

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: P731430 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-80-2S-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731430 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-13)
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-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 2S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

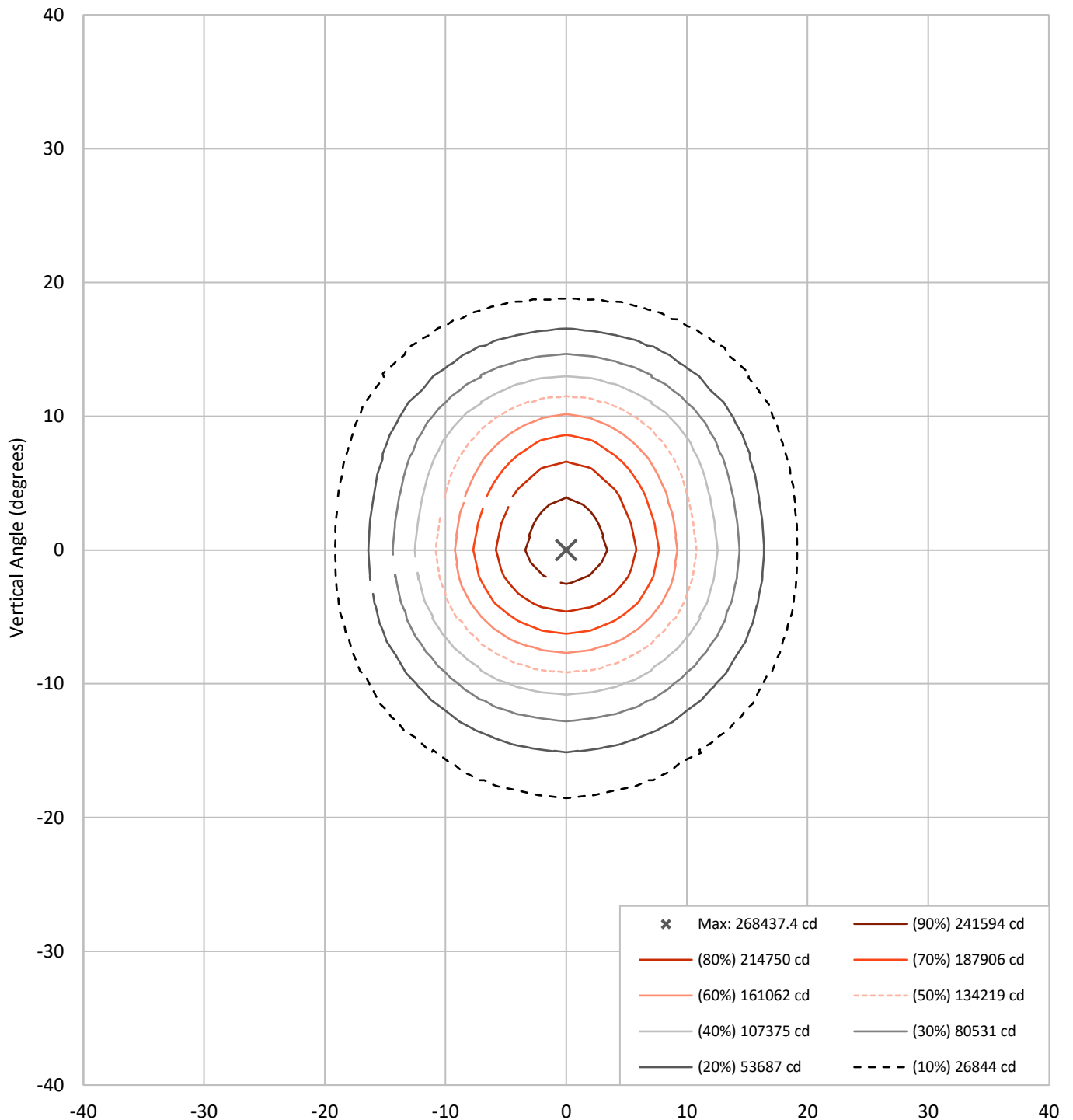
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	43406.6 lumens	Max Intensity:	268437.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	124.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.6°H x 20.7°V	Field Angle (10%):	38.3°H x 37.3°V
Beam Lumens:	20156.1 lumens	Field Lumens:	36694.9 lumens
Beam Efficiency:	46.4%	Field Efficiency:	84.5%

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





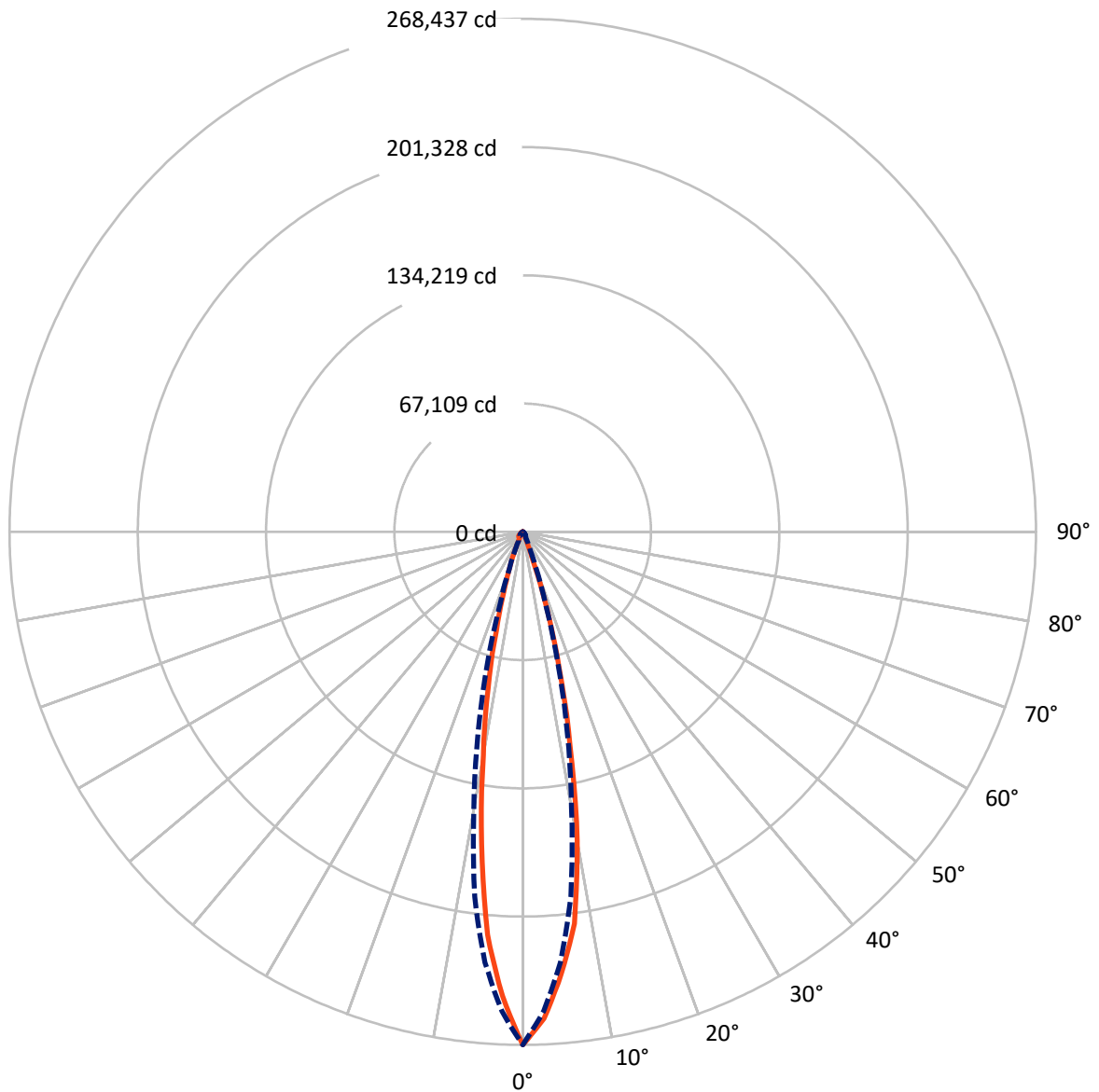
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Lumen Table

90	0.1	0.2	0.3	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	0.0	0.1	0.4	0.4	0.2	0.1	0.1	0.1	0.1	0.2	0.4	0.4	0.1	0.0	0.1
60		0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.1	
50	0.1	0.1	0.2	0.2	0.3	0.6	1.0	0.6	0.6	1.0	0.6	0.3	0.2	0.2	0.1	0.1
40		0.2	0.6	1.5	2.9	4.2	5.8	7.0	7.0	5.8	4.2	2.9	1.5	0.6	0.2	
30	0.1	0.3	2.8	8.8	20.8	31.5	54.5	103.4	103.4	54.5	31.5	20.8	8.8	2.8	0.3	0.1
20		0.8	5.8	23.2	53.2	99.4	649.4	2012.4	2012.4	649.4	99.4	53.2	23.2	5.8	0.8	
10	0.2	1.3	7.6	31.1	63.2	199.2	1908.7	5720.6	5720.6	1908.7	199.2	63.2	31.1	7.6	1.3	0.2
0		1.6	8.1	31.2	63.0	189.9	1795.2	5202.7	5202.7	1795.2	189.9	63.0	31.2	8.1	1.6	
-10	0.3	1.9	7.7	25.0	53.3	92.4	528.1	1529.2	1529.2	528.1	92.4	53.3	25.0	7.7	1.9	0.3
-20		1.9	7.3	17.7	47.7	71.3	108.3	209.3	209.3	108.3	71.3	47.7	17.7	7.3	1.9	
-30	0.3	1.7	6.3	13.3	33.3	69.2	89.9	100.5	100.5	89.9	69.2	33.3	13.3	6.3	1.7	0.3
-40		1.2	4.7	10.9	19.7	33.4	57.0	76.0	76.0	57.0	33.4	19.7	10.9	4.7	1.2	
-50	0.2	0.6	2.8	7.2	14.0	21.2	27.6	31.3	31.3	27.6	21.2	14.0	7.2	2.8	0.6	0.2
-60		0.2	0.9	3.0	6.2	9.9	13.6	15.8	15.8	13.6	9.9	6.2	3.0	0.9	0.2	
-70	0.1	0.7	2.1	4.9	6.6	4.9	2.1	0.7	0.1						0.1	
-80		0.1	0.7	2.1	4.9	6.6	4.9	2.1	0.7	0.1						
-90	0.1	0.7	2.1	4.9	6.6	4.9	2.1	0.7	0.1						0.1	

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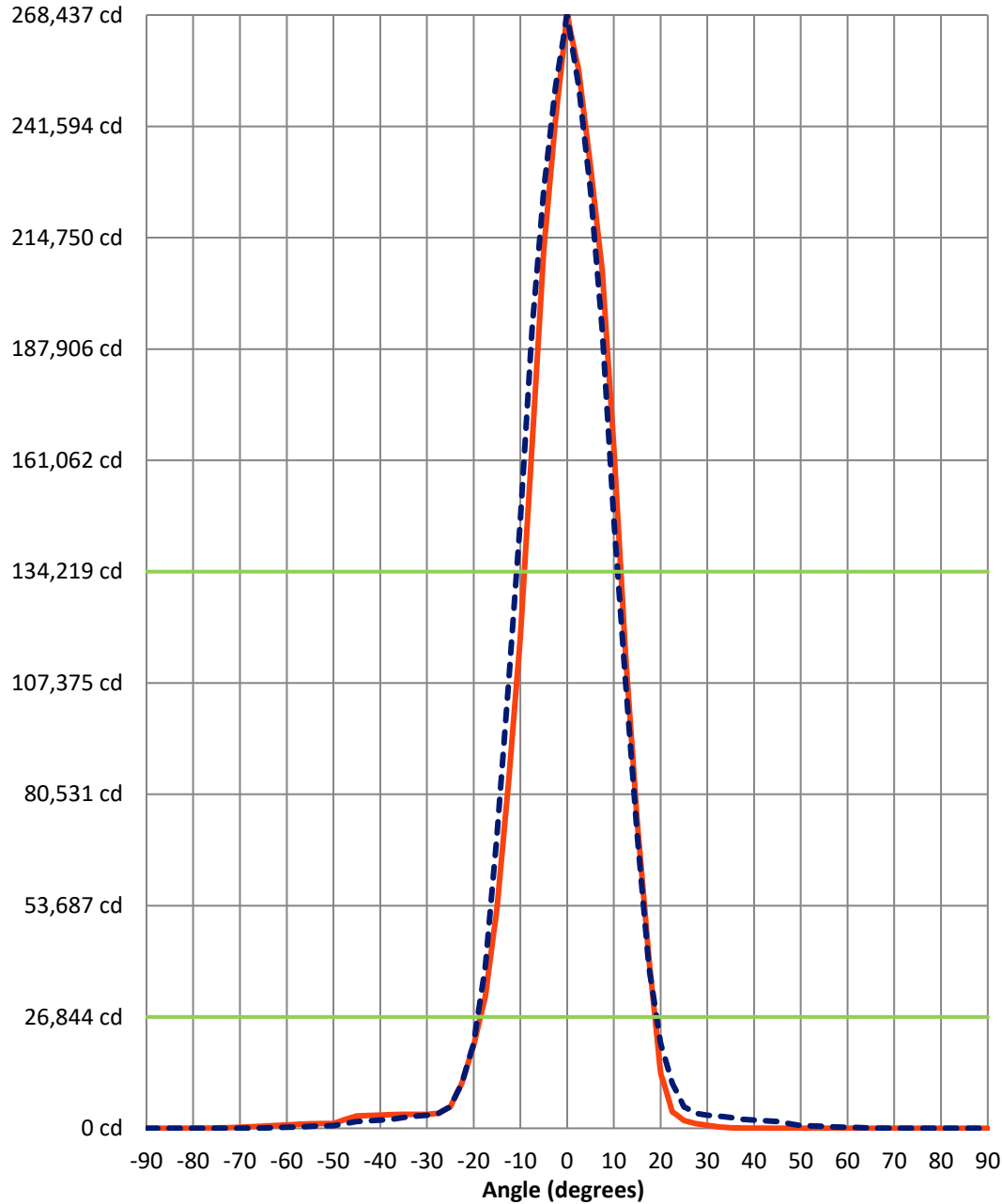
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 21.6°
 V Angle: 20.7°
 Lumens: 20156.1
 Efficiency: 46.4%

Field:
 H Angle: 38.3°
 V Angle: 37.3°
 Lumens: 36694.9
 Efficiency: 84.5%

Spill:
 Lumens: 6711.6
 Efficiency: 15.5%

- 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°	3.2	3.7	4.3	4.6	4.8	5.1	5.3	5.6	5.9	6.1	6.4
87.5°	3.2	3.2	3.2	3.0	2.7	2.6	2.4	2.3	2.3	2.2	2.1
85°	3.2	3.2	3.2	3.0	2.8	2.7	2.7	2.6	2.5	2.3	2.1
82.5°	3.2	3.3	3.2	3.0	2.9	2.9	3.0	2.9	2.7	2.5	2.4
80°	3.2	3.3	3.2	3.1	3.0	3.1	3.2	3.0	2.9	2.8	2.9
77.5°	3.2	3.3	3.2	3.1	3.1	3.2	3.2	3.1	3.0	3.1	3.2
75°	3.2	3.3	3.2	3.1	3.2	3.3	3.2	3.2	3.2	3.2	3.2
72.5°	3.2	3.4	3.2	3.2	3.3	3.4	3.3	3.2	3.2	3.2	3.2
70°	3.2	3.4	3.2	3.2	3.4	3.4	3.3	3.2	3.2	3.2	3.2
67.5°	3.2	3.4	3.3	3.3	3.5	3.5	3.3	3.2	3.2	3.4	3.3
65°	3.2	3.5	3.3	3.4	3.6	3.6	3.3	3.2	3.4	3.6	3.4
62.5°	3.2	3.5	3.3	3.6	3.8	3.6	3.4	3.4	3.7	3.7	3.5
60°	3.2	3.5	3.3	3.7	3.9	3.7	3.4	3.7	4.0	3.8	3.5
57.5°	3.2	3.5	3.4	3.8	3.9	3.7	3.7	4.0	4.1	3.8	3.9
55°	3.2	3.6	3.5	3.9	3.9	3.7	3.9	4.3	4.1	4.0	4.3
52.5°	3.2	3.6	3.6	4.0	4.0	3.8	4.2	4.4	4.2	4.3	4.7
50°	3.2	3.6	3.7	4.1	4.0	4.0	4.5	4.4	4.3	4.7	5.8
47.5°	3.2	3.7	3.8	4.2	4.0	4.2	4.7	4.5	4.6	5.1	6.8
45°	3.2	3.7	3.8	4.3	4.1	4.4	4.7	4.5	5.0	5.8	7.6
42.5°	3.2	3.7	3.9	4.3	4.1	4.6	4.8	4.8	5.4	6.5	8.8
40°	3.2	3.8	4.0	4.3	4.2	4.8	4.8	5.1	5.8	7.0	10.0
37.5°	3.2	3.8	4.0	4.3	4.3	5.0	4.9	5.5	6.5	7.9	11.1
35°	3.2	3.8	4.1	4.4	4.5	5.1	4.9	5.8	7.1	9.2	12.0
32.5°	3.2	3.9	4.1	4.4	4.6	5.1	5.1	6.2	7.6	10.5	13.3
30°	3.2	3.9	4.2	4.4	4.8	5.2	5.4	6.7	8.2	11.8	14.7
27.5°	3.2	4.0	4.2	4.5	4.9	5.2	5.7	7.1	8.9	13.1	16.2
25°	3.2	4.0	4.2	4.6	5.0	5.3	6.0	7.6	10.0	14.4	17.8
22.5°	3.2	4.0	4.2	4.6	5.1	5.3	6.3	8.0	11.1	15.7	20.7
20°	3.2	4.1	4.3	4.7	5.1	5.4	6.6	8.4	12.1	16.9	24.0
17.5°	3.2	4.1	4.3	4.8	5.2	5.5	6.9	8.8	13.0	18.2	27.6
15°	3.2	4.1	4.3	4.8	5.2	5.6	7.2	9.1	14.0	19.5	31.3
12.5°	3.2	4.2	4.3	4.9	5.3	5.7	7.5	9.4	14.8	20.8	35.2
10°	3.2	4.2	4.3	5.0	5.3	5.9	7.7	9.7	15.4	22.4	39.2
7.5°	3.2	4.2	4.3	5.1	5.3	6.0	7.9	10.0	15.9	24.1	43.1
5°	3.2	4.2	4.3	5.2	5.3	6.1	8.2	10.2	16.4	25.7	46.8
2.5°	3.2	4.3	4.3	5.2	5.3	6.3	8.3	10.4	16.7	27.3	50.2
0°	3.2	4.3	4.3	5.3	5.3	6.4	8.5	10.6	17.0	28.7	53.1
-2.5°	3.2	4.3	4.3	5.4	5.5	6.7	9.3	13.1	22.2	37.8	66.2
-5°	3.2	4.3	4.4	5.4	5.7	7.1	10.1	15.5	27.1	46.5	78.6
-7.5°	3.2	4.4	4.4	5.5	5.8	7.4	10.9	17.7	31.7	54.6	90.0
-10°	3.2	4.4	4.5	5.5	6.0	7.7	11.6	19.7	35.8	61.8	100.4
-12.5°	3.2	4.4	4.5	5.6	6.2	8.0	12.1	21.5	39.3	68.1	109.2
-15°	3.2	4.4	4.6	5.6	6.3	8.2	12.6	22.8	42.8	73.5	116.3
-17.5°	3.2	4.4	4.6	5.7	6.5	8.4	13.0	24.4	46.2	77.9	121.7
-20°	3.2	4.4	4.6	5.7	6.6	8.5	13.4	25.9	48.8	81.4	125.3



REPORT NUMBER: P731430 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-2S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.2	4.4	4.7	5.7	6.7	8.7	13.9	26.9	50.5	83.9	126.8
-25°	3.2	4.4	4.7	5.7	6.8	8.8	14.1	27.1	51.1	85.3	126.1
-27.5°	3.2	4.4	4.8	5.7	6.8	8.9	14.0	26.6	50.7	85.8	127.0
-30°	3.2	4.4	4.8	5.7	6.9	9.0	13.6	25.4	49.9	85.2	126.8
-32.5°	3.2	4.4	4.8	5.7	7.0	8.9	12.8	24.6	48.5	83.1	125.1
-35°	3.2	4.4	4.9	5.7	7.0	8.9	12.4	23.7	45.9	79.4	121.9
-37.5°	3.2	4.4	4.9	5.6	7.1	8.8	12.3	22.2	42.1	74.2	114.4
-40°	3.2	4.4	4.9	5.6	7.1	8.8	12.1	20.2	37.2	68.5	105.1
-42.5°	3.2	4.4	5.0	5.6	7.1	8.8	11.8	17.6	33.4	60.7	94.3
-45°	3.2	4.3	5.0	5.5	7.1	8.8	11.4	15.6	29.8	51.7	82.3
-47.5°	3.2	4.3	5.0	5.5	7.0	8.7	10.9	15.0	25.4	41.9	71.0
-50°	3.2	4.3	5.1	5.5	6.9	8.7	10.7	14.3	20.2	35.9	58.6
-52.5°	3.2	4.3	5.1	5.6	6.8	8.5	10.5	13.4	17.7	29.3	45.7
-55°	3.2	4.3	5.1	5.6	6.7	8.4	10.3	12.5	16.4	22.2	37.5
-57.5°	3.2	4.2	5.1	5.6	6.6	8.2	10.0	12.1	15.0	19.2	28.7
-60°	3.2	4.2	5.2	5.6	6.5	8.0	9.7	11.7	13.7	17.4	21.7
-62.5°	3.2	4.2	5.1	5.6	6.4	7.8	9.4	11.2	13.1	15.4	19.4
-65°	3.2	4.1	5.0	5.6	6.3	7.5	9.1	10.7	12.5	14.4	16.9
-67.5°	3.2	4.1	5.0	5.6	6.2	7.3	8.7	10.2	11.8	13.5	15.4
-70°	3.2	4.1	4.9	5.5	6.1	7.0	8.3	9.6	11.1	12.6	14.4
-72.5°	3.2	4.0	4.9	5.4	6.0	6.8	7.9	9.0	10.3	11.7	13.2
-75°	3.2	4.0	4.8	5.3	5.8	6.5	7.4	8.5	9.5	10.7	12.0
-77.5°	3.2	4.0	4.7	5.2	5.7	6.2	6.9	7.9	8.8	9.8	10.8
-80°	3.2	3.9	4.6	5.1	5.5	6.0	6.4	7.3	8.2	9.0	9.9
-82.5°	3.2	3.9	4.6	4.9	5.3	5.7	6.1	6.8	7.5	8.2	9.0
-85°	3.2	3.8	4.5	4.8	5.2	5.5	5.9	6.4	6.9	7.5	8.2
-87.5°	3.2	3.8	4.4	4.7	5.0	5.3	5.6	6.0	6.4	6.8	7.3
-90°	3.2	3.2	3.2	2.9	2.7	2.4	2.1	2.1	2.1	2.1	2.1



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 CATALOG NUMBER: EPH-LS-08-0320N-57-80-2S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6.4	6.4	6.4	6.4	6.7	6.9	7.2	7.4	7.7	8.0	8.2
87.5°	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.1	1.1	1.1	1.1
85°	2.1	2.1	2.1	2.1	1.9	1.6	1.4	1.1	1.1	1.1	1.1
82.5°	2.4	2.4	2.3	2.1	1.9	1.6	1.4	1.2	1.3	1.3	1.2
80°	2.8	2.7	2.4	2.1	2.0	1.9	1.9	1.9	1.8	1.7	1.6
77.5°	3.0	2.7	2.4	2.2	2.1	2.3	2.5	2.7	2.6	2.5	2.4
75°	3.0	2.7	2.6	2.6	2.8	3.0	3.2	3.2	3.1	3.0	3.0
72.5°	3.1	3.0	3.0	3.2	3.2	3.2	3.2	3.2	4.1	5.2	6.0
70°	3.2	3.2	3.2	3.2	3.2	3.5	5.0	7.1	9.2	10.4	11.5
67.5°	3.2	3.2	3.2	3.3	4.1	5.7	8.1	12.6	17.5	18.8	18.6
65°	3.2	3.2	3.6	4.3	5.2	9.1	14.2	19.9	24.2	23.5	22.0
62.5°	3.2	3.6	4.4	5.9	9.1	13.8	18.3	22.4	26.5	25.7	22.2
60°	3.7	4.2	6.0	9.1	12.6	16.0	20.2	22.9	25.5	26.2	20.0
57.5°	4.2	5.5	8.4	11.7	14.6	17.0	18.7	21.0	21.9	21.3	15.6
55°	5.0	7.2	10.4	13.5	15.6	14.9	15.9	16.6	16.3	15.1	11.1
52.5°	6.5	8.8	12.0	14.6	14.8	13.4	12.5	12.7	11.7	9.9	8.6
50°	7.8	10.5	13.4	14.9	14.2	12.0	10.0	9.7	9.0	8.2	7.4
47.5°	9.2	12.1	14.4	15.1	13.1	11.2	9.3	8.6	8.1	8.4	7.9
45°	10.7	13.4	15.6	14.3	12.5	11.0	10.2	8.5	9.5	10.2	10.6
42.5°	12.0	14.4	15.4	13.7	12.7	12.7	12.5	12.1	12.7	15.3	16.8
40°	13.0	15.4	15.4	15.0	13.9	16.0	18.0	19.5	19.6	23.1	25.8
37.5°	13.9	15.8	16.7	18.9	17.9	21.7	25.0	38.3	38.9	32.1	43.6
35°	14.7	16.6	22.0	28.0	30.5	29.7	48.4	65.9	70.1	63.1	74.9
32.5°	15.6	17.9	29.2	43.3	56.2	57.1	78.5	106.3	121.0	125.9	132.4
30°	17.3	24.5	40.2	62.6	93.4	118.6	128.8	158.7	185.8	239.8	277.6
27.5°	20.3	33.2	58.7	97.0	144.2	191.8	208.1	228.9	299.7	395.5	490.2
25°	24.1	51.5	79.8	142.5	214.8	267.6	288.3	316.4	450.1	635.1	744.0
22.5°	33.7	75.2	111.7	195.0	293.0	341.4	368.5	469.2	673.7	919.5	1029.8
20°	51.0	103.3	150.5	238.8	371.5	414.6	445.0	654.6	952.3	1185.8	1358.8
17.5°	70.9	131.5	189.0	284.9	405.5	470.4	534.0	859.2	1244.2	1449.5	1653.2
15°	92.9	159.6	222.4	326.0	436.2	503.9	670.8	1090.8	1508.1	1708.4	1911.6
12.5°	116.1	187.2	251.0	362.1	466.6	535.0	795.1	1256.0	1649.1	1912.6	2156.5
10°	139.9	214.2	275.5	393.2	496.1	563.9	911.4	1396.3	1723.8	1958.3	2234.5
7.5°	156.0	231.8	294.5	419.6	524.0	590.4	1016.7	1512.1	1774.6	1981.2	2226.7
5°	168.6	238.4	301.8	438.4	547.0	611.3	1099.7	1603.5	1805.4	1984.7	2185.5
2.5°	178.7	242.9	307.5	453.0	565.4	624.7	1127.2	1631.7	1811.6	1984.6	2165.8
0°	186.0	245.5	311.4	463.4	580.4	635.6	1133.1	1638.0	1807.0	1980.2	2173.7
-2.5°	192.6	253.0	323.6	472.3	581.0	636.8	1127.5	1630.7	1827.4	2028.2	2259.2
-5°	196.6	259.1	333.7	476.8	578.7	636.1	1101.8	1601.6	1825.3	2029.0	2273.3
-7.5°	198.5	263.7	341.1	476.3	570.7	627.4	1033.7	1508.6	1753.5	1945.4	2201.6
-10°	199.2	269.3	346.0	466.2	555.8	613.0	945.8	1398.2	1674.2	1854.0	2102.5
-12.5°	201.0	275.8	349.1	454.8	541.0	596.5	846.3	1272.8	1588.2	1755.9	1989.4
-15°	200.9	280.8	350.6	443.0	527.2	578.1	737.8	1134.4	1524.3	1737.2	1928.1
-17.5°	199.0	284.3	350.7	431.8	515.3	557.8	626.1	1012.1	1471.4	1729.6	1914.8
-20°	195.6	286.3	349.7	421.7	504.3	549.2	604.8	893.7	1330.7	1702.3	1909.5



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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°	190.6	286.9	348.4	416.6	495.5	551.9	599.6	763.9	1144.8	1657.1	1873.9
-25°	188.0	278.5	347.0	410.7	486.3	555.3	594.3	644.2	961.3	1429.7	1790.5
-27.5°	186.5	268.8	339.1	400.9	474.5	554.4	594.8	637.0	805.9	1170.0	1661.5
-30°	182.2	252.7	328.4	388.0	460.5	538.8	598.6	631.8	679.2	961.6	1362.7
-32.5°	173.1	235.9	310.8	374.1	442.3	520.5	594.6	631.6	672.1	755.9	1079.6
-35°	163.5	222.7	290.5	356.7	419.9	495.9	568.3	630.2	665.3	708.7	853.4
-37.5°	155.8	207.9	269.8	335.5	397.8	466.1	539.1	607.6	660.0	703.7	758.9
-40°	146.2	191.4	250.9	312.5	373.4	436.6	504.9	573.8	639.9	706.3	756.6
-42.5°	134.7	178.6	231.2	289.1	347.5	408.1	469.1	535.6	612.7	696.2	760.7
-45°	121.0	163.7	210.6	264.2	319.1	377.3	436.3	496.4	577.8	663.6	744.4
-47.5°	105.5	146.5	191.2	237.3	289.2	343.5	400.9	463.8	535.2	617.1	705.2
-50°	89.2	127.2	168.9	211.8	258.0	308.2	361.3	424.8	491.9	563.7	643.3
-52.5°	73.8	106.1	144.6	185.5	227.4	272.4	322.2	379.0	441.9	508.7	575.6
-55°	57.1	86.2	118.4	156.6	196.9	237.3	280.8	331.3	386.0	446.9	506.8
-57.5°	44.3	65.5	93.3	125.3	162.7	202.0	240.5	281.4	329.4	381.3	431.8
-60°	33.5	48.1	68.6	95.6	125.7	161.0	198.0	235.3	273.8	312.5	355.5
-62.5°	23.7	35.0	48.6	66.5	92.2	118.4	149.3	183.7	220.1	253.2	284.9
-65°	20.8	24.1	33.3	46.0	59.2	80.9	104.3	128.4	158.4	188.1	218.3
-67.5°	17.7	20.7	23.7	28.5	39.9	51.3	62.6	83.0	103.8	122.8	143.0
-70°	16.0	17.5	20.0	22.7	25.3	30.1	39.9	49.7	59.2	70.5	86.5
-72.5°	14.6	15.9	17.2	18.7	21.0	23.3	25.6	27.8	33.4	41.2	48.5
-75°	13.2	14.2	15.3	16.5	17.8	19.2	20.7	22.7	24.5	26.2	28.0
-77.5°	11.8	12.6	13.5	14.4	15.2	16.3	17.4	18.6	19.7	20.7	21.7
-80°	10.5	11.1	11.8	12.6	13.2	13.8	14.4	15.1	15.7	16.2	16.9
-82.5°	9.4	9.8	10.3	10.8	11.2	11.5	11.8	12.2	12.8	13.3	13.8
-85°	8.3	8.5	8.7	9.0	9.4	9.8	10.1	10.5	10.7	11.0	11.3
-87.5°	7.4	7.4	7.5	7.6	7.9	8.3	8.6	9.0	9.1	9.2	9.3
-90°	1.9	1.6	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.5	8.5	8.5	8.5	8.5	8.8	9.1	9.3	9.6	9.6	9.6
87.5°	1.1	1.1	1.0	1.0	1.0	0.8	0.5	0.3	0.0	0.0	0.0
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.4	1.4	1.3	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	2.3	2.1	1.9	1.6	1.2	1.1	1.1	1.1	1.1	1.1	1.1
75°	3.1	3.0	2.9	2.7	2.2	2.1	2.1	2.1	1.9	2.0	2.0
72.5°	6.4	6.4	6.0	5.5	4.8	4.4	4.3	4.1	3.9	3.7	3.6
70°	11.7	11.4	10.7	9.5	7.9	6.8	6.2	5.5	4.6	4.3	4.2
67.5°	16.9	15.2	13.7	12.1	9.9	8.2	7.2	6.3	5.4	5.0	4.8
65°	19.5	15.6	13.0	11.0	9.4	8.0	6.9	5.9	5.0	4.5	4.4
62.5°	18.0	13.0	10.3	8.6	7.3	6.3	5.5	4.8	4.0	3.6	3.7
60°	14.7	10.0	7.7	6.8	6.0	5.4	4.7	4.1	3.5	3.3	3.6
57.5°	11.2	8.0	6.3	5.9	5.3	4.6	4.1	4.0	3.9	3.9	4.1
55°	8.3	7.1	6.4	5.7	5.0	4.5	4.3	4.5	4.4	4.3	4.3
52.5°	7.1	6.5	5.8	5.1	5.0	5.1	5.2	5.0	4.9	4.9	5.0
50°	6.9	6.4	5.8	5.3	5.5	5.5	5.3	5.5	5.8	6.0	6.1
47.5°	7.5	7.1	7.5	6.3	6.6	7.3	7.4	7.5	8.5	8.9	9.0
45°	9.9	12.1	12.1	11.1	10.7	15.5	15.8	13.3	21.6	20.7	14.6
42.5°	18.4	19.5	19.5	24.4	33.0	37.6	49.9	69.4	65.0	50.5	30.5
40°	30.3	28.8	35.1	45.1	55.2	67.0	83.8	117.0	111.4	89.1	97.9
37.5°	52.4	52.4	55.4	69.3	73.1	62.9	89.4	86.5	68.9	96.8	102.5
35°	95.8	105.3	89.4	110.9	113.7	104.6	109.8	121.3	104.9	125.5	134.4
32.5°	171.9	189.7	192.0	197.3	213.1	225.2	221.8	250.1	251.5	278.3	314.9
30°	274.8	311.7	349.8	355.8	375.5	407.5	423.6	480.6	541.1	580.6	653.3
27.5°	483.1	492.2	568.9	629.4	605.4	653.3	773.3	842.9	958.4	1027.2	1100.3
25°	775.9	800.9	909.1	1020.5	1035.4	1079.2	1253.5	1353.1	1472.0	1541.5	1692.4
22.5°	1147.5	1255.5	1374.6	1521.1	1581.2	1684.1	1853.7	1999.6	2247.5	2554.2	3215.1
20°	1561.5	1723.8	1883.8	2012.5	2136.5	2300.2	2506.4	3210.7	4045.3	6559.9	8294.9
17.5°	1915.7	2181.5	2334.5	2459.2	2614.7	2930.5	3749.2	5824.8	9827.3	15425.8	20550.4
15°	2191.1	2439.3	2685.4	2841.6	3084.8	3783.8	5449.6	10539.9	18833.8	28284.4	39720.6
12.5°	2409.5	2615.6	2822.3	3052.2	3501.5	4863.8	9101.9	16963.0	29023.8	44300.1	64574.4
10°	2527.4	2733.7	2933.1	3260.4	4092.1	6572.9	12512.3	22879.2	41808.6	65666.8	91504.9
7.5°	2526.6	2778.1	3024.6	3423.8	4694.1	8615.1	16529.7	30558.2	52948.4	82859.8	116124.0
5°	2525.2	2829.5	3087.8	3538.3	5070.6	10008.8	19023.3	34811.0	62019.0	95774.1	131391.9
2.5°	2549.7	2884.6	3128.6	3613.8	5245.1	10756.6	20406.6	38169.9	68360.5	103124.7	141185.1
0°	2607.3	2933.7	3152.6	3621.4	5224.3	10910.9	20567.5	38982.6	70801.1	107735.0	146791.4
-2.5°	2702.7	2926.6	3139.0	3590.8	5154.6	10592.6	20191.7	38273.7	67973.1	102604.8	140404.3
-5°	2645.3	2826.1	3014.0	3420.5	4812.7	9476.9	18188.3	34248.7	59615.3	90714.8	123095.2
-7.5°	2498.0	2681.2	2855.3	3205.8	4320.0	7820.6	14878.2	27512.8	47325.8	71545.9	96978.6
-10°	2363.6	2528.0	2691.9	2972.2	3691.2	5736.2	10646.6	19471.3	34553.3	52810.9	72246.8
-12.5°	2260.2	2398.3	2524.5	2712.4	3112.2	4254.4	7745.6	14295.2	23203.2	34827.0	49051.2
-15°	2169.2	2276.5	2369.4	2550.2	2847.3	3444.0	4826.3	8568.1	14118.6	21442.9	29209.8
-17.5°	2085.0	2187.9	2297.6	2435.4	2622.5	2908.9	3703.0	5276.9	8479.0	13263.5	17844.1
-20°	2041.9	2167.9	2262.2	2369.9	2528.8	2748.9	3027.9	3808.6	5128.4	8068.8	11047.2



REPORT NUMBER: P731430 (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°	2007.9	2128.1	2235.6	2360.7	2523.8	2697.5	2848.1	3086.6	3709.3	4632.7	6170.2
-25°	1966.6	2085.0	2244.1	2426.1	2566.2	2697.6	2774.0	2823.7	3090.9	3354.9	3943.5
-27.5°	1888.1	2075.7	2309.3	2505.9	2656.6	2738.1	2799.7	2840.0	3000.2	3157.6	3328.8
-30°	1817.9	2105.5	2357.8	2586.3	2717.6	2817.1	2897.4	2970.0	3080.7	3214.0	3276.3
-32.5°	1568.7	2097.4	2378.1	2588.4	2723.2	2840.7	2964.4	3031.5	3129.0	3226.6	3305.3
-35°	1232.2	1769.5	2356.1	2476.6	2610.5	2763.6	2912.2	3007.7	3107.0	3207.5	3300.2
-37.5°	923.0	1324.9	1800.7	2235.8	2415.4	2572.3	2754.6	2901.7	3031.6	3141.2	3246.8
-40°	809.1	918.0	1268.1	1613.7	1980.7	2317.6	2497.9	2694.7	2890.3	3025.7	3146.2
-42.5°	807.8	849.6	885.3	1116.9	1399.3	1689.1	1995.6	2281.3	2599.5	2822.5	2991.6
-45°	812.9	845.5	878.8	912.3	943.1	1156.3	1379.9	1606.5	1938.5	2268.2	2553.1
-47.5°	774.3	837.0	876.9	909.1	939.6	969.5	998.7	1059.8	1272.1	1496.7	1702.1
-50°	712.9	777.5	836.9	896.5	931.5	961.0	992.8	1027.8	1061.7	1096.3	1119.2
-52.5°	637.6	701.2	763.0	819.6	870.5	920.5	970.5	1011.2	1047.4	1082.8	1100.4
-55°	565.6	622.9	679.2	728.9	778.6	828.0	877.8	927.2	976.4	1024.6	1049.3
-57.5°	485.7	541.4	594.4	636.2	678.4	720.5	765.7	812.2	857.0	898.1	919.7
-60°	401.0	448.6	494.0	534.7	574.2	612.2	650.5	689.3	727.2	760.6	780.2
-62.5°	316.7	353.4	391.3	426.7	460.4	492.8	527.8	561.1	592.7	619.3	637.8
-65°	247.9	275.4	299.6	324.1	349.1	377.6	406.4	433.7	459.2	480.2	496.0
-67.5°	168.3	193.6	215.8	236.7	255.8	275.2	295.9	315.7	334.5	350.1	362.3
-70°	101.8	116.0	128.7	142.7	159.4	175.8	192.1	207.2	220.9	232.2	241.1
-72.5°	55.3	61.3	67.8	77.9	87.2	96.5	105.7	114.1	121.7	128.4	134.3
-75°	29.7	32.3	37.0	41.2	44.9	48.7	52.4	55.7	58.7	61.2	63.2
-77.5°	23.0	24.2	25.4	26.4	27.3	28.1	28.9	29.7	30.4	31.1	31.8
-80°	17.6	18.5	19.3	20.2	20.9	21.5	22.0	22.4	22.7	23.1	23.5
-82.5°	14.2	14.6	15.0	15.4	15.8	16.2	16.7	17.1	17.5	17.7	17.9
-85°	11.6	11.8	11.9	12.1	12.2	12.3	12.5	12.6	12.6	12.7	12.7
-87.5°	9.4	9.4	9.5	9.5	9.5	9.8	10.0	10.3	10.6	10.6	10.6
-90°	1.1	0.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731430 (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°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.3
87.5°	0.0	0.0	0.5	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.3
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	1.9	2.1
72.5°	3.4	3.2	3.2	3.2	3.2	3.2	3.4	3.6	3.7	3.9	4.1
70°	4.2	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.3	4.6	5.5
67.5°	4.6	4.3	3.8	3.2	3.8	4.3	4.6	4.8	5.0	5.4	6.3
65°	4.3	4.3	3.8	3.2	3.8	4.3	4.3	4.4	4.5	5.0	5.9
62.5°	4.0	4.2	3.8	3.2	3.8	4.2	4.0	3.7	3.6	4.0	4.8
60°	3.9	4.2	4.3	4.3	4.3	4.2	3.9	3.6	3.3	3.5	4.1
57.5°	4.2	4.3	4.3	4.3	4.3	4.3	4.2	4.1	3.9	3.9	4.0
55°	4.3	4.3	4.7	5.3	4.7	4.3	4.3	4.3	4.3	4.4	4.5
52.5°	5.1	5.2	5.3	5.3	5.3	5.2	5.1	5.0	4.9	4.9	5.0
50°	6.2	6.3	6.4	6.4	6.4	6.3	6.2	6.1	6.0	5.8	5.5
47.5°	9.0	8.7	8.5	8.5	8.5	8.7	9.0	9.0	8.9	8.5	7.5
45°	14.8	14.8	14.8	14.9	14.8	14.8	14.8	14.6	20.7	21.6	13.3
42.5°	29.7	26.8	24.5	25.5	24.5	26.8	29.7	30.5	50.5	65.0	69.4
40°	87.4	60.1	34.8	35.1	34.8	60.1	87.4	97.9	89.1	111.4	117.0
37.5°	81.7	65.9	59.5	58.5	59.5	65.9	81.7	102.5	96.8	68.9	86.5
35°	134.8	134.0	128.1	127.6	128.1	134.0	134.8	134.4	125.5	104.9	121.3
32.5°	329.0	342.5	338.2	332.7	338.2	342.5	329.0	314.9	278.3	251.5	250.1
30°	687.8	717.7	711.7	728.1	711.7	717.7	687.8	653.3	580.6	541.1	480.6
27.5°	1140.8	1160.4	1140.1	1134.1	1140.1	1160.4	1140.8	1100.3	1027.2	958.4	842.9
25°	1795.5	1833.5	1850.9	1886.7	1850.9	1833.5	1795.5	1692.4	1541.5	1472.0	1353.1
22.5°	4036.8	4272.0	4151.2	4043.3	4151.2	4272.0	4036.8	3215.1	2554.2	2247.5	1999.6
20°	11846.9	13939.3	13785.0	13509.7	13785.0	13939.3	11846.9	8294.9	6559.9	4045.3	3210.7
17.5°	28566.3	34994.4	38997.6	41104.2	38997.6	34994.4	28566.3	20550.4	15425.8	9827.3	5824.8
15°	53292.7	64104.9	70453.2	74053.7	70453.2	64104.9	53292.7	39720.6	28284.4	18833.8	10539.9
12.5°	84065.6	101012.1	112254.6	114403.7	112254.6	101012.1	84065.6	64574.4	44300.1	29023.8	16963.0
10°	117950.7	139655.3	157555.7	164084.1	157555.7	139655.3	117950.7	91504.9	65666.8	41808.6	22879.2
7.5°	146889.7	174587.3	198356.3	206810.3	198356.3	174587.3	146889.7	116124.0	82859.8	52948.4	30558.2
5°	167933.0	204674.9	226189.9	231995.1	226189.9	204674.9	167933.0	131391.9	95774.1	62019.0	34811.0
2.5°	185062.3	219939.5	243006.4	254899.5	243006.4	219939.5	185062.3	141185.1	103124.7	68360.5	38169.9
0°	192593.7	226110.8	250988.4	268437.4	250988.4	226110.8	192593.7	146791.4	107735.0	70801.1	38982.6
-2.5°	183338.2	217614.1	235310.8	242958.7	235310.8	217614.1	183338.2	140404.3	102604.8	67973.1	38273.7
-5°	155875.8	188187.1	205973.5	211624.3	205973.5	188187.1	155875.8	123095.2	90714.8	59615.3	34248.7
-7.5°	121589.6	143974.9	159320.5	164668.7	159320.5	143974.9	121589.6	96978.6	71545.9	47325.8	27512.8
-10°	91554.3	107608.4	115831.9	118611.3	115831.9	107608.4	91554.3	72246.8	52810.9	34553.3	19471.3
-12.5°	62866.2	74951.7	80267.4	83759.7	80267.4	74951.7	62866.2	49051.2	34827.0	23203.2	14295.2
-15°	38670.7	46549.6	50735.3	53124.8	50735.3	46549.6	38670.7	29209.8	21442.9	14118.6	8568.1
-17.5°	23494.5	27777.3	30551.1	31807.9	30551.1	27777.3	23494.5	17844.1	13263.5	8479.0	5276.9
-20°	14586.0	17437.5	19057.2	19986.1	19057.2	17437.5	14586.0	11047.2	8068.8	5128.4	3808.6



REPORT NUMBER: P731430 (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°	8193.9	9758.6	10635.9	10941.7	10635.9	9758.6	8193.9	6170.2	4632.7	3709.3	3086.6
-25°	4556.6	4954.8	5129.0	5170.0	5129.0	4954.8	4556.6	3943.5	3354.9	3090.9	2823.7
-27.5°	3477.2	3562.1	3616.0	3632.0	3616.0	3562.1	3477.2	3328.8	3157.6	3000.2	2840.0
-30°	3335.5	3344.3	3359.1	3356.7	3359.1	3344.3	3335.5	3276.3	3214.0	3080.7	2970.0
-32.5°	3360.8	3364.0	3367.0	3362.0	3367.0	3364.0	3360.8	3305.3	3226.6	3129.0	3031.5
-35°	3350.8	3360.4	3368.0	3371.6	3368.0	3360.4	3350.8	3300.2	3207.5	3107.0	3007.7
-37.5°	3288.8	3302.1	3308.6	3302.5	3308.6	3302.1	3288.8	3246.8	3141.2	3031.6	2901.7
-40°	3175.1	3184.7	3185.3	3180.3	3185.3	3184.7	3175.1	3146.2	3025.7	2890.3	2694.7
-42.5°	3043.2	3076.8	3092.6	3093.1	3092.6	3076.8	3043.2	2991.6	2822.5	2599.5	2281.3
-45°	2733.7	2873.8	2956.9	2977.2	2956.9	2873.8	2733.7	2553.1	2268.2	1938.5	1606.5
-47.5°	1866.2	2005.4	2095.9	2130.1	2095.9	2005.4	1866.2	1702.1	1496.7	1272.1	1059.8
-50°	1135.9	1152.8	1160.2	1158.6	1160.2	1152.8	1135.9	1119.2	1096.3	1061.7	1027.8
-52.5°	1113.9	1127.2	1135.4	1139.5	1135.4	1127.2	1113.9	1100.4	1082.8	1047.4	1011.2
-55°	1069.6	1086.3	1094.9	1096.9	1094.9	1086.3	1069.6	1049.3	1024.6	976.4	927.2
-57.5°	937.8	952.4	960.7	964.1	960.7	952.4	937.8	919.7	898.1	857.0	812.2
-60°	796.1	808.3	813.6	814.2	813.6	808.3	796.1	780.2	760.6	727.2	689.3
-62.5°	653.1	665.3	669.3	668.6	669.3	665.3	653.1	637.8	619.3	592.7	561.1
-65°	509.2	519.8	521.9	519.8	521.9	519.8	509.2	496.0	480.2	459.2	433.7
-67.5°	372.6	380.8	383.2	382.7	383.2	380.8	372.6	362.3	350.1	334.5	315.7
-70°	248.2	253.6	253.4	250.8	253.4	253.6	248.2	241.1	232.2	220.9	207.2
-72.5°	139.3	143.3	146.6	148.8	146.6	143.3	139.3	134.3	128.4	121.7	114.1
-75°	64.9	66.2	67.8	69.1	67.8	66.2	64.9	63.2	61.2	58.7	55.7
-77.5°	32.3	32.8	33.4	34.0	33.4	32.8	32.3	31.8	31.1	30.4	29.7
-80°	23.9	24.3	24.4	24.4	24.4	24.3	23.9	23.5	23.1	22.7	22.4
-82.5°	18.0	18.0	18.1	18.1	18.1	18.0	18.0	17.9	17.7	17.5	17.1
-85°	12.8	12.8	13.3	13.8	13.3	12.8	12.8	12.7	12.7	12.6	12.6
-87.5°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	9.1	8.8	8.5	8.5	8.5	8.5	8.5	8.2	8.0	7.7	7.4
87.5°	0.5	0.8	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.3	1.2
80°	1.1	1.1	1.1	1.3	1.3	1.4	1.4	1.6	1.7	1.8	1.9
77.5°	1.1	1.1	1.2	1.6	1.9	2.1	2.3	2.4	2.5	2.6	2.7
75°	2.1	2.1	2.2	2.7	2.9	3.0	3.1	3.0	3.0	3.1	3.2
72.5°	4.3	4.4	4.8	5.5	6.0	6.4	6.4	6.0	5.2	4.1	3.2
70°	6.2	6.8	7.9	9.5	10.7	11.4	11.7	11.5	10.4	9.2	7.1
67.5°	7.2	8.2	9.9	12.1	13.7	15.2	16.9	18.6	18.8	17.5	12.6
65°	6.9	8.0	9.4	11.0	13.0	15.6	19.5	22.0	23.5	24.2	19.9
62.5°	5.5	6.3	7.3	8.6	10.3	13.0	18.0	22.2	25.7	26.5	22.4
60°	4.7	5.4	6.0	6.8	7.7	10.0	14.7	20.0	26.2	25.5	22.9
57.5°	4.1	4.6	5.3	5.9	6.3	8.0	11.2	15.6	21.3	21.9	21.0
55°	4.3	4.5	5.0	5.7	6.4	7.1	8.3	11.1	15.1	16.3	16.6
52.5°	5.2	5.1	5.0	5.1	5.8	6.5	7.1	8.6	9.9	11.7	12.7
50°	5.3	5.5	5.5	5.3	5.8	6.4	6.9	7.4	8.2	9.0	9.7
47.5°	7.4	7.3	6.6	6.3	7.5	7.1	7.5	7.9	8.4	8.1	8.6
45°	15.8	15.5	10.7	11.1	12.1	12.1	9.9	10.6	10.2	9.5	8.5
42.5°	49.9	37.6	33.0	24.4	19.5	19.5	18.4	16.8	15.3	12.7	12.1
40°	83.8	67.0	55.2	45.1	35.1	28.8	30.3	25.8	23.1	19.6	19.5
37.5°	89.4	62.9	73.1	69.3	55.4	52.4	52.4	43.6	32.1	38.9	38.3
35°	109.8	104.6	113.7	110.9	89.4	105.3	95.8	74.9	63.1	70.1	65.9
32.5°	221.8	225.2	213.1	197.3	192.0	189.7	171.9	132.4	125.9	121.0	106.3
30°	423.6	407.5	375.5	355.8	349.8	311.7	274.8	277.6	239.8	185.8	158.7
27.5°	773.3	653.3	605.4	629.4	568.9	492.2	483.1	490.2	395.5	299.7	228.9
25°	1253.5	1079.2	1035.4	1020.5	909.1	800.9	775.9	744.0	635.1	450.1	316.4
22.5°	1853.7	1684.1	1581.2	1521.1	1374.6	1255.5	1147.5	1029.8	919.5	673.7	469.2
20°	2506.4	2300.2	2136.5	2012.5	1883.8	1723.8	1561.5	1358.8	1185.8	952.3	654.6
17.5°	3749.2	2930.5	2614.7	2459.2	2334.5	2181.5	1915.7	1653.2	1449.5	1244.2	859.2
15°	5449.6	3783.8	3084.8	2841.6	2685.4	2439.3	2191.1	1911.6	1708.4	1508.1	1090.8
12.5°	9101.9	4863.8	3501.5	3052.2	2822.3	2615.6	2409.5	2156.5	1912.6	1649.1	1256.0
10°	12512.3	6572.9	4092.1	3260.4	2933.1	2733.7	2527.4	2234.5	1958.3	1723.8	1396.3
7.5°	16529.7	8615.1	4694.1	3423.8	3024.6	2778.1	2526.6	2226.7	1981.2	1774.6	1512.1
5°	19023.3	10008.8	5070.6	3538.3	3087.8	2829.5	2525.2	2185.5	1984.7	1805.4	1603.5
2.5°	20406.6	10756.6	5245.1	3613.8	3128.6	2884.6	2549.7	2165.8	1984.6	1811.6	1631.7
0°	20567.5	10910.9	5224.3	3621.4	3152.6	2933.7	2607.3	2173.7	1980.2	1807.0	1638.0
-2.5°	20191.7	10592.6	5154.6	3590.8	3139.0	2926.6	2702.7	2259.2	2028.2	1827.4	1630.7
-5°	18188.3	9476.9	4812.7	3420.5	3014.0	2826.1	2645.3	2273.3	2029.0	1825.3	1601.6
-7.5°	14878.2	7820.6	4320.0	3205.8	2855.3	2681.2	2498.0	2201.6	1945.4	1753.5	1508.6
-10°	10646.6	5736.2	3691.2	2972.2	2691.9	2528.0	2363.6	2102.5	1854.0	1674.2	1398.2
-12.5°	7745.6	4254.4	3112.2	2712.4	2524.5	2398.3	2260.2	1989.4	1755.9	1588.2	1272.8
-15°	4826.3	3444.0	2847.3	2550.2	2369.4	2276.5	2169.2	1928.1	1737.2	1524.3	1134.4
-17.5°	3703.0	2908.9	2622.5	2435.4	2297.6	2187.9	2085.0	1914.8	1729.6	1471.4	1012.1
-20°	3027.9	2748.9	2528.8	2369.9	2262.2	2167.9	2041.9	1909.5	1702.3	1330.7	893.7



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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°	2848.1	2697.5	2523.8	2360.7	2235.6	2128.1	2007.9	1873.9	1657.1	1144.8	763.9
-25°	2774.0	2697.6	2566.2	2426.1	2244.1	2085.0	1966.6	1790.5	1429.7	961.3	644.2
-27.5°	2799.7	2738.1	2656.6	2505.9	2309.3	2075.7	1888.1	1661.5	1170.0	805.9	637.0
-30°	2897.4	2817.1	2717.6	2586.3	2357.8	2105.5	1817.9	1362.7	961.6	679.2	631.8
-32.5°	2964.4	2840.7	2723.2	2588.4	2378.1	2097.4	1568.7	1079.6	755.9	672.1	631.6
-35°	2912.2	2763.6	2610.5	2476.6	2356.1	1769.5	1232.2	853.4	708.7	665.3	630.2
-37.5°	2754.6	2572.3	2415.4	2235.8	1800.7	1324.9	923.0	758.9	703.7	660.0	607.6
-40°	2497.9	2317.6	1980.7	1613.7	1268.1	918.0	809.1	756.6	706.3	639.9	573.8
-42.5°	1995.6	1689.1	1399.3	1116.9	885.3	849.6	807.8	760.7	696.2	612.7	535.6
-45°	1379.9	1156.3	943.1	912.3	878.8	845.5	812.9	744.4	663.6	577.8	496.4
-47.5°	998.7	969.5	939.6	909.1	876.9	837.0	774.3	705.2	617.1	535.2	463.8
-50°	992.8	961.0	931.5	896.5	836.9	777.5	712.9	643.3	563.7	491.9	424.8
-52.5°	970.5	920.5	870.5	819.6	763.0	701.2	637.6	575.6	508.7	441.9	379.0
-55°	877.8	828.0	778.6	728.9	679.2	622.9	565.6	506.8	446.9	386.0	331.3
-57.5°	765.7	720.5	678.4	636.2	594.4	541.4	485.7	431.8	381.3	329.4	281.4
-60°	650.5	612.2	574.2	534.7	494.0	448.6	401.0	355.5	312.5	273.8	235.3
-62.5°	527.8	492.8	460.4	426.7	391.3	353.4	316.7	284.9	253.2	220.1	183.7
-65°	406.4	377.6	349.1	324.1	299.6	275.4	247.9	218.3	188.1	158.4	128.4
-67.5°	295.9	275.2	255.8	236.7	215.8	193.6	168.3	143.0	122.8	103.8	83.0
-70°	192.1	175.8	159.4	142.7	128.7	116.0	101.8	86.5	70.5	59.2	49.7
-72.5°	105.7	96.5	87.2	77.9	67.8	61.3	55.3	48.5	41.2	33.4	27.8
-75°	52.4	48.7	44.9	41.2	37.0	32.3	29.7	28.0	26.2	24.5	22.7
-77.5°	28.9	28.1	27.3	26.4	25.4	24.2	23.0	21.7	20.7	19.7	18.6
-80°	22.0	21.5	20.9	20.2	19.3	18.5	17.6	16.9	16.2	15.7	15.1
-82.5°	16.7	16.2	15.8	15.4	15.0	14.6	14.2	13.8	13.3	12.8	12.2
-85°	12.5	12.3	12.2	12.1	11.9	11.8	11.6	11.3	11.0	10.7	10.5
-87.5°	10.0	9.8	9.5	9.5	9.5	9.4	9.4	9.3	9.2	9.1	9.0
-90°	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.1	1.1	1.1	1.1



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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°	7.2	6.9	6.7	6.4	6.4	6.4	6.4	6.4	6.1	5.9	5.6
87.5°	1.3	1.4	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.3
85°	1.4	1.6	1.9	2.1	2.1	2.1	2.1	2.1	2.3	2.5	2.6
82.5°	1.4	1.6	1.9	2.1	2.3	2.4	2.4	2.4	2.5	2.7	2.9
80°	1.9	1.9	2.0	2.1	2.4	2.7	2.8	2.9	2.8	2.9	3.0
77.5°	2.5	2.3	2.1	2.2	2.4	2.7	3.0	3.2	3.1	3.0	3.1
75°	3.2	3.0	2.8	2.6	2.6	2.7	3.0	3.2	3.2	3.2	3.2
72.5°	3.2	3.2	3.2	3.2	3.0	3.0	3.1	3.2	3.2	3.2	3.2
70°	5.0	3.5	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
67.5°	8.1	5.7	4.1	3.3	3.2	3.2	3.2	3.3	3.4	3.2	3.2
65°	14.2	9.1	5.2	4.3	3.6	3.2	3.2	3.4	3.6	3.4	3.2
62.5°	18.3	13.8	9.1	5.9	4.4	3.6	3.2	3.5	3.7	3.7	3.4
60°	20.2	16.0	12.6	9.1	6.0	4.2	3.7	3.5	3.8	4.0	3.7
57.5°	18.7	17.0	14.6	11.7	8.4	5.5	4.2	3.9	3.8	4.1	4.0
55°	15.9	14.9	15.6	13.5	10.4	7.2	5.0	4.3	4.0	4.1	4.3
52.5°	12.5	13.4	14.8	14.6	12.0	8.8	6.5	4.7	4.3	4.2	4.4
50°	10.0	12.0	14.2	14.9	13.4	10.5	7.8	5.8	4.7	4.3	4.4
47.5°	9.3	11.2	13.1	15.1	14.4	12.1	9.2	6.8	5.1	4.6	4.5
45°	10.2	11.0	12.5	14.3	15.6	13.4	10.7	7.6	5.8	5.0	4.5
42.5°	12.5	12.7	12.7	13.7	15.4	14.4	12.0	8.8	6.5	5.4	4.8
40°	18.0	16.0	13.9	15.0	15.4	15.4	13.0	10.0	7.0	5.8	5.1
37.5°	25.0	21.7	17.9	18.9	16.7	15.8	13.9	11.1	7.9	6.5	5.5
35°	48.4	29.7	30.5	28.0	22.0	16.6	14.7	12.0	9.2	7.1	5.8
32.5°	78.5	57.1	56.2	43.3	29.2	17.9	15.6	13.3	10.5	7.6	6.2
30°	128.8	118.6	93.4	62.6	40.2	24.5	17.3	14.7	11.8	8.2	6.7
27.5°	208.1	191.8	144.2	97.0	58.7	33.2	20.3	16.2	13.1	8.9	7.1
25°	288.3	267.6	214.8	142.5	79.8	51.5	24.1	17.8	14.4	10.0	7.6
22.5°	368.5	341.4	293.0	195.0	111.7	75.2	33.7	20.7	15.7	11.1	8.0
20°	445.0	414.6	371.5	238.8	150.5	103.3	51.0	24.0	16.9	12.1	8.4
17.5°	534.0	470.4	405.5	284.9	189.0	131.5	70.9	27.6	18.2	13.0	8.8
15°	670.8	503.9	436.2	326.0	222.4	159.6	92.9	31.3	19.5	14.0	9.1
12.5°	795.1	535.0	466.6	362.1	251.0	187.2	116.1	35.2	20.8	14.8	9.4
10°	911.4	563.9	496.1	393.2	275.5	214.2	139.9	39.2	22.4	15.4	9.7
7.5°	1016.7	590.4	524.0	419.6	294.5	231.8	156.0	43.1	24.1	15.9	10.0
5°	1099.7	611.3	547.0	438.4	301.8	238.4	168.6	46.8	25.7	16.4	10.2
2.5°	1127.2	624.7	565.4	453.0	307.5	242.9	178.7	50.2	27.3	16.7	10.4
0°	1133.1	635.6	580.4	463.4	311.4	245.5	186.0	53.1	28.7	17.0	10.6
-2.5°	1127.5	636.8	581.0	472.3	323.6	253.0	192.6	66.2	37.8	22.2	13.1
-5°	1101.8	636.1	578.7	476.8	333.7	259.1	196.6	78.6	46.5	27.1	15.5
-7.5°	1033.7	627.4	570.7	476.3	341.1	263.7	198.5	90.0	54.6	31.7	17.7
-10°	945.8	613.0	555.8	466.2	346.0	269.3	199.2	100.4	61.8	35.8	19.7
-12.5°	846.3	596.5	541.0	454.8	349.1	275.8	201.0	109.2	68.1	39.3	21.5
-15°	737.8	578.1	527.2	443.0	350.6	280.8	200.9	116.3	73.5	42.8	22.8
-17.5°	626.1	557.8	515.3	431.8	350.7	284.3	199.0	121.7	77.9	46.2	24.4
-20°	604.8	549.2	504.3	421.7	349.7	286.3	195.6	125.3	81.4	48.8	25.9



REPORT NUMBER: P731430 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	599.6	551.9	495.5	416.6	348.4	286.9	190.6	126.8	83.9	50.5	26.9
-25°	594.3	555.3	486.3	410.7	347.0	278.5	188.0	126.1	85.3	51.1	27.1
-27.5°	594.8	554.4	474.5	400.9	339.1	268.8	186.5	127.0	85.8	50.7	26.6
-30°	598.6	538.8	460.5	388.0	328.4	252.7	182.2	126.8	85.2	49.9	25.4
-32.5°	594.6	520.5	442.3	374.1	310.8	235.9	173.1	125.1	83.1	48.5	24.6
-35°	568.3	495.9	419.9	356.7	290.5	222.7	163.5	121.9	79.4	45.9	23.7
-37.5°	539.1	466.1	397.8	335.5	269.8	207.9	155.8	114.4	74.2	42.1	22.2
-40°	504.9	436.6	373.4	312.5	250.9	191.4	146.2	105.1	68.5	37.2	20.2
-42.5°	469.1	408.1	347.5	289.1	231.2	178.6	134.7	94.3	60.7	33.4	17.6
-45°	436.3	377.3	319.1	264.2	210.6	163.7	121.0	82.3	51.7	29.8	15.6
-47.5°	400.9	343.5	289.2	237.3	191.2	146.5	105.5	71.0	41.9	25.4	15.0
-50°	361.3	308.2	258.0	211.8	168.9	127.2	89.2	58.6	35.9	20.2	14.3
-52.5°	322.2	272.4	227.4	185.5	144.6	106.1	73.8	45.7	29.3	17.7	13.4
-55°	280.8	237.3	196.9	156.6	118.4	86.2	57.1	37.5	22.2	16.4	12.5
-57.5°	240.5	202.0	162.7	125.3	93.3	65.5	44.3	28.7	19.2	15.0	12.1
-60°	198.0	161.0	125.7	95.6	68.6	48.1	33.5	21.7	17.4	13.7	11.7
-62.5°	149.3	118.4	92.2	66.5	48.6	35.0	23.7	19.4	15.4	13.1	11.2
-65°	104.3	80.9	59.2	46.0	33.3	24.1	20.8	16.9	14.4	12.5	10.7
-67.5°	62.6	51.3	39.9	28.5	23.7	20.7	17.7	15.4	13.5	11.8	10.2
-70°	39.9	30.1	25.3	22.7	20.0	17.5	16.0	14.4	12.6	11.1	9.6
-72.5°	25.6	23.3	21.0	18.7	17.2	15.9	14.6	13.2	11.7	10.3	9.0
-75°	20.7	19.2	17.8	16.5	15.3	14.2	13.2	12.0	10.7	9.5	8.5
-77.5°	17.4	16.3	15.2	14.4	13.5	12.6	11.8	10.8	9.8	8.8	7.9
-80°	14.4	13.8	13.2	12.6	11.8	11.1	10.5	9.9	9.0	8.2	7.3
-82.5°	11.8	11.5	11.2	10.8	10.3	9.8	9.4	9.0	8.2	7.5	6.8
-85°	10.1	9.8	9.4	9.0	8.7	8.5	8.3	8.2	7.5	6.9	6.4
-87.5°	8.6	8.3	7.9	7.6	7.5	7.4	7.4	7.3	6.8	6.4	6.0
-90°	1.1	1.1	1.1	1.1	1.4	1.6	1.9	2.1	2.1	2.1	2.1



REPORT NUMBER: P731430 (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	5.1	4.8	4.6	4.3	3.7	3.2
87.5°	2.4	2.6	2.7	3.0	3.2	3.2	3.2
85°	2.7	2.7	2.8	3.0	3.2	3.2	3.2
82.5°	3.0	2.9	2.9	3.0	3.2	3.3	3.2
80°	3.2	3.1	3.0	3.1	3.2	3.3	3.2
77.5°	3.2	3.2	3.1	3.1	3.2	3.3	3.2
75°	3.2	3.3	3.2	3.1	3.2	3.3	3.2
72.5°	3.3	3.4	3.3	3.2	3.2	3.4	3.2
70°	3.3	3.4	3.4	3.2	3.2	3.4	3.2
67.5°	3.3	3.5	3.5	3.3	3.3	3.4	3.2
65°	3.3	3.6	3.6	3.4	3.3	3.5	3.2
62.5°	3.4	3.6	3.8	3.6	3.3	3.5	3.2
60°	3.4	3.7	3.9	3.7	3.3	3.5	3.2
57.5°	3.7	3.7	3.9	3.8	3.4	3.5	3.2
55°	3.9	3.7	3.9	3.9	3.5	3.6	3.2
52.5°	4.2	3.8	4.0	4.0	3.6	3.6	3.2
50°	4.5	4.0	4.0	4.1	3.7	3.6	3.2
47.5°	4.7	4.2	4.0	4.2	3.8	3.7	3.2
45°	4.7	4.4	4.1	4.3	3.8	3.7	3.2
42.5°	4.8	4.6	4.1	4.3	3.9	3.7	3.2
40°	4.8	4.8	4.2	4.3	4.0	3.8	3.2
37.5°	4.9	5.0	4.3	4.3	4.0	3.8	3.2
35°	4.9	5.1	4.5	4.4	4.1	3.8	3.2
32.5°	5.1	5.1	4.6	4.4	4.1	3.9	3.2
30°	5.4	5.2	4.8	4.4	4.2	3.9	3.2
27.5°	5.7	5.2	4.9	4.5	4.2	4.0	3.2
25°	6.0	5.3	5.0	4.6	4.2	4.0	3.2
22.5°	6.3	5.3	5.1	4.6	4.2	4.0	3.2
20°	6.6	5.4	5.1	4.7	4.3	4.1	3.2
17.5°	6.9	5.5	5.2	4.8	4.3	4.1	3.2
15°	7.2	5.6	5.2	4.8	4.3	4.1	3.2
12.5°	7.5	5.7	5.3	4.9	4.3	4.2	3.2
10°	7.7	5.9	5.3	5.0	4.3	4.2	3.2
7.5°	7.9	6.0	5.3	5.1	4.3	4.2	3.2
5°	8.2	6.1	5.3	5.2	4.3	4.2	3.2
2.5°	8.3	6.3	5.3	5.2	4.3	4.3	3.2
0°	8.5	6.4	5.3	5.3	4.3	4.3	3.2
-2.5°	9.3	6.7	5.5	5.4	4.3	4.3	3.2
-5°	10.1	7.1	5.7	5.4	4.4	4.3	3.2
-7.5°	10.9	7.4	5.8	5.5	4.4	4.4	3.2
-10°	11.6	7.7	6.0	5.5	4.5	4.4	3.2
-12.5°	12.1	8.0	6.2	5.6	4.5	4.4	3.2
-15°	12.6	8.2	6.3	5.6	4.6	4.4	3.2
-17.5°	13.0	8.4	6.5	5.7	4.6	4.4	3.2
-20°	13.4	8.5	6.6	5.7	4.6	4.4	3.2



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 CATALOG NUMBER: EPH-LS-08-0320N-57-80-2S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	13.9	8.7	6.7	5.7	4.7	4.4	3.2
-25°	14.1	8.8	6.8	5.7	4.7	4.4	3.2
-27.5°	14.0	8.9	6.8	5.7	4.8	4.4	3.2
-30°	13.6	9.0	6.9	5.7	4.8	4.4	3.2
-32.5°	12.8	8.9	7.0	5.7	4.8	4.4	3.2
-35°	12.4	8.9	7.0	5.7	4.9	4.4	3.2
-37.5°	12.3	8.8	7.1	5.6	4.9	4.4	3.2
-40°	12.1	8.8	7.1	5.6	4.9	4.4	3.2
-42.5°	11.8	8.8	7.1	5.6	5.0	4.4	3.2
-45°	11.4	8.8	7.1	5.5	5.0	4.3	3.2
-47.5°	10.9	8.7	7.0	5.5	5.0	4.3	3.2
-50°	10.7	8.7	6.9	5.5	5.1	4.3	3.2
-52.5°	10.5	8.5	6.8	5.6	5.1	4.3	3.2
-55°	10.3	8.4	6.7	5.6	5.1	4.3	3.2
-57.5°	10.0	8.2	6.6	5.6	5.1	4.2	3.2
-60°	9.7	8.0	6.5	5.6	5.2	4.2	3.2
-62.5°	9.4	7.8	6.4	5.6	5.1	4.2	3.2
-65°	9.1	7.5	6.3	5.6	5.0	4.1	3.2
-67.5°	8.7	7.3	6.2	5.6	5.0	4.1	3.2
-70°	8.3	7.0	6.1	5.5	4.9	4.1	3.2
-72.5°	7.9	6.8	6.0	5.4	4.9	4.0	3.2
-75°	7.4	6.5	5.8	5.3	4.8	4.0	3.2
-77.5°	6.9	6.2	5.7	5.2	4.7	4.0	3.2
-80°	6.4	6.0	5.5	5.1	4.6	3.9	3.2
-82.5°	6.1	5.7	5.3	4.9	4.6	3.9	3.2
-85°	5.9	5.5	5.2	4.8	4.5	3.8	3.2
-87.5°	5.6	5.3	5.0	4.7	4.4	3.8	3.2
-90°	2.1	2.4	2.7	2.9	3.2	3.2	3.2

(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

