

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: P731308 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-40-70-1S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731308 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-40-70-1S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 1S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

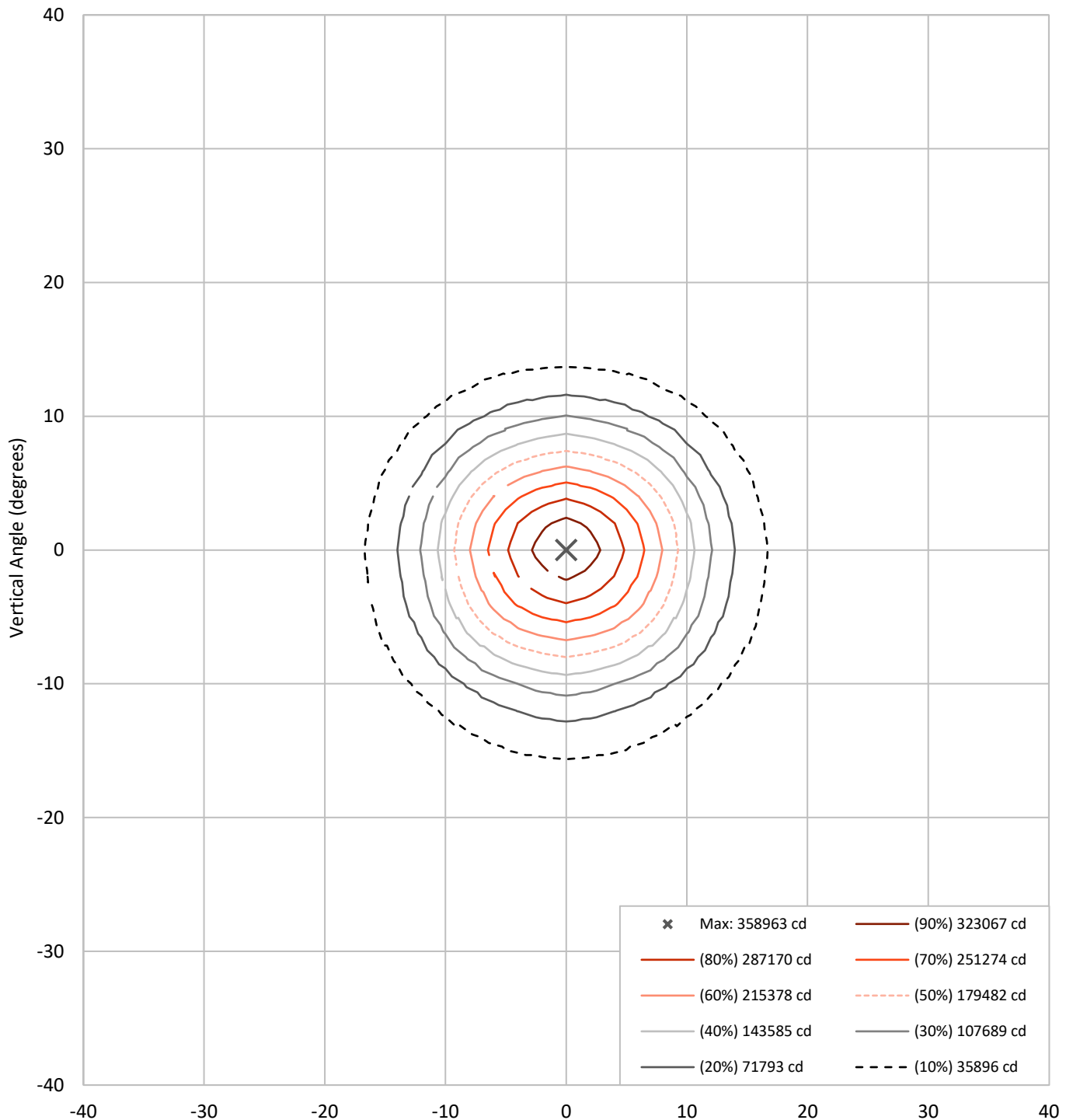
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	36904.8 lumens	Max Intensity:	358963 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	107.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.6°H x 15.4°V	Field Angle (10%):	33.2°H x 29.1°V
Beam Lumens:	17020 lumens	Field Lumens:	31400.2 lumens
Beam Efficiency:	46.1%	Field Efficiency:	85.1%

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

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Iso-Candela Plot





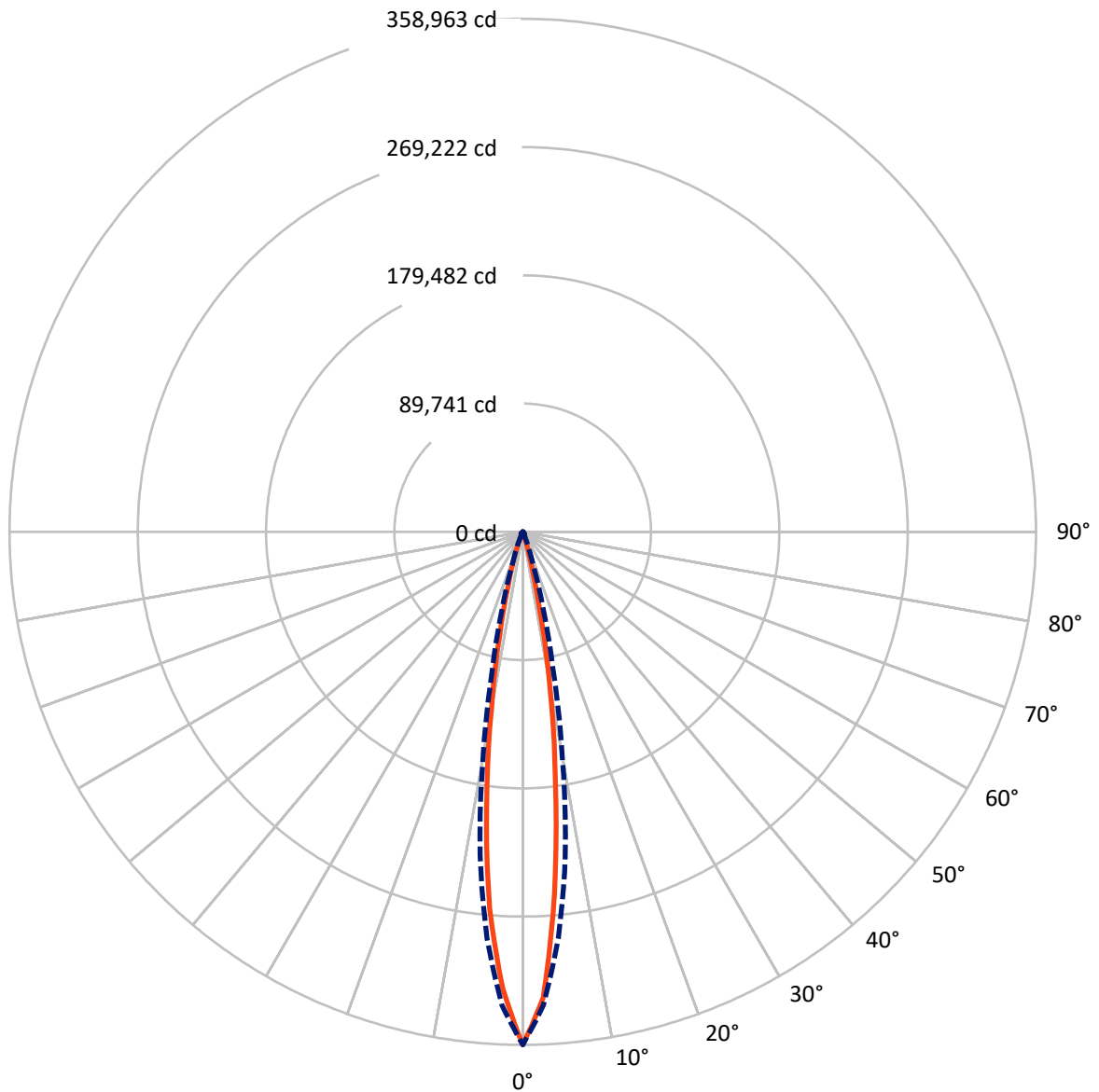
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Lumen Table

90	0.1		0.3		0.4		0.4		0.6		0.4		0.4		0.3		0.1	
80	0.1		0.3		0.4		0.4		0.6		0.4		0.4		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	0.2	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	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.1	0.2	
40		0.2	0.4	0.6	1.0	1.4	1.4	1.6	1.6	1.4	1.4	1.0	0.6	0.4	0.2			
30	0.2	0.3	0.9	2.2	4.1	4.7	6.7	13.4	13.4	6.7	4.7	4.1	2.2	0.9	0.3	0.2		
20		0.7	3.0	10.1	18.8	25.0	185.0	770.6	770.6	185.0	25.0	18.8	10.1	3.0	0.7			
10	0.3	1.2	5.9	25.3	41.0	93.3	1357.5	5882.3	5882.3	1357.5	93.3	41.0	25.3	5.9	1.2	0.3		
0		1.5	6.9	29.2	48.1	95.6	1456.9	6148.4	6148.4	1456.9	95.6	48.1	29.2	6.9	1.5			
-10	0.3	1.6	6.1	22.0	39.7	43.7	310.7	1206.8	1206.8	310.7	43.7	39.7	22.0	6.1	1.6	0.3		
-20		1.5	5.2	12.4	32.0	37.0	40.8	79.4	79.4	40.8	37.0	32.0	12.4	5.2	1.5			
-30	0.3	1.4	4.4	7.9	19.6	37.0	43.2	43.6	43.6	43.2	37.0	19.6	7.9	4.4	1.4	0.3		
-40		0.9	3.3	6.8	10.6	18.7	31.5	41.3	41.3	31.5	18.7	10.6	6.8	3.3	0.9			
-50	0.2	0.4	1.9	4.4	7.9	10.9	12.9	14.4	14.4	12.9	10.9	7.9	4.4	1.9	0.4	0.2		
-60		0.2	0.6	1.8	3.5	5.5	7.2	8.6	8.6	7.2	5.5	3.5	1.8	0.6	0.2			
-70	0.1	0.6	1.6	3.9	6.5	3.9	1.6	0.6	0.1									
-80		0.1	0.6	1.6	3.9	6.5	3.9	1.6	0.6	0.1								
-90	0.1		0.6		1.6		3.9		6.5		3.9		1.6		0.6		0.1	

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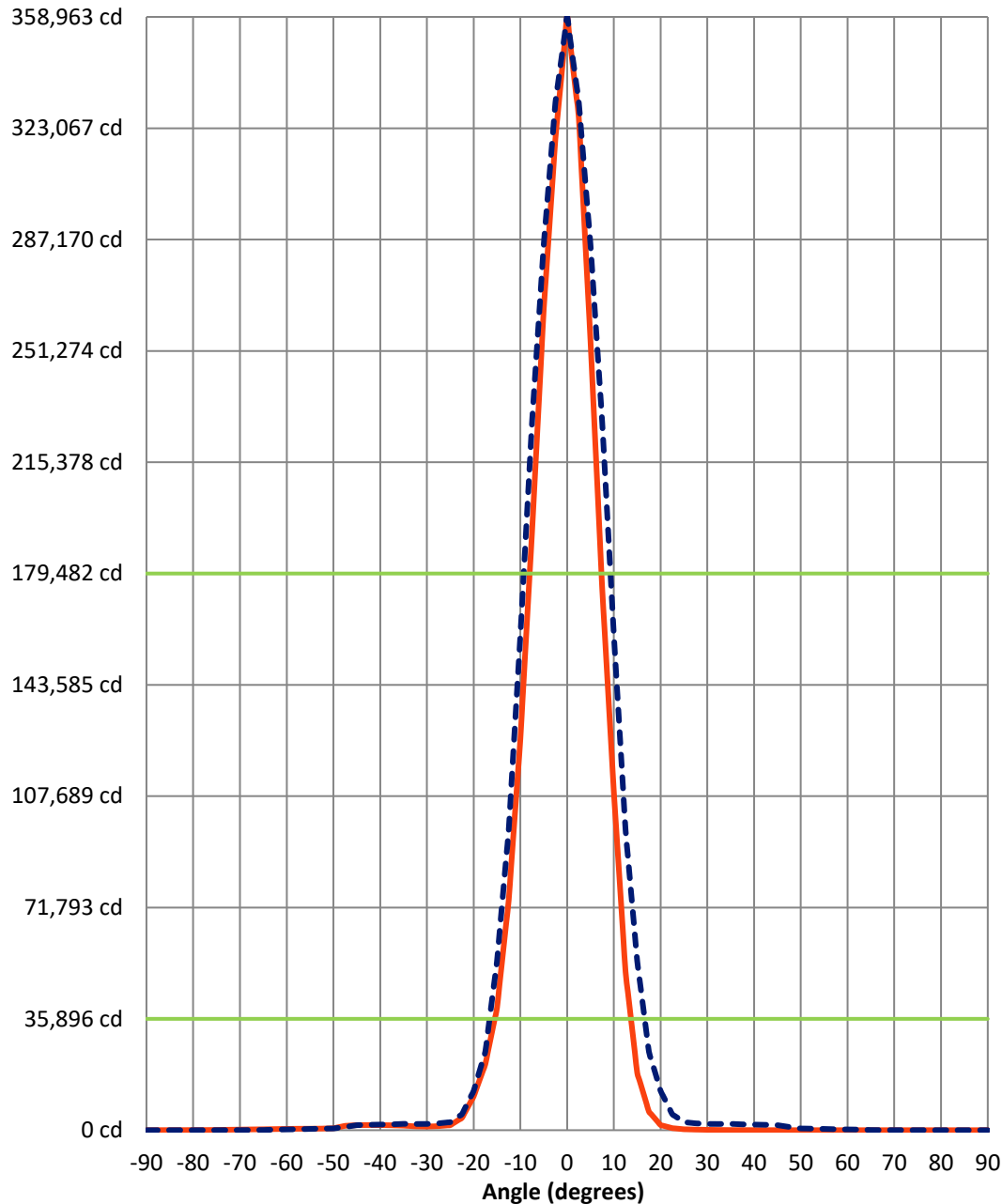
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 18.6°
 V Angle: 15.4°
 Lumens: 17020
 Efficiency: 46.1%

Field:
 H Angle: 33.2°
 V Angle: 29.1°
 Lumens: 31400.2
 Efficiency: 85.1%

Spill:
 Lumens: 5504.6
 Efficiency: 14.9%

— 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°	4.6	4.6	4.6	4.8	5.1	5.3	5.5	5.5	5.5	5.5	5.5
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
85°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
80°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
77.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
75°	4.6	4.6	4.6	4.6	4.6	4.7	4.6	4.6	4.6	4.7	4.6
72.5°	4.6	4.6	4.6	4.6	4.8	4.9	4.7	4.7	4.8	4.8	4.7
70°	4.6	4.6	4.6	4.6	5.0	5.0	4.8	4.9	5.0	4.9	5.0
67.5°	4.6	4.6	4.6	4.8	5.1	5.2	5.0	5.1	5.2	5.3	5.4
65°	4.6	4.6	4.6	5.0	5.3	5.3	5.3	5.3	5.5	5.6	5.7
62.5°	4.6	4.6	4.6	5.2	5.5	5.6	5.6	5.6	5.8	6.0	5.8
60°	4.6	4.6	4.6	5.4	5.7	5.8	5.8	5.9	6.1	6.2	6.0
57.5°	4.6	4.6	4.7	5.5	5.9	6.0	6.1	6.2	6.4	6.4	6.4
55°	4.6	4.6	4.8	5.7	6.1	6.2	6.4	6.5	6.7	6.7	6.8
52.5°	4.6	4.6	4.9	5.9	6.3	6.4	6.8	6.9	6.9	7.1	7.2
50°	4.6	4.6	5.1	6.1	6.4	6.7	7.1	7.3	7.3	7.5	8.3
47.5°	4.6	4.6	5.1	6.3	6.6	7.0	7.5	7.8	7.6	7.8	9.5
45°	4.6	4.6	5.2	6.4	6.8	7.4	7.9	8.3	8.2	8.8	10.5
42.5°	4.6	4.6	5.3	6.6	6.9	7.7	8.4	8.8	8.8	9.7	11.6
40°	4.6	4.6	5.4	6.6	7.1	8.0	8.9	9.4	9.6	10.5	12.6
37.5°	4.6	4.6	5.4	6.7	7.4	8.3	9.4	10.1	10.6	11.7	13.4
35°	4.6	4.6	5.5	6.7	7.6	8.7	10.0	10.7	11.7	13.0	13.9
32.5°	4.6	4.6	5.5	6.7	7.9	9.1	10.5	11.4	12.7	14.5	15.4
30°	4.6	4.6	5.6	6.7	8.1	9.6	11.1	12.2	13.7	16.0	17.1
27.5°	4.6	4.6	5.6	6.7	8.2	10.0	11.7	13.0	14.7	17.6	19.1
25°	4.6	4.6	5.6	6.7	8.2	10.4	12.3	13.8	16.1	19.3	21.2
22.5°	4.6	4.6	5.7	6.7	8.2	10.7	12.9	14.6	17.4	21.0	24.5
20°	4.6	4.6	5.7	6.7	8.2	10.7	13.5	15.4	18.8	22.8	28.0
17.5°	4.6	4.6	5.7	6.7	8.1	10.6	13.6	16.1	20.2	24.7	31.6
15°	4.6	4.6	5.7	6.7	8.1	10.5	13.3	16.4	21.5	26.6	35.5
12.5°	4.6	4.6	5.6	6.6	8.0	10.4	13.0	16.2	22.2	28.5	39.3
10°	4.6	4.6	5.6	6.6	7.9	10.2	12.7	16.0	22.1	29.4	43.0
7.5°	4.6	4.6	5.6	6.6	7.7	9.9	12.3	15.7	22.0	30.2	46.5
5°	4.6	4.6	5.6	6.5	7.6	9.7	11.9	15.4	21.8	30.9	49.8
2.5°	4.6	4.6	5.5	6.5	7.5	9.4	11.5	15.0	21.4	31.5	52.9
0°	4.6	4.6	5.5	6.4	7.3	9.1	11.0	14.6	21.0	32.0	55.7
-2.5°	4.6	4.6	5.5	6.4	7.4	9.2	11.5	16.2	24.8	38.3	64.4
-5°	4.6	4.6	5.5	6.4	7.4	9.3	11.9	17.6	28.3	44.3	72.5
-7.5°	4.6	4.7	5.5	6.4	7.5	9.3	12.3	18.9	31.5	49.8	79.8
-10°	4.6	4.7	5.5	6.4	7.5	9.4	12.6	20.1	34.4	54.7	86.3
-12.5°	4.6	4.7	5.5	6.3	7.6	9.4	12.9	21.0	36.7	59.1	92.4
-15°	4.6	4.7	5.5	6.3	7.6	9.4	13.0	21.6	39.1	63.6	97.8
-17.5°	4.6	4.7	5.4	6.3	7.6	9.4	13.1	22.7	41.6	67.4	102.0
-20°	4.6	4.7	5.4	6.2	7.6	9.3	13.2	23.8	43.5	70.3	104.9



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 CATALOG NUMBER: EPH-LS-08-0320N-40-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.6	4.8	5.4	6.2	7.5	9.3	13.6	24.5	44.5	72.4	106.4
-25°	4.6	4.8	5.4	6.1	7.4	9.4	13.8	24.6	44.8	73.5	106.6
-27.5°	4.6	4.8	5.4	6.1	7.3	9.5	13.7	24.0	44.1	73.8	107.4
-30°	4.6	4.8	5.4	6.0	7.2	9.5	13.3	22.9	43.3	72.9	107.2
-32.5°	4.6	4.8	5.4	6.0	7.2	9.5	12.7	22.2	41.9	70.8	105.6
-35°	4.6	4.8	5.4	5.9	7.2	9.4	12.4	21.5	39.7	67.5	102.8
-37.5°	4.6	4.8	5.4	5.8	7.1	9.3	12.3	20.3	36.5	62.9	95.0
-40°	4.6	4.8	5.3	5.8	7.0	9.2	12.2	18.7	32.3	58.1	86.1
-42.5°	4.6	4.8	5.3	5.7	7.0	9.1	11.9	16.7	29.1	51.0	76.2
-45°	4.6	4.8	5.3	5.7	7.0	8.9	11.6	15.2	26.4	43.0	65.7
-47.5°	4.6	4.8	5.3	5.7	6.9	8.8	11.1	14.7	23.0	34.6	56.2
-50°	4.6	4.8	5.3	5.7	6.9	8.5	10.8	14.0	18.7	29.8	45.9
-52.5°	4.6	4.8	5.4	5.7	6.8	8.3	10.5	13.3	16.6	24.7	35.6
-55°	4.6	4.8	5.4	5.8	6.7	8.1	10.1	12.5	15.5	19.3	29.5
-57.5°	4.6	4.8	5.4	5.8	6.6	8.0	9.7	12.0	14.2	17.0	23.1
-60°	4.6	4.8	5.4	5.8	6.5	7.8	9.3	11.3	13.1	15.5	18.1
-62.5°	4.6	4.8	5.3	5.8	6.4	7.6	9.0	10.7	12.3	14.1	16.4
-65°	4.6	4.8	5.3	5.7	6.4	7.4	8.7	10.0	11.5	13.0	14.8
-67.5°	4.6	4.8	5.2	5.7	6.3	7.2	8.4	9.6	10.7	12.1	13.5
-70°	4.6	4.7	5.2	5.7	6.2	7.0	8.0	9.1	10.2	11.2	12.5
-72.5°	4.6	4.7	5.1	5.6	6.1	6.7	7.7	8.6	9.6	10.6	11.6
-75°	4.6	4.7	5.0	5.5	5.9	6.5	7.3	8.1	9.0	9.9	10.8
-77.5°	4.6	4.7	5.0	5.4	5.8	6.2	6.9	7.6	8.4	9.2	10.1
-80°	4.6	4.7	4.9	5.3	5.7	6.0	6.4	7.0	7.6	8.3	9.1
-82.5°	4.6	4.7	4.8	5.2	5.5	5.8	6.2	6.5	6.9	7.4	8.0
-85°	4.6	4.6	4.8	5.1	5.4	5.7	6.0	6.2	6.4	6.7	7.0
-87.5°	4.6	4.6	4.7	4.9	5.2	5.5	5.7	5.8	6.0	6.1	6.3
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	5.5	5.5	5.5	5.5	5.7	6.0	6.2	6.4	6.4	6.4	6.4
87.5°	4.4	4.2	3.9	3.7	3.5	3.2	3.0	2.7	2.7	2.7	2.7
85°	4.4	4.2	3.9	3.7	3.5	3.4	3.2	3.1	3.1	3.0	2.9
82.5°	4.4	4.2	3.9	3.7	3.7	3.7	3.7	3.7	3.5	3.2	3.0
80°	4.4	4.2	4.1	4.0	4.0	4.0	3.9	3.7	3.5	3.3	3.2
77.5°	4.5	4.4	4.4	4.5	4.4	4.3	4.2	4.2	4.1	4.0	3.9
75°	4.6	4.6	4.7	4.6	4.5	4.5	4.6	4.6	4.5	4.4	4.4
72.5°	4.7	4.9	4.8	4.7	4.6	4.6	4.6	4.6	5.1	6.0	6.7
70°	5.1	5.2	5.0	4.7	4.6	4.9	5.9	7.1	8.3	9.6	11.2
67.5°	5.4	5.2	5.0	5.0	5.7	6.8	8.2	11.6	15.6	17.4	18.1
65°	5.5	5.3	5.5	6.2	7.2	9.6	13.3	18.0	23.1	24.0	23.4
62.5°	5.5	5.7	6.4	7.6	9.6	12.9	17.5	22.8	28.6	28.7	25.1
60°	5.9	6.3	7.7	9.8	12.1	15.7	21.0	25.1	29.4	31.1	23.7
57.5°	6.4	7.4	9.5	12.0	15.0	17.5	20.5	24.4	26.1	26.0	19.2
55°	7.2	8.8	11.5	14.6	16.8	16.2	18.2	19.6	19.9	18.5	13.4
52.5°	8.7	10.5	13.8	16.6	17.0	15.3	14.3	15.0	14.0	12.0	10.4
50°	10.0	12.7	16.0	17.7	16.8	13.8	11.4	11.5	10.8	9.9	8.9
47.5°	11.6	14.6	17.8	18.6	15.4	13.2	11.0	10.2	9.7	9.3	8.5
45°	13.1	16.1	19.5	17.4	14.9	13.6	11.9	10.0	10.0	9.8	9.7
42.5°	14.3	17.2	18.5	16.3	16.0	15.0	13.5	11.8	11.0	11.4	11.7
40°	15.1	18.0	17.8	17.8	17.5	17.0	16.0	14.6	13.0	14.0	14.6
37.5°	15.7	17.8	18.4	20.4	19.8	19.6	18.9	19.1	18.0	17.5	19.6
35°	16.0	18.3	21.5	23.8	23.5	22.7	23.9	24.6	24.3	23.6	27.0
32.5°	16.5	19.2	25.3	27.8	28.8	28.3	29.8	31.2	32.7	34.5	40.0
30°	18.2	22.7	29.7	32.4	35.3	38.6	37.8	38.9	43.0	55.9	68.0
27.5°	21.8	27.4	34.0	38.5	43.6	51.3	52.9	50.9	63.3	84.0	105.6
25°	25.7	41.2	38.7	45.7	55.9	66.5	72.2	76.6	93.6	123.8	146.4
22.5°	33.6	59.4	59.0	53.7	69.9	84.1	97.8	128.0	171.0	184.8	189.2
20°	47.0	77.7	83.4	85.2	90.7	103.8	127.0	198.2	284.2	316.5	281.9
17.5°	62.8	97.6	110.3	124.1	141.1	145.0	164.7	282.6	424.9	473.6	473.8
15°	80.4	119.0	138.8	166.9	194.8	212.4	278.0	420.4	577.3	654.4	698.4
12.5°	99.3	141.4	168.6	212.5	251.1	282.0	425.3	652.4	798.3	865.6	994.0
10°	118.8	164.5	199.2	260.2	309.2	353.0	590.9	899.9	1042.0	1107.8	1254.6
7.5°	138.2	186.0	229.0	308.7	368.2	424.5	767.2	1155.6	1277.1	1335.8	1455.4
5°	156.9	205.1	252.7	345.6	414.9	483.1	927.1	1410.3	1505.0	1552.3	1619.8
2.5°	174.1	223.2	275.4	378.7	452.4	520.1	996.7	1522.1	1626.0	1697.0	1754.6
0°	189.0	240.2	296.8	409.1	487.6	554.3	1047.4	1614.4	1724.0	1808.9	1878.3
-2.5°	189.7	243.7	303.8	407.8	479.8	548.8	998.9	1593.5	1757.6	1885.0	1989.1
-5°	187.9	245.8	308.9	403.9	470.0	540.5	935.1	1543.5	1764.5	1900.1	2006.4
-7.5°	184.2	246.4	311.9	396.8	455.7	519.7	879.4	1441.3	1684.7	1800.9	1913.7
-10°	179.3	245.0	307.5	380.3	434.9	491.1	808.5	1322.4	1602.9	1702.8	1807.5
-12.5°	175.0	242.1	300.9	364.0	413.9	461.7	715.8	1191.7	1521.9	1608.8	1692.5
-15°	170.0	238.3	293.4	348.8	393.0	432.0	600.1	1053.4	1442.7	1540.3	1605.0
-17.5°	164.7	233.7	285.4	335.5	372.7	402.6	463.1	887.2	1310.8	1459.6	1535.4
-20°	159.4	228.5	276.9	324.7	353.7	381.8	422.4	717.9	1105.2	1362.3	1458.9



REPORT NUMBER: P731308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	154.5	222.6	268.7	313.7	343.5	368.5	400.8	553.1	888.0	1252.2	1368.8
-25°	152.6	213.7	260.5	303.1	336.0	355.8	378.8	414.6	687.5	1033.5	1267.4
-27.5°	152.1	206.2	251.0	291.9	330.0	345.1	362.6	390.0	529.8	809.3	1142.5
-30°	149.7	195.5	240.5	280.2	318.6	339.0	350.1	371.7	409.2	623.9	897.2
-32.5°	142.8	184.1	227.9	267.6	305.0	335.4	343.9	362.1	389.7	451.2	673.0
-35°	134.1	173.3	214.4	254.1	291.0	324.9	343.9	354.6	373.1	402.4	502.0
-37.5°	125.9	161.7	200.4	239.3	275.3	309.6	342.7	352.2	364.6	385.5	423.5
-40°	116.4	149.3	186.6	223.6	258.4	292.3	324.9	352.6	360.1	381.2	407.7
-42.5°	105.6	137.4	172.3	207.0	239.5	272.8	305.6	336.5	365.5	380.0	400.6
-45°	93.7	124.0	157.3	188.2	218.7	251.2	283.2	315.4	352.8	386.5	400.3
-47.5°	80.8	109.2	140.4	168.2	196.6	226.8	258.8	292.7	330.3	367.6	406.2
-50°	67.5	93.8	120.9	147.2	173.2	200.9	230.4	266.1	302.1	339.3	376.7
-52.5°	55.4	77.4	101.6	125.8	149.8	174.0	202.3	234.6	269.3	305.0	338.2
-55°	42.5	62.1	81.8	104.2	126.6	148.2	173.2	202.3	232.4	265.3	295.4
-57.5°	33.0	46.7	63.7	82.0	102.7	123.6	146.3	169.6	196.4	224.0	248.9
-60°	25.5	34.4	46.7	62.1	78.0	97.8	119.1	140.4	161.9	182.3	203.5
-62.5°	18.8	25.8	33.6	43.5	57.3	72.0	90.2	109.7	129.3	146.5	162.0
-65°	16.9	18.9	24.3	31.2	37.7	50.7	64.4	78.2	95.1	110.2	124.2
-67.5°	15.0	16.8	18.5	21.2	27.3	34.1	41.1	53.1	65.2	75.7	86.1
-70°	13.7	14.7	16.2	17.8	19.4	22.5	28.5	34.6	40.8	48.1	57.2
-72.5°	12.5	13.5	14.4	15.3	16.7	18.4	20.2	22.0	25.6	30.4	35.5
-75°	11.5	12.2	13.0	13.8	14.7	15.7	16.8	18.3	19.7	21.0	22.1
-77.5°	10.6	11.1	11.7	12.3	13.0	13.8	14.6	15.5	16.4	17.3	18.4
-80°	9.6	10.0	10.4	10.8	11.3	11.8	12.4	13.0	13.5	14.0	14.5
-82.5°	8.3	8.6	8.9	9.2	9.5	9.8	10.1	10.4	10.6	10.8	11.0
-85°	7.2	7.3	7.5	7.7	7.9	8.1	8.2	8.4	8.4	8.3	8.2
-87.5°	6.3	6.4	6.5	6.5	6.7	6.8	6.9	7.0	6.9	6.7	6.6
-90°	4.4	4.2	3.9	3.7	3.5	3.2	3.0	2.7	2.7	2.7	2.7



REPORT NUMBER: P731308 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.4	6.4	6.4	6.4	6.4	8.9	11.4	13.9	16.4	22.6	28.7
87.5°	2.7	2.5	2.3	2.0	1.8	1.6	1.4	1.1	0.9	0.9	0.9
85°	2.7	2.5	2.3	2.0	1.8	1.8	1.7	1.7	1.7	1.5	1.3
82.5°	2.7	2.6	2.5	2.5	2.5	2.3	2.2	2.0	1.8	1.6	1.4
80°	3.0	3.0	2.9	2.9	2.7	2.5	2.3	2.0	1.8	1.8	1.8
77.5°	3.8	3.7	3.4	3.1	2.8	2.6	2.6	2.5	2.5	2.4	2.2
75°	4.5	4.4	4.3	4.1	3.7	3.6	3.7	3.6	3.5	3.4	3.1
72.5°	7.2	7.3	7.0	6.8	6.3	6.0	6.1	6.0	5.8	5.8	5.7
70°	12.1	12.2	11.8	10.9	9.6	8.6	8.2	7.8	7.3	7.3	7.8
67.5°	17.5	16.3	15.0	13.5	11.5	10.0	9.3	8.6	7.7	7.3	7.1
65°	21.2	16.8	14.3	12.7	11.6	10.5	9.3	8.2	7.2	6.5	6.2
62.5°	20.3	14.3	11.7	10.5	9.6	8.8	7.7	6.6	5.7	5.1	5.1
60°	17.4	11.9	9.2	8.2	7.3	6.4	5.9	5.3	4.9	4.7	4.9
57.5°	13.5	9.4	7.2	6.9	6.4	5.8	5.4	5.3	5.0	4.6	4.9
55°	9.9	8.3	7.3	7.0	6.8	6.5	6.2	5.8	5.4	5.2	5.3
52.5°	8.5	8.1	8.0	7.9	7.4	6.9	6.4	6.3	6.2	6.1	6.2
50°	8.3	8.3	8.3	8.1	7.6	7.4	7.2	7.2	7.1	7.0	7.0
47.5°	8.5	8.7	8.7	8.3	8.1	8.3	8.2	8.1	8.3	8.4	8.5
45°	9.4	9.7	9.8	9.9	9.6	9.9	9.9	9.8	11.4	11.5	10.9
42.5°	11.4	12.6	13.5	13.2	12.1	14.4	18.0	19.6	18.0	15.7	14.1
40°	16.2	17.7	18.4	19.6	24.4	28.1	24.7	21.3	19.9	21.1	22.1
37.5°	22.7	24.7	30.5	37.9	35.2	28.6	29.4	29.7	29.0	30.9	31.2
35°	33.2	42.6	49.6	47.4	44.1	43.4	45.0	45.5	41.1	43.1	43.8
32.5°	53.2	64.7	65.2	62.3	63.9	64.2	68.7	65.7	62.0	63.8	68.9
30°	76.9	88.2	92.3	87.1	77.4	82.8	87.4	86.0	88.7	96.5	104.8
27.5°	113.8	121.2	128.0	117.4	98.2	106.6	109.9	106.6	124.8	134.6	154.0
25°	157.9	166.2	171.5	162.7	149.4	142.6	153.0	160.7	183.0	204.6	235.0
22.5°	205.9	228.2	234.6	211.5	211.5	211.4	215.4	241.8	271.7	319.5	399.7
20°	261.8	306.2	341.7	318.3	288.2	308.5	333.6	366.0	451.2	668.0	914.6
17.5°	460.1	429.1	494.3	496.5	453.2	500.6	591.0	707.3	1067.0	2172.9	2897.9
15°	783.0	750.2	709.6	711.7	754.5	847.5	1032.5	1676.5	3265.1	5625.5	8065.0
12.5°	1112.6	1063.4	1003.6	987.8	1081.2	1268.5	2141.0	4790.9	8531.5	12605.0	23054.2
10°	1372.7	1346.4	1291.3	1332.5	1488.5	2038.8	3822.9	8419.0	16137.8	29633.2	46285.1
7.5°	1525.3	1515.3	1530.1	1651.0	1905.3	3354.3	7277.0	14109.0	26828.6	47279.1	77279.0
5°	1678.4	1686.8	1731.9	1898.1	2223.6	4266.6	10270.7	19606.2	38845.9	68907.0	115363.9
2.5°	1848.2	1855.8	1916.5	2125.8	2498.3	4409.3	10983.2	23107.1	49253.2	88646.5	150228.4
0°	2043.6	1999.7	2018.0	2208.8	2593.3	5142.7	12675.1	25339.2	54510.8	96846.0	159656.2
-2.5°	2112.9	2019.1	2002.0	2163.2	2500.2	4557.4	11322.5	23563.0	50067.0	88723.1	148874.3
-5°	2065.9	1937.7	1886.5	2018.3	2338.2	3996.2	9520.4	21440.7	44451.8	75898.2	126150.3
-7.5°	1948.8	1826.0	1750.5	1849.7	2128.9	3292.9	7292.6	16236.4	32355.8	56156.5	89614.2
-10°	1848.4	1730.6	1615.5	1647.3	1840.7	2451.1	4540.0	10635.1	21377.0	37907.2	56974.3
-12.5°	1761.5	1662.8	1490.4	1437.9	1546.3	1832.8	3168.6	7248.8	13673.7	21503.4	34869.1
-15°	1671.5	1590.7	1418.5	1335.5	1374.2	1513.8	1875.6	3481.7	7487.1	12744.4	18502.2
-17.5°	1571.8	1516.3	1412.7	1290.2	1237.9	1294.0	1466.9	1962.8	3327.3	6603.7	10193.9
-20°	1504.2	1473.3	1397.3	1289.8	1222.5	1196.5	1256.5	1408.4	1743.5	2999.3	4546.0



REPORT NUMBER: P731308 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1419.5	1406.7	1355.3	1324.6	1275.4	1219.8	1167.1	1214.3	1325.5	1496.6	2031.1
-25°	1339.4	1342.5	1345.8	1386.3	1378.4	1300.8	1201.0	1129.5	1167.0	1220.6	1328.8
-27.5°	1250.8	1294.8	1363.1	1439.3	1474.7	1408.9	1291.4	1184.3	1152.4	1121.0	1166.8
-30°	1172.9	1262.5	1335.7	1428.8	1489.9	1470.2	1409.6	1337.4	1259.3	1204.9	1187.1
-32.5°	972.0	1220.4	1288.1	1363.0	1454.1	1483.1	1476.3	1448.5	1415.0	1376.8	1337.1
-35°	755.4	1031.1	1258.0	1301.1	1360.7	1446.7	1514.3	1519.1	1514.7	1500.7	1490.1
-37.5°	533.5	795.9	1034.9	1226.8	1298.4	1355.7	1459.3	1538.5	1583.6	1580.0	1581.1
-40°	443.1	515.3	755.7	977.5	1141.9	1295.2	1377.9	1481.5	1563.9	1597.5	1623.1
-42.5°	427.4	455.4	484.1	650.5	862.1	1047.6	1190.2	1321.8	1438.1	1521.1	1587.0
-45°	416.3	435.4	457.1	484.7	514.5	680.2	864.4	1035.8	1147.7	1259.7	1376.6
-47.5°	415.9	420.6	436.0	455.5	474.4	501.3	532.1	573.9	697.8	810.3	929.1
-50°	403.5	422.3	427.5	433.4	445.6	460.3	474.8	489.9	504.0	512.9	525.0
-52.5°	366.8	391.1	413.9	431.7	436.3	440.7	444.9	454.7	464.1	472.0	480.9
-55°	322.5	348.3	373.3	393.7	412.1	429.5	442.4	444.5	447.4	450.8	456.2
-57.5°	274.6	299.6	323.3	344.7	364.8	383.5	397.0	407.0	416.4	425.3	436.8
-60°	225.2	247.3	269.0	289.7	309.5	328.3	340.8	351.0	359.8	368.6	380.5
-62.5°	176.8	193.8	213.4	232.0	249.2	265.5	278.3	289.3	298.4	307.5	318.5
-65°	137.5	150.1	164.6	178.2	191.0	206.0	219.9	231.3	240.4	249.4	259.3
-67.5°	98.1	109.8	123.4	136.0	147.9	159.4	171.0	181.9	192.1	202.4	212.6
-70°	65.6	73.8	83.7	94.4	105.5	115.9	125.9	135.5	144.6	153.7	162.5
-72.5°	40.6	45.8	51.2	58.4	65.9	73.2	80.3	87.4	94.4	102.6	110.7
-75°	23.1	25.2	29.4	33.4	37.1	40.7	43.7	46.3	48.5	53.3	58.6
-77.5°	19.5	20.5	21.6	22.7	23.8	25.3	26.9	28.6	30.4	34.3	38.6
-80°	15.2	15.9	16.6	17.4	18.2	19.3	20.5	21.6	22.6	25.5	28.5
-82.5°	11.2	11.5	11.8	12.1	12.4	13.3	14.2	15.1	15.9	18.3	20.7
-85°	8.1	8.3	8.4	8.5	8.6	9.4	10.1	10.9	11.7	14.0	16.3
-87.5°	6.4	6.4	6.4	6.4	6.4	7.2	8.0	8.7	9.3	11.9	14.4
-90°	2.7	2.5	2.3	2.0	1.8	1.6	1.4	1.1	0.9	0.9	0.9



REPORT NUMBER: P731308 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	34.9	41.1	34.7	28.3	34.7	41.1	34.9	28.7	22.6	16.4	13.9
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
85°	1.1	0.9	0.9	0.9	0.9	0.9	1.1	1.3	1.5	1.7	1.7
82.5°	1.1	0.9	1.3	1.8	1.3	0.9	1.1	1.4	1.6	1.8	2.0
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.0
77.5°	2.0	1.8	1.8	1.8	1.8	1.8	2.0	2.2	2.4	2.5	2.5
75°	2.9	2.7	2.7	2.7	2.7	2.7	2.9	3.1	3.4	3.5	3.6
72.5°	5.6	5.4	5.5	5.5	5.5	5.4	5.6	5.7	5.8	5.8	6.0
70°	8.4	8.9	9.1	9.1	9.1	8.9	8.4	7.8	7.3	7.3	7.8
67.5°	6.8	6.5	6.4	6.4	6.4	6.5	6.8	7.1	7.3	7.7	8.6
65°	5.9	5.6	5.5	5.5	5.5	5.6	5.9	6.2	6.5	7.2	8.2
62.5°	5.3	5.4	5.5	5.5	5.5	5.4	5.3	5.1	5.1	5.7	6.6
60°	5.2	5.4	5.5	5.5	5.5	5.4	5.2	4.9	4.7	4.9	5.3
57.5°	5.2	5.4	5.5	5.5	5.5	5.4	5.2	4.9	4.6	5.0	5.3
55°	5.4	5.5	5.8	6.4	5.8	5.5	5.4	5.3	5.2	5.4	5.8
52.5°	6.3	6.3	6.4	6.4	6.4	6.3	6.3	6.2	6.1	6.2	6.3
50°	7.2	7.2	7.3	7.3	7.3	7.2	7.2	7.0	7.0	7.1	7.2
47.5°	8.8	9.0	9.1	9.1	9.1	9.0	8.8	8.5	8.4	8.3	8.1
45°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	10.9	11.5	11.4	9.8
42.5°	14.7	15.1	15.4	15.5	15.4	15.1	14.7	14.1	15.7	18.0	19.6
40°	23.2	23.5	23.3	22.8	23.3	23.5	23.2	22.1	21.1	19.9	21.3
37.5°	31.6	32.2	32.6	32.9	32.6	32.2	31.6	31.2	30.9	29.0	29.7
35°	44.3	44.8	44.5	45.7	44.5	44.8	44.3	43.8	43.1	41.1	45.5
32.5°	72.2	72.6	70.3	71.2	70.3	72.6	72.2	68.9	63.8	62.0	65.7
30°	110.6	115.6	118.6	122.4	118.6	115.6	110.6	104.8	96.5	88.7	86.0
27.5°	168.3	180.7	188.9	193.6	188.9	180.7	168.3	154.0	134.6	124.8	106.6
25°	262.8	281.7	291.8	299.5	291.8	281.7	262.8	235.0	204.6	183.0	160.7
22.5°	510.4	582.6	622.9	661.1	622.9	582.6	510.4	399.7	319.5	271.7	241.8
20°	1308.7	1393.0	1551.8	1650.0	1551.8	1393.0	1308.7	914.6	668.0	451.2	366.0
17.5°	4408.4	5620.3	5846.6	6017.5	5846.6	5620.3	4408.4	2897.9	2172.9	1067.0	707.3
15°	13128.3	16725.2	17693.3	18517.3	17693.3	16725.2	13128.3	8065.0	5625.5	3265.1	1676.5
12.5°	31697.4	41597.1	46981.6	51072.5	46981.6	41597.1	31697.4	23054.2	12605.0	8531.5	4790.9
10°	66410.8	85792.0	100502.5	109021.6	100502.5	85792.0	66410.8	46285.1	29633.2	16137.8	8419.0
7.5°	113094.9	145944.5	165147.0	174921.4	165147.0	145944.5	113094.9	77279.0	47279.1	26828.6	14109.0
5°	170578.7	212984.3	239783.6	254519.8	239783.6	212984.3	170578.7	115363.9	68907.0	38845.9	19606.2
2.5°	213069.2	267471.4	307642.6	326538.4	307642.6	267471.4	213069.2	150228.4	88646.5	49253.2	23107.1
0°	228454.2	285530.4	331452.4	358963.0	331452.4	285530.4	228454.2	159656.2	96846.0	54510.8	25339.2
-2.5°	213767.3	267349.5	303116.4	319760.2	303116.4	267349.5	213767.3	148874.3	88723.1	50067.0	23563.0
-5°	181778.7	228104.3	253807.2	264687.4	253807.2	228104.3	181778.7	126150.3	75898.2	44451.8	21440.7
-7.5°	128968.8	164306.2	182371.4	193088.4	182371.4	164306.2	128968.8	89614.2	56156.5	32355.8	16236.4
-10°	81198.3	101063.6	118344.0	126161.0	118344.0	101063.6	81198.3	56974.3	37907.2	21377.0	10635.1
-12.5°	47155.7	59732.7	69843.7	74138.8	69843.7	59732.7	47155.7	34869.1	21503.4	13673.7	7248.8
-15°	26059.6	32932.6	37587.7	39408.6	37587.7	32932.6	26059.6	18502.2	12744.4	7487.1	3481.7
-17.5°	14491.1	17826.3	19149.4	21271.2	19149.4	17826.3	14491.1	10193.9	6603.7	3327.3	1962.8
-20°	7099.4	8828.7	9383.2	10879.9	9383.2	8828.7	7099.4	4546.0	2999.3	1743.5	1408.4



REPORT NUMBER: P731308 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2757.6	3165.8	3256.8	3966.6	3256.8	3165.8	2757.6	2031.1	1496.6	1325.5	1214.3
-25°	1432.1	1500.9	1532.9	1616.2	1532.9	1500.9	1432.1	1328.8	1220.6	1167.0	1129.5
-27.5°	1203.9	1237.2	1263.8	1303.9	1263.8	1237.2	1203.9	1166.8	1121.0	1152.4	1184.3
-30°	1173.3	1167.5	1168.2	1172.5	1168.2	1167.5	1173.3	1187.1	1204.9	1259.3	1337.4
-32.5°	1305.5	1285.2	1275.2	1237.3	1275.2	1285.2	1305.5	1337.1	1376.8	1415.0	1448.5
-35°	1483.6	1481.9	1483.2	1465.6	1483.2	1481.9	1483.6	1490.1	1500.7	1514.7	1519.1
-37.5°	1581.5	1584.4	1587.9	1582.4	1587.9	1584.4	1581.5	1581.1	1580.0	1583.6	1538.5
-40°	1632.0	1640.3	1646.1	1644.5	1646.1	1640.3	1632.0	1623.1	1597.5	1563.9	1481.5
-42.5°	1619.9	1640.3	1650.3	1653.7	1650.3	1640.3	1619.9	1587.0	1521.1	1438.1	1321.8
-45°	1483.6	1566.8	1616.9	1630.8	1616.9	1566.8	1483.6	1376.6	1259.7	1147.7	1035.8
-47.5°	1062.8	1185.8	1301.2	1402.6	1301.2	1185.8	1062.8	929.1	810.3	697.8	573.9
-50°	540.0	553.9	582.3	623.7	582.3	553.9	540.0	525.0	512.9	504.0	489.9
-52.5°	489.7	497.7	505.7	513.2	505.7	497.7	489.7	480.9	472.0	464.1	454.7
-55°	461.4	466.3	470.1	473.0	470.1	466.3	461.4	456.2	450.8	447.4	444.5
-57.5°	446.7	454.9	461.9	467.5	461.9	454.9	446.7	436.8	425.3	416.4	407.0
-60°	390.9	399.9	408.3	415.5	408.3	399.9	390.9	380.5	368.6	359.8	351.0
-62.5°	328.0	335.9	344.2	351.6	344.2	335.9	328.0	318.5	307.5	298.4	289.3
-65°	268.0	275.7	282.5	288.5	282.5	275.7	268.0	259.3	249.4	240.4	231.3
-67.5°	222.1	230.9	239.6	247.5	239.6	230.9	222.1	212.6	202.4	192.1	181.9
-70°	170.4	177.6	183.8	189.0	183.8	177.6	170.4	162.5	153.7	144.6	135.5
-72.5°	118.2	124.9	132.6	139.7	132.6	124.9	118.2	110.7	102.6	94.4	87.4
-75°	63.7	68.6	73.2	77.6	73.2	68.6	63.7	58.6	53.3	48.5	46.3
-77.5°	42.8	47.1	50.1	53.0	50.1	47.1	42.8	38.6	34.3	30.4	28.6
-80°	31.5	34.5	36.9	39.3	36.9	34.5	31.5	28.5	25.5	22.6	21.6
-82.5°	23.1	25.5	27.4	29.2	27.4	25.5	23.1	20.7	18.3	15.9	15.1
-85°	18.7	21.0	22.8	24.7	22.8	21.0	18.7	16.3	14.0	11.7	10.9
-87.5°	16.8	19.3	20.6	21.9	20.6	19.3	16.8	14.4	11.9	9.3	8.7
-90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	11.4	8.9	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	1.4	1.6	1.8	2.0	2.3	2.5	2.7	2.7	2.7	2.7	2.7
85°	1.7	1.8	1.8	2.0	2.3	2.5	2.7	2.9	3.0	3.1	3.1
82.5°	2.2	2.3	2.5	2.5	2.5	2.6	2.7	3.0	3.2	3.5	3.7
80°	2.3	2.5	2.7	2.9	2.9	3.0	3.0	3.2	3.3	3.5	3.7
77.5°	2.6	2.6	2.8	3.1	3.4	3.7	3.8	3.9	4.0	4.1	4.2
75°	3.7	3.6	3.7	4.1	4.3	4.4	4.5	4.4	4.4	4.5	4.6
72.5°	6.1	6.0	6.3	6.8	7.0	7.3	7.2	6.7	6.0	5.1	4.6
70°	8.2	8.6	9.6	10.9	11.8	12.2	12.1	11.2	9.6	8.3	7.1
67.5°	9.3	10.0	11.5	13.5	15.0	16.3	17.5	18.1	17.4	15.6	11.6
65°	9.3	10.5	11.6	12.7	14.3	16.8	21.2	23.4	24.0	23.1	18.0
62.5°	7.7	8.8	9.6	10.5	11.7	14.3	20.3	25.1	28.7	28.6	22.8
60°	5.9	6.4	7.3	8.2	9.2	11.9	17.4	23.7	31.1	29.4	25.1
57.5°	5.4	5.8	6.4	6.9	7.2	9.4	13.5	19.2	26.0	26.1	24.4
55°	6.2	6.5	6.8	7.0	7.3	8.3	9.9	13.4	18.5	19.9	19.6
52.5°	6.4	6.9	7.4	7.9	8.0	8.1	8.5	10.4	12.0	14.0	15.0
50°	7.2	7.4	7.6	8.1	8.3	8.3	8.3	8.9	9.9	10.8	11.5
47.5°	8.2	8.3	8.1	8.3	8.7	8.7	8.5	8.5	9.3	9.7	10.2
45°	9.9	9.9	9.6	9.9	9.8	9.7	9.4	9.7	9.8	10.0	10.0
42.5°	18.0	14.4	12.1	13.2	13.5	12.6	11.4	11.7	11.4	11.0	11.8
40°	24.7	28.1	24.4	19.6	18.4	17.7	16.2	14.6	14.0	13.0	14.6
37.5°	29.4	28.6	35.2	37.9	30.5	24.7	22.7	19.6	17.5	18.0	19.1
35°	45.0	43.4	44.1	47.4	49.6	42.6	33.2	27.0	23.6	24.3	24.6
32.5°	68.7	64.2	63.9	62.3	65.2	64.7	53.2	40.0	34.5	32.7	31.2
30°	87.4	82.8	77.4	87.1	92.3	88.2	76.9	68.0	55.9	43.0	38.9
27.5°	109.9	106.6	98.2	117.4	128.0	121.2	113.8	105.6	84.0	63.3	50.9
25°	153.0	142.6	149.4	162.7	171.5	166.2	157.9	146.4	123.8	93.6	76.6
22.5°	215.4	211.4	211.5	211.5	234.6	228.2	205.9	189.2	184.8	171.0	128.0
20°	333.6	308.5	288.2	318.3	341.7	306.2	261.8	281.9	316.5	284.2	198.2
17.5°	591.0	500.6	453.2	496.5	494.3	429.1	460.1	473.8	473.6	424.9	282.6
15°	1032.5	847.5	754.5	711.7	709.6	750.2	783.0	698.4	654.4	577.3	420.4
12.5°	2141.0	1268.5	1081.2	987.8	1003.6	1063.4	1112.6	994.0	865.6	798.3	652.4
10°	3822.9	2038.8	1488.5	1332.5	1291.3	1346.4	1372.7	1254.6	1107.8	1042.0	899.9
7.5°	7277.0	3354.3	1905.3	1651.0	1530.1	1515.3	1525.3	1455.4	1335.8	1277.1	1155.6
5°	10270.7	4266.6	2223.6	1898.1	1731.9	1686.8	1678.4	1619.8	1552.3	1505.0	1410.3
2.5°	10983.2	4409.3	2498.3	2125.8	1916.5	1855.8	1848.2	1754.6	1697.0	1626.0	1522.1
0°	12675.1	5142.7	2593.3	2208.8	2018.0	1999.7	2043.6	1878.3	1808.9	1724.0	1614.4
-2.5°	11322.5	4557.4	2500.2	2163.2	2002.0	2019.1	2112.9	1989.1	1885.0	1757.6	1593.5
-5°	9520.4	3996.2	2338.2	2018.3	1886.5	1937.7	2065.9	2006.4	1900.1	1764.5	1543.5
-7.5°	7292.6	3292.9	2128.9	1849.7	1750.5	1826.0	1948.8	1913.7	1800.9	1684.7	1441.3
-10°	4540.0	2451.1	1840.7	1647.3	1615.5	1730.6	1848.4	1807.5	1702.8	1602.9	1322.4
-12.5°	3168.6	1832.8	1546.3	1437.9	1490.4	1662.8	1761.5	1692.5	1608.8	1521.9	1191.7
-15°	1875.6	1513.8	1374.2	1335.5	1418.5	1590.7	1671.5	1605.0	1540.3	1442.7	1053.4
-17.5°	1466.9	1294.0	1237.9	1290.2	1412.7	1516.3	1571.8	1535.4	1459.6	1310.8	887.2
-20°	1256.5	1196.5	1222.5	1289.8	1397.3	1473.3	1504.2	1458.9	1362.3	1105.2	717.9



REPORT NUMBER: P731308 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1167.1	1219.8	1275.4	1324.6	1355.3	1406.7	1419.5	1368.8	1252.2	888.0	553.1
-25°	1201.0	1300.8	1378.4	1386.3	1345.8	1342.5	1339.4	1267.4	1033.5	687.5	414.6
-27.5°	1291.4	1408.9	1474.7	1439.3	1363.1	1294.8	1250.8	1142.5	809.3	529.8	390.0
-30°	1409.6	1470.2	1489.9	1428.8	1335.7	1262.5	1172.9	897.2	623.9	409.2	371.7
-32.5°	1476.3	1483.1	1454.1	1363.0	1288.1	1220.4	972.0	673.0	451.2	389.7	362.1
-35°	1514.3	1446.7	1360.7	1301.1	1258.0	1031.1	755.4	502.0	402.4	373.1	354.6
-37.5°	1459.3	1355.7	1298.4	1226.8	1034.9	795.9	533.5	423.5	385.5	364.6	352.2
-40°	1377.9	1295.2	1141.9	977.5	755.7	515.3	443.1	407.7	381.2	360.1	352.6
-42.5°	1190.2	1047.6	862.1	650.5	484.1	455.4	427.4	400.6	380.0	365.5	336.5
-45°	864.4	680.2	514.5	484.7	457.1	435.4	416.3	400.3	386.5	352.8	315.4
-47.5°	532.1	501.3	474.4	455.5	436.0	420.6	415.9	406.2	367.6	330.3	292.7
-50°	474.8	460.3	445.6	433.4	427.5	422.3	403.5	376.7	339.3	302.1	266.1
-52.5°	444.9	440.7	436.3	431.7	413.9	391.1	366.8	338.2	305.0	269.3	234.6
-55°	442.4	429.5	412.1	393.7	373.3	348.3	322.5	295.4	265.3	232.4	202.3
-57.5°	397.0	383.5	364.8	344.7	323.3	299.6	274.6	248.9	224.0	196.4	169.6
-60°	340.8	328.3	309.5	289.7	269.0	247.3	225.2	203.5	182.3	161.9	140.4
-62.5°	278.3	265.5	249.2	232.0	213.4	193.8	176.8	162.0	146.5	129.3	109.7
-65°	219.9	206.0	191.0	178.2	164.6	150.1	137.5	124.2	110.2	95.1	78.2
-67.5°	171.0	159.4	147.9	136.0	123.4	109.8	98.1	86.1	75.7	65.2	53.1
-70°	125.9	115.9	105.5	94.4	83.7	73.8	65.6	57.2	48.1	40.8	34.6
-72.5°	80.3	73.2	65.9	58.4	51.2	45.8	40.6	35.5	30.4	25.6	22.0
-75°	43.7	40.7	37.1	33.4	29.4	25.2	23.1	22.1	21.0	19.7	18.3
-77.5°	26.9	25.3	23.8	22.7	21.6	20.5	19.5	18.4	17.3	16.4	15.5
-80°	20.5	19.3	18.2	17.4	16.6	15.9	15.2	14.5	14.0	13.5	13.0
-82.5°	14.2	13.3	12.4	12.1	11.8	11.5	11.2	11.0	10.8	10.6	10.4
-85°	10.1	9.4	8.6	8.5	8.4	8.3	8.1	8.2	8.3	8.4	8.4
-87.5°	8.0	7.2	6.4	6.4	6.4	6.4	6.4	6.6	6.7	6.9	7.0
-90°	1.4	1.6	1.8	2.0	2.3	2.5	2.7	2.7	2.7	2.7	2.7



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	6.2	6.0	5.7	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
87.5°	3.0	3.2	3.5	3.7	3.9	4.2	4.4	4.6	4.6	4.6	4.6
85°	3.2	3.4	3.5	3.7	3.9	4.2	4.4	4.6	4.6	4.6	4.6
82.5°	3.7	3.7	3.7	3.7	3.9	4.2	4.4	4.6	4.6	4.6	4.6
80°	3.9	4.0	4.0	4.0	4.1	4.2	4.4	4.6	4.6	4.6	4.6
77.5°	4.2	4.3	4.4	4.5	4.4	4.4	4.5	4.6	4.6	4.6	4.6
75°	4.6	4.5	4.5	4.6	4.7	4.6	4.6	4.6	4.7	4.6	4.6
72.5°	4.6	4.6	4.6	4.7	4.8	4.9	4.7	4.7	4.8	4.8	4.7
70°	5.9	4.9	4.6	4.7	5.0	5.2	5.1	5.0	4.9	5.0	4.9
67.5°	8.2	6.8	5.7	5.0	5.0	5.2	5.4	5.4	5.3	5.2	5.1
65°	13.3	9.6	7.2	6.2	5.5	5.3	5.5	5.7	5.6	5.5	5.3
62.5°	17.5	12.9	9.6	7.6	6.4	5.7	5.5	5.8	6.0	5.8	5.6
60°	21.0	15.7	12.1	9.8	7.7	6.3	5.9	6.0	6.2	6.1	5.9
57.5°	20.5	17.5	15.0	12.0	9.5	7.4	6.4	6.4	6.4	6.4	6.2
55°	18.2	16.2	16.8	14.6	11.5	8.8	7.2	6.8	6.7	6.7	6.5
52.5°	14.3	15.3	17.0	16.6	13.8	10.5	8.7	7.2	7.1	6.9	6.9
50°	11.4	13.8	16.8	17.7	16.0	12.7	10.0	8.3	7.5	7.3	7.3
47.5°	11.0	13.2	15.4	18.6	17.8	14.6	11.6	9.5	7.8	7.6	7.8
45°	11.9	13.6	14.9	17.4	19.5	16.1	13.1	10.5	8.8	8.2	8.3
42.5°	13.5	15.0	16.0	16.3	18.5	17.2	14.3	11.6	9.7	8.8	8.8
40°	16.0	17.0	17.5	17.8	17.8	18.0	15.1	12.6	10.5	9.6	9.4
37.5°	18.9	19.6	19.8	20.4	18.4	17.8	15.7	13.4	11.7	10.6	10.1
35°	23.9	22.7	23.5	23.8	21.5	18.3	16.0	13.9	13.0	11.7	10.7
32.5°	29.8	28.3	28.8	27.8	25.3	19.2	16.5	15.4	14.5	12.7	11.4
30°	37.8	38.6	35.3	32.4	29.7	22.7	18.2	17.1	16.0	13.7	12.2
27.5°	52.9	51.3	43.6	38.5	34.0	27.4	21.8	19.1	17.6	14.7	13.0
25°	72.2	66.5	55.9	45.7	38.7	41.2	25.7	21.2	19.3	16.1	13.8
22.5°	97.8	84.1	69.9	53.7	59.0	59.4	33.6	24.5	21.0	17.4	14.6
20°	127.0	103.8	90.7	85.2	83.4	77.7	47.0	28.0	22.8	18.8	15.4
17.5°	164.7	145.0	141.1	124.1	110.3	97.6	62.8	31.6	24.7	20.2	16.1
15°	278.0	212.4	194.8	166.9	138.8	119.0	80.4	35.5	26.6	21.5	16.4
12.5°	425.3	282.0	251.1	212.5	168.6	141.4	99.3	39.3	28.5	22.2	16.2
10°	590.9	353.0	309.2	260.2	199.2	164.5	118.8	43.0	29.4	22.1	16.0
7.5°	767.2	424.5	368.2	308.7	229.0	186.0	138.2	46.5	30.2	22.0	15.7
5°	927.1	483.1	414.9	345.6	252.7	205.1	156.9	49.8	30.9	21.8	15.4
2.5°	996.7	520.1	452.4	378.7	275.4	223.2	174.1	52.9	31.5	21.4	15.0
0°	1047.4	554.3	487.6	409.1	296.8	240.2	189.0	55.7	32.0	21.0	14.6
-2.5°	998.9	548.8	479.8	407.8	303.8	243.7	189.7	64.4	38.3	24.8	16.2
-5°	935.1	540.5	470.0	403.9	308.9	245.8	187.9	72.5	44.3	28.3	17.6
-7.5°	879.4	519.7	455.7	396.8	311.9	246.4	184.2	79.8	49.8	31.5	18.9
-10°	808.5	491.1	434.9	380.3	307.5	245.0	179.3	86.3	54.7	34.4	20.1
-12.5°	715.8	461.7	413.9	364.0	300.9	242.1	175.0	92.4	59.1	36.7	21.0
-15°	600.1	432.0	393.0	348.8	293.4	238.3	170.0	97.8	63.6	39.1	21.6
-17.5°	463.1	402.6	372.7	335.5	285.4	233.7	164.7	102.0	67.4	41.6	22.7
-20°	422.4	381.8	353.7	324.7	276.9	228.5	159.4	104.9	70.3	43.5	23.8



REPORT NUMBER: P731308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	400.8	368.5	343.5	313.7	268.7	222.6	154.5	106.4	72.4	44.5	24.5
-25°	378.8	355.8	336.0	303.1	260.5	213.7	152.6	106.6	73.5	44.8	24.6
-27.5°	362.6	345.1	330.0	291.9	251.0	206.2	152.1	107.4	73.8	44.1	24.0
-30°	350.1	339.0	318.6	280.2	240.5	195.5	149.7	107.2	72.9	43.3	22.9
-32.5°	343.9	335.4	305.0	267.6	227.9	184.1	142.8	105.6	70.8	41.9	22.2
-35°	343.9	324.9	291.0	254.1	214.4	173.3	134.1	102.8	67.5	39.7	21.5
-37.5°	342.7	309.6	275.3	239.3	200.4	161.7	125.9	95.0	62.9	36.5	20.3
-40°	324.9	292.3	258.4	223.6	186.6	149.3	116.4	86.1	58.1	32.3	18.7
-42.5°	305.6	272.8	239.5	207.0	172.3	137.4	105.6	76.2	51.0	29.1	16.7
-45°	283.2	251.2	218.7	188.2	157.3	124.0	93.7	65.7	43.0	26.4	15.2
-47.5°	258.8	226.8	196.6	168.2	140.4	109.2	80.8	56.2	34.6	23.0	14.7
-50°	230.4	200.9	173.2	147.2	120.9	93.8	67.5	45.9	29.8	18.7	14.0
-52.5°	202.3	174.0	149.8	125.8	101.6	77.4	55.4	35.6	24.7	16.6	13.3
-55°	173.2	148.2	126.6	104.2	81.8	62.1	42.5	29.5	19.3	15.5	12.5
-57.5°	146.3	123.6	102.7	82.0	63.7	46.7	33.0	23.1	17.0	14.2	12.0
-60°	119.1	97.8	78.0	62.1	46.7	34.4	25.5	18.1	15.5	13.1	11.3
-62.5°	90.2	72.0	57.3	43.5	33.6	25.8	18.8	16.4	14.1	12.3	10.7
-65°	64.4	50.7	37.7	31.2	24.3	18.9	16.9	14.8	13.0	11.5	10.0
-67.5°	41.1	34.1	27.3	21.2	18.5	16.8	15.0	13.5	12.1	10.7	9.6
-70°	28.5	22.5	19.4	17.8	16.2	14.7	13.7	12.5	11.2	10.2	9.1
-72.5°	20.2	18.4	16.7	15.3	14.4	13.5	12.5	11.6	10.6	9.6	8.6
-75°	16.8	15.7	14.7	13.8	13.0	12.2	11.5	10.8	9.9	9.0	8.1
-77.5°	14.6	13.8	13.0	12.3	11.7	11.1	10.6	10.1	9.2	8.4	7.6
-80°	12.4	11.8	11.3	10.8	10.4	10.0	9.6	9.1	8.3	7.6	7.0
-82.5°	10.1	9.8	9.5	9.2	8.9	8.6	8.3	8.0	7.4	6.9	6.5
-85°	8.2	8.1	7.9	7.7	7.5	7.3	7.2	7.0	6.7	6.4	6.2
-87.5°	6.9	6.8	6.7	6.5	6.5	6.4	6.3	6.3	6.1	6.0	5.8
-90°	3.0	3.2	3.5	3.7	3.9	4.2	4.4	4.6	4.6	4.6	4.6



REPORT NUMBER: P731308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.5	5.3	5.1	4.8	4.6	4.6	4.6
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6
85°	4.6	4.6	4.6	4.6	4.6	4.6	4.6
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6
80°	4.6	4.6	4.6	4.6	4.6	4.6	4.6
77.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6
75°	4.6	4.7	4.6	4.6	4.6	4.6	4.6
72.5°	4.7	4.9	4.8	4.6	4.6	4.6	4.6
70°	4.8	5.0	5.0	4.6	4.6	4.6	4.6
67.5°	5.0	5.2	5.1	4.8	4.6	4.6	4.6
65°	5.3	5.3	5.3	5.0	4.6	4.6	4.6
62.5°	5.6	5.6	5.5	5.2	4.6	4.6	4.6
60°	5.8	5.8	5.7	5.4	4.6	4.6	4.6
57.5°	6.1	6.0	5.9	5.5	4.7	4.6	4.6
55°	6.4	6.2	6.1	5.7	4.8	4.6	4.6
52.5°	6.8	6.4	6.3	5.9	4.9	4.6	4.6
50°	7.1	6.7	6.4	6.1	5.1	4.6	4.6
47.5°	7.5	7.0	6.6	6.3	5.1	4.6	4.6
45°	7.9	7.4	6.8	6.4	5.2	4.6	4.6
42.5°	8.4	7.7	6.9	6.6	5.3	4.6	4.6
40°	8.9	8.0	7.1	6.6	5.4	4.6	4.6
37.5°	9.4	8.3	7.4	6.7	5.4	4.6	4.6
35°	10.0	8.7	7.6	6.7	5.5	4.6	4.6
32.5°	10.5	9.1	7.9	6.7	5.5	4.6	4.6
30°	11.1	9.6	8.1	6.7	5.6	4.6	4.6
27.5°	11.7	10.0	8.2	6.7	5.6	4.6	4.6
25°	12.3	10.4	8.2	6.7	5.6	4.6	4.6
22.5°	12.9	10.7	8.2	6.7	5.7	4.6	4.6
20°	13.5	10.7	8.2	6.7	5.7	4.6	4.6
17.5°	13.6	10.6	8.1	6.7	5.7	4.6	4.6
15°	13.3	10.5	8.1	6.7	5.7	4.6	4.6
12.5°	13.0	10.4	8.0	6.6	5.6	4.6	4.6
10°	12.7	10.2	7.9	6.6	5.6	4.6	4.6
7.5°	12.3	9.9	7.7	6.6	5.6	4.6	4.6
5°	11.9	9.7	7.6	6.5	5.6	4.6	4.6
2.5°	11.5	9.4	7.5	6.5	5.5	4.6	4.6
0°	11.0	9.1	7.3	6.4	5.5	4.6	4.6
-2.5°	11.5	9.2	7.4	6.4	5.5	4.6	4.6
-5°	11.9	9.3	7.4	6.4	5.5	4.6	4.6
-7.5°	12.3	9.3	7.5	6.4	5.5	4.7	4.6
-10°	12.6	9.4	7.5	6.4	5.5	4.7	4.6
-12.5°	12.9	9.4	7.6	6.3	5.5	4.7	4.6
-15°	13.0	9.4	7.6	6.3	5.5	4.7	4.6
-17.5°	13.1	9.4	7.6	6.3	5.4	4.7	4.6
-20°	13.2	9.3	7.6	6.2	5.4	4.7	4.6



REPORT NUMBER: P731308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	13.6	9.3	7.5	6.2	5.4	4.8	4.6
-25°	13.8	9.4	7.4	6.1	5.4	4.8	4.6
-27.5°	13.7	9.5	7.3	6.1	5.4	4.8	4.6
-30°	13.3	9.5	7.2	6.0	5.4	4.8	4.6
-32.5°	12.7	9.5	7.2	6.0	5.4	4.8	4.6
-35°	12.4	9.4	7.2	5.9	5.4	4.8	4.6
-37.5°	12.3	9.3	7.1	5.8	5.4	4.8	4.6
-40°	12.2	9.2	7.0	5.8	5.3	4.8	4.6
-42.5°	11.9	9.1	7.0	5.7	5.3	4.8	4.6
-45°	11.6	8.9	7.0	5.7	5.3	4.8	4.6
-47.5°	11.1	8.8	6.9	5.7	5.3	4.8	4.6
-50°	10.8	8.5	6.9	5.7	5.3	4.8	4.6
-52.5°	10.5	8.3	6.8	5.7	5.4	4.8	4.6
-55°	10.1	8.1	6.7	5.8	5.4	4.8	4.6
-57.5°	9.7	8.0	6.6	5.8	5.4	4.8	4.6
-60°	9.3	7.8	6.5	5.8	5.4	4.8	4.6
-62.5°	9.0	7.6	6.4	5.8	5.3	4.8	4.6
-65°	8.7	7.4	6.4	5.7	5.3	4.8	4.6
-67.5°	8.4	7.2	6.3	5.7	5.2	4.8	4.6
-70°	8.0	7.0	6.2	5.7	5.2	4.7	4.6
-72.5°	7.7	6.7	6.1	5.6	5.1	4.7	4.6
-75°	7.3	6.5	5.9	5.5	5.0	4.7	4.6
-77.5°	6.9	6.2	5.8	5.4	5.0	4.7	4.6
-80°	6.4	6.0	5.7	5.3	4.9	4.7	4.6
-82.5°	6.2	5.8	5.5	5.2	4.8	4.7	4.6
-85°	6.0	5.7	5.4	5.1	4.8	4.6	4.6
-87.5°	5.7	5.5	5.2	4.9	4.7	4.6	4.6
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6

(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

