

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: P731431 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-80-2S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731431 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-11)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-57-80-2S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 2S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

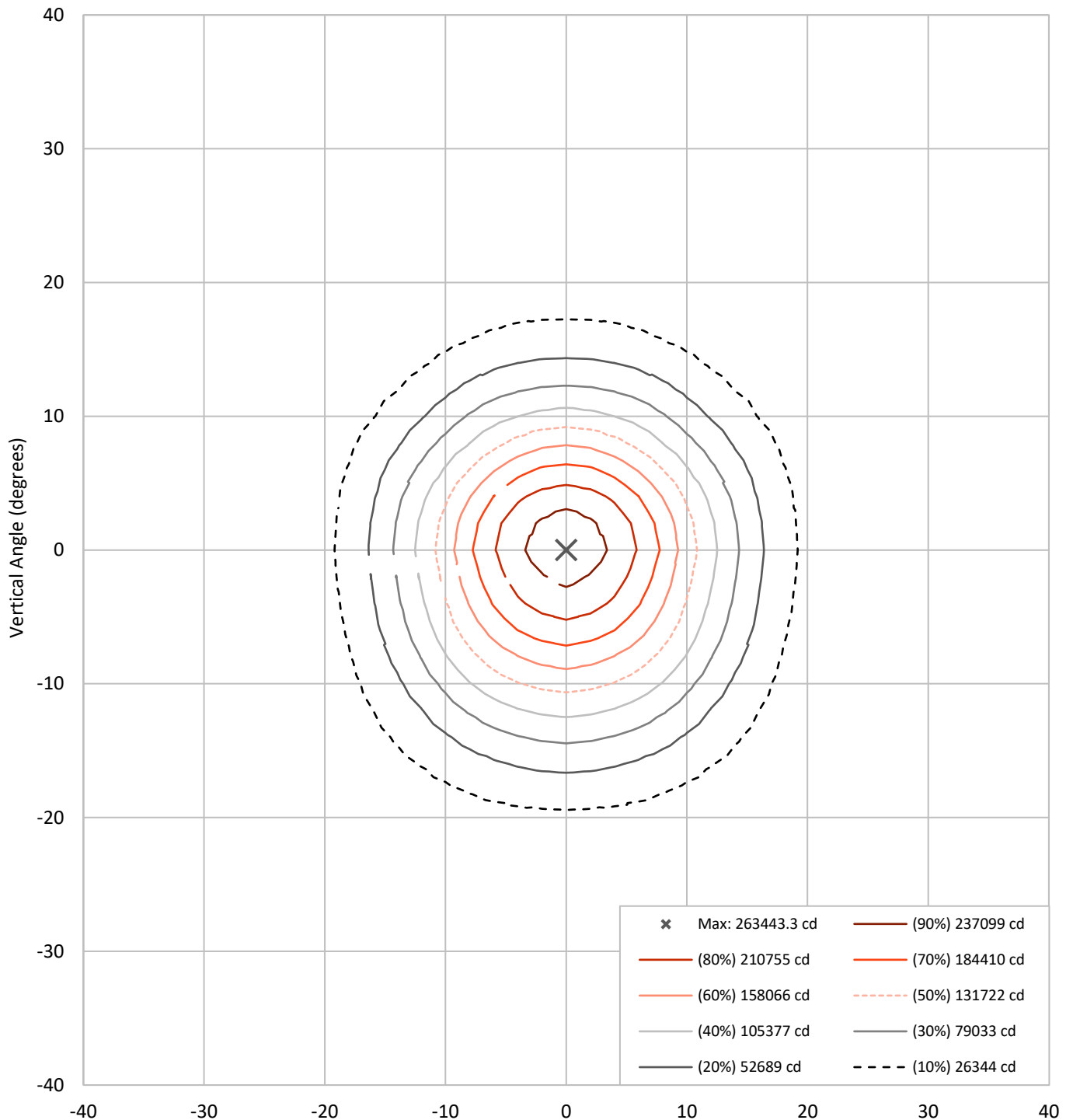
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	40781.6 lumens	Max Intensity:	263443.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	117.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.7°H x 19.8°V	Field Angle (10%):	38.4°H x 36.6°V
Beam Lumens:	18853 lumens	Field Lumens:	35169.6 lumens
Beam Efficiency:	46.2%	Field Efficiency:	86.2%

Input Watts (W): 348.5
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





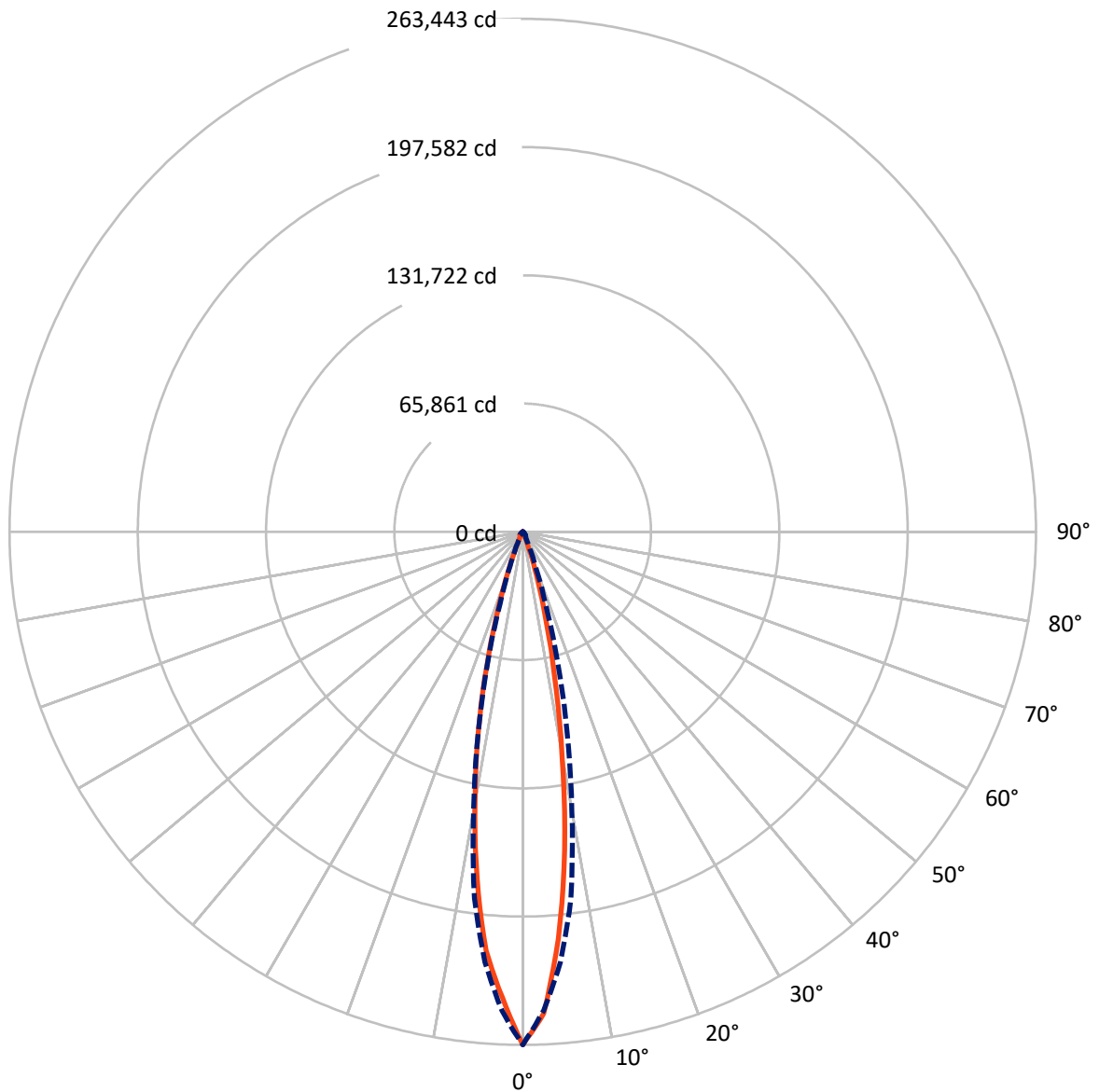
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Lumen Table

90	0.1	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.1									
80	0.1	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.1									
70	0.1	0.1	0.1	0.4	0.4	0.3	0.2	0.1	0.1	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	0.1	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	0.1			
40		0.1	0.5	1.1	2.4	3.8	4.6	5.3	5.3	4.6	3.8	2.4	1.1	0.5	0.1				
30	0.1	0.3	1.7	5.7	15.1	22.2	38.9	85.7	85.7	38.9	22.2	15.1	5.7	1.7	0.3	0.1			
20		0.6	3.8	14.7	34.7	67.8	421.5	1315.1	1315.1	421.5	67.8	34.7	14.7	3.8	0.6				
10	0.2	1.1	6.5	27.3	56.6	182.5	1722.5	5130.6	5130.6	1722.5	182.5	56.6	27.3	6.5	1.1	0.2			
0		1.7	8.5	32.0	63.5	183.2	1825.5	5349.1	5349.1	1825.5	183.2	63.5	32.0	8.5	1.7				
-10	0.3	2.0	8.7	29.6	62.6	104.7	672.1	1939.7	1939.7	672.1	104.7	62.6	29.6	8.7	2.0	0.3			
-20		1.9	7.4	17.7	44.5	65.5	102.3	200.3	200.3	102.3	65.5	44.5	17.7	7.4	1.9				
-30	0.3	1.6	5.4	11.0	24.6	47.1	61.1	67.1	67.1	61.1	47.1	24.6	11.0	5.4	1.6	0.3			
-40		1.1	3.7	8.2	13.9	23.1	40.0	54.1	54.1	40.0	23.1	13.9	8.2	3.7	1.1				
-50	0.2	0.5	2.2	5.3	9.7	14.5	18.5	20.8	20.8	18.5	14.5	9.7	5.3	2.2	0.5	0.2			
-60		0.2	0.8	2.5	5.1	8.3	11.7	13.8	13.8	11.7	8.3	5.1	2.5	0.8	0.2				
-70	0.1	0.6	1.9	4.7	6.9	4.7	1.9	0.6	0.1							0.1			
-80		0.1	0.6	1.9	4.7	6.9	4.7	1.9	0.6	0.1									
-90	0.1	0.6	1.9	4.7	6.9	4.7	1.9	0.6	0.1										

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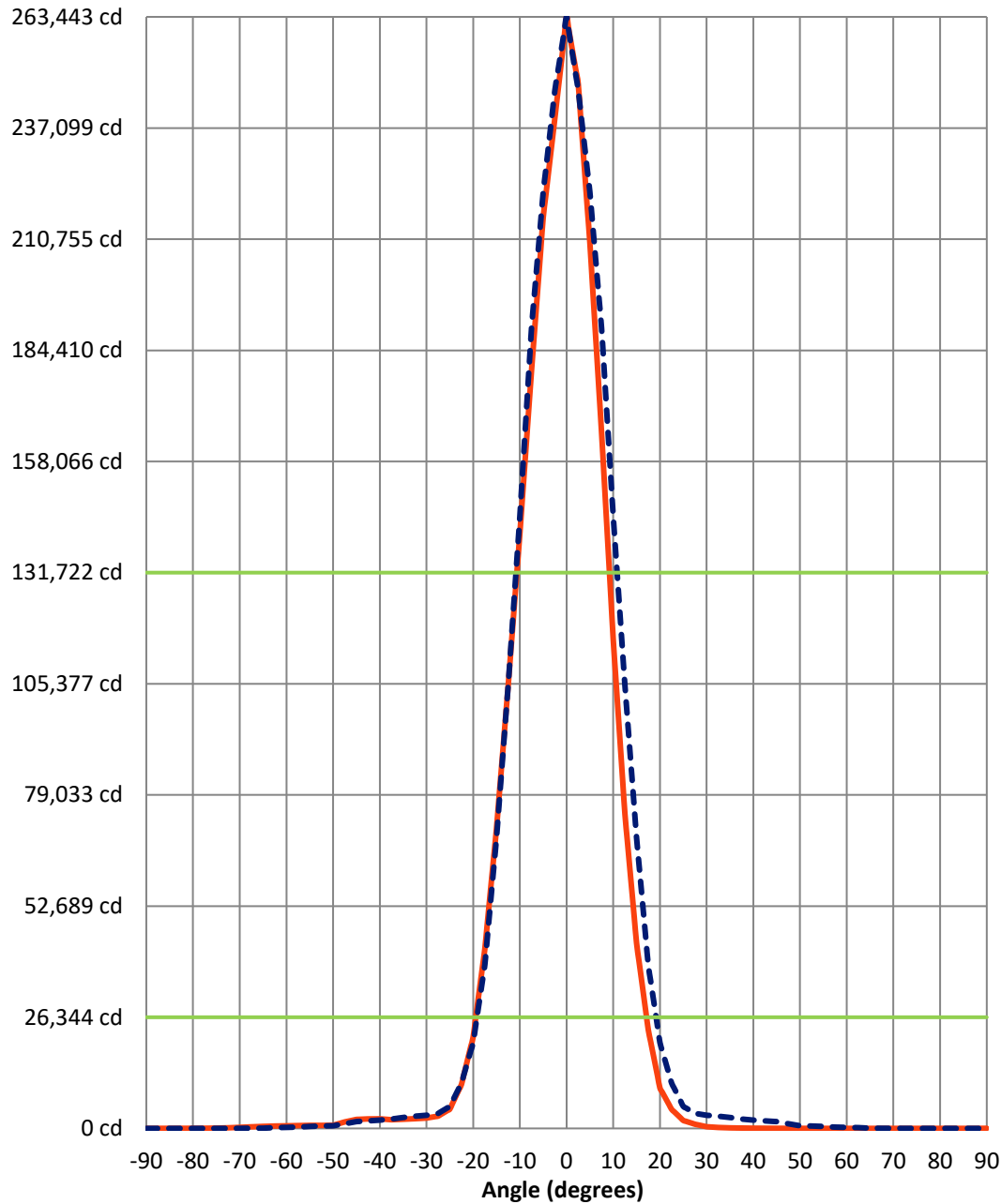
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 21.7°
V Angle: 19.8°
Lumens: 18853
Efficiency: 46.2%

Field:
H Angle: 38.4°
V Angle: 36.6°
Lumens: 35169.6
Efficiency: 86.2%

Spill:
Lumens: 5612
Efficiency: 13.8%

— 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	4.6	4.8	5.0	5.3	5.3	5.3	5.3	5.3
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.1	3.9	3.8	3.7
85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.1	4.1	4.1
82.5°	4.3	4.3	4.3	4.3	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	4.3	4.3	4.3	4.3
77.5°	4.3	4.3	4.3	4.3	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	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	4.5	4.8	4.8	4.6
60°	4.3	4.3	4.3	4.3	4.3	4.5	4.5	4.7	5.0	4.8	4.6
57.5°	4.3	4.3	4.3	4.3	4.4	4.6	4.7	5.0	5.1	4.9	4.7
55°	4.3	4.3	4.3	4.3	4.5	4.7	4.9	5.3	5.1	4.9	4.7
52.5°	4.3	4.3	4.3	4.3	4.6	4.8	5.0	5.3	5.2	5.0	4.8
50°	4.3	4.3	4.4	4.3	4.7	4.9	5.2	5.3	5.2	5.0	5.6
47.5°	4.3	4.3	4.4	4.3	4.8	5.0	5.3	5.3	5.3	5.1	6.4
45°	4.3	4.3	4.4	4.4	4.9	5.1	5.3	5.3	5.3	5.6	7.0
42.5°	4.3	4.3	4.5	4.5	5.1	5.2	5.3	5.3	5.4	6.0	7.8
40°	4.3	4.3	4.5	4.6	5.2	5.2	5.3	5.4	5.6	6.2	8.6
37.5°	4.3	4.3	4.5	4.7	5.2	5.3	5.3	5.5	6.1	6.9	9.3
35°	4.3	4.3	4.6	4.8	5.2	5.3	5.3	5.7	6.6	8.0	9.7
32.5°	4.3	4.3	4.6	4.9	5.3	5.3	5.3	5.8	7.1	9.2	10.6
30°	4.3	4.3	4.7	5.0	5.3	5.3	5.4	6.1	7.7	10.3	11.7
27.5°	4.3	4.3	4.7	5.1	5.3	5.3	5.6	6.5	8.4	11.6	12.9
25°	4.3	4.3	4.8	5.1	5.3	5.3	5.7	7.0	9.4	12.7	14.4
22.5°	4.3	4.3	4.8	5.2	5.3	5.3	5.8	7.5	10.4	13.8	17.1
20°	4.3	4.3	4.9	5.2	5.3	5.4	6.0	7.9	11.4	15.0	19.8
17.5°	4.3	4.3	4.9	5.2	5.3	5.5	6.2	8.4	12.3	16.3	22.2
15°	4.3	4.3	5.0	5.3	5.3	5.6	6.4	8.9	13.2	17.6	24.5
12.5°	4.3	4.3	5.0	5.3	5.3	5.7	6.6	9.3	14.1	18.9	26.6
10°	4.3	4.3	5.1	5.3	5.3	5.9	6.8	9.6	15.0	21.0	29.9
7.5°	4.3	4.3	5.2	5.3	5.3	6.0	6.9	9.9	15.9	23.2	35.9
5°	4.3	4.3	5.2	5.3	5.3	6.1	7.1	10.2	16.7	25.5	42.1
2.5°	4.3	4.3	5.3	5.3	5.3	6.3	7.3	10.4	17.5	27.7	48.3
0°	4.3	4.3	5.3	5.3	5.3	6.4	7.4	10.6	18.1	29.8	54.2
-2.5°	4.3	4.3	5.3	5.4	5.4	6.6	8.2	13.1	23.4	38.9	70.0
-5°	4.3	4.3	5.3	5.4	5.5	6.8	9.1	15.5	28.5	47.6	84.9
-7.5°	4.3	4.4	5.3	5.5	5.6	7.0	9.8	17.7	33.2	55.7	98.5
-10°	4.3	4.4	5.3	5.6	5.7	7.2	10.5	19.6	37.4	63.0	110.5
-12.5°	4.3	4.4	5.3	5.6	5.8	7.4	11.1	21.3	40.9	69.4	117.7
-15°	4.3	4.4	5.2	5.7	5.9	7.5	11.6	22.5	44.1	74.4	121.9
-17.5°	4.3	4.4	5.2	5.7	6.0	7.6	11.9	24.0	47.1	78.5	124.8
-20°	4.3	4.5	5.2	5.8	6.1	7.6	12.2	25.4	49.3	81.6	126.2



REPORT NUMBER: P731431 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-2S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.3	4.5	5.2	5.8	6.1	7.6	12.7	26.0	50.7	83.7	126.1
-25°	4.3	4.5	5.2	5.8	6.2	7.7	12.9	26.0	51.2	84.7	124.5
-27.5°	4.3	4.5	5.2	5.8	6.3	7.9	12.8	25.2	50.7	84.9	125.1
-30°	4.3	4.5	5.2	5.8	6.4	7.9	12.4	23.5	49.7	84.1	124.5
-32.5°	4.3	4.5	5.2	5.8	6.5	7.9	11.6	22.7	47.8	82.0	122.3
-35°	4.3	4.5	5.1	5.7	6.6	7.8	11.3	21.8	44.6	78.7	118.7
-37.5°	4.3	4.5	5.1	5.7	6.7	7.8	11.2	20.5	40.3	74.0	109.6
-40°	4.3	4.5	5.1	5.6	6.7	7.9	11.0	18.6	34.6	68.0	99.5
-42.5°	4.3	4.5	5.1	5.5	6.7	7.9	10.7	16.3	30.7	58.6	88.6
-45°	4.3	4.6	5.1	5.5	6.6	7.9	10.3	14.5	27.5	48.4	76.8
-47.5°	4.3	4.5	5.1	5.4	6.5	7.8	9.8	13.9	23.6	37.9	64.9
-50°	4.3	4.5	5.1	5.4	6.4	7.7	9.5	13.2	18.7	32.3	52.6
-52.5°	4.3	4.5	5.1	5.4	6.2	7.5	9.3	12.3	16.3	26.2	40.4
-55°	4.3	4.5	5.1	5.4	6.1	7.3	8.9	11.3	15.0	19.7	32.9
-57.5°	4.3	4.5	5.2	5.4	5.9	7.0	8.5	10.8	13.6	17.0	24.9
-60°	4.3	4.5	5.2	5.4	5.7	6.8	8.0	10.1	12.3	15.4	18.6
-62.5°	4.3	4.5	5.1	5.4	5.7	6.5	7.7	9.3	11.5	13.7	16.7
-65°	4.3	4.5	5.1	5.4	5.6	6.2	7.3	8.6	10.6	12.6	14.8
-67.5°	4.3	4.5	5.0	5.3	5.5	6.0	6.8	8.1	9.7	11.6	13.5
-70°	4.3	4.5	4.9	5.3	5.5	5.8	6.4	7.6	9.1	10.5	12.3
-72.5°	4.3	4.4	4.9	5.2	5.4	5.7	6.1	7.1	8.5	9.8	11.2
-75°	4.3	4.4	4.8	5.1	5.3	5.5	5.9	6.7	7.9	9.2	10.4
-77.5°	4.3	4.4	4.7	5.0	5.2	5.4	5.6	6.4	7.4	8.5	9.6
-80°	4.3	4.4	4.6	4.9	5.1	5.3	5.3	6.0	6.9	7.8	8.8
-82.5°	4.3	4.4	4.6	4.8	5.1	5.2	5.3	5.7	6.4	7.1	7.9
-85°	4.3	4.3	4.5	4.7	5.0	5.2	5.3	5.6	6.0	6.5	7.1
-87.5°	4.3	4.3	4.4	4.6	4.9	5.1	5.3	5.5	5.7	5.9	6.2
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.0	3.8	3.5	3.2



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 CATALOG NUMBER: EPH-LS-08-0320N-57-80-2S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	5.3	5.3	5.3	5.3	5.6	5.9	6.1	6.4	6.7	6.9	7.1
87.5°	3.6	3.5	3.3	3.2	3.2	3.2	3.2	3.2	2.9	2.7	2.4
85°	4.0	3.8	3.5	3.2	3.2	3.2	3.2	3.2	2.9	2.7	2.4
82.5°	4.0	3.8	3.5	3.2	3.2	3.2	3.2	3.2	3.0	2.7	2.4
80°	4.1	3.8	3.5	3.2	3.2	3.2	3.2	3.2	3.0	2.8	2.6
77.5°	4.1	3.8	3.5	3.3	3.2	3.4	3.6	3.8	3.7	3.6	3.5
75°	4.1	3.8	3.7	3.7	3.9	4.1	4.3	4.3	4.1	3.9	3.6
72.5°	4.2	4.1	4.1	4.3	4.3	4.3	4.3	4.3	4.8	5.5	6.0
70°	4.3	4.3	4.3	4.3	4.3	4.6	5.7	7.1	8.6	9.7	11.2
67.5°	4.3	4.3	4.3	4.4	5.2	6.4	8.1	12.3	17.1	18.6	18.6
65°	4.3	4.3	4.6	5.3	6.3	9.6	14.2	19.9	24.2	23.5	22.0
62.5°	4.3	4.5	5.0	6.6	9.5	13.8	18.3	22.4	26.5	25.8	22.4
60°	4.4	4.6	6.3	9.3	12.6	16.0	20.2	22.9	25.5	26.3	20.8
57.5°	4.4	5.5	8.5	11.7	14.6	17.0	18.7	21.0	22.5	22.9	17.1
55°	5.0	7.2	10.4	13.5	15.6	14.9	16.1	17.5	18.2	16.8	12.1
52.5°	6.4	8.8	12.0	14.6	14.8	13.7	13.4	14.1	13.0	11.1	9.6
50°	7.5	10.3	13.4	14.9	14.5	13.0	11.1	10.8	10.5	9.7	8.8
47.5°	8.7	11.8	14.4	15.4	14.3	13.0	10.7	10.5	10.5	11.1	10.5
45°	9.8	12.6	15.3	15.5	14.7	13.7	12.7	11.6	13.7	14.4	14.3
42.5°	10.9	13.1	15.5	15.8	16.2	16.0	15.7	16.8	18.1	19.2	19.6
40°	11.2	13.5	16.3	18.4	18.5	19.3	21.5	23.6	23.6	25.1	25.9
37.5°	11.3	14.8	18.7	23.4	22.0	24.6	28.3	33.8	34.6	31.4	35.9
35°	11.3	16.7	25.0	30.5	29.7	31.5	40.3	48.4	52.1	46.8	54.0
32.5°	12.4	19.1	33.1	38.9	44.3	46.3	54.8	70.9	79.9	83.2	89.2
30°	15.1	26.5	42.4	48.7	63.8	74.0	81.0	100.2	116.7	166.5	203.5
27.5°	18.5	35.7	51.7	66.1	88.4	105.9	121.0	140.7	201.1	291.9	386.3
25°	21.7	47.9	61.9	88.7	119.0	142.5	163.2	191.3	317.7	503.8	583.3
22.5°	28.2	62.0	78.1	114.1	152.4	180.1	210.3	286.0	456.9	736.5	769.3
20°	38.9	75.6	100.1	142.6	189.3	217.9	257.9	385.5	614.4	828.0	916.7
17.5°	50.4	90.4	124.4	176.3	232.8	265.2	312.0	481.4	750.1	940.3	1059.1
15°	62.4	106.2	147.6	213.1	278.9	323.6	420.3	613.0	857.3	1071.8	1245.1
12.5°	74.5	122.6	169.8	252.2	327.2	381.3	551.5	813.7	1036.9	1237.8	1473.0
10°	86.5	139.2	190.9	292.4	376.7	437.8	696.0	1017.7	1236.9	1433.4	1674.5
7.5°	110.5	161.5	213.0	332.4	426.6	493.0	847.1	1220.5	1420.3	1604.7	1841.3
5°	136.7	189.1	247.1	380.2	476.5	543.8	984.6	1416.5	1589.4	1755.7	1986.8
2.5°	162.3	215.3	280.0	426.0	524.2	587.9	1055.1	1524.1	1696.9	1871.5	2112.4
0°	186.0	240.2	311.4	467.7	568.7	629.3	1106.5	1614.6	1786.8	1968.6	2222.6
-2.5°	205.8	265.6	344.5	487.5	581.0	639.8	1089.6	1613.7	1820.3	2022.2	2285.1
-5°	222.3	289.3	375.1	503.9	590.9	648.5	1056.2	1588.3	1847.9	2065.1	2332.3
-7.5°	235.2	311.2	402.6	516.7	597.0	652.8	1041.4	1598.9	1897.4	2102.9	2363.0
-10°	242.3	319.9	404.6	516.1	598.1	653.8	1008.9	1577.0	1938.4	2136.4	2376.1
-12.5°	232.8	316.2	399.4	510.8	598.5	653.4	946.3	1519.0	1972.0	2168.4	2364.2
-15°	222.4	310.8	390.8	500.3	598.5	651.8	850.7	1422.6	1953.0	2111.2	2314.6
-17.5°	211.4	303.5	378.7	484.4	598.8	649.2	714.7	1215.6	1762.4	1990.2	2234.7
-20°	200.5	294.3	363.1	462.8	595.6	631.8	662.2	1005.5	1484.6	1836.3	2083.3



REPORT NUMBER: P731431 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	190.1	283.3	347.2	442.1	549.4	601.8	630.7	802.1	1198.6	1649.2	1857.3
-25°	184.4	267.0	333.4	410.6	501.2	570.6	595.5	631.0	946.0	1353.5	1650.9
-27.5°	181.5	252.8	314.9	379.1	456.6	533.1	560.1	591.0	751.3	1064.1	1434.2
-30°	176.8	234.7	295.4	350.5	419.7	485.2	524.4	559.8	603.4	838.4	1131.1
-32.5°	166.1	215.9	274.3	327.9	385.3	443.3	498.6	537.2	572.7	636.4	867.9
-35°	153.7	200.0	252.2	304.6	353.0	409.6	467.1	517.6	546.3	575.9	678.0
-37.5°	143.3	183.1	229.8	280.3	326.9	378.2	434.0	487.4	527.1	554.1	592.9
-40°	132.1	165.4	209.4	255.5	301.2	347.4	398.8	450.7	500.1	541.6	572.8
-42.5°	120.1	152.1	189.2	230.4	274.2	317.7	362.5	411.8	464.0	517.9	558.4
-45°	107.0	138.1	169.0	207.6	246.3	286.9	328.5	372.2	424.9	476.6	527.8
-47.5°	92.9	123.0	152.9	184.5	220.2	256.3	293.5	337.9	384.4	433.2	481.3
-50°	78.2	106.4	136.2	165.0	195.5	227.4	260.5	304.3	348.6	390.8	434.0
-52.5°	64.1	88.6	117.3	146.3	173.3	201.4	233.2	271.6	313.0	353.9	392.4
-55°	49.5	72.2	96.8	124.8	152.6	177.8	207.7	241.8	276.7	315.5	352.8
-57.5°	38.2	55.6	77.1	101.1	128.0	155.5	184.1	212.9	244.7	277.5	309.7
-60°	28.5	41.1	57.6	78.3	100.6	127.5	158.7	187.2	214.3	241.1	270.5
-62.5°	19.7	29.7	41.4	55.7	75.1	97.2	124.0	153.5	184.9	208.8	232.2
-65°	17.6	20.4	28.4	39.1	49.9	68.3	89.5	112.7	139.4	163.8	189.2
-67.5°	15.4	17.9	20.5	24.7	34.3	44.4	55.3	74.1	94.4	111.8	130.0
-70°	14.0	15.4	17.5	19.9	22.3	26.5	35.4	44.8	54.2	64.3	78.9
-72.5°	12.6	14.0	15.3	16.6	18.7	20.7	22.7	24.6	30.0	37.4	44.2
-75°	11.4	12.5	13.7	14.9	16.0	17.2	18.5	20.3	22.0	23.7	25.6
-77.5°	10.3	11.1	12.0	13.1	13.9	14.6	15.5	16.5	17.6	18.6	19.6
-80°	9.2	9.6	10.1	10.8	11.5	12.2	12.7	13.2	13.8	14.6	15.5
-82.5°	8.2	8.5	8.7	9.0	9.4	9.9	10.4	11.0	11.3	11.7	12.1
-85°	7.2	7.4	7.6	7.7	7.9	8.2	8.4	8.7	8.9	9.1	9.3
-87.5°	6.3	6.3	6.4	6.5	6.7	6.8	7.0	7.1	7.2	7.3	7.3
-90°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	2.9	2.7	2.4



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	7.4	7.4	7.4	7.4	7.4	9.0	10.6	12.2	13.8	16.2	18.6
87.5°	2.1	2.1	2.0	2.0	2.0	1.8	1.6	1.3	1.1	0.8	0.6
85°	2.1	2.1	2.1	2.1	2.1	1.9	1.6	1.4	1.1	1.1	1.1
82.5°	2.1	2.1	2.1	2.1	2.1	1.9	1.6	1.4	1.1	1.1	1.1
80°	2.4	2.4	2.4	2.3	2.1	1.9	1.6	1.4	1.1	1.1	1.1
77.5°	3.3	3.0	2.7	2.4	2.2	2.0	2.0	1.9	1.9	1.8	1.6
75°	3.3	3.2	3.3	3.1	2.8	2.6	2.5	2.3	2.1	2.1	2.1
72.5°	6.4	6.4	6.0	5.7	5.1	4.8	4.7	4.4	3.9	3.7	3.6
70°	11.7	11.4	11.0	10.1	8.6	7.4	6.7	6.0	5.3	5.1	5.1
67.5°	16.9	15.2	13.8	12.1	10.1	8.5	7.7	6.8	5.8	5.3	5.3
65°	19.6	16.0	13.6	11.8	10.5	9.0	7.6	6.3	5.2	4.6	4.8
62.5°	18.6	13.8	11.0	9.3	8.0	7.2	6.1	5.3	4.6	4.3	4.4
60°	15.4	10.3	7.8	6.9	6.1	5.4	5.0	4.6	4.0	3.6	3.7
57.5°	12.0	8.3	6.3	6.0	5.7	5.4	5.0	4.5	4.2	3.9	4.1
55°	9.0	7.4	6.4	6.5	6.3	5.8	5.2	5.2	5.1	4.9	5.1
52.5°	7.8	7.8	8.1	8.0	7.2	6.7	6.3	6.3	6.4	6.6	6.8
50°	8.9	9.2	9.1	8.3	8.2	7.9	7.4	7.9	8.5	8.7	9.0
47.5°	10.6	10.8	10.9	10.2	10.3	11.1	11.3	11.7	12.8	13.7	14.5
45°	13.7	14.8	15.1	15.5	15.8	17.4	18.2	18.6	21.9	23.5	23.7
42.5°	19.6	21.5	22.9	25.2	24.9	28.9	34.0	36.7	36.5	35.5	35.5
40°	28.8	31.9	38.9	42.6	46.7	51.3	51.8	46.2	46.2	52.0	51.7
37.5°	44.4	55.3	65.2	73.9	76.1	73.4	74.4	78.8	83.9	84.4	86.9
35°	74.8	96.8	101.9	108.7	116.1	109.1	108.2	115.1	112.8	124.7	133.3
32.5°	129.3	160.5	170.1	178.2	198.9	186.9	153.9	201.9	191.1	204.5	224.9
30°	205.7	267.2	308.5	320.9	326.1	327.5	358.5	386.1	407.8	436.9	478.1
27.5°	389.5	430.3	499.0	537.6	489.0	509.1	588.7	603.2	685.3	774.5	847.7
25°	592.3	638.1	760.4	775.8	735.2	809.7	886.8	902.8	1047.5	1152.5	1404.0
22.5°	775.6	852.3	983.2	1020.4	1054.2	1142.8	1232.3	1339.1	1665.1	2069.4	2803.1
20°	930.7	1016.3	1144.3	1247.7	1332.1	1445.1	1549.4	1913.9	2616.2	4152.3	5823.1
17.5°	1118.5	1171.5	1329.8	1468.0	1600.3	1762.2	2223.2	3143.7	5176.8	8523.8	11696.0
15°	1371.6	1477.0	1575.2	1724.8	1971.9	2442.9	3459.9	6458.2	10711.7	16549.8	23780.9
12.5°	1663.4	1808.8	1944.9	2071.9	2426.3	3537.4	6782.3	11981.7	19132.0	28510.2	42701.9
10°	1924.0	2146.1	2313.3	2534.7	3221.1	5381.9	10391.1	17741.8	30306.2	46876.6	65396.8
7.5°	2104.9	2368.9	2594.3	2923.5	4042.8	7703.5	14637.9	26085.0	43945.0	66272.6	91255.9
5°	2277.0	2574.7	2795.9	3200.9	4586.1	9316.2	17856.8	33039.4	57294.2	86797.0	118873.1
2.5°	2439.6	2756.4	2974.0	3449.4	4929.2	10051.2	19205.1	37362.8	65929.1	100875.2	138970.5
0°	2590.4	2890.1	3117.6	3566.1	5219.0	10756.9	20352.0	38756.8	68846.3	105020.2	145088.6
-2.5°	2562.2	2785.1	3036.9	3486.5	4943.2	10000.2	19015.3	37119.5	65421.5	100072.1	136928.2
-5°	2552.4	2733.1	2960.4	3368.0	4602.6	8640.8	16888.5	33422.7	59809.8	91037.0	125365.1
-7.5°	2559.9	2703.4	2881.1	3218.2	4191.3	7305.7	14683.8	28973.4	50768.4	77207.6	108207.3
-10°	2576.0	2687.0	2867.2	3163.7	3844.9	5839.3	11112.6	22322.7	39916.9	60945.9	85101.0
-12.5°	2603.8	2753.3	2934.2	3135.6	3496.7	4651.1	8739.8	17328.5	29513.3	44287.1	62667.1
-15°	2594.3	2787.0	2991.3	3115.7	3312.3	3954.9	5669.0	11441.8	20420.7	30219.0	41342.3
-17.5°	2524.4	2755.2	2845.0	2941.5	3061.1	3377.6	4334.3	6900.7	12013.6	18451.6	24709.7
-20°	2362.2	2478.9	2591.2	2706.4	2838.8	3013.5	3311.2	4310.9	5808.0	9461.2	12515.3



REPORT NUMBER: P731431 (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°	2057.7	2170.1	2267.4	2454.2	2587.9	2716.2	2880.1	3096.5	3672.3	4576.9	6080.2
-25°	1796.5	1865.8	2002.6	2220.8	2364.5	2441.3	2544.1	2626.1	2823.5	3033.7	3552.9
-27.5°	1587.7	1691.6	1860.2	2051.3	2189.0	2250.8	2304.9	2353.1	2477.1	2562.9	2710.4
-30°	1422.5	1590.7	1748.7	1923.6	2050.2	2123.7	2146.7	2216.3	2297.1	2358.5	2418.2
-32.5°	1185.6	1481.3	1625.1	1769.9	1913.0	2003.4	2065.3	2120.2	2196.1	2243.1	2266.7
-35°	930.5	1233.2	1516.3	1613.4	1717.4	1847.4	1953.1	2008.9	2058.8	2104.2	2132.8
-37.5°	702.2	950.2	1213.7	1450.7	1562.0	1659.3	1813.1	1906.2	1951.4	2019.1	2057.6
-40°	609.0	679.4	904.2	1126.1	1325.9	1547.3	1696.9	1840.5	1982.4	2069.4	2125.9
-42.5°	588.2	616.9	643.5	799.1	998.8	1199.4	1419.9	1663.5	1867.2	2020.6	2163.1
-45°	571.3	593.2	614.6	638.9	662.3	815.8	988.2	1169.8	1404.1	1631.0	1827.0
-47.5°	527.8	569.1	593.3	611.6	630.7	651.9	671.5	712.7	870.3	1037.8	1197.0
-50°	478.2	519.3	556.0	590.0	614.5	631.0	643.3	659.4	678.3	695.0	710.4
-52.5°	429.5	469.3	506.6	543.5	578.2	610.1	639.6	658.2	672.4	685.0	692.7
-55°	388.5	422.9	456.3	492.8	528.4	562.4	594.4	623.1	650.2	675.5	689.9
-57.5°	343.7	377.5	411.0	444.7	477.2	508.4	539.2	569.4	597.9	624.0	639.8
-60°	299.4	327.8	361.1	395.7	428.1	458.3	489.0	518.1	545.1	568.1	582.2
-62.5°	257.8	284.2	311.9	342.7	376.0	408.6	435.9	463.5	491.1	514.8	531.0
-65°	213.7	235.9	258.3	282.4	307.8	334.5	361.9	388.8	415.0	436.5	451.9
-67.5°	151.2	173.2	194.6	216.1	235.6	255.3	276.3	297.4	318.5	335.7	349.3
-70°	93.2	107.0	119.9	133.9	150.2	167.3	184.8	201.1	216.2	227.4	235.7
-72.5°	50.3	55.8	62.5	72.9	82.6	92.8	103.4	113.5	123.0	130.1	135.4
-75°	27.5	30.0	34.4	38.4	42.3	46.8	51.4	55.8	59.8	63.8	67.4
-77.5°	20.8	22.1	23.3	24.3	25.2	26.7	28.5	30.4	32.2	34.6	37.1
-80°	16.3	16.9	17.6	18.2	18.9	19.9	21.1	22.2	23.3	24.5	25.5
-82.5°	12.5	12.9	13.2	13.4	13.7	14.4	15.1	15.9	16.5	17.7	18.9
-85°	9.4	9.7	9.9	10.1	10.2	10.8	11.4	12.0	12.6	13.4	14.2
-87.5°	7.4	7.6	7.9	8.1	8.4	8.8	9.1	9.5	9.7	10.5	11.3
-90°	2.1	1.9	1.6	1.4	1.1	1.1	1.1	1.1	1.1	0.8	0.6



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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°	21.0	23.4	25.0	26.6	25.0	23.4	21.0	18.6	16.2	13.8	12.2
87.5°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.3
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
77.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.6	1.8	1.9	1.9
75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3
72.5°	3.4	3.2	3.2	3.2	3.2	3.2	3.4	3.6	3.7	3.9	4.4
70°	5.2	5.2	5.3	5.3	5.3	5.2	5.2	5.1	5.1	5.3	6.0
67.5°	5.3	5.3	4.8	4.3	4.8	5.3	5.3	5.3	5.3	5.8	6.8
65°	5.0	5.3	4.9	4.3	4.9	5.3	5.0	4.8	4.6	5.2	6.3
62.5°	4.4	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.3	4.6	5.3
60°	3.9	4.2	4.3	4.3	4.3	4.2	3.9	3.7	3.6	4.0	4.6
57.5°	4.2	4.3	4.7	5.3	4.7	4.3	4.2	4.1	3.9	4.2	4.5
55°	5.2	5.2	5.3	5.3	5.3	5.2	5.2	5.1	4.9	5.1	5.2
52.5°	7.1	7.3	7.4	7.4	7.4	7.3	7.1	6.8	6.6	6.4	6.3
50°	9.2	9.4	9.2	8.5	9.2	9.4	9.2	9.0	8.7	8.5	7.9
47.5°	15.2	15.6	15.5	14.9	15.5	15.6	15.2	14.5	13.7	12.8	11.7
45°	24.3	24.3	24.2	24.4	24.2	24.3	24.3	23.7	23.5	21.9	18.6
42.5°	36.4	36.7	36.9	37.2	36.9	36.7	36.4	35.5	35.5	36.5	36.7
40°	52.6	52.9	52.2	51.0	52.2	52.9	52.6	51.7	52.0	46.2	46.2
37.5°	91.3	93.4	92.9	91.4	92.9	93.4	91.3	86.9	84.4	83.9	78.8
35°	136.4	135.2	131.6	131.8	131.6	135.2	136.4	133.3	124.7	112.8	115.1
32.5°	213.0	220.7	223.1	224.3	223.1	220.7	213.0	224.9	204.5	191.1	201.9
30°	507.1	491.8	423.8	402.9	423.8	491.8	507.1	478.1	436.9	407.8	386.1
27.5°	900.9	949.4	993.8	998.1	993.8	949.4	900.9	847.7	774.5	685.3	603.2
25°	1663.7	1827.2	1896.0	1886.7	1896.0	1827.2	1663.7	1404.0	1152.5	1047.5	902.8
22.5°	3670.7	4228.5	4519.2	4529.2	4519.2	4228.5	3670.7	2803.1	2069.4	1665.1	1339.1
20°	8009.4	9355.5	9695.5	9594.1	9695.5	9355.5	8009.4	5823.1	4152.3	2616.2	1913.9
17.5°	16514.6	20496.8	23215.5	23402.7	23215.5	20496.8	16514.6	11696.0	8523.8	5176.8	3143.7
15°	32142.3	39462.5	43258.6	43903.5	43258.6	39462.5	32142.3	23780.9	16549.8	10711.7	6458.2
12.5°	56150.2	67292.0	73491.3	74552.2	73491.3	67292.0	56150.2	42701.9	28510.2	19132.0	11981.7
10°	85646.8	101187.0	111291.5	115852.5	111291.5	101187.0	85646.8	65396.8	46876.6	30306.2	17741.8
7.5°	115912.6	140395.0	160388.8	164921.9	160388.8	140395.0	115912.6	91255.9	66272.6	43945.0	26085.0
5°	153355.5	186182.5	205382.9	209817.1	205382.9	186182.5	153355.5	118873.1	86797.0	57294.2	33039.4
2.5°	181121.5	216416.1	236540.2	247599.2	236540.2	216416.1	181121.5	138970.5	100875.2	65929.1	37362.8
0°	189738.3	221853.8	246047.3	263443.3	246047.3	221853.8	189738.3	145088.6	105020.2	68846.3	38756.8
-2.5°	178075.2	212127.8	229682.8	239462.9	229682.8	212127.8	178075.2	136928.2	100072.1	65421.5	37119.5
-5°	159520.6	190822.5	209967.5	215869.5	209967.5	190822.5	159520.6	125365.1	91037.0	59809.8	33422.7
-7.5°	135211.5	158070.4	172408.2	179637.7	172408.2	158070.4	135211.5	108207.3	77207.6	50768.4	28973.4
-10°	108899.0	126247.8	136942.3	140942.1	136942.3	126247.8	108899.0	85101.0	60945.9	39916.9	22322.7
-12.5°	79761.7	93579.7	101795.7	104965.4	101795.7	93579.7	79761.7	62667.1	44287.1	29513.3	17328.5
-15°	52646.4	62607.2	68926.9	71133.8	68926.9	62607.2	52646.4	41342.3	30219.0	20420.7	11441.8
-17.5°	31908.9	37407.2	41498.3	42530.2	41498.3	37407.2	31908.9	24709.7	18451.6	12013.6	6900.7
-20°	16885.6	19359.9	20741.7	21676.4	20741.7	19359.9	16885.6	12515.3	9461.2	5808.0	4310.9



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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°	8005.1	9352.5	9973.6	10447.6	9973.6	9352.5	8005.1	6080.2	4576.9	3672.3	3096.5
-25°	4006.2	4284.9	4406.3	4575.9	4406.3	4284.9	4006.2	3552.9	3033.7	2823.5	2626.1
-27.5°	2810.0	2875.4	2901.2	2922.0	2901.2	2875.4	2810.0	2710.4	2562.9	2477.1	2353.1
-30°	2448.8	2459.5	2458.0	2456.4	2458.0	2459.5	2448.8	2418.2	2358.5	2297.1	2216.3
-32.5°	2292.1	2303.6	2302.7	2301.3	2302.7	2303.6	2292.1	2266.7	2243.1	2196.1	2120.2
-35°	2151.2	2166.2	2173.5	2176.9	2173.5	2166.2	2151.2	2132.8	2104.2	2058.8	2008.9
-37.5°	2079.0	2082.3	2073.8	2064.2	2073.8	2082.3	2079.0	2057.6	2019.1	1951.4	1906.2
-40°	2153.6	2204.1	2254.9	2270.4	2254.9	2204.1	2153.6	2125.9	2069.4	1982.4	1840.5
-42.5°	2210.0	2242.5	2257.1	2252.4	2257.1	2242.5	2210.0	2163.1	2020.6	1867.2	1663.5
-45°	1956.4	2057.0	2116.6	2131.2	2116.6	2057.0	1956.4	1827.0	1631.0	1404.1	1169.8
-47.5°	1330.5	1443.2	1514.1	1537.0	1514.1	1443.2	1330.5	1197.0	1037.8	870.3	712.7
-50°	725.2	739.4	744.1	739.8	744.1	739.4	725.2	710.4	695.0	678.3	659.4
-52.5°	700.4	708.8	714.3	717.5	714.3	708.8	700.4	692.7	685.0	672.4	658.2
-55°	702.3	713.1	719.0	721.7	719.0	713.1	702.3	689.9	675.5	650.2	623.1
-57.5°	653.8	666.0	671.8	673.9	671.8	666.0	653.8	639.8	624.0	597.9	569.4
-60°	595.0	606.6	611.1	612.3	611.1	606.6	595.0	582.2	568.1	545.1	518.1
-62.5°	546.0	559.7	565.5	567.6	565.5	559.7	546.0	531.0	514.8	491.1	463.5
-65°	465.5	477.1	481.0	481.5	481.0	477.1	465.5	451.9	436.5	415.0	388.8
-67.5°	361.5	372.0	375.7	376.3	375.7	372.0	361.5	349.3	335.7	318.5	297.4
-70°	242.4	247.4	249.5	249.8	249.5	247.4	242.4	235.7	227.4	216.2	201.1
-72.5°	139.5	142.6	143.6	143.5	143.6	142.6	139.5	135.4	130.1	123.0	113.5
-75°	70.7	73.5	74.2	74.4	74.2	73.5	70.7	67.4	63.8	59.8	55.8
-77.5°	39.6	42.1	42.4	42.5	42.4	42.1	39.6	37.1	34.6	32.2	30.4
-80°	26.5	27.5	27.6	27.6	27.6	27.5	26.5	25.5	24.5	23.3	22.2
-82.5°	20.1	21.2	21.3	21.3	21.3	21.2	20.1	18.9	17.7	16.5	15.9
-85°	15.1	15.9	16.4	17.0	16.4	15.9	15.1	14.2	13.4	12.6	12.0
-87.5°	12.1	12.8	13.3	13.8	13.3	12.8	12.1	11.3	10.5	9.7	9.5
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.1	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°	10.6	9.0	7.4	7.4	7.4	7.4	7.4	7.1	6.9	6.7	6.4
87.5°	1.6	1.8	2.0	2.0	2.0	2.1	2.1	2.4	2.7	2.9	3.2
85°	1.6	1.9	2.1	2.1	2.1	2.1	2.1	2.4	2.7	2.9	3.2
82.5°	1.6	1.9	2.1	2.1	2.1	2.1	2.1	2.4	2.7	3.0	3.2
80°	1.6	1.9	2.1	2.3	2.4	2.4	2.4	2.6	2.8	3.0	3.2
77.5°	2.0	2.0	2.2	2.4	2.7	3.0	3.3	3.5	3.6	3.7	3.8
75°	2.5	2.6	2.8	3.1	3.3	3.2	3.3	3.6	3.9	4.1	4.3
72.5°	4.7	4.8	5.1	5.7	6.0	6.4	6.4	6.0	5.5	4.8	4.3
70°	6.7	7.4	8.6	10.1	11.0	11.4	11.7	11.2	9.7	8.6	7.1
67.5°	7.7	8.5	10.1	12.1	13.8	15.2	16.9	18.6	18.6	17.1	12.3
65°	7.6	9.0	10.5	11.8	13.6	16.0	19.6	22.0	23.5	24.2	19.9
62.5°	6.1	7.2	8.0	9.3	11.0	13.8	18.6	22.4	25.8	26.5	22.4
60°	5.0	5.4	6.1	6.9	7.8	10.3	15.4	20.8	26.3	25.5	22.9
57.5°	5.0	5.4	5.7	6.0	6.3	8.3	12.0	17.1	22.9	22.5	21.0
55°	5.2	5.8	6.3	6.5	6.4	7.4	9.0	12.1	16.8	18.2	17.5
52.5°	6.3	6.7	7.2	8.0	8.1	7.8	7.8	9.6	11.1	13.0	14.1
50°	7.4	7.9	8.2	8.3	9.1	9.2	8.9	8.8	9.7	10.5	10.8
47.5°	11.3	11.1	10.3	10.2	10.9	10.8	10.6	10.5	11.1	10.5	10.5
45°	18.2	17.4	15.8	15.5	15.1	14.8	13.7	14.3	14.4	13.7	11.6
42.5°	34.0	28.9	24.9	25.2	22.9	21.5	19.6	19.6	19.2	18.1	16.8
40°	51.8	51.3	46.7	42.6	38.9	31.9	28.8	25.9	25.1	23.6	23.6
37.5°	74.4	73.4	76.1	73.9	65.2	55.3	44.4	35.9	31.4	34.6	33.8
35°	108.2	109.1	116.1	108.7	101.9	96.8	74.8	54.0	46.8	52.1	48.4
32.5°	153.9	186.9	198.9	178.2	170.1	160.5	129.3	89.2	83.2	79.9	70.9
30°	358.5	327.5	326.1	320.9	308.5	267.2	205.7	203.5	166.5	116.7	100.2
27.5°	588.7	509.1	489.0	537.6	499.0	430.3	389.5	386.3	291.9	201.1	140.7
25°	886.8	809.7	735.2	775.8	760.4	638.1	592.3	583.3	503.8	317.7	191.3
22.5°	1232.3	1142.8	1054.2	1020.4	983.2	852.3	775.6	769.3	736.5	456.9	286.0
20°	1549.4	1445.1	1332.1	1247.7	1144.3	1016.3	930.7	916.7	828.0	614.4	385.5
17.5°	2223.2	1762.2	1600.3	1468.0	1329.8	1171.5	1118.5	1059.1	940.3	750.1	481.4
15°	3459.9	2442.9	1971.9	1724.8	1575.2	1477.0	1371.6	1245.1	1071.8	857.3	613.0
12.5°	6782.3	3537.4	2426.3	2071.9	1944.9	1808.8	1663.4	1473.0	1237.8	1036.9	813.7
10°	10391.1	5381.9	3221.1	2534.7	2313.3	2146.1	1924.0	1674.5	1433.4	1236.9	1017.7
7.5°	14637.9	7703.5	4042.8	2923.5	2594.3	2368.9	2104.9	1841.3	1604.7	1420.3	1220.5
5°	17856.8	9316.2	4586.1	3200.9	2795.9	2574.7	2277.0	1986.8	1755.7	1589.4	1416.5
2.5°	19205.1	10051.2	4929.2	3449.4	2974.0	2756.4	2439.6	2112.4	1871.5	1696.9	1524.1
0°	20352.0	10756.9	5219.0	3566.1	3117.6	2890.1	2590.4	2222.6	1968.6	1786.8	1614.6
-2.5°	19015.3	10000.2	4943.2	3486.5	3036.9	2785.1	2562.2	2285.1	2022.2	1820.3	1613.7
-5°	16888.5	8640.8	4602.6	3368.0	2960.4	2733.1	2552.4	2332.3	2065.1	1847.9	1588.3
-7.5°	14683.8	7305.7	4191.3	3218.2	2881.1	2703.4	2559.9	2363.0	2102.9	1897.4	1598.9
-10°	11112.6	5839.3	3844.9	3163.7	2867.2	2687.0	2576.0	2376.1	2136.4	1938.4	1577.0
-12.5°	8739.8	4651.1	3496.7	3135.6	2934.2	2753.3	2603.8	2364.2	2168.4	1972.0	1519.0
-15°	5669.0	3954.9	3312.3	3115.7	2991.3	2787.0	2594.3	2314.6	2111.2	1953.0	1422.6
-17.5°	4334.3	3377.6	3061.1	2941.5	2845.0	2755.2	2524.4	2234.7	1990.2	1762.4	1215.6
-20°	3311.2	3013.5	2838.8	2706.4	2591.2	2478.9	2362.2	2083.3	1836.3	1484.6	1005.5



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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°	2880.1	2716.2	2587.9	2454.2	2267.4	2170.1	2057.7	1857.3	1649.2	1198.6	802.1
-25°	2544.1	2441.3	2364.5	2220.8	2002.6	1865.8	1796.5	1650.9	1353.5	946.0	631.0
-27.5°	2304.9	2250.8	2189.0	2051.3	1860.2	1691.6	1587.7	1434.2	1064.1	751.3	591.0
-30°	2146.7	2123.7	2050.2	1923.6	1748.7	1590.7	1422.5	1131.1	838.4	603.4	559.8
-32.5°	2065.3	2003.4	1913.0	1769.9	1625.1	1481.3	1185.6	867.9	636.4	572.7	537.2
-35°	1953.1	1847.4	1717.4	1613.4	1516.3	1233.2	930.5	678.0	575.9	546.3	517.6
-37.5°	1813.1	1659.3	1562.0	1450.7	1213.7	950.2	702.2	592.9	554.1	527.1	487.4
-40°	1696.9	1547.3	1325.9	1126.1	904.2	679.4	609.0	572.8	541.6	500.1	450.7
-42.5°	1419.9	1199.4	998.8	799.1	643.5	616.9	588.2	558.4	517.9	464.0	411.8
-45°	988.2	815.8	662.3	638.9	614.6	593.2	571.3	527.8	476.6	424.9	372.2
-47.5°	671.5	651.9	630.7	611.6	593.3	569.1	527.8	481.3	433.2	384.4	337.9
-50°	643.3	631.0	614.5	590.0	556.0	519.3	478.2	434.0	390.8	348.6	304.3
-52.5°	639.6	610.1	578.2	543.5	506.6	469.3	429.5	392.4	353.9	313.0	271.6
-55°	594.4	562.4	528.4	492.8	456.3	422.9	388.5	352.8	315.5	276.7	241.8
-57.5°	539.2	508.4	477.2	444.7	411.0	377.5	343.7	309.7	277.5	244.7	212.9
-60°	489.0	458.3	428.1	395.7	361.1	327.8	299.4	270.5	241.1	214.3	187.2
-62.5°	435.9	408.6	376.0	342.7	311.9	284.2	257.8	232.2	208.8	184.9	153.5
-65°	361.9	334.5	307.8	282.4	258.3	235.9	213.7	189.2	163.8	139.4	112.7
-67.5°	276.3	255.3	235.6	216.1	194.6	173.2	151.2	130.0	111.8	94.4	74.1
-70°	184.8	167.3	150.2	133.9	119.9	107.0	93.2	78.9	64.3	54.2	44.8
-72.5°	103.4	92.8	82.6	72.9	62.5	55.8	50.3	44.2	37.4	30.0	24.6
-75°	51.4	46.8	42.3	38.4	34.4	30.0	27.5	25.6	23.7	22.0	20.3
-77.5°	28.5	26.7	25.2	24.3	23.3	22.1	20.8	19.6	18.6	17.6	16.5
-80°	21.1	19.9	18.9	18.2	17.6	16.9	16.3	15.5	14.6	13.8	13.2
-82.5°	15.1	14.4	13.7	13.4	13.2	12.9	12.5	12.1	11.7	11.3	11.0
-85°	11.4	10.8	10.2	10.1	9.9	9.7	9.4	9.3	9.1	8.9	8.7
-87.5°	9.1	8.8	8.4	8.1	7.9	7.6	7.4	7.3	7.3	7.2	7.1
-90°	1.1	1.1	1.1	1.4	1.6	1.9	2.1	2.4	2.7	2.9	3.2



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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°	6.1	5.9	5.6	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
87.5°	3.2	3.2	3.2	3.2	3.3	3.5	3.6	3.7	3.8	3.9	4.1
85°	3.2	3.2	3.2	3.2	3.5	3.8	4.0	4.1	4.1	4.1	4.2
82.5°	3.2	3.2	3.2	3.2	3.5	3.8	4.0	4.3	4.3	4.3	4.3
80°	3.2	3.2	3.2	3.2	3.5	3.8	4.1	4.3	4.3	4.3	4.3
77.5°	3.6	3.4	3.2	3.3	3.5	3.8	4.1	4.3	4.3	4.3	4.3
75°	4.3	4.1	3.9	3.7	3.7	3.8	4.1	4.3	4.3	4.3	4.3
72.5°	4.3	4.3	4.3	4.3	4.1	4.1	4.2	4.3	4.3	4.3	4.3
70°	5.7	4.6	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
67.5°	8.1	6.4	5.2	4.4	4.3	4.3	4.3	4.4	4.4	4.3	4.3
65°	14.2	9.6	6.3	5.3	4.6	4.3	4.3	4.5	4.6	4.5	4.3
62.5°	18.3	13.8	9.5	6.6	5.0	4.5	4.3	4.6	4.8	4.8	4.5
60°	20.2	16.0	12.6	9.3	6.3	4.6	4.4	4.6	4.8	5.0	4.7
57.5°	18.7	17.0	14.6	11.7	8.5	5.5	4.4	4.7	4.9	5.1	5.0
55°	16.1	14.9	15.6	13.5	10.4	7.2	5.0	4.7	4.9	5.1	5.3
52.5°	13.4	13.7	14.8	14.6	12.0	8.8	6.4	4.8	5.0	5.2	5.3
50°	11.1	13.0	14.5	14.9	13.4	10.3	7.5	5.6	5.0	5.2	5.3
47.5°	10.7	13.0	14.3	15.4	14.4	11.8	8.7	6.4	5.1	5.3	5.3
45°	12.7	13.7	14.7	15.5	15.3	12.6	9.8	7.0	5.6	5.3	5.3
42.5°	15.7	16.0	16.2	15.8	15.5	13.1	10.9	7.8	6.0	5.4	5.3
40°	21.5	19.3	18.5	18.4	16.3	13.5	11.2	8.6	6.2	5.6	5.4
37.5°	28.3	24.6	22.0	23.4	18.7	14.8	11.3	9.3	6.9	6.1	5.5
35°	40.3	31.5	29.7	30.5	25.0	16.7	11.3	9.7	8.0	6.6	5.7
32.5°	54.8	46.3	44.3	38.9	33.1	19.1	12.4	10.6	9.2	7.1	5.8
30°	81.0	74.0	63.8	48.7	42.4	26.5	15.1	11.7	10.3	7.7	6.1
27.5°	121.0	105.9	88.4	66.1	51.7	35.7	18.5	12.9	11.6	8.4	6.5
25°	163.2	142.5	119.0	88.7	61.9	47.9	21.7	14.4	12.7	9.4	7.0
22.5°	210.3	180.1	152.4	114.1	78.1	62.0	28.2	17.1	13.8	10.4	7.5
20°	257.9	217.9	189.3	142.6	100.1	75.6	38.9	19.8	15.0	11.4	7.9
17.5°	312.0	265.2	232.8	176.3	124.4	90.4	50.4	22.2	16.3	12.3	8.4
15°	420.3	323.6	278.9	213.1	147.6	106.2	62.4	24.5	17.6	13.2	8.9
12.5°	551.5	381.3	327.2	252.2	169.8	122.6	74.5	26.6	18.9	14.1	9.3
10°	696.0	437.8	376.7	292.4	190.9	139.2	86.5	29.9	21.0	15.0	9.6
7.5°	847.1	493.0	426.6	332.4	213.0	161.5	110.5	35.9	23.2	15.9	9.9
5°	984.6	543.8	476.5	380.2	247.1	189.1	136.7	42.1	25.5	16.7	10.2
2.5°	1055.1	587.9	524.2	426.0	280.0	215.3	162.3	48.3	27.7	17.5	10.4
0°	1106.5	629.3	568.7	467.7	311.4	240.2	186.0	54.2	29.8	18.1	10.6
-2.5°	1089.6	639.8	581.0	487.5	344.5	265.6	205.8	70.0	38.9	23.4	13.1
-5°	1056.2	648.5	590.9	503.9	375.1	289.3	222.3	84.9	47.6	28.5	15.5
-7.5°	1041.4	652.8	597.0	516.7	402.6	311.2	235.2	98.5	55.7	33.2	17.7
-10°	1008.9	653.8	598.1	516.1	404.6	319.9	242.3	110.5	63.0	37.4	19.6
-12.5°	946.3	653.4	598.5	510.8	399.4	316.2	232.8	117.7	69.4	40.9	21.3
-15°	850.7	651.8	598.5	500.3	390.8	310.8	222.4	121.9	74.4	44.1	22.5
-17.5°	714.7	649.2	598.8	484.4	378.7	303.5	211.4	124.8	78.5	47.1	24.0
-20°	662.2	631.8	595.6	462.8	363.1	294.3	200.5	126.2	81.6	49.3	25.4



REPORT NUMBER: P731431 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-2S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	630.7	601.8	549.4	442.1	347.2	283.3	190.1	126.1	83.7	50.7	26.0
-25°	595.5	570.6	501.2	410.6	333.4	267.0	184.4	124.5	84.7	51.2	26.0
-27.5°	560.1	533.1	456.6	379.1	314.9	252.8	181.5	125.1	84.9	50.7	25.2
-30°	524.4	485.2	419.7	350.5	295.4	234.7	176.8	124.5	84.1	49.7	23.5
-32.5°	498.6	443.3	385.3	327.9	274.3	215.9	166.1	122.3	82.0	47.8	22.7
-35°	467.1	409.6	353.0	304.6	252.2	200.0	153.7	118.7	78.7	44.6	21.8
-37.5°	434.0	378.2	326.9	280.3	229.8	183.1	143.3	109.6	74.0	40.3	20.5
-40°	398.8	347.4	301.2	255.5	209.4	165.4	132.1	99.5	68.0	34.6	18.6
-42.5°	362.5	317.7	274.2	230.4	189.2	152.1	120.1	88.6	58.6	30.7	16.3
-45°	328.5	286.9	246.3	207.6	169.0	138.1	107.0	76.8	48.4	27.5	14.5
-47.5°	293.5	256.3	220.2	184.5	152.9	123.0	92.9	64.9	37.9	23.6	13.9
-50°	260.5	227.4	195.5	165.0	136.2	106.4	78.2	52.6	32.3	18.7	13.2
-52.5°	233.2	201.4	173.3	146.3	117.3	88.6	64.1	40.4	26.2	16.3	12.3
-55°	207.7	177.8	152.6	124.8	96.8	72.2	49.5	32.9	19.7	15.0	11.3
-57.5°	184.1	155.5	128.0	101.1	77.1	55.6	38.2	24.9	17.0	13.6	10.8
-60°	158.7	127.5	100.6	78.3	57.6	41.1	28.5	18.6	15.4	12.3	10.1
-62.5°	124.0	97.2	75.1	55.7	41.4	29.7	19.7	16.7	13.7	11.5	9.3
-65°	89.5	68.3	49.9	39.1	28.4	20.4	17.6	14.8	12.6	10.6	8.6
-67.5°	55.3	44.4	34.3	24.7	20.5	17.9	15.4	13.5	11.6	9.7	8.1
-70°	35.4	26.5	22.3	19.9	17.5	15.4	14.0	12.3	10.5	9.1	7.6
-72.5°	22.7	20.7	18.7	16.6	15.3	14.0	12.6	11.2	9.8	8.5	7.1
-75°	18.5	17.2	16.0	14.9	13.7	12.5	11.4	10.4	9.2	7.9	6.7
-77.5°	15.5	14.6	13.9	13.1	12.0	11.1	10.3	9.6	8.5	7.4	6.4
-80°	12.7	12.2	11.5	10.8	10.1	9.6	9.2	8.8	7.8	6.9	6.0
-82.5°	10.4	9.9	9.4	9.0	8.7	8.5	8.2	7.9	7.1	6.4	5.7
-85°	8.4	8.2	7.9	7.7	7.6	7.4	7.2	7.1	6.5	6.0	5.6
-87.5°	7.0	6.8	6.7	6.5	6.4	6.3	6.3	6.2	5.9	5.7	5.5
-90°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.5	3.8	4.0



REPORT NUMBER: P731431 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.3	5.0	4.8	4.6	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°	4.7	4.6	4.4	4.3	4.3	4.3	4.3
55°	4.9	4.7	4.5	4.3	4.3	4.3	4.3
52.5°	5.0	4.8	4.6	4.3	4.3	4.3	4.3
50°	5.2	4.9	4.7	4.3	4.4	4.3	4.3
47.5°	5.3	5.0	4.8	4.3	4.4	4.3	4.3
45°	5.3	5.1	4.9	4.4	4.4	4.3	4.3
42.5°	5.3	5.2	5.1	4.5	4.5	4.3	4.3
40°	5.3	5.2	5.2	4.6	4.5	4.3	4.3
37.5°	5.3	5.3	5.2	4.7	4.5	4.3	4.3
35°	5.3	5.3	5.2	4.8	4.6	4.3	4.3
32.5°	5.3	5.3	5.3	4.9	4.6	4.3	4.3
30°	5.4	5.3	5.3	5.0	4.7	4.3	4.3
27.5°	5.6	5.3	5.3	5.1	4.7	4.3	4.3
25°	5.7	5.3	5.3	5.1	4.8	4.3	4.3
22.5°	5.8	5.3	5.3	5.2	4.8	4.3	4.3
20°	6.0	5.4	5.3	5.2	4.9	4.3	4.3
17.5°	6.2	5.5	5.3	5.2	4.9	4.3	4.3
15°	6.4	5.6	5.3	5.3	5.0	4.3	4.3
12.5°	6.6	5.7	5.3	5.3	5.0	4.3	4.3
10°	6.8	5.9	5.3	5.3	5.1	4.3	4.3
7.5°	6.9	6.0	5.3	5.3	5.2	4.3	4.3
5°	7.1	6.1	5.3	5.3	5.2	4.3	4.3
2.5°	7.3	6.3	5.3	5.3	5.3	4.3	4.3
0°	7.4	6.4	5.3	5.3	5.3	4.3	4.3
-2.5°	8.2	6.6	5.4	5.4	5.3	4.3	4.3
-5°	9.1	6.8	5.5	5.4	5.3	4.3	4.3
-7.5°	9.8	7.0	5.6	5.5	5.3	4.4	4.3
-10°	10.5	7.2	5.7	5.6	5.3	4.4	4.3
-12.5°	11.1	7.4	5.8	5.6	5.3	4.4	4.3
-15°	11.6	7.5	5.9	5.7	5.2	4.4	4.3
-17.5°	11.9	7.6	6.0	5.7	5.2	4.4	4.3
-20°	12.2	7.6	6.1	5.8	5.2	4.5	4.3



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 CATALOG NUMBER: EPH-LS-08-0320N-57-80-2S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	12.7	7.6	6.1	5.8	5.2	4.5	4.3
-25°	12.9	7.7	6.2	5.8	5.2	4.5	4.3
-27.5°	12.8	7.9	6.3	5.8	5.2	4.5	4.3
-30°	12.4	7.9	6.4	5.8	5.2	4.5	4.3
-32.5°	11.6	7.9	6.5	5.8	5.2	4.5	4.3
-35°	11.3	7.8	6.6	5.7	5.1	4.5	4.3
-37.5°	11.2	7.8	6.7	5.7	5.1	4.5	4.3
-40°	11.0	7.9	6.7	5.6	5.1	4.5	4.3
-42.5°	10.7	7.9	6.7	5.5	5.1	4.5	4.3
-45°	10.3	7.9	6.6	5.5	5.1	4.6	4.3
-47.5°	9.8	7.8	6.5	5.4	5.1	4.5	4.3
-50°	9.5	7.7	6.4	5.4	5.1	4.5	4.3
-52.5°	9.3	7.5	6.2	5.4	5.1	4.5	4.3
-55°	8.9	7.3	6.1	5.4	5.1	4.5	4.3
-57.5°	8.5	7.0	5.9	5.4	5.2	4.5	4.3
-60°	8.0	6.8	5.7	5.4	5.2	4.5	4.3
-62.5°	7.7	6.5	5.7	5.4	5.1	4.5	4.3
-65°	7.3	6.2	5.6	5.4	5.1	4.5	4.3
-67.5°	6.8	6.0	5.5	5.3	5.0	4.5	4.3
-70°	6.4	5.8	5.5	5.3	4.9	4.5	4.3
-72.5°	6.1	5.7	5.4	5.2	4.9	4.4	4.3
-75°	5.9	5.5	5.3	5.1	4.8	4.4	4.3
-77.5°	5.6	5.4	5.2	5.0	4.7	4.4	4.3
-80°	5.3	5.3	5.1	4.9	4.6	4.4	4.3
-82.5°	5.3	5.2	5.1	4.8	4.6	4.4	4.3
-85°	5.3	5.2	5.0	4.7	4.5	4.3	4.3
-87.5°	5.3	5.1	4.9	4.6	4.4	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

