

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: P731427 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-80-1S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731427 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-57-80-1S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

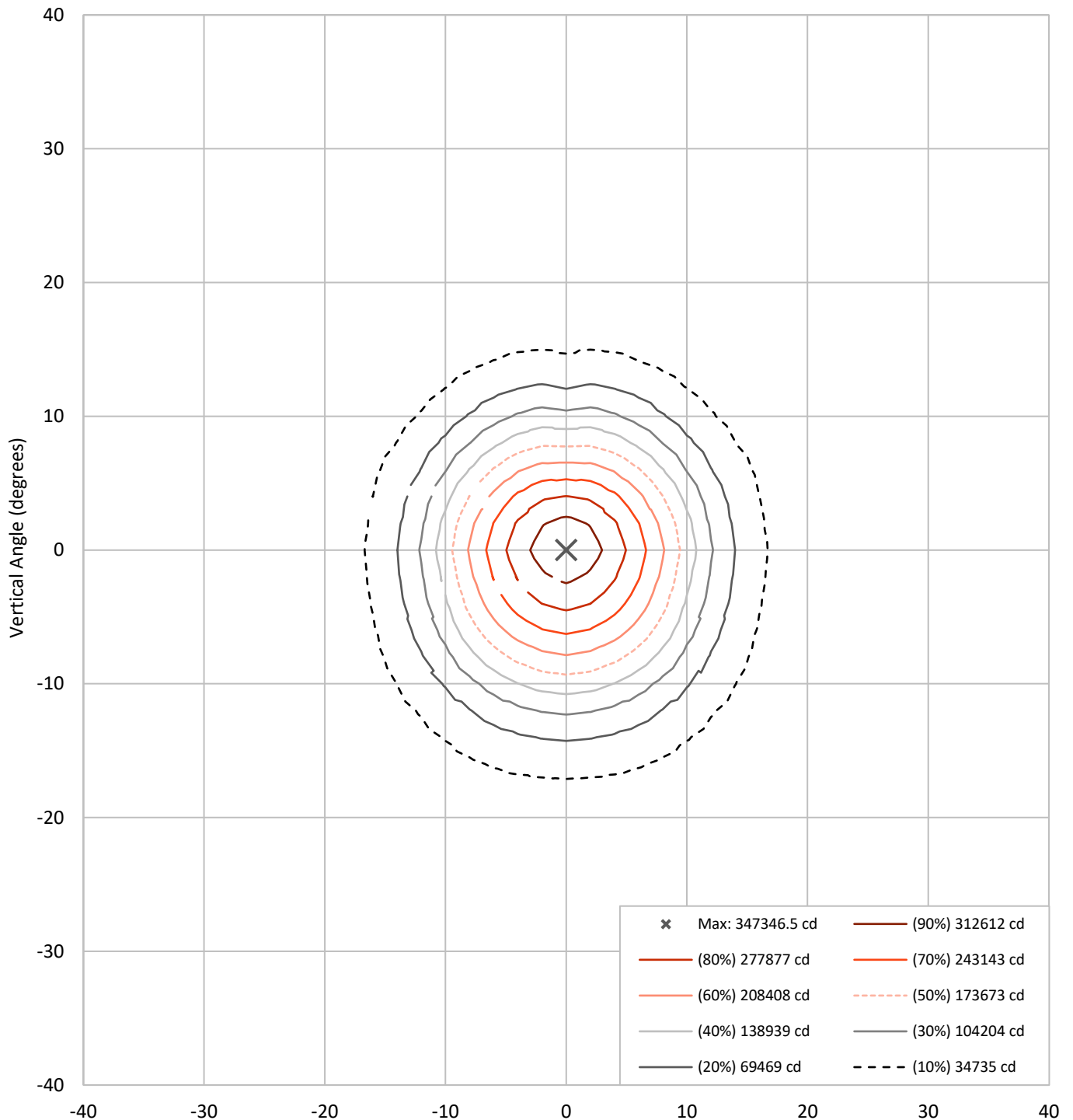
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	40046.1 lumens	Max Intensity:	347346.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	116.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 17.1°V	Field Angle (10%):	33.2°H x 31.5°V
Beam Lumens:	18446.2 lumens	Field Lumens:	33906.8 lumens
Beam Efficiency:	46.1%	Field Efficiency:	84.7%

Input Watts (W): 343.2
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: P731427 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





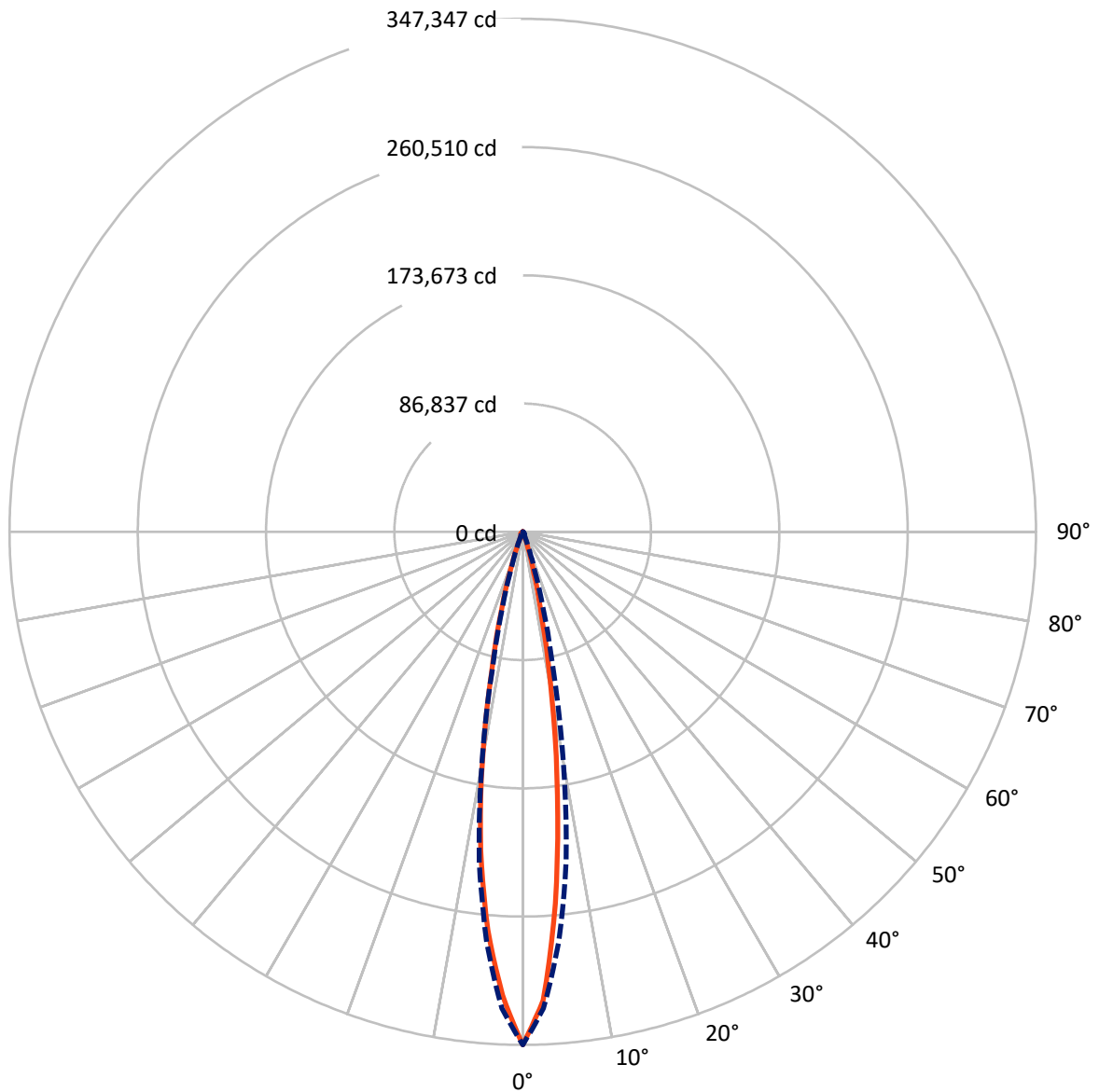
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Lumen Table

90	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1								
80	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1								
70	0.1	0.1	0.1	0.3	0.4	0.2	0.2	0.1	0.1	0.2	0.2	0.4	0.3	0.1	0.1	0.1			
60		0.1	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.1				
50	0.1	0.1	0.2	0.3	0.3	0.4	0.6	0.7	0.7	0.6	0.4	0.3	0.3	0.2	0.1	0.1			
40		0.1	0.4	0.9	1.9	3.0	3.2	3.7	3.7	3.2	3.0	1.9	0.9	0.4	0.1				
30	0.1	0.2	1.4	4.9	12.9	15.7	20.8	38.8	38.8	20.8	15.7	12.9	4.9	1.4	0.2	0.1			
20		0.5	3.1	12.6	27.6	38.7	264.4	1063.4	1063.4	264.4	38.7	27.6	12.6	3.1	0.5				
10	0.2	0.9	5.3	24.4	41.6	96.4	1381.7	5963.0	5963.0	1381.7	96.4	41.6	24.4	5.3	0.9	0.2			
0		1.5	7.0	28.7	48.1	95.7	1499.0	6382.0	6382.0	1499.0	95.7	48.1	28.7	7.0	1.5				
-10	0.3	1.7	7.2	27.0	51.2	60.1	434.8	1646.4	1646.4	434.8	60.1	51.2	27.0	7.2	1.7	0.3			
-20		1.6	6.3	14.9	39.0	48.4	59.1	109.2	109.2	59.1	48.4	39.0	14.9	6.3	1.6				
-30	0.2	1.4	4.7	8.8	21.7	41.3	49.3	51.1	51.1	49.3	41.3	21.7	8.8	4.7	1.4	0.2			
-40		0.9	3.3	6.9	11.1	20.2	36.9	50.9	50.9	36.9	20.2	11.1	6.9	3.3	0.9				
-50	0.1	0.4	1.9	4.6	8.5	12.1	15.1	16.9	16.9	15.1	12.1	8.5	4.6	1.9	0.4	0.1			
-60		0.2	0.6	2.1	4.5	7.4	10.3	12.2	12.2	10.3	7.4	4.5	2.1	0.6	0.2				
-70	0.1	0.4	1.9	4.6	8.5	12.1	15.1	16.9	16.9	15.1	12.1	8.5	4.6	1.9	0.4	0.1			
-80		0.2	0.6	2.1	4.5	7.4	10.3	12.2	12.2	10.3	7.4	4.5	2.1	0.6	0.2				
-90	0.1	0.5	1.6	4.0	6.0	4.0	1.6	0.5	0.1										

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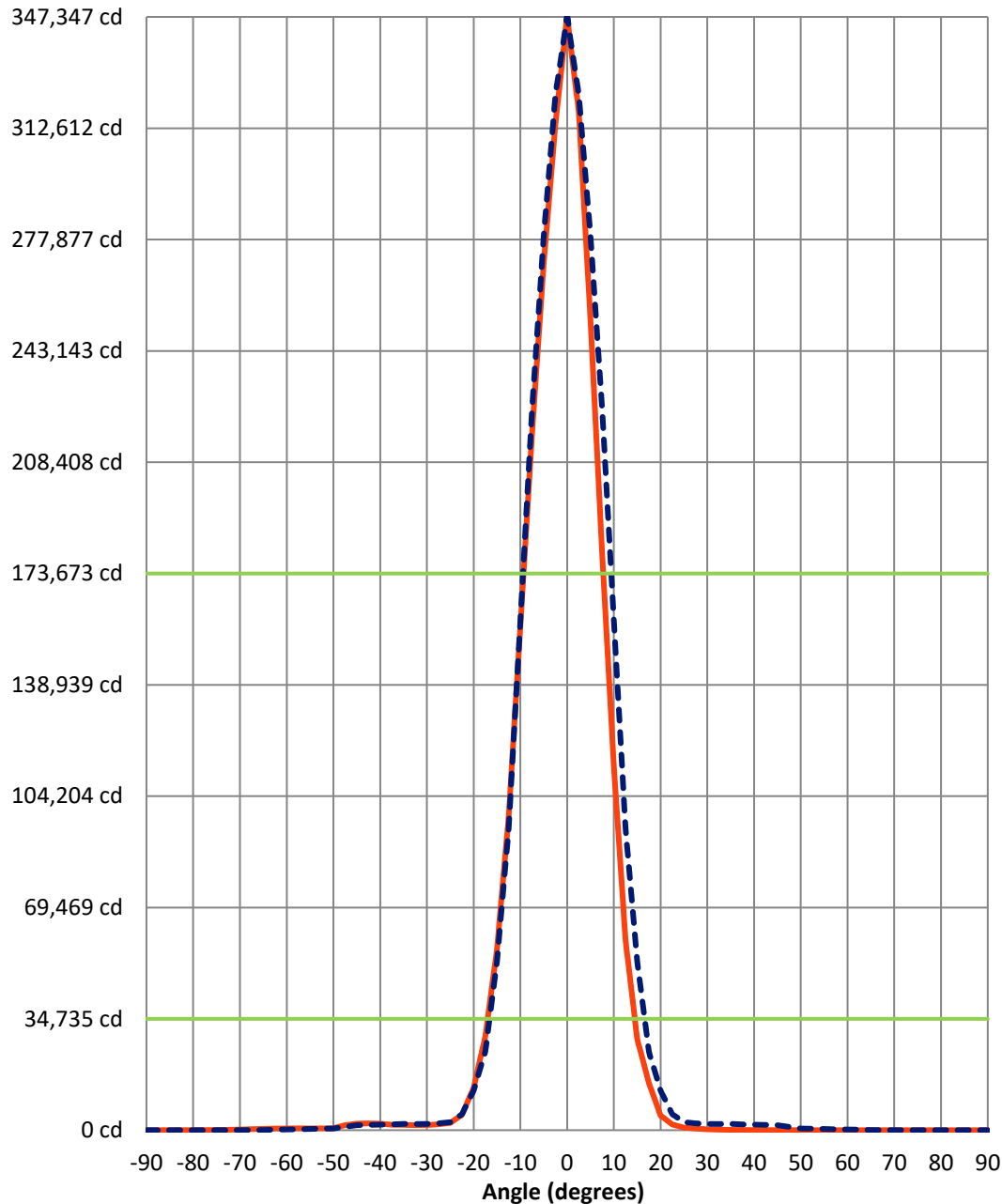
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 18.9°
 V Angle: 17.1°
 Lumens: 18446.2
 Efficiency: 46.1%

Field:
 H Angle: 33.2°
 V Angle: 31.5°
 Lumens: 33906.8
 Efficiency: 84.7%

Spill:
 Lumens: 6139.3
 Efficiency: 15.3%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.5	4.7	4.9	5.1
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.1	3.9	3.6	3.4
85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.1	3.9	3.6	3.4
82.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.1	3.9	3.7	3.7
80°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.1	4.0	4.0	4.0
77.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.3
75°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
72.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
70°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
67.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4
65°	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.3	4.5	4.6	4.5
62.5°	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.7	4.7	4.5
60°	4.3	4.3	4.3	4.3	4.3	4.5	4.5	4.7	4.9	4.7	4.5
57.5°	4.3	4.3	4.3	4.3	4.4	4.5	4.6	4.9	4.9	4.8	4.6
55°	4.3	4.3	4.3	4.3	4.5	4.6	4.8	5.1	5.0	4.8	4.6
52.5°	4.3	4.3	4.3	4.3	4.5	4.7	4.9	5.1	5.0	4.8	4.7
50°	4.3	4.3	4.3	4.3	4.6	4.8	5.0	5.1	5.1	4.9	5.2
47.5°	4.3	4.3	4.3	4.3	4.7	4.9	5.1	5.1	5.1	4.9	5.8
45°	4.3	4.3	4.3	4.4	4.8	5.0	5.1	5.1	5.1	5.3	6.2
42.5°	4.3	4.3	4.3	4.5	4.9	5.0	5.1	5.1	5.2	5.6	6.8
40°	4.3	4.3	4.3	4.5	5.0	5.1	5.1	5.2	5.3	5.8	7.2
37.5°	4.3	4.3	4.3	4.6	5.0	5.1	5.1	5.3	5.6	6.2	7.6
35°	4.3	4.3	4.3	4.7	5.1	5.1	5.1	5.4	5.8	6.8	7.9
32.5°	4.3	4.3	4.3	4.7	5.1	5.1	5.1	5.5	6.1	7.5	8.8
30°	4.3	4.3	4.3	4.8	5.1	5.1	5.2	5.7	6.3	8.4	10.0
27.5°	4.3	4.3	4.3	4.8	5.1	5.1	5.3	5.9	6.7	9.3	11.3
25°	4.3	4.3	4.3	4.9	5.1	5.1	5.4	6.0	7.4	10.3	12.7
22.5°	4.3	4.3	4.3	4.9	5.1	5.1	5.5	6.2	8.1	11.4	14.9
20°	4.3	4.3	4.3	5.0	5.1	5.2	5.7	6.4	8.8	12.6	17.1
17.5°	4.3	4.3	4.3	5.0	5.1	5.3	5.8	6.5	9.6	13.9	19.1
15°	4.3	4.3	4.3	5.0	5.1	5.4	6.0	6.7	10.3	15.2	21.1
12.5°	4.3	4.3	4.3	5.0	5.1	5.5	6.1	7.0	11.1	16.5	23.0
10°	4.3	4.3	4.3	5.1	5.1	5.6	6.3	7.3	11.9	18.0	25.6
7.5°	4.3	4.3	4.3	5.1	5.1	5.7	6.4	7.6	12.7	19.6	30.5
5°	4.3	4.3	4.3	5.1	5.1	5.8	6.6	7.9	13.4	21.1	35.5
2.5°	4.3	4.3	4.3	5.1	5.1	5.9	6.7	8.2	14.0	22.6	40.4
0°	4.3	4.3	4.3	5.1	5.1	6.0	6.8	8.5	14.5	23.9	45.2
-2.5°	4.3	4.3	4.3	5.1	5.2	6.1	7.2	10.2	18.3	31.0	57.3
-5°	4.3	4.3	4.4	5.1	5.3	6.2	7.7	11.9	21.9	37.8	68.6
-7.5°	4.3	4.3	4.4	5.1	5.3	6.2	8.1	13.4	25.3	44.1	79.0
-10°	4.3	4.3	4.4	5.1	5.4	6.3	8.4	14.7	28.2	49.7	88.0
-12.5°	4.3	4.3	4.5	5.1	5.5	6.3	8.7	15.8	30.7	54.7	95.1
-15°	4.3	4.3	4.5	5.0	5.5	6.4	8.9	16.7	33.4	59.8	100.7
-17.5°	4.3	4.3	4.5	5.0	5.5	6.4	9.0	17.9	36.5	64.1	104.9
-20°	4.3	4.3	4.5	5.0	5.6	6.4	9.3	19.4	38.9	67.5	107.7



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 CATALOG NUMBER: EPH-LS-08-0320N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.3	4.3	4.6	5.0	5.6	6.5	9.9	20.3	40.4	69.8	109.0
-25°	4.3	4.3	4.6	5.0	5.6	6.6	10.2	20.6	41.0	71.0	108.6
-27.5°	4.3	4.3	4.6	5.0	5.6	6.8	10.3	20.3	40.6	71.3	109.5
-30°	4.3	4.3	4.6	5.0	5.5	7.0	10.1	19.3	40.0	70.8	109.1
-32.5°	4.3	4.3	4.6	5.0	5.6	7.0	9.6	18.9	38.9	69.0	107.1
-35°	4.3	4.3	4.6	5.0	5.6	7.1	9.5	18.3	36.9	65.8	103.6
-37.5°	4.3	4.3	4.6	5.1	5.6	7.1	9.5	17.3	33.8	61.2	94.5
-40°	4.3	4.3	4.6	5.1	5.5	7.1	9.4	15.8	29.7	56.4	84.6
-42.5°	4.3	4.3	4.6	5.1	5.5	7.0	9.3	13.8	26.6	49.0	74.0
-45°	4.3	4.3	4.5	5.1	5.6	6.9	9.0	12.3	23.8	40.8	63.1
-47.5°	4.3	4.3	4.5	5.2	5.6	6.8	8.7	11.9	20.4	32.3	53.4
-50°	4.3	4.3	4.5	5.1	5.6	6.6	8.4	11.3	16.0	27.4	43.3
-52.5°	4.3	4.3	4.4	5.0	5.6	6.4	8.2	10.7	14.0	22.2	33.2
-55°	4.3	4.3	4.4	5.0	5.5	6.3	7.9	9.9	12.9	16.7	27.1
-57.5°	4.3	4.3	4.3	4.9	5.5	6.2	7.5	9.5	11.8	14.5	20.7
-60°	4.3	4.3	4.3	4.8	5.4	6.1	7.2	8.9	10.7	13.2	15.8
-62.5°	4.3	4.3	4.3	4.7	5.3	6.0	6.9	8.3	10.0	11.9	14.3
-65°	4.3	4.3	4.3	4.7	5.2	5.8	6.6	7.8	9.3	10.9	12.8
-67.5°	4.3	4.3	4.3	4.6	5.1	5.6	6.3	7.4	8.6	10.1	11.6
-70°	4.3	4.3	4.3	4.5	5.0	5.4	6.0	6.9	8.0	9.3	10.7
-72.5°	4.3	4.3	4.3	4.5	4.8	5.3	5.7	6.4	7.4	8.5	9.8
-75°	4.3	4.3	4.3	4.4	4.7	5.1	5.5	6.1	6.8	7.8	8.8
-77.5°	4.3	4.3	4.3	4.4	4.6	4.9	5.3	5.8	6.4	7.0	7.9
-80°	4.3	4.3	4.3	4.4	4.6	4.8	5.1	5.5	6.0	6.5	7.1
-82.5°	4.3	4.3	4.3	4.4	4.5	4.7	4.9	5.2	5.6	6.0	6.4
-85°	4.3	4.3	4.3	4.4	4.4	4.6	4.7	5.0	5.3	5.6	5.9
-87.5°	4.3	4.3	4.3	4.3	4.4	4.4	4.5	4.7	5.0	5.2	5.5
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.1	3.9	3.6	3.4



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 CATALOG NUMBER: EPH-LS-08-0320N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
87.5°	3.4	3.4	3.4	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6
85°	3.4	3.4	3.4	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6
82.5°	3.7	3.6	3.5	3.4	3.2	3.0	2.8	2.7	2.7	2.7	2.7
80°	4.0	3.9	3.7	3.4	3.3	3.2	3.2	3.3	3.2	3.0	2.8
77.5°	4.1	3.9	3.7	3.5	3.4	3.5	3.5	3.4	3.3	3.1	2.9
75°	4.1	3.9	3.8	3.8	3.9	3.8	3.7	3.5	3.3	3.3	3.3
72.5°	4.2	4.1	4.1	4.3	4.2	4.0	3.7	3.5	3.7	4.1	4.5
70°	4.3	4.3	4.3	4.3	4.2	4.1	4.3	4.8	5.5	6.4	7.9
67.5°	4.3	4.3	4.3	4.3	4.3	4.6	5.2	8.3	12.1	13.7	14.3
65°	4.3	4.3	4.3	4.3	4.3	6.7	10.1	14.5	19.0	19.9	19.3
62.5°	4.3	4.3	4.3	4.9	6.9	10.1	14.2	18.9	24.2	24.3	21.3
60°	4.4	4.3	5.1	7.0	9.4	12.5	17.2	20.9	24.9	26.7	20.4
57.5°	4.4	4.9	6.7	8.9	11.5	13.9	16.6	20.3	22.2	22.4	16.5
55°	4.8	6.0	8.1	10.7	12.7	12.5	14.6	16.2	16.9	16.0	11.4
52.5°	5.6	7.1	9.5	11.9	12.7	11.8	11.4	12.4	12.0	10.3	8.4
50°	6.4	8.3	10.9	12.9	12.7	10.9	9.2	9.7	9.3	8.1	6.8
47.5°	7.2	9.4	12.4	13.8	12.2	10.9	9.4	8.9	8.5	8.6	7.7
45°	8.0	10.5	13.8	13.6	12.6	12.0	10.9	9.3	10.8	11.1	10.8
42.5°	8.7	11.5	13.8	13.6	14.2	13.9	12.9	13.6	14.4	15.1	15.4
40°	9.3	12.2	14.0	16.1	16.4	16.3	17.7	18.9	19.0	20.2	21.2
37.5°	9.8	12.8	15.7	20.5	18.9	20.5	23.2	25.7	27.0	26.0	29.1
35°	10.0	14.0	21.3	26.3	24.9	26.2	30.5	35.3	40.1	37.3	42.7
32.5°	10.8	15.5	28.4	32.9	37.7	38.0	38.7	52.1	62.3	66.9	69.5
30°	12.7	22.0	36.3	40.6	55.7	58.9	58.3	74.9	93.8	138.7	173.1
27.5°	15.3	30.0	43.6	56.4	77.9	83.4	91.4	110.5	168.3	253.7	350.3
25°	17.9	40.3	51.7	77.8	101.8	113.2	126.9	155.6	272.6	464.0	534.0
22.5°	23.4	51.9	64.6	102.2	128.2	143.8	168.6	238.9	400.4	694.5	713.4
20°	32.3	62.7	83.6	125.4	157.0	174.1	210.2	325.2	542.5	756.8	840.2
17.5°	41.7	74.6	104.3	148.7	188.2	212.5	256.9	407.3	653.2	837.4	935.7
15°	51.4	87.5	123.4	174.5	222.3	260.7	349.3	518.2	730.0	932.6	1074.0
12.5°	61.0	100.9	141.0	202.0	258.8	308.8	461.0	701.6	897.6	1060.6	1247.4
10°	70.5	114.6	157.0	230.3	296.9	356.3	584.0	899.1	1092.3	1236.1	1399.7
7.5°	93.5	135.6	174.8	258.8	335.6	402.9	712.4	1103.7	1269.2	1386.4	1509.5
5°	119.3	163.7	209.0	301.0	377.8	447.4	837.4	1306.9	1431.6	1516.6	1593.2
2.5°	144.9	190.8	242.5	343.1	419.8	488.3	942.8	1439.3	1546.1	1627.0	1688.0
0°	169.0	216.7	274.8	382.3	459.1	526.5	1033.4	1551.3	1647.8	1728.8	1802.2
-2.5°	182.4	237.7	299.0	397.2	463.6	528.9	962.8	1513.1	1657.1	1765.1	1874.7
-5°	192.9	257.0	321.3	409.8	466.7	529.1	880.2	1447.2	1668.1	1802.6	1936.4
-7.5°	200.4	274.3	341.8	420.1	470.5	531.2	875.8	1470.6	1734.7	1856.5	1987.9
-10°	203.7	280.8	345.9	422.2	475.1	533.5	864.9	1459.8	1798.9	1912.7	2030.6
-12.5°	197.3	277.7	344.8	421.6	478.9	533.3	820.6	1410.9	1862.9	1974.2	2051.7
-15°	190.0	273.2	340.7	418.0	482.1	530.6	738.5	1321.8	1874.5	1945.9	2022.2
-17.5°	182.1	267.3	333.4	411.5	484.9	525.3	608.6	1096.6	1681.3	1852.7	1973.9
-20°	174.2	260.2	322.7	401.9	485.3	507.7	550.1	880.2	1372.8	1718.6	1878.4



REPORT NUMBER: P731427 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	166.6	251.9	310.6	388.9	453.2	481.2	512.2	679.3	1050.9	1546.1	1709.5
-25°	163.1	239.2	299.4	361.9	420.3	453.5	471.3	517.0	786.3	1220.4	1522.2
-27.5°	161.9	228.2	282.8	335.8	391.9	423.4	437.4	471.1	617.1	906.5	1314.2
-30°	158.6	211.5	265.2	312.1	363.7	394.3	405.6	435.4	485.3	695.0	990.7
-32.5°	149.0	194.1	245.8	291.9	336.7	371.9	387.1	414.2	450.1	514.1	726.3
-35°	137.2	179.4	225.6	270.9	312.1	350.5	377.3	396.8	421.3	453.6	557.7
-37.5°	126.7	163.9	205.2	249.1	288.7	328.2	366.2	384.0	403.2	427.9	471.5
-40°	115.2	147.8	186.8	226.8	265.6	304.1	340.9	373.1	388.3	413.8	443.8
-42.5°	102.8	134.0	168.7	204.5	241.6	278.0	314.4	348.6	381.5	401.6	425.7
-45°	90.3	119.3	150.3	183.9	217.0	251.1	285.1	320.3	361.0	396.2	413.7
-47.5°	77.1	103.9	133.1	162.8	193.4	224.2	255.2	293.1	333.7	371.8	408.8
-50°	63.8	88.6	115.4	143.3	170.6	198.2	226.5	266.0	305.3	342.4	377.7
-52.5°	52.0	72.4	97.9	124.3	149.3	173.8	202.9	239.0	276.5	313.1	346.7
-55°	39.7	58.3	79.4	104.3	129.3	151.6	179.6	212.6	246.5	281.7	314.6
-57.5°	30.6	44.2	62.4	82.9	106.7	131.4	158.6	186.1	216.9	248.9	278.0
-60°	23.2	32.6	46.1	63.3	82.1	106.6	136.0	163.2	189.1	214.6	241.9
-62.5°	16.7	24.2	33.1	44.6	60.8	79.8	104.6	132.6	162.7	184.8	206.3
-65°	15.0	17.2	23.4	31.6	40.1	55.8	74.5	95.5	120.8	143.3	166.2
-67.5°	13.3	15.4	17.4	20.6	28.1	36.5	45.3	62.0	80.4	96.0	112.2
-70°	12.1	13.5	15.3	17.2	19.1	22.8	30.3	38.0	45.6	54.3	67.4
-72.5°	10.9	12.0	13.4	15.0	16.7	18.5	20.6	22.8	27.3	32.9	38.3
-75°	9.7	10.5	11.5	12.7	14.1	15.6	17.2	18.9	20.5	21.9	23.3
-77.5°	8.5	9.1	9.8	10.5	11.4	12.4	13.6	14.9	16.1	17.2	18.2
-80°	7.4	7.7	8.1	8.7	9.3	10.0	10.6	11.3	11.9	12.7	13.5
-82.5°	6.5	6.6	6.8	7.0	7.4	7.9	8.4	8.9	9.3	9.6	10.0
-85°	5.7	5.6	5.5	5.5	5.9	6.3	6.6	7.0	7.2	7.3	7.5
-87.5°	5.4	5.3	5.2	5.1	5.2	5.4	5.6	5.7	5.8	5.8	5.8
-90°	3.4	3.4	3.4	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6



REPORT NUMBER: P731427 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.1	5.3	5.6	5.8	6.0	6.4	6.8	7.3	7.7	10.9	14.1
87.5°	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.9	0.9
85°	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.9	0.9
82.5°	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.9	0.9
80°	2.6	2.4	2.2	2.0	1.7	1.6	1.6	1.6	1.6	1.5	1.3
77.5°	2.7	2.6	2.5	2.3	2.2	2.1	2.0	1.9	1.7	1.5	1.3
75°	3.3	3.3	3.2	3.0	2.7	2.4	2.2	2.0	1.7	1.7	1.7
72.5°	4.7	4.6	4.3	4.2	3.8	3.5	3.5	3.3	3.1	3.1	3.2
70°	8.7	8.9	8.5	7.7	6.5	5.8	5.4	4.9	4.3	4.2	4.5
67.5°	13.8	12.6	11.6	10.5	8.9	7.7	7.0	6.4	5.8	5.6	5.8
65°	17.4	13.7	11.8	10.3	9.2	8.2	7.4	6.6	5.8	5.3	5.2
62.5°	17.4	12.4	10.0	8.9	8.1	7.4	6.3	5.3	4.5	3.9	4.0
60°	14.9	10.2	7.5	6.5	5.7	5.1	4.6	4.1	3.7	3.4	3.5
57.5°	11.4	7.4	5.1	5.0	4.8	4.5	4.2	4.0	3.7	3.4	3.6
55°	7.9	6.1	5.1	5.2	5.3	5.2	4.9	4.5	4.2	4.0	4.1
52.5°	6.3	6.1	6.4	6.5	6.0	5.5	5.1	5.1	5.2	5.3	5.5
50°	6.7	7.0	7.1	6.7	6.4	6.2	5.9	6.2	6.6	6.9	7.2
47.5°	7.8	8.2	8.4	7.6	7.7	8.2	7.8	8.0	9.6	10.8	11.7
45°	10.3	11.5	11.7	11.9	11.7	12.9	13.6	14.2	17.4	18.7	18.6
42.5°	15.8	17.7	18.8	20.1	19.1	22.6	27.5	30.9	30.1	28.8	29.2
40°	23.8	27.3	32.2	34.8	37.8	41.7	43.1	37.3	36.4	41.1	41.5
37.5°	36.1	45.6	56.0	64.0	65.4	63.7	61.6	60.7	62.0	65.1	69.7
35°	59.5	81.6	91.2	96.3	99.4	90.0	86.5	89.9	86.9	95.5	98.4
32.5°	105.4	133.8	142.2	146.0	153.7	144.3	123.3	148.1	138.7	137.3	146.9
30°	167.0	206.9	241.1	243.6	238.1	236.6	248.6	251.8	240.6	240.6	278.1
27.5°	319.9	329.0	389.6	417.0	348.4	353.6	386.3	368.9	409.5	448.7	479.6
25°	506.6	514.2	620.0	603.8	531.2	551.9	571.0	567.2	614.2	661.4	714.9
22.5°	678.2	709.0	795.9	773.4	741.1	750.0	767.5	802.3	865.6	961.3	1210.8
20°	815.1	835.1	877.3	896.6	898.4	915.9	971.9	1067.9	1264.8	1910.8	2690.6
17.5°	947.1	916.2	967.0	1000.2	1036.2	1100.4	1230.6	1623.7	2573.3	4531.3	6450.1
15°	1138.8	1119.7	1089.8	1135.3	1235.1	1366.4	1670.7	3107.8	6334.0	10005.4	13822.4
12.5°	1347.5	1322.4	1281.1	1319.5	1471.0	1704.9	3135.0	6777.0	11934.2	18516.1	31337.0
10°	1514.0	1502.7	1477.0	1558.4	1756.2	2461.0	4993.9	10724.6	18393.2	33661.4	52325.4
7.5°	1615.8	1610.7	1632.6	1766.0	2035.4	3594.0	8163.8	16143.3	29618.8	50815.2	82146.7
5°	1727.1	1719.2	1754.5	1916.2	2234.9	4320.5	10639.8	21011.0	41079.3	70405.3	115905.3
2.5°	1846.5	1828.2	1864.5	2048.9	2391.2	4481.6	11195.7	22468.9	47882.5	85506.3	146467.3
0°	1966.9	1929.4	1949.0	2133.3	2507.9	5009.9	12347.6	24570.6	52691.8	94243.0	159078.9
-2.5°	1976.7	1913.1	1932.6	2102.9	2461.7	4313.5	10720.3	22634.0	50079.5	87687.9	145679.5
-5°	1993.3	1910.4	1904.9	2054.2	2395.7	3935.3	9095.0	20700.5	44245.8	77164.4	127416.9
-7.5°	2024.3	1926.2	1879.0	1989.4	2291.1	3421.0	7420.2	17232.5	35794.6	62935.8	99351.5
-10°	2075.0	1969.6	1892.4	1940.9	2159.1	2790.0	4909.6	12525.0	27094.9	47450.2	72133.8
-12.5°	2137.6	2088.8	1973.0	1905.9	2025.8	2367.6	3859.0	9357.8	19036.6	30019.7	48026.5
-15°	2166.6	2185.0	2101.3	1967.9	1975.7	2187.2	2699.0	5123.7	11949.6	19929.8	28812.6
-17.5°	2127.1	2214.2	2117.4	1964.3	1902.3	2027.6	2267.0	3156.0	5521.9	10647.6	15857.4
-20°	2011.9	2040.4	2020.6	1928.7	1863.6	1870.5	1989.0	2219.5	2681.0	4359.0	6203.0



REPORT NUMBER: P731427 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1798.5	1816.8	1811.6	1879.6	1806.6	1773.8	1799.6	1889.1	2032.3	2250.0	2860.2
-25°	1616.6	1608.9	1650.9	1764.6	1782.6	1703.3	1682.5	1689.0	1770.5	1867.1	2000.9
-27.5°	1443.0	1495.6	1588.0	1703.5	1753.6	1700.2	1633.2	1589.3	1628.5	1659.0	1719.0
-30°	1297.8	1433.5	1530.5	1635.6	1711.1	1702.6	1637.3	1615.8	1597.3	1575.8	1591.0
-32.5°	1066.6	1358.7	1458.7	1544.6	1636.1	1673.1	1672.6	1663.5	1671.8	1654.2	1615.1
-35°	829.0	1143.7	1403.3	1451.1	1510.3	1597.6	1664.6	1675.2	1685.2	1684.7	1675.3
-37.5°	594.7	887.3	1150.4	1343.9	1413.4	1477.4	1602.2	1668.9	1690.6	1725.1	1737.9
-40°	487.7	575.5	838.5	1075.2	1234.8	1428.6	1558.3	1679.0	1803.1	1875.7	1916.8
-42.5°	455.6	492.1	530.7	712.7	940.2	1153.1	1356.4	1586.2	1762.5	1899.5	2036.1
-45°	432.5	455.9	481.6	517.3	553.1	733.4	940.6	1148.5	1343.7	1540.3	1729.1
-47.5°	423.3	431.9	449.7	470.2	494.0	525.6	555.5	601.8	762.8	922.3	1093.4
-50°	408.6	430.1	437.8	445.2	464.5	483.0	497.3	516.9	536.3	548.5	564.7
-52.5°	377.6	405.3	429.0	450.7	463.2	473.9	483.5	499.5	514.5	527.6	536.6
-55°	345.5	374.2	401.5	428.2	453.1	477.1	497.9	509.5	521.1	532.8	537.6
-57.5°	307.9	338.0	367.5	395.3	422.6	449.2	472.8	494.1	514.5	533.5	545.3
-60°	268.4	294.1	323.9	354.8	383.3	409.5	435.6	460.3	483.0	502.4	514.6
-62.5°	230.0	254.5	279.0	306.9	337.7	367.5	391.1	415.0	439.0	460.2	475.5
-65°	188.3	208.8	228.5	249.4	271.5	295.4	320.3	344.8	368.7	388.8	403.9
-67.5°	131.5	151.1	169.3	187.3	203.9	220.6	238.5	256.7	274.8	290.7	304.1
-70°	80.2	92.1	102.6	114.1	127.8	141.9	156.0	169.0	180.8	190.6	198.4
-72.5°	43.4	48.0	53.1	61.5	69.3	77.7	86.4	94.4	101.7	108.4	114.5
-75°	24.7	26.8	30.5	33.7	36.6	40.2	44.1	47.8	51.3	54.8	58.0
-77.5°	19.3	20.4	21.4	22.3	23.2	24.5	26.0	27.4	28.9	31.5	34.2
-80°	14.4	15.1	15.7	16.4	17.0	17.9	18.7	19.6	20.3	21.5	22.6
-82.5°	10.4	10.8	11.1	11.3	11.6	12.2	12.8	13.4	14.0	15.2	16.4
-85°	7.6	7.7	7.8	7.9	8.0	8.3	8.6	8.9	9.2	10.3	11.5
-87.5°	5.8	5.9	5.9	6.0	6.0	6.2	6.4	6.6	6.8	7.9	9.0
-90°	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.5



REPORT NUMBER: P731427 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	17.3	20.5	23.5	26.5	23.5	20.5	17.3	14.1	10.9	7.7	7.3
87.5°	0.9	0.9	0.4	0.0	0.4	0.9	0.9	0.9	0.9	0.9	1.1
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
80°	1.1	0.9	0.9	0.9	0.9	0.9	1.1	1.3	1.5	1.6	1.6
77.5°	1.1	0.9	0.9	0.9	0.9	0.9	1.1	1.3	1.5	1.7	1.9
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.0
72.5°	3.3	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.1	3.1	3.3
70°	4.8	5.0	5.5	6.0	5.5	5.0	4.8	4.5	4.2	4.3	4.9
67.5°	5.9	6.0	5.2	4.3	5.2	6.0	5.9	5.8	5.6	5.8	6.4
65°	5.2	5.1	4.7	4.3	4.7	5.1	5.2	5.2	5.3	5.8	6.6
62.5°	4.1	4.3	4.3	4.3	4.3	4.3	4.1	4.0	3.9	4.5	5.3
60°	3.5	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.4	3.7	4.1
57.5°	3.9	4.2	4.3	4.3	4.3	4.2	3.9	3.6	3.4	3.7	4.0
55°	4.2	4.3	4.6	5.1	4.6	4.3	4.2	4.1	4.0	4.2	4.5
52.5°	5.7	5.9	6.0	6.0	6.0	5.9	5.7	5.5	5.3	5.2	5.1
50°	7.4	7.6	7.7	7.7	7.7	7.6	7.4	7.2	6.9	6.6	6.2
47.5°	12.3	12.5	13.0	13.7	13.0	12.5	12.3	11.7	10.8	9.6	8.0
45°	19.5	20.0	20.8	22.2	20.8	20.0	19.5	18.6	18.7	17.4	14.2
42.5°	30.8	31.7	32.6	34.1	32.6	31.7	30.8	29.2	28.8	30.1	30.9
40°	42.5	43.0	43.6	45.2	43.6	43.0	42.5	41.5	41.1	36.4	37.3
37.5°	71.8	68.8	65.6	72.5	65.6	68.8	71.8	69.7	65.1	62.0	60.7
35°	98.0	99.8	102.7	107.5	102.7	99.8	98.0	98.4	95.5	86.9	89.9
32.5°	148.6	156.7	160.3	165.5	160.3	156.7	148.6	146.9	137.3	138.7	148.1
30°	295.7	295.1	271.3	275.6	271.3	295.1	295.7	278.1	240.6	240.6	251.8
27.5°	489.4	495.3	492.7	505.2	492.7	495.3	489.4	479.6	448.7	409.5	368.9
25°	761.9	787.4	782.5	807.2	782.5	787.4	761.9	714.9	661.4	614.2	567.2
22.5°	1517.3	1634.8	1632.9	1789.4	1632.9	1634.8	1517.3	1210.8	961.3	865.6	802.3
20°	4052.7	4854.5	4524.1	4584.9	4524.1	4854.5	4052.7	2690.6	1910.8	1264.8	1067.9
17.5°	9345.7	12062.3	13242.1	14716.4	13242.1	12062.3	9345.7	6450.1	4531.3	2573.3	1623.7
15°	21334.5	28572.4	32192.9	28497.5	32192.9	28572.4	21334.5	13822.4	10005.4	6334.0	3107.8
12.5°	44668.1	57376.4	66160.9	59419.4	66160.9	57376.4	44668.1	31337.0	18516.1	11934.2	6777.0
10°	77168.0	100576.5	119922.4	113546.5	119922.4	100576.5	77168.0	52325.4	33661.4	18393.2	10724.6
7.5°	118633.0	156448.6	180050.9	179876.1	180050.9	156448.6	118633.0	82146.7	50815.2	29618.8	16143.3
5°	170676.7	219059.1	249112.2	252736.1	249112.2	219059.1	170676.7	115905.3	70405.3	41079.3	21011.0
2.5°	209211.5	261667.5	302703.2	317504.1	302703.2	261667.5	209211.5	146467.3	85506.3	47882.5	22468.9
0°	224944.7	279023.6	322888.5	347346.5	322888.5	279023.6	224944.7	159078.9	94243.0	52691.8	24570.6
-2.5°	212582.4	262529.9	298709.1	313862.2	298709.1	262529.9	212582.4	145679.5	87687.9	50079.5	22634.0
-5°	185613.0	232652.2	260561.2	270472.4	260561.2	232652.2	185613.0	127416.9	77164.4	44245.8	20700.5
-7.5°	145252.6	184628.8	208721.3	217423.0	208721.3	184628.8	145252.6	99351.5	62935.8	35794.6	17232.5
-10°	100587.9	129856.9	150773.9	157262.2	150773.9	129856.9	100587.9	72133.8	47450.2	27094.9	12525.0
-12.5°	64814.2	82179.8	93768.2	97989.1	93768.2	82179.8	64814.2	48026.5	30019.7	19036.6	9357.8
-15°	39430.0	49099.2	54711.5	56602.6	54711.5	49099.2	39430.0	28812.6	19929.8	11949.6	5123.7
-17.5°	21725.7	26392.3	28107.9	29315.0	28107.9	26392.3	21725.7	15857.4	10647.6	5521.9	3156.0
-20°	9733.1	11759.0	12753.2	13263.2	12753.2	11759.0	9733.1	6203.0	4359.0	2681.0	2219.5



REPORT NUMBER: P731427 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3752.9	4344.5	4610.9	4829.8	4610.9	4344.5	3752.9	2860.2	2250.0	2032.3	1889.1
-25°	2117.2	2199.3	2236.7	2261.3	2236.7	2199.3	2117.2	2000.9	1867.1	1770.5	1689.0
-27.5°	1761.9	1809.3	1841.8	1836.3	1841.8	1809.3	1761.9	1719.0	1659.0	1628.5	1589.3
-30°	1592.1	1606.7	1619.0	1609.4	1619.0	1606.7	1592.1	1591.0	1575.8	1597.3	1615.8
-32.5°	1587.4	1572.5	1563.9	1561.6	1563.9	1572.5	1587.4	1615.1	1654.2	1671.8	1663.5
-35°	1664.6	1657.8	1653.5	1656.3	1653.5	1657.8	1664.6	1675.3	1684.7	1685.2	1675.2
-37.5°	1739.4	1729.4	1714.2	1702.4	1714.2	1729.4	1739.4	1737.9	1725.1	1690.6	1668.9
-40°	1924.7	1960.6	2006.0	2030.9	2006.0	1960.6	1924.7	1916.8	1875.7	1803.1	1679.0
-42.5°	2076.6	2102.7	2114.5	2113.7	2114.5	2102.7	2076.6	2036.1	1899.5	1762.5	1586.2
-45°	1872.3	1977.0	2033.6	2044.6	2033.6	1977.0	1872.3	1729.1	1540.3	1343.7	1148.5
-47.5°	1277.8	1447.8	1547.6	1560.7	1547.6	1447.8	1277.8	1093.4	922.3	762.8	601.8
-50°	586.8	609.6	617.9	611.8	617.9	609.6	586.8	564.7	548.5	536.3	516.9
-52.5°	545.2	554.0	558.6	559.8	558.6	554.0	545.2	536.6	527.6	514.5	499.5
-55°	542.1	546.9	550.2	553.0	550.2	546.9	542.1	537.6	532.8	521.1	509.5
-57.5°	556.4	566.6	571.5	573.4	571.5	566.6	556.4	545.3	533.5	514.5	494.1
-60°	525.6	535.6	539.3	540.2	539.3	535.6	525.6	514.6	502.4	483.0	460.3
-62.5°	489.9	503.1	508.1	509.4	508.1	503.1	489.9	475.5	460.2	439.0	415.0
-65°	417.0	428.2	429.0	425.8	429.0	428.2	417.0	403.9	388.8	368.7	344.8
-67.5°	316.3	326.8	327.4	324.3	327.4	326.8	316.3	304.1	290.7	274.8	256.7
-70°	204.7	209.6	210.6	209.9	210.6	209.6	204.7	198.4	190.6	180.8	169.0
-72.5°	119.8	124.4	123.5	121.2	123.5	124.4	119.8	114.5	108.4	101.7	94.4
-75°	60.8	63.3	64.3	64.9	64.3	63.3	60.8	58.0	54.8	51.3	47.8
-77.5°	37.0	39.7	40.5	41.0	40.5	39.7	37.0	34.2	31.5	28.9	27.4
-80°	23.6	24.6	24.7	24.7	24.7	24.6	23.6	22.6	21.5	20.3	19.6
-82.5°	17.6	18.7	19.2	19.6	19.2	18.7	17.6	16.4	15.2	14.0	13.4
-85°	12.6	13.7	14.1	14.5	14.1	13.7	12.6	11.5	10.3	9.2	8.9
-87.5°	10.1	11.1	11.5	11.9	11.5	11.1	10.1	9.0	7.9	6.8	6.6
-90°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.9	1.1



REPORT NUMBER: P731427 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	6.8	6.4	6.0	5.8	5.6	5.3	5.1	5.1	5.1	5.1	5.1
87.5°	1.3	1.5	1.7	1.9	2.2	2.4	2.6	2.6	2.6	2.6	2.6
85°	1.3	1.5	1.7	1.9	2.2	2.4	2.6	2.6	2.6	2.6	2.6
82.5°	1.3	1.5	1.7	1.9	2.2	2.4	2.6	2.7	2.7	2.7	2.7
80°	1.6	1.6	1.7	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.3
77.5°	2.0	2.1	2.2	2.3	2.5	2.6	2.7	2.9	3.1	3.3	3.4
75°	2.2	2.4	2.7	3.0	3.2	3.3	3.3	3.3	3.3	3.3	3.5
72.5°	3.5	3.5	3.8	4.2	4.3	4.6	4.7	4.5	4.1	3.7	3.5
70°	5.4	5.8	6.5	7.7	8.5	8.9	8.7	7.9	6.4	5.5	4.8
67.5°	7.0	7.7	8.9	10.5	11.6	12.6	13.8	14.3	13.7	12.1	8.3
65°	7.4	8.2	9.2	10.3	11.8	13.7	17.4	19.3	19.9	19.0	14.5
62.5°	6.3	7.4	8.1	8.9	10.0	12.4	17.4	21.3	24.3	24.2	18.9
60°	4.6	5.1	5.7	6.5	7.5	10.2	14.9	20.4	26.7	24.9	20.9
57.5°	4.2	4.5	4.8	5.0	5.1	7.4	11.4	16.5	22.4	22.2	20.3
55°	4.9	5.2	5.3	5.2	5.1	6.1	7.9	11.4	16.0	16.9	16.2
52.5°	5.1	5.5	6.0	6.5	6.4	6.1	6.3	8.4	10.3	12.0	12.4
50°	5.9	6.2	6.4	6.7	7.1	7.0	6.7	6.8	8.1	9.3	9.7
47.5°	7.8	8.2	7.7	7.6	8.4	8.2	7.8	7.7	8.6	8.5	8.9
45°	13.6	12.9	11.7	11.9	11.7	11.5	10.3	10.8	11.1	10.8	9.3
42.5°	27.5	22.6	19.1	20.1	18.8	17.7	15.8	15.4	15.1	14.4	13.6
40°	43.1	41.7	37.8	34.8	32.2	27.3	23.8	21.2	20.2	19.0	18.9
37.5°	61.6	63.7	65.4	64.0	56.0	45.6	36.1	29.1	26.0	27.0	25.7
35°	86.5	90.0	99.4	96.3	91.2	81.6	59.5	42.7	37.3	40.1	35.3
32.5°	123.3	144.3	153.7	146.0	142.2	133.8	105.4	69.5	66.9	62.3	52.1
30°	248.6	236.6	238.1	243.6	241.1	206.9	167.0	173.1	138.7	93.8	74.9
27.5°	386.3	353.6	348.4	417.0	389.6	329.0	319.9	350.3	253.7	168.3	110.5
25°	571.0	551.9	531.2	603.8	620.0	514.2	506.6	534.0	464.0	272.6	155.6
22.5°	767.5	750.0	741.1	773.4	795.9	709.0	678.2	713.4	694.5	400.4	238.9
20°	971.9	915.9	898.4	896.6	877.3	835.1	815.1	840.2	756.8	542.5	325.2
17.5°	1230.6	1100.4	1036.2	1000.2	967.0	916.2	947.1	935.7	837.4	653.2	407.3
15°	1670.7	1366.4	1235.1	1135.3	1089.8	1119.7	1138.8	1074.0	932.6	730.0	518.2
12.5°	3135.0	1704.9	1471.0	1319.5	1281.1	1322.4	1347.5	1247.4	1060.6	897.6	701.6
10°	4993.9	2461.0	1756.2	1558.4	1477.0	1502.7	1514.0	1399.7	1236.1	1092.3	899.1
7.5°	8163.8	3594.0	2035.4	1766.0	1632.6	1610.7	1615.8	1509.5	1386.4	1269.2	1103.7
5°	10639.8	4320.5	2234.9	1916.2	1754.5	1719.2	1727.1	1593.2	1516.6	1431.6	1306.9
2.5°	11195.7	4481.6	2391.2	2048.9	1864.5	1828.2	1846.5	1688.0	1627.0	1546.1	1439.3
0°	12347.6	5009.9	2507.9	2133.3	1949.0	1929.4	1966.9	1802.2	1728.8	1647.8	1551.3
-2.5°	10720.3	4313.5	2461.7	2102.9	1932.6	1913.1	1976.7	1874.7	1765.1	1657.1	1513.1
-5°	9095.0	3935.3	2395.7	2054.2	1904.9	1910.4	1993.3	1936.4	1802.6	1668.1	1447.2
-7.5°	7420.2	3421.0	2291.1	1989.4	1879.0	1926.2	2024.3	1987.9	1856.5	1734.7	1470.6
-10°	4909.6	2790.0	2159.1	1940.9	1892.4	1969.6	2075.0	2030.6	1912.7	1798.9	1459.8
-12.5°	3859.0	2367.6	2025.8	1905.9	1973.0	2088.8	2137.6	2051.7	1974.2	1862.9	1410.9
-15°	2699.0	2187.2	1975.7	1967.9	2101.3	2185.0	2166.6	2022.2	1945.9	1874.5	1321.8
-17.5°	2267.0	2027.6	1902.3	1964.3	2117.4	2214.2	2127.1	1973.9	1852.7	1681.3	1096.6
-20°	1989.0	1870.5	1863.6	1928.7	2020.6	2040.4	2011.9	1878.4	1718.6	1372.8	880.2



REPORT NUMBER: P731427 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1799.6	1773.8	1806.6	1879.6	1811.6	1816.8	1798.5	1709.5	1546.1	1050.9	679.3
-25°	1682.5	1703.3	1782.6	1764.6	1650.9	1608.9	1616.6	1522.2	1220.4	786.3	517.0
-27.5°	1633.2	1700.2	1753.6	1703.5	1588.0	1495.6	1443.0	1314.2	906.5	617.1	471.1
-30°	1637.3	1702.6	1711.1	1635.6	1530.5	1433.5	1297.8	990.7	695.0	485.3	435.4
-32.5°	1672.6	1673.1	1636.1	1544.6	1458.7	1358.7	1066.6	726.3	514.1	450.1	414.2
-35°	1664.6	1597.6	1510.3	1451.1	1403.3	1143.7	829.0	557.7	453.6	421.3	396.8
-37.5°	1602.2	1477.4	1413.4	1343.9	1150.4	887.3	594.7	471.5	427.9	403.2	384.0
-40°	1558.3	1428.6	1234.8	1075.2	838.5	575.5	487.7	443.8	413.8	388.3	373.1
-42.5°	1356.4	1153.1	940.2	712.7	530.7	492.1	455.6	425.7	401.6	381.5	348.6
-45°	940.6	733.4	553.1	517.3	481.6	455.9	432.5	413.7	396.2	361.0	320.3
-47.5°	555.5	525.6	494.0	470.2	449.7	431.9	423.3	408.8	371.8	333.7	293.1
-50°	497.3	483.0	464.5	445.2	437.8	430.1	408.6	377.7	342.4	305.3	266.0
-52.5°	483.5	473.9	463.2	450.7	429.0	405.3	377.6	346.7	313.1	276.5	239.0
-55°	497.9	477.1	453.1	428.2	401.5	374.2	345.5	314.6	281.7	246.5	212.6
-57.5°	472.8	449.2	422.6	395.3	367.5	338.0	307.9	278.0	248.9	216.9	186.1
-60°	435.6	409.5	383.3	354.8	323.9	294.1	268.4	241.9	214.6	189.1	163.2
-62.5°	391.1	367.5	337.7	306.9	279.0	254.5	230.0	206.3	184.8	162.7	132.6
-65°	320.3	295.4	271.5	249.4	228.5	208.8	188.3	166.2	143.3	120.8	95.5
-67.5°	238.5	220.6	203.9	187.3	169.3	151.1	131.5	112.2	96.0	80.4	62.0
-70°	156.0	141.9	127.8	114.1	102.6	92.1	80.2	67.4	54.3	45.6	38.0
-72.5°	86.4	77.7	69.3	61.5	53.1	48.0	43.4	38.3	32.9	27.3	22.8
-75°	44.1	40.2	36.6	33.7	30.5	26.8	24.7	23.3	21.9	20.5	18.9
-77.5°	26.0	24.5	23.2	22.3	21.4	20.4	19.3	18.2	17.2	16.1	14.9
-80°	18.7	17.9	17.0	16.4	15.7	15.1	14.4	13.5	12.7	11.9	11.3
-82.5°	12.8	12.2	11.6	11.3	11.1	10.8	10.4	10.0	9.6	9.3	8.9
-85°	8.6	8.3	8.0	7.9	7.8	7.7	7.6	7.5	7.3	7.2	7.0
-87.5°	6.4	6.2	6.0	6.0	5.9	5.9	5.8	5.8	5.8	5.8	5.7
-90°	1.3	1.5	1.7	1.9	2.2	2.4	2.6	2.6	2.6	2.6	2.6



REPORT NUMBER: P731427 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	4.9	4.7	4.5
87.5°	2.8	3.0	3.2	3.4	3.4	3.4	3.4	3.4	3.6	3.9	4.1
85°	2.8	3.0	3.2	3.4	3.4	3.4	3.4	3.4	3.6	3.9	4.1
82.5°	2.8	3.0	3.2	3.4	3.5	3.6	3.7	3.7	3.7	3.9	4.1
80°	3.2	3.2	3.3	3.4	3.7	3.9	4.0	4.0	4.0	4.0	4.1
77.5°	3.5	3.5	3.4	3.5	3.7	3.9	4.1	4.3	4.2	4.2	4.2
75°	3.7	3.8	3.9	3.8	3.8	3.9	4.1	4.3	4.3	4.3	4.3
72.5°	3.7	4.0	4.2	4.3	4.1	4.1	4.2	4.3	4.3	4.3	4.3
70°	4.3	4.1	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
67.5°	5.2	4.6	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.3	4.3
65°	10.1	6.7	4.3	4.3	4.3	4.3	4.3	4.5	4.6	4.5	4.3
62.5°	14.2	10.1	6.9	4.9	4.3	4.3	4.3	4.5	4.7	4.7	4.4
60°	17.2	12.5	9.4	7.0	5.1	4.3	4.4	4.5	4.7	4.9	4.7
57.5°	16.6	13.9	11.5	8.9	6.7	4.9	4.4	4.6	4.8	4.9	4.9
55°	14.6	12.5	12.7	10.7	8.1	6.0	4.8	4.6	4.8	5.0	5.1
52.5°	11.4	11.8	12.7	11.9	9.5	7.1	5.6	4.7	4.8	5.0	5.1
50°	9.2	10.9	12.7	12.9	10.9	8.3	6.4	5.2	4.9	5.1	5.1
47.5°	9.4	10.9	12.2	13.8	12.4	9.4	7.2	5.8	4.9	5.1	5.1
45°	10.9	12.0	12.6	13.6	13.8	10.5	8.0	6.2	5.3	5.1	5.1
42.5°	12.9	13.9	14.2	13.6	13.8	11.5	8.7	6.8	5.6	5.2	5.1
40°	17.7	16.3	16.4	16.1	14.0	12.2	9.3	7.2	5.8	5.3	5.2
37.5°	23.2	20.5	18.9	20.5	15.7	12.8	9.8	7.6	6.2	5.6	5.3
35°	30.5	26.2	24.9	26.3	21.3	14.0	10.0	7.9	6.8	5.8	5.4
32.5°	38.7	38.0	37.7	32.9	28.4	15.5	10.8	8.8	7.5	6.1	5.5
30°	58.3	58.9	55.7	40.6	36.3	22.0	12.7	10.0	8.4	6.3	5.7
27.5°	91.4	83.4	77.9	56.4	43.6	30.0	15.3	11.3	9.3	6.7	5.9
25°	126.9	113.2	101.8	77.8	51.7	40.3	17.9	12.7	10.3	7.4	6.0
22.5°	168.6	143.8	128.2	102.2	64.6	51.9	23.4	14.9	11.4	8.1	6.2
20°	210.2	174.1	157.0	125.4	83.6	62.7	32.3	17.1	12.6	8.8	6.4
17.5°	256.9	212.5	188.2	148.7	104.3	74.6	41.7	19.1	13.9	9.6	6.5
15°	349.3	260.7	222.3	174.5	123.4	87.5	51.4	21.1	15.2	10.3	6.7
12.5°	461.0	308.8	258.8	202.0	141.0	100.9	61.0	23.0	16.5	11.1	7.0
10°	584.0	356.3	296.9	230.3	157.0	114.6	70.5	25.6	18.0	11.9	7.3
7.5°	712.4	402.9	335.6	258.8	174.8	135.6	93.5	30.5	19.6	12.7	7.6
5°	837.4	447.4	377.8	301.0	209.0	163.7	119.3	35.5	21.1	13.4	7.9
2.5°	942.8	488.3	419.8	343.1	242.5	190.8	144.9	40.4	22.6	14.0	8.2
0°	1033.4	526.5	459.1	382.3	274.8	216.7	169.0	45.2	23.9	14.5	8.5
-2.5°	962.8	528.9	463.6	397.2	299.0	237.7	182.4	57.3	31.0	18.3	10.2
-5°	880.2	529.1	466.7	409.8	321.3	257.0	192.9	68.6	37.8	21.9	11.9
-7.5°	875.8	531.2	470.5	420.1	341.8	274.3	200.4	79.0	44.1	25.3	13.4
-10°	864.9	533.5	475.1	422.2	345.9	280.8	203.7	88.0	49.7	28.2	14.7
-12.5°	820.6	533.3	478.9	421.6	344.8	277.7	197.3	95.1	54.7	30.7	15.8
-15°	738.5	530.6	482.1	418.0	340.7	273.2	190.0	100.7	59.8	33.4	16.7
-17.5°	608.6	525.3	484.9	411.5	333.4	267.3	182.1	104.9	64.1	36.5	17.9
-20°	550.1	507.7	485.3	401.9	322.7	260.2	174.2	107.7	67.5	38.9	19.4



REPORT NUMBER: P731427 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	512.2	481.2	453.2	388.9	310.6	251.9	166.6	109.0	69.8	40.4	20.3
-25°	471.3	453.5	420.3	361.9	299.4	239.2	163.1	108.6	71.0	41.0	20.6
-27.5°	437.4	423.4	391.9	335.8	282.8	228.2	161.9	109.5	71.3	40.6	20.3
-30°	405.6	394.3	363.7	312.1	265.2	211.5	158.6	109.1	70.8	40.0	19.3
-32.5°	387.1	371.9	336.7	291.9	245.8	194.1	149.0	107.1	69.0	38.9	18.9
-35°	377.3	350.5	312.1	270.9	225.6	179.4	137.2	103.6	65.8	36.9	18.3
-37.5°	366.2	328.2	288.7	249.1	205.2	163.9	126.7	94.5	61.2	33.8	17.3
-40°	340.9	304.1	265.6	226.8	186.8	147.8	115.2	84.6	56.4	29.7	15.8
-42.5°	314.4	278.0	241.6	204.5	168.7	134.0	102.8	74.0	49.0	26.6	13.8
-45°	285.1	251.1	217.0	183.9	150.3	119.3	90.3	63.1	40.8	23.8	12.3
-47.5°	255.2	224.2	193.4	162.8	133.1	103.9	77.1	53.4	32.3	20.4	11.9
-50°	226.5	198.2	170.6	143.3	115.4	88.6	63.8	43.3	27.4	16.0	11.3
-52.5°	202.9	173.8	149.3	124.3	97.9	72.4	52.0	33.2	22.2	14.0	10.7
-55°	179.6	151.6	129.3	104.3	79.4	58.3	39.7	27.1	16.7	12.9	9.9
-57.5°	158.6	131.4	106.7	82.9	62.4	44.2	30.6	20.7	14.5	11.8	9.5
-60°	136.0	106.6	82.1	63.3	46.1	32.6	23.2	15.8	13.2	10.7	8.9
-62.5°	104.6	79.8	60.8	44.6	33.1	24.2	16.7	14.3	11.9	10.0	8.3
-65°	74.5	55.8	40.1	31.6	23.4	17.2	15.0	12.8	10.9	9.3	7.8
-67.5°	45.3	36.5	28.1	20.6	17.4	15.4	13.3	11.6	10.1	8.6	7.4
-70°	30.3	22.8	19.1	17.2	15.3	13.5	12.1	10.7	9.3	8.0	6.9
-72.5°	20.6	18.5	16.7	15.0	13.4	12.0	10.9	9.8	8.5	7.4	6.4
-75°	17.2	15.6	14.1	12.7	11.5	10.5	9.7	8.8	7.8	6.8	6.1
-77.5°	13.6	12.4	11.4	10.5	9.8	9.1	8.5	7.9	7.0	6.4	5.8
-80°	10.6	10.0	9.3	8.7	8.1	7.7	7.4	7.1	6.5	6.0	5.5
-82.5°	8.4	7.9	7.4	7.0	6.8	6.6	6.5	6.4	6.0	5.6	5.2
-85°	6.6	6.3	5.9	5.5	5.5	5.6	5.7	5.9	5.6	5.3	5.0
-87.5°	5.6	5.4	5.2	5.1	5.2	5.3	5.4	5.5	5.2	5.0	4.7
-90°	2.8	3.0	3.2	3.4	3.4	3.4	3.4	3.4	3.6	3.9	4.1



REPORT NUMBER: P731427 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
82.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
80°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
77.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
75°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
72.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
70°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
67.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
65°	4.4	4.3	4.3	4.3	4.3	4.3	4.3
62.5°	4.4	4.4	4.3	4.3	4.3	4.3	4.3
60°	4.5	4.5	4.3	4.3	4.3	4.3	4.3
57.5°	4.6	4.5	4.4	4.3	4.3	4.3	4.3
55°	4.8	4.6	4.5	4.3	4.3	4.3	4.3
52.5°	4.9	4.7	4.5	4.3	4.3	4.3	4.3
50°	5.0	4.8	4.6	4.3	4.3	4.3	4.3
47.5°	5.1	4.9	4.7	4.3	4.3	4.3	4.3
45°	5.1	5.0	4.8	4.4	4.3	4.3	4.3
42.5°	5.1	5.0	4.9	4.5	4.3	4.3	4.3
40°	5.1	5.1	5.0	4.5	4.3	4.3	4.3
37.5°	5.1	5.1	5.0	4.6	4.3	4.3	4.3
35°	5.1	5.1	5.1	4.7	4.3	4.3	4.3
32.5°	5.1	5.1	5.1	4.7	4.3	4.3	4.3
30°	5.2	5.1	5.1	4.8	4.3	4.3	4.3
27.5°	5.3	5.1	5.1	4.8	4.3	4.3	4.3
25°	5.4	5.1	5.1	4.9	4.3	4.3	4.3
22.5°	5.5	5.1	5.1	4.9	4.3	4.3	4.3
20°	5.7	5.2	5.1	5.0	4.3	4.3	4.3
17.5°	5.8	5.3	5.1	5.0	4.3	4.3	4.3
15°	6.0	5.4	5.1	5.0	4.3	4.3	4.3
12.5°	6.1	5.5	5.1	5.0	4.3	4.3	4.3
10°	6.3	5.6	5.1	5.1	4.3	4.3	4.3
7.5°	6.4	5.7	5.1	5.1	4.3	4.3	4.3
5°	6.6	5.8	5.1	5.1	4.3	4.3	4.3
2.5°	6.7	5.9	5.1	5.1	4.3	4.3	4.3
0°	6.8	6.0	5.1	5.1	4.3	4.3	4.3
-2.5°	7.2	6.1	5.2	5.1	4.3	4.3	4.3
-5°	7.7	6.2	5.3	5.1	4.4	4.3	4.3
-7.5°	8.1	6.2	5.3	5.1	4.4	4.3	4.3
-10°	8.4	6.3	5.4	5.1	4.4	4.3	4.3
-12.5°	8.7	6.3	5.5	5.1	4.5	4.3	4.3
-15°	8.9	6.4	5.5	5.0	4.5	4.3	4.3
-17.5°	9.0	6.4	5.5	5.0	4.5	4.3	4.3
-20°	9.3	6.4	5.6	5.0	4.5	4.3	4.3



REPORT NUMBER: P731427 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	9.9	6.5	5.6	5.0	4.6	4.3	4.3
-25°	10.2	6.6	5.6	5.0	4.6	4.3	4.3
-27.5°	10.3	6.8	5.6	5.0	4.6	4.3	4.3
-30°	10.1	7.0	5.5	5.0	4.6	4.3	4.3
-32.5°	9.6	7.0	5.6	5.0	4.6	4.3	4.3
-35°	9.5	7.1	5.6	5.0	4.6	4.3	4.3
-37.5°	9.5	7.1	5.6	5.1	4.6	4.3	4.3
-40°	9.4	7.1	5.5	5.1	4.6	4.3	4.3
-42.5°	9.3	7.0	5.5	5.1	4.6	4.3	4.3
-45°	9.0	6.9	5.6	5.1	4.5	4.3	4.3
-47.5°	8.7	6.8	5.6	5.2	4.5	4.3	4.3
-50°	8.4	6.6	5.6	5.1	4.5	4.3	4.3
-52.5°	8.2	6.4	5.6	5.0	4.4	4.3	4.3
-55°	7.9	6.3	5.5	5.0	4.4	4.3	4.3
-57.5°	7.5	6.2	5.5	4.9	4.3	4.3	4.3
-60°	7.2	6.1	5.4	4.8	4.3	4.3	4.3
-62.5°	6.9	6.0	5.3	4.7	4.3	4.3	4.3
-65°	6.6	5.8	5.2	4.7	4.3	4.3	4.3
-67.5°	6.3	5.6	5.1	4.6	4.3	4.3	4.3
-70°	6.0	5.4	5.0	4.5	4.3	4.3	4.3
-72.5°	5.7	5.3	4.8	4.5	4.3	4.3	4.3
-75°	5.5	5.1	4.7	4.4	4.3	4.3	4.3
-77.5°	5.3	4.9	4.6	4.4	4.3	4.3	4.3
-80°	5.1	4.8	4.6	4.4	4.3	4.3	4.3
-82.5°	4.9	4.7	4.5	4.4	4.3	4.3	4.3
-85°	4.7	4.6	4.4	4.4	4.3	4.3	4.3
-87.5°	4.5	4.4	4.4	4.3	4.3	4.3	4.3
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3

(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

