

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: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-80-4S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-25)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-40-80-4S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

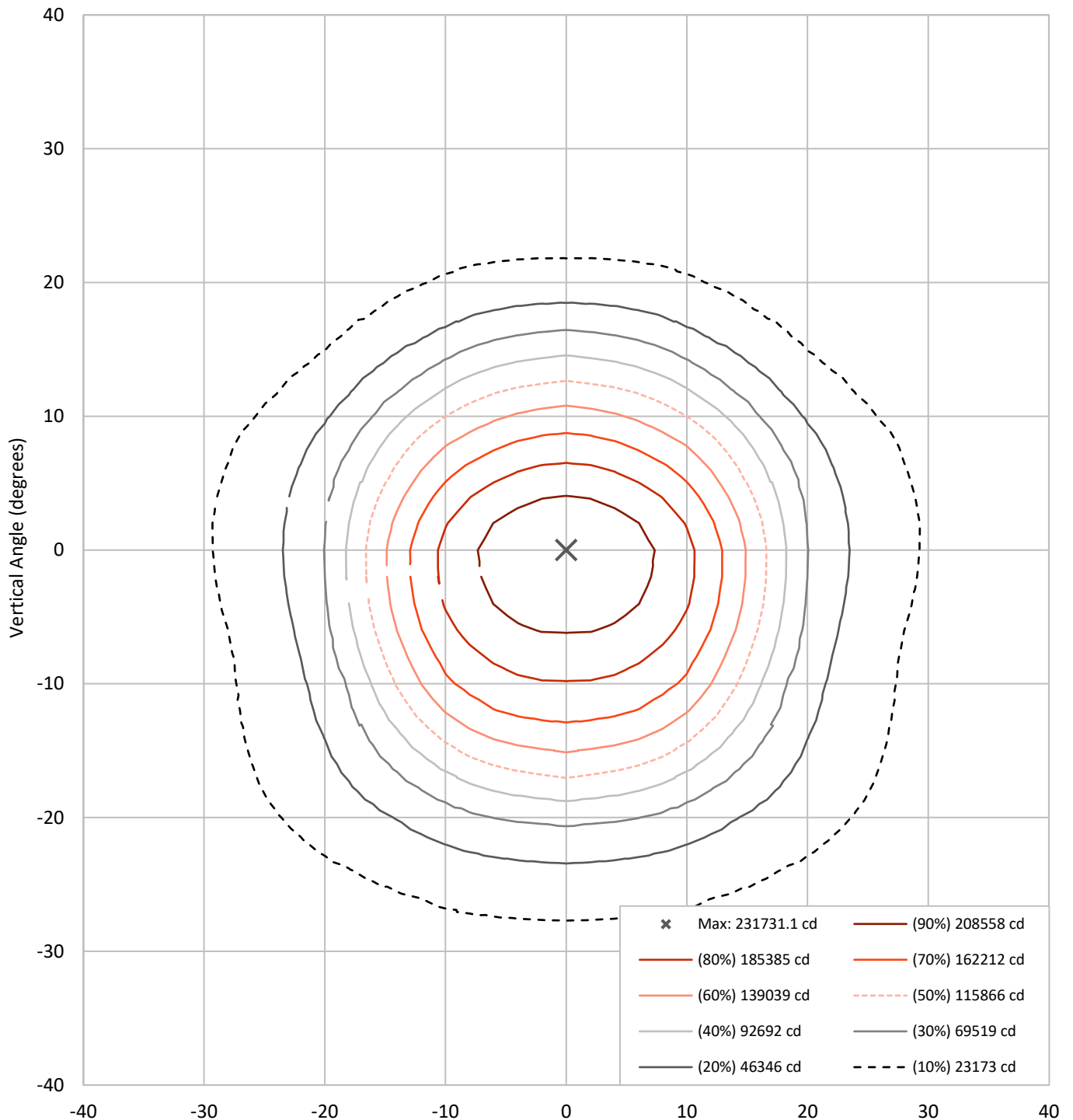
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	74164.4 lumens	Max Intensity:	231731.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	106.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.2°H x 29.7°V	Field Angle (10%):	58.6°H x 49.3°V
Beam Lumens:	40696.4 lumens	Field Lumens:	65204.5 lumens
Beam Efficiency:	54.9%	Field Efficiency:	87.9%

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: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV2

Iso-Candela Plot





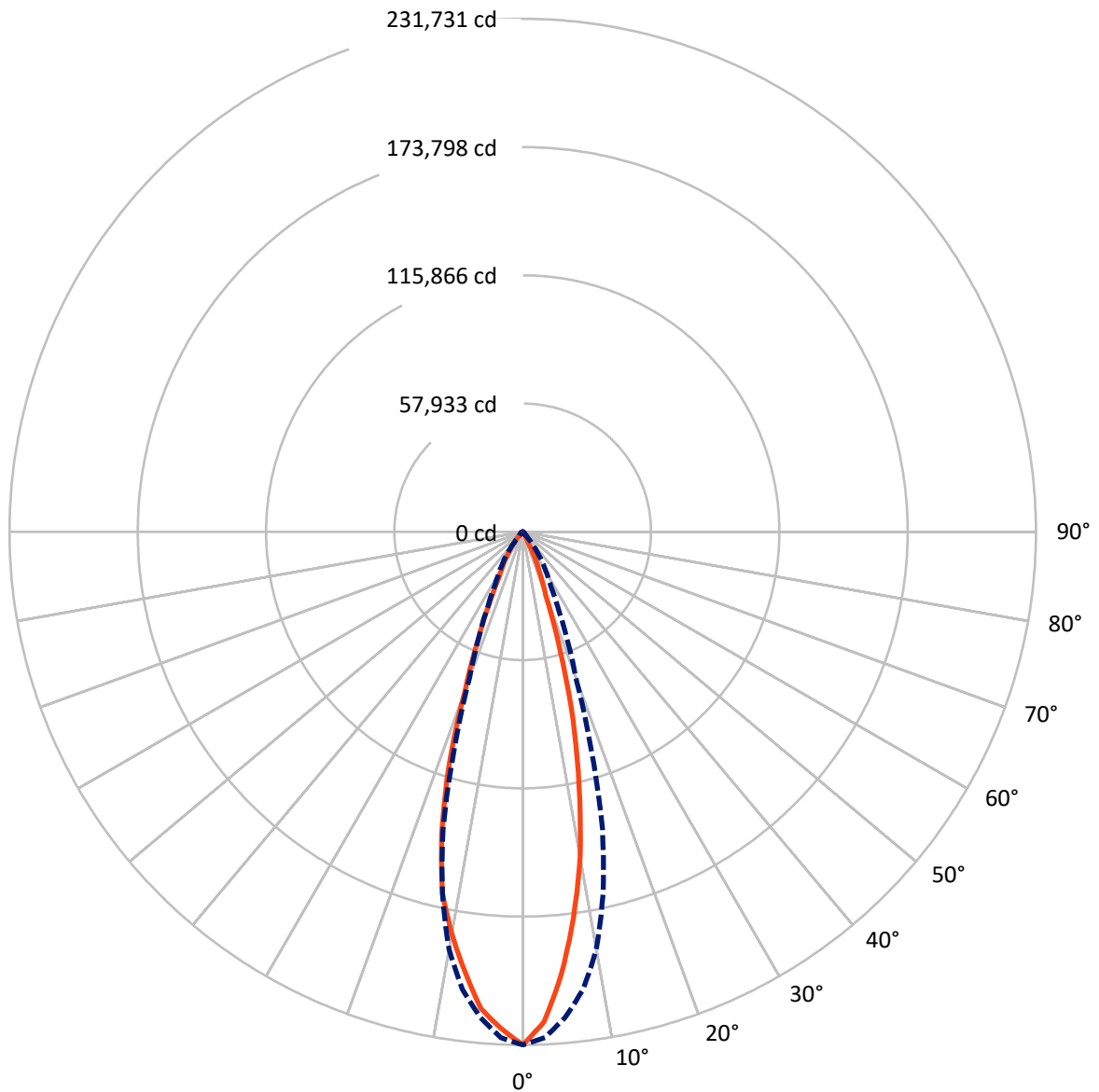
REPORT NUMBER: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV2

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	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.2				
70	0.2	0.1	0.2	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.2	0.1	0.2
60		0.1	0.3	0.8	0.8	0.4	0.3	0.4	0.4	0.3	0.4	0.8	0.8	0.3	0.1	
50	0.2	0.2	0.4	0.6	0.7	0.9	1.2	1.4	1.4	1.2	0.9	0.7	0.6	0.4	0.2	0.2
40		0.2	0.8	1.8	3.1	7.0	14.0	19.3	19.3	14.0	7.0	3.1	1.8	0.8	0.2	
30	0.2	0.4	2.7	7.3	27.2	98.9	234.2	396.2	396.2	234.2	98.9	27.2	7.3	2.7	0.4	0.2
20		0.9	6.1	19.5	120.1	415.7	1275.7	2410.2	2410.2	1275.7	415.7	120.1	19.5	6.1	0.9	
10	0.3	1.7	10.4	36.9	279.7	996.1	3304.1	5582.7	5582.7	3304.1	996.1	279.7	36.9	10.4	1.7	0.3
0		2.8	13.8	43.7	291.5	1027.2	3708.4	6129.1	6129.1	3708.4	1027.2	291.5	43.7	13.8	2.8	
-10	0.5	3.3	14.1	37.7	227.4	757.2	2214.7	3869.2	3869.2	2214.7	757.2	227.4	37.7	14.1	3.3	0.5
-20		3.0	12.1	25.9	98.3	359.3	748.0	1119.5	1119.5	748.0	359.3	98.3	25.9	12.1	3.0	
-30	0.4	2.4	9.2	18.0	33.8	97.1	220.4	311.3	311.3	220.4	97.1	33.8	18.0	9.2	2.4	0.4
-40		1.5	6.2	13.6	22.2	33.7	49.4	64.7	64.7	49.4	33.7	22.2	13.6	6.2	1.5	
-50	0.3	0.7	3.3	9.0	16.4	23.7	30.4	34.5	34.5	30.4	23.7	16.4	9.0	3.3	0.7	0.3
-60		0.3	1.2	3.7	7.9	13.7	19.7	23.1	23.1	19.7	13.7	7.9	3.7	1.2	0.3	
-70	0.2	0.8	2.9	7.8	11.0	7.8	2.9	0.8	0.2							0.2
-80		0.2	0.8	2.9	7.8	11.0	7.8	2.9	0.8	0.2						
-90	0.2	0.8	2.9	7.8	11.0	7.8	2.9	0.8	0.2							0.2

REPORT NUMBER: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV2

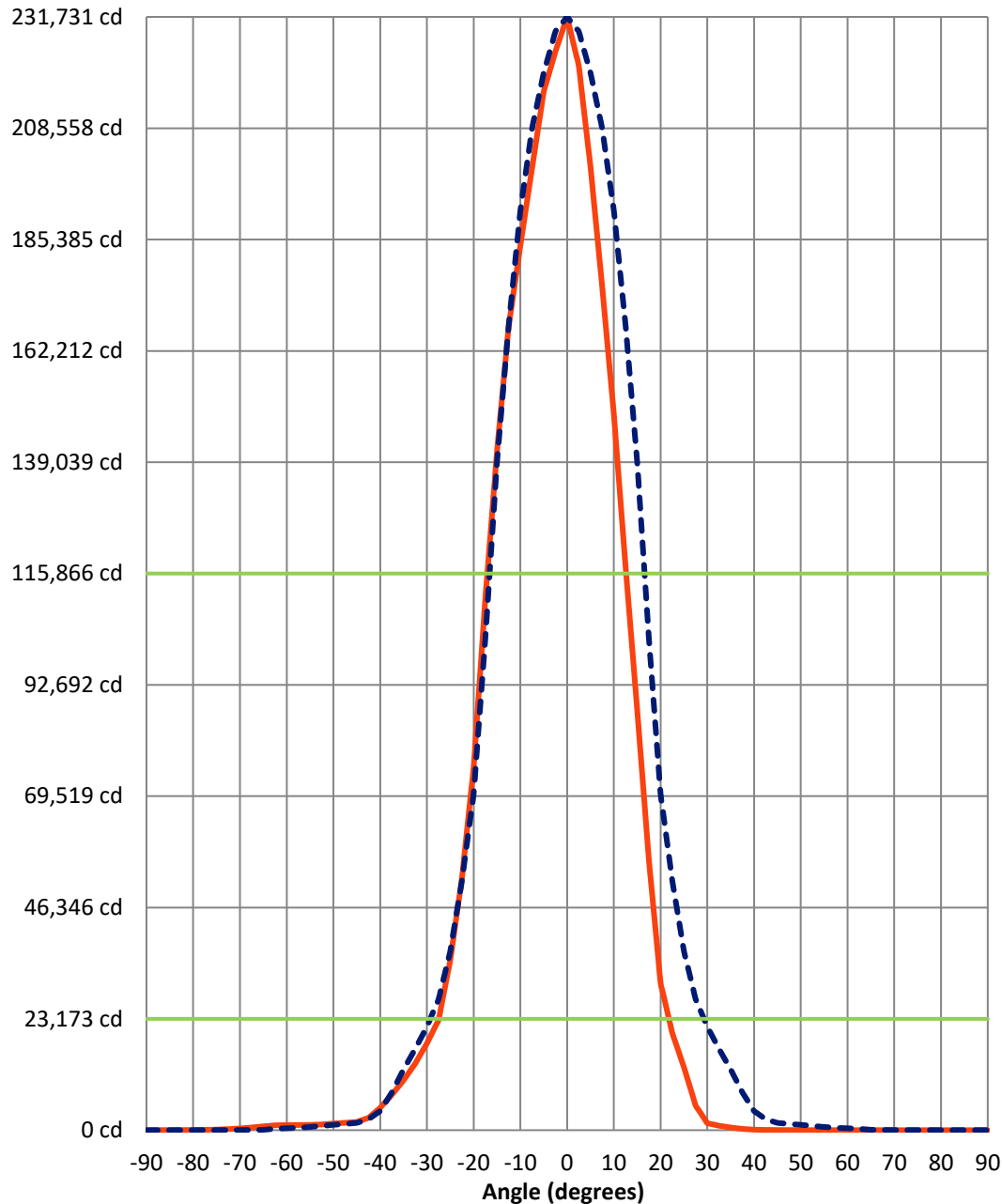
Luminous Intensity Polar Plot



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

REPORT NUMBER: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV2

Luminous Intensity Plot



Beam:
 H Angle: 33.2°
 V Angle: 29.7°
 Lumens: 40696.4
 Efficiency: 54.9%

Field:
 H Angle: 58.6°
 V Angle: 49.3°
 Lumens: 65204.5
 Efficiency: 87.9%

Spill:
 Lumens: 8960
 Efficiency: 12.1%

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



REPORT NUMBER: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV2

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
82.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.2
80°	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.5	8.6	8.5	8.2
77.5°	8.2	8.2	8.2	8.2	8.2	8.3	8.8	9.0	9.0	8.7	8.3
75°	8.2	8.2	8.2	8.2	8.3	8.8	9.3	9.5	9.3	8.8	8.4
72.5°	8.2	8.2	8.2	8.2	8.6	9.2	9.8	9.9	9.4	8.9	8.4
70°	8.2	8.2	8.2	8.2	8.9	9.6	10.2	9.9	9.4	9.0	9.0
67.5°	8.2	8.2	8.2	8.5	9.2	10.0	10.2	10.0	9.5	9.4	9.7
65°	8.2	8.2	8.2	8.7	9.6	10.2	10.2	10.0	9.8	9.9	10.2
62.5°	8.2	8.2	8.2	9.0	9.9	10.2	10.2	10.1	10.0	10.2	10.2
60°	8.2	8.2	8.2	9.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
57.5°	8.2	8.2	8.3	9.4	10.2	10.2	10.2	10.2	10.2	10.2	10.2
55°	8.2	8.2	8.5	9.6	10.2	10.2	10.2	10.2	10.2	10.2	10.2
52.5°	8.2	8.2	8.6	9.8	10.2	10.2	10.2	10.2	10.2	10.2	10.2
50°	8.2	8.2	8.8	10.1	10.2	10.2	10.2	10.2	10.2	10.2	11.1
47.5°	8.2	8.2	8.9	10.2	10.2	10.2	10.2	10.2	10.2	10.2	12.0
45°	8.2	8.2	9.0	10.2	10.2	10.2	10.2	10.2	10.3	10.9	12.8
42.5°	8.2	8.2	9.1	10.2	10.2	10.2	10.2	10.3	10.4	11.4	13.3
40°	8.2	8.2	9.3	10.2	10.2	10.2	10.2	10.4	10.7	11.9	13.7
37.5°	8.2	8.2	9.4	10.2	10.2	10.2	10.2	10.7	11.3	12.6	14.1
35°	8.2	8.2	9.5	10.2	10.2	10.2	10.2	10.9	11.9	13.2	14.5
32.5°	8.2	8.2	9.6	10.2	10.2	10.2	10.3	11.2	12.5	13.9	15.5
30°	8.2	8.2	9.7	10.2	10.2	10.2	10.5	11.5	13.0	14.4	16.8
27.5°	8.2	8.2	9.7	10.2	10.2	10.2	10.7	12.0	13.5	15.0	18.4
25°	8.2	8.2	9.8	10.2	10.2	10.2	11.0	12.4	14.0	16.0	20.4
22.5°	8.2	8.2	9.9	10.2	10.2	10.2	11.2	12.8	14.5	17.5	24.7
20°	8.2	8.2	10.0	10.2	10.2	10.4	11.5	13.2	14.9	19.0	29.0
17.5°	8.2	8.2	10.0	10.2	10.2	10.6	11.8	13.5	15.3	20.7	33.4
15°	8.2	8.2	10.1	10.2	10.2	10.8	12.0	13.9	15.7	22.4	37.7
12.5°	8.2	8.2	10.1	10.2	10.2	11.0	12.1	14.3	16.8	24.2	42.0
10°	8.2	8.2	10.1	10.2	10.2	11.3	12.2	14.7	18.6	28.2	47.9
7.5°	8.2	8.2	10.2	10.2	10.2	11.5	12.3	15.2	20.6	32.5	57.6
5°	8.2	8.2	10.2	10.2	10.2	11.8	12.3	15.6	22.6	36.8	67.4
2.5°	8.2	8.2	10.2	10.2	10.2	12.1	12.3	16.0	24.7	41.0	76.9
0°	8.2	8.2	10.2	10.2	10.2	12.3	12.3	16.3	26.6	45.0	85.8
-2.5°	8.2	8.2	10.2	10.2	10.2	12.3	13.4	19.5	34.3	59.6	111.0
-5°	8.2	8.2	10.2	10.2	10.2	12.3	14.4	22.5	41.6	73.5	134.8
-7.5°	8.2	8.2	10.2	10.2	10.2	12.2	15.4	25.4	48.3	86.3	156.5
-10°	8.2	8.2	10.1	10.2	10.2	12.1	16.2	27.9	54.3	97.8	175.6
-12.5°	8.2	8.2	10.1	10.2	10.2	12.0	16.9	30.0	59.2	107.5	188.1
-15°	8.2	8.2	10.1	10.2	10.2	11.9	17.4	31.6	63.4	115.0	196.3
-17.5°	8.2	8.2	10.0	10.2	10.2	11.8	17.6	33.3	66.8	120.5	201.8
-20°	8.2	8.2	10.0	10.2	10.2	11.7	18.0	35.0	68.7	123.9	204.4



REPORT NUMBER: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.2	8.2	9.9	10.2	10.2	11.5	18.8	36.1	69.2	125.0	203.9
-25°	8.2	8.2	9.8	10.2	10.2	11.6	19.1	36.5	68.0	123.7	200.3
-27.5°	8.2	8.2	9.7	10.2	10.2	11.8	19.0	36.2	65.1	120.8	198.2
-30°	8.2	8.2	9.7	10.2	10.2	11.9	18.5	35.1	63.2	117.3	193.0
-32.5°	8.2	8.2	9.6	10.2	10.3	11.7	17.5	34.3	61.8	111.4	184.4
-35°	8.2	8.2	9.5	10.2	10.4	11.5	17.0	33.1	59.4	103.0	172.2
-37.5°	8.2	8.2	9.4	10.2	10.5	11.3	16.7	31.2	55.9	92.1	153.4
-40°	8.2	8.2	9.3	10.2	10.5	11.4	16.2	28.5	51.3	84.9	135.0
-42.5°	8.2	8.2	9.1	10.2	10.6	11.4	15.3	25.1	46.9	76.8	115.7
-45°	8.2	8.2	9.0	10.3	10.6	11.4	14.3	22.2	42.2	67.8	96.9
-47.5°	8.2	8.2	8.9	10.3	10.7	11.4	13.0	20.6	36.5	58.2	86.1
-50°	8.2	8.2	8.8	10.2	10.8	11.4	12.7	18.7	29.4	50.1	74.6
-52.5°	8.2	8.2	8.6	10.0	10.8	11.3	12.5	16.4	25.0	41.3	62.6
-55°	8.2	8.2	8.5	9.9	10.9	11.3	12.4	14.0	21.6	31.9	51.8
-57.5°	8.2	8.2	8.3	9.7	10.9	11.4	12.1	13.7	17.9	26.3	40.3
-60°	8.2	8.2	8.2	9.5	11.0	11.4	11.9	13.3	14.7	21.5	30.3
-62.5°	8.2	8.2	8.2	9.3	10.7	11.5	12.0	12.8	14.1	16.4	24.2
-65°	8.2	8.2	8.2	9.1	10.4	11.5	12.0	12.5	13.6	14.9	17.9
-67.5°	8.2	8.2	8.2	8.9	10.1	11.4	12.1	12.5	13.0	14.2	15.4
-70°	8.2	8.2	8.2	8.7	9.8	11.0	12.1	12.4	12.8	13.6	14.7
-72.5°	8.2	8.2	8.2	8.6	9.5	10.6	11.7	12.3	12.6	13.1	14.0
-75°	8.2	8.2	8.2	8.5	9.2	10.2	11.2	11.8	12.3	12.7	13.2
-77.5°	8.2	8.2	8.2	8.5	9.0	9.8	10.7	11.2	11.7	12.1	12.5
-80°	8.2	8.2	8.2	8.4	8.9	9.5	10.2	10.6	11.0	11.3	11.6
-82.5°	8.2	8.2	8.2	8.4	8.7	9.2	9.7	10.0	10.2	10.5	10.8
-85°	8.2	8.2	8.2	8.3	8.5	8.8	9.2	9.4	9.6	9.7	9.9
-87.5°	8.2	8.2	8.2	8.3	8.4	8.5	8.7	8.8	8.9	9.0	9.0
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2



REPORT NUMBER: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.7	7.2	6.6
87.5°	7.7	7.2	6.6	6.1	6.1	6.1	6.1	6.1	5.6	5.1	4.6
85°	7.7	7.2	6.8	6.4	6.4	6.4	6.3	6.1	5.8	5.6	5.5
82.5°	7.9	7.7	7.6	7.6	7.4	7.1	6.7	6.2	6.1	6.1	6.1
80°	8.1	8.2	8.2	8.2	7.8	7.2	6.7	6.2	6.1	6.2	6.2
77.5°	8.2	8.2	8.2	8.2	7.8	7.5	7.3	7.3	7.3	7.1	6.7
75°	8.2	8.2	8.3	8.3	8.1	8.1	8.2	8.2	7.9	7.4	6.8
72.5°	8.5	8.8	8.7	8.4	8.2	8.2	8.2	8.2	8.4	8.5	8.4
70°	9.3	9.4	9.0	8.5	8.2	8.5	9.6	10.7	11.4	11.4	11.8
67.5°	10.1	9.6	9.1	8.9	9.8	11.1	12.3	13.9	15.6	16.2	17.0
65°	10.1	9.7	9.7	10.6	12.1	13.7	15.5	17.6	22.0	24.7	26.0
62.5°	10.2	10.1	10.7	12.2	14.3	16.2	19.4	24.4	31.0	35.7	35.9
60°	10.2	10.4	12.0	14.2	16.4	19.1	23.8	31.4	41.4	49.0	44.7
57.5°	10.2	11.4	13.8	16.0	18.2	21.3	28.6	38.4	48.6	59.4	50.8
55°	10.7	13.0	15.3	17.3	20.1	24.1	31.7	40.9	52.2	55.2	45.4
52.5°	12.1	14.4	16.2	18.6	22.2	26.0	31.3	39.3	42.9	43.7	37.7
50°	13.3	15.1	16.9	19.8	23.5	26.6	28.2	33.0	34.4	32.7	29.4
47.5°	14.0	15.7	17.5	20.7	24.3	27.0	27.1	27.3	26.8	26.4	21.7
45°	14.6	16.3	18.1	21.7	25.5	27.9	26.6	22.8	25.9	25.0	23.9
42.5°	15.1	16.9	19.9	22.7	27.8	29.3	27.2	28.1	29.0	30.2	30.7
40°	15.6	17.5	22.4	27.9	30.8	31.5	34.8	37.4	36.2	39.6	41.7
37.5°	16.0	20.3	27.1	37.2	34.0	38.5	44.8	55.0	55.4	52.2	60.0
35°	16.4	23.4	38.6	49.5	46.9	49.5	66.4	79.7	83.8	79.3	84.3
32.5°	18.4	27.0	53.0	64.4	70.9	74.2	93.4	113.5	128.7	131.6	119.3
30°	22.2	40.1	69.5	82.4	101.3	119.7	133.0	157.3	188.5	212.9	222.9
27.5°	27.1	56.2	86.8	110.0	138.9	170.2	193.2	223.6	274.4	318.1	354.0
25°	32.3	78.0	106.1	143.8	186.8	227.3	262.6	313.4	380.7	453.1	579.0
22.5°	44.0	102.8	135.1	181.1	237.8	288.6	347.4	419.5	505.8	605.2	838.7
20°	63.0	127.3	170.0	222.7	292.7	352.9	435.7	527.9	645.5	857.5	1254.1
17.5°	83.2	153.6	205.9	271.9	358.8	434.8	527.7	635.5	791.2	1130.5	1911.6
15°	104.3	181.2	240.0	324.0	431.0	539.5	651.7	769.0	991.8	1516.8	2748.9
12.5°	125.6	209.6	272.5	377.9	507.6	648.8	782.7	931.8	1254.1	2180.7	3989.2
10°	146.5	238.2	303.1	432.3	586.6	760.5	912.5	1088.1	1526.7	2782.1	5098.3
7.5°	181.0	275.4	335.9	485.9	666.0	872.3	1039.9	1237.1	1793.0	3306.3	6119.8
5°	217.4	321.2	388.2	551.5	744.4	971.9	1155.0	1377.5	2045.1	3747.3	7078.1
2.5°	252.3	365.1	439.2	614.5	817.9	1049.2	1228.2	1456.1	2180.0	3953.4	7669.9
0°	284.1	406.7	488.4	672.3	884.9	1117.8	1293.6	1524.5	2262.2	3993.1	7859.6
-2.5°	322.6	452.3	539.3	718.3	921.5	1158.1	1335.1	1576.4	2347.3	4216.5	7893.9
-5°	355.7	494.5	587.8	759.2	952.2	1189.6	1369.8	1617.0	2387.0	4318.1	7728.0
-7.5°	382.5	533.2	633.7	791.6	968.1	1195.9	1382.4	1623.6	2359.3	4265.7	7388.3
-10°	398.6	549.4	644.8	791.1	962.9	1182.6	1382.6	1617.8	2279.6	4048.6	6911.4
-12.5°	386.9	545.0	646.8	785.1	953.1	1160.2	1372.8	1599.2	2143.9	3647.7	6353.3
-15°	372.4	537.6	645.5	773.6	939.0	1128.8	1352.3	1567.7	1932.4	3026.0	5664.0
-17.5°	355.9	527.6	640.5	756.6	921.1	1088.4	1310.8	1485.4	1713.6	2578.3	4869.4
-20°	337.9	515.0	631.9	734.0	899.3	1030.1	1213.1	1392.9	1601.0	2192.5	3800.6



REPORT NUMBER: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	319.1	500.0	617.4	719.3	843.6	963.0	1110.2	1286.4	1477.2	1713.2	2663.8
-25°	308.1	471.7	596.7	685.3	783.4	894.5	1004.7	1167.3	1347.9	1538.0	2038.3
-27.5°	302.4	444.4	562.9	651.2	725.3	826.0	919.7	1049.5	1216.9	1379.4	1538.0
-30°	292.6	405.7	528.3	616.0	683.2	762.5	843.2	948.5	1097.1	1239.8	1371.2
-32.5°	271.5	366.4	485.8	576.7	645.9	703.7	783.5	877.6	991.8	1115.8	1221.5
-35°	245.6	335.4	440.0	537.6	609.1	663.9	735.7	814.8	898.7	1006.1	1132.7
-37.5°	221.6	301.8	394.4	493.7	566.9	633.6	688.8	759.9	832.4	911.9	1038.5
-40°	195.7	265.5	353.2	444.5	529.2	598.3	655.7	708.9	772.2	851.7	936.3
-42.5°	168.8	235.0	310.9	396.2	481.3	555.8	620.8	669.9	724.0	792.5	867.8
-45°	146.5	202.8	267.7	348.4	428.6	507.1	573.4	635.3	687.2	737.6	802.6
-47.5°	123.3	171.1	230.8	299.6	375.9	449.5	521.4	589.7	655.7	702.8	742.6
-50°	102.0	144.9	193.6	256.7	323.2	392.2	459.4	539.5	609.3	668.8	715.1
-52.5°	88.5	117.8	162.5	214.3	274.2	336.1	402.6	476.2	552.0	622.6	676.8
-55°	74.1	99.3	131.0	175.8	226.6	282.8	345.0	412.5	481.4	552.3	621.7
-57.5°	60.3	82.7	106.9	138.1	182.1	230.2	287.2	347.1	410.5	474.9	539.1
-60°	46.4	66.0	87.8	110.6	137.5	180.8	227.9	280.7	337.1	394.9	452.7
-62.5°	33.1	49.2	68.3	89.0	110.3	133.8	171.8	215.7	261.3	309.3	359.6
-65°	25.7	34.1	48.3	66.4	85.9	106.4	129.0	153.8	191.7	228.9	264.3
-67.5°	18.0	25.8	33.4	42.8	59.5	77.1	96.1	116.6	138.6	160.3	185.8
-70°	16.1	18.2	24.3	31.1	37.7	46.3	61.8	78.4	95.4	111.9	130.0
-72.5°	15.1	16.7	18.9	21.6	27.0	32.4	37.7	42.8	52.8	66.3	79.7
-75°	14.0	15.1	16.6	18.5	20.7	23.0	25.7	30.2	34.4	38.4	42.5
-77.5°	13.0	13.7	14.6	15.6	16.9	18.6	20.5	22.5	24.2	25.8	27.5
-80°	12.0	12.3	12.8	13.4	14.2	15.1	16.1	17.2	18.0	18.9	20.0
-82.5°	11.0	11.2	11.5	11.7	11.8	12.1	12.4	13.0	13.6	14.1	14.6
-85°	10.0	10.2	10.4	10.5	10.3	10.1	10.0	9.9	10.1	10.4	10.6
-87.5°	9.1	9.2	9.3	9.3	9.1	8.8	8.5	8.2	8.1	8.0	7.9
-90°	7.7	7.2	6.6	6.1	6.1	6.1	6.1	6.1	5.6	5.1	4.6



REPORT NUMBER: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.1	6.1	6.1	6.1	6.1	7.1	8.2	9.2	10.2	11.2	12.3
87.5°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.5	2.0	2.0	2.0
85°	5.4	5.1	4.8	4.5	4.1	4.0	4.0	4.0	4.0	3.5	3.0
82.5°	6.1	5.6	5.1	4.6	4.1	4.1	4.1	4.1	4.1	3.6	3.1
80°	6.1	5.7	5.2	4.7	4.2	4.1	4.1	4.1	4.1	3.6	3.1
77.5°	6.2	5.8	5.5	5.3	5.2	5.1	4.9	4.5	4.2	3.6	3.1
75°	6.3	6.2	6.3	6.3	6.2	5.7	5.2	4.7	4.2	4.0	4.0
72.5°	8.0	7.7	7.6	7.8	7.7	7.5	7.1	6.6	5.9	5.8	5.9
70°	12.0	12.2	12.3	12.1	11.4	10.5	9.7	8.8	8.0	7.8	7.9
67.5°	18.1	18.4	17.8	16.5	14.4	12.5	11.7	10.9	10.0	9.8	9.9
65°	26.1	24.1	22.0	19.7	17.0	14.1	13.3	12.5	11.9	12.0	12.6
62.5°	33.7	27.5	22.1	18.7	16.1	14.1	13.2	12.3	11.4	11.0	11.4
60°	37.0	26.2	19.1	16.9	14.8	12.6	11.4	10.4	9.5	9.0	9.3
57.5°	37.1	25.7	17.7	15.1	12.8	10.9	9.9	9.3	8.7	8.3	8.8
55°	33.0	22.8	15.0	12.9	11.6	10.7	10.1	10.0	9.8	9.5	9.9
52.5°	26.6	19.1	14.0	12.1	12.1	12.2	12.1	12.1	12.3	12.7	13.2
50°	21.1	16.3	14.8	13.9	14.4	14.5	14.2	15.0	16.0	16.7	17.2
47.5°	19.3	17.8	17.9	17.5	18.2	19.6	19.9	20.5	22.1	23.1	23.8
45°	21.5	23.1	24.1	25.7	26.7	29.1	29.9	29.9	33.3	35.6	36.8
42.5°	30.1	32.7	35.9	39.1	40.8	43.8	46.8	48.5	53.6	57.6	59.2
40°	45.4	47.0	53.7	57.8	60.9	64.6	74.1	80.4	90.2	108.6	121.9
37.5°	66.8	71.7	75.7	81.6	94.4	100.7	131.0	158.4	177.2	222.9	248.7
35°	97.8	111.3	106.6	132.8	165.1	205.8	250.0	315.9	368.1	429.8	486.8
32.5°	153.4	186.2	217.9	248.3	321.1	437.7	440.9	564.1	646.7	746.7	834.7
30°	242.6	358.7	504.8	553.2	757.8	986.6	923.1	1112.2	1299.7	1411.2	1796.1
27.5°	478.8	740.4	1030.7	1399.3	1780.7	2174.1	2434.5	2525.7	3474.0	4171.3	5078.9
25°	819.3	1278.3	2088.9	2686.1	3355.9	4229.3	4734.0	5413.2	6995.0	8966.1	10497.2
22.5°	1305.8	2107.7	3178.7	4082.4	5086.3	6263.5	7328.2	8956.6	11416.3	14106.9	16395.9
20°	1850.9	2884.8	4241.9	5595.8	6911.7	8445.9	10298.3	13623.7	17424.3	21641.8	25454.7
17.5°	2856.6	3873.3	5611.2	7462.1	9331.9	11179.7	15253.3	20178.2	26127.8	32377.1	37927.7
15°	4293.8	5939.3	7663.1	10110.5	13222.5	16773.6	21932.7	30570.7	39810.9	49564.0	61191.3
12.5°	6169.3	8554.9	11140.7	13974.4	18193.8	24676.3	33234.5	43778.0	57004.1	71636.4	88181.5
10°	8083.2	11523.8	15084.8	19131.8	24693.0	33042.9	44095.2	57296.7	78096.7	98597.8	115865.6
7.5°	9639.4	13649.1	18141.9	23517.8	30766.3	40940.2	54598.4	73677.7	98482.9	122875.6	142193.3
5°	11099.4	15504.1	20181.3	25674.0	34412.7	46681.4	63129.9	86934.1	116609.3	142551.3	163251.2
2.5°	12158.4	16785.3	21624.1	27213.0	37175.8	50171.5	68230.0	97757.5	131913.6	158492.8	182227.4
0°	12627.2	16908.5	21537.2	27271.5	37266.6	51951.7	69998.5	102327.9	138997.8	167572.0	191413.4
-2.5°	12046.0	16202.4	20979.0	26580.9	36600.4	50707.4	69349.2	101813.2	138609.2	167588.0	191093.5
-5°	11431.0	15371.4	19805.5	24983.8	34120.0	47237.1	66256.8	97275.0	132584.8	161718.5	184647.9
-7.5°	10775.5	14381.9	18348.9	22994.8	31100.2	43722.6	61383.7	87563.1	120568.2	150231.4	171796.5
-10°	10026.0	13309.1	17480.8	22404.8	29461.0	40433.3	55038.7	76011.8	106925.3	134485.5	158162.7
-12.5°	9585.9	13087.8	17256.4	21779.3	27471.1	37140.6	50429.7	68319.9	89481.2	115081.8	136149.6
-15°	9020.3	12565.0	16699.2	20942.5	26211.1	33760.7	44253.0	57393.5	73495.3	90746.9	109446.8
-17.5°	8090.4	11633.1	14962.3	18944.8	23948.9	29913.7	37453.8	47651.6	58335.2	70558.8	81746.8
-20°	6559.0	9420.7	12569.2	16321.6	20623.3	25143.4	30178.6	37127.1	43904.1	52461.7	59331.8



REPORT NUMBER: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4718.9	7137.8	9865.6	12966.8	16373.3	20243.1	24036.3	27703.0	32347.6	37764.5	43284.5
-25°	3073.4	4862.8	7224.9	9766.5	12145.8	15238.4	17963.5	20153.4	23285.3	25736.5	29081.6
-27.5°	2128.2	3291.3	5050.9	7075.9	8952.6	10932.1	13150.6	14645.7	17085.4	18411.4	20462.0
-30°	1557.2	2210.1	3475.6	4990.1	6625.1	8310.0	9893.8	11537.7	13234.8	14735.6	15873.6
-32.5°	1380.9	1637.3	2261.5	3351.6	4630.9	6043.7	7384.9	8818.0	10170.0	11333.3	12272.1
-35°	1261.2	1405.1	1601.1	2177.6	2941.0	4044.1	5099.1	6259.2	7345.1	8244.4	8998.1
-37.5°	1166.4	1281.6	1405.0	1531.5	1960.1	2442.9	3192.8	3999.0	4695.8	5492.0	6107.0
-40°	1058.8	1181.8	1280.6	1381.6	1495.2	1616.3	2022.3	2383.3	2777.0	3314.5	3753.6
-42.5°	947.8	1054.8	1166.1	1260.1	1345.8	1436.3	1527.6	1608.4	1808.4	2045.3	2225.2
-45°	870.9	946.6	1028.2	1127.8	1220.1	1298.5	1372.4	1443.1	1515.7	1582.7	1638.3
-47.5°	803.2	864.4	931.6	1000.0	1069.4	1150.1	1225.8	1297.6	1360.6	1417.7	1463.7
-50°	753.8	796.1	852.0	906.0	965.4	1021.6	1071.8	1130.7	1195.2	1253.8	1300.6
-52.5°	728.8	765.8	797.9	836.6	890.2	937.3	978.7	1025.3	1070.1	1111.1	1141.2
-55°	679.6	728.1	774.9	818.5	855.4	889.1	925.0	970.7	1010.1	1043.9	1062.5
-57.5°	602.6	664.8	723.7	779.0	831.0	879.9	920.5	956.8	993.3	1027.8	1043.8
-60°	511.5	571.0	632.5	699.0	766.1	832.9	882.1	929.0	973.2	1010.2	1029.9
-62.5°	413.7	467.8	522.9	582.8	646.6	709.1	762.7	818.7	876.1	925.5	957.0
-65°	302.5	348.7	398.0	447.0	495.5	545.5	593.4	640.5	686.2	723.3	749.1
-67.5°	216.8	246.6	277.1	308.6	346.2	384.7	420.1	454.4	487.1	513.3	532.6
-70°	149.1	168.3	186.3	206.3	230.4	253.8	275.6	296.3	315.7	332.2	345.9
-72.5°	92.7	105.3	117.8	131.9	145.6	158.7	171.0	182.6	193.3	203.0	211.8
-75°	46.5	52.4	62.3	71.7	80.6	89.8	98.3	105.8	112.3	117.8	122.4
-77.5°	30.2	33.9	37.6	41.0	44.1	48.4	53.1	57.9	62.7	66.6	70.2
-80°	21.1	23.2	25.4	27.7	29.9	32.6	35.4	38.1	40.8	42.5	44.0
-82.5°	15.1	16.2	17.5	18.8	20.1	22.0	24.0	25.8	27.7	29.0	30.2
-85°	10.8	11.3	11.9	12.5	13.1	14.8	16.6	18.3	19.9	21.1	22.2
-87.5°	7.8	7.9	7.9	8.0	8.0	9.5	11.1	12.6	14.2	14.7	15.3
-90°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.5	2.0	2.0	2.0



REPORT NUMBER: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	13.3	14.3	14.3	14.3	14.3	14.3	13.3	12.3	11.2	10.2	9.2
87.5°	2.0	2.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.5
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	3.1	3.6	4.1	4.1
80°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.1
77.5°	2.6	2.0	2.0	2.0	2.0	2.0	2.6	3.1	3.6	4.2	4.5
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.2	4.7
72.5°	6.0	6.0	6.1	6.1	6.1	6.0	6.0	5.9	5.8	5.9	6.6
70°	8.1	8.1	7.2	6.1	7.2	8.1	8.1	7.9	7.8	8.0	8.8
67.5°	10.0	10.1	11.1	12.3	11.1	10.1	10.0	9.9	9.8	10.0	10.9
65°	13.3	14.0	13.4	12.3	13.4	14.0	13.3	12.6	12.0	11.9	12.5
62.5°	11.8	12.3	11.4	10.2	11.4	12.3	11.8	11.4	11.0	11.4	12.3
60°	9.7	10.2	10.2	10.2	10.2	10.2	9.7	9.3	9.0	9.5	10.4
57.5°	9.4	10.0	10.2	10.2	10.2	10.0	9.4	8.8	8.3	8.7	9.3
55°	10.1	10.2	10.2	10.2	10.2	10.2	10.1	9.9	9.5	9.8	10.0
52.5°	13.7	14.0	14.2	14.3	14.2	14.0	13.7	13.2	12.7	12.3	12.1
50°	17.7	18.1	18.3	18.4	18.3	18.1	17.7	17.2	16.7	16.0	15.0
47.5°	24.3	24.4	24.4	24.5	24.4	24.4	24.3	23.8	23.1	22.1	20.5
45°	37.3	36.9	36.5	36.8	36.5	36.9	37.3	36.8	35.6	33.3	29.9
42.5°	60.8	60.9	60.7	61.3	60.7	60.9	60.8	59.2	57.6	53.6	48.5
40°	125.6	121.1	114.6	114.4	114.6	121.1	125.6	121.9	108.6	90.2	80.4
37.5°	261.4	266.0	265.4	269.8	265.4	266.0	261.4	248.7	222.9	177.2	158.4
35°	530.1	553.9	559.3	557.9	559.3	553.9	530.1	486.8	429.8	368.1	315.9
32.5°	873.1	904.7	913.5	925.7	913.5	904.7	873.1	834.7	746.7	646.7	564.1
30°	1535.1	1577.6	1537.1	1455.0	1537.1	1577.6	1535.1	1796.1	1411.2	1299.7	1112.2
27.5°	5562.3	5766.3	5307.2	5139.6	5307.2	5766.3	5562.3	5078.9	4171.3	3474.0	2525.7
25°	11335.9	12238.1	13162.9	13080.9	13162.9	12238.1	11335.9	10497.2	8966.1	6995.0	5413.2
22.5°	18294.7	19208.9	19970.9	20233.4	19970.9	19208.9	18294.7	16395.9	14106.9	11416.3	8956.6
20°	28977.2	30757.8	32032.8	30674.0	32032.8	30757.8	28977.2	25454.7	21641.8	17424.3	13623.7
17.5°	46318.3	51680.3	54465.9	56224.9	54465.9	51680.3	46318.3	37927.7	32377.1	26127.8	20178.2
15°	71901.2	79987.7	84467.7	87434.3	84467.7	79987.7	71901.2	61191.3	49564.0	39810.9	30570.7
12.5°	101404.6	110221.3	114180.9	117412.6	114180.9	110221.3	101404.6	88181.5	71636.4	57004.1	43778.0
10°	129451.6	138976.8	145571.6	148999.0	145571.6	138976.8	129451.6	115865.6	98597.8	78096.7	57296.7
7.5°	155149.4	166801.3	173493.5	175623.8	173493.5	166801.3	155149.4	142193.3	122875.6	98482.9	73677.7
5°	180285.3	190681.4	198729.4	200554.3	198729.4	190681.4	180285.3	163251.2	142551.3	116609.3	86934.1
2.5°	199638.8	212098.3	219323.8	221508.1	219323.8	212098.3	199638.8	182227.4	158492.8	131913.6	97757.5
0°	208507.9	220107.2	228662.6	231731.1	228662.6	220107.2	208507.9	191413.4	167572.0	138997.8	102327.9
-2.5°	206652.8	217342.3	223466.2	224521.4	223466.2	217342.3	206652.8	191093.5	167588.0	138609.2	101813.2
-5°	200128.4	209949.8	215998.3	216171.3	215998.3	209949.8	200128.4	184647.9	161718.5	132584.8	97275.0
-7.5°	185797.1	194981.2	199198.0	200257.0	199198.0	194981.2	185797.1	171796.5	150231.4	120568.2	87563.1
-10°	171210.5	179731.0	183715.8	184156.7	183715.8	179731.0	171210.5	158162.7	134485.5	106925.3	76011.8
-12.5°	152316.3	161433.3	165411.9	167282.9	165411.9	161433.3	152316.3	136149.6	115081.8	89481.2	68319.9
-15°	124199.4	133015.5	137788.6	141313.2	137788.6	133015.5	124199.4	109446.8	90746.9	73495.3	57393.5
-17.5°	94072.5	101629.0	106332.8	110614.6	106332.8	101629.0	94072.5	81746.8	70558.8	58335.2	47651.6
-20°	66975.6	71788.0	73266.0	75573.4	73266.0	71788.0	66975.6	59331.8	52461.7	43904.1	37127.1



REPORT NUMBER: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	47040.4	49776.6	51509.7	52489.2	51509.7	49776.6	47040.4	43284.5	37764.5	32347.6	27703.0
-25°	31890.1	33787.7	34525.6	35376.3	34525.6	33787.7	31890.1	29081.6	25736.5	23285.3	20153.4
-27.5°	21361.3	22140.5	22672.7	22961.6	22672.7	22140.5	21361.3	20462.0	18411.4	17085.4	14645.7
-30°	16789.7	17502.2	17929.5	18065.2	17929.5	17502.2	16789.7	15873.6	14735.6	13234.8	11537.7
-32.5°	12998.9	13537.5	13825.4	13863.6	13825.4	13537.5	12998.9	12272.1	11333.3	10170.0	8818.0
-35°	9630.0	10120.6	10392.2	10373.2	10392.2	10120.6	9630.0	8998.1	8244.4	7345.1	6259.2
-37.5°	6635.9	7051.8	7306.9	7373.2	7306.9	7051.8	6635.9	6107.0	5492.0	4695.8	3999.0
-40°	4151.3	4456.8	4639.2	4663.4	4639.2	4456.8	4151.3	3753.6	3314.5	2777.0	2383.3
-42.5°	2383.0	2506.8	2576.3	2572.9	2576.3	2506.8	2383.0	2225.2	2045.3	1808.4	1608.4
-45°	1674.8	1702.5	1718.1	1720.7	1718.1	1702.5	1674.8	1638.3	1582.7	1515.7	1443.1
-47.5°	1497.0	1523.2	1537.2	1538.8	1537.2	1523.2	1497.0	1463.7	1417.7	1360.6	1297.6
-50°	1338.0	1369.1	1386.0	1389.6	1386.0	1369.1	1338.0	1300.6	1253.8	1195.2	1130.7
-52.5°	1165.6	1186.1	1193.0	1189.4	1193.0	1186.1	1165.6	1141.2	1111.1	1070.1	1025.3
-55°	1079.9	1096.6	1103.9	1105.6	1103.9	1096.6	1079.9	1062.5	1043.9	1010.1	970.7
-57.5°	1059.2	1074.2	1078.9	1079.0	1078.9	1074.2	1059.2	1043.8	1027.8	993.3	956.8
-60°	1049.3	1068.0	1071.7	1068.8	1071.7	1068.0	1049.3	1029.9	1010.2	973.2	929.0
-62.5°	985.0	1009.0	1016.6	1015.7	1016.6	1009.0	985.0	957.0	925.5	876.1	818.7
-65°	770.9	788.5	797.6	801.1	797.6	788.5	770.9	749.1	723.3	686.2	640.5
-67.5°	548.3	560.5	564.4	564.0	564.4	560.5	548.3	532.6	513.3	487.1	454.4
-70°	357.5	366.9	367.9	365.8	367.9	366.9	357.5	345.9	332.2	315.7	296.3
-72.5°	219.4	225.9	225.3	222.7	225.3	225.9	219.4	211.8	203.0	193.3	182.6
-75°	126.3	129.5	128.5	126.7	128.5	129.5	126.3	122.4	117.8	112.3	105.8
-77.5°	73.7	77.0	77.6	77.7	77.6	77.0	73.7	70.2	66.6	62.7	57.9
-80°	45.4	46.7	46.9	47.0	46.9	46.7	45.4	44.0	42.5	40.8	38.1
-82.5°	31.4	32.6	32.7	32.7	32.7	32.6	31.4	30.2	29.0	27.7	25.8
-85°	23.3	24.4	24.5	24.5	24.5	24.4	23.3	22.2	21.1	19.9	18.3
-87.5°	15.8	16.3	16.3	16.3	16.3	16.3	15.8	15.3	14.7	14.2	12.6
-90°	2.0	2.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.5



REPORT NUMBER: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	8.2	7.1	6.1	6.1	6.1	6.1	6.1	6.6	7.2	7.7	8.2
87.5°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.6	5.1	5.6	6.1
85°	4.0	4.0	4.1	4.5	4.8	5.1	5.4	5.5	5.6	5.8	6.1
82.5°	4.1	4.1	4.1	4.6	5.1	5.6	6.1	6.1	6.1	6.1	6.2
80°	4.1	4.1	4.2	4.7	5.2	5.7	6.1	6.2	6.2	6.1	6.2
77.5°	4.9	5.1	5.2	5.3	5.5	5.8	6.2	6.7	7.1	7.3	7.3
75°	5.2	5.7	6.2	6.3	6.3	6.2	6.3	6.8	7.4	7.9	8.2
72.5°	7.1	7.5	7.7	7.8	7.6	7.7	8.0	8.4	8.5	8.4	8.2
70°	9.7	10.5	11.4	12.1	12.3	12.2	12.0	11.8	11.4	11.4	10.7
67.5°	11.7	12.5	14.4	16.5	17.8	18.4	18.1	17.0	16.2	15.6	13.9
65°	13.3	14.1	17.0	19.7	22.0	24.1	26.1	26.0	24.7	22.0	17.6
62.5°	13.2	14.1	16.1	18.7	22.1	27.5	33.7	35.9	35.7	31.0	24.4
60°	11.4	12.6	14.8	16.9	19.1	26.2	37.0	44.7	49.0	41.4	31.4
57.5°	9.9	10.9	12.8	15.1	17.7	25.7	37.1	50.8	59.4	48.6	38.4
55°	10.1	10.7	11.6	12.9	15.0	22.8	33.0	45.4	55.2	52.2	40.9
52.5°	12.1	12.2	12.1	12.1	14.0	19.1	26.6	37.7	43.7	42.9	39.3
50°	14.2	14.5	14.4	13.9	14.8	16.3	21.1	29.4	32.7	34.4	33.0
47.5°	19.9	19.6	18.2	17.5	17.9	17.8	19.3	21.7	26.4	26.8	27.3
45°	29.9	29.1	26.7	25.7	24.1	23.1	21.5	23.9	25.0	25.9	22.8
42.5°	46.8	43.8	40.8	39.1	35.9	32.7	30.1	30.7	30.2	29.0	28.1
40°	74.1	64.6	60.9	57.8	53.7	47.0	45.4	41.7	39.6	36.2	37.4
37.5°	131.0	100.7	94.4	81.6	75.7	71.7	66.8	60.0	52.2	55.4	55.0
35°	250.0	205.8	165.1	132.8	106.6	111.3	97.8	84.3	79.3	83.8	79.7
32.5°	440.9	437.7	321.1	248.3	217.9	186.2	153.4	119.3	131.6	128.7	113.5
30°	923.1	986.6	757.8	553.2	504.8	358.7	242.6	222.9	212.9	188.5	157.3
27.5°	2434.5	2174.1	1780.7	1399.3	1030.7	740.4	478.8	354.0	318.1	274.4	223.6
25°	4734.0	4229.3	3355.9	2686.1	2088.9	1278.3	819.3	579.0	453.1	380.7	313.4
22.5°	7328.2	6263.5	5086.3	4082.4	3178.7	2107.7	1305.8	838.7	605.2	505.8	419.5
20°	10298.3	8445.9	6911.7	5595.8	4241.9	2884.8	1850.9	1254.1	857.5	645.5	527.9
17.5°	15253.3	11179.7	9331.9	7462.1	5611.2	3873.3	2856.6	1911.6	1130.5	791.2	635.5
15°	21932.7	16773.6	13222.5	10110.5	7663.1	5939.3	4293.8	2748.9	1516.8	991.8	769.0
12.5°	33234.5	24676.3	18193.8	13974.4	11140.7	8554.9	6169.3	3989.2	2180.7	1254.1	931.8
10°	44095.2	33042.9	24693.0	19131.8	15084.8	11523.8	8083.2	5098.3	2782.1	1526.7	1088.1
7.5°	54598.4	40940.2	30766.3	23517.8	18141.9	13649.1	9639.4	6119.8	3306.3	1793.0	1237.1
5°	63129.9	46681.4	34412.7	25674.0	20181.3	15504.1	11099.4	7078.1	3747.3	2045.1	1377.5
2.5°	68230.0	50171.5	37175.8	27213.0	21624.1	16785.3	12158.4	7669.9	3953.4	2180.0	1456.1
0°	69998.5	51951.7	37266.6	27271.5	21537.2	16908.5	12627.2	7859.6	3993.1	2262.2	1524.5
-2.5°	69349.2	50707.4	36600.4	26580.9	20979.0	16202.4	12046.0	7893.9	4216.5	2347.3	1576.4
-5°	66256.8	47237.1	34120.0	24983.8	19805.5	15371.4	11431.0	7728.0	4318.1	2387.0	1617.0
-7.5°	61383.7	43722.6	31100.2	22994.8	18348.9	14381.9	10775.5	7388.3	4265.7	2359.3	1623.6
-10°	55038.7	40433.3	29461.0	22404.8	17480.8	13309.1	10026.0	6911.4	4048.6	2279.6	1617.8
-12.5°	50429.7	37140.6	27471.1	21779.3	17256.4	13087.8	9585.9	6353.3	3647.7	2143.9	1599.2
-15°	44253.0	33760.7	26211.1	20942.5	16699.2	12565.0	9020.3	5664.0	3026.0	1932.4	1567.7
-17.5°	37453.8	29913.7	23948.9	18944.8	14962.3	11633.1	8090.4	4869.4	2578.3	1713.6	1485.4
-20°	30178.6	25143.4	20623.3	16321.6	12569.2	9420.7	6559.0	3800.6	2192.5	1601.0	1392.9



REPORT NUMBER: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	24036.3	20243.1	16373.3	12966.8	9865.6	7137.8	4718.9	2663.8	1713.2	1477.2	1286.4
-25°	17963.5	15238.4	12145.8	9766.5	7224.9	4862.8	3073.4	2038.3	1538.0	1347.9	1167.3
-27.5°	13150.6	10932.1	8952.6	7075.9	5050.9	3291.3	2128.2	1538.0	1379.4	1216.9	1049.5
-30°	9893.8	8310.0	6625.1	4990.1	3475.6	2210.1	1557.2	1371.2	1239.8	1097.1	948.5
-32.5°	7384.9	6043.7	4630.9	3351.6	2261.5	1637.3	1380.9	1221.5	1115.8	991.8	877.6
-35°	5099.1	4044.1	2941.0	2177.6	1601.1	1405.1	1261.2	1132.7	1006.1	898.7	814.8
-37.5°	3192.8	2442.9	1960.1	1531.5	1405.0	1281.6	1166.4	1038.5	911.9	832.4	759.9
-40°	2022.3	1616.3	1495.2	1381.6	1280.6	1181.8	1058.8	936.3	851.7	772.2	708.9
-42.5°	1527.6	1436.3	1345.8	1260.1	1166.1	1054.8	947.8	867.8	792.5	724.0	669.9
-45°	1372.4	1298.5	1220.1	1127.8	1028.2	946.6	870.9	802.6	737.6	687.2	635.3
-47.5°	1225.8	1150.1	1069.4	1000.0	931.6	864.4	803.2	742.6	702.8	655.7	589.7
-50°	1071.8	1021.6	965.4	906.0	852.0	796.1	753.8	715.1	668.8	609.3	539.5
-52.5°	978.7	937.3	890.2	836.6	797.9	765.8	728.8	676.8	622.6	552.0	476.2
-55°	925.0	889.1	855.4	818.5	774.9	728.1	679.6	621.7	552.3	481.4	412.5
-57.5°	920.5	879.9	831.0	779.0	723.7	664.8	602.6	539.1	474.9	410.5	347.1
-60°	882.1	832.9	766.1	699.0	632.5	571.0	511.5	452.7	394.9	337.1	280.7
-62.5°	762.7	709.1	646.6	582.8	522.9	467.8	413.7	359.6	309.3	261.3	215.7
-65°	593.4	545.5	495.5	447.0	398.0	348.7	302.5	264.3	228.9	191.7	153.8
-67.5°	420.1	384.7	346.2	308.6	277.1	246.6	216.8	185.8	160.3	138.6	116.6
-70°	275.6	253.8	230.4	206.3	186.3	168.3	149.1	130.0	111.9	95.4	78.4
-72.5°	171.0	158.7	145.6	131.9	117.8	105.3	92.7	79.7	66.3	52.8	42.8
-75°	98.3	89.8	80.6	71.7	62.3	52.4	46.5	42.5	38.4	34.4	30.2
-77.5°	53.1	48.4	44.1	41.0	37.6	33.9	30.2	27.5	25.8	24.2	22.5
-80°	35.4	32.6	29.9	27.7	25.4	23.2	21.1	20.0	18.9	18.0	17.2
-82.5°	24.0	22.0	20.1	18.8	17.5	16.2	15.1	14.6	14.1	13.6	13.0
-85°	16.6	14.8	13.1	12.5	11.9	11.3	10.8	10.6	10.4	10.1	9.9
-87.5°	11.1	9.5	8.0	8.0	7.9	7.9	7.8	7.9	8.0	8.1	8.2
-90°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.6	5.1	5.6	6.1



REPORT NUMBER: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	6.1	6.1	6.1	6.1	6.6	7.2	7.7	8.2	8.2	8.2	8.2
85°	6.3	6.4	6.4	6.4	6.8	7.2	7.7	8.2	8.2	8.2	8.2
82.5°	6.7	7.1	7.4	7.6	7.6	7.7	7.9	8.2	8.3	8.2	8.2
80°	6.7	7.2	7.8	8.2	8.2	8.2	8.1	8.2	8.5	8.6	8.5
77.5°	7.3	7.5	7.8	8.2	8.2	8.2	8.2	8.3	8.7	9.0	9.0
75°	8.2	8.1	8.1	8.3	8.3	8.2	8.2	8.4	8.8	9.3	9.5
72.5°	8.2	8.2	8.2	8.4	8.7	8.8	8.5	8.4	8.9	9.4	9.9
70°	9.6	8.5	8.2	8.5	9.0	9.4	9.3	9.0	9.0	9.4	9.9
67.5°	12.3	11.1	9.8	8.9	9.1	9.6	10.1	9.7	9.4	9.5	10.0
65°	15.5	13.7	12.1	10.6	9.7	9.7	10.1	10.2	9.9	9.8	10.0
62.5°	19.4	16.2	14.3	12.2	10.7	10.1	10.2	10.2	10.2	10.0	10.1
60°	23.8	19.1	16.4	14.2	12.0	10.4	10.2	10.2	10.2	10.2	10.2
57.5°	28.6	21.3	18.2	16.0	13.8	11.4	10.2	10.2	10.2	10.2	10.2
55°	31.7	24.1	20.1	17.3	15.3	13.0	10.7	10.2	10.2	10.2	10.2
52.5°	31.3	26.0	22.2	18.6	16.2	14.4	12.1	10.2	10.2	10.2	10.2
50°	28.2	26.6	23.5	19.8	16.9	15.1	13.3	11.1	10.2	10.2	10.2
47.5°	27.1	27.0	24.3	20.7	17.5	15.7	14.0	12.0	10.2	10.2	10.2
45°	26.6	27.9	25.5	21.7	18.1	16.3	14.6	12.8	10.9	10.3	10.2
42.5°	27.2	29.3	27.8	22.7	19.9	16.9	15.1	13.3	11.4	10.4	10.3
40°	34.8	31.5	30.8	27.9	22.4	17.5	15.6	13.7	11.9	10.7	10.4
37.5°	44.8	38.5	34.0	37.2	27.1	20.3	16.0	14.1	12.6	11.3	10.7
35°	66.4	49.5	46.9	49.5	38.6	23.4	16.4	14.5	13.2	11.9	10.9
32.5°	93.4	74.2	70.9	64.4	53.0	27.0	18.4	15.5	13.9	12.5	11.2
30°	133.0	119.7	101.3	82.4	69.5	40.1	22.2	16.8	14.4	13.0	11.5
27.5°	193.2	170.2	138.9	110.0	86.8	56.2	27.1	18.4	15.0	13.5	12.0
25°	262.6	227.3	186.8	143.8	106.1	78.0	32.3	20.4	16.0	14.0	12.4
22.5°	347.4	288.6	237.8	181.1	135.1	102.8	44.0	24.7	17.5	14.5	12.8
20°	435.7	352.9	292.7	222.7	170.0	127.3	63.0	29.0	19.0	14.9	13.2
17.5°	527.7	434.8	358.8	271.9	205.9	153.6	83.2	33.4	20.7	15.3	13.5
15°	651.7	539.5	431.0	324.0	240.0	181.2	104.3	37.7	22.4	15.7	13.9
12.5°	782.7	648.8	507.6	377.9	272.5	209.6	125.6	42.0	24.2	16.8	14.3
10°	912.5	760.5	586.6	432.3	303.1	238.2	146.5	47.9	28.2	18.6	14.7
7.5°	1039.9	872.3	666.0	485.9	335.9	275.4	181.0	57.6	32.5	20.6	15.2
5°	1155.0	971.9	744.4	551.5	388.2	321.2	217.4	67.4	36.8	22.6	15.6
2.5°	1228.2	1049.2	817.9	614.5	439.2	365.1	252.3	76.9	41.0	24.7	16.0
0°	1293.6	1117.8	884.9	672.3	488.4	406.7	284.1	85.8	45.0	26.6	16.3
-2.5°	1335.1	1158.1	921.5	718.3	539.3	452.3	322.6	111.0	59.6	34.3	19.5
-5°	1369.8	1189.6	952.2	759.2	587.8	494.5	355.7	134.8	73.5	41.6	22.5
-7.5°	1382.4	1195.9	968.1	791.6	633.7	533.2	382.5	156.5	86.3	48.3	25.4
-10°	1382.6	1182.6	962.9	791.1	644.8	549.4	398.6	175.6	97.8	54.3	27.9
-12.5°	1372.8	1160.2	953.1	785.1	646.8	545.0	386.9	188.1	107.5	59.2	30.0
-15°	1352.3	1128.8	939.0	773.6	645.5	537.6	372.4	196.3	115.0	63.4	31.6
-17.5°	1310.8	1088.4	921.1	756.6	640.5	527.6	355.9	201.8	120.5	66.8	33.3
-20°	1213.1	1030.1	899.3	734.0	631.9	515.0	337.9	204.4	123.9	68.7	35.0



REPORT NUMBER: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1110.2	963.0	843.6	719.3	617.4	500.0	319.1	203.9	125.0	69.2	36.1
-25°	1004.7	894.5	783.4	685.3	596.7	471.7	308.1	200.3	123.7	68.0	36.5
-27.5°	919.7	826.0	725.3	651.2	562.9	444.4	302.4	198.2	120.8	65.1	36.2
-30°	843.2	762.5	683.2	616.0	528.3	405.7	292.6	193.0	117.3	63.2	35.1
-32.5°	783.5	703.7	645.9	576.7	485.8	366.4	271.5	184.4	111.4	61.8	34.3
-35°	735.7	663.9	609.1	537.6	440.0	335.4	245.6	172.2	103.0	59.4	33.1
-37.5°	688.8	633.6	566.9	493.7	394.4	301.8	221.6	153.4	92.1	55.9	31.2
-40°	655.7	598.3	529.2	444.5	353.2	265.5	195.7	135.0	84.9	51.3	28.5
-42.5°	620.8	555.8	481.3	396.2	310.9	235.0	168.8	115.7	76.8	46.9	25.1
-45°	573.4	507.1	428.6	348.4	267.7	202.8	146.5	96.9	67.8	42.2	22.2
-47.5°	521.4	449.5	375.9	299.6	230.8	171.1	123.3	86.1	58.2	36.5	20.6
-50°	459.4	392.2	323.2	256.7	193.6	144.9	102.0	74.6	50.1	29.4	18.7
-52.5°	402.6	336.1	274.2	214.3	162.5	117.8	88.5	62.6	41.3	25.0	16.4
-55°	345.0	282.8	226.6	175.8	131.0	99.3	74.1	51.8	31.9	21.6	14.0
-57.5°	287.2	230.2	182.1	138.1	106.9	82.7	60.3	40.3	26.3	17.9	13.7
-60°	227.9	180.8	137.5	110.6	87.8	66.0	46.4	30.3	21.5	14.7	13.3
-62.5°	171.8	133.8	110.3	89.0	68.3	49.2	33.1	24.2	16.4	14.1	12.8
-65°	129.0	106.4	85.9	66.4	48.3	34.1	25.7	17.9	14.9	13.6	12.5
-67.5°	96.1	77.1	59.5	42.8	33.4	25.8	18.0	15.4	14.2	13.0	12.5
-70°	61.8	46.3	37.7	31.1	24.3	18.2	16.1	14.7	13.6	12.8	12.4
-72.5°	37.7	32.4	27.0	21.6	18.9	16.7	15.1	14.0	13.1	12.6	12.3
-75°	25.7	23.0	20.7	18.5	16.6	15.1	14.0	13.2	12.7	12.3	11.8
-77.5°	20.5	18.6	16.9	15.6	14.6	13.7	13.0	12.5	12.1	11.7	11.2
-80°	16.1	15.1	14.2	13.4	12.8	12.3	12.0	11.6	11.3	11.0	10.6
-82.5°	12.4	12.1	11.8	11.7	11.5	11.2	11.0	10.8	10.5	10.2	10.0
-85°	10.0	10.1	10.3	10.5	10.4	10.2	10.0	9.9	9.7	9.6	9.4
-87.5°	8.5	8.8	9.1	9.3	9.3	9.2	9.1	9.0	9.0	8.9	8.8
-90°	6.1	6.1	6.1	6.1	6.6	7.2	7.7	8.2	8.2	8.2	8.2



REPORT NUMBER: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
82.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	8.3	8.2	8.2	8.2	8.2	8.2	8.2
77.5°	8.8	8.3	8.2	8.2	8.2	8.2	8.2
75°	9.3	8.8	8.3	8.2	8.2	8.2	8.2
72.5°	9.8	9.2	8.6	8.2	8.2	8.2	8.2
70°	10.2	9.6	8.9	8.2	8.2	8.2	8.2
67.5°	10.2	10.0	9.2	8.5	8.2	8.2	8.2
65°	10.2	10.2	9.6	8.7	8.2	8.2	8.2
62.5°	10.2	10.2	9.9	9.0	8.2	8.2	8.2
60°	10.2	10.2	10.2	9.2	8.2	8.2	8.2
57.5°	10.2	10.2	10.2	9.4	8.3	8.2	8.2
55°	10.2	10.2	10.2	9.6	8.5	8.2	8.2
52.5°	10.2	10.2	10.2	9.8	8.6	8.2	8.2
50°	10.2	10.2	10.2	10.1	8.8	8.2	8.2
47.5°	10.2	10.2	10.2	10.2	8.9	8.2	8.2
45°	10.2	10.2	10.2	10.2	9.0	8.2	8.2
42.5°	10.2	10.2	10.2	10.2	9.1	8.2	8.2
40°	10.2	10.2	10.2	10.2	9.3	8.2	8.2
37.5°	10.2	10.2	10.2	10.2	9.4	8.2	8.2
35°	10.2	10.2	10.2	10.2	9.5	8.2	8.2
32.5°	10.3	10.2	10.2	10.2	9.6	8.2	8.2
30°	10.5	10.2	10.2	10.2	9.7	8.2	8.2
27.5°	10.7	10.2	10.2	10.2	9.7	8.2	8.2
25°	11.0	10.2	10.2	10.2	9.8	8.2	8.2
22.5°	11.2	10.2	10.2	10.2	9.9	8.2	8.2
20°	11.5	10.4	10.2	10.2	10.0	8.2	8.2
17.5°	11.8	10.6	10.2	10.2	10.0	8.2	8.2
15°	12.0	10.8	10.2	10.2	10.1	8.2	8.2
12.5°	12.1	11.0	10.2	10.2	10.1	8.2	8.2
10°	12.2	11.3	10.2	10.2	10.1	8.2	8.2
7.5°	12.3	11.5	10.2	10.2	10.2	8.2	8.2
5°	12.3	11.8	10.2	10.2	10.2	8.2	8.2
2.5°	12.3	12.1	10.2	10.2	10.2	8.2	8.2
0°	12.3	12.3	10.2	10.2	10.2	8.2	8.2
-2.5°	13.4	12.3	10.2	10.2	10.2	8.2	8.2
-5°	14.4	12.3	10.2	10.2	10.2	8.2	8.2
-7.5°	15.4	12.2	10.2	10.2	10.2	8.2	8.2
-10°	16.2	12.1	10.2	10.2	10.1	8.2	8.2
-12.5°	16.9	12.0	10.2	10.2	10.1	8.2	8.2
-15°	17.4	11.9	10.2	10.2	10.1	8.2	8.2
-17.5°	17.6	11.8	10.2	10.2	10.0	8.2	8.2
-20°	18.0	11.7	10.2	10.2	10.0	8.2	8.2



REPORT NUMBER: P731631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-4S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	18.8	11.5	10.2	10.2	9.9	8.2	8.2
-25°	19.1	11.6	10.2	10.2	9.8	8.2	8.2
-27.5°	19.0	11.8	10.2	10.2	9.7	8.2	8.2
-30°	18.5	11.9	10.2	10.2	9.7	8.2	8.2
-32.5°	17.5	11.7	10.3	10.2	9.6	8.2	8.2
-35°	17.0	11.5	10.4	10.2	9.5	8.2	8.2
-37.5°	16.7	11.3	10.5	10.2	9.4	8.2	8.2
-40°	16.2	11.4	10.5	10.2	9.3	8.2	8.2
-42.5°	15.3	11.4	10.6	10.2	9.1	8.2	8.2
-45°	14.3	11.4	10.6	10.3	9.0	8.2	8.2
-47.5°	13.0	11.4	10.7	10.3	8.9	8.2	8.2
-50°	12.7	11.4	10.8	10.2	8.8	8.2	8.2
-52.5°	12.5	11.3	10.8	10.0	8.6	8.2	8.2
-55°	12.4	11.3	10.9	9.9	8.5	8.2	8.2
-57.5°	12.1	11.4	10.9	9.7	8.3	8.2	8.2
-60°	11.9	11.4	11.0	9.5	8.2	8.2	8.2
-62.5°	12.0	11.5	10.7	9.3	8.2	8.2	8.2
-65°	12.0	11.5	10.4	9.1	8.2	8.2	8.2
-67.5°	12.1	11.4	10.1	8.9	8.2	8.2	8.2
-70°	12.1	11.0	9.8	8.7	8.2	8.2	8.2
-72.5°	11.7	10.6	9.5	8.6	8.2	8.2	8.2
-75°	11.2	10.2	9.2	8.5	8.2	8.2	8.2
-77.5°	10.7	9.8	9.0	8.5	8.2	8.2	8.2
-80°	10.2	9.5	8.9	8.4	8.2	8.2	8.2
-82.5°	9.7	9.2	8.7	8.4	8.2	8.2	8.2
-85°	9.2	8.8	8.5	8.3	8.2	8.2	8.2
-87.5°	8.7	8.5	8.4	8.3	8.2	8.2	8.2
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2

(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

