

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: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-70-4S-CV1**

Issue Date: 11/16/2023

Test Information

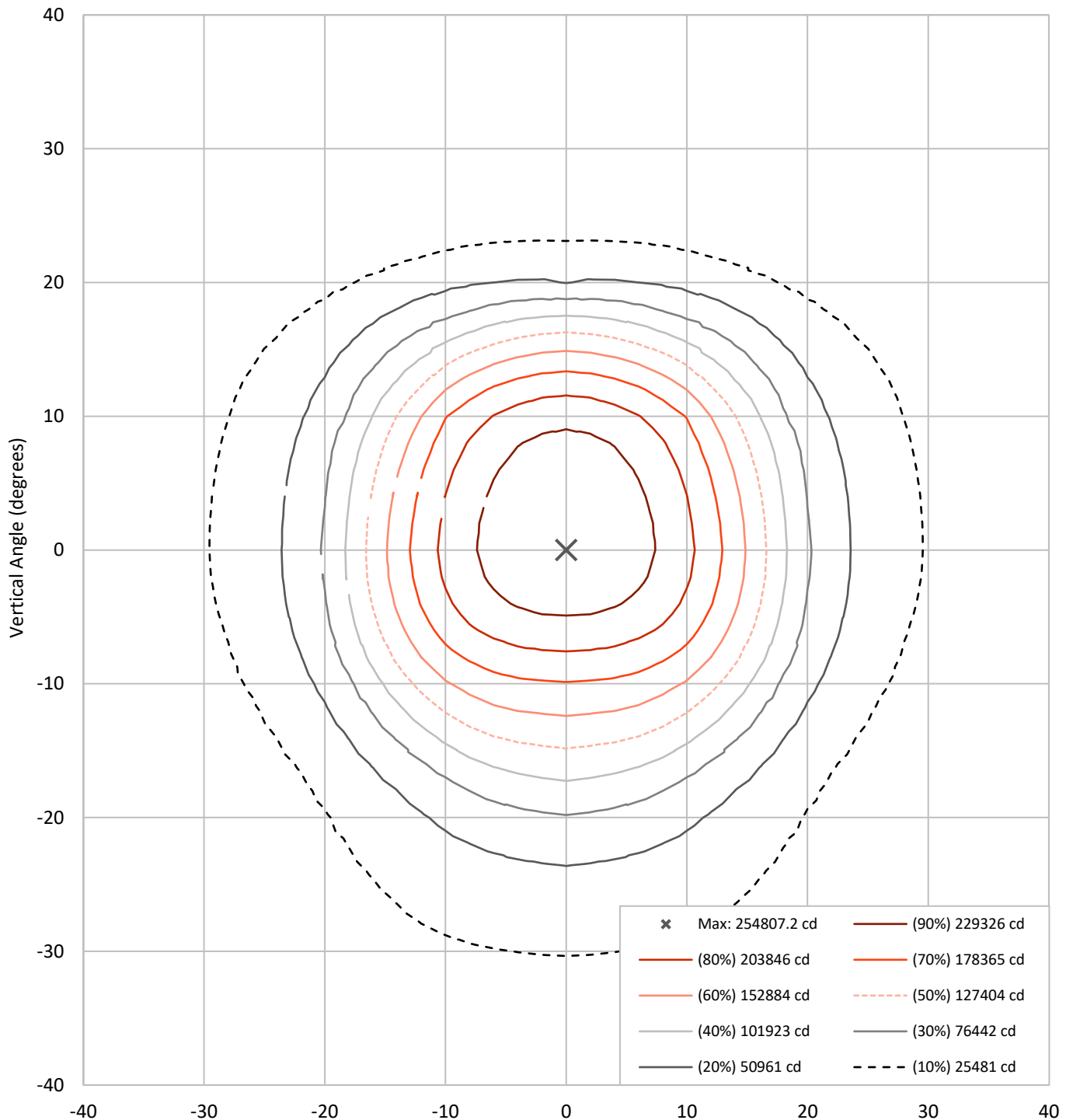
Test Method: LM-79-08
Report Number: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-27)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-40-70-4S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 4S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	86818 lumens	Max Intensity:	254807.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	124.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.1°H x 31.1°V	Field Angle (10%):	59.1°H x 53.4°V
Beam Lumens:	47449.5 lumens	Field Lumens:	76456.5 lumens
Beam Efficiency:	54.7%	Field Efficiency:	88.1%
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: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-40-70-4S-CV1

Iso-Candela Plot





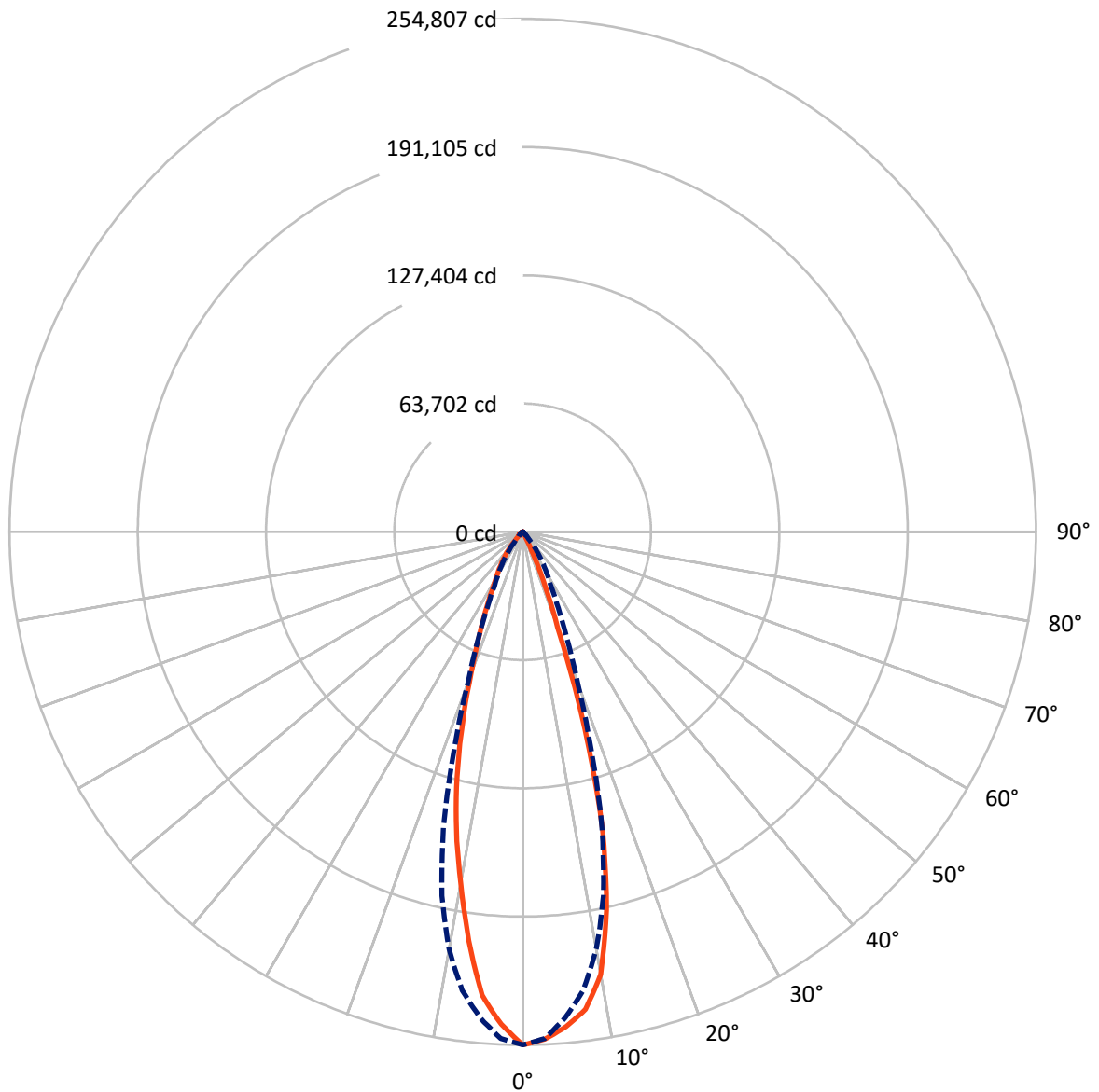
REPORT NUMBER: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-4S-CV1

Lumen Table

90	0.1		0.2		0.4		0.5		0.4		0.5		0.4		0.2		0.1	
80	0.1		0.2		0.4		0.5		0.4		0.5		0.4		0.2		0.1	
70	0.1	0.1	0.1	0.5	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.5	0.1	0.1	0.1		
60		0.1	0.3	0.9	0.9	0.3	0.3	0.3	0.3	0.3	0.3	0.9	0.9	0.3	0.1			
50	0.1	0.1	0.4	0.6	0.7	0.8	1.0	1.0	1.0	1.0	0.8	0.7	0.6	0.4	0.1	0.1		
40		0.2	0.9	2.6	4.7	8.2	12.4	15.3	15.3	12.4	8.2	4.7	2.6	0.9	0.2			
30	0.1	0.5	4.2	13.0	51.5	160.9	322.2	523.2	523.2	322.2	160.9	51.5	13.0	4.2	0.5	0.1		
20		1.3	9.6	31.5	213.0	727.4	2171.0	4047.6	4047.6	2171.0	727.4	213.0	31.5	9.6	1.3			
10	0.3	2.2	13.3	45.0	331.8	1181.9	4053.0	6942.0	6942.0	4053.0	1181.9	331.8	45.0	13.3	2.2	0.3		
0		2.7	14.2	46.2	327.6	1140.1	3923.0	6461.8	6461.8	3923.0	1140.1	327.6	46.2	14.2	2.7			
-10	0.5	3.3	13.6	35.6	194.7	644.2	1979.7	3528.9	3528.9	1979.7	644.2	194.7	35.6	13.6	3.3	0.5		
-20		3.3	13.0	27.5	91.7	349.2	804.5	1283.4	1283.4	804.5	349.2	91.7	27.5	13.0	3.3			
-30	0.4	2.7	11.7	23.5	45.3	129.7	324.8	493.5	493.5	324.8	129.7	45.3	23.5	11.7	2.7	0.4		
-40		1.8	8.5	20.1	33.8	51.7	78.5	106.6	106.6	78.5	51.7	33.8	20.1	8.5	1.8			
-50	0.2	0.9	4.4	13.1	25.4	36.7	47.1	53.9	53.9	47.1	36.7	25.4	13.1	4.4	0.9	0.2		
-60		0.4	1.5	4.7	10.2	17.0	24.0	27.9	27.9	24.0	17.0	10.2	4.7	1.5	0.4			
-70	0.1	0.9	4.4	13.1	25.4	36.7	47.1	53.9	53.9	47.1	36.7	25.4	13.1	4.4	0.9	0.1		
-80		0.4	1.5	4.7	10.2	17.0	24.0	27.9	27.9	24.0	17.0	10.2	4.7	1.5	0.4			
-90	0.1		0.8		3.2		8.1		10.8		8.1		3.2		0.8		0.1	

REPORT NUMBER: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-40-70-4S-CV1

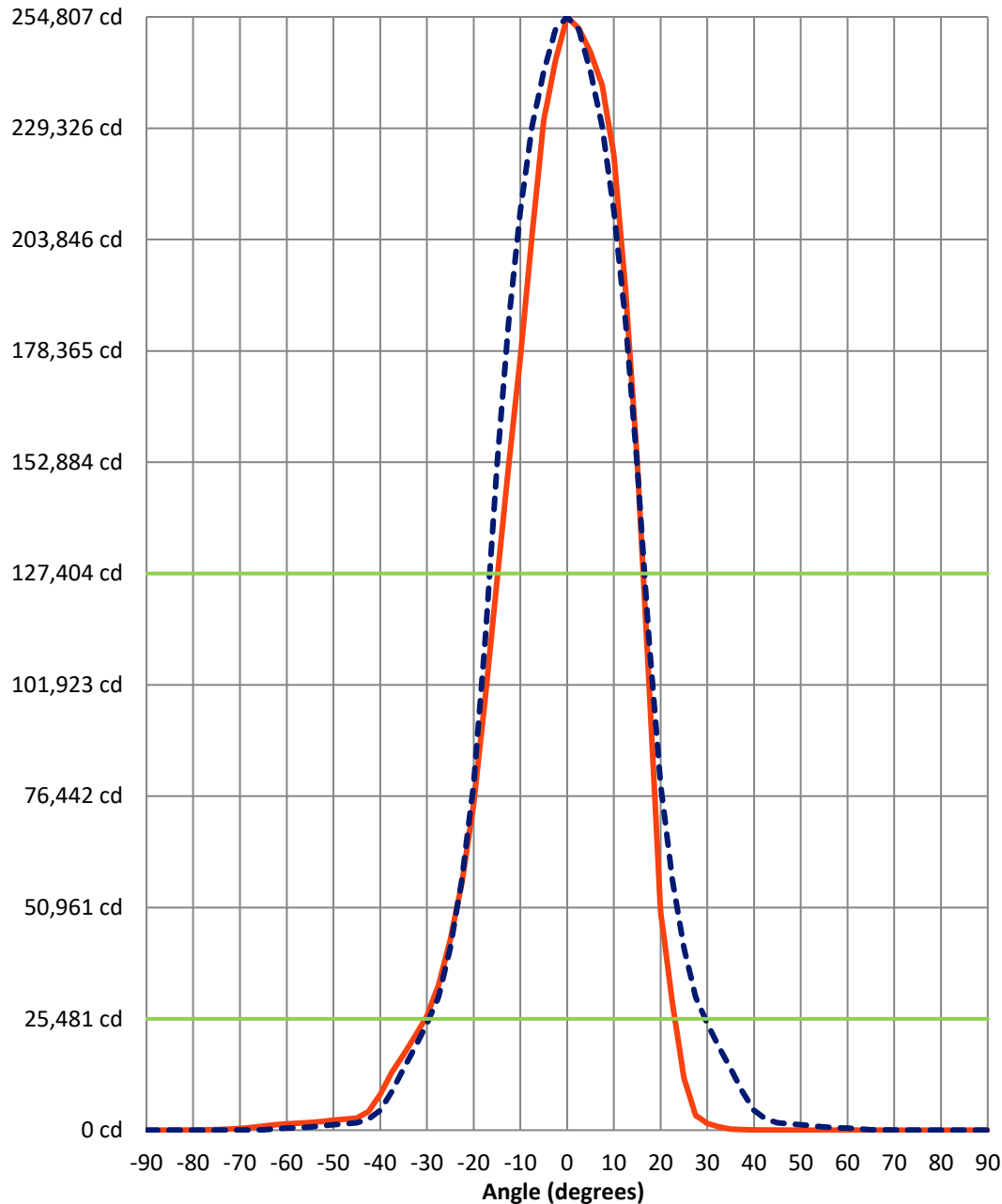
Luminous Intensity Polar Plot



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

REPORT NUMBER: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-4S-CV1

Luminous Intensity Plot



Beam:
 H Angle: 33.1°
 V Angle: 31.1°
 Lumens: 47449.5
 Efficiency: 54.7%

Field:
 H Angle: 59.1°
 V Angle: 53.4°
 Lumens: 76456.5
 Efficiency: 88.1%

Spill:
 Lumens: 10361.5
 Efficiency: 11.9%

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



REPORT NUMBER: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-4S-CV1

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	4.4	3.3	2.4	2.4	2.4	2.3	2.2	2.2	2.2	2.2	2.2
85°	4.4	3.4	2.6	2.6	2.6	2.4	2.2	2.2	2.2	2.2	2.2
82.5°	4.4	3.5	2.8	2.8	2.8	2.6	2.2	2.2	2.2	2.3	2.2
80°	4.4	3.5	3.0	3.1	3.0	2.7	2.3	2.5	2.6	2.5	2.3
77.5°	4.4	3.6	3.2	3.3	3.2	2.9	2.9	3.1	3.0	2.8	2.5
75°	4.4	3.6	3.4	3.5	3.4	3.3	3.4	3.6	3.5	3.3	3.4
72.5°	4.4	3.7	3.6	3.8	3.6	3.6	4.0	4.0	3.8	3.9	4.2
70°	4.4	3.7	3.7	4.0	3.8	4.0	4.4	4.2	4.1	4.4	4.4
67.5°	4.4	3.8	3.9	4.0	4.0	4.3	4.4	4.3	4.4	4.4	4.4
65°	4.4	3.8	4.1	4.1	4.1	4.4	4.4	4.4	4.4	4.4	4.4
62.5°	4.4	3.9	4.2	4.2	4.3	4.4	4.4	4.4	4.4	4.4	4.4
60°	4.4	3.9	4.4	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4
57.5°	4.4	4.0	4.4	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4
55°	4.4	4.0	4.4	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4
52.5°	4.4	4.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
50°	4.4	4.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.7
47.5°	4.4	4.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	7.2
45°	4.4	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.5	5.6	8.6
42.5°	4.4	4.2	4.4	4.4	4.4	4.4	4.4	4.5	4.6	6.8	10.4
40°	4.4	4.2	4.4	4.4	4.4	4.4	4.4	4.7	5.1	8.0	12.3
37.5°	4.4	4.3	4.4	4.4	4.4	4.4	4.4	4.9	6.3	9.4	14.2
35°	4.4	4.3	4.4	4.4	4.4	4.4	4.4	5.1	7.3	11.2	15.9
32.5°	4.4	4.3	4.4	4.4	4.4	4.4	4.5	5.4	8.4	12.8	17.4
30°	4.4	4.3	4.4	4.4	4.4	4.4	4.7	5.9	9.4	14.4	19.4
27.5°	4.4	4.3	4.4	4.4	4.4	4.4	4.9	6.7	10.4	15.9	21.6
25°	4.4	4.4	4.4	4.4	4.4	4.4	5.2	7.5	11.6	17.6	24.2
22.5°	4.4	4.4	4.4	4.4	4.4	4.4	5.5	8.2	12.8	19.4	29.4
20°	4.4	4.4	4.4	4.4	4.4	4.6	5.8	8.8	13.8	21.4	35.0
17.5°	4.4	4.4	4.4	4.4	4.4	4.8	6.1	9.4	14.8	23.5	40.9
15°	4.4	4.4	4.4	4.4	4.4	5.0	6.6	10.2	15.6	25.6	47.1
12.5°	4.4	4.4	4.4	4.4	4.4	5.3	7.0	11.1	17.1	27.7	53.4
10°	4.4	4.4	4.4	4.4	4.4	5.5	7.4	12.1	19.0	31.5	59.9
7.5°	4.4	4.4	4.4	4.4	4.4	5.8	7.8	13.0	21.0	35.4	66.7
5°	4.4	4.4	4.4	4.4	4.4	6.1	8.2	13.9	22.9	39.2	72.9
2.5°	4.4	4.4	4.4	4.4	4.4	6.3	8.5	14.7	24.7	42.8	78.6
0°	4.4	4.4	4.4	4.4	4.4	6.6	8.8	15.4	26.4	46.2	83.6
-2.5°	4.4	4.4	4.4	4.4	4.6	7.3	10.8	19.5	35.5	62.4	107.8
-5°	4.4	4.4	4.4	4.4	4.8	8.0	12.8	23.4	44.2	77.8	130.8
-7.5°	4.4	4.4	4.4	4.4	5.0	8.6	14.7	27.1	52.2	92.2	152.1
-10°	4.4	4.4	4.4	4.4	5.1	9.2	16.4	30.5	59.4	105.1	171.4
-12.5°	4.4	4.4	4.4	4.4	5.3	9.7	17.9	33.4	65.5	116.2	188.5
-15°	4.4	4.4	4.4	4.4	5.4	10.1	19.1	35.9	70.5	124.8	202.4
-17.5°	4.4	4.4	4.4	4.4	5.5	10.3	20.1	38.2	74.3	131.2	212.8
-20°	4.4	4.4	4.4	4.4	5.5	10.5	20.9	40.3	76.7	135.2	219.1



REPORT NUMBER: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.4	4.4	4.4	4.4	5.6	10.5	21.7	41.7	77.5	136.7	221.1
-25°	4.4	4.4	4.4	4.4	5.6	10.6	22.0	42.2	76.7	135.4	218.3
-27.5°	4.4	4.4	4.4	4.4	5.5	10.6	21.9	42.0	74.1	132.5	216.4
-30°	4.4	4.4	4.4	4.4	5.4	10.4	21.3	40.9	72.4	129.3	210.8
-32.5°	4.4	4.4	4.4	4.4	5.5	10.0	20.3	40.0	71.0	123.7	201.4
-35°	4.4	4.4	4.4	4.4	5.6	9.3	19.5	38.7	68.4	115.6	187.9
-37.5°	4.4	4.4	4.4	4.4	5.6	8.8	18.7	36.6	64.5	105.0	171.2
-40°	4.4	4.4	4.4	4.4	5.5	8.8	17.6	33.8	59.4	97.5	154.4
-42.5°	4.4	4.4	4.4	4.4	5.5	8.7	16.2	30.2	54.6	88.9	135.1
-45°	4.4	4.4	4.4	4.5	5.6	8.6	14.5	26.9	49.6	79.1	115.0
-47.5°	4.4	4.4	4.4	4.5	5.7	8.4	12.4	24.4	43.6	68.4	102.8
-50°	4.4	4.4	4.4	4.6	5.7	8.1	11.8	21.5	36.0	59.5	89.4
-52.5°	4.4	4.4	4.4	4.6	5.6	7.8	11.4	18.2	30.5	49.7	75.2
-55°	4.4	4.4	4.4	4.6	5.5	7.5	10.9	14.8	25.9	38.9	62.6
-57.5°	4.4	4.4	4.4	4.6	5.4	7.3	10.3	14.1	21.0	32.0	48.9
-60°	4.4	4.4	4.4	4.6	5.2	6.9	9.6	13.2	16.7	26.2	36.8
-62.5°	4.4	4.4	4.4	4.5	5.1	6.5	9.0	12.1	15.5	20.1	30.0
-65°	4.4	4.4	4.4	4.5	5.0	6.1	8.3	11.1	14.1	17.5	22.9
-67.5°	4.4	4.4	4.4	4.5	4.9	5.7	7.4	10.0	12.6	15.7	19.2
-70°	4.4	4.4	4.4	4.4	4.8	5.4	6.5	8.9	11.3	13.8	16.9
-72.5°	4.4	4.4	4.4	4.4	4.6	5.2	6.0	7.7	10.0	12.3	14.6
-75°	4.4	4.4	4.4	4.4	4.4	4.8	5.5	6.9	8.7	10.8	12.9
-77.5°	4.4	4.4	4.4	4.4	4.4	4.5	5.0	6.2	7.6	9.3	11.2
-80°	4.4	4.4	4.4	4.4	4.4	4.4	4.5	5.4	6.6	8.0	9.5
-82.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.9	5.5	6.6	7.7
-85°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.7	5.1	5.6	6.2
-87.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.6	4.8	5.0	5.3
-90°	4.4	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



REPORT NUMBER: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.7	2.8	3.0
80°	2.2	2.2	2.3	2.2	2.4	2.8	3.3	3.9	4.3	4.4	4.4
77.5°	2.7	2.8	2.7	2.3	2.6	3.2	3.7	4.2	4.4	4.4	4.4
75°	3.6	3.5	2.9	2.4	2.5	3.1	3.7	4.2	4.4	4.4	4.4
72.5°	4.1	3.6	3.0	2.5	2.9	3.6	4.1	4.4	5.4	6.8	7.6
70°	4.2	3.6	3.4	3.5	4.0	4.9	6.8	9.2	11.5	12.4	13.3
67.5°	4.3	4.0	4.1	4.6	6.2	8.3	11.1	14.5	18.0	19.2	20.5
65°	4.4	4.3	4.9	6.4	8.6	12.0	15.7	19.8	25.8	28.8	30.2
62.5°	4.4	4.7	5.9	8.3	11.9	15.8	20.9	27.5	35.4	40.5	40.3
60°	4.4	4.9	7.3	11.0	15.0	19.8	26.3	35.4	46.7	54.7	49.3
57.5°	4.4	5.9	9.5	13.5	17.9	23.2	32.2	43.4	53.7	64.6	55.3
55°	5.0	7.5	11.4	15.7	20.9	27.2	36.0	44.9	56.1	60.3	50.4
52.5°	6.7	9.2	13.1	18.1	24.4	29.4	34.3	42.1	46.4	48.4	41.5
50°	8.4	11.1	14.6	20.8	26.2	29.1	29.7	34.6	36.6	34.9	31.7
47.5°	10.2	13.1	16.7	22.7	26.5	27.8	26.7	27.7	27.6	27.2	22.9
45°	12.2	15.5	19.4	23.5	26.2	25.9	25.4	22.3	25.3	24.5	22.5
42.5°	14.2	17.8	21.7	24.4	25.1	26.5	26.2	27.2	27.3	28.6	30.8
40°	16.1	19.9	24.3	26.2	25.6	29.6	35.5	38.5	34.6	41.8	47.9
37.5°	17.8	22.6	28.3	32.8	30.2	39.2	48.8	64.3	66.6	61.8	78.9
35°	19.3	25.7	37.6	48.0	50.6	54.8	81.9	106.6	121.9	112.9	126.0
32.5°	21.6	29.1	50.2	72.9	91.1	96.1	124.6	176.5	206.6	211.8	203.3
30°	25.4	40.9	69.1	104.5	144.9	181.2	206.2	265.4	314.7	368.6	400.7
27.5°	31.0	56.2	99.4	154.3	215.2	283.0	339.3	384.9	475.2	566.9	645.7
25°	37.6	87.3	134.0	216.5	313.3	406.8	485.1	555.1	674.1	817.2	1056.5
22.5°	53.9	127.3	191.9	286.5	422.5	540.8	646.5	755.2	900.5	1093.2	1593.8
20°	83.1	177.2	257.8	358.6	535.1	680.4	814.5	951.4	1133.4	1537.0	2635.2
17.5°	116.6	229.3	321.4	438.0	618.9	803.9	987.9	1138.6	1359.0	1954.7	3781.9
15°	153.5	282.9	378.7	510.7	698.4	899.7	1105.3	1321.0	1657.2	2511.4	4870.3
12.5°	192.5	337.1	430.4	576.7	773.1	990.8	1199.4	1433.0	1926.3	3356.0	6255.1
10°	232.3	391.0	477.0	635.9	842.4	1076.3	1283.5	1527.4	2137.1	3896.5	7222.1
7.5°	257.7	429.3	515.1	688.7	905.7	1155.2	1357.8	1605.2	2315.8	4239.6	7898.0
5°	277.0	448.9	527.6	712.4	947.3	1212.8	1415.3	1667.5	2459.7	4407.5	8365.1
2.5°	291.6	464.2	537.8	726.7	972.7	1239.7	1432.5	1691.0	2519.3	4508.9	8688.8
0°	301.5	475.3	545.8	735.0	990.3	1256.6	1441.4	1703.3	2528.6	4537.8	8846.6
-2.5°	318.0	484.1	562.3	749.8	999.6	1262.0	1448.8	1712.9	2565.6	4673.4	9087.7
-5°	330.1	489.2	576.2	759.0	1001.0	1258.1	1448.8	1710.6	2544.2	4626.2	8783.5
-7.5°	338.3	491.4	587.2	762.0	987.7	1230.5	1419.3	1661.8	2410.7	4328.7	7957.4
-10°	344.3	498.6	601.1	757.4	958.4	1185.7	1377.7	1602.6	2238.7	3910.7	7000.2
-12.5°	353.6	510.2	614.7	750.6	927.9	1134.3	1329.4	1533.9	2030.2	3372.4	5918.2
-15°	358.3	519.9	627.3	742.7	897.8	1077.3	1274.6	1456.4	1796.6	2722.8	4717.0
-17.5°	358.3	527.9	639.2	734.7	870.1	1015.3	1219.8	1400.2	1631.8	2323.3	3879.7
-20°	353.8	534.6	650.8	727.5	847.1	976.9	1175.1	1360.5	1564.5	2024.2	3049.0



REPORT NUMBER: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	344.7	540.4	658.3	733.2	838.7	960.9	1123.9	1313.1	1494.5	1704.7	2414.8
-25°	338.7	526.0	659.3	739.1	829.8	943.9	1068.8	1257.4	1429.2	1631.5	2080.8
-27.5°	334.7	506.0	647.2	740.5	818.8	927.2	1036.9	1191.7	1379.2	1567.2	1772.6
-30°	324.3	469.9	630.5	733.7	814.3	912.0	1015.3	1131.9	1321.7	1504.0	1693.2
-32.5°	303.7	431.9	593.3	711.6	807.0	895.1	993.4	1098.4	1248.6	1436.5	1610.3
-35°	279.9	402.5	547.5	684.0	792.7	878.4	968.3	1067.4	1178.0	1348.7	1541.9
-37.5°	257.6	368.3	500.5	643.0	757.3	860.9	939.3	1033.3	1136.1	1253.8	1446.7
-40°	231.3	329.4	456.3	590.6	718.6	832.3	920.6	995.9	1090.8	1210.7	1330.4
-42.5°	202.0	295.7	408.7	536.7	663.4	784.6	898.9	972.4	1056.3	1168.0	1282.6
-45°	177.8	257.6	357.7	476.1	598.3	724.6	840.8	955.6	1035.9	1125.5	1234.3
-47.5°	150.7	218.3	309.9	410.9	527.3	647.3	771.8	891.0	1013.7	1099.5	1184.9
-50°	124.7	184.7	256.8	349.7	451.1	564.3	681.4	812.3	935.9	1055.4	1154.4
-52.5°	108.3	148.1	212.8	287.8	378.0	476.4	588.2	709.2	836.6	963.5	1072.3
-55°	90.6	124.1	168.7	232.8	306.4	392.9	488.9	599.8	715.3	836.8	952.0
-57.5°	73.6	102.6	135.6	180.5	242.9	310.9	394.3	485.5	589.2	696.9	793.1
-60°	56.5	81.1	109.4	142.0	181.6	240.0	299.7	375.2	461.4	548.4	632.3
-62.5°	40.1	60.1	83.9	110.6	141.9	173.6	221.2	276.4	333.6	404.1	473.7
-65°	32.1	41.6	59.1	81.5	105.3	132.7	161.1	190.1	236.8	283.4	328.0
-67.5°	23.7	32.1	41.0	52.7	73.0	93.4	115.4	140.7	166.3	190.0	218.5
-70°	20.1	23.1	29.9	38.0	46.0	55.6	73.3	92.4	112.0	130.7	150.6
-72.5°	17.3	20.1	22.9	25.7	31.9	37.9	43.5	48.6	59.9	75.4	90.5
-75°	14.8	17.1	19.6	22.1	24.1	26.0	28.5	33.2	37.9	42.5	46.7
-77.5°	12.5	14.1	16.0	18.3	20.0	21.3	22.7	24.3	26.4	28.7	31.1
-80°	10.3	11.0	12.1	13.5	15.0	16.4	17.6	18.6	19.8	21.4	23.1
-82.5°	8.3	8.8	9.3	9.8	10.6	11.6	12.8	13.9	14.7	15.5	16.3
-85°	6.4	6.6	6.9	7.2	7.7	8.2	8.7	9.3	10.0	10.6	11.1
-87.5°	5.4	5.5	5.6	5.7	5.7	5.8	5.9	6.0	6.4	6.9	7.4
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



REPORT NUMBER: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.4	5.0	5.5	6.1	6.6	7.2	7.7	8.3	8.8	8.8	8.8
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	3.2	3.1	2.9	2.6	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	4.4	4.1	3.9	3.7	3.6	3.4	3.1	2.7	2.2	2.2	2.2
77.5°	4.4	4.4	4.4	4.4	4.4	4.0	3.4	2.8	2.3	2.2	2.2
75°	4.4	4.6	4.9	4.9	4.5	4.2	4.0	4.0	4.0	3.7	3.3
72.5°	7.9	7.8	7.4	7.4	7.1	7.1	7.1	6.8	6.3	6.2	6.2
70°	14.0	14.5	14.5	13.9	12.6	11.3	10.4	9.5	8.6	8.1	7.7
67.5°	21.7	21.9	20.7	18.7	15.6	12.8	11.7	10.5	9.3	9.0	9.5
65°	30.1	27.4	24.1	20.5	16.6	13.0	12.1	11.3	10.6	10.7	11.5
62.5°	37.1	30.0	24.1	19.9	16.3	13.0	12.0	11.0	10.1	9.5	9.3
60°	41.1	30.1	21.7	17.9	14.6	11.5	10.2	9.5	9.0	8.8	8.8
57.5°	41.1	28.5	18.9	15.5	12.5	9.8	8.8	8.8	8.8	8.8	8.8
55°	36.5	24.9	16.2	13.3	11.3	9.7	8.9	9.2	9.1	8.8	9.3
52.5°	28.6	20.6	15.0	12.5	11.6	11.1	10.8	10.7	10.5	10.2	10.6
50°	22.8	17.1	14.5	13.0	12.9	13.0	13.0	13.2	13.5	13.7	13.8
47.5°	19.0	16.0	16.3	15.1	15.6	17.0	17.3	17.5	18.1	18.2	17.8
45°	19.5	22.7	23.3	23.0	22.7	25.8	25.7	23.5	26.3	27.2	26.6
42.5°	32.4	35.0	36.9	38.5	40.5	42.8	44.2	43.4	45.9	45.9	43.0
40°	54.7	52.1	56.2	61.3	65.7	67.4	71.6	75.9	77.5	76.6	73.7
37.5°	89.7	85.8	86.1	97.3	107.6	95.4	113.4	120.5	116.0	132.0	135.2
35°	149.0	164.7	142.0	182.1	202.1	192.3	213.7	256.1	223.3	283.3	298.0
32.5°	264.8	302.7	326.4	360.4	410.2	475.7	492.2	596.7	630.2	678.6	730.7
30°	432.8	539.7	736.6	773.3	820.8	1046.7	1108.7	1165.6	1284.5	1376.2	1532.0
27.5°	786.4	1074.6	1486.3	1848.7	1822.2	2204.4	2629.7	2153.5	2860.1	2576.6	3254.4
25°	1472.7	2108.1	3100.7	4061.1	4519.5	5298.3	6272.2	6087.8	7372.8	7462.0	9357.4
22.5°	2800.9	4181.6	5699.3	7332.0	8915.8	10668.5	12352.8	14118.5	16773.1	20440.9	24005.6
20°	4582.8	6612.7	9064.0	11592.0	14272.6	16998.6	20165.6	25528.7	31027.6	38660.6	44053.0
17.5°	6513.5	9744.3	12753.4	15885.5	19633.1	24164.2	30715.2	39879.2	50994.5	62404.6	71231.5
15°	8200.1	11854.9	16192.4	20367.9	25028.1	31829.4	42118.4	55692.1	72222.0	89567.8	110543.0
12.5°	9831.9	13649.5	18363.1	23644.6	29977.4	39712.0	53049.1	71392.5	93290.6	119356.1	146296.3
10°	11098.2	15287.2	20533.3	26481.2	34210.6	46166.7	61665.3	83322.1	115771.8	146541.9	177305.7
7.5°	12087.9	16800.1	22357.2	28599.6	37599.5	51062.1	69604.9	96866.9	131152.7	164444.9	192780.7
5°	12967.4	18044.3	23592.9	29793.6	40039.0	54623.9	74591.9	105726.2	142313.8	175033.7	201997.5
2.5°	13660.3	18857.7	24271.7	30391.6	41609.5	56590.1	77221.8	110480.7	149508.0	181811.2	207558.0
0°	14079.8	19002.7	24385.5	30518.7	41728.8	57481.1	79274.2	112561.3	152074.0	185127.9	210450.8
-2.5°	13929.5	18677.8	24016.4	30145.3	41335.3	56646.1	77623.5	111507.0	149899.6	180824.5	206292.7
-5°	13180.7	17614.8	22572.1	28338.7	38724.3	53474.4	72944.0	103842.1	139929.5	170801.9	194767.6
-7.5°	12000.2	16129.2	20680.5	26019.0	35000.1	48328.7	66070.6	92364.7	125125.0	153610.8	175238.5
-10°	10679.4	14406.9	18350.3	23078.7	30098.9	41412.6	56228.3	76305.8	104402.3	130014.5	150463.9
-12.5°	9092.0	12193.1	15508.0	19585.6	24906.4	34129.9	46586.4	62873.3	82408.8	105200.2	123817.1
-15°	7442.1	10049.2	12793.0	16617.9	21155.8	27031.2	35985.0	48933.0	63433.8	79000.6	95892.1
-17.5°	5976.2	8183.6	11092.7	14314.3	17772.9	21861.5	29264.7	38088.7	48583.1	59686.5	69881.0
-20°	4800.7	7141.8	9755.2	12556.9	15734.9	19666.3	24214.2	30918.2	38700.6	47224.1	55390.6



REPORT NUMBER: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3949.2	6048.7	8475.5	11103.5	14318.6	17857.8	21541.0	25748.4	31333.2	37886.3	44160.0
-25°	3007.8	4762.3	7116.5	9766.9	12728.7	15849.8	18839.5	22269.2	26352.1	30615.8	35008.9
-27.5°	2384.2	3622.6	5555.7	8044.6	10785.1	13228.8	15790.2	18646.0	22216.5	25926.1	28370.4
-30°	1946.0	2671.0	4122.1	6066.7	8357.1	10513.6	12616.7	15183.4	17986.3	20648.6	22809.5
-32.5°	1817.8	2142.2	2893.0	4279.0	5999.2	7924.0	9812.1	12103.2	14278.6	16385.5	18243.3
-35°	1727.4	1934.8	2218.0	2941.0	3977.2	5541.4	7266.5	9205.3	11168.7	12870.7	14446.4
-37.5°	1643.1	1823.2	2010.6	2197.2	2780.5	3496.4	4711.3	6244.8	7734.2	9111.4	10467.8
-40°	1522.9	1720.2	1871.6	2031.1	2204.6	2401.7	3037.5	3664.1	4393.2	5449.4	6374.7
-42.5°	1395.3	1559.7	1732.2	1881.6	2026.6	2178.1	2338.4	2497.7	2830.9	3245.4	3584.7
-45°	1342.1	1440.9	1559.5	1715.4	1861.2	1997.3	2127.7	2253.8	2387.0	2508.6	2607.9
-47.5°	1278.3	1368.2	1464.1	1565.8	1672.8	1804.2	1933.2	2061.6	2178.1	2286.4	2372.8
-50°	1219.4	1290.1	1375.7	1462.2	1547.8	1635.9	1724.9	1824.0	1935.4	2045.0	2135.2
-52.5°	1171.2	1236.0	1297.2	1358.5	1433.0	1507.7	1582.5	1661.4	1737.4	1809.3	1865.4
-55°	1054.2	1145.4	1235.1	1293.0	1343.1	1394.0	1450.6	1521.3	1588.7	1652.5	1690.1
-57.5°	894.9	1000.5	1097.5	1165.8	1235.8	1306.6	1365.1	1415.6	1466.5	1515.2	1541.8
-60°	717.8	804.5	892.3	973.8	1051.6	1125.0	1193.2	1259.5	1320.9	1372.6	1403.9
-62.5°	542.6	614.6	685.8	753.9	819.4	883.3	955.9	1025.9	1092.5	1146.8	1180.3
-65°	377.7	436.7	492.0	545.0	595.8	650.2	706.6	761.5	814.2	856.0	883.5
-67.5°	256.9	293.2	326.2	357.7	396.3	438.1	479.6	518.1	553.4	580.6	599.8
-70°	170.7	190.1	207.5	227.9	253.1	278.6	304.3	328.0	349.7	365.9	378.1
-72.5°	105.0	118.4	131.0	144.7	157.6	171.0	184.9	198.6	211.8	221.3	228.5
-75°	50.5	56.7	67.8	77.9	87.0	95.5	103.2	110.0	115.8	119.6	122.0
-77.5°	34.4	37.3	40.0	42.8	45.6	49.0	52.5	55.8	59.0	61.5	63.7
-80°	24.9	26.3	27.6	28.7	29.6	31.1	32.7	34.2	35.8	36.4	36.8
-82.5°	17.2	18.3	19.5	20.6	21.7	22.7	23.7	24.6	25.5	26.3	27.0
-85°	11.6	12.2	12.8	13.5	14.1	14.9	15.7	16.4	17.1	17.3	17.4
-87.5°	8.0	8.2	8.4	8.5	8.6	9.2	9.8	10.3	10.9	10.9	11.0
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.7	1.1



REPORT NUMBER: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.3
87.5°	2.2	2.2	1.1	0.0	1.1	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.7
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.8
75°	2.8	2.2	2.2	2.2	2.2	2.2	2.8	3.3	3.7	4.0	4.0
72.5°	6.4	6.5	5.5	4.4	5.5	6.5	6.4	6.2	6.2	6.3	6.8
70°	7.2	6.7	6.6	6.6	6.6	6.7	7.2	7.7	8.1	8.6	9.5
67.5°	10.1	10.8	11.0	11.0	11.0	10.8	10.1	9.5	9.0	9.3	10.5
65°	12.3	13.0	12.2	11.0	12.2	13.0	12.3	11.5	10.7	10.6	11.3
62.5°	9.2	9.0	8.8	8.8	8.8	9.0	9.2	9.3	9.5	10.1	11.0
60°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	9.0	9.5
57.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
55°	9.9	10.6	11.0	11.0	11.0	10.6	9.9	9.3	8.8	9.1	9.2
52.5°	10.9	11.0	11.0	11.0	11.0	11.0	10.9	10.6	10.2	10.5	10.7
50°	13.7	13.3	13.2	13.2	13.2	13.3	13.7	13.8	13.7	13.5	13.2
47.5°	17.1	16.0	15.4	15.4	15.4	16.0	17.1	17.8	18.2	18.1	17.5
45°	26.7	26.3	26.2	26.4	26.2	26.3	26.7	26.6	27.2	26.3	23.5
42.5°	44.6	45.4	44.6	41.8	44.6	45.4	44.6	43.0	45.9	45.9	43.4
40°	73.8	70.9	67.1	66.0	67.1	70.9	73.8	73.7	76.6	77.5	75.9
37.5°	136.9	136.8	133.7	132.0	133.7	136.8	136.9	135.2	132.0	116.0	120.5
35°	288.1	285.8	270.1	255.3	270.1	285.8	288.1	298.0	283.3	223.3	256.1
32.5°	748.3	788.0	784.3	761.4	784.3	788.0	748.3	730.7	678.6	630.2	596.7
30°	1592.0	1663.0	1648.0	1553.7	1648.0	1663.0	1592.0	1532.0	1376.2	1284.5	1165.6
27.5°	3290.4	3456.7	3603.3	3411.0	3603.3	3456.7	3290.4	3254.4	2576.6	2860.1	2153.5
25°	11255.1	12337.4	12977.8	11982.6	12977.8	12337.4	11255.1	9357.4	7462.0	7372.8	6087.8
22.5°	26861.3	28210.2	28929.9	29341.3	28929.9	28210.2	26861.3	24005.6	20440.9	16773.1	14118.5
20°	49272.8	52157.0	54004.6	50282.8	54004.6	52157.0	49272.8	44053.0	38660.6	31027.6	25528.7
17.5°	83476.6	94113.9	99714.5	102757.4	99714.5	94113.9	83476.6	71231.5	62404.6	50994.5	39879.2
15°	126730.6	140341.0	149532.0	153130.4	149532.0	140341.0	126730.6	110543.0	89567.8	72222.0	55692.1
12.5°	167627.7	181671.7	190151.8	192283.3	190151.8	181671.7	167627.7	146296.3	119356.1	93290.6	71392.5
10°	196716.6	209949.2	219704.2	223128.8	219704.2	209949.2	196716.6	177305.7	146541.9	115771.8	83322.1
7.5°	212910.6	228378.6	236976.3	239116.6	236976.3	228378.6	212910.6	192780.7	164444.9	131152.7	96866.9
5°	222230.6	236206.1	245604.4	246744.0	245604.4	236206.1	222230.6	201997.5	175033.7	142313.8	105726.2
2.5°	228239.8	241907.5	249814.9	252138.9	249814.9	241907.5	228239.8	207558.0	181811.2	149508.0	110480.7
0°	229714.3	242281.1	251834.1	254807.2	251834.1	242281.1	229714.3	210450.8	185127.9	152074.0	112561.3
-2.5°	225249.5	237372.6	243736.1	244767.9	243736.1	237372.6	225249.5	206292.7	180824.5	149899.6	111507.0
-5°	213847.8	222813.7	230159.8	231099.6	230159.8	222813.7	213847.8	194767.6	170801.9	139929.5	103842.1
-7.5°	189628.7	199686.4	203749.5	204849.1	203749.5	199686.4	189628.7	175238.5	153610.8	125125.0	92364.7
-10°	163859.9	172476.2	175354.7	176908.4	175354.7	172476.2	163859.9	150463.9	130014.5	104402.3	76305.8
-12.5°	138632.2	147057.6	149888.8	152137.9	149888.8	147057.6	138632.2	123817.1	105200.2	82408.8	62873.3
-15°	110366.5	118663.4	123237.5	125769.6	123237.5	118663.4	110366.5	95892.1	79000.6	63433.8	48933.0
-17.5°	82818.8	90698.3	96022.1	99119.7	96022.1	90698.3	82818.8	69881.0	59686.5	48583.1	38088.7
-20°	62796.3	68129.1	72226.0	74657.2	72226.0	68129.1	62796.3	55390.6	47224.1	38700.6	30918.2



REPORT NUMBER: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	49053.3	52746.8	55120.2	56673.5	55120.2	52746.8	49053.3	44160.0	37886.3	31333.2	25748.4
-25°	38338.1	40762.1	42297.0	43553.2	42297.0	40762.1	38338.1	35008.9	30615.8	26352.1	22269.2
-27.5°	30355.7	31655.3	32333.7	33256.3	32333.7	31655.3	30355.7	28370.4	25926.1	22216.5	18646.0
-30°	24402.9	25400.2	25939.4	26139.4	25939.4	25400.2	24402.9	22809.5	20648.6	17986.3	15183.4
-32.5°	19640.3	20582.3	21262.8	21581.8	21262.8	20582.3	19640.3	18243.3	16385.5	14278.6	12103.2
-35°	15669.1	16455.1	16991.4	17286.1	16991.4	16455.1	15669.1	14446.4	12870.7	11168.7	9205.3
-37.5°	11591.0	12453.4	13043.8	13245.7	13043.8	12453.4	11591.0	10467.8	9111.4	7734.2	6244.8
-40°	7111.5	7660.9	8015.4	8164.4	8015.4	7660.9	7111.5	6374.7	5449.4	4393.2	3664.1
-42.5°	3849.4	4051.0	4191.1	4271.5	4191.1	4051.0	3849.4	3584.7	3245.4	2830.9	2497.7
-45°	2672.1	2723.1	2755.5	2768.4	2755.5	2723.1	2672.1	2607.9	2508.6	2387.0	2253.8
-47.5°	2436.0	2491.2	2520.5	2522.0	2520.5	2491.2	2436.0	2372.8	2286.4	2178.1	2061.6
-50°	2206.5	2266.5	2296.8	2299.7	2296.8	2266.5	2206.5	2135.2	2045.0	1935.4	1824.0
-52.5°	1916.4	1963.9	1984.6	1982.8	1984.6	1963.9	1916.4	1865.4	1809.3	1737.4	1661.4
-55°	1722.7	1751.1	1763.6	1764.9	1763.6	1751.1	1722.7	1690.1	1652.5	1588.7	1521.3
-57.5°	1565.7	1586.7	1594.1	1593.3	1594.1	1586.7	1565.7	1541.8	1515.2	1466.5	1415.6
-60°	1431.2	1454.0	1460.4	1456.8	1460.4	1454.0	1431.2	1403.9	1372.6	1320.9	1259.5
-62.5°	1207.6	1228.5	1238.9	1241.2	1238.9	1228.5	1207.6	1180.3	1146.8	1092.5	1025.9
-65°	905.1	920.8	929.0	930.9	929.0	920.8	905.1	883.5	856.0	814.2	761.5
-67.5°	614.8	625.4	628.7	627.2	628.7	625.4	614.8	599.8	580.6	553.4	518.1
-70°	387.9	395.3	397.2	396.1	397.2	395.3	387.9	378.1	365.9	349.7	328.0
-72.5°	234.4	238.8	239.2	237.7	239.2	238.8	234.4	228.5	221.3	211.8	198.6
-75°	123.5	124.1	124.0	123.2	124.0	124.1	123.5	122.0	119.6	115.8	110.0
-77.5°	65.7	67.6	67.0	66.0	67.0	67.6	65.7	63.7	61.5	59.0	55.8
-80°	37.1	37.3	37.4	37.4	37.4	37.3	37.1	36.8	36.4	35.8	34.2
-82.5°	27.8	28.5	27.5	26.4	27.5	28.5	27.8	27.0	26.3	25.5	24.6
-85°	17.5	17.5	17.6	17.6	17.6	17.5	17.5	17.4	17.3	17.1	16.4
-87.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	10.9	10.9	10.3
-90°	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.7	2.2	2.2



REPORT NUMBER: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.7	7.2	6.6	6.1	5.5	5.0	4.4	4.4	4.4	4.4	4.4
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.6	2.9	3.1	3.2	3.0	2.8	2.7	2.5
80°	3.1	3.4	3.6	3.7	3.9	4.1	4.4	4.4	4.4	4.3	3.9
77.5°	3.4	4.0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.2
75°	4.0	4.2	4.5	4.9	4.9	4.6	4.4	4.4	4.4	4.4	4.2
72.5°	7.1	7.1	7.1	7.4	7.4	7.8	7.9	7.6	6.8	5.4	4.4
70°	10.4	11.3	12.6	13.9	14.5	14.5	14.0	13.3	12.4	11.5	9.2
67.5°	11.7	12.8	15.6	18.7	20.7	21.9	21.7	20.5	19.2	18.0	14.5
65°	12.1	13.0	16.6	20.5	24.1	27.4	30.1	30.2	28.8	25.8	19.8
62.5°	12.0	13.0	16.3	19.9	24.1	30.0	37.1	40.3	40.5	35.4	27.5
60°	10.2	11.5	14.6	17.9	21.7	30.1	41.1	49.3	54.7	46.7	35.4
57.5°	8.8	9.8	12.5	15.5	18.9	28.5	41.1	55.3	64.6	53.7	43.4
55°	8.9	9.7	11.3	13.3	16.2	24.9	36.5	50.4	60.3	56.1	44.9
52.5°	10.8	11.1	11.6	12.5	15.0	20.6	28.6	41.5	48.4	46.4	42.1
50°	13.0	13.0	12.9	13.0	14.5	17.1	22.8	31.7	34.9	36.6	34.6
47.5°	17.3	17.0	15.6	15.1	16.3	16.0	19.0	22.9	27.2	27.6	27.7
45°	25.7	25.8	22.7	23.0	23.3	22.7	19.5	22.5	24.5	25.3	22.3
42.5°	44.2	42.8	40.5	38.5	36.9	35.0	32.4	30.8	28.6	27.3	27.2
40°	71.6	67.4	65.7	61.3	56.2	52.1	54.7	47.9	41.8	34.6	38.5
37.5°	113.4	95.4	107.6	97.3	86.1	85.8	89.7	78.9	61.8	66.6	64.3
35°	213.7	192.3	202.1	182.1	142.0	164.7	149.0	126.0	112.9	121.9	106.6
32.5°	492.2	475.7	410.2	360.4	326.4	302.7	264.8	203.3	211.8	206.6	176.5
30°	1108.7	1046.7	820.8	773.3	736.6	539.7	432.8	400.7	368.6	314.7	265.4
27.5°	2629.7	2204.4	1822.2	1848.7	1486.3	1074.6	786.4	645.7	566.9	475.2	384.9
25°	6272.2	5298.3	4519.5	4061.1	3100.7	2108.1	1472.7	1056.5	817.2	674.1	555.1
22.5°	12352.8	10668.5	8915.8	7332.0	5699.3	4181.6	2800.9	1593.8	1093.2	900.5	755.2
20°	20165.6	16998.6	14272.6	11592.0	9064.0	6612.7	4582.8	2635.2	1537.0	1133.4	951.4
17.5°	30715.2	24164.2	19633.1	15885.5	12753.4	9744.3	6513.5	3781.9	1954.7	1359.0	1138.6
15°	42118.4	31829.4	25028.1	20367.9	16192.4	11854.9	8200.1	4870.3	2511.4	1657.2	1321.0
12.5°	53049.1	39712.0	29977.4	23644.6	18363.1	13649.5	9831.9	6255.1	3356.0	1926.3	1433.0
10°	61665.3	46166.7	34210.6	26481.2	20533.3	15287.2	11098.2	7222.1	3896.5	2137.1	1527.4
7.5°	69604.9	51062.1	37599.5	28599.6	22357.2	16800.1	12087.9	7898.0	4239.6	2315.8	1605.2
5°	74591.9	54623.9	40039.0	29793.6	23592.9	18044.3	12967.4	8365.1	4407.5	2459.7	1667.5
2.5°	77221.8	56590.1	41609.5	30391.6	24271.7	18857.7	13660.3	8688.8	4508.9	2519.3	1691.0
0°	79274.2	57481.1	41728.8	30518.7	24385.5	19002.7	14079.8	8846.6	4537.8	2528.6	1703.3
-2.5°	77623.5	56646.1	41335.3	30145.3	24016.4	18677.8	13929.5	9087.7	4673.4	2565.6	1712.9
-5°	72944.0	53474.4	38724.3	28338.7	22572.1	17614.8	13180.7	8783.5	4626.2	2544.2	1710.6
-7.5°	66070.6	48328.7	35000.1	26019.0	20680.5	16129.2	12000.2	7957.4	4328.7	2410.7	1661.8
-10°	56228.3	41412.6	30098.9	23078.7	18350.3	14406.9	10679.4	7000.2	3910.7	2238.7	1602.6
-12.5°	46586.4	34129.9	24906.4	19585.6	15508.0	12193.1	9092.0	5918.2	3372.4	2030.2	1533.9
-15°	35985.0	27031.2	21155.8	16617.9	12793.0	10049.2	7442.1	4717.0	2722.8	1796.6	1456.4
-17.5°	29264.7	21861.5	17772.9	14314.3	11092.7	8183.6	5976.2	3879.7	2323.3	1631.8	1400.2
-20°	24214.2	19666.3	15734.9	12556.9	9755.2	7141.8	4800.7	3049.0	2024.2	1564.5	1360.5



REPORT NUMBER: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	21541.0	17857.8	14318.6	11103.5	8475.5	6048.7	3949.2	2414.8	1704.7	1494.5	1313.1
-25°	18839.5	15849.8	12728.7	9766.9	7116.5	4762.3	3007.8	2080.8	1631.5	1429.2	1257.4
-27.5°	15790.2	13228.8	10785.1	8044.6	5555.7	3622.6	2384.2	1772.6	1567.2	1379.2	1191.7
-30°	12616.7	10513.6	8357.1	6066.7	4122.1	2671.0	1946.0	1693.2	1504.0	1321.7	1131.9
-32.5°	9812.1	7924.0	5999.2	4279.0	2893.0	2142.2	1817.8	1610.3	1436.5	1248.6	1098.4
-35°	7266.5	5541.4	3977.2	2941.0	2218.0	1934.8	1727.4	1541.9	1348.7	1178.0	1067.4
-37.5°	4711.3	3496.4	2780.5	2197.2	2010.6	1823.2	1643.1	1446.7	1253.8	1136.1	1033.3
-40°	3037.5	2401.7	2204.6	2031.1	1871.6	1720.2	1522.9	1330.4	1210.7	1090.8	995.9
-42.5°	2338.4	2178.1	2026.6	1881.6	1732.2	1559.7	1395.3	1282.6	1168.0	1056.3	972.4
-45°	2127.7	1997.3	1861.2	1715.4	1559.5	1440.9	1342.1	1234.3	1125.5	1035.9	955.6
-47.5°	1933.2	1804.2	1672.8	1565.8	1464.1	1368.2	1278.3	1184.9	1099.5	1013.7	891.0
-50°	1724.9	1635.9	1547.8	1462.2	1375.7	1290.1	1219.4	1154.4	1055.4	935.9	812.3
-52.5°	1582.5	1507.7	1433.0	1358.5	1297.2	1236.0	1171.2	1072.3	963.5	836.6	709.2
-55°	1450.6	1394.0	1343.1	1293.0	1235.1	1145.4	1054.2	952.0	836.8	715.3	599.8
-57.5°	1365.1	1306.6	1235.8	1165.8	1097.5	1000.5	894.9	793.1	696.9	589.2	485.5
-60°	1193.2	1125.0	1051.6	973.8	892.3	804.5	717.8	632.3	548.4	461.4	375.2
-62.5°	955.9	883.3	819.4	753.9	685.8	614.6	542.6	473.7	404.1	333.6	276.4
-65°	706.6	650.2	595.8	545.0	492.0	436.7	377.7	328.0	283.4	236.8	190.1
-67.5°	479.6	438.1	396.3	357.7	326.2	293.2	256.9	218.5	190.0	166.3	140.7
-70°	304.3	278.6	253.1	227.9	207.5	190.1	170.7	150.6	130.7	112.0	92.4
-72.5°	184.9	171.0	157.6	144.7	131.0	118.4	105.0	90.5	75.4	59.9	48.6
-75°	103.2	95.5	87.0	77.9	67.8	56.7	50.5	46.7	42.5	37.9	33.2
-77.5°	52.5	49.0	45.6	42.8	40.0	37.3	34.4	31.1	28.7	26.4	24.3
-80°	32.7	31.1	29.6	28.7	27.6	26.3	24.9	23.1	21.4	19.8	18.6
-82.5°	23.7	22.7	21.7	20.6	19.5	18.3	17.2	16.3	15.5	14.7	13.9
-85°	15.7	14.9	14.1	13.5	12.8	12.2	11.6	11.1	10.6	10.0	9.3
-87.5°	9.8	9.2	8.6	8.5	8.4	8.2	8.0	7.4	6.9	6.4	6.0
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



REPORT NUMBER: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.2
80°	3.3	2.8	2.4	2.2	2.3	2.2	2.2	2.3	2.5	2.6	2.5
77.5°	3.7	3.2	2.6	2.3	2.7	2.8	2.7	2.5	2.8	3.0	3.1
75°	3.7	3.1	2.5	2.4	2.9	3.5	3.6	3.4	3.3	3.5	3.6
72.5°	4.1	3.6	2.9	2.5	3.0	3.6	4.1	4.2	3.9	3.8	4.0
70°	6.8	4.9	4.0	3.5	3.4	3.6	4.2	4.4	4.4	4.1	4.2
67.5°	11.1	8.3	6.2	4.6	4.1	4.0	4.3	4.4	4.4	4.4	4.3
65°	15.7	12.0	8.6	6.4	4.9	4.3	4.4	4.4	4.4	4.4	4.4
62.5°	20.9	15.8	11.9	8.3	5.9	4.7	4.4	4.4	4.4	4.4	4.4
60°	26.3	19.8	15.0	11.0	7.3	4.9	4.4	4.4	4.4	4.4	4.4
57.5°	32.2	23.2	17.9	13.5	9.5	5.9	4.4	4.4	4.4	4.4	4.4
55°	36.0	27.2	20.9	15.7	11.4	7.5	5.0	4.4	4.4	4.4	4.4
52.5°	34.3	29.4	24.4	18.1	13.1	9.2	6.7	4.4	4.4	4.4	4.4
50°	29.7	29.1	26.2	20.8	14.6	11.1	8.4	5.7	4.4	4.4	4.4
47.5°	26.7	27.8	26.5	22.7	16.7	13.1	10.2	7.2	4.4	4.4	4.4
45°	25.4	25.9	26.2	23.5	19.4	15.5	12.2	8.6	5.6	4.5	4.4
42.5°	26.2	26.5	25.1	24.4	21.7	17.8	14.2	10.4	6.8	4.6	4.5
40°	35.5	29.6	25.6	26.2	24.3	19.9	16.1	12.3	8.0	5.1	4.7
37.5°	48.8	39.2	30.2	32.8	28.3	22.6	17.8	14.2	9.4	6.3	4.9
35°	81.9	54.8	50.6	48.0	37.6	25.7	19.3	15.9	11.2	7.3	5.1
32.5°	124.6	96.1	91.1	72.9	50.2	29.1	21.6	17.4	12.8	8.4	5.4
30°	206.2	181.2	144.9	104.5	69.1	40.9	25.4	19.4	14.4	9.4	5.9
27.5°	339.3	283.0	215.2	154.3	99.4	56.2	31.0	21.6	15.9	10.4	6.7
25°	485.1	406.8	313.3	216.5	134.0	87.3	37.6	24.2	17.6	11.6	7.5
22.5°	646.5	540.8	422.5	286.5	191.9	127.3	53.9	29.4	19.4	12.8	8.2
20°	814.5	680.4	535.1	358.6	257.8	177.2	83.1	35.0	21.4	13.8	8.8
17.5°	987.9	803.9	618.9	438.0	321.4	229.3	116.6	40.9	23.5	14.8	9.4
15°	1105.3	899.7	698.4	510.7	378.7	282.9	153.5	47.1	25.6	15.6	10.2
12.5°	1199.4	990.8	773.1	576.7	430.4	337.1	192.5	53.4	27.7	17.1	11.1
10°	1283.5	1076.3	842.4	635.9	477.0	391.0	232.3	59.9	31.5	19.0	12.1
7.5°	1357.8	1155.2	905.7	688.7	515.1	429.3	257.7	66.7	35.4	21.0	13.0
5°	1415.3	1212.8	947.3	712.4	527.6	448.9	277.0	72.9	39.2	22.9	13.9
2.5°	1432.5	1239.7	972.7	726.7	537.8	464.2	291.6	78.6	42.8	24.7	14.7
0°	1441.4	1256.6	990.3	735.0	545.8	475.3	301.5	83.6	46.2	26.4	15.4
-2.5°	1448.8	1262.0	999.6	749.8	562.3	484.1	318.0	107.8	62.4	35.5	19.5
-5°	1448.8	1258.1	1001.0	759.0	576.2	489.2	330.1	130.8	77.8	44.2	23.4
-7.5°	1419.3	1230.5	987.7	762.0	587.2	491.4	338.3	152.1	92.2	52.2	27.1
-10°	1377.7	1185.7	958.4	757.4	601.1	498.6	344.3	171.4	105.1	59.4	30.5
-12.5°	1329.4	1134.3	927.9	750.6	614.7	510.2	353.6	188.5	116.2	65.5	33.4
-15°	1274.6	1077.3	897.8	742.7	627.3	519.9	358.3	202.4	124.8	70.5	35.9
-17.5°	1219.8	1015.3	870.1	734.7	639.2	527.9	358.3	212.8	131.2	74.3	38.2
-20°	1175.1	976.9	847.1	727.5	650.8	534.6	353.8	219.1	135.2	76.7	40.3



REPORT NUMBER: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1123.9	960.9	838.7	733.2	658.3	540.4	344.7	221.1	136.7	77.5	41.7
-25°	1068.8	943.9	829.8	739.1	659.3	526.0	338.7	218.3	135.4	76.7	42.2
-27.5°	1036.9	927.2	818.8	740.5	647.2	506.0	334.7	216.4	132.5	74.1	42.0
-30°	1015.3	912.0	814.3	733.7	630.5	469.9	324.3	210.8	129.3	72.4	40.9
-32.5°	993.4	895.1	807.0	711.6	593.3	431.9	303.7	201.4	123.7	71.0	40.0
-35°	968.3	878.4	792.7	684.0	547.5	402.5	279.9	187.9	115.6	68.4	38.7
-37.5°	939.3	860.9	757.3	643.0	500.5	368.3	257.6	171.2	105.0	64.5	36.6
-40°	920.6	832.3	718.6	590.6	456.3	329.4	231.3	154.4	97.5	59.4	33.8
-42.5°	898.9	784.6	663.4	536.7	408.7	295.7	202.0	135.1	88.9	54.6	30.2
-45°	840.8	724.6	598.3	476.1	357.7	257.6	177.8	115.0	79.1	49.6	26.9
-47.5°	771.8	647.3	527.3	410.9	309.9	218.3	150.7	102.8	68.4	43.6	24.4
-50°	681.4	564.3	451.1	349.7	256.8	184.7	124.7	89.4	59.5	36.0	21.5
-52.5°	588.2	476.4	378.0	287.8	212.8	148.1	108.3	75.2	49.7	30.5	18.2
-55°	488.9	392.9	306.4	232.8	168.7	124.1	90.6	62.6	38.9	25.9	14.8
-57.5°	394.3	310.9	242.9	180.5	135.6	102.6	73.6	48.9	32.0	21.0	14.1
-60°	299.7	240.0	181.6	142.0	109.4	81.1	56.5	36.8	26.2	16.7	13.2
-62.5°	221.2	173.6	141.9	110.6	83.9	60.1	40.1	30.0	20.1	15.5	12.1
-65°	161.1	132.7	105.3	81.5	59.1	41.6	32.1	22.9	17.5	14.1	11.1
-67.5°	115.4	93.4	73.0	52.7	41.0	32.1	23.7	19.2	15.7	12.6	10.0
-70°	73.3	55.6	46.0	38.0	29.9	23.1	20.1	16.9	13.8	11.3	8.9
-72.5°	43.5	37.9	31.9	25.7	22.9	20.1	17.3	14.6	12.3	10.0	7.7
-75°	28.5	26.0	24.1	22.1	19.6	17.1	14.8	12.9	10.8	8.7	6.9
-77.5°	22.7	21.3	20.0	18.3	16.0	14.1	12.5	11.2	9.3	7.6	6.2
-80°	17.6	16.4	15.0	13.5	12.1	11.0	10.3	9.5	8.0	6.6	5.4
-82.5°	12.8	11.6	10.6	9.8	9.3	8.8	8.3	7.7	6.6	5.5	4.9
-85°	8.7	8.2	7.7	7.2	6.9	6.6	6.4	6.2	5.6	5.1	4.7
-87.5°	5.9	5.8	5.7	5.7	5.6	5.5	5.4	5.3	5.0	4.8	4.6
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



REPORT NUMBER: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	2.2	2.3	2.4	2.4	2.4	3.3	4.4
85°	2.2	2.4	2.6	2.6	2.6	3.4	4.4
82.5°	2.2	2.6	2.8	2.8	2.8	3.5	4.4
80°	2.3	2.7	3.0	3.1	3.0	3.5	4.4
77.5°	2.9	2.9	3.2	3.3	3.2	3.6	4.4
75°	3.4	3.3	3.4	3.5	3.4	3.6	4.4
72.5°	4.0	3.6	3.6	3.8	3.6	3.7	4.4
70°	4.4	4.0	3.8	4.0	3.7	3.7	4.4
67.5°	4.4	4.3	4.0	4.0	3.9	3.8	4.4
65°	4.4	4.4	4.1	4.1	4.1	3.8	4.4
62.5°	4.4	4.4	4.3	4.2	4.2	3.9	4.4
60°	4.4	4.4	4.4	4.2	4.4	3.9	4.4
57.5°	4.4	4.4	4.4	4.3	4.4	4.0	4.4
55°	4.4	4.4	4.4	4.3	4.4	4.0	4.4
52.5°	4.4	4.4	4.4	4.4	4.4	4.1	4.4
50°	4.4	4.4	4.4	4.4	4.4	4.1	4.4
47.5°	4.4	4.4	4.4	4.4	4.4	4.1	4.4
45°	4.4	4.4	4.4	4.4	4.4	4.2	4.4
42.5°	4.4	4.4	4.4	4.4	4.4	4.2	4.4
40°	4.4	4.4	4.4	4.4	4.4	4.2	4.4
37.5°	4.4	4.4	4.4	4.4	4.4	4.3	4.4
35°	4.4	4.4	4.4	4.4	4.4	4.3	4.4
32.5°	4.5	4.4	4.4	4.4	4.4	4.3	4.4
30°	4.7	4.4	4.4	4.4	4.4	4.3	4.4
27.5°	4.9	4.4	4.4	4.4	4.4	4.3	4.4
25°	5.2	4.4	4.4	4.4	4.4	4.4	4.4
22.5°	5.5	4.4	4.4	4.4	4.4	4.4	4.4
20°	5.8	4.6	4.4	4.4	4.4	4.4	4.4
17.5°	6.1	4.8	4.4	4.4	4.4	4.4	4.4
15°	6.6	5.0	4.4	4.4	4.4	4.4	4.4
12.5°	7.0	5.3	4.4	4.4	4.4	4.4	4.4
10°	7.4	5.5	4.4	4.4	4.4	4.4	4.4
7.5°	7.8	5.8	4.4	4.4	4.4	4.4	4.4
5°	8.2	6.1	4.4	4.4	4.4	4.4	4.4
2.5°	8.5	6.3	4.4	4.4	4.4	4.4	4.4
0°	8.8	6.6	4.4	4.4	4.4	4.4	4.4
-2.5°	10.8	7.3	4.6	4.4	4.4	4.4	4.4
-5°	12.8	8.0	4.8	4.4	4.4	4.4	4.4
-7.5°	14.7	8.6	5.0	4.4	4.4	4.4	4.4
-10°	16.4	9.2	5.1	4.4	4.4	4.4	4.4
-12.5°	17.9	9.7	5.3	4.4	4.4	4.4	4.4
-15°	19.1	10.1	5.4	4.4	4.4	4.4	4.4
-17.5°	20.1	10.3	5.5	4.4	4.4	4.4	4.4
-20°	20.9	10.5	5.5	4.4	4.4	4.4	4.4



REPORT NUMBER: P731606 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	21.7	10.5	5.6	4.4	4.4	4.4	4.4
-25°	22.0	10.6	5.6	4.4	4.4	4.4	4.4
-27.5°	21.9	10.6	5.5	4.4	4.4	4.4	4.4
-30°	21.3	10.4	5.4	4.4	4.4	4.4	4.4
-32.5°	20.3	10.0	5.5	4.4	4.4	4.4	4.4
-35°	19.5	9.3	5.6	4.4	4.4	4.4	4.4
-37.5°	18.7	8.8	5.6	4.4	4.4	4.4	4.4
-40°	17.6	8.8	5.5	4.4	4.4	4.4	4.4
-42.5°	16.2	8.7	5.5	4.4	4.4	4.4	4.4
-45°	14.5	8.6	5.6	4.5	4.4	4.4	4.4
-47.5°	12.4	8.4	5.7	4.5	4.4	4.4	4.4
-50°	11.8	8.1	5.7	4.6	4.4	4.4	4.4
-52.5°	11.4	7.8	5.6	4.6	4.4	4.4	4.4
-55°	10.9	7.5	5.5	4.6	4.4	4.4	4.4
-57.5°	10.3	7.3	5.4	4.6	4.4	4.4	4.4
-60°	9.6	6.9	5.2	4.6	4.4	4.4	4.4
-62.5°	9.0	6.5	5.1	4.5	4.4	4.4	4.4
-65°	8.3	6.1	5.0	4.5	4.4	4.4	4.4
-67.5°	7.4	5.7	4.9	4.5	4.4	4.4	4.4
-70°	6.5	5.4	4.8	4.4	4.4	4.4	4.4
-72.5°	6.0	5.2	4.6	4.4	4.4	4.4	4.4
-75°	5.5	4.8	4.4	4.4	4.4	4.4	4.4
-77.5°	5.0	4.5	4.4	4.4	4.4	4.4	4.4
-80°	4.5	4.4	4.4	4.4	4.4	4.4	4.4
-82.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
-85°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
-87.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
-90°	2.2	2.2	2.2	2.2	2.2	3.3	4.4

(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

