

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: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-40-70-3S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-18)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-40-70-3S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

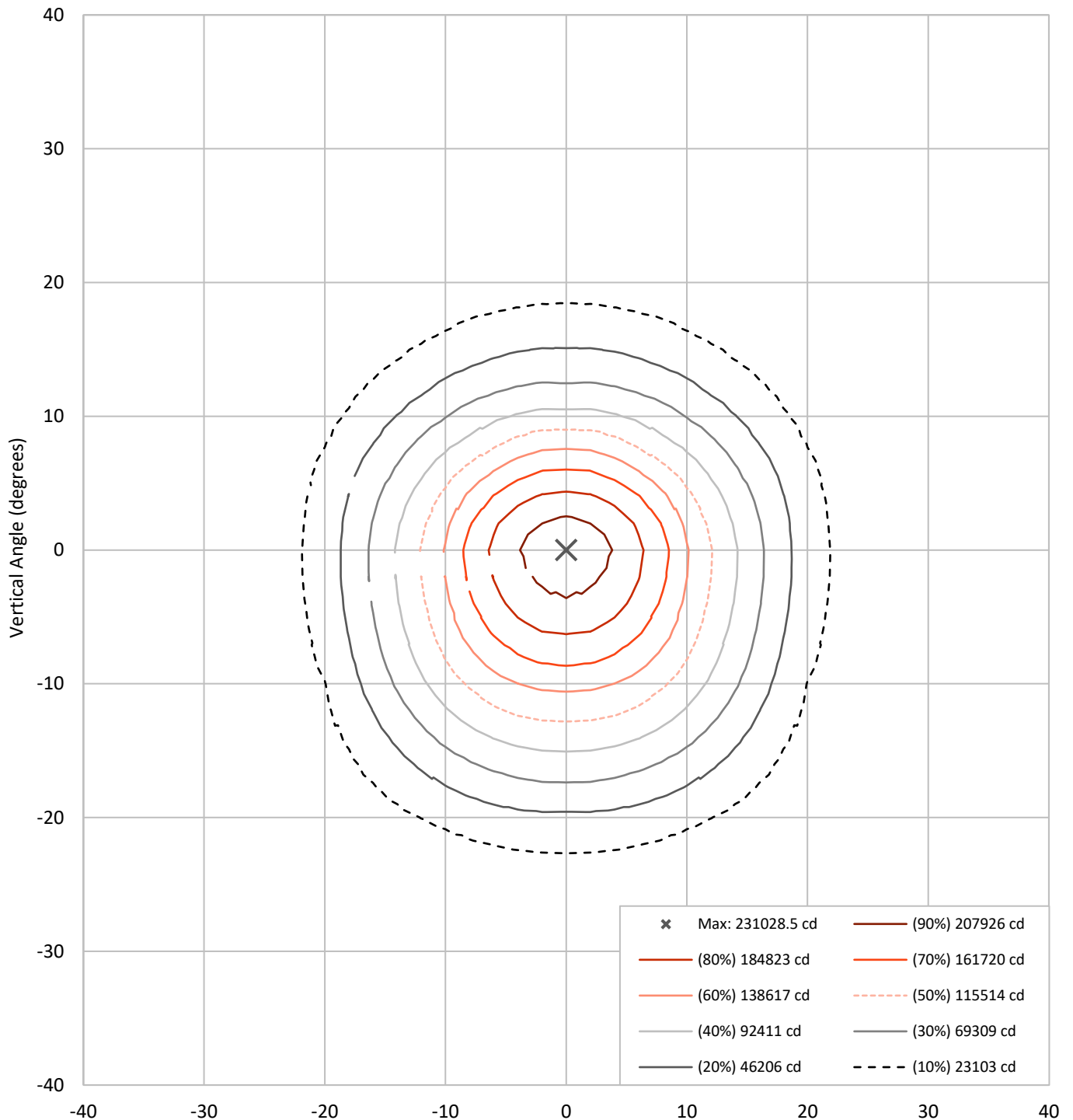
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	45602.2 lumens	Max Intensity:	231028.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	131.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.2°H x 21.8°V	Field Angle (10%):	43.8°H x 40.9°V
Beam Lumens:	20663 lumens	Field Lumens:	39103.1 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%

Input Watts (W): 345.8
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: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320N-40-70-3S-CV2

Iso-Candela Plot





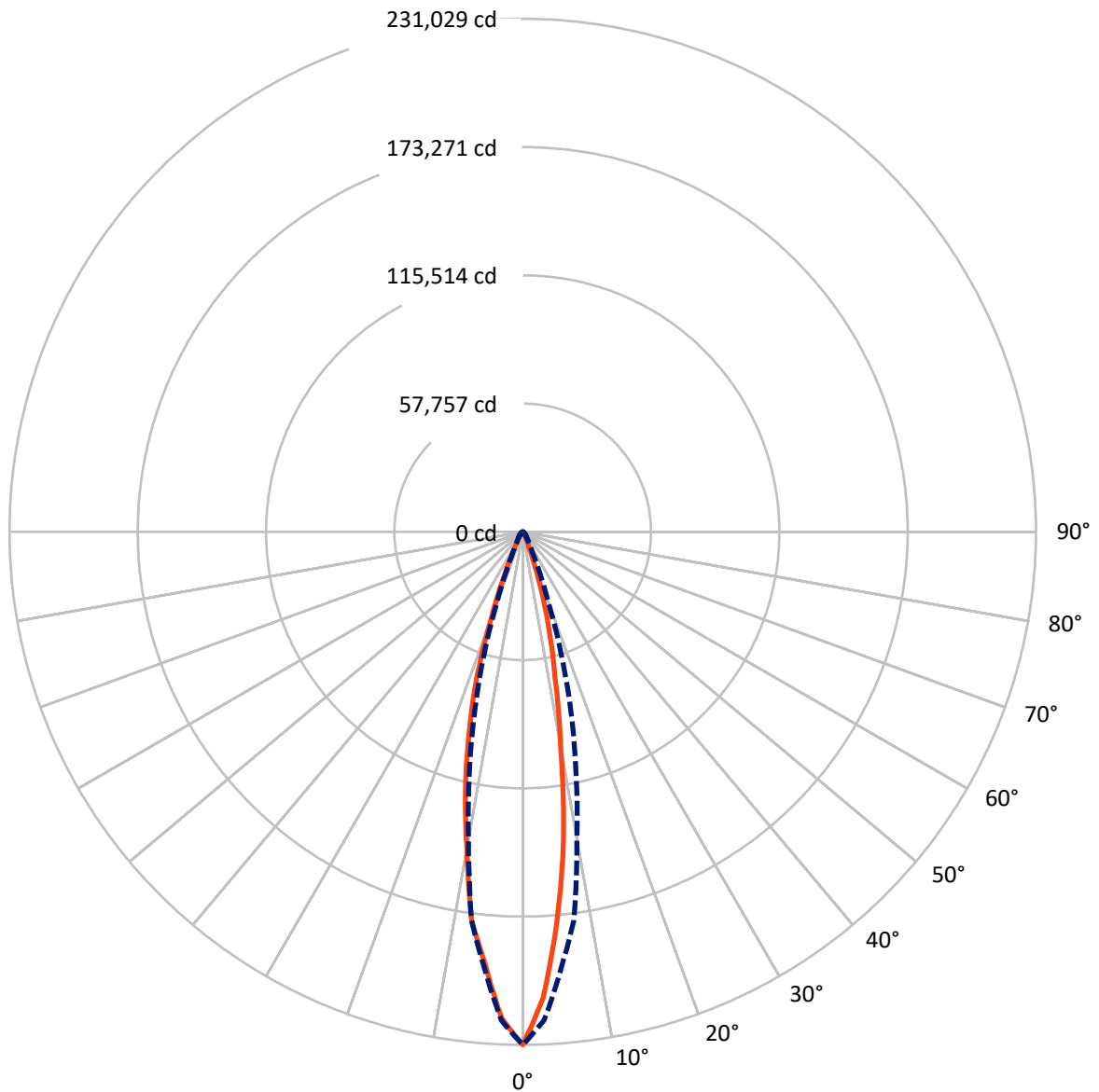
REPORT NUMBER: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-3S-CV2

Lumen Table

90	0.1		0.3		0.5		0.4		0.3		0.4		0.5		0.3		0.1
80	0.1		0.3		0.5		0.4		0.3		0.4		0.5		0.3		0.1
70	0.1	0.1	0.1	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.1	0.1	0.1	
60		0.1	0.2	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.2	0.1		
50	0.2	0.1	0.3	0.3	0.4	0.6	0.7	0.8	0.8	0.7	0.6	0.4	0.3	0.3	0.1	0.2	
40		0.1	0.6	1.2	2.5	3.8	4.9	5.9	5.9	4.9	3.8	2.5	1.2	0.6	0.1		
30	0.2	0.3	1.9	6.0	15.9	27.3	62.7	131.0	131.0	62.7	27.3	15.9	6.0	1.9	0.3	0.2	
20		0.6	4.5	16.2	39.9	109.5	575.5	1351.2	1351.2	575.5	109.5	39.9	16.2	4.5	0.6		
10	0.2	1.2	7.9	30.3	73.1	329.6	1986.4	4544.1	4544.1	1986.4	329.6	73.1	30.3	7.9	1.2	0.2	
0		2.0	10.5	36.6	83.9	355.7	2292.3	5165.6	5165.6	2292.3	355.7	83.9	36.6	10.5	2.0		
-10	0.4	2.3	10.7	34.8	77.1	207.3	1172.1	2566.3	2566.3	1172.1	207.3	77.1	34.8	10.7	2.3	0.4	
-20		2.2	8.9	22.7	53.1	93.6	214.9	437.9	437.9	214.9	93.6	53.1	22.7	8.9	2.2		
-30	0.3	1.9	6.4	13.9	30.8	55.0	76.1	92.1	92.1	76.1	55.0	30.8	13.9	6.4	1.9	0.3	
-40		1.3	4.5	9.8	17.7	30.4	49.3	64.2	64.2	49.3	30.4	17.7	9.8	4.5	1.3		
-50	0.2	0.6	2.8	6.4	11.5	17.4	22.6	26.0	26.0	22.6	17.4	11.5	6.4	2.8	0.6	0.2	
-60		0.2	1.0	3.3	6.5	10.4	14.3	16.7	16.7	14.3	10.4	6.5	3.3	1.0	0.2		
-70	0.1	0.6	2.3	6.3	9.0	6.3	2.3	0.6	0.1	0.1							
-80		0.1	0.6	2.3	6.3	9.0	6.3	2.3	0.6		0.1						
-90	0.1		0.6		2.3		6.3		9.0		6.3		2.3		0.6		0.1

REPORT NUMBER: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320N-40-70-3S-CV2

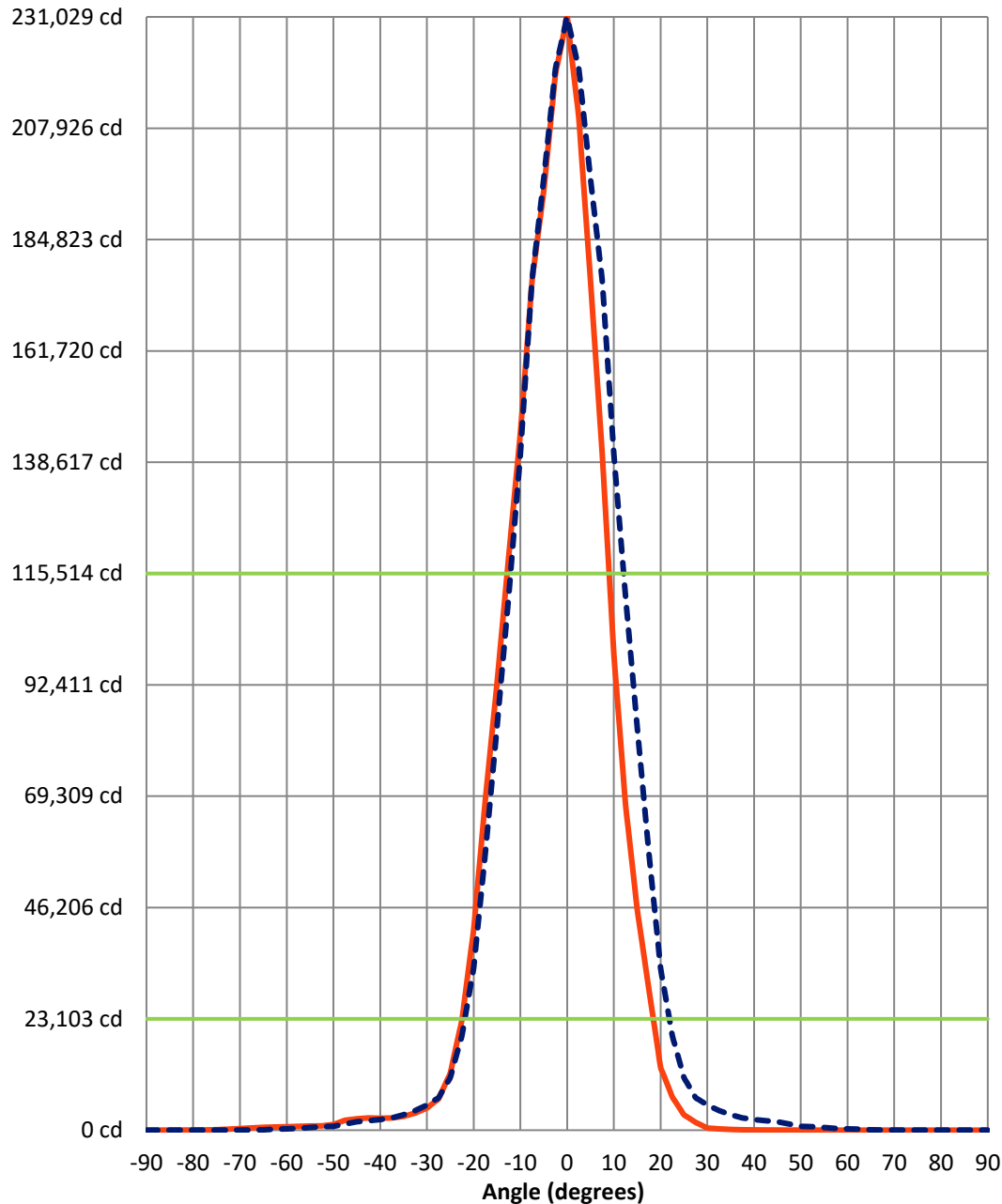
Luminous Intensity Polar Plot



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

REPORT NUMBER: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320N-40-70-3S-CV2

Luminous Intensity Plot



Beam:
H Angle: 24.2°
V Angle: 21.8°
Lumens: 20663
Efficiency: 45.3%

Field:
H Angle: 43.8°
V Angle: 40.9°
Lumens: 39103.1
Efficiency: 85.7%

Spill:
Lumens: 6499.1
Efficiency: 14.3%

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



REPORT NUMBER: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-3S-CV2

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.2	6.5	6.8	7.1
87.5°	5.9	5.9	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.9	5.9
85°	5.9	6.0	6.1	6.1	6.1	6.0	5.9	5.9	5.9	5.9	5.9
82.5°	5.9	6.0	6.2	6.3	6.2	6.1	5.9	5.9	5.9	5.9	5.9
80°	5.9	6.0	6.3	6.4	6.3	6.2	6.0	6.1	6.1	6.1	5.9
77.5°	5.9	6.0	6.4	6.5	6.4	6.3	6.3	6.4	6.4	6.2	6.0
75°	5.9	6.0	6.5	6.6	6.6	6.5	6.6	6.7	6.6	6.3	6.0
72.5°	5.9	6.1	6.6	6.7	6.7	6.7	6.9	6.9	6.6	6.3	6.0
70°	5.9	6.1	6.7	6.9	6.8	6.9	7.1	6.9	6.6	6.3	6.1
67.5°	5.9	6.1	6.7	6.9	6.9	7.0	7.1	7.0	6.7	6.4	6.1
65°	5.9	6.1	6.8	6.9	6.9	7.1	7.1	7.0	6.7	6.4	6.3
62.5°	5.9	6.1	6.9	7.0	7.0	7.1	7.1	7.0	6.8	6.5	6.7
60°	5.9	6.2	6.9	7.0	7.1	7.1	7.1	7.1	6.8	6.8	7.0
57.5°	5.9	6.2	6.9	7.0	7.1	7.1	7.1	7.1	6.9	7.0	7.1
55°	5.9	6.2	6.9	7.1	7.1	7.1	7.1	7.1	7.0	7.1	7.1
52.5°	5.9	6.2	6.9	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
50°	5.9	6.2	6.9	7.1	7.1	7.1	7.1	7.2	7.1	7.1	7.6
47.5°	5.9	6.2	6.9	7.1	7.1	7.1	7.1	7.3	7.1	7.1	8.2
45°	5.9	6.2	6.9	7.1	7.1	7.1	7.2	7.4	7.2	7.5	8.6
42.5°	5.9	6.2	6.9	7.1	7.1	7.1	7.3	7.5	7.2	7.8	9.1
40°	5.9	6.2	6.9	7.1	7.1	7.1	7.5	7.5	7.4	8.1	9.4
37.5°	5.9	6.2	6.9	7.1	7.1	7.1	7.6	7.6	7.8	8.5	9.6
35°	5.9	6.2	6.9	7.1	7.1	7.2	7.8	7.7	8.1	9.0	9.6
32.5°	5.9	6.2	6.9	7.1	7.1	7.3	7.9	7.7	8.4	9.5	10.5
30°	5.9	6.2	6.9	7.1	7.1	7.4	8.0	7.9	8.7	10.2	11.5
27.5°	5.9	6.1	7.0	7.1	7.1	7.6	8.1	8.1	9.1	10.9	12.8
25°	5.9	6.1	7.0	7.1	7.1	7.7	8.1	8.4	9.7	11.8	14.5
22.5°	5.9	6.1	7.0	7.1	7.1	7.8	8.2	8.6	10.2	13.0	17.6
20°	5.9	6.1	7.0	7.1	7.1	7.9	8.3	8.8	10.8	14.3	20.7
17.5°	5.9	6.1	7.0	7.1	7.1	8.0	8.4	9.0	11.4	15.6	23.7
15°	5.9	6.1	7.0	7.1	7.1	8.1	8.5	9.3	12.0	17.1	26.5
12.5°	5.9	6.0	7.1	7.1	7.1	8.2	8.6	9.6	13.0	18.5	29.1
10°	5.9	6.0	7.1	7.1	7.1	8.2	8.8	9.8	14.4	21.3	33.8
7.5°	5.9	6.0	7.1	7.1	7.1	8.2	9.0	10.1	15.9	24.4	43.3
5°	5.9	6.0	7.1	7.1	7.1	8.3	9.2	10.3	17.4	27.5	53.2
2.5°	5.9	5.9	7.1	7.1	7.1	8.3	9.3	10.5	18.8	30.5	63.1
0°	5.9	5.9	7.1	7.1	7.1	8.3	9.5	10.7	20.2	33.3	72.6
-2.5°	5.9	5.9	7.1	7.1	7.1	8.3	10.5	14.2	26.8	44.2	88.2
-5°	5.9	5.9	7.1	7.1	7.1	8.3	11.4	17.6	33.1	54.7	102.8
-7.5°	5.9	5.9	7.1	7.1	7.1	8.2	12.2	20.8	39.0	64.5	116.0
-10°	5.9	5.9	7.1	7.1	7.1	8.2	12.9	23.7	44.4	73.5	127.7
-12.5°	5.9	5.9	7.0	7.1	7.1	8.2	13.4	26.1	49.0	81.3	135.9
-15°	5.9	5.9	7.0	7.1	7.1	8.1	13.8	28.0	53.2	87.6	141.6
-17.5°	5.9	5.9	7.0	7.1	7.1	8.0	13.9	29.7	56.9	92.9	145.7
-20°	5.9	5.9	7.0	7.1	7.1	7.9	14.1	31.2	59.6	97.1	148.0



REPORT NUMBER: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.9	5.9	6.9	7.1	7.1	7.8	14.5	32.0	61.3	100.1	148.6
-25°	5.9	5.9	6.9	7.1	7.1	8.0	14.5	32.0	61.7	102.0	147.3
-27.5°	5.9	5.9	6.8	7.1	7.1	8.1	14.1	31.2	61.0	102.5	148.7
-30°	5.9	5.9	6.8	7.1	7.1	8.2	13.3	29.5	59.7	101.4	148.7
-32.5°	5.9	5.9	6.7	7.1	7.2	8.2	12.0	28.2	57.7	98.7	147.0
-35°	5.9	5.9	6.7	7.1	7.3	8.1	11.5	26.7	54.3	94.1	143.6
-37.5°	5.9	5.9	6.6	7.1	7.4	8.1	11.4	24.4	49.7	87.8	132.9
-40°	5.9	5.9	6.5	7.1	7.5	8.2	11.1	21.4	43.8	81.0	120.7
-42.5°	5.9	5.9	6.5	7.1	7.5	8.2	10.7	17.8	38.7	71.3	107.7
-45°	5.9	5.9	6.4	7.1	7.6	8.3	10.2	15.0	33.7	60.5	94.1
-47.5°	5.9	5.9	6.3	7.2	7.6	8.3	9.5	14.1	27.7	49.0	81.1
-50°	5.9	5.9	6.2	7.1	7.6	8.3	9.3	13.1	20.5	40.9	67.1
-52.5°	5.9	5.9	6.2	7.0	7.6	8.3	9.3	11.8	17.1	32.1	52.8
-55°	5.9	5.9	6.1	6.9	7.6	8.3	9.2	10.5	15.3	22.7	42.1
-57.5°	5.9	5.9	6.0	6.8	7.6	8.2	9.1	10.3	13.3	18.7	30.8
-60°	5.9	5.9	5.9	6.7	7.5	8.1	9.0	10.1	11.5	16.0	21.7
-62.5°	5.9	5.9	5.9	6.6	7.4	8.1	8.9	9.8	11.0	13.2	18.3
-65°	5.9	5.9	5.9	6.4	7.2	7.9	8.7	9.5	10.5	12.0	14.7
-67.5°	5.9	5.9	5.9	6.3	7.0	7.8	8.5	9.2	9.9	11.2	12.8
-70°	5.9	5.9	5.9	6.2	6.9	7.5	8.2	8.8	9.4	10.3	11.6
-72.5°	5.9	5.9	5.9	6.1	6.7	7.3	8.0	8.4	8.9	9.6	10.4
-75°	5.9	5.9	5.9	6.1	6.5	7.1	7.7	8.0	8.4	8.9	9.5
-77.5°	5.9	5.9	5.9	6.1	6.4	6.9	7.4	7.7	7.9	8.2	8.5
-80°	5.9	5.9	5.9	6.0	6.3	6.7	7.1	7.3	7.5	7.7	7.9
-82.5°	5.9	5.9	5.9	6.0	6.2	6.5	6.8	7.0	7.1	7.3	7.4
-85°	5.9	5.9	5.9	6.0	6.1	6.3	6.5	6.7	6.9	7.0	7.1
-87.5°	5.9	5.9	5.9	5.9	6.0	6.1	6.2	6.5	6.7	6.9	7.1
-90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9



REPORT NUMBER: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6.8	6.5	6.2	5.9	5.9	5.9	5.9	5.9	5.6	5.4	5.1
87.5°	5.6	5.4	5.1	4.8	4.8	4.8	4.8	4.8	4.5	4.2	3.9
85°	5.6	5.4	5.1	5.0	5.0	5.0	4.9	4.8	4.5	4.2	3.9
82.5°	5.7	5.6	5.6	5.6	5.5	5.3	5.1	4.8	4.5	4.2	3.9
80°	5.9	5.9	5.9	5.9	5.7	5.4	5.1	4.8	4.6	4.3	4.0
77.5°	5.9	5.9	5.9	5.9	5.7	5.4	5.2	4.9	4.6	4.3	4.0
75°	5.9	5.9	5.9	5.9	5.7	5.5	5.2	5.1	5.1	5.0	4.9
72.5°	5.9	5.9	5.9	5.9	5.8	5.7	5.7	5.8	6.1	6.1	6.1
70°	5.9	5.9	6.0	6.0	5.9	6.0	6.5	7.2	7.8	8.3	9.9
67.5°	6.0	6.2	6.3	6.2	6.4	7.0	7.7	10.9	14.8	16.6	17.6
65°	6.5	6.7	6.6	6.8	7.1	9.3	12.8	17.4	22.4	23.6	23.4
62.5°	7.0	6.9	7.0	7.7	9.5	12.7	17.5	22.8	28.3	27.3	23.6
60°	7.1	7.1	7.9	9.7	12.1	16.4	21.9	24.5	26.3	26.3	21.6
57.5°	7.1	7.7	9.4	11.8	15.5	19.0	20.3	21.8	23.1	23.8	18.7
55°	7.4	8.7	10.9	14.3	17.1	16.6	17.3	18.3	19.1	18.1	13.4
52.5°	8.2	9.8	12.6	15.6	16.2	15.0	14.1	14.8	14.1	12.3	10.1
50°	8.9	11.0	13.9	15.9	15.5	13.4	11.6	11.9	11.3	9.9	8.6
47.5°	9.7	12.1	15.0	16.2	14.5	13.2	11.6	11.2	10.6	11.0	10.4
45°	10.5	12.9	16.0	15.7	14.6	14.1	13.4	11.8	13.6	14.3	14.1
42.5°	11.0	13.5	16.0	15.4	16.2	16.6	16.4	17.0	18.1	19.8	20.5
40°	11.3	14.0	16.5	18.3	18.7	20.4	22.6	24.3	25.0	27.4	29.0
37.5°	11.5	15.2	18.9	23.5	22.9	26.3	30.0	36.4	38.4	36.1	40.5
35°	11.5	17.2	25.5	31.7	32.7	34.1	43.7	53.5	59.4	53.5	59.0
32.5°	12.7	19.9	33.8	42.6	49.0	50.6	60.1	80.2	90.5	91.9	92.5
30°	15.7	27.6	44.0	55.6	70.1	81.8	90.9	114.0	130.5	171.4	204.4
27.5°	19.5	36.9	56.3	75.0	96.8	118.4	140.2	158.4	211.7	288.5	374.2
25°	23.3	50.3	70.0	99.0	132.0	163.5	192.9	217.7	321.8	479.2	584.5
22.5°	30.6	66.2	89.6	125.6	170.8	212.3	248.6	314.2	459.7	692.8	806.1
20°	42.6	83.0	113.9	157.6	214.2	262.7	305.2	415.0	627.4	846.0	986.5
17.5°	55.6	100.6	140.2	198.0	270.3	324.0	367.6	513.0	790.0	998.8	1142.0
15°	69.4	118.7	166.2	241.9	331.9	398.4	486.7	665.5	933.5	1148.8	1324.4
12.5°	83.6	137.0	191.7	288.2	397.2	473.6	632.0	891.3	1130.5	1318.2	1581.0
10°	97.7	155.2	216.3	335.6	464.8	548.7	791.8	1114.5	1345.6	1538.7	1841.0
7.5°	125.3	180.9	242.8	382.8	533.0	623.1	959.3	1331.6	1547.1	1743.6	2062.1
5°	155.0	213.9	284.0	441.4	600.6	690.3	1115.0	1538.7	1736.0	1933.9	2249.7
2.5°	183.7	245.7	323.7	498.4	664.0	744.9	1208.0	1653.7	1858.6	2081.7	2409.3
0°	210.5	276.0	361.6	550.7	722.0	795.8	1283.4	1750.9	1961.4	2205.3	2549.0
-2.5°	232.1	305.6	397.1	580.4	742.2	824.7	1298.9	1786.6	2014.6	2275.7	2616.1
-5°	250.1	333.2	429.9	604.9	757.8	850.3	1295.7	1799.4	2059.2	2329.2	2677.2
-7.5°	264.2	358.2	459.5	622.7	765.9	862.4	1291.9	1816.3	2108.0	2365.6	2726.8
-10°	272.0	368.4	465.8	620.2	763.9	865.1	1263.7	1806.1	2147.9	2392.0	2742.2
-12.5°	263.8	365.2	464.2	612.4	758.5	864.6	1202.3	1766.9	2179.8	2410.1	2712.9
-15°	254.3	359.8	457.8	599.1	750.2	860.9	1104.4	1697.4	2163.8	2344.2	2627.0
-17.5°	243.9	352.3	446.3	580.4	739.3	854.2	961.1	1521.1	2000.3	2231.5	2533.9
-20°	233.1	342.8	429.3	556.3	723.9	821.4	893.6	1298.4	1766.6	2092.5	2371.2



REPORT NUMBER: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	222.5	331.2	411.1	534.0	667.9	767.1	843.8	1071.1	1524.6	1920.5	2128.4
-25°	216.8	314.3	396.0	493.0	608.4	711.3	786.0	866.8	1271.6	1652.0	1913.8
-27.5°	214.1	299.0	373.5	452.1	551.9	652.4	723.6	799.8	1022.2	1381.7	1695.5
-30°	209.2	278.2	350.1	415.3	503.9	590.8	660.8	739.4	828.9	1119.2	1409.1
-32.5°	197.5	257.0	325.5	388.2	459.0	535.0	612.5	689.4	766.0	871.6	1137.3
-35°	183.8	239.3	301.0	360.6	416.8	489.8	567.1	642.9	707.9	775.4	922.4
-37.5°	172.7	220.1	276.7	333.1	386.2	448.6	519.9	593.5	659.9	720.8	804.6
-40°	160.5	199.6	253.8	307.1	357.1	410.8	474.4	540.7	609.2	680.5	746.0
-42.5°	147.1	184.9	230.1	281.6	328.5	377.8	428.7	490.1	557.5	632.7	700.6
-45°	131.9	169.2	206.3	253.6	298.7	344.1	391.7	440.3	506.5	574.0	645.2
-47.5°	115.8	152.2	187.8	225.6	268.5	310.0	353.6	403.3	455.2	517.0	579.8
-50°	99.2	133.6	168.3	202.6	239.2	276.8	315.3	365.5	414.9	463.1	517.1
-52.5°	82.5	114.3	147.4	180.3	212.9	246.7	283.5	327.7	374.3	419.6	464.4
-55°	64.9	94.5	125.4	156.7	187.8	218.5	254.2	293.5	333.9	377.1	418.7
-57.5°	50.0	73.6	102.2	132.0	161.3	191.4	226.4	260.2	296.9	335.0	372.3
-60°	36.4	54.6	77.5	105.1	133.7	163.2	197.8	231.3	262.7	293.2	328.2
-62.5°	24.0	38.2	55.5	76.2	102.3	131.8	162.8	195.8	231.4	259.2	286.6
-65°	19.7	24.4	36.2	52.4	69.6	94.7	122.9	153.5	184.3	212.0	241.2
-67.5°	15.3	19.7	23.8	29.9	44.8	61.4	79.2	104.4	131.2	154.5	178.0
-70°	13.3	15.3	18.7	22.4	25.9	32.7	47.3	62.8	78.2	93.1	112.4
-72.5°	11.8	13.5	15.3	17.2	20.3	23.5	26.9	30.4	39.1	50.6	61.3
-75°	10.4	11.6	13.1	14.8	16.3	17.9	19.7	22.5	25.3	28.0	30.6
-77.5°	9.3	10.2	11.3	12.4	13.5	14.7	15.9	17.3	18.6	20.0	21.5
-80°	8.3	8.8	9.6	10.5	11.0	11.6	12.3	13.2	14.0	14.7	15.6
-82.5°	7.7	8.0	8.4	8.8	8.9	8.8	8.8	9.0	9.6	10.1	10.6
-85°	7.1	7.1	7.3	7.4	7.6	7.6	7.6	7.6	7.5	7.5	7.4
-87.5°	6.9	6.8	6.7	6.6	6.6	6.7	6.7	6.7	6.5	6.2	6.0
-90°	5.6	5.4	5.1	4.8	4.8	4.8	4.8	4.8	4.5	4.2	3.9



REPORT NUMBER: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.8	4.8	4.8	4.8	4.8	5.1	5.4	5.6	5.9	6.8	7.7
87.5°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	1.2	1.2
85°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	1.2	1.2
82.5°	3.6	3.5	3.4	3.3	3.3	3.0	2.8	2.5	2.3	2.0	1.8
80°	3.6	3.6	3.6	3.6	3.6	3.3	3.0	2.7	2.4	2.1	1.8
77.5°	3.8	3.8	3.8	3.8	3.6	3.4	3.1	2.7	2.4	2.1	1.8
75°	4.8	4.6	4.4	4.1	3.7	3.4	3.1	2.8	2.5	2.4	2.3
72.5°	5.8	5.5	5.3	5.6	5.5	5.4	5.2	4.9	4.4	4.4	4.5
70°	10.9	11.4	11.5	10.9	9.7	8.7	7.9	7.0	6.0	5.7	5.8
67.5°	17.3	16.5	15.5	14.1	12.1	10.3	9.2	8.2	7.2	6.8	6.9
65°	21.6	17.9	15.4	13.4	11.8	10.3	9.1	8.0	6.9	6.2	6.1
62.5°	19.8	15.5	12.8	11.2	10.1	9.1	7.7	6.5	5.6	5.2	5.3
60°	17.0	12.4	9.6	8.3	7.1	6.0	5.5	5.1	4.9	4.8	4.9
57.5°	13.5	9.4	7.0	6.6	5.9	5.2	4.9	5.0	4.9	4.8	4.8
55°	9.9	8.0	7.1	6.8	6.5	6.1	5.8	5.8	5.7	5.5	5.6
52.5°	8.0	8.0	8.1	8.0	7.7	7.3	7.0	7.0	7.1	7.3	7.7
50°	8.8	9.1	9.3	9.2	8.9	8.6	8.2	8.6	9.1	9.6	10.0
47.5°	10.3	10.7	11.3	10.5	10.7	11.3	10.9	11.1	12.8	13.9	14.7
45°	13.1	15.2	15.7	16.2	16.3	17.5	18.1	18.5	21.9	23.4	23.5
42.5°	20.8	22.8	24.4	26.0	25.7	29.6	34.8	37.7	37.6	37.0	37.6
40°	31.6	33.7	38.5	42.2	47.8	52.9	53.3	48.4	48.9	54.6	55.1
37.5°	47.4	54.0	63.6	74.2	77.1	73.9	75.8	79.4	83.1	88.3	94.4
35°	75.5	97.6	102.0	110.3	115.7	110.4	112.4	121.9	122.0	138.8	148.0
32.5°	134.0	168.0	178.4	171.1	185.4	194.0	167.5	200.8	207.2	224.5	245.6
30°	218.5	289.3	311.2	301.0	339.6	351.8	328.4	395.4	434.9	434.1	533.6
27.5°	415.3	450.6	491.7	554.4	562.4	583.4	715.6	817.9	947.8	1070.6	1229.9
25°	635.3	655.4	773.1	850.6	888.8	1028.6	1224.6	1384.5	1660.0	1917.2	2452.5
22.5°	838.1	913.0	1056.5	1180.5	1320.0	1545.0	1815.3	2112.0	2844.1	3744.9	4875.1
20°	1036.9	1135.6	1307.0	1530.1	1752.7	2058.8	2418.2	3358.0	4797.7	6979.6	9337.8
17.5°	1261.5	1356.3	1590.0	1905.1	2243.7	2702.6	3804.9	5600.7	8657.9	12926.5	17044.4
15°	1553.0	1716.1	1974.7	2440.3	3088.4	4169.9	5966.8	10396.0	16499.9	23137.9	30254.6
12.5°	1894.1	2163.0	2584.0	3185.6	4118.7	6673.9	11189.7	18302.0	27423.3	36746.3	48443.0
10°	2224.2	2674.0	3318.3	4266.3	6122.6	10149.7	16877.4	27142.1	41117.8	55532.6	68450.3
7.5°	2514.1	3109.4	3976.3	5304.9	8251.9	14072.0	23750.6	38054.0	55473.8	73286.6	90657.1
5°	2810.3	3518.0	4528.3	6082.8	9550.4	16911.3	29334.4	48043.6	69090.1	90664.7	113336.4
2.5°	3053.4	3861.1	4989.2	6727.6	10317.8	18437.3	32797.0	55001.3	79318.7	104018.5	132229.4
0°	3199.7	4073.9	5217.0	6747.8	10920.5	19639.2	33652.3	57464.2	83637.2	110793.8	140319.9
-2.5°	3204.2	4029.6	5105.9	6683.8	10791.4	19310.6	33712.0	57402.8	83404.9	109559.3	138696.8
-5°	3194.2	3928.6	4939.4	6454.3	10019.5	17596.3	31125.7	53683.7	79294.8	104046.6	130585.7
-7.5°	3178.9	3795.1	4702.9	6087.1	9031.5	15527.1	28146.8	48797.0	72960.9	96016.1	119773.1
-10°	3161.3	3656.8	4485.2	5772.2	8136.5	13066.0	22642.2	41448.3	63615.1	84889.9	104371.3
-12.5°	3146.1	3600.0	4309.8	5338.2	7048.5	10948.9	19115.9	33872.6	51823.3	69787.5	87045.0
-15°	3088.0	3524.8	4166.7	5016.0	6402.6	9130.4	14270.2	24470.5	39210.5	53401.2	67100.4
-17.5°	2969.2	3417.8	3821.7	4482.9	5483.0	7261.8	10629.4	16775.7	26240.0	37332.8	46997.5
-20°	2736.2	3043.8	3378.8	3940.4	4710.1	5646.5	7182.3	10684.5	15184.5	22420.2	27487.6



REPORT NUMBER: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2390.3	2649.0	2930.9	3305.1	3846.3	4507.2	5326.7	6621.4	8969.6	11758.4	14840.7
-25°	2074.9	2260.7	2521.9	2843.4	3133.1	3564.3	4138.6	4640.8	5655.1	6475.5	8170.7
-27.5°	1835.7	1990.3	2226.8	2476.1	2690.0	2921.0	3320.6	3675.7	4169.2	4600.0	5289.1
-30°	1662.8	1821.2	2011.3	2200.3	2403.4	2599.2	2778.1	3047.3	3343.3	3624.3	3988.9
-32.5°	1449.3	1699.2	1836.8	1996.7	2177.3	2348.6	2485.0	2655.3	2818.2	3004.4	3204.3
-35°	1226.4	1499.3	1710.6	1833.4	1967.6	2131.2	2271.0	2387.4	2495.4	2611.0	2716.6
-37.5°	963.7	1265.4	1506.1	1687.8	1810.3	1924.5	2074.4	2186.4	2257.8	2353.6	2425.8
-40°	828.3	949.1	1222.7	1469.6	1627.5	1807.4	1946.9	2065.5	2196.2	2298.2	2357.0
-42.5°	762.3	832.3	905.1	1106.8	1354.0	1570.0	1749.8	1944.7	2119.6	2258.7	2388.0
-45°	711.2	761.0	812.8	879.8	948.9	1151.1	1372.8	1600.7	1804.9	1995.6	2159.3
-47.5°	643.2	701.4	748.7	791.0	833.6	895.6	962.0	1054.4	1250.6	1449.6	1639.2
-50°	573.1	626.7	678.9	728.0	767.9	799.1	824.2	865.0	924.1	982.9	1040.7
-52.5°	507.0	556.8	604.2	651.7	698.3	739.7	776.3	805.1	828.8	849.1	862.8
-55°	459.9	499.0	535.8	581.2	626.0	667.6	706.1	741.5	773.8	803.2	823.4
-57.5°	410.8	449.1	487.3	525.5	562.5	598.3	634.2	669.2	702.1	732.0	752.0
-60°	362.1	394.9	432.8	472.2	509.1	543.6	577.0	608.4	637.7	662.8	679.0
-62.5°	316.2	347.2	379.9	415.3	452.7	489.1	522.6	554.4	584.5	608.9	624.6
-65°	269.8	295.9	323.8	353.1	383.4	414.5	446.3	478.8	511.5	537.7	555.0
-67.5°	202.7	228.8	256.2	284.9	310.7	334.4	357.3	381.0	404.9	424.8	440.5
-70°	131.8	151.3	170.4	190.0	211.4	233.1	254.0	273.5	291.5	306.0	317.7
-72.5°	71.2	80.7	91.2	106.2	120.5	134.9	149.2	162.7	175.2	184.7	192.1
-75°	33.0	37.3	45.4	52.8	59.7	66.6	73.4	79.6	85.3	89.3	92.3
-77.5°	23.5	25.4	27.3	29.2	31.2	33.8	36.6	39.4	42.1	44.7	47.2
-80°	16.5	17.6	18.7	19.7	20.6	22.1	23.7	25.3	26.9	28.6	30.2
-82.5°	11.0	11.7	12.5	13.1	13.8	14.7	15.5	16.4	17.2	18.5	19.9
-85°	7.4	7.7	8.1	8.4	8.8	9.5	10.2	11.0	11.6	12.6	13.6
-87.5°	5.7	5.7	5.8	5.8	5.8	6.4	7.0	7.6	8.2	9.1	10.1
-90°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6



REPORT NUMBER: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	8.6	9.5	10.1	10.7	10.1	9.5	8.6	7.7	6.8	5.9	5.6
87.5°	1.2	1.2	0.6	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.5
85°	1.2	1.2	0.6	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.5
82.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.0	2.3	2.5
80°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.7
77.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.7
75°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.5	2.8
72.5°	4.7	4.7	4.8	4.8	4.8	4.7	4.7	4.5	4.4	4.4	4.9
70°	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.7	6.0	7.0
67.5°	7.0	7.1	7.1	7.1	7.1	7.1	7.0	6.9	6.8	7.2	8.2
65°	6.0	5.9	5.9	5.9	5.9	5.9	6.0	6.1	6.2	6.9	8.0
62.5°	5.6	5.8	5.9	5.9	5.9	5.8	5.6	5.3	5.2	5.6	6.5
60°	4.9	4.9	4.8	4.8	4.8	4.9	4.9	4.9	4.8	4.9	5.1
57.5°	4.8	4.8	5.2	5.9	5.2	4.8	4.8	4.8	4.8	4.9	5.0
55°	5.7	5.8	6.4	7.1	6.4	5.8	5.7	5.6	5.5	5.7	5.8
52.5°	7.9	8.1	8.3	8.3	8.3	8.1	7.9	7.7	7.3	7.1	7.0
50°	10.3	10.5	10.7	10.7	10.7	10.5	10.3	10.0	9.6	9.1	8.6
47.5°	15.1	15.3	15.4	15.5	15.4	15.3	15.1	14.7	13.9	12.8	11.1
45°	24.3	24.6	24.8	25.0	24.8	24.6	24.3	23.5	23.4	21.9	18.5
42.5°	39.1	39.8	39.8	39.3	39.8	39.8	39.1	37.6	37.0	37.6	37.7
40°	55.9	55.9	55.2	54.7	55.2	55.9	55.9	55.1	54.6	48.9	48.4
37.5°	97.2	93.7	87.4	84.5	87.4	93.7	97.2	94.4	88.3	83.1	79.4
35°	150.4	152.7	153.3	152.3	153.3	152.7	150.4	148.0	138.8	122.0	121.9
32.5°	251.5	263.6	267.5	274.8	267.5	263.6	251.5	245.6	224.5	207.2	200.8
30°	517.9	514.3	469.2	449.6	469.2	514.3	517.9	533.6	434.1	434.9	395.4
27.5°	1395.2	1555.7	1632.3	1626.0	1632.3	1555.7	1395.2	1229.9	1070.6	947.8	817.9
25°	2873.2	3131.3	3302.5	3190.1	3302.5	3131.3	2873.2	2452.5	1917.2	1660.0	1384.5
22.5°	5927.8	6490.5	6797.2	6907.2	6797.2	6490.5	5927.8	4875.1	3744.9	2844.1	2112.0
20°	11879.2	12941.7	13717.7	13069.8	13717.7	12941.7	11879.2	9337.8	6979.6	4797.7	3358.0
17.5°	22053.9	25359.0	28282.8	29196.6	28282.8	25359.0	22053.9	17044.4	12926.5	8657.9	5600.7
15°	37115.7	42697.4	46015.1	45821.7	46015.1	42697.4	37115.7	30254.6	23137.9	16499.9	10396.0
12.5°	57106.7	63994.8	68590.8	67568.7	68590.8	63994.8	57106.7	48443.0	36746.3	27423.3	18302.0
10°	81127.4	91560.7	99141.3	98792.2	99141.3	91560.7	81127.4	68450.3	55532.6	41117.8	27142.1
7.5°	106031.6	123159.3	138025.3	140526.9	138025.3	123159.3	106031.6	90657.1	73286.6	55473.8	38054.0
5°	138147.6	160722.5	175485.9	176329.8	175485.9	160722.5	138147.6	113336.4	90664.7	69090.1	48043.6
2.5°	164199.0	190096.1	202555.3	210104.1	202555.3	190096.1	164199.0	132229.4	104018.5	79318.7	55001.3
0°	176404.1	197457.0	220235.9	231028.5	220235.9	197457.0	176404.1	140319.9	110793.8	83637.2	57464.2
-2.5°	171396.8	193956.6	207624.0	219062.5	207624.0	193956.6	171396.8	138696.8	109559.3	83404.9	57402.8
-5°	160040.8	182393.7	193859.7	194929.4	193859.7	182393.7	160040.8	130585.7	104046.6	79294.8	53683.7
-7.5°	141501.6	160455.8	172493.8	176239.4	172493.8	160455.8	141501.6	119773.1	96016.1	72960.9	48797.0
-10°	121799.3	135430.5	143210.4	144701.9	143210.4	135430.5	121799.3	104371.3	84889.9	63615.1	41448.3
-12.5°	101315.8	112475.6	117843.8	119016.6	117843.8	112475.6	101315.8	87045.0	69787.5	51823.3	33872.6
-15°	78625.2	87022.7	91856.2	92697.3	91856.2	87022.7	78625.2	67100.4	53401.2	39210.5	24470.5
-17.5°	56121.2	62944.8	67841.2	68491.7	67841.2	62944.8	56121.2	46997.5	37332.8	26240.0	16775.7
-20°	34475.1	39117.9	41982.3	41562.3	41982.3	39117.9	34475.1	27487.6	22420.2	15184.5	10684.5



REPORT NUMBER: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18560.9	21063.6	22274.1	22899.6	22274.1	21063.6	18560.9	14840.7	11758.4	8969.6	6621.4
-25°	9811.2	10871.1	11415.0	11841.1	11415.0	10871.1	9811.2	8170.7	6475.5	5655.1	4640.8
-27.5°	5837.8	6202.3	6404.7	6515.9	6404.7	6202.3	5837.8	5289.1	4600.0	4169.2	3675.7
-30°	4279.7	4454.3	4546.6	4592.5	4546.6	4454.3	4279.7	3988.9	3624.3	3343.3	3047.3
-32.5°	3364.8	3468.4	3532.2	3555.3	3532.2	3468.4	3364.8	3204.3	3004.4	2818.2	2655.3
-35°	2791.2	2825.9	2838.4	2860.7	2838.4	2825.9	2791.2	2716.6	2611.0	2495.4	2387.4
-37.5°	2480.8	2513.1	2528.8	2541.9	2528.8	2513.1	2480.8	2425.8	2353.6	2257.8	2186.4
-40°	2384.2	2418.5	2453.5	2478.8	2453.5	2418.5	2384.2	2357.0	2298.2	2196.2	2065.5
-42.5°	2444.6	2500.5	2539.0	2544.3	2539.0	2500.5	2444.6	2388.0	2258.7	2119.6	1944.7
-45°	2252.2	2315.9	2350.7	2362.3	2350.7	2315.9	2252.2	2159.3	1995.6	1804.9	1600.7
-47.5°	1807.3	1953.0	2039.9	2059.0	2039.9	1953.0	1807.3	1639.2	1449.6	1250.6	1054.4
-50°	1096.9	1148.7	1177.3	1181.1	1177.3	1148.7	1096.9	1040.7	982.9	924.1	865.0
-52.5°	873.7	882.9	888.7	892.1	888.7	882.9	873.7	862.8	849.1	828.8	805.1
-55°	841.1	856.7	865.5	869.5	865.5	856.7	841.1	823.4	803.2	773.8	741.5
-57.5°	770.0	785.7	792.8	794.6	792.8	785.7	770.0	752.0	732.0	702.1	669.2
-60°	693.8	707.1	711.4	711.3	711.4	707.1	693.8	679.0	662.8	637.7	608.4
-62.5°	639.6	653.5	660.2	663.7	660.2	653.5	639.6	624.6	608.9	584.5	554.4
-65°	570.0	582.8	588.1	590.0	588.1	582.8	570.0	555.0	537.7	511.5	478.8
-67.5°	454.4	466.5	469.9	469.8	469.9	466.5	454.4	440.5	424.8	404.9	381.0
-70°	327.6	335.6	336.9	335.4	336.9	335.6	327.6	317.7	306.0	291.5	273.5
-72.5°	198.1	202.7	204.5	204.6	204.5	202.7	198.1	192.1	184.7	175.2	162.7
-75°	94.7	96.4	97.8	98.7	97.8	96.4	94.7	92.3	89.3	85.3	79.6
-77.5°	49.6	51.8	52.8	53.5	52.8	51.8	49.6	47.2	44.7	42.1	39.4
-80°	31.7	33.1	33.3	33.3	33.3	33.1	31.7	30.2	28.6	26.9	25.3
-82.5°	21.2	22.5	22.6	22.6	22.6	22.5	21.2	19.9	18.5	17.2	16.4
-85°	14.5	15.5	16.1	16.7	16.1	15.5	14.5	13.6	12.6	11.6	11.0
-87.5°	11.0	11.9	11.9	11.9	11.9	11.9	11.0	10.1	9.1	8.2	7.6
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	1.2	1.5



REPORT NUMBER: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5.4	5.1	4.8	4.8	4.8	4.8	4.8	5.1	5.4	5.6	5.9
87.5°	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8
85°	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8
82.5°	2.8	3.0	3.3	3.3	3.4	3.5	3.6	3.9	4.2	4.5	4.8
80°	3.0	3.3	3.6	3.6	3.6	3.6	3.6	4.0	4.3	4.6	4.8
77.5°	3.1	3.4	3.6	3.8	3.8	3.8	3.8	4.0	4.3	4.6	4.9
75°	3.1	3.4	3.7	4.1	4.4	4.6	4.8	4.9	5.0	5.1	5.1
72.5°	5.2	5.4	5.5	5.6	5.3	5.5	5.8	6.1	6.1	6.1	5.8
70°	7.9	8.7	9.7	10.9	11.5	11.4	10.9	9.9	8.3	7.8	7.2
67.5°	9.2	10.3	12.1	14.1	15.5	16.5	17.3	17.6	16.6	14.8	10.9
65°	9.1	10.3	11.8	13.4	15.4	17.9	21.6	23.4	23.6	22.4	17.4
62.5°	7.7	9.1	10.1	11.2	12.8	15.5	19.8	23.6	27.3	28.3	22.8
60°	5.5	6.0	7.1	8.3	9.6	12.4	17.0	21.6	26.3	26.3	24.5
57.5°	4.9	5.2	5.9	6.6	7.0	9.4	13.5	18.7	23.8	23.1	21.8
55°	5.8	6.1	6.5	6.8	7.1	8.0	9.9	13.4	18.1	19.1	18.3
52.5°	7.0	7.3	7.7	8.0	8.1	8.0	8.0	10.1	12.3	14.1	14.8
50°	8.2	8.6	8.9	9.2	9.3	9.1	8.8	8.6	9.9	11.3	11.9
47.5°	10.9	11.3	10.7	10.5	11.3	10.7	10.3	10.4	11.0	10.6	11.2
45°	18.1	17.5	16.3	16.2	15.7	15.2	13.1	14.1	14.3	13.6	11.8
42.5°	34.8	29.6	25.7	26.0	24.4	22.8	20.8	20.5	19.8	18.1	17.0
40°	53.3	52.9	47.8	42.2	38.5	33.7	31.6	29.0	27.4	25.0	24.3
37.5°	75.8	73.9	77.1	74.2	63.6	54.0	47.4	40.5	36.1	38.4	36.4
35°	112.4	110.4	115.7	110.3	102.0	97.6	75.5	59.0	53.5	59.4	53.5
32.5°	167.5	194.0	185.4	171.1	178.4	168.0	134.0	92.5	91.9	90.5	80.2
30°	328.4	351.8	339.6	301.0	311.2	289.3	218.5	204.4	171.4	130.5	114.0
27.5°	715.6	583.4	562.4	554.4	491.7	450.6	415.3	374.2	288.5	211.7	158.4
25°	1224.6	1028.6	888.8	850.6	773.1	655.4	635.3	584.5	479.2	321.8	217.7
22.5°	1815.3	1545.0	1320.0	1180.5	1056.5	913.0	838.1	806.1	692.8	459.7	314.2
20°	2418.2	2058.8	1752.7	1530.1	1307.0	1135.6	1036.9	986.5	846.0	627.4	415.0
17.5°	3804.9	2702.6	2243.7	1905.1	1590.0	1356.3	1261.5	1142.0	998.8	790.0	513.0
15°	5966.8	4169.9	3088.4	2440.3	1974.7	1716.1	1553.0	1324.4	1148.8	933.5	665.5
12.5°	11189.7	6673.9	4118.7	3185.6	2584.0	2163.0	1894.1	1581.0	1318.2	1130.5	891.3
10°	16877.4	10149.7	6122.6	4266.3	3318.3	2674.0	2224.2	1841.0	1538.7	1345.6	1114.5
7.5°	23750.6	14072.0	8251.9	5304.9	3976.3	3109.4	2514.1	2062.1	1743.6	1547.1	1331.6
5°	29334.4	16911.3	9550.4	6082.8	4528.3	3518.0	2810.3	2249.7	1933.9	1736.0	1538.7
2.5°	32797.0	18437.3	10317.8	6727.6	4989.2	3861.1	3053.4	2409.3	2081.7	1858.6	1653.7
0°	33652.3	19639.2	10920.5	6747.8	5217.0	4073.9	3199.7	2549.0	2205.3	1961.4	1750.9
-2.5°	33712.0	19310.6	10791.4	6683.8	5105.9	4029.6	3204.2	2616.1	2275.7	2014.6	1786.6
-5°	31125.7	17596.3	10019.5	6454.3	4939.4	3928.6	3194.2	2677.2	2329.2	2059.2	1799.4
-7.5°	28146.8	15527.1	9031.5	6087.1	4702.9	3795.1	3178.9	2726.8	2365.6	2108.0	1816.3
-10°	22642.2	13066.0	8136.5	5772.2	4485.2	3656.8	3161.3	2742.2	2392.0	2147.9	1806.1
-12.5°	19115.9	10948.9	7048.5	5338.2	4309.8	3600.0	3146.1	2712.9	2410.1	2179.8	1766.9
-15°	14270.2	9130.4	6402.6	5016.0	4166.7	3524.8	3088.0	2627.0	2344.2	2163.8	1697.4
-17.5°	10629.4	7261.8	5483.0	4482.9	3821.7	3417.8	2969.2	2533.9	2231.5	2000.3	1521.1
-20°	7182.3	5646.5	4710.1	3940.4	3378.8	3043.8	2736.2	2371.2	2092.5	1766.6	1298.4



REPORT NUMBER: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5326.7	4507.2	3846.3	3305.1	2930.9	2649.0	2390.3	2128.4	1920.5	1524.6	1071.1
-25°	4138.6	3564.3	3133.1	2843.4	2521.9	2260.7	2074.9	1913.8	1652.0	1271.6	866.8
-27.5°	3320.6	2921.0	2690.0	2476.1	2226.8	1990.3	1835.7	1695.5	1381.7	1022.2	799.8
-30°	2778.1	2599.2	2403.4	2200.3	2011.3	1821.2	1662.8	1409.1	1119.2	828.9	739.4
-32.5°	2485.0	2348.6	2177.3	1996.7	1836.8	1699.2	1449.3	1137.3	871.6	766.0	689.4
-35°	2271.0	2131.2	1967.6	1833.4	1710.6	1499.3	1226.4	922.4	775.4	707.9	642.9
-37.5°	2074.4	1924.5	1810.3	1687.8	1506.1	1265.4	963.7	804.6	720.8	659.9	593.5
-40°	1946.9	1807.4	1627.5	1469.6	1222.7	949.1	828.3	746.0	680.5	609.2	540.7
-42.5°	1749.8	1570.0	1354.0	1106.8	905.1	832.3	762.3	700.6	632.7	557.5	490.1
-45°	1372.8	1151.1	948.9	879.8	812.8	761.0	711.2	645.2	574.0	506.5	440.3
-47.5°	962.0	895.6	833.6	791.0	748.7	701.4	643.2	579.8	517.0	455.2	403.3
-50°	824.2	799.1	767.9	728.0	678.9	626.7	573.1	517.1	463.1	414.9	365.5
-52.5°	776.3	739.7	698.3	651.7	604.2	556.8	507.0	464.4	419.6	374.3	327.7
-55°	706.1	667.6	626.0	581.2	535.8	499.0	459.9	418.7	377.1	333.9	293.5
-57.5°	634.2	598.3	562.5	525.5	487.3	449.1	410.8	372.3	335.0	296.9	260.2
-60°	577.0	543.6	509.1	472.2	432.8	394.9	362.1	328.2	293.2	262.7	231.3
-62.5°	522.6	489.1	452.7	415.3	379.9	347.2	316.2	286.6	259.2	231.4	195.8
-65°	446.3	414.5	383.4	353.1	323.8	295.9	269.8	241.2	212.0	184.3	153.5
-67.5°	357.3	334.4	310.7	284.9	256.2	228.8	202.7	178.0	154.5	131.2	104.4
-70°	254.0	233.1	211.4	190.0	170.4	151.3	131.8	112.4	93.1	78.2	62.8
-72.5°	149.2	134.9	120.5	106.2	91.2	80.7	71.2	61.3	50.6	39.1	30.4
-75°	73.4	66.6	59.7	52.8	45.4	37.3	33.0	30.6	28.0	25.3	22.5
-77.5°	36.6	33.8	31.2	29.2	27.3	25.4	23.5	21.5	20.0	18.6	17.3
-80°	23.7	22.1	20.6	19.7	18.7	17.6	16.5	15.6	14.7	14.0	13.2
-82.5°	15.5	14.7	13.8	13.1	12.5	11.7	11.0	10.6	10.1	9.6	9.0
-85°	10.2	9.5	8.8	8.4	8.1	7.7	7.4	7.4	7.5	7.5	7.6
-87.5°	7.0	6.4	5.8	5.8	5.8	5.7	5.7	6.0	6.2	6.5	6.7
-90°	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8



REPORT NUMBER: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	5.9	5.9	5.9	5.9	6.2	6.5	6.8	7.1	6.8	6.5	6.2
87.5°	4.8	4.8	4.8	4.8	5.1	5.4	5.6	5.9	5.9	5.9	5.9
85°	4.9	5.0	5.0	5.0	5.1	5.4	5.6	5.9	5.9	5.9	5.9
82.5°	5.1	5.3	5.5	5.6	5.6	5.6	5.7	5.9	5.9	5.9	5.9
80°	5.1	5.4	5.7	5.9	5.9	5.9	5.9	5.9	6.1	6.1	6.1
77.5°	5.2	5.4	5.7	5.9	5.9	5.9	5.9	6.0	6.2	6.4	6.4
75°	5.2	5.5	5.7	5.9	5.9	5.9	5.9	6.0	6.3	6.6	6.7
72.5°	5.7	5.7	5.8	5.9	5.9	5.9	5.9	6.0	6.3	6.6	6.9
70°	6.5	6.0	5.9	6.0	6.0	5.9	5.9	6.1	6.3	6.6	6.9
67.5°	7.7	7.0	6.4	6.2	6.3	6.2	6.0	6.1	6.4	6.7	7.0
65°	12.8	9.3	7.1	6.8	6.6	6.7	6.5	6.3	6.4	6.7	7.0
62.5°	17.5	12.7	9.5	7.7	7.0	6.9	7.0	6.7	6.5	6.8	7.0
60°	21.9	16.4	12.1	9.7	7.9	7.1	7.1	7.0	6.8	6.8	7.1
57.5°	20.3	19.0	15.5	11.8	9.4	7.7	7.1	7.1	7.0	6.9	7.1
55°	17.3	16.6	17.1	14.3	10.9	8.7	7.4	7.1	7.1	7.0	7.1
52.5°	14.1	15.0	16.2	15.6	12.6	9.8	8.2	7.1	7.1	7.1	7.1
50°	11.6	13.4	15.5	15.9	13.9	11.0	8.9	7.6	7.1	7.1	7.2
47.5°	11.6	13.2	14.5	16.2	15.0	12.1	9.7	8.2	7.1	7.1	7.3
45°	13.4	14.1	14.6	15.7	16.0	12.9	10.5	8.6	7.5	7.2	7.4
42.5°	16.4	16.6	16.2	15.4	16.0	13.5	11.0	9.1	7.8	7.2	7.5
40°	22.6	20.4	18.7	18.3	16.5	14.0	11.3	9.4	8.1	7.4	7.5
37.5°	30.0	26.3	22.9	23.5	18.9	15.2	11.5	9.6	8.5	7.8	7.6
35°	43.7	34.1	32.7	31.7	25.5	17.2	11.5	9.6	9.0	8.1	7.7
32.5°	60.1	50.6	49.0	42.6	33.8	19.9	12.7	10.5	9.5	8.4	7.7
30°	90.9	81.8	70.1	55.6	44.0	27.6	15.7	11.5	10.2	8.7	7.9
27.5°	140.2	118.4	96.8	75.0	56.3	36.9	19.5	12.8	10.9	9.1	8.1
25°	192.9	163.5	132.0	99.0	70.0	50.3	23.3	14.5	11.8	9.7	8.4
22.5°	248.6	212.3	170.8	125.6	89.6	66.2	30.6	17.6	13.0	10.2	8.6
20°	305.2	262.7	214.2	157.6	113.9	83.0	42.6	20.7	14.3	10.8	8.8
17.5°	367.6	324.0	270.3	198.0	140.2	100.6	55.6	23.7	15.6	11.4	9.0
15°	486.7	398.4	331.9	241.9	166.2	118.7	69.4	26.5	17.1	12.0	9.3
12.5°	632.0	473.6	397.2	288.2	191.7	137.0	83.6	29.1	18.5	13.0	9.6
10°	791.8	548.7	464.8	335.6	216.3	155.2	97.7	33.8	21.3	14.4	9.8
7.5°	959.3	623.1	533.0	382.8	242.8	180.9	125.3	43.3	24.4	15.9	10.1
5°	1115.0	690.3	600.6	441.4	284.0	213.9	155.0	53.2	27.5	17.4	10.3
2.5°	1208.0	744.9	664.0	498.4	323.7	245.7	183.7	63.1	30.5	18.8	10.5
0°	1283.4	795.8	722.0	550.7	361.6	276.0	210.5	72.6	33.3	20.2	10.7
-2.5°	1298.9	824.7	742.2	580.4	397.1	305.6	232.1	88.2	44.2	26.8	14.2
-5°	1295.7	850.3	757.8	604.9	429.9	333.2	250.1	102.8	54.7	33.1	17.6
-7.5°	1291.9	862.4	765.9	622.7	459.5	358.2	264.2	116.0	64.5	39.0	20.8
-10°	1263.7	865.1	763.9	620.2	465.8	368.4	272.0	127.7	73.5	44.4	23.7
-12.5°	1202.3	864.6	758.5	612.4	464.2	365.2	263.8	135.9	81.3	49.0	26.1
-15°	1104.4	860.9	750.2	599.1	457.8	359.8	254.3	141.6	87.6	53.2	28.0
-17.5°	961.1	854.2	739.3	580.4	446.3	352.3	243.9	145.7	92.9	56.9	29.7
-20°	893.6	821.4	723.9	556.3	429.3	342.8	233.1	148.0	97.1	59.6	31.2



REPORT NUMBER: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	843.8	767.1	667.9	534.0	411.1	331.2	222.5	148.6	100.1	61.3	32.0
-25°	786.0	711.3	608.4	493.0	396.0	314.3	216.8	147.3	102.0	61.7	32.0
-27.5°	723.6	652.4	551.9	452.1	373.5	299.0	214.1	148.7	102.5	61.0	31.2
-30°	660.8	590.8	503.9	415.3	350.1	278.2	209.2	148.7	101.4	59.7	29.5
-32.5°	612.5	535.0	459.0	388.2	325.5	257.0	197.5	147.0	98.7	57.7	28.2
-35°	567.1	489.8	416.8	360.6	301.0	239.3	183.8	143.6	94.1	54.3	26.7
-37.5°	519.9	448.6	386.2	333.1	276.7	220.1	172.7	132.9	87.8	49.7	24.4
-40°	474.4	410.8	357.1	307.1	253.8	199.6	160.5	120.7	81.0	43.8	21.4
-42.5°	428.7	377.8	328.5	281.6	230.1	184.9	147.1	107.7	71.3	38.7	17.8
-45°	391.7	344.1	298.7	253.6	206.3	169.2	131.9	94.1	60.5	33.7	15.0
-47.5°	353.6	310.0	268.5	225.6	187.8	152.2	115.8	81.1	49.0	27.7	14.1
-50°	315.3	276.8	239.2	202.6	168.3	133.6	99.2	67.1	40.9	20.5	13.1
-52.5°	283.5	246.7	212.9	180.3	147.4	114.3	82.5	52.8	32.1	17.1	11.8
-55°	254.2	218.5	187.8	156.7	125.4	94.5	64.9	42.1	22.7	15.3	10.5
-57.5°	226.4	191.4	161.3	132.0	102.2	73.6	50.0	30.8	18.7	13.3	10.3
-60°	197.8	163.2	133.7	105.1	77.5	54.6	36.4	21.7	16.0	11.5	10.1
-62.5°	162.8	131.8	102.3	76.2	55.5	38.2	24.0	18.3	13.2	11.0	9.8
-65°	122.9	94.7	69.6	52.4	36.2	24.4	19.7	14.7	12.0	10.5	9.5
-67.5°	79.2	61.4	44.8	29.9	23.8	19.7	15.3	12.8	11.2	9.9	9.2
-70°	47.3	32.7	25.9	22.4	18.7	15.3	13.3	11.6	10.3	9.4	8.8
-72.5°	26.9	23.5	20.3	17.2	15.3	13.5	11.8	10.4	9.6	8.9	8.4
-75°	19.7	17.9	16.3	14.8	13.1	11.6	10.4	9.5	8.9	8.4	8.0
-77.5°	15.9	14.7	13.5	12.4	11.3	10.2	9.3	8.5	8.2	7.9	7.7
-80°	12.3	11.6	11.0	10.5	9.6	8.8	8.3	7.9	7.7	7.5	7.3
-82.5°	8.8	8.8	8.9	8.8	8.4	8.0	7.7	7.4	7.3	7.1	7.0
-85°	7.6	7.6	7.6	7.4	7.3	7.1	7.1	7.1	7.0	6.9	6.7
-87.5°	6.7	6.7	6.6	6.6	6.7	6.8	6.9	7.1	6.9	6.7	6.5
-90°	4.8	4.8	4.8	4.8	5.1	5.4	5.6	5.9	5.9	5.9	5.9



REPORT NUMBER: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9
87.5°	5.9	6.0	6.0	6.0	6.0	5.9	5.9
85°	5.9	6.0	6.1	6.1	6.1	6.0	5.9
82.5°	5.9	6.1	6.2	6.3	6.2	6.0	5.9
80°	6.0	6.2	6.3	6.4	6.3	6.0	5.9
77.5°	6.3	6.3	6.4	6.5	6.4	6.0	5.9
75°	6.6	6.5	6.6	6.6	6.5	6.0	5.9
72.5°	6.9	6.7	6.7	6.7	6.6	6.1	5.9
70°	7.1	6.9	6.8	6.9	6.7	6.1	5.9
67.5°	7.1	7.0	6.9	6.9	6.7	6.1	5.9
65°	7.1	7.1	6.9	6.9	6.8	6.1	5.9
62.5°	7.1	7.1	7.0	7.0	6.9	6.1	5.9
60°	7.1	7.1	7.1	7.0	6.9	6.2	5.9
57.5°	7.1	7.1	7.1	7.0	6.9	6.2	5.9
55°	7.1	7.1	7.1	7.1	6.9	6.2	5.9
52.5°	7.1	7.1	7.1	7.1	6.9	6.2	5.9
50°	7.1	7.1	7.1	7.1	6.9	6.2	5.9
47.5°	7.1	7.1	7.1	7.1	6.9	6.2	5.9
45°	7.2	7.1	7.1	7.1	6.9	6.2	5.9
42.5°	7.3	7.1	7.1	7.1	6.9	6.2	5.9
40°	7.5	7.1	7.1	7.1	6.9	6.2	5.9
37.5°	7.6	7.1	7.1	7.1	6.9	6.2	5.9
35°	7.8	7.2	7.1	7.1	6.9	6.2	5.9
32.5°	7.9	7.3	7.1	7.1	6.9	6.2	5.9
30°	8.0	7.4	7.1	7.1	6.9	6.2	5.9
27.5°	8.1	7.6	7.1	7.1	7.0	6.1	5.9
25°	8.1	7.7	7.1	7.1	7.0	6.1	5.9
22.5°	8.2	7.8	7.1	7.1	7.0	6.1	5.9
20°	8.3	7.9	7.1	7.1	7.0	6.1	5.9
17.5°	8.4	8.0	7.1	7.1	7.0	6.1	5.9
15°	8.5	8.1	7.1	7.1	7.0	6.1	5.9
12.5°	8.6	8.2	7.1	7.1	7.1	6.0	5.9
10°	8.8	8.2	7.1	7.1	7.1	6.0	5.9
7.5°	9.0	8.2	7.1	7.1	7.1	6.0	5.9
5°	9.2	8.3	7.1	7.1	7.1	6.0	5.9
2.5°	9.3	8.3	7.1	7.1	7.1	5.9	5.9
0°	9.5	8.3	7.1	7.1	7.1	5.9	5.9
-2.5°	10.5	8.3	7.1	7.1	7.1	5.9	5.9
-5°	11.4	8.3	7.1	7.1	7.1	5.9	5.9
-7.5°	12.2	8.2	7.1	7.1	7.1	5.9	5.9
-10°	12.9	8.2	7.1	7.1	7.1	5.9	5.9
-12.5°	13.4	8.2	7.1	7.1	7.0	5.9	5.9
-15°	13.8	8.1	7.1	7.1	7.0	5.9	5.9
-17.5°	13.9	8.0	7.1	7.1	7.0	5.9	5.9
-20°	14.1	7.9	7.1	7.1	7.0	5.9	5.9



REPORT NUMBER: P731315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-3S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.5	7.8	7.1	7.1	6.9	5.9	5.9
-25°	14.5	8.0	7.1	7.1	6.9	5.9	5.9
-27.5°	14.1	8.1	7.1	7.1	6.8	5.9	5.9
-30°	13.3	8.2	7.1	7.1	6.8	5.9	5.9
-32.5°	12.0	8.2	7.2	7.1	6.7	5.9	5.9
-35°	11.5	8.1	7.3	7.1	6.7	5.9	5.9
-37.5°	11.4	8.1	7.4	7.1	6.6	5.9	5.9
-40°	11.1	8.2	7.5	7.1	6.5	5.9	5.9
-42.5°	10.7	8.2	7.5	7.1	6.5	5.9	5.9
-45°	10.2	8.3	7.6	7.1	6.4	5.9	5.9
-47.5°	9.5	8.3	7.6	7.2	6.3	5.9	5.9
-50°	9.3	8.3	7.6	7.1	6.2	5.9	5.9
-52.5°	9.3	8.3	7.6	7.0	6.2	5.9	5.9
-55°	9.2	8.3	7.6	6.9	6.1	5.9	5.9
-57.5°	9.1	8.2	7.6	6.8	6.0	5.9	5.9
-60°	9.0	8.1	7.5	6.7	5.9	5.9	5.9
-62.5°	8.9	8.1	7.4	6.6	5.9	5.9	5.9
-65°	8.7	7.9	7.2	6.4	5.9	5.9	5.9
-67.5°	8.5	7.8	7.0	6.3	5.9	5.9	5.9
-70°	8.2	7.5	6.9	6.2	5.9	5.9	5.9
-72.5°	8.0	7.3	6.7	6.1	5.9	5.9	5.9
-75°	7.7	7.1	6.5	6.1	5.9	5.9	5.9
-77.5°	7.4	6.9	6.4	6.1	5.9	5.9	5.9
-80°	7.1	6.7	6.3	6.0	5.9	5.9	5.9
-82.5°	6.8	6.5	6.2	6.0	5.9	5.9	5.9
-85°	6.5	6.3	6.1	6.0	5.9	5.9	5.9
-87.5°	6.2	6.1	6.0	5.9	5.9	5.9	5.9
-90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9

(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

