3	10.7	12.9	16.8	24.1	46.2	89.3	165.7
-15°	8.7	8.7	8.7	9.4	10.7	13.2	17.3	25.3	49.7	96.4	173.6
-17.5°	8.7	8.7	8.7	9.5	10.6	13.4	17.8	27.0	53.2	101.7	178.8
-20°	8.7	8.7	8.7	9.6	10.6	13.4	18.4	29.0	55.5	104.9	181.2



REPORT NUMBER: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.7	8.7	8.7	9.6	10.7	13.4	19.0	30.3	56.3	105.8	180.7
-25°	8.7	8.7	8.7	9.7	10.7	13.3	19.4	31.1	55.7	104.4	177.0
-27.5°	8.7	8.7	8.7	9.7	10.7	13.2	19.4	31.1	53.6	101.7	175.0
-30°	8.7	8.7	8.7	9.6	10.8	13.0	19.1	30.5	52.4	99.2	169.8
-32.5°	8.7	8.7	8.7	9.6	10.9	12.7	18.4	30.0	51.6	94.4	161.3
-35°	8.7	8.7	8.7	9.5	11.0	12.2	17.8	29.2	49.8	87.3	149.3
-37.5°	8.7	8.7	8.7	9.4	11.1	12.0	17.3	27.8	46.9	77.9	131.7
-40°	8.7	8.7	8.7	9.3	11.1	12.0	16.6	25.8	42.9	71.7	115.3
-42.5°	8.7	8.7	8.7	9.2	11.1	12.1	15.8	23.3	39.3	64.4	98.1
-45°	8.7	8.7	8.7	9.0	10.9	12.1	14.8	21.0	35.7	56.2	81.4
-47.5°	8.7	8.7	8.7	8.9	10.7	12.1	13.7	19.7	31.3	47.5	71.6
-50°	8.7	8.7	8.7	8.9	10.5	12.0	13.5	18.2	25.8	41.2	61.1
-52.5°	8.7	8.7	8.7	8.9	10.2	11.9	13.3	16.6	22.6	34.4	50.4
-55°	8.7	8.7	8.7	8.9	10.0	11.6	13.1	14.9	20.2	27.2	42.0
-57.5°	8.7	8.7	8.7	9.0	9.7	11.3	12.8	14.5	17.8	23.2	33.1
-60°	8.7	8.7	8.7	9.0	9.5	11.0	12.5	14.1	15.6	20.2	25.6
-62.5°	8.7	8.7	8.7	9.0	9.5	10.6	12.1	13.6	15.0	17.0	21.9
-65°	8.7	8.7	8.7	9.1	9.6	10.3	11.6	13.0	14.4	15.8	18.1
-67.5°	8.7	8.7	8.7	9.1	9.6	10.1	11.2	12.5	13.8	15.1	16.4
-70°	8.7	8.7	8.7	9.1	9.6	10.1	10.7	11.9	13.2	14.4	15.6
-72.5°	8.7	8.7	8.7	9.1	9.7	10.2	10.7	11.3	12.5	13.7	14.8
-75°	8.7	8.7	8.7	9.1	9.7	10.2	10.7	11.1	11.8	12.9	14.0
-77.5°	8.7	8.7	8.7	9.0	9.6	10.2	10.7	11.0	11.5	12.2	13.1
-80°	8.7	8.7	8.7	9.0	9.4	10.0	10.8	10.9	11.2	11.6	12.3
-82.5°	8.7	8.7	8.7	8.9	9.2	9.7	10.3	10.6	10.8	11.0	11.4
-85°	8.7	8.7	8.7	8.8	9.1	9.4	9.8	10.0	10.1	10.3	10.5
-87.5°	8.7	8.7	8.7	8.8	8.9	9.0	9.2	9.3	9.4	9.5	9.6
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7



REPORT NUMBER: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.7	8.7	8.7	8.7	8.2	7.6	7.1	6.5	6.5	6.5	6.5
87.5°	8.4	8.2	7.9	7.8	7.5	7.2	6.9	6.5	6.0	5.4	4.9
85°	8.7	8.7	8.7	8.7	8.2	7.6	7.1	6.5	6.2	6.0	5.8
82.5°	8.7	8.7	8.7	8.7	8.2	7.7	7.1	6.6	6.5	6.5	6.5
80°	8.7	8.7	8.7	8.7	8.2	7.7	7.1	6.6	6.5	6.6	6.6
77.5°	8.7	8.7	8.7	8.7	8.3	7.9	7.7	7.7	7.7	7.5	7.2
75°	8.7	8.7	8.8	8.8	8.6	8.6	8.7	8.7	8.4	7.8	7.3
72.5°	9.0	9.3	9.3	9.0	8.7	8.7	8.7	8.7	8.9	9.1	8.9
70°	9.9	10.0	9.6	9.0	8.7	8.9	9.9	11.0	12.0	11.9	11.8
67.5°	10.7	10.2	9.6	9.3	9.5	10.6	11.9	13.7	15.3	15.3	15.8
65°	10.7	10.2	10.0	10.2	10.7	12.6	14.6	16.5	21.1	24.0	25.4
62.5°	10.8	10.5	10.6	11.3	13.0	15.1	18.1	23.3	30.5	34.4	33.3
60°	10.8	10.7	11.5	13.2	15.1	17.1	21.8	29.0	38.6	45.4	41.4
57.5°	10.8	11.4	12.9	14.6	16.1	17.9	24.3	33.4	44.5	56.5	49.1
55°	11.1	12.3	14.0	15.5	17.1	18.6	25.3	35.6	48.2	55.4	48.3
52.5°	12.0	13.2	14.8	16.4	18.0	19.7	24.7	34.6	42.1	47.7	44.2
50°	12.8	14.1	15.6	17.3	19.2	21.1	21.9	30.0	35.9	38.5	38.3
47.5°	13.6	15.0	16.3	18.3	20.7	22.3	22.2	26.2	30.6	33.5	31.2
45°	14.4	15.8	17.2	19.9	22.5	24.0	25.2	24.3	31.3	33.2	31.8
42.5°	15.1	16.6	19.1	21.7	25.0	28.5	30.5	33.0	36.5	39.8	39.0
40°	15.8	17.4	21.8	26.9	29.2	35.8	42.3	46.2	47.7	50.7	50.8
37.5°	16.5	20.1	26.8	37.6	37.7	47.5	56.7	65.9	68.7	63.6	72.1
35°	17.1	23.2	40.6	53.5	55.6	63.1	78.3	92.4	100.8	96.0	103.9
32.5°	19.1	26.5	58.5	72.0	85.5	92.3	103.2	133.5	162.6	171.4	156.1
30°	22.5	42.9	78.9	92.4	124.1	145.0	151.6	192.3	253.2	306.5	411.4
27.5°	26.8	63.0	98.0	126.7	172.4	210.0	226.4	293.0	397.1	537.6	839.7
25°	31.3	84.1	118.3	170.3	235.6	279.3	306.1	400.1	574.8	1023.1	1587.6
22.5°	42.4	105.6	143.9	218.9	306.9	344.8	401.5	529.6	822.8	1568.0	2504.5
20°	59.6	125.9	180.3	266.9	383.3	407.4	489.5	653.8	1162.2	2291.0	3416.1
17.5°	76.5	148.8	220.3	323.6	442.1	490.7	574.8	767.0	1447.0	3197.0	4599.6
15°	92.8	173.7	257.9	381.0	510.8	606.6	735.5	1021.7	1991.2	4269.8	6166.4
12.5°	108.4	199.9	293.2	438.2	590.3	729.6	919.9	1437.0	2962.0	5523.0	8353.9
10°	122.9	226.5	325.9	494.1	677.4	857.1	1110.7	1891.2	3943.0	6613.7	10085.9
7.5°	156.6	267.1	362.5	547.4	768.6	986.0	1303.4	2364.0	4828.5	7536.7	11533.3
5°	193.9	321.9	432.4	631.1	864.6	1107.3	1480.0	2832.2	5604.9	8297.0	12836.9
2.5°	230.5	374.9	500.5	714.3	956.6	1212.9	1589.2	3240.4	6214.0	8940.3	13961.9
0°	264.5	424.9	565.8	791.3	1040.6	1309.5	1682.3	3596.7	6677.4	9461.0	14848.5
-2.5°	306.1	478.5	638.2	864.6	1068.9	1312.3	1683.8	3465.1	6778.2	9953.1	14515.9
-5°	342.1	527.3	705.4	931.2	1094.0	1308.3	1670.3	3264.1	6722.6	10216.7	14247.8
-7.5°	371.1	570.8	766.0	984.2	1117.2	1321.8	1702.8	3308.5	6629.9	10216.7	14079.7
-10°	387.8	583.2	766.4	981.3	1132.2	1338.9	1725.1	3230.2	6347.4	10005.1	13737.8
-12.5°	372.8	567.8	750.5	968.5	1141.7	1342.3	1717.8	3009.1	5871.1	9573.8	13311.1
-15°	355.1	549.4	728.1	944.9	1145.1	1330.6	1677.8	2630.1	5090.5	8644.9	12796.4
-17.5°	335.3	528.3	698.7	909.6	1142.2	1302.6	1580.2	2030.4	4080.1	7347.1	11615.5
-20°	314.3	504.9	662.2	862.0	1126.6	1238.0	1431.9	1801.2	3219.1	5892.2	9758.8



REPORT NUMBER: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	292.7	479.6	624.1	815.1	1035.5	1160.2	1293.4	1559.3	2275.9	4256.8	7358.2
-25°	280.4	447.7	591.0	753.2	942.1	1087.5	1154.0	1321.4	1680.2	3124.9	5372.0
-27.5°	274.8	417.3	550.2	689.5	856.9	1011.3	1060.1	1168.5	1436.5	2015.8	3629.0
-30°	265.2	376.0	505.3	628.6	782.3	920.0	991.4	1060.0	1231.1	1544.4	2437.9
-32.5°	244.2	334.0	456.9	576.1	708.8	842.2	949.7	1015.5	1123.2	1286.8	1583.2
-35°	218.3	303.0	407.7	519.3	636.2	770.1	891.4	987.7	1039.9	1152.6	1351.0
-37.5°	194.7	269.5	358.3	462.0	570.9	695.0	828.3	933.5	1010.1	1064.0	1206.2
-40°	169.6	233.4	316.2	408.2	506.3	619.7	742.4	864.5	961.6	1042.3	1105.5
-42.5°	144.2	204.3	274.2	355.4	448.2	547.6	652.9	772.7	893.2	998.2	1077.9
-45°	124.4	174.1	231.7	309.4	391.2	478.0	573.5	672.7	801.9	920.9	1020.1
-47.5°	103.8	145.1	198.0	262.4	337.5	414.8	495.3	594.5	702.0	819.4	932.6
-50°	84.9	121.9	164.2	222.4	286.6	354.9	426.5	517.2	616.2	716.3	819.9
-52.5°	72.5	98.0	137.2	182.8	239.5	300.5	366.5	443.9	531.7	623.2	715.0
-55°	59.5	81.6	110.6	149.1	193.5	248.2	310.3	377.6	446.5	529.8	612.3
-57.5°	48.0	66.8	89.7	118.3	155.1	196.0	253.6	313.5	376.7	441.2	509.8
-60°	37.3	52.9	72.3	94.4	119.8	155.9	197.0	248.7	305.0	361.6	419.4
-62.5°	27.3	39.9	55.7	74.2	95.1	117.9	151.0	190.0	232.0	279.2	327.7
-65°	22.9	28.5	39.8	55.1	72.0	91.7	113.4	136.5	170.7	204.4	237.9
-67.5°	18.2	23.0	28.4	36.0	50.3	66.0	82.5	102.1	122.7	141.5	163.5
-70°	16.7	17.9	21.8	26.7	32.4	40.9	54.8	69.5	84.1	98.4	114.3
-72.5°	15.7	16.6	17.7	19.1	23.3	28.4	34.1	40.4	49.9	61.1	72.3
-75°	14.6	15.1	15.9	16.9	18.1	19.5	21.5	26.1	31.0	35.9	40.6
-77.5°	13.6	14.1	14.5	14.9	15.3	16.2	17.3	18.5	20.1	22.0	24.2
-80°	12.6	13.0	13.3	13.6	13.7	13.8	14.1	14.4	14.9	15.7	16.8
-82.5°	11.6	11.9	12.1	12.4	12.1	11.8	11.5	11.4	11.7	12.1	12.5
-85°	10.6	10.8	11.0	11.1	10.8	10.4	10.0	9.6	9.7	9.8	9.9
-87.5°	9.7	9.7	9.8	9.9	9.4	9.0	8.5	8.1	8.1	8.2	8.2
-90°	8.2	7.6	7.1	6.5	6.5	6.5	6.5	6.5	6.0	5.4	4.9



REPORT NUMBER: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.5	6.5	6.5	6.5	6.5	7.1	7.6	8.1	8.7	9.8	10.8
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.8	3.3
85°	5.7	5.4	5.1	4.7	4.3	4.3	4.3	4.3	4.3	3.8	3.3
82.5°	6.5	6.0	5.4	4.9	4.3	4.3	4.3	4.3	4.3	3.8	3.3
80°	6.5	6.2	6.0	5.8	5.7	5.5	5.2	4.8	4.3	3.8	3.3
77.5°	6.6	6.5	6.5	6.5	6.5	6.1	5.5	4.9	4.4	3.8	3.3
75°	6.7	6.6	6.7	6.7	6.6	6.3	6.1	6.1	6.1	5.7	5.3
72.5°	8.5	8.2	8.0	7.9	7.5	7.3	7.2	7.0	6.6	6.4	6.4
70°	11.6	11.4	11.1	10.8	10.4	9.9	9.6	9.1	8.4	8.3	8.4
67.5°	17.0	17.4	17.2	16.4	14.8	13.3	12.4	11.6	10.6	10.6	11.3
65°	25.0	21.9	19.8	18.1	16.7	15.4	14.6	13.7	12.8	13.1	15.0
62.5°	29.7	23.3	19.9	18.6	17.8	17.1	15.9	15.1	14.6	15.1	16.6
60°	34.5	25.0	18.6	17.5	16.4	15.3	15.2	15.2	15.2	15.4	16.1
57.5°	37.0	25.6	17.2	16.6	16.0	15.4	15.4	15.6	15.5	15.3	15.9
55°	36.2	25.8	17.7	16.9	16.8	17.0	17.0	16.1	15.6	15.2	15.8
52.5°	33.0	24.8	19.0	17.4	17.4	16.6	15.3	16.0	16.9	17.7	18.5
50°	29.4	23.4	20.4	19.0	19.0	19.1	19.1	20.2	21.3	22.0	22.9
47.5°	27.0	23.5	23.3	22.8	23.5	24.7	25.2	26.4	29.7	31.4	32.2
45°	27.2	28.8	30.0	31.1	31.0	37.1	41.5	44.0	46.8	49.5	51.7
42.5°	36.7	40.9	44.7	50.3	53.7	63.9	69.3	62.6	76.5	88.5	91.3
40°	56.3	62.3	75.7	90.5	108.3	116.0	152.1	153.8	169.5	208.6	221.3
37.5°	85.5	102.9	149.3	188.5	250.8	287.9	333.7	377.8	413.2	449.5	474.3
35°	133.3	222.0	291.8	414.2	498.0	540.2	594.7	659.9	687.5	801.8	889.1
32.5°	284.9	444.0	633.7	731.5	841.3	925.3	913.6	1184.3	1288.7	1460.5	1600.2
30°	526.5	906.7	1415.9	1416.0	1396.3	1859.3	2028.8	2378.5	2737.1	2975.9	3547.0
27.5°	1217.1	2024.0	2830.6	2846.9	3196.3	4163.2	4713.8	4879.3	6435.0	7434.1	8796.8
25°	2242.8	3570.8	4683.5	5201.3	6239.1	7814.4	8747.0	9858.9	12180.9	14826.5	16496.8
22.5°	3340.3	4755.6	6427.6	7606.6	9595.8	11622.2	13318.2	15771.9	18892.5	21844.7	23842.2
20°	4166.5	5829.1	8190.6	10667.4	13187.3	15727.7	18362.1	21733.6	25958.0	29553.0	32802.2
17.5°	5850.9	7608.9	10805.0	14173.8	17593.8	20307.9	24468.2	28511.8	33658.4	38875.1	42915.6
15°	8343.5	11177.2	14374.9	18744.7	23555.0	27708.2	32119.3	39215.5	45476.6	52181.4	58171.9
12.5°	11542.1	15297.7	19535.2	24560.6	30865.3	37383.1	44110.6	51600.7	59789.9	67843.6	76392.7
10°	14528.6	19690.2	25161.2	31344.7	38559.6	46790.5	55010.4	63497.2	74876.8	85190.7	94332.6
7.5°	16590.6	22669.6	29384.5	36942.6	45847.9	54602.3	63887.5	75426.7	88721.1	100416.3	109785.1
5°	18442.2	25330.8	32035.6	39676.2	50029.8	60036.1	71007.1	85052.1	100185.8	113011.0	122348.0
2.5°	20054.3	27467.2	33978.6	41675.8	53043.5	63454.4	75434.5	92172.9	109803.1	122649.6	132501.3
0°	21380.6	28615.1	35077.8	43006.1	55025.3	65748.1	78038.4	96652.6	116947.0	129924.5	139394.2
-2.5°	20096.6	26659.5	33038.8	41069.1	53181.3	64162.9	77446.6	96380.4	116297.1	130294.1	140071.9
-5°	19126.8	25120.0	31175.9	39122.0	49775.2	59958.0	72422.9	91895.1	112858.0	127000.8	136894.5
-7.5°	18375.2	23605.7	29111.7	36428.4	46173.8	56972.1	70337.0	89124.5	108933.1	123236.9	132201.4
-10°	17555.9	22049.2	28049.9	35424.6	44901.4	55195.9	67068.9	84448.2	104462.7	118225.1	128724.8
-12.5°	17306.3	22050.8	28095.1	34498.3	43215.3	53101.3	64421.1	79224.6	94565.4	108996.8	118204.6
-15°	16903.8	21718.5	27633.8	33656.3	41559.1	51080.3	60529.9	71469.8	84292.1	94719.7	104338.5
-17.5°	16114.7	20741.3	25186.8	30814.3	38505.9	47332.6	54492.7	63096.3	72347.3	80298.8	87554.2
-20°	14225.5	17372.0	21585.3	26892.1	33483.6	40630.9	47150.1	53357.4	59302.6	65360.3	69556.7



REPORT NUMBER: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10885.2	13906.7	17439.3	21847.4	27072.7	33301.6	39062.7	43266.8	47995.8	52357.8	55944.0
-25°	7960.2	10174.0	13471.2	17232.6	20642.6	25631.6	30052.8	32892.1	37043.1	40303.9	43408.2
-27.5°	5756.5	7924.5	10613.3	13585.4	16142.1	18822.3	22725.2	25436.5	28701.3	31201.7	33790.9
-30°	3929.1	6316.6	8794.5	11225.7	13170.7	15195.5	17358.4	20032.8	22653.7	24754.4	26625.0
-32.5°	2725.2	4455.2	6876.8	9141.9	10899.9	12443.7	13864.9	15896.6	17857.9	19567.7	20969.7
-35°	1669.5	2896.5	4573.7	6730.7	8589.0	10072.6	11383.3	12677.4	13932.1	15218.6	16302.4
-37.5°	1412.5	1705.4	2750.5	4235.7	6006.0	7657.1	8941.0	10009.5	10956.6	11935.7	12706.4
-40°	1248.3	1423.4	1685.8	2229.1	3590.7	4963.4	6347.6	7497.6	8539.2	9407.4	10082.2
-42.5°	1140.0	1257.2	1384.8	1597.9	1850.3	2523.2	3713.7	4874.3	6004.2	6951.6	7745.8
-45°	1106.4	1165.2	1234.2	1348.2	1452.7	1657.5	1878.5	2107.4	3005.7	3958.8	4798.6
-47.5°	1029.9	1124.1	1186.7	1235.7	1293.9	1386.5	1471.4	1579.6	1785.9	1990.6	2157.7
-50°	928.4	1031.4	1117.9	1201.9	1261.2	1301.6	1332.6	1388.6	1470.8	1550.8	1615.3
-52.5°	805.5	905.4	1006.1	1108.1	1192.3	1270.3	1343.5	1394.1	1432.5	1465.2	1482.0
-55°	693.7	777.3	861.4	964.1	1065.8	1163.5	1257.4	1337.4	1412.0	1481.6	1521.1
-57.5°	584.6	656.6	731.6	823.3	913.7	1002.5	1093.5	1185.8	1276.0	1360.3	1409.1
-60°	480.5	544.3	612.3	686.3	764.9	846.8	925.2	1003.4	1081.0	1149.7	1190.1
-62.5°	378.6	432.4	487.6	546.2	607.9	672.6	737.6	803.4	869.0	924.1	958.2
-65°	275.0	318.8	361.1	403.9	447.2	496.2	547.7	597.9	646.2	684.1	709.0
-67.5°	192.3	220.7	246.5	271.7	302.4	337.3	374.3	410.3	445.0	471.1	488.7
-70°	130.6	146.3	160.6	177.0	197.1	217.9	239.6	260.5	280.4	295.6	307.3
-72.5°	83.4	93.8	103.9	115.2	126.1	138.0	150.5	162.4	173.5	181.3	187.5
-75°	45.0	50.6	58.9	66.7	73.9	82.5	91.4	99.8	107.6	111.7	114.4
-77.5°	27.6	31.3	34.9	38.3	41.5	46.2	51.4	56.6	61.8	64.2	66.0
-80°	18.1	19.8	21.6	23.5	25.3	28.1	31.0	33.9	36.7	37.6	38.2
-82.5°	12.8	13.4	14.0	14.7	15.4	17.2	19.1	21.0	22.8	24.2	25.5
-85°	10.0	10.1	10.2	10.3	10.4	11.4	12.5	13.6	14.7	15.4	16.0
-87.5°	8.3	8.4	8.4	8.5	8.5	8.6	8.6	8.7	8.7	9.2	9.8
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.8	3.3



REPORT NUMBER: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	11.9	13.0	11.9	10.8	11.9	13.0	11.9	10.8	9.8	8.7	8.1
87.5°	2.7	2.2	1.1	0.0	1.1	2.2	2.7	3.3	3.8	4.3	4.3
85°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.3	3.8	4.3	4.3
82.5°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.3	3.8	4.3	4.3
80°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.3	3.8	4.3	4.8
77.5°	2.8	2.2	3.2	4.3	3.2	2.2	2.8	3.3	3.8	4.4	4.9
75°	4.8	4.3	4.3	4.3	4.3	4.3	4.8	5.3	5.7	6.1	6.1
72.5°	6.4	6.4	6.5	6.5	6.5	6.4	6.4	6.4	6.4	6.6	7.0
70°	8.5	8.6	8.7	8.7	8.7	8.6	8.5	8.4	8.3	8.4	9.1
67.5°	12.0	12.8	13.0	13.0	13.0	12.8	12.0	11.3	10.6	10.6	11.6
65°	16.9	18.9	18.5	17.3	18.5	18.9	16.9	15.0	13.1	12.8	13.7
62.5°	17.9	19.2	19.5	19.5	19.5	19.2	17.9	16.6	15.1	14.6	15.1
60°	16.7	17.2	17.3	17.3	17.3	17.2	16.7	16.1	15.4	15.2	15.2
57.5°	16.5	17.1	17.3	17.3	17.3	17.1	16.5	15.9	15.3	15.5	15.6
55°	16.4	17.1	17.3	17.3	17.3	17.1	16.4	15.8	15.2	15.6	16.1
52.5°	19.0	19.3	19.5	19.5	19.5	19.3	19.0	18.5	17.7	16.9	16.0
50°	24.1	25.2	24.4	21.7	24.4	25.2	24.1	22.9	22.0	21.3	20.2
47.5°	32.1	31.1	30.3	30.4	30.3	31.1	32.1	32.2	31.4	29.7	26.4
45°	52.4	51.9	51.5	52.0	51.5	51.9	52.4	51.7	49.5	46.8	44.0
42.5°	94.5	94.7	93.3	91.1	93.3	94.7	94.5	91.3	88.5	76.5	62.6
40°	220.7	202.2	177.3	162.6	177.3	202.2	220.7	221.3	208.6	169.5	153.8
37.5°	497.0	511.5	512.8	503.0	512.8	511.5	497.0	474.3	449.5	413.2	377.8
35°	944.3	978.1	980.0	962.6	980.0	978.1	944.3	889.1	801.8	687.5	659.9
32.5°	1598.0	1674.0	1702.6	1695.4	1702.6	1674.0	1598.0	1600.2	1460.5	1288.7	1184.3
30°	3281.4	3304.2	3070.5	2642.8	3070.5	3304.2	3281.4	3547.0	2975.9	2737.1	2378.5
27.5°	9536.1	10416.2	10735.5	10594.9	10735.5	10416.2	9536.1	8796.8	7434.1	6435.0	4879.3
25°	16976.5	17556.4	18135.2	18202.3	18135.2	17556.4	16976.5	16496.8	14826.5	12180.9	9858.9
22.5°	25225.6	26049.8	26831.9	26653.1	26831.9	26049.8	25225.6	23842.2	21844.7	18892.5	15771.9
20°	34865.9	35434.2	36011.5	35372.7	36011.5	35434.2	34865.9	32802.2	29553.0	25958.0	21733.6
17.5°	47148.0	49824.1	52199.7	51125.2	52199.7	49824.1	47148.0	42915.6	38875.1	33658.4	28511.8
15°	63812.4	68470.2	71202.0	71057.5	71202.0	68470.2	63812.4	58171.9	52181.4	45476.6	39215.5
12.5°	83015.8	87883.3	90671.2	90094.5	90671.2	87883.3	83015.8	76392.7	67843.6	59789.9	51600.7
10°	100341.5	104163.7	107476.2	108773.7	107476.2	104163.7	100341.5	94332.6	85190.7	74876.8	63497.2
7.5°	115644.4	118492.3	121255.2	121749.1	121255.2	118492.3	115644.4	109785.1	100416.3	88721.1	75426.7
5°	128241.8	132276.5	133838.4	134457.7	133838.4	132276.5	128241.8	122348.0	113011.0	100185.8	85052.1
2.5°	138408.7	142099.5	144053.2	143476.5	144053.2	142099.5	138408.7	132501.3	122649.6	109803.1	92172.9
0°	144249.4	147170.7	148766.3	148384.8	148766.3	147170.7	144249.4	139394.2	129924.5	116947.0	96652.6
-2.5°	144825.0	146789.5	148037.5	147547.9	148037.5	146789.5	144825.0	140071.9	130294.1	116297.1	96380.4
-5°	140842.1	142440.7	143096.4	143376.8	143096.4	142440.7	140842.1	136894.5	127000.8	112858.0	91895.1
-7.5°	135354.2	137501.6	137175.0	137740.0	137175.0	137501.6	135354.2	132201.4	123236.9	108933.1	89124.5
-10°	132085.7	134067.6	133780.6	133933.1	133780.6	134067.6	132085.7	128724.8	118225.1	104462.7	84448.2
-12.5°	124155.1	127032.5	127474.2	127970.0	127474.2	127032.5	124155.1	118204.6	108996.8	94565.4	79224.6
-15°	110651.9	113813.6	115725.4	116155.7	115725.4	113813.6	110651.9	104338.5	94719.7	84292.1	71469.8
-17.5°	93586.2	97958.7	101032.7	101747.3	101032.7	97958.7	93586.2	87554.2	80298.8	72347.3	63096.3
-20°	74681.5	77811.5	79404.2	80262.7	79404.2	77811.5	74681.5	69556.7	65360.3	59302.6	53357.4



REPORT NUMBER: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	58781.0	60848.1	61735.5	61880.5	61735.5	60848.1	58781.0	55944.0	52357.8	47995.8	43266.8
-25°	45922.1	47331.0	47934.9	48827.1	47934.9	47331.0	45922.1	43408.2	40303.9	37043.1	32892.1
-27.5°	35637.1	36876.0	37428.4	38249.6	37428.4	36876.0	35637.1	33790.9	31201.7	28701.3	25436.5
-30°	27886.7	28633.0	28819.3	28860.1	28819.3	28633.0	27886.7	26625.0	24754.4	22653.7	20032.8
-32.5°	22058.4	22899.0	23400.8	23624.4	23400.8	22899.0	22058.4	20969.7	19567.7	17857.9	15896.6
-35°	17114.2	17668.2	17998.0	18369.2	17998.0	17668.2	17114.2	16302.4	15218.6	13932.1	12677.4
-37.5°	13305.8	13716.6	13943.8	14020.3	13943.8	13716.6	13305.8	12706.4	11935.7	10956.6	10009.5
-40°	10620.6	11028.5	11273.4	11310.3	11273.4	11028.5	10620.6	10082.2	9407.4	8539.2	7497.6
-42.5°	8349.2	8857.4	9186.2	9261.6	9186.2	8857.4	8349.2	7745.8	6951.6	6004.2	4874.3
-45°	5412.8	5885.9	6136.2	6120.2	6136.2	5885.9	5412.8	4798.6	3958.8	3005.7	2107.4
-47.5°	2264.6	2340.9	2373.6	2363.1	2373.6	2340.9	2264.6	2157.7	1990.6	1785.9	1579.6
-50°	1666.3	1709.5	1733.2	1738.7	1733.2	1709.5	1666.3	1615.3	1550.8	1470.8	1388.6
-52.5°	1496.3	1512.2	1517.7	1517.6	1517.7	1512.2	1496.3	1482.0	1465.2	1432.5	1394.1
-55°	1557.8	1592.6	1606.4	1606.5	1606.4	1592.6	1557.8	1521.1	1481.6	1412.0	1337.4
-57.5°	1453.5	1492.7	1510.8	1515.4	1510.8	1492.7	1453.5	1409.1	1360.3	1276.0	1185.8
-60°	1226.3	1257.9	1271.6	1274.8	1271.6	1257.9	1226.3	1190.1	1149.7	1081.0	1003.4
-62.5°	987.4	1011.3	1018.6	1016.8	1018.6	1011.3	987.4	958.2	924.1	869.0	803.4
-65°	729.7	746.1	747.4	741.4	747.4	746.1	729.7	709.0	684.1	646.2	597.9
-67.5°	502.7	513.1	513.6	509.5	513.6	513.1	502.7	488.7	471.1	445.0	410.3
-70°	317.1	325.0	325.5	323.0	325.5	325.0	317.1	307.3	295.6	280.4	260.5
-72.5°	192.8	197.1	201.0	203.8	201.0	197.1	192.8	187.5	181.3	173.5	162.4
-75°	116.6	118.0	117.9	117.1	117.9	118.0	116.6	114.4	111.7	107.6	99.8
-77.5°	67.5	68.8	71.3	73.7	71.3	68.8	67.5	66.0	64.2	61.8	56.6
-80°	38.6	38.8	40.0	41.2	40.0	38.8	38.6	38.2	37.6	36.7	33.9
-82.5°	26.8	28.1	28.2	28.2	28.2	28.1	26.8	25.5	24.2	22.8	21.0
-85°	16.7	17.2	18.4	19.5	18.4	17.2	16.7	16.0	15.4	14.7	13.6
-87.5°	10.3	10.8	10.8	10.8	10.8	10.8	10.3	9.8	9.2	8.7	8.7
-90°	2.7	2.2	1.1	0.0	1.1	2.2	2.7	3.3	3.8	4.3	4.3



REPORT NUMBER: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.6	7.1	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.9	5.4	6.0	6.5
85°	4.3	4.3	4.3	4.7	5.1	5.4	5.7	5.8	6.0	6.2	6.5
82.5°	4.3	4.3	4.3	4.9	5.4	6.0	6.5	6.5	6.5	6.5	6.6
80°	5.2	5.5	5.7	5.8	6.0	6.2	6.5	6.6	6.6	6.5	6.6
77.5°	5.5	6.1	6.5	6.5	6.5	6.5	6.6	7.2	7.5	7.7	7.7
75°	6.1	6.3	6.6	6.7	6.7	6.6	6.7	7.3	7.8	8.4	8.7
72.5°	7.2	7.3	7.5	7.9	8.0	8.2	8.5	8.9	9.1	8.9	8.7
70°	9.6	9.9	10.4	10.8	11.1	11.4	11.6	11.8	11.9	12.0	11.0
67.5°	12.4	13.3	14.8	16.4	17.2	17.4	17.0	15.8	15.3	15.3	13.7
65°	14.6	15.4	16.7	18.1	19.8	21.9	25.0	25.4	24.0	21.1	16.5
62.5°	15.9	17.1	17.8	18.6	19.9	23.3	29.7	33.3	34.4	30.5	23.3
60°	15.2	15.3	16.4	17.5	18.6	25.0	34.5	41.4	45.4	38.6	29.0
57.5°	15.4	15.4	16.0	16.6	17.2	25.6	37.0	49.1	56.5	44.5	33.4
55°	17.0	17.0	16.8	16.9	17.7	25.8	36.2	48.3	55.4	48.2	35.6
52.5°	15.3	16.6	17.4	17.4	19.0	24.8	33.0	44.2	47.7	42.1	34.6
50°	19.1	19.1	19.0	19.0	20.4	23.4	29.4	38.3	38.5	35.9	30.0
47.5°	25.2	24.7	23.5	22.8	23.3	23.5	27.0	31.2	33.5	30.6	26.2
45°	41.5	37.1	31.0	31.1	30.0	28.8	27.2	31.8	33.2	31.3	24.3
42.5°	69.3	63.9	53.7	50.3	44.7	40.9	36.7	39.0	39.8	36.5	33.0
40°	152.1	116.0	108.3	90.5	75.7	62.3	56.3	50.8	50.7	47.7	46.2
37.5°	333.7	287.9	250.8	188.5	149.3	102.9	85.5	72.1	63.6	68.7	65.9
35°	594.7	540.2	498.0	414.2	291.8	222.0	133.3	103.9	96.0	100.8	92.4
32.5°	913.6	925.3	841.3	731.5	633.7	444.0	284.9	156.1	171.4	162.6	133.5
30°	2028.8	1859.3	1396.3	1416.0	1415.9	906.7	526.5	411.4	306.5	253.2	192.3
27.5°	4713.8	4163.2	3196.3	2846.9	2830.6	2024.0	1217.1	839.7	537.6	397.1	293.0
25°	8747.0	7814.4	6239.1	5201.3	4683.5	3570.8	2242.8	1587.6	1023.1	574.8	400.1
22.5°	13318.2	11622.2	9595.8	7606.6	6427.6	4755.6	3340.3	2504.5	1568.0	822.8	529.6
20°	18362.1	15727.7	13187.3	10667.4	8190.6	5829.1	4166.5	3416.1	2291.0	1162.2	653.8
17.5°	24468.2	20307.9	17593.8	14173.8	10805.0	7608.9	5850.9	4599.6	3197.0	1447.0	767.0
15°	32119.3	27708.2	23555.0	18744.7	14374.9	11177.2	8343.5	6166.4	4269.8	1991.2	1021.7
12.5°	44110.6	37383.1	30865.3	24560.6	19535.2	15297.7	11542.1	8353.9	5523.0	2962.0	1437.0
10°	55010.4	46790.5	38559.6	31344.7	25161.2	19690.2	14528.6	10085.9	6613.7	3943.0	1891.2
7.5°	63887.5	54602.3	45847.9	36942.6	29384.5	22669.6	16590.6	11533.3	7536.7	4828.5	2364.0
5°	71007.1	60036.1	50029.8	39676.2	32035.6	25330.8	18442.2	12836.9	8297.0	5604.9	2832.2
2.5°	75434.5	63454.4	53043.5	41675.8	33978.6	27467.2	20054.3	13961.9	8940.3	6214.0	3240.4
0°	78038.4	65748.1	55025.3	43006.1	35077.8	28615.1	21380.6	14848.5	9461.0	6677.4	3596.7
-2.5°	77446.6	64162.9	53181.3	41069.1	33038.8	26659.5	20096.6	14515.9	9953.1	6778.2	3465.1
-5°	72422.9	59958.0	49775.2	39122.0	31175.9	25120.0	19126.8	14247.8	10216.7	6722.6	3264.1
-7.5°	70337.0	56972.1	46173.8	36428.4	29111.7	23605.7	18375.2	14079.7	10216.7	6629.9	3308.5
-10°	67068.9	55195.9	44901.4	35424.6	28049.9	22049.2	17555.9	13737.8	10005.1	6347.4	3230.2
-12.5°	64421.1	53101.3	43215.3	34498.3	28095.1	22050.8	17306.3	13311.1	9573.8	5871.1	3009.1
-15°	60529.9	51080.3	41559.1	33656.3	27633.8	21718.5	16903.8	12796.4	8644.9	5090.5	2630.1
-17.5°	54492.7	47332.6	38505.9	30814.3	25186.8	20741.3	16114.7	11615.5	7347.1	4080.1	2030.4
-20°	47150.1	40630.9	33483.6	26892.1	21585.3	17372.0	14225.5	9758.8	5892.2	3219.1	1801.2



REPORT NUMBER: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	39062.7	33301.6	27072.7	21847.4	17439.3	13906.7	10885.2	7358.2	4256.8	2275.9	1559.3
-25°	30052.8	25631.6	20642.6	17232.6	13471.2	10174.0	7960.2	5372.0	3124.9	1680.2	1321.4
-27.5°	22725.2	18822.3	16142.1	13585.4	10613.3	7924.5	5756.5	3629.0	2015.8	1436.5	1168.5
-30°	17358.4	15195.5	13170.7	11225.7	8794.5	6316.6	3929.1	2437.9	1544.4	1231.1	1060.0
-32.5°	13864.9	12443.7	10899.9	9141.9	6876.8	4455.2	2725.2	1583.2	1286.8	1123.2	1015.5
-35°	11383.3	10072.6	8589.0	6730.7	4573.7	2896.5	1669.5	1351.0	1152.6	1039.9	987.7
-37.5°	8941.0	7657.1	6006.0	4235.7	2750.5	1705.4	1412.5	1206.2	1064.0	1010.1	933.5
-40°	6347.6	4963.4	3590.7	2229.1	1685.8	1423.4	1248.3	1105.5	1042.3	961.6	864.5
-42.5°	3713.7	2523.2	1850.3	1597.9	1384.8	1257.2	1140.0	1077.9	998.2	893.2	772.7
-45°	1878.5	1657.5	1452.7	1348.2	1234.2	1165.2	1106.4	1020.1	920.9	801.9	672.7
-47.5°	1471.4	1386.5	1293.9	1235.7	1186.7	1124.1	1029.9	932.6	819.4	702.0	594.5
-50°	1332.6	1301.6	1261.2	1201.9	1117.9	1031.4	928.4	819.9	716.3	616.2	517.2
-52.5°	1343.5	1270.3	1192.3	1108.1	1006.1	905.4	805.5	715.0	623.2	531.7	443.9
-55°	1257.4	1163.5	1065.8	964.1	861.4	777.3	693.7	612.3	529.8	446.5	377.6
-57.5°	1093.5	1002.5	913.7	823.3	731.6	656.6	584.6	509.8	441.2	376.7	313.5
-60°	925.2	846.8	764.9	686.3	612.3	544.3	480.5	419.4	361.6	305.0	248.7
-62.5°	737.6	672.6	607.9	546.2	487.6	432.4	378.6	327.7	279.2	232.0	190.0
-65°	547.7	496.2	447.2	403.9	361.1	318.8	275.0	237.9	204.4	170.7	136.5
-67.5°	374.3	337.3	302.4	271.7	246.5	220.7	192.3	163.5	141.5	122.7	102.1
-70°	239.6	217.9	197.1	177.0	160.6	146.3	130.6	114.3	98.4	84.1	69.5
-72.5°	150.5	138.0	126.1	115.2	103.9	93.8	83.4	72.3	61.1	49.9	40.4
-75°	91.4	82.5	73.9	66.7	58.9	50.6	45.0	40.6	35.9	31.0	26.1
-77.5°	51.4	46.2	41.5	38.3	34.9	31.3	27.6	24.2	22.0	20.1	18.5
-80°	31.0	28.1	25.3	23.5	21.6	19.8	18.1	16.8	15.7	14.9	14.4
-82.5°	19.1	17.2	15.4	14.7	14.0	13.4	12.8	12.5	12.1	11.7	11.4
-85°	12.5	11.4	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.6
-87.5°	8.6	8.6	8.5	8.5	8.4	8.4	8.3	8.2	8.2	8.1	8.1
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.9	5.4	6.0	6.5



REPORT NUMBER: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	7.1	7.6	8.2	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
87.5°	6.9	7.2	7.5	7.8	7.9	8.2	8.4	8.7	8.7	8.7	8.7
85°	7.1	7.6	8.2	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
82.5°	7.1	7.7	8.2	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
80°	7.1	7.7	8.2	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
77.5°	7.7	7.9	8.3	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
75°	8.7	8.6	8.6	8.8	8.8	8.7	8.7	8.8	8.9	8.7	8.7
72.5°	8.7	8.7	8.7	9.0	9.3	9.3	9.0	8.9	9.2	9.1	8.8
70°	9.9	8.9	8.7	9.0	9.6	10.0	9.9	9.6	9.5	9.6	9.3
67.5°	11.9	10.6	9.5	9.3	9.6	10.2	10.7	10.3	10.0	10.1	9.9
65°	14.6	12.6	10.7	10.2	10.0	10.2	10.7	10.8	10.5	10.3	10.4
62.5°	18.1	15.1	13.0	11.3	10.6	10.5	10.8	10.8	10.8	10.6	10.7
60°	21.8	17.1	15.1	13.2	11.5	10.7	10.8	10.8	10.8	10.8	10.8
57.5°	24.3	17.9	16.1	14.6	12.9	11.4	10.8	10.8	10.8	10.8	10.8
55°	25.3	18.6	17.1	15.5	14.0	12.3	11.1	10.8	10.8	10.8	10.8
52.5°	24.7	19.7	18.0	16.4	14.8	13.2	12.0	10.8	10.8	10.8	10.8
50°	21.9	21.1	19.2	17.3	15.6	14.1	12.8	11.5	10.8	10.8	10.8
47.5°	22.2	22.3	20.7	18.3	16.3	15.0	13.6	12.2	10.8	10.8	10.8
45°	25.2	24.0	22.5	19.9	17.2	15.8	14.4	12.9	11.4	10.9	10.8
42.5°	30.5	28.5	25.0	21.7	19.1	16.6	15.1	13.6	12.0	11.0	10.9
40°	42.3	35.8	29.2	26.9	21.8	17.4	15.8	14.2	12.6	11.4	11.1
37.5°	56.7	47.5	37.7	37.6	26.8	20.1	16.5	14.8	13.4	12.0	11.3
35°	78.3	63.1	55.6	53.5	40.6	23.2	17.1	15.4	14.1	12.6	11.5
32.5°	103.2	92.3	85.5	72.0	58.5	26.5	19.1	16.5	15.0	13.2	11.8
30°	151.6	145.0	124.1	92.4	78.9	42.9	22.5	17.7	15.9	13.8	12.2
27.5°	226.4	210.0	172.4	126.7	98.0	63.0	26.8	19.1	16.8	14.4	12.7
25°	306.1	279.3	235.6	170.3	118.3	84.1	31.3	20.8	17.9	15.2	13.1
22.5°	401.5	344.8	306.9	218.9	143.9	105.6	42.4	24.5	19.1	15.9	13.6
20°	489.5	407.4	383.3	266.9	180.3	125.9	59.6	28.2	20.4	16.7	14.0
17.5°	574.8	490.7	442.1	323.6	220.3	148.8	76.5	32.0	21.7	17.4	14.4
15°	735.5	606.6	510.8	381.0	257.9	173.7	92.8	35.8	23.1	18.1	14.7
12.5°	919.9	729.6	590.3	438.2	293.2	199.9	108.4	39.4	24.4	18.8	14.8
10°	1110.7	857.1	677.4	494.1	325.9	226.5	122.9	44.3	26.4	19.5	15.0
7.5°	1303.4	986.0	768.6	547.4	362.5	267.1	156.6	52.3	28.6	20.1	15.1
5°	1480.0	1107.3	864.6	631.1	432.4	321.9	193.9	60.5	30.7	20.7	15.1
2.5°	1589.2	1212.9	956.6	714.3	500.5	374.9	230.5	68.4	32.8	21.3	15.2
0°	1682.3	1309.5	1040.6	791.3	565.8	424.9	264.5	75.9	34.7	21.7	15.2
-2.5°	1683.8	1312.3	1068.9	864.6	638.2	478.5	306.1	98.1	47.5	27.5	17.2
-5°	1670.3	1308.3	1094.0	931.2	705.4	527.3	342.1	119.0	59.8	33.1	19.2
-7.5°	1702.8	1321.8	1117.2	984.2	766.0	570.8	371.1	137.9	71.0	38.2	21.0
-10°	1725.1	1338.9	1132.2	981.3	766.4	583.2	387.8	154.3	81.0	42.6	22.7
-12.5°	1717.8	1342.3	1141.7	968.5	750.5	567.8	372.8	165.7	89.3	46.2	24.1
-15°	1677.8	1330.6	1145.1	944.9	728.1	549.4	355.1	173.6	96.4	49.7	25.3
-17.5°	1580.2	1302.6	1142.2	909.6	698.7	528.3	335.3	178.8	101.7	53.2	27.0
-20°	1431.9	1238.0	1126.6	862.0	662.2	504.9	314.3	181.2	104.9	55.5	29.0



REPORT NUMBER: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1293.4	1160.2	1035.5	815.1	624.1	479.6	292.7	180.7	105.8	56.3	30.3
-25°	1154.0	1087.5	942.1	753.2	591.0	447.7	280.4	177.0	104.4	55.7	31.1
-27.5°	1060.1	1011.3	856.9	689.5	550.2	417.3	274.8	175.0	101.7	53.6	31.1
-30°	991.4	920.0	782.3	628.6	505.3	376.0	265.2	169.8	99.2	52.4	30.5
-32.5°	949.7	842.2	708.8	576.1	456.9	334.0	244.2	161.3	94.4	51.6	30.0
-35°	891.4	770.1	636.2	519.3	407.7	303.0	218.3	149.3	87.3	49.8	29.2
-37.5°	828.3	695.0	570.9	462.0	358.3	269.5	194.7	131.7	77.9	46.9	27.8
-40°	742.4	619.7	506.3	408.2	316.2	233.4	169.6	115.3	71.7	42.9	25.8
-42.5°	652.9	547.6	448.2	355.4	274.2	204.3	144.2	98.1	64.4	39.3	23.3
-45°	573.5	478.0	391.2	309.4	231.7	174.1	124.4	81.4	56.2	35.7	21.0
-47.5°	495.3	414.8	337.5	262.4	198.0	145.1	103.8	71.6	47.5	31.3	19.7
-50°	426.5	354.9	286.6	222.4	164.2	121.9	84.9	61.1	41.2	25.8	18.2
-52.5°	366.5	300.5	239.5	182.8	137.2	98.0	72.5	50.4	34.4	22.6	16.6
-55°	310.3	248.2	193.5	149.1	110.6	81.6	59.5	42.0	27.2	20.2	14.9
-57.5°	253.6	196.0	155.1	118.3	89.7	66.8	48.0	33.1	23.2	17.8	14.5
-60°	197.0	155.9	119.8	94.4	72.3	52.9	37.3	25.6	20.2	15.6	14.1
-62.5°	151.0	117.9	95.1	74.2	55.7	39.9	27.3	21.9	17.0	15.0	13.6
-65°	113.4	91.7	72.0	55.1	39.8	28.5	22.9	18.1	15.8	14.4	13.0
-67.5°	82.5	66.0	50.3	36.0	28.4	23.0	18.2	16.4	15.1	13.8	12.5
-70°	54.8	40.9	32.4	26.7	21.8	17.9	16.7	15.6	14.4	13.2	11.9
-72.5°	34.1	28.4	23.3	19.1	17.7	16.6	15.7	14.8	13.7	12.5	11.3
-75°	21.5	19.5	18.1	16.9	15.9	15.1	14.6	14.0	12.9	11.8	11.1
-77.5°	17.3	16.2	15.3	14.9	14.5	14.1	13.6	13.1	12.2	11.5	11.0
-80°	14.1	13.8	13.7	13.6	13.3	13.0	12.6	12.3	11.6	11.2	10.9
-82.5°	11.5	11.8	12.1	12.4	12.1	11.9	11.6	11.4	11.0	10.8	10.6
-85°	10.0	10.4	10.8	11.1	11.0	10.8	10.6	10.5	10.3	10.1	10.0
-87.5°	8.5	9.0	9.4	9.9	9.8	9.7	9.7	9.6	9.5	9.4	9.3
-90°	6.5	6.5	6.5	6.5	7.1	7.6	8.2	8.7	8.7	8.7	8.7



REPORT NUMBER: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
87.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
82.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
80°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
77.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
75°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
72.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7
70°	8.8	8.7	8.7	8.7	8.7	8.7	8.7
67.5°	9.3	8.7	8.7	8.7	8.7	8.7	8.7
65°	9.8	8.9	8.7	8.7	8.7	8.7	8.7
62.5°	10.3	9.3	8.7	8.7	8.7	8.7	8.7
60°	10.7	9.7	8.7	8.7	8.7	8.7	8.7
57.5°	10.8	10.1	9.0	8.7	8.7	8.7	8.7
55°	10.8	10.5	9.3	8.7	8.7	8.7	8.7
52.5°	10.8	10.8	9.6	8.7	8.7	8.7	8.7
50°	10.8	10.8	9.9	8.7	8.7	8.7	8.7
47.5°	10.8	10.8	10.2	8.7	8.7	8.7	8.7
45°	10.8	10.8	10.4	8.9	8.7	8.7	8.7
42.5°	10.8	10.8	10.7	9.1	8.7	8.7	8.7
40°	10.8	10.8	10.8	9.3	8.7	8.7	8.7
37.5°	10.8	10.8	10.8	9.4	8.7	8.7	8.7
35°	10.8	10.8	10.8	9.5	8.7	8.7	8.7
32.5°	10.9	10.8	10.8	9.6	8.7	8.7	8.7
30°	11.1	10.8	10.8	9.6	8.7	8.7	8.7
27.5°	11.3	10.8	10.7	9.7	8.7	8.7	8.7
25°	11.6	10.8	10.7	9.7	8.7	8.7	8.7
22.5°	11.9	10.8	10.7	9.6	8.7	8.7	8.7
20°	12.2	10.8	10.6	9.6	8.7	8.7	8.7
17.5°	12.4	10.8	10.6	9.5	8.7	8.7	8.7
15°	12.5	10.8	10.7	9.4	8.7	8.7	8.7
12.5°	12.7	10.8	10.7	9.3	8.7	8.7	8.7
10°	12.8	10.8	10.7	9.2	8.7	8.7	8.7
7.5°	12.9	10.8	10.7	9.1	8.7	8.7	8.7
5°	12.9	10.8	10.8	9.0	8.7	8.7	8.7
2.5°	13.0	10.8	10.8	8.8	8.7	8.7	8.7
0°	13.0	10.8	10.8	8.7	8.7	8.7	8.7
-2.5°	13.9	11.3	10.8	8.8	8.7	8.7	8.7
-5°	14.7	11.8	10.8	9.0	8.7	8.7	8.7
-7.5°	15.4	12.2	10.7	9.1	8.7	8.7	8.7
-10°	16.2	12.6	10.7	9.2	8.7	8.7	8.7
-12.5°	16.8	12.9	10.7	9.3	8.7	8.7	8.7
-15°	17.3	13.2	10.7	9.4	8.7	8.7	8.7
-17.5°	17.8	13.4	10.6	9.5	8.7	8.7	8.7
-20°	18.4	13.4	10.6	9.6	8.7	8.7	8.7



REPORT NUMBER: P731611 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-5S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	19.0	13.4	10.7	9.6	8.7	8.7	8.7
-25°	19.4	13.3	10.7	9.7	8.7	8.7	8.7
-27.5°	19.4	13.2	10.7	9.7	8.7	8.7	8.7
-30°	19.1	13.0	10.8	9.6	8.7	8.7	8.7
-32.5°	18.4	12.7	10.9	9.6	8.7	8.7	8.7
-35°	17.8	12.2	11.0	9.5	8.7	8.7	8.7
-37.5°	17.3	12.0	11.1	9.4	8.7	8.7	8.7
-40°	16.6	12.0	11.1	9.3	8.7	8.7	8.7
-42.5°	15.8	12.1	11.1	9.2	8.7	8.7	8.7
-45°	14.8	12.1	10.9	9.0	8.7	8.7	8.7
-47.5°	13.7	12.1	10.7	8.9	8.7	8.7	8.7
-50°	13.5	12.0	10.5	8.9	8.7	8.7	8.7
-52.5°	13.3	11.9	10.2	8.9	8.7	8.7	8.7
-55°	13.1	11.6	10.0	8.9	8.7	8.7	8.7
-57.5°	12.8	11.3	9.7	9.0	8.7	8.7	8.7
-60°	12.5	11.0	9.5	9.0	8.7	8.7	8.7
-62.5°	12.1	10.6	9.5	9.0	8.7	8.7	8.7
-65°	11.6	10.3	9.6	9.1	8.7	8.7	8.7
-67.5°	11.2	10.1	9.6	9.1	8.7	8.7	8.7
-70°	10.7	10.1	9.6	9.1	8.7	8.7	8.7
-72.5°	10.7	10.2	9.7	9.1	8.7	8.7	8.7
-75°	10.7	10.2	9.7	9.1	8.7	8.7	8.7
-77.5°	10.7	10.2	9.6	9.0	8.7	8.7	8.7
-80°	10.8	10.0	9.4	9.0	8.7	8.7	8.7
-82.5°	10.3	9.7	9.2	8.9	8.7	8.7	8.7
-85°	9.8	9.4	9.1	8.8	8.7	8.7	8.7
-87.5°	9.2	9.0	8.9	8.8	8.7	8.7	8.7
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7

(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

