

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: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-80-5S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731635 (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-40-80-5S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

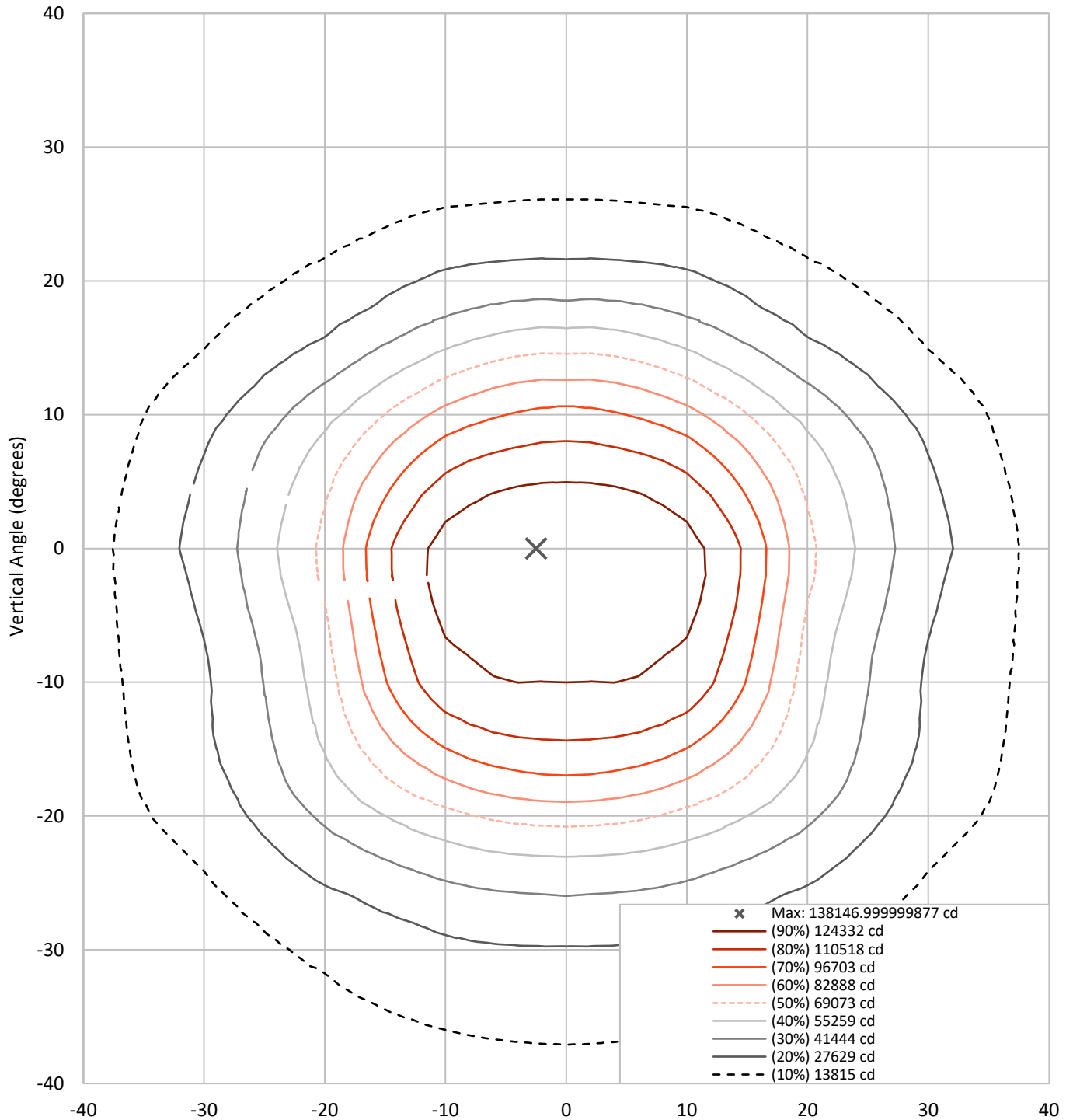
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	68179.4 lumens	Max Intensity:	138147 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	97.8 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:	37500 lumens	Field Lumens:	62460.1 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: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV2

Iso-Candela Plot





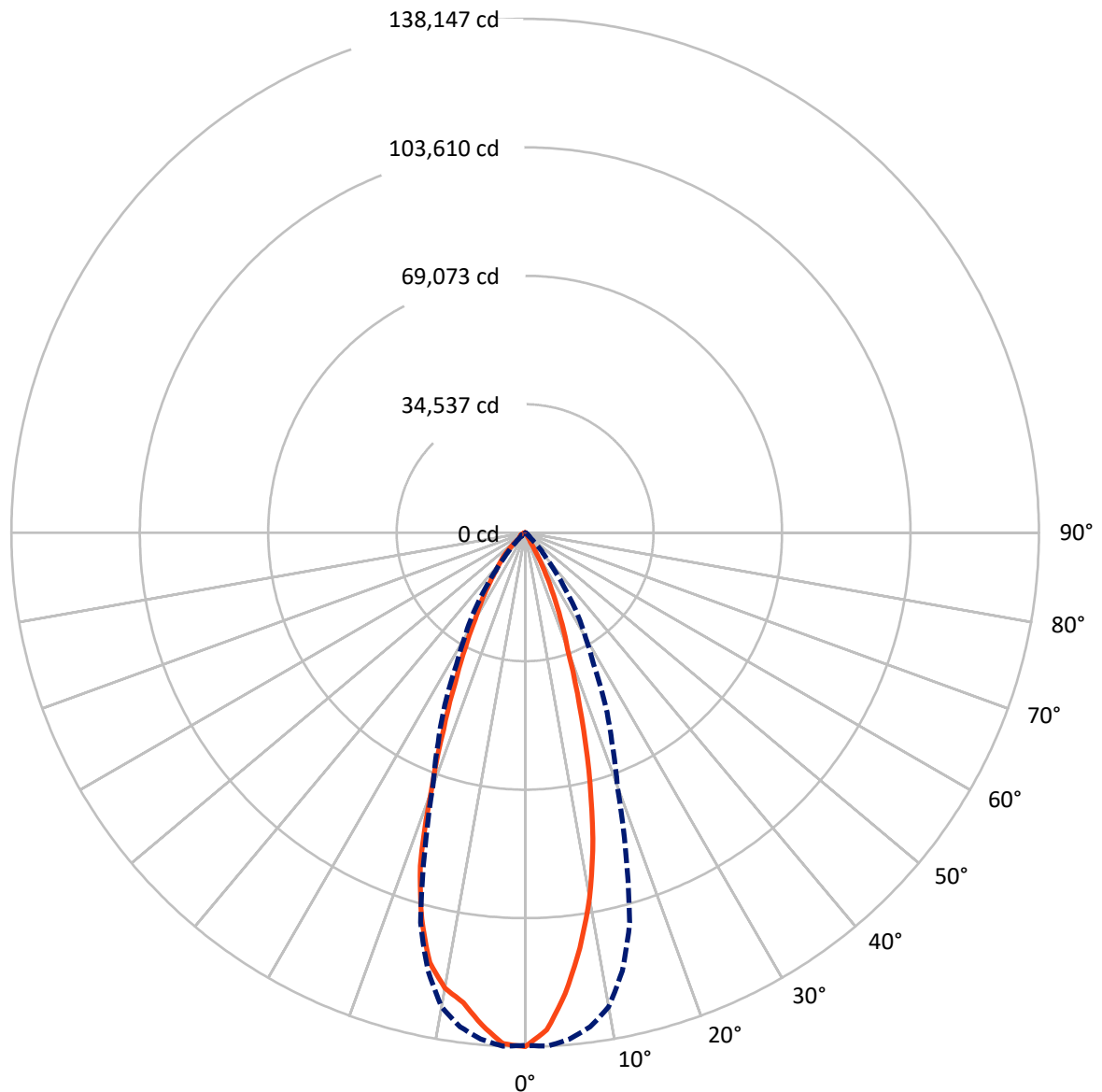
REPORT NUMBER: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV2

Lumen Table

90	0.2	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.2				
80	0.2	0.1	0.2	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.2	0.1	0.2
70	0.2	0.1	0.3	0.7	0.8	0.4	0.5	0.5	0.5	0.5	0.4	0.8	0.7	0.3	0.1	0.2
60	0.2	0.2	0.3	0.6	0.8	1.1	1.7	2.0	2.0	1.7	1.1	0.8	0.6	0.3	0.2	0.2
50	0.2	0.2	0.9	2.1	5.5	15.3	26.5	33.8	33.8	26.5	15.3	5.5	2.1	0.9	0.2	0.2
40	0.2	0.4	3.0	10.4	60.5	174.1	353.7	510.8	510.8	353.7	174.1	60.5	10.4	3.0	0.4	0.2
30	0.2	0.8	6.4	33.9	215.3	631.1	1293.3	1910.8	1910.8	1293.3	631.1	215.3	33.9	6.4	0.8	0.2
20	0.3	1.5	11.0	73.8	442.9	1265.2	2649.2	3615.6	3615.6	2649.2	1265.2	442.9	73.8	11.0	1.5	0.3
10	0.3	2.5	14.9	89.3	463.9	1295.6	2973.1	3962.6	3962.6	2973.1	1295.6	463.9	89.3	14.9	2.5	0.3
0	0.3	2.9	15.4	71.7	393.8	1066.7	2246.4	3093.5	3093.5	2246.4	1066.7	393.8	71.7	15.4	2.9	0.4
-10	0.4	2.6	12.6	33.7	197.5	570.8	1049.7	1378.3	1378.3	1049.7	570.8	197.5	33.7	12.6	2.6	0.4
-20	0.4	2.0	8.7	19.6	57.7	215.1	395.7	516.2	516.2	395.7	215.1	57.7	19.6	8.7	2.0	0.4
-30	0.4	1.2	5.2	13.8	25.5	47.7	107.6	162.3	162.3	107.6	47.7	25.5	13.8	5.2	1.2	0.4
-40	0.4	1.2	5.2	13.8	25.5	47.7	107.6	162.3	162.3	107.6	47.7	25.5	13.8	5.2	1.2	0.4
-50	0.2	0.6	2.6	7.7	16.2	26.7	36.7	42.5	42.5	36.7	26.7	16.2	7.7	2.6	0.6	0.2
-60	0.2	0.3	1.0	3.0	6.7	11.9	17.9	21.3	21.3	17.9	11.9	6.7	3.0	1.0	0.3	0.2
-70	0.2	0.3	1.0	3.0	6.7	11.9	17.9	21.3	21.3	17.9	11.9	6.7	3.0	1.0	0.3	0.2
-80	0.2	0.8	2.4	6.4	9.0	6.4	2.4	0.8	0.2							0.2
-90	0.2	0.8	2.4	6.4	9.0	6.4	2.4	0.8	0.2							0.2

REPORT NUMBER: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV2

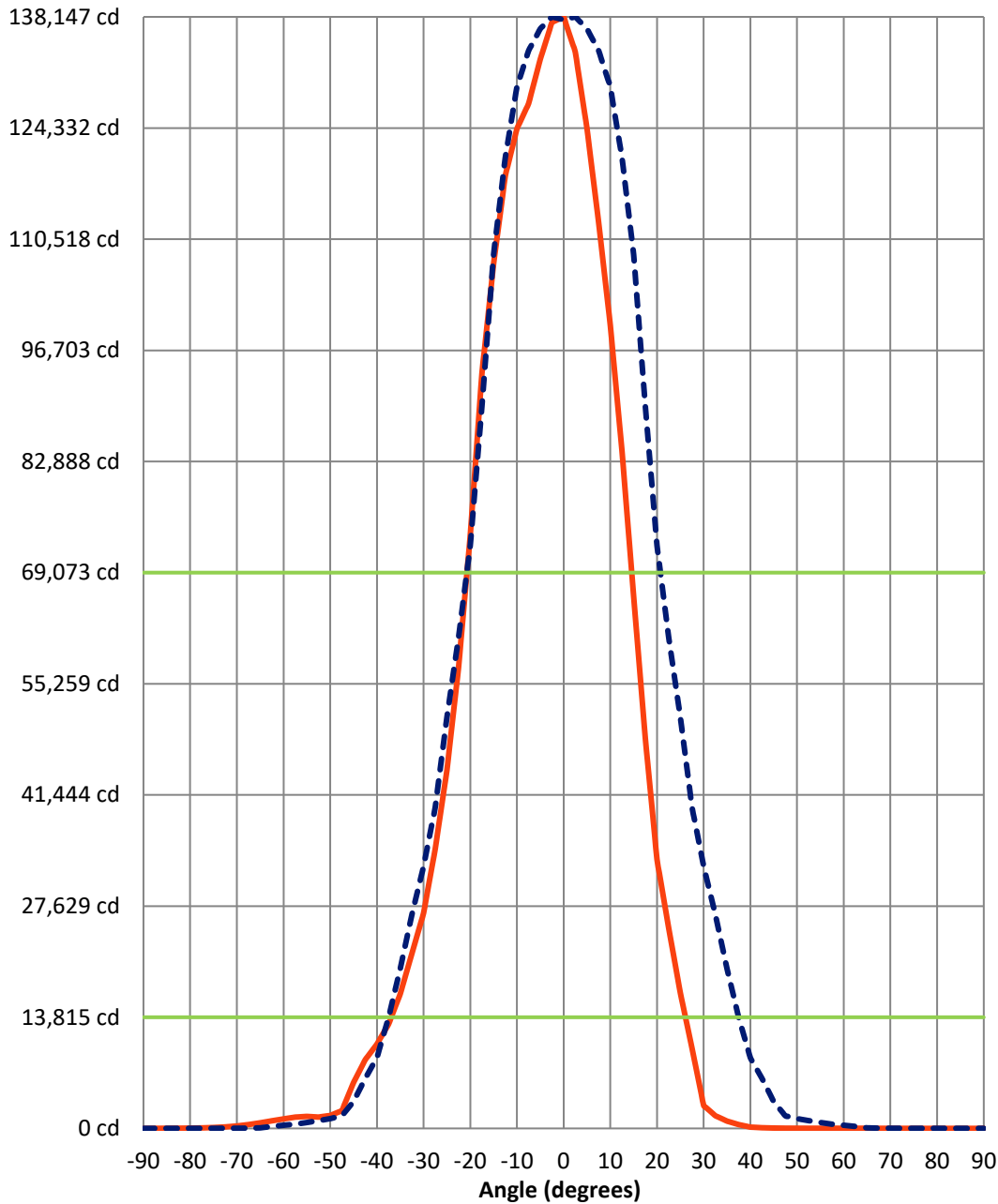
Luminous Intensity Polar Plot



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

REPORT NUMBER: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV2

Luminous Intensity Plot



Beam:
 H Angle: 41.5°
 V Angle: 35.3°
 Lumens: 37500
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 62460.1
 Efficiency: 91.6%

Spill:
 Lumens: 5719.3
 Efficiency: 8.4%

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



REPORT NUMBER: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV2

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
85°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
75°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.3	8.2
72.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.5	8.5	8.3
70°	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.7	8.9	8.9	8.9
67.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.6	9.2	9.4	9.3	9.6
65°	8.1	8.1	8.1	8.1	8.1	8.3	9.1	9.8	9.7	9.8	10.1
62.5°	8.1	8.1	8.1	8.1	8.1	8.7	9.6	10.0	9.9	10.1	10.1
60°	8.1	8.1	8.1	8.1	8.1	9.1	10.0	10.1	10.1	10.1	10.1
57.5°	8.1	8.1	8.1	8.1	8.4	9.4	10.1	10.1	10.1	10.1	10.1
55°	8.1	8.1	8.1	8.1	8.7	9.8	10.1	10.1	10.1	10.1	10.1
52.5°	8.1	8.1	8.1	8.1	9.0	10.1	10.1	10.1	10.1	10.1	10.1
50°	8.1	8.1	8.1	8.1	9.2	10.1	10.1	10.1	10.1	10.1	10.7
47.5°	8.1	8.1	8.1	8.1	9.5	10.1	10.1	10.1	10.1	10.1	11.4
45°	8.1	8.1	8.1	8.3	9.7	10.1	10.1	10.1	10.2	10.7	12.0
42.5°	8.1	8.1	8.1	8.5	10.0	10.1	10.1	10.2	10.3	11.2	12.6
40°	8.1	8.1	8.1	8.7	10.1	10.1	10.1	10.3	10.6	11.8	13.2
37.5°	8.1	8.1	8.1	8.8	10.1	10.1	10.1	10.5	11.2	12.4	13.8
35°	8.1	8.1	8.1	8.9	10.1	10.1	10.1	10.8	11.8	13.1	14.3
32.5°	8.1	8.1	8.1	9.0	10.1	10.1	10.2	11.0	12.3	13.9	15.3
30°	8.1	8.1	8.1	9.0	10.1	10.1	10.4	11.4	12.8	14.7	16.5
27.5°	8.1	8.1	8.1	9.0	10.0	10.1	10.6	11.8	13.4	15.6	17.8
25°	8.1	8.1	8.1	9.0	10.0	10.1	10.8	12.2	14.1	16.6	19.3
22.5°	8.1	8.1	8.1	9.0	10.0	10.1	11.1	12.6	14.8	17.8	22.8
20°	8.1	8.1	8.1	8.9	9.9	10.1	11.3	13.0	15.5	19.0	26.3
17.5°	8.1	8.1	8.1	8.9	10.0	10.1	11.5	13.3	16.2	20.2	29.8
15°	8.1	8.1	8.1	8.8	10.0	10.1	11.7	13.6	16.8	21.5	33.2
12.5°	8.1	8.1	8.1	8.7	10.0	10.1	11.8	13.8	17.5	22.7	36.7
10°	8.1	8.1	8.1	8.6	10.0	10.1	11.9	13.9	18.1	24.6	41.2
7.5°	8.1	8.1	8.1	8.5	10.0	10.1	12.0	14.0	18.7	26.6	48.6
5°	8.1	8.1	8.1	8.4	10.1	10.1	12.1	14.0	19.2	28.5	56.2
2.5°	8.1	8.1	8.1	8.2	10.1	10.1	12.1	14.1	19.7	30.4	63.6
0°	8.1	8.1	8.1	8.1	10.1	10.1	12.1	14.1	19.7	30.4	63.6
-2.5°	8.1	8.1	8.1	8.2	10.1	10.5	12.9	16.0	25.5	44.1	91.1
-5°	8.1	8.1	8.1	8.4	10.1	11.0	13.6	17.8	30.7	55.5	110.5
-7.5°	8.1	8.1	8.1	8.5	10.0	11.4	14.4	19.5	35.4	65.9	128.1
-10°	8.1	8.1	8.1	8.6	10.0	11.7	15.0	21.0	39.5	75.2	143.3
-12.5°	8.1	8.1	8.1	8.7	10.0	12.0	15.6	22.4	42.9	82.9	154.0
-15°	8.1	8.1	8.1	8.8	10.0	12.3	16.1	23.5	46.2	89.5	161.2
-17.5°	8.1	8.1	8.1	8.9	10.0	12.4	16.5	25.1	49.4	94.4	166.1
-20°	8.1	8.1	8.1	8.9	9.9	12.5	17.1	26.9	51.5	97.4	168.3



REPORT NUMBER: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.1	8.1	8.1	9.0	10.0	12.5	17.7	28.2	52.3	98.3	167.8
-25°	8.1	8.1	8.1	9.0	10.0	12.4	18.0	28.9	51.8	97.0	164.4
-27.5°	8.1	8.1	8.1	9.0	10.0	12.3	18.0	28.9	49.8	94.5	162.5
-30°	8.1	8.1	8.1	9.0	10.1	12.1	17.7	28.3	48.7	92.2	157.7
-32.5°	8.1	8.1	8.1	9.0	10.2	11.8	17.1	27.9	48.0	87.7	149.8
-35°	8.1	8.1	8.1	8.9	10.3	11.4	16.5	27.1	46.3	81.2	138.7
-37.5°	8.1	8.1	8.1	8.8	10.4	11.2	16.0	25.8	43.6	72.4	122.4
-40°	8.1	8.1	8.1	8.7	10.4	11.2	15.4	24.0	39.8	66.6	107.1
-42.5°	8.1	8.1	8.1	8.5	10.3	11.3	14.6	21.6	36.5	59.8	91.2
-45°	8.1	8.1	8.1	8.4	10.2	11.3	13.8	19.5	33.2	52.2	75.7
-47.5°	8.1	8.1	8.1	8.3	10.0	11.3	12.8	18.3	29.1	44.1	66.5
-50°	8.1	8.1	8.1	8.3	9.8	11.2	12.5	16.9	24.0	38.3	56.8
-52.5°	8.1	8.1	8.1	8.3	9.5	11.1	12.4	15.4	21.0	32.0	46.7
-55°	8.1	8.1	8.1	8.3	9.3	10.9	12.2	13.8	18.8	25.2	39.0
-57.5°	8.1	8.1	8.1	8.4	9.1	10.6	12.0	13.5	16.5	21.6	30.8
-60°	8.1	8.1	8.1	8.4	8.8	10.2	11.7	13.1	14.5	18.8	23.8
-62.5°	8.1	8.1	8.1	8.4	8.9	9.9	11.3	12.6	13.9	15.8	20.4
-65°	8.1	8.1	8.1	8.5	8.9	9.6	10.9	12.1	13.4	14.7	16.8
-67.5°	8.1	8.1	8.1	8.5	9.0	9.4	10.4	11.6	12.8	14.0	15.2
-70°	8.1	8.1	8.1	8.5	9.0	9.5	10.0	11.1	12.3	13.4	14.5
-72.5°	8.1	8.1	8.1	8.5	9.0	9.5	10.0	10.6	11.7	12.7	13.7
-75°	8.1	8.1	8.1	8.4	9.0	9.5	10.0	10.4	11.0	12.0	13.0
-77.5°	8.1	8.1	8.1	8.4	8.9	9.5	10.0	10.3	10.7	11.4	12.2
-80°	8.1	8.1	8.1	8.3	8.8	9.4	10.1	10.2	10.4	10.9	11.4
-82.5°	8.1	8.1	8.1	8.3	8.6	9.1	9.6	9.9	10.1	10.3	10.6
-85°	8.1	8.1	8.1	8.2	8.4	8.7	9.1	9.3	9.5	9.6	9.8
-87.5°	8.1	8.1	8.1	8.2	8.3	8.4	8.6	8.7	8.8	8.9	8.9
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1



REPORT NUMBER: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.1	8.1	8.1	8.1	7.6	7.1	6.5	6.0	6.0	6.0	6.0
87.5°	7.8	7.6	7.4	7.2	7.0	6.7	6.4	6.0	5.5	5.0	4.5
85°	8.1	8.1	8.1	8.1	7.6	7.1	6.5	6.0	5.7	5.5	5.4
82.5°	8.1	8.1	8.1	8.1	7.6	7.1	6.6	6.1	6.0	6.0	6.0
80°	8.1	8.1	8.1	8.1	7.7	7.1	6.6	6.1	6.0	6.1	6.1
77.5°	8.1	8.1	8.1	8.1	7.7	7.4	7.2	7.2	7.2	7.0	6.6
75°	8.1	8.1	8.2	8.2	8.0	8.0	8.1	8.1	7.8	7.3	6.7
72.5°	8.4	8.7	8.6	8.3	8.1	8.1	8.1	8.1	8.3	8.4	8.3
70°	9.2	9.3	8.9	8.4	8.1	8.3	9.2	10.3	11.2	11.1	11.0
67.5°	10.0	9.5	9.0	8.6	8.9	9.9	11.1	12.8	14.2	14.3	14.7
65°	10.0	9.6	9.3	9.5	10.0	11.8	13.6	15.4	19.6	22.3	23.6
62.5°	10.1	9.8	9.9	10.6	12.1	14.1	16.8	21.6	28.4	32.0	30.9
60°	10.1	10.0	10.7	12.3	14.0	15.9	20.3	27.0	35.8	42.2	38.4
57.5°	10.1	10.6	12.0	13.6	15.0	16.7	22.6	31.0	41.3	52.5	45.6
55°	10.4	11.5	13.0	14.4	15.9	17.3	23.5	33.1	44.7	51.5	44.8
52.5°	11.2	12.3	13.7	15.3	16.8	18.3	22.9	32.1	39.1	44.3	41.0
50°	11.9	13.1	14.5	16.0	17.8	19.5	20.3	27.8	33.4	35.8	35.6
47.5°	12.6	13.9	15.2	17.0	19.2	20.7	20.6	24.3	28.5	31.1	28.9
45°	13.3	14.7	16.0	18.5	20.9	22.2	23.4	22.5	29.1	30.8	29.6
42.5°	14.0	15.4	17.8	20.1	23.2	26.5	28.3	30.6	33.9	37.0	36.2
40°	14.7	16.2	20.2	24.9	27.1	33.3	39.3	42.9	44.3	47.1	47.1
37.5°	15.3	18.7	24.9	34.9	35.0	44.2	52.7	61.2	63.8	59.1	67.0
35°	15.9	21.5	37.7	49.7	51.7	58.6	72.7	85.8	93.6	89.1	96.4
32.5°	17.7	24.6	54.4	66.9	79.4	85.7	95.8	123.9	151.0	159.2	144.9
30°	20.9	39.9	73.3	85.8	115.3	134.7	140.7	178.6	235.1	284.5	382.0
27.5°	24.9	58.5	91.1	117.7	160.1	195.0	210.2	272.1	368.7	499.1	779.7
25°	29.1	78.1	109.9	158.2	218.8	259.3	284.3	371.5	533.7	950.1	1474.3
22.5°	39.4	98.1	133.6	203.3	285.0	320.2	372.9	491.8	764.0	1456.1	2325.7
20°	55.3	117.0	167.5	247.9	355.9	378.4	454.6	607.1	1079.2	2127.5	3172.3
17.5°	71.0	138.3	204.6	300.5	410.5	455.7	533.8	712.2	1343.7	2968.8	4271.3
15°	86.3	161.4	239.6	353.8	474.4	563.4	683.0	948.7	1849.1	3965.0	5726.2
12.5°	100.7	185.7	272.3	406.9	548.2	677.6	854.2	1334.4	2750.6	5128.8	7757.6
10°	114.2	210.4	302.6	458.8	629.1	795.9	1031.4	1756.3	3661.6	6141.6	9366.0
7.5°	145.4	248.1	336.6	508.3	713.8	915.6	1210.3	2195.2	4483.8	6998.7	10710.0
5°	180.1	299.0	401.5	586.0	802.9	1028.2	1374.3	2630.0	5204.7	7704.7	11920.6
2.5°	214.0	348.1	464.8	663.3	888.3	1126.2	1475.8	3009.1	5770.3	8302.1	12965.3
0°	245.6	394.6	525.4	734.8	966.3	1216.0	1562.3	3339.9	6200.7	8785.7	13788.5
-2.5°	284.3	444.3	592.7	802.8	992.6	1218.6	1563.6	3217.7	6294.3	9242.7	13479.7
-5°	317.7	489.7	655.0	864.7	1015.9	1214.9	1551.1	3031.1	6242.6	9487.4	13230.7
-7.5°	344.5	530.1	711.3	914.0	1037.4	1227.4	1581.3	3072.3	6156.6	9487.4	13074.6
-10°	360.1	541.6	711.7	911.3	1051.4	1243.3	1601.9	2999.7	5894.3	9290.9	12757.2
-12.5°	346.2	527.3	697.0	899.4	1060.2	1246.5	1595.2	2794.3	5452.0	8890.4	12360.9
-15°	329.7	510.2	676.1	877.4	1063.4	1235.7	1558.1	2442.3	4727.1	8027.8	11883.0
-17.5°	311.4	490.6	648.8	844.7	1060.7	1209.6	1467.5	1885.5	3788.9	6822.6	10786.4
-20°	291.9	468.9	614.9	800.5	1046.2	1149.6	1329.8	1672.7	2989.3	5471.6	9062.2



REPORT NUMBER: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	271.8	445.4	579.6	756.9	961.6	1077.3	1201.1	1448.0	2113.5	3953.0	6832.9
-25°	260.4	415.7	548.8	699.5	874.9	1009.9	1071.6	1227.1	1560.3	2901.9	4988.5
-27.5°	255.2	387.5	510.9	640.3	795.7	939.2	984.5	1085.0	1334.0	1872.0	3370.0
-30°	246.3	349.1	469.2	583.7	726.4	854.3	920.6	984.3	1143.3	1434.1	2263.9
-32.5°	226.8	310.2	424.2	534.9	658.2	782.1	882.0	943.0	1043.0	1195.0	1470.2
-35°	202.7	281.4	378.6	482.2	590.8	715.2	827.7	917.2	965.6	1070.3	1254.6
-37.5°	180.8	250.2	332.7	429.0	530.1	645.4	769.2	866.9	938.0	988.0	1120.1
-40°	157.6	216.8	293.6	379.0	470.1	575.4	689.4	802.9	893.0	967.9	1026.6
-42.5°	133.9	189.7	254.7	330.0	416.2	508.4	606.4	717.6	829.5	926.9	1000.9
-45°	115.5	161.7	215.2	287.3	363.3	443.8	532.5	624.7	744.7	855.1	947.3
-47.5°	96.4	134.7	183.9	243.7	313.4	385.2	459.9	552.1	651.8	760.8	866.0
-50°	78.9	113.2	152.5	206.5	266.2	329.5	396.0	480.3	572.2	665.2	761.4
-52.5°	67.4	91.0	127.4	169.7	222.4	279.0	340.4	412.3	493.8	578.7	664.0
-55°	55.2	75.8	102.8	138.4	179.7	230.4	288.1	350.6	414.6	492.0	568.6
-57.5°	44.6	62.0	83.3	109.8	144.0	182.0	235.5	291.2	349.9	409.7	473.4
-60°	34.6	49.0	67.1	87.7	111.2	144.8	183.0	231.0	283.3	335.9	389.5
-62.5°	25.4	37.1	51.7	68.8	88.3	109.4	140.2	176.4	215.5	259.4	304.3
-65°	21.3	26.4	37.0	51.2	66.8	85.2	105.2	126.8	158.5	189.8	220.9
-67.5°	17.0	21.4	26.4	33.4	46.6	61.2	76.6	94.8	113.9	131.4	151.8
-70°	15.5	16.6	20.2	24.8	30.0	37.9	50.9	64.5	78.1	91.3	106.2
-72.5°	14.5	15.4	16.4	17.7	21.6	26.3	31.6	37.5	46.3	56.7	67.1
-75°	13.6	14.0	14.8	15.7	16.8	18.1	19.9	24.2	28.8	33.3	37.7
-77.5°	12.7	13.1	13.4	13.8	14.2	15.1	16.0	17.2	18.6	20.5	22.5
-80°	11.8	12.1	12.4	12.7	12.7	12.8	13.1	13.4	13.9	14.6	15.6
-82.5°	10.9	11.1	11.3	11.5	11.3	11.0	10.7	10.6	10.9	11.3	11.6
-85°	9.9	10.1	10.2	10.4	10.1	9.7	9.3	8.9	9.0	9.2	9.3
-87.5°	9.0	9.1	9.2	9.2	8.8	8.4	7.9	7.5	7.5	7.6	7.7
-90°	7.6	7.1	6.5	6.0	6.0	6.0	6.0	6.0	5.5	5.0	4.5



REPORT NUMBER: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.0	6.0	6.0	6.0	6.0	6.5	7.1	7.6	8.1	9.1	10.1
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.0
85°	5.3	5.0	4.7	4.4	4.0	4.0	4.0	4.0	4.0	3.5	3.0
82.5°	6.0	5.5	5.0	4.5	4.0	4.0	4.0	4.0	4.0	3.5	3.0
80°	6.0	5.7	5.5	5.3	5.3	5.1	4.8	4.4	4.0	3.5	3.0
77.5°	6.1	6.0	6.0	6.0	6.0	5.6	5.1	4.6	4.1	3.6	3.0
75°	6.2	6.1	6.2	6.2	6.1	5.8	5.7	5.6	5.6	5.3	4.9
72.5°	7.9	7.6	7.4	7.3	7.0	6.8	6.7	6.5	6.1	5.9	5.9
70°	10.8	10.6	10.4	10.1	9.7	9.2	8.9	8.5	7.8	7.7	7.8
67.5°	15.8	16.1	15.9	15.3	13.7	12.3	11.6	10.8	9.9	9.9	10.5
65°	23.2	20.3	18.4	16.8	15.4	14.3	13.6	12.8	12.0	12.2	13.9
62.5°	27.5	21.6	18.4	17.2	16.6	15.9	14.8	14.0	13.6	14.0	15.4
60°	32.1	23.2	17.3	16.2	15.2	14.2	14.1	14.1	14.1	14.3	14.9
57.5°	34.4	23.8	16.0	15.4	14.9	14.3	14.3	14.5	14.4	14.2	14.7
55°	33.6	24.0	16.5	15.7	15.6	15.8	15.8	15.0	14.4	14.1	14.7
52.5°	30.6	23.1	17.7	16.2	16.2	15.4	14.2	14.9	15.7	16.4	17.2
50°	27.3	21.7	18.9	17.6	17.6	17.8	17.7	18.8	19.8	20.4	21.2
47.5°	25.0	21.8	21.7	21.2	21.8	23.0	23.5	24.6	27.6	29.1	29.8
45°	25.3	26.8	27.8	28.9	28.8	34.5	38.6	40.9	43.5	46.0	48.0
42.5°	34.1	38.0	41.5	46.8	49.9	59.4	64.4	58.2	71.0	82.2	84.8
40°	52.3	57.9	70.3	84.0	100.6	107.8	141.3	142.8	157.4	193.7	205.5
37.5°	79.5	95.5	138.6	175.1	232.9	267.3	309.9	350.8	383.7	417.4	440.4
35°	123.8	206.1	271.0	384.7	462.4	501.7	552.3	612.8	638.4	744.5	825.6
32.5°	264.5	412.3	588.5	679.3	781.3	859.3	848.4	1099.8	1196.7	1356.2	1486.0
30°	488.9	842.0	1314.9	1314.9	1296.6	1726.6	1884.0	2208.7	2541.7	2763.5	3293.8
27.5°	1130.2	1879.5	2628.5	2643.6	2968.1	3866.0	4377.3	4531.0	5975.7	6903.4	8168.8
25°	2082.7	3315.9	4349.2	4830.0	5793.8	7256.6	8122.6	9155.2	11311.4	13768.2	15319.2
22.5°	3101.9	4416.1	5968.7	7063.7	8910.8	10792.6	12367.4	14646.0	17543.9	20285.4	22140.2
20°	3869.0	5413.0	7606.0	9905.9	12246.0	14605.0	17051.3	20182.2	24105.1	27443.4	30460.7
17.5°	5433.2	7065.7	10033.7	13162.0	16338.0	18858.3	22721.6	26476.5	31255.8	36100.1	39852.2
15°	7747.9	10379.3	13348.8	17406.6	21873.6	25730.3	29826.5	36416.2	42230.3	48456.5	54019.5
12.5°	10718.2	14205.7	18140.7	22807.4	28662.0	34714.6	40961.8	47917.2	55521.9	63000.7	70939.6
10°	13491.5	18284.6	23365.1	29107.3	35807.0	43450.5	51083.5	58964.6	69531.9	79109.5	87598.9
7.5°	15406.3	21051.4	27287.0	34305.5	42575.1	50704.7	59327.0	70042.5	82388.0	93248.3	101948.3
5°	17125.8	23522.6	29748.9	36844.0	46458.6	55750.6	65938.4	78980.7	93034.2	104943.9	113614.4
2.5°	18622.8	25506.5	31553.2	38700.9	49257.1	58924.8	70049.8	85593.3	101965.1	113894.5	123042.9
0°	19854.3	26572.5	32573.9	39936.2	51097.5	61054.8	72467.8	89753.2	108599.0	120650.0	129443.8
-2.5°	18662.1	24756.5	30680.4	38137.5	49385.1	59582.8	71918.2	89500.5	107995.4	120993.3	130073.1
-5°	17761.5	23326.9	28950.5	36329.4	46222.1	55678.0	67253.2	85335.4	104801.9	117935.1	127122.6
-7.5°	17063.6	21920.6	27033.6	33828.1	42877.8	52905.3	65316.1	82762.6	101157.1	114439.9	122764.5
-10°	16302.7	20475.3	26047.6	32895.9	41696.2	51255.8	62281.3	78420.1	97005.8	109785.8	119535.9
-12.5°	16071.0	20476.8	26089.6	32035.7	40130.5	49310.8	59822.6	73569.3	87815.0	101216.3	109766.8
-15°	15697.2	20168.3	25661.3	31253.8	38592.5	47434.1	56209.2	66368.1	78275.1	87958.4	96890.5
-17.5°	14964.4	19260.8	23388.9	28614.7	35757.3	43953.9	50602.9	58592.3	67182.9	74566.9	81304.3
-20°	13210.1	16132.0	20044.5	24972.5	31093.4	37730.5	43784.5	49548.7	55069.4	60694.6	64591.5



REPORT NUMBER: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10108.2	12914.0	16194.4	20287.9	25140.2	30924.4	36274.3	40178.3	44569.7	48620.3	51950.6
-25°	7392.0	9447.7	12509.6	16002.5	19169.1	23801.9	27907.6	30544.2	34398.8	37426.8	40309.6
-27.5°	5345.6	7358.8	9855.6	12615.7	14989.9	17478.7	21103.0	23620.8	26652.5	28974.4	31378.8
-30°	3648.6	5865.7	8166.7	10424.4	12230.6	14110.8	16119.3	18602.8	21036.7	22987.4	24724.4
-32.5°	2530.7	4137.2	6385.9	8489.3	10121.8	11555.4	12875.2	14761.8	16583.1	18170.9	19472.8
-35°	1550.3	2689.7	4247.1	6250.2	7975.9	9353.6	10570.7	11772.4	12937.5	14132.2	15138.7
-37.5°	1311.7	1583.6	2554.1	3933.3	5577.2	7110.5	8302.7	9295.0	10174.5	11083.7	11799.4
-40°	1159.2	1321.8	1565.4	2070.0	3334.4	4609.0	5894.5	6962.4	7929.7	8735.9	9362.6
-42.5°	1058.6	1167.4	1286.0	1483.9	1718.3	2343.1	3448.6	4526.4	5575.6	6455.4	7192.9
-45°	1027.4	1082.0	1146.1	1252.0	1349.1	1539.2	1744.4	1957.0	2791.1	3676.2	4456.0
-47.5°	956.3	1043.9	1102.0	1147.5	1201.6	1287.5	1366.4	1466.8	1658.4	1848.5	2003.7
-50°	862.1	957.7	1038.1	1116.1	1171.1	1208.7	1237.4	1289.4	1365.8	1440.1	1500.0
-52.5°	748.0	840.8	934.2	1029.0	1107.2	1179.6	1247.6	1294.6	1330.2	1360.6	1376.2
-55°	644.2	721.8	800.0	895.3	989.7	1080.5	1167.6	1241.9	1311.2	1375.8	1412.5
-57.5°	542.9	609.7	679.3	764.5	848.5	930.9	1015.4	1101.1	1184.9	1263.2	1308.5
-60°	446.2	505.5	568.6	637.3	710.2	786.4	859.2	931.8	1003.8	1067.6	1105.1
-62.5°	351.6	401.5	452.8	507.2	564.5	624.6	685.0	746.0	807.0	858.2	889.9
-65°	255.4	296.1	335.3	375.0	415.3	460.7	508.6	555.2	600.1	635.3	658.3
-67.5°	178.6	204.9	228.9	252.3	280.8	313.1	347.5	381.0	413.2	437.5	453.8
-70°	121.2	135.9	149.1	164.4	183.1	202.3	222.5	241.9	260.4	274.5	285.3
-72.5°	77.4	87.1	96.5	107.0	117.1	128.2	139.8	150.8	161.2	168.4	174.1
-75°	41.8	47.0	54.7	61.9	68.6	76.6	84.9	92.7	99.9	103.7	106.3
-77.5°	25.6	29.1	32.4	35.6	38.5	42.9	47.7	52.6	57.4	59.6	61.3
-80°	16.8	18.4	20.1	21.8	23.5	26.1	28.8	31.5	34.1	34.9	35.5
-82.5°	11.9	12.5	13.1	13.7	14.4	16.0	17.7	19.5	21.2	22.5	23.7
-85°	9.4	9.5	9.6	9.6	9.7	10.6	11.6	12.6	13.7	14.3	14.9
-87.5°	7.7	7.8	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.6	9.1
-90°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.0



REPORT NUMBER: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	11.1	12.1	11.1	10.1	11.1	12.1	11.1	10.1	9.1	8.1	7.6
87.5°	2.5	2.0	1.0	0.0	1.0	2.0	2.5	3.0	3.5	4.0	4.0
85°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.5	4.0	4.0
82.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.5	4.0	4.0
80°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.5	4.0	4.4
77.5°	2.5	2.0	3.0	4.0	3.0	2.0	2.5	3.0	3.6	4.1	4.6
75°	4.4	4.0	4.0	4.0	4.0	4.0	4.4	4.9	5.3	5.6	5.6
72.5°	5.9	5.9	6.0	6.0	6.0	5.9	5.9	5.9	5.9	6.1	6.5
70°	8.0	8.0	8.1	8.1	8.1	8.0	8.0	7.8	7.7	7.8	8.5
67.5°	11.2	11.9	12.1	12.1	12.1	11.9	11.2	10.5	9.9	9.9	10.8
65°	15.7	17.6	17.2	16.1	17.2	17.6	15.7	13.9	12.2	12.0	12.8
62.5°	16.7	17.8	18.1	18.1	18.1	17.8	16.7	15.4	14.0	13.6	14.0
60°	15.5	16.0	16.1	16.1	16.1	16.0	15.5	14.9	14.3	14.1	14.1
57.5°	15.3	15.9	16.1	16.1	16.1	15.9	15.3	14.7	14.2	14.4	14.5
55°	15.3	15.9	16.1	16.1	16.1	15.9	15.3	14.7	14.1	14.4	15.0
52.5°	17.7	17.9	18.1	18.1	18.1	17.9	17.7	17.2	16.4	15.7	14.9
50°	22.4	23.5	22.7	20.1	22.7	23.5	22.4	21.2	20.4	19.8	18.8
47.5°	29.8	28.8	28.1	28.2	28.1	28.8	29.8	29.8	29.1	27.6	24.6
45°	48.6	48.2	47.9	48.3	47.9	48.2	48.6	48.0	46.0	43.5	40.9
42.5°	87.7	88.0	86.6	84.6	86.6	88.0	87.7	84.8	82.2	71.0	58.2
40°	204.9	187.8	164.6	151.0	164.6	187.8	204.9	205.5	193.7	157.4	142.8
37.5°	461.5	474.9	476.2	467.1	476.2	474.9	461.5	440.4	417.4	383.7	350.8
35°	876.9	908.3	910.1	893.9	910.1	908.3	876.9	825.6	744.5	638.4	612.8
32.5°	1483.9	1554.5	1581.0	1574.3	1581.0	1554.5	1483.9	1486.0	1356.2	1196.7	1099.8
30°	3047.2	3068.3	2851.3	2454.1	2851.3	3068.3	3047.2	3293.8	2763.5	2541.7	2208.7
27.5°	8855.4	9672.7	9969.1	9838.6	9969.1	9672.7	8855.4	8168.8	6903.4	5975.7	4531.0
25°	15764.7	16303.2	16840.7	16903.0	16840.7	16303.2	15764.7	15319.2	13768.2	11311.4	9155.2
22.5°	23424.9	24190.2	24916.6	24750.5	24916.6	24190.2	23424.9	22140.2	20285.4	17543.9	14646.0
20°	32377.1	32904.9	33440.8	32847.7	33440.8	32904.9	32377.1	30460.7	27443.4	24105.1	20182.2
17.5°	43782.4	46267.5	48473.6	47475.7	48473.6	46267.5	43782.4	39852.2	36100.1	31255.8	26476.5
15°	59257.3	63582.6	66119.4	65985.2	66119.4	63582.6	59257.3	54019.5	48456.5	42230.3	36416.2
12.5°	77089.9	81609.9	84198.8	83663.3	84198.8	81609.9	77089.9	70939.6	63000.7	55521.9	47917.2
10°	93178.9	96728.2	99804.3	101009.1	99804.3	96728.2	93178.9	87598.9	79109.5	69531.9	58964.6
7.5°	107389.4	110034.0	112599.7	113058.3	112599.7	110034.0	107389.4	101948.3	93248.3	82388.0	70042.5
5°	119087.5	122834.2	124284.6	124859.7	124284.6	122834.2	119087.5	113614.4	104943.9	93034.2	78980.7
2.5°	128528.8	131956.0	133770.3	133234.7	133770.3	131956.0	128528.8	123042.9	113894.5	101965.1	85593.3
0°	133952.4	136665.2	138147.0	137792.6	138147.0	136665.2	133952.4	129443.8	120650.0	108599.0	89753.2
-2.5°	134487.0	136311.2	137470.1	137015.5	137470.1	136311.2	134487.0	130073.1	120993.3	107995.4	89500.5
-5°	130788.4	132272.8	132881.8	133142.1	132881.8	132272.8	130788.4	127122.6	117935.1	104801.9	85335.4
-7.5°	125692.3	127686.3	127383.0	127907.7	127383.0	127686.3	125692.3	122764.5	114439.9	101157.1	82762.6
-10°	122657.0	124497.4	124230.9	124372.5	124230.9	124497.4	122657.0	119535.9	109785.8	97005.8	78420.1
-12.5°	115292.6	117964.6	118374.8	118835.1	118374.8	117964.6	115292.6	109766.8	101216.3	87815.0	73569.3
-15°	102753.3	105689.3	107464.6	107864.1	107464.6	105689.3	102753.3	96890.5	87958.4	78275.1	66368.1
-17.5°	86905.7	90966.1	93820.7	94484.3	93820.7	90966.1	86905.7	81304.3	74566.9	67182.9	58592.3
-20°	69350.5	72257.1	73736.1	74533.3	73736.1	72257.1	69350.5	64591.5	60694.6	55069.4	49548.7



REPORT NUMBER: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	54585.1	56504.6	57328.7	57463.3	57328.7	56504.6	54585.1	51950.6	48620.3	44569.7	40178.3
-25°	42644.0	43952.4	44513.2	45341.7	44513.2	43952.4	42644.0	40309.6	37426.8	34398.8	30544.2
-27.5°	33093.3	34243.7	34756.7	35519.2	34756.7	34243.7	33093.3	31378.8	28974.4	26652.5	23620.8
-30°	25896.1	26589.1	26762.2	26799.9	26762.2	26589.1	25896.1	24724.4	22987.4	21036.7	18602.8
-32.5°	20483.8	21264.4	21730.4	21938.0	21730.4	21264.4	20483.8	19472.8	18170.9	16583.1	14761.8
-35°	15892.5	16407.0	16713.3	17058.0	16713.3	16407.0	15892.5	15138.7	14132.2	12937.5	11772.4
-37.5°	12355.9	12737.4	12948.5	13019.5	12948.5	12737.4	12355.9	11799.4	11083.7	10174.5	9295.0
-40°	9862.5	10241.3	10468.7	10503.0	10468.7	10241.3	9862.5	9362.6	8735.9	7929.7	6962.4
-42.5°	7753.2	8225.2	8530.4	8600.5	8530.4	8225.2	7753.2	7192.9	6455.4	5575.6	4526.4
-45°	5026.4	5465.7	5698.2	5683.3	5698.2	5465.7	5026.4	4456.0	3676.2	2791.1	1957.0
-47.5°	2103.0	2173.7	2204.2	2194.4	2204.2	2173.7	2103.0	2003.7	1848.5	1658.4	1466.8
-50°	1547.4	1587.5	1609.5	1614.6	1609.5	1587.5	1547.4	1500.0	1440.1	1365.8	1289.4
-52.5°	1389.5	1404.2	1409.4	1409.3	1409.4	1404.2	1389.5	1376.2	1360.6	1330.2	1294.6
-55°	1446.6	1479.0	1491.7	1491.8	1491.7	1479.0	1446.6	1412.5	1375.8	1311.2	1241.9
-57.5°	1349.7	1386.1	1402.9	1407.2	1402.9	1386.1	1349.7	1308.5	1263.2	1184.9	1101.1
-60°	1138.8	1168.1	1180.8	1183.8	1180.8	1168.1	1138.8	1105.1	1067.6	1003.8	931.8
-62.5°	916.9	939.1	945.9	944.2	945.9	939.1	916.9	889.9	858.2	807.0	746.0
-65°	677.6	692.9	694.1	688.5	694.1	692.9	677.6	658.3	635.3	600.1	555.2
-67.5°	466.8	476.5	477.0	473.1	477.0	476.5	466.8	453.8	437.5	413.2	381.0
-70°	294.5	301.8	302.3	300.0	302.3	301.8	294.5	285.3	274.5	260.4	241.9
-72.5°	179.0	183.0	186.6	189.2	186.6	183.0	179.0	174.1	168.4	161.2	150.8
-75°	108.2	109.6	109.5	108.7	109.5	109.6	108.2	106.3	103.7	99.9	92.7
-77.5°	62.7	63.8	66.2	68.4	66.2	63.8	62.7	61.3	59.6	57.4	52.6
-80°	35.8	36.0	37.2	38.3	37.2	36.0	35.8	35.5	34.9	34.1	31.5
-82.5°	24.9	26.1	26.2	26.2	26.2	26.1	24.9	23.7	22.5	21.2	19.5
-85°	15.5	16.1	17.1	18.1	17.1	16.1	15.5	14.9	14.3	13.7	12.6
-87.5°	9.6	10.1	10.1	10.1	10.1	10.1	9.6	9.1	8.6	8.1	8.1
-90°	2.5	2.0	1.0	0.0	1.0	2.0	2.5	3.0	3.5	4.0	4.0



REPORT NUMBER: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.1	6.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	5.0	5.5	6.0
85°	4.0	4.0	4.0	4.4	4.7	5.0	5.3	5.4	5.5	5.7	6.0
82.5°	4.0	4.0	4.0	4.5	5.0	5.5	6.0	6.0	6.0	6.0	6.1
80°	4.8	5.1	5.3	5.3	5.5	5.7	6.0	6.1	6.1	6.0	6.1
77.5°	5.1	5.6	6.0	6.0	6.0	6.0	6.1	6.6	7.0	7.2	7.2
75°	5.7	5.8	6.1	6.2	6.2	6.1	6.2	6.7	7.3	7.8	8.1
72.5°	6.7	6.8	7.0	7.3	7.4	7.6	7.9	8.3	8.4	8.3	8.1
70°	8.9	9.2	9.7	10.1	10.4	10.6	10.8	11.0	11.1	11.2	10.3
67.5°	11.6	12.3	13.7	15.3	15.9	16.1	15.8	14.7	14.3	14.2	12.8
65°	13.6	14.3	15.4	16.8	18.4	20.3	23.2	23.6	22.3	19.6	15.4
62.5°	14.8	15.9	16.6	17.2	18.4	21.6	27.5	30.9	32.0	28.4	21.6
60°	14.1	14.2	15.2	16.2	17.3	23.2	32.1	38.4	42.2	35.8	27.0
57.5°	14.3	14.3	14.9	15.4	16.0	23.8	34.4	45.6	52.5	41.3	31.0
55°	15.8	15.8	15.6	15.7	16.5	24.0	33.6	44.8	51.5	44.7	33.1
52.5°	14.2	15.4	16.2	16.2	17.7	23.1	30.6	41.0	44.3	39.1	32.1
50°	17.7	17.8	17.6	17.6	18.9	21.7	27.3	35.6	35.8	33.4	27.8
47.5°	23.5	23.0	21.8	21.2	21.7	21.8	25.0	28.9	31.1	28.5	24.3
45°	38.6	34.5	28.8	28.9	27.8	26.8	25.3	29.6	30.8	29.1	22.5
42.5°	64.4	59.4	49.9	46.8	41.5	38.0	34.1	36.2	37.0	33.9	30.6
40°	141.3	107.8	100.6	84.0	70.3	57.9	52.3	47.1	47.1	44.3	42.9
37.5°	309.9	267.3	232.9	175.1	138.6	95.5	79.5	67.0	59.1	63.8	61.2
35°	552.3	501.7	462.4	384.7	271.0	206.1	123.8	96.4	89.1	93.6	85.8
32.5°	848.4	859.3	781.3	679.3	588.5	412.3	264.5	144.9	159.2	151.0	123.9
30°	1884.0	1726.6	1296.6	1314.9	1314.9	842.0	488.9	382.0	284.5	235.1	178.6
27.5°	4377.3	3866.0	2968.1	2643.6	2628.5	1879.5	1130.2	779.7	499.1	368.7	272.1
25°	8122.6	7256.6	5793.8	4830.0	4349.2	3315.9	2082.7	1474.3	950.1	533.7	371.5
22.5°	12367.4	10792.6	8910.8	7063.7	5968.7	4416.1	3101.9	2325.7	1456.1	764.0	491.8
20°	17051.3	14605.0	12246.0	9905.9	7606.0	5413.0	3869.0	3172.3	2127.5	1079.2	607.1
17.5°	22721.6	18858.3	16338.0	13162.0	10033.7	7065.7	5433.2	4271.3	2968.8	1343.7	712.2
15°	29826.5	25730.3	21873.6	17406.6	13348.8	10379.3	7747.9	5726.2	3965.0	1849.1	948.7
12.5°	40961.8	34714.6	28662.0	22807.4	18140.7	14205.7	10718.2	7757.6	5128.8	2750.6	1334.4
10°	51083.5	43450.5	35807.0	29107.3	23365.1	18284.6	13491.5	9366.0	6141.6	3661.6	1756.3
7.5°	59327.0	50704.7	42575.1	34305.5	27287.0	21051.4	15406.3	10710.0	6998.7	4483.8	2195.2
5°	65938.4	55750.6	46458.6	36844.0	29748.9	23522.6	17125.8	11920.6	7704.7	5204.7	2630.0
2.5°	70049.8	58924.8	49257.1	38700.9	31553.2	25506.5	18622.8	12965.3	8302.1	5770.3	3009.1
0°	72467.8	61054.8	51097.5	39936.2	32573.9	26572.5	19854.3	13788.5	8785.7	6200.7	3339.9
-2.5°	71918.2	59582.8	49385.1	38137.5	30680.4	24756.5	18662.1	13479.7	9242.7	6294.3	3217.7
-5°	67253.2	55678.0	46222.1	36329.4	28950.5	23326.9	17761.5	13230.7	9487.4	6242.6	3031.1
-7.5°	65316.1	52905.3	42877.8	33828.1	27033.6	21920.6	17063.6	13074.6	9487.4	6156.6	3072.3
-10°	62281.3	51255.8	41696.2	32895.9	26047.6	20475.3	16302.7	12757.2	9290.9	5894.3	2999.7
-12.5°	59822.6	49310.8	40130.5	32035.7	26089.6	20476.8	16071.0	12360.9	8890.4	5452.0	2794.3
-15°	56209.2	47434.1	38592.5	31253.8	25661.3	20168.3	15697.2	11883.0	8027.8	4727.1	2442.3
-17.5°	50602.9	43953.9	35757.3	28614.7	23388.9	19260.8	14964.4	10786.4	6822.6	3788.9	1885.5
-20°	43784.5	37730.5	31093.4	24972.5	20044.5	16132.0	13210.1	9062.2	5471.6	2989.3	1672.7



REPORT NUMBER: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	36274.3	30924.4	25140.2	20287.9	16194.4	12914.0	10108.2	6832.9	3953.0	2113.5	1448.0
-25°	27907.6	23801.9	19169.1	16002.5	12509.6	9447.7	7392.0	4988.5	2901.9	1560.3	1227.1
-27.5°	21103.0	17478.7	14989.9	12615.7	9855.6	7358.8	5345.6	3370.0	1872.0	1334.0	1085.0
-30°	16119.3	14110.8	12230.6	10424.4	8166.7	5865.7	3648.6	2263.9	1434.1	1143.3	984.3
-32.5°	12875.2	11555.4	10121.8	8489.3	6385.9	4137.2	2530.7	1470.2	1195.0	1043.0	943.0
-35°	10570.7	9353.6	7975.9	6250.2	4247.1	2689.7	1550.3	1254.6	1070.3	965.6	917.2
-37.5°	8302.7	7110.5	5577.2	3933.3	2554.1	1583.6	1311.7	1120.1	988.0	938.0	866.9
-40°	5894.5	4609.0	3334.4	2070.0	1565.4	1321.8	1159.2	1026.6	967.9	893.0	802.9
-42.5°	3448.6	2343.1	1718.3	1483.9	1286.0	1167.4	1058.6	1000.9	926.9	829.5	717.6
-45°	1744.4	1539.2	1349.1	1252.0	1146.1	1082.0	1027.4	947.3	855.1	744.7	624.7
-47.5°	1366.4	1287.5	1201.6	1147.5	1102.0	1043.9	956.3	866.0	760.8	651.8	552.1
-50°	1237.4	1208.7	1171.1	1116.1	1038.1	957.7	862.1	761.4	665.2	572.2	480.3
-52.5°	1247.6	1179.6	1107.2	1029.0	934.2	840.8	748.0	664.0	578.7	493.8	412.3
-55°	1167.6	1080.5	989.7	895.3	800.0	721.8	644.2	568.6	492.0	414.6	350.6
-57.5°	1015.4	930.9	848.5	764.5	679.3	609.7	542.9	473.4	409.7	349.9	291.2
-60°	859.2	786.4	710.2	637.3	568.6	505.5	446.2	389.5	335.9	283.3	231.0
-62.5°	685.0	624.6	564.5	507.2	452.8	401.5	351.6	304.3	259.4	215.5	176.4
-65°	508.6	460.7	415.3	375.0	335.3	296.1	255.4	220.9	189.8	158.5	126.8
-67.5°	347.5	313.1	280.8	252.3	228.9	204.9	178.6	151.8	131.4	113.9	94.8
-70°	222.5	202.3	183.1	164.4	149.1	135.9	121.2	106.2	91.3	78.1	64.5
-72.5°	139.8	128.2	117.1	107.0	96.5	87.1	77.4	67.1	56.7	46.3	37.5
-75°	84.9	76.6	68.6	61.9	54.7	47.0	41.8	37.7	33.3	28.8	24.2
-77.5°	47.7	42.9	38.5	35.6	32.4	29.1	25.6	22.5	20.5	18.6	17.2
-80°	28.8	26.1	23.5	21.8	20.1	18.4	16.8	15.6	14.6	13.9	13.4
-82.5°	17.7	16.0	14.4	13.7	13.1	12.5	11.9	11.6	11.3	10.9	10.6
-85°	11.6	10.6	9.7	9.6	9.6	9.5	9.4	9.3	9.2	9.0	8.9
-87.5°	8.0	8.0	7.9	7.9	7.8	7.8	7.7	7.7	7.6	7.5	7.5
-90°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	5.0	5.5	6.0



REPORT NUMBER: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	6.5	7.1	7.6	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	6.4	6.7	7.0	7.2	7.4	7.6	7.8	8.1	8.1	8.1	8.1
85°	6.5	7.1	7.6	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	6.6	7.1	7.6	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	6.6	7.1	7.7	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
77.5°	7.2	7.4	7.7	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
75°	8.1	8.0	8.0	8.2	8.2	8.1	8.1	8.2	8.3	8.1	8.1
72.5°	8.1	8.1	8.1	8.3	8.6	8.7	8.4	8.3	8.5	8.5	8.2
70°	9.2	8.3	8.1	8.4	8.9	9.3	9.2	8.9	8.9	8.9	8.7
67.5°	11.1	9.9	8.9	8.6	9.0	9.5	10.0	9.6	9.3	9.4	9.2
65°	13.6	11.8	10.0	9.5	9.3	9.6	10.0	10.1	9.8	9.7	9.8
62.5°	16.8	14.1	12.1	10.6	9.9	9.8	10.1	10.1	10.1	9.9	10.0
60°	20.3	15.9	14.0	12.3	10.7	10.0	10.1	10.1	10.1	10.1	10.1
57.5°	22.6	16.7	15.0	13.6	12.0	10.6	10.1	10.1	10.1	10.1	10.1
55°	23.5	17.3	15.9	14.4	13.0	11.5	10.4	10.1	10.1	10.1	10.1
52.5°	22.9	18.3	16.8	15.3	13.7	12.3	11.2	10.1	10.1	10.1	10.1
50°	20.3	19.5	17.8	16.0	14.5	13.1	11.9	10.7	10.1	10.1	10.1
47.5°	20.6	20.7	19.2	17.0	15.2	13.9	12.6	11.4	10.1	10.1	10.1
45°	23.4	22.2	20.9	18.5	16.0	14.7	13.3	12.0	10.7	10.2	10.1
42.5°	28.3	26.5	23.2	20.1	17.8	15.4	14.0	12.6	11.2	10.3	10.2
40°	39.3	33.3	27.1	24.9	20.2	16.2	14.7	13.2	11.8	10.6	10.3
37.5°	52.7	44.2	35.0	34.9	24.9	18.7	15.3	13.8	12.4	11.2	10.5
35°	72.7	58.6	51.7	49.7	37.7	21.5	15.9	14.3	13.1	11.8	10.8
32.5°	95.8	85.7	79.4	66.9	54.4	24.6	17.7	15.3	13.9	12.3	11.0
30°	140.7	134.7	115.3	85.8	73.3	39.9	20.9	16.5	14.7	12.8	11.4
27.5°	210.2	195.0	160.1	117.7	91.1	58.5	24.9	17.8	15.6	13.4	11.8
25°	284.3	259.3	218.8	158.2	109.9	78.1	29.1	19.3	16.6	14.1	12.2
22.5°	372.9	320.2	285.0	203.3	133.6	98.1	39.4	22.8	17.8	14.8	12.6
20°	454.6	378.4	355.9	247.9	167.5	117.0	55.3	26.3	19.0	15.5	13.0
17.5°	533.8	455.7	410.5	300.5	204.6	138.3	71.0	29.8	20.2	16.2	13.3
15°	683.0	563.4	474.4	353.8	239.6	161.4	86.3	33.2	21.5	16.8	13.6
12.5°	854.2	677.6	548.2	406.9	272.3	185.7	100.7	36.7	22.7	17.5	13.8
10°	1031.4	795.9	629.1	458.8	302.6	210.4	114.2	41.2	24.6	18.1	13.9
7.5°	1210.3	915.6	713.8	508.3	336.6	248.1	145.4	48.6	26.6	18.7	14.0
5°	1374.3	1028.2	802.9	586.0	401.5	299.0	180.1	56.2	28.5	19.2	14.0
2.5°	1475.8	1126.2	888.3	663.3	464.8	348.1	214.0	63.6	30.4	19.7	14.1
0°	1562.3	1216.0	966.3	734.8	525.4	394.6	245.6	70.5	32.2	20.1	14.1
-2.5°	1563.6	1218.6	992.6	802.8	592.7	444.3	284.3	91.1	44.1	25.5	16.0
-5°	1551.1	1214.9	1015.9	864.7	655.0	489.7	317.7	110.5	55.5	30.7	17.8
-7.5°	1581.3	1227.4	1037.4	914.0	711.3	530.1	344.5	128.1	65.9	35.4	19.5
-10°	1601.9	1243.3	1051.4	911.3	711.7	541.6	360.1	143.3	75.2	39.5	21.0
-12.5°	1595.2	1246.5	1060.2	899.4	697.0	527.3	346.2	154.0	82.9	42.9	22.4
-15°	1558.1	1235.7	1063.4	877.4	676.1	510.2	329.7	161.2	89.5	46.2	23.5
-17.5°	1467.5	1209.6	1060.7	844.7	648.8	490.6	311.4	166.1	94.4	49.4	25.1
-20°	1329.8	1149.6	1046.2	800.5	614.9	468.9	291.9	168.3	97.4	51.5	26.9



REPORT NUMBER: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1201.1	1077.3	961.6	756.9	579.6	445.4	271.8	167.8	98.3	52.3	28.2
-25°	1071.6	1009.9	874.9	699.5	548.8	415.7	260.4	164.4	97.0	51.8	28.9
-27.5°	984.5	939.2	795.7	640.3	510.9	387.5	255.2	162.5	94.5	49.8	28.9
-30°	920.6	854.3	726.4	583.7	469.2	349.1	246.3	157.7	92.2	48.7	28.3
-32.5°	882.0	782.1	658.2	534.9	424.2	310.2	226.8	149.8	87.7	48.0	27.9
-35°	827.7	715.2	590.8	482.2	378.6	281.4	202.7	138.7	81.2	46.3	27.1
-37.5°	769.2	645.4	530.1	429.0	332.7	250.2	180.8	122.4	72.4	43.6	25.8
-40°	689.4	575.4	470.1	379.0	293.6	216.8	157.6	107.1	66.6	39.8	24.0
-42.5°	606.4	508.4	416.2	330.0	254.7	189.7	133.9	91.2	59.8	36.5	21.6
-45°	532.5	443.8	363.3	287.3	215.2	161.7	115.5	75.7	52.2	33.2	19.5
-47.5°	459.9	385.2	313.4	243.7	183.9	134.7	96.4	66.5	44.1	29.1	18.3
-50°	396.0	329.5	266.2	206.5	152.5	113.2	78.9	56.8	38.3	24.0	16.9
-52.5°	340.4	279.0	222.4	169.7	127.4	91.0	67.4	46.7	32.0	21.0	15.4
-55°	288.1	230.4	179.7	138.4	102.8	75.8	55.2	39.0	25.2	18.8	13.8
-57.5°	235.5	182.0	144.0	109.8	83.3	62.0	44.6	30.8	21.6	16.5	13.5
-60°	183.0	144.8	111.2	87.7	67.1	49.0	34.6	23.8	18.8	14.5	13.1
-62.5°	140.2	109.4	88.3	68.8	51.7	37.1	25.4	20.4	15.8	13.9	12.6
-65°	105.2	85.2	66.8	51.2	37.0	26.4	21.3	16.8	14.7	13.4	12.1
-67.5°	76.6	61.2	46.6	33.4	26.4	21.4	17.0	15.2	14.0	12.8	11.6
-70°	50.9	37.9	30.0	24.8	20.2	16.6	15.5	14.5	13.4	12.3	11.1
-72.5°	31.6	26.3	21.6	17.7	16.4	15.4	14.5	13.7	12.7	11.7	10.6
-75°	19.9	18.1	16.8	15.7	14.8	14.0	13.6	13.0	12.0	11.0	10.4
-77.5°	16.0	15.1	14.2	13.8	13.4	13.1	12.7	12.2	11.4	10.7	10.3
-80°	13.1	12.8	12.7	12.7	12.4	12.1	11.8	11.4	10.9	10.4	10.2
-82.5°	10.7	11.0	11.3	11.5	11.3	11.1	10.9	10.6	10.3	10.1	9.9
-85°	9.3	9.7	10.1	10.4	10.2	10.1	9.9	9.8	9.6	9.5	9.3
-87.5°	7.9	8.4	8.8	9.2	9.2	9.1	9.0	8.9	8.9	8.8	8.7
-90°	6.0	6.0	6.0	6.0	6.5	7.1	7.6	8.1	8.1	8.1	8.1



REPORT NUMBER: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
85°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
75°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
72.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
70°	8.2	8.1	8.1	8.1	8.1	8.1	8.1
67.5°	8.6	8.1	8.1	8.1	8.1	8.1	8.1
65°	9.1	8.3	8.1	8.1	8.1	8.1	8.1
62.5°	9.6	8.7	8.1	8.1	8.1	8.1	8.1
60°	10.0	9.1	8.1	8.1	8.1	8.1	8.1
57.5°	10.1	9.4	8.4	8.1	8.1	8.1	8.1
55°	10.1	9.8	8.7	8.1	8.1	8.1	8.1
52.5°	10.1	10.1	9.0	8.1	8.1	8.1	8.1
50°	10.1	10.1	9.2	8.1	8.1	8.1	8.1
47.5°	10.1	10.1	9.5	8.1	8.1	8.1	8.1
45°	10.1	10.1	9.7	8.3	8.1	8.1	8.1
42.5°	10.1	10.1	10.0	8.5	8.1	8.1	8.1
40°	10.1	10.1	10.1	8.7	8.1	8.1	8.1
37.5°	10.1	10.1	10.1	8.8	8.1	8.1	8.1
35°	10.1	10.1	10.1	8.9	8.1	8.1	8.1
32.5°	10.2	10.1	10.1	9.0	8.1	8.1	8.1
30°	10.4	10.1	10.1	9.0	8.1	8.1	8.1
27.5°	10.6	10.1	10.0	9.0	8.1	8.1	8.1
25°	10.8	10.1	10.0	9.0	8.1	8.1	8.1
22.5°	11.1	10.1	10.0	9.0	8.1	8.1	8.1
20°	11.3	10.1	9.9	8.9	8.1	8.1	8.1
17.5°	11.5	10.1	10.0	8.9	8.1	8.1	8.1
15°	11.7	10.1	10.0	8.8	8.1	8.1	8.1
12.5°	11.8	10.1	10.0	8.7	8.1	8.1	8.1
10°	11.9	10.1	10.0	8.6	8.1	8.1	8.1
7.5°	12.0	10.1	10.0	8.5	8.1	8.1	8.1
5°	12.1	10.1	10.1	8.4	8.1	8.1	8.1
2.5°	12.1	10.1	10.1	8.2	8.1	8.1	8.1
0°	12.1	10.1	10.1	8.1	8.1	8.1	8.1
-2.5°	12.9	10.5	10.1	8.2	8.1	8.1	8.1
-5°	13.6	11.0	10.1	8.4	8.1	8.1	8.1
-7.5°	14.4	11.4	10.0	8.5	8.1	8.1	8.1
-10°	15.0	11.7	10.0	8.6	8.1	8.1	8.1
-12.5°	15.6	12.0	10.0	8.7	8.1	8.1	8.1
-15°	16.1	12.3	10.0	8.8	8.1	8.1	8.1
-17.5°	16.5	12.4	10.0	8.9	8.1	8.1	8.1
-20°	17.1	12.5	9.9	8.9	8.1	8.1	8.1



REPORT NUMBER: P731635 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.7	12.5	10.0	9.0	8.1	8.1	8.1
-25°	18.0	12.4	10.0	9.0	8.1	8.1	8.1
-27.5°	18.0	12.3	10.0	9.0	8.1	8.1	8.1
-30°	17.7	12.1	10.1	9.0	8.1	8.1	8.1
-32.5°	17.1	11.8	10.2	9.0	8.1	8.1	8.1
-35°	16.5	11.4	10.3	8.9	8.1	8.1	8.1
-37.5°	16.0	11.2	10.4	8.8	8.1	8.1	8.1
-40°	15.4	11.2	10.4	8.7	8.1	8.1	8.1
-42.5°	14.6	11.3	10.3	8.5	8.1	8.1	8.1
-45°	13.8	11.3	10.2	8.4	8.1	8.1	8.1
-47.5°	12.8	11.3	10.0	8.3	8.1	8.1	8.1
-50°	12.5	11.2	9.8	8.3	8.1	8.1	8.1
-52.5°	12.4	11.1	9.5	8.3	8.1	8.1	8.1
-55°	12.2	10.9	9.3	8.3	8.1	8.1	8.1
-57.5°	12.0	10.6	9.1	8.4	8.1	8.1	8.1
-60°	11.7	10.2	8.8	8.4	8.1	8.1	8.1
-62.5°	11.3	9.9	8.9	8.4	8.1	8.1	8.1
-65°	10.9	9.6	8.9	8.5	8.1	8.1	8.1
-67.5°	10.4	9.4	9.0	8.5	8.1	8.1	8.1
-70°	10.0	9.5	9.0	8.5	8.1	8.1	8.1
-72.5°	10.0	9.5	9.0	8.5	8.1	8.1	8.1
-75°	10.0	9.5	9.0	8.4	8.1	8.1	8.1
-77.5°	10.0	9.5	8.9	8.4	8.1	8.1	8.1
-80°	10.1	9.4	8.8	8.3	8.1	8.1	8.1
-82.5°	9.6	9.1	8.6	8.3	8.1	8.1	8.1
-85°	9.1	8.7	8.4	8.2	8.1	8.1	8.1
-87.5°	8.6	8.4	8.3	8.2	8.1	8.1	8.1
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1

(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

