

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: P731418 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-70-5S-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731418 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-34)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-57-70-5S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

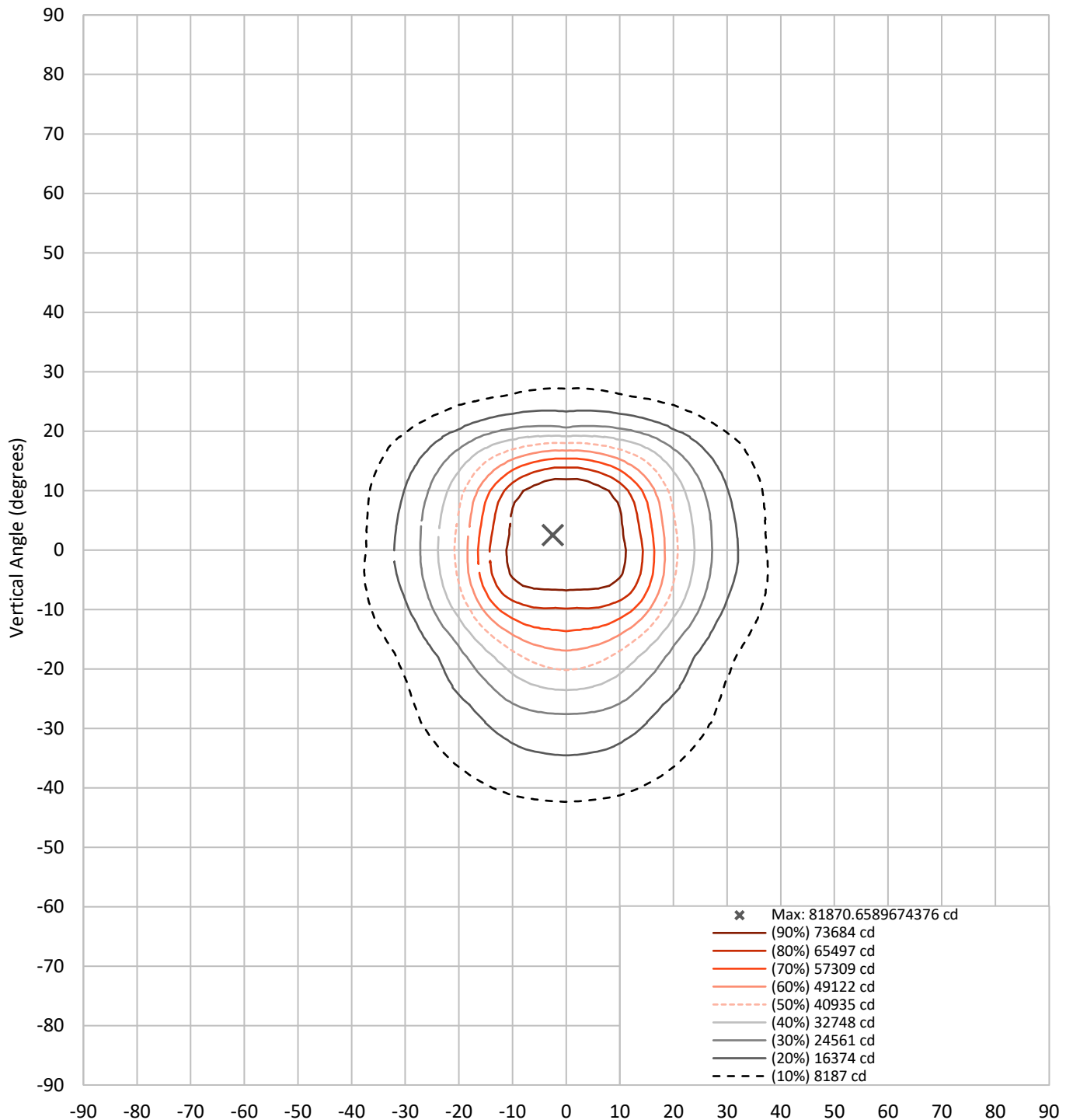
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	43709.5 lumens	Max Intensity:	81870.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	126.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.4°H x 38°V	Field Angle (10%):	74.2°H x 69.6°V
Beam Lumens:	24084.2 lumens	Field Lumens:	40649 lumens
Beam Efficiency:	55.1%	Field Efficiency:	93.0%

Input Watts (W): 345.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





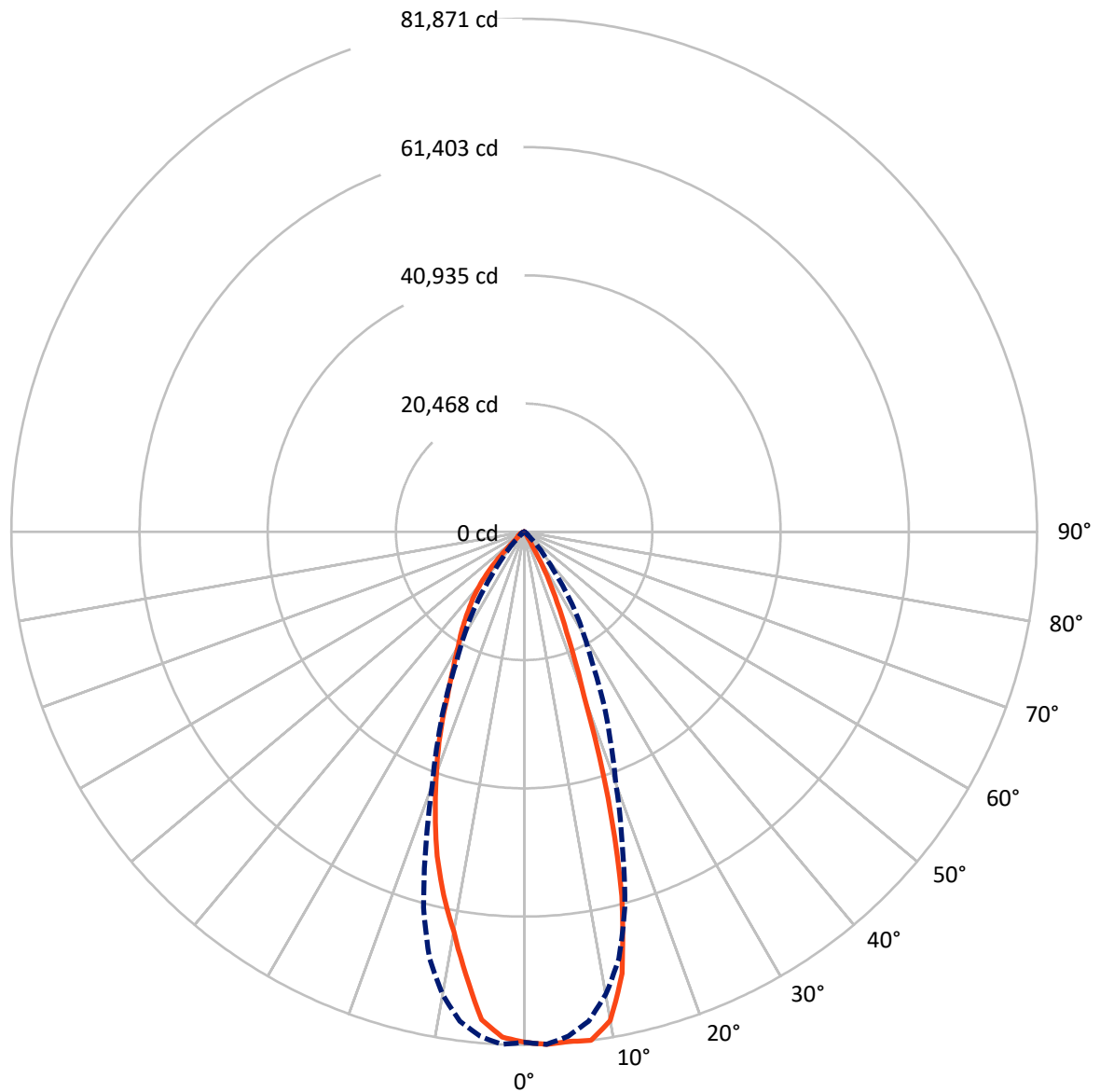
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Lumen Table

90																
80	0.1	0.2		0.3		0.3		0.2		0.3		0.3		0.2		0.1
70																
60	0.1	0.0	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.0	0.1
50		0.1	0.1	0.4	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.4	0.1	0.1	
40	0.1	0.1	0.2	0.3	0.4	0.6	0.7	0.7	0.7	0.7	0.6	0.4	0.3	0.2	0.1	0.1
30		0.1	0.4	1.3	2.9	6.2	14.6	20.8	20.8	14.6	6.2	2.9	1.3	0.4	0.1	
20	0.1	0.2	2.3	8.7	47.7	146.3	294.4	396.1	396.1	294.4	146.3	47.7	8.7	2.3	0.2	0.1
10		0.7	5.7	31.5	196.4	559.1	1159.1	1669.3	1669.3	1159.1	559.1	196.4	31.5	5.7	0.7	
0	0.1	1.1	7.7	49.7	282.3	804.3	1737.9	2403.2	2403.2	1737.9	804.3	282.3	49.7	7.7	1.1	0.1
-10		1.3	8.2	52.0	284.3	784.1	1712.6	2270.1	2270.1	1712.6	784.1	284.3	52.0	8.2	1.3	
-20	0.2	1.6	7.9	34.9	186.9	517.2	1100.3	1565.0	1565.0	1100.3	517.2	186.9	34.9	7.9	1.6	0.2
-30		1.5	7.5	19.4	110.2	316.8	615.7	870.8	870.8	615.7	316.8	110.2	19.4	7.5	1.5	
-40	0.2	1.2	6.1	14.5	44.3	174.6	340.7	466.3	466.3	340.7	174.6	44.3	14.5	6.1	1.2	0.2
-50		0.8	4.0	11.3	21.8	40.6	96.3	149.6	149.6	96.3	40.6	21.8	11.3	4.0	0.8	
-60	0.1	0.4	2.0	6.2	13.4	21.8	29.7	34.4	34.4	29.7	21.8	13.4	6.2	2.0	0.4	0.1
-70		0.2	0.7	2.1	4.6	7.8	11.5	13.6	13.6	11.5	7.8	4.6	2.1	0.7	0.2	
-80																
-90	0.1	0.4		1.5		3.7		4.9		3.7		1.5		0.4		0.1

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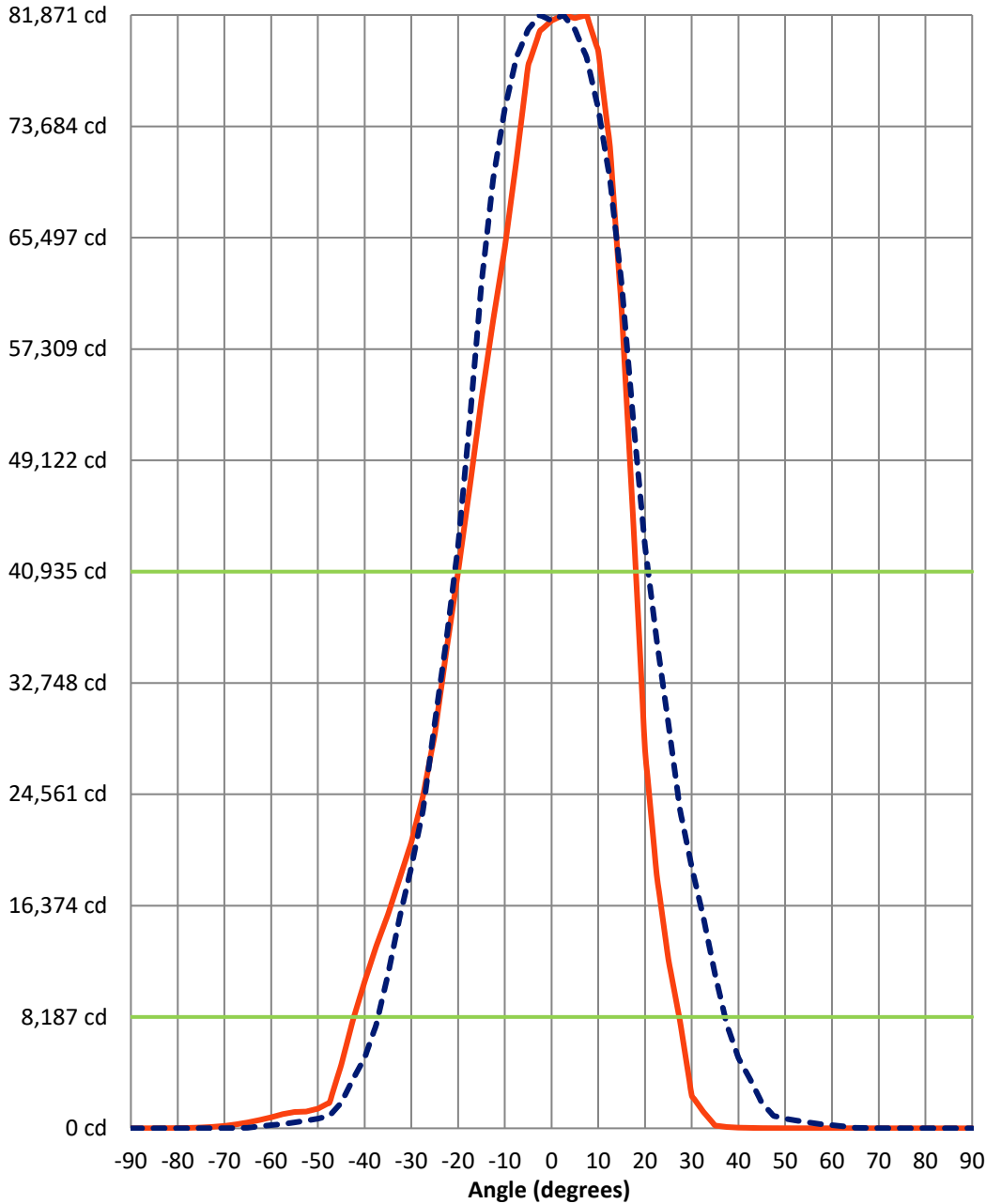
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 2.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 41.4°
 V Angle: 38°
 Lumens: 24084.2
 Efficiency: 55.1%

Field:
 H Angle: 74.2°
 V Angle: 69.6°
 Lumens: 40649
 Efficiency: 93.0%

Spill:
 Lumens: 3060.5
 Efficiency: 7.0%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through 2.5-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°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.2	2.9	2.6	2.3
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.2	2.9	2.6	2.3
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.2	2.9	2.7	2.6
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.3	3.1	3.1	3.1
77.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.3	3.4	3.5
75°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
72.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
70°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
67.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
65°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
62.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
60°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
57.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.5	3.5	3.5	3.6
55°	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.5	3.6	3.8
52.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.7	3.6	3.5	3.8	4.0
50°	3.5	3.5	3.5	3.5	3.5	3.6	3.8	3.7	3.6	4.1	4.7
47.5°	3.5	3.5	3.5	3.5	3.5	3.7	4.0	3.7	3.9	4.5	5.3
45°	3.5	3.5	3.5	3.5	3.5	3.9	4.0	3.8	4.3	4.9	5.8
42.5°	3.5	3.5	3.5	3.5	3.5	4.0	4.1	4.0	4.7	5.3	6.2
40°	3.5	3.5	3.5	3.5	3.6	4.2	4.1	4.3	5.0	5.7	6.5
37.5°	3.5	3.5	3.5	3.5	3.7	4.3	4.2	4.6	5.4	6.1	6.8
35°	3.5	3.5	3.5	3.6	3.8	4.4	4.3	4.9	5.7	6.5	7.3
32.5°	3.5	3.5	3.5	3.6	3.9	4.5	4.4	5.2	6.0	6.9	8.2
30°	3.5	3.5	3.5	3.7	4.0	4.5	4.6	5.5	6.3	7.4	9.4
27.5°	3.5	3.5	3.5	3.7	4.2	4.6	4.8	5.7	6.6	7.9	10.7
25°	3.5	3.5	3.5	3.8	4.3	4.7	5.0	6.0	7.0	8.8	12.2
22.5°	3.5	3.5	3.5	3.9	4.4	4.7	5.2	6.2	7.4	9.9	14.9
20°	3.5	3.5	3.5	4.0	4.5	4.7	5.4	6.4	7.8	11.1	17.9
17.5°	3.5	3.5	3.5	4.1	4.6	4.7	5.6	6.6	8.2	12.3	21.0
15°	3.5	3.5	3.5	4.2	4.6	4.7	5.6	6.7	8.6	13.5	24.3
12.5°	3.5	3.5	3.5	4.3	4.6	4.7	5.7	6.8	9.0	14.8	27.5
10°	3.5	3.5	3.5	4.3	4.7	4.7	5.8	6.9	9.4	16.1	30.7
7.5°	3.5	3.5	3.5	4.4	4.7	4.7	5.8	6.9	9.7	17.5	33.7
5°	3.5	3.5	3.5	4.5	4.7	4.7	5.9	7.0	10.0	18.8	36.4
2.5°	3.5	3.5	3.5	4.6	4.7	4.7	5.9	7.0	10.3	20.0	38.9
0°	3.5	3.5	3.5	4.7	4.7	4.7	5.9	7.0	10.5	21.1	41.0
-2.5°	3.5	3.5	3.6	4.7	4.7	4.8	6.2	8.3	14.1	27.5	51.1
-5°	3.5	3.5	3.6	4.7	4.7	5.0	6.5	9.5	17.5	33.6	60.6
-7.5°	3.5	3.5	3.7	4.7	4.7	5.1	6.7	10.6	20.6	39.2	69.3
-10°	3.5	3.5	3.7	4.7	4.7	5.2	7.0	11.6	23.4	44.2	77.0
-12.5°	3.5	3.5	3.7	4.6	4.7	5.3	7.1	12.4	25.7	48.5	84.3
-15°	3.5	3.5	3.8	4.6	4.7	5.4	7.3	13.0	27.8	52.7	90.6
-17.5°	3.5	3.5	3.8	4.6	4.7	5.4	7.4	14.0	29.8	55.9	95.2
-20°	3.5	3.5	3.9	4.6	4.7	5.4	7.7	15.2	31.2	58.0	97.9



REPORT NUMBER: P731418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-5S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.5	3.5	3.9	4.6	4.7	5.4	8.3	16.0	32.0	58.9	98.6
-25°	3.5	3.5	3.9	4.6	4.7	5.5	8.7	16.4	31.9	58.6	97.0
-27.5°	3.5	3.5	3.9	4.6	4.7	5.6	8.9	16.5	31.0	57.5	96.4
-30°	3.5	3.5	3.9	4.6	4.7	5.6	9.0	16.1	30.5	56.4	94.1
-32.5°	3.5	3.5	3.9	4.6	4.8	5.6	8.7	15.9	30.0	54.2	90.0
-35°	3.5	3.5	3.9	4.6	4.8	5.4	8.6	15.7	28.9	50.8	84.0
-37.5°	3.5	3.5	3.9	4.6	4.9	5.3	8.4	15.1	27.2	46.3	76.3
-40°	3.5	3.5	3.9	4.7	4.9	5.4	8.1	14.1	24.8	42.9	68.8
-42.5°	3.5	3.5	3.9	4.7	4.9	5.4	7.6	12.8	22.8	38.9	60.3
-45°	3.5	3.5	3.9	4.7	4.9	5.4	7.0	11.5	20.9	34.4	51.6
-47.5°	3.5	3.5	3.8	4.7	4.9	5.4	6.3	10.6	18.5	29.4	45.9
-50°	3.5	3.5	3.8	4.6	4.9	5.4	6.1	9.5	15.5	25.9	39.6
-52.5°	3.5	3.5	3.7	4.5	4.9	5.3	6.0	8.2	13.4	22.0	33.2
-55°	3.5	3.5	3.6	4.4	4.8	5.2	5.9	6.9	11.5	17.7	28.2
-57.5°	3.5	3.5	3.6	4.3	4.8	5.2	5.8	6.7	9.5	14.9	22.8
-60°	3.5	3.5	3.5	4.2	4.7	5.0	5.6	6.5	7.8	12.2	17.8
-62.5°	3.5	3.5	3.5	4.1	4.6	4.9	5.4	6.2	7.4	9.4	14.5
-65°	3.5	3.5	3.5	4.0	4.5	4.8	5.2	5.9	6.9	8.3	10.9
-67.5°	3.5	3.5	3.5	3.9	4.4	4.7	5.0	5.6	6.3	7.5	9.1
-70°	3.5	3.5	3.5	3.8	4.3	4.6	4.7	5.3	6.0	6.6	7.9
-72.5°	3.5	3.5	3.5	3.7	4.2	4.5	4.7	5.0	5.6	6.2	6.8
-75°	3.5	3.5	3.5	3.7	4.1	4.4	4.7	4.9	5.3	5.8	6.4
-77.5°	3.5	3.5	3.5	3.7	4.0	4.4	4.7	4.8	5.1	5.5	5.9
-80°	3.5	3.5	3.5	3.6	3.9	4.3	4.7	4.8	4.9	5.2	5.5
-82.5°	3.5	3.5	3.5	3.6	3.8	4.1	4.4	4.6	4.7	4.8	5.0
-85°	3.5	3.5	3.5	3.6	3.7	3.9	4.1	4.2	4.3	4.4	4.5
-87.5°	3.5	3.5	3.5	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.0
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.2	2.9	2.6	2.3



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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°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	2.7	2.6	2.5	2.3	2.3	2.3	2.3	2.4	2.5	2.5	2.4
80°	3.1	2.9	2.6	2.3	2.4	2.6	2.9	3.2	3.2	3.0	2.8
77.5°	3.3	3.0	2.7	2.4	2.5	3.0	3.3	3.5	3.4	3.4	3.5
75°	3.3	3.0	2.9	2.9	3.1	3.4	3.5	3.7	3.9	3.9	3.8
72.5°	3.4	3.3	3.3	3.5	3.5	3.7	4.0	4.4	4.7	4.7	4.6
70°	3.5	3.5	3.5	3.5	3.6	4.0	4.6	5.2	5.6	5.8	6.4
67.5°	3.5	3.5	3.5	3.6	4.0	4.7	5.3	6.7	8.4	9.1	9.7
65°	3.5	3.5	3.6	4.0	4.6	5.6	7.0	9.0	12.5	14.1	14.9
62.5°	3.5	3.6	3.9	4.5	5.3	6.5	9.4	13.3	17.6	20.0	19.6
60°	3.5	3.6	4.4	5.3	6.3	8.8	12.7	17.2	22.8	26.8	24.0
57.5°	3.6	4.1	5.3	6.4	8.4	10.9	14.9	20.3	26.0	32.0	27.6
55°	4.0	5.1	6.3	7.8	9.9	11.9	15.9	20.9	27.1	31.0	27.2
52.5°	4.9	6.0	7.0	8.8	10.9	12.5	14.9	19.5	23.2	26.4	24.3
50°	5.7	6.4	7.6	9.7	11.5	12.5	12.3	15.9	19.0	20.4	20.6
47.5°	6.2	6.9	8.3	10.4	11.9	12.1	11.0	12.8	15.1	16.6	16.2
45°	6.6	7.7	9.2	11.0	12.1	11.7	11.5	10.8	13.7	15.0	15.3
42.5°	7.0	8.6	10.4	11.7	12.2	12.8	13.1	13.2	14.7	17.6	19.1
40°	7.7	9.4	11.8	13.0	13.2	15.2	17.3	18.9	19.9	23.8	26.7
37.5°	8.4	10.9	13.7	15.8	16.1	19.6	22.9	33.2	35.3	32.2	42.4
35°	9.1	12.5	17.3	22.3	25.1	26.0	40.3	54.3	60.3	59.0	67.6
32.5°	10.3	14.3	22.0	33.2	44.3	47.2	62.4	86.2	107.4	115.9	110.7
30°	12.4	18.7	29.5	47.2	72.3	100.0	104.4	130.7	173.6	208.5	260.8
27.5°	15.4	24.4	42.9	72.9	113.1	169.7	183.6	206.5	270.3	358.0	526.4
25°	18.9	38.8	58.2	107.1	181.6	248.0	274.1	317.3	391.2	674.9	1062.7
22.5°	26.6	58.1	89.6	146.5	261.4	330.0	377.2	449.7	625.4	1078.4	1833.4
20°	40.5	84.8	129.3	196.2	345.8	416.5	480.0	590.2	982.7	1824.8	3052.0
17.5°	56.9	113.7	170.4	256.2	391.4	488.0	586.2	734.3	1357.6	2695.3	4325.8
15°	75.1	144.2	209.0	308.1	431.3	535.1	672.3	1013.5	1952.7	3689.3	5495.9
12.5°	94.6	175.8	245.1	352.4	468.3	579.4	742.8	1252.1	2573.0	4592.3	6698.0
10°	114.7	207.6	278.9	389.8	502.2	620.5	806.7	1470.2	3010.4	4931.0	7273.8
7.5°	127.2	227.5	306.1	420.8	532.9	657.9	863.3	1662.7	3319.8	5101.9	7511.0
5°	136.6	232.6	308.8	430.0	552.5	687.7	907.5	1824.2	3512.2	5126.0	7584.3
2.5°	143.8	234.6	309.4	432.8	564.3	707.9	922.7	1877.6	3600.4	5173.0	7634.9
0°	148.6	234.1	307.8	431.8	572.3	723.3	928.1	1887.7	3602.3	5203.3	7653.9
-2.5°	156.5	242.5	323.5	450.0	581.3	726.5	935.7	1940.8	3777.1	5530.9	8231.4
-5°	162.2	248.7	336.5	464.1	586.7	724.9	934.4	1943.7	3799.0	5606.8	8254.9
-7.5°	165.7	252.9	346.3	472.5	582.0	706.7	902.4	1786.7	3464.7	5263.0	7694.0
-10°	167.7	258.1	353.3	467.6	564.6	676.8	857.1	1592.4	3065.0	4820.7	7016.3
-12.5°	171.6	264.3	357.8	461.9	548.5	643.8	803.8	1366.5	2611.0	4280.0	6230.8
-15°	172.8	268.4	360.1	456.3	535.0	608.3	742.7	1113.3	2156.0	3805.3	5453.3
-17.5°	171.3	270.3	360.2	451.8	525.3	570.9	680.3	894.5	1816.8	3344.5	4865.2
-20°	167.0	270.2	358.3	449.0	519.4	558.6	659.7	846.8	1525.3	2804.7	4309.5



REPORT NUMBER: P731418 (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°	159.8	267.9	354.8	444.2	518.8	569.9	642.2	786.8	1159.6	2181.3	3733.5
-25°	155.1	257.8	349.4	432.0	515.3	582.1	623.4	722.5	930.6	1705.2	2957.3
-27.5°	152.9	244.3	333.2	414.4	506.3	589.1	627.0	699.2	846.4	1182.3	2139.6
-30°	147.7	221.6	313.7	392.3	485.1	575.1	640.8	675.0	770.2	965.9	1529.0
-32.5°	137.4	198.3	287.9	368.3	455.8	554.5	643.3	677.0	738.5	851.2	1062.2
-35°	125.4	183.4	259.7	340.5	420.6	520.6	614.6	686.5	713.5	795.0	942.4
-37.5°	114.9	165.9	231.0	309.4	386.9	479.0	582.4	666.1	721.6	757.3	866.2
-40°	102.7	146.0	207.2	277.6	352.9	436.9	532.6	630.3	709.1	776.7	822.4
-42.5°	89.4	130.6	182.7	245.8	318.4	396.3	479.2	575.9	676.7	773.1	843.6
-45°	79.0	113.5	156.9	216.2	281.9	353.8	431.4	513.1	618.4	727.2	825.6
-47.5°	67.6	96.3	135.9	183.9	244.8	310.7	381.1	458.4	545.2	649.8	762.9
-50°	56.5	82.3	112.9	155.8	206.6	266.4	330.9	398.3	475.1	562.1	661.6
-52.5°	48.9	67.3	94.5	127.3	170.9	221.7	278.7	338.3	403.8	475.3	557.0
-55°	40.7	56.6	76.4	103.4	136.3	179.7	226.1	279.0	333.4	395.6	458.5
-57.5°	33.6	46.6	62.0	81.8	108.2	138.1	178.4	220.1	268.5	318.8	368.9
-60°	26.8	37.2	49.8	65.0	82.8	107.5	133.1	167.9	206.6	244.5	286.4
-62.5°	20.2	28.6	38.6	50.4	65.0	79.3	99.7	123.5	148.8	180.1	210.8
-65°	15.9	20.7	28.3	37.8	48.1	60.4	73.1	86.0	106.3	126.5	145.7
-67.5°	11.4	15.7	20.2	25.5	34.3	42.9	52.1	63.3	74.6	85.2	97.6
-70°	9.4	11.1	14.6	18.6	22.4	27.0	34.6	42.5	50.5	58.5	67.4
-72.5°	7.9	9.3	10.8	12.5	15.6	18.7	21.6	24.5	29.6	36.2	42.4
-75°	6.9	7.5	8.6	10.0	11.3	12.6	13.9	16.4	18.9	21.5	24.0
-77.5°	6.3	6.7	7.2	7.8	8.6	9.6	10.7	11.7	12.7	13.7	14.6
-80°	5.7	5.9	6.2	6.5	7.0	7.5	8.1	8.7	9.4	10.2	11.0
-82.5°	5.2	5.3	5.4	5.6	5.7	5.8	6.0	6.3	6.7	7.1	7.5
-85°	4.6	4.7	4.8	4.9	5.0	5.0	5.1	5.2	5.3	5.3	5.4
-87.5°	4.1	4.1	4.1	4.2	4.2	4.3	4.3	4.3	4.4	4.4	4.5
-90°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3



REPORT NUMBER: P731418 (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°	3.5	3.5	3.5	3.5	3.5	3.2	2.9	2.6	2.3	2.3	2.3
87.5°	2.3	2.3	2.3	2.3	2.3	2.0	1.8	1.5	1.2	1.2	1.2
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.0	1.7
82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.0	1.8
80°	2.7	2.6	2.6	2.5	2.3	2.3	2.3	2.3	2.3	2.0	1.8
77.5°	3.5	3.3	3.0	2.7	2.4	2.3	2.3	2.3	2.3	2.1	1.8
75°	3.6	3.4	3.2	3.1	2.9	2.8	2.7	2.6	2.3	2.3	2.3
72.5°	4.5	4.4	4.4	4.5	4.4	4.3	4.1	3.8	3.4	3.3	3.4
70°	6.8	7.0	7.1	7.0	6.6	6.0	5.5	5.1	4.6	4.5	4.5
67.5°	10.4	10.5	10.2	9.4	8.2	7.1	6.5	5.8	5.1	4.8	5.1
65°	14.7	13.0	11.6	10.4	9.3	8.3	7.5	6.8	6.0	5.9	6.6
62.5°	17.6	13.8	11.7	10.7	10.0	9.3	8.2	7.3	6.4	6.0	6.1
60°	20.0	14.7	11.1	10.1	9.2	8.3	7.3	6.4	5.6	5.1	4.9
57.5°	21.1	15.0	10.1	8.9	7.6	6.4	5.8	5.6	5.2	4.7	5.0
55°	20.3	13.9	8.7	7.7	7.3	7.0	6.8	6.2	5.8	5.5	5.7
52.5°	17.4	12.7	9.2	8.0	7.7	7.3	7.0	6.9	6.8	6.6	6.7
50°	15.5	11.9	9.5	8.1	8.1	8.1	8.1	8.2	8.3	8.4	8.5
47.5°	13.9	11.2	10.6	9.3	9.5	10.2	10.3	10.5	11.2	11.1	10.8
45°	13.9	14.9	14.6	13.7	13.2	18.4	18.8	15.7	18.7	18.3	16.0
42.5°	20.3	21.7	22.0	27.1	36.7	36.2	35.2	39.9	36.7	32.1	28.8
40°	31.4	31.4	37.3	45.8	45.5	43.7	49.5	50.3	49.9	52.5	51.7
37.5°	50.0	50.7	53.3	58.4	67.4	63.2	75.8	84.0	85.3	96.6	105.3
35°	83.2	97.5	84.8	115.2	135.1	130.8	149.3	182.3	151.2	231.5	246.0
32.5°	156.0	188.1	212.8	247.5	292.4	358.7	363.7	598.3	645.2	783.8	973.1
30°	268.6	361.8	540.8	587.5	659.7	934.3	1259.0	1665.2	2042.9	2312.6	2667.5
27.5°	646.8	800.7	1186.2	1605.1	1580.7	2093.8	3255.1	3612.3	4592.9	4919.2	5746.9
25°	1446.7	1815.2	2748.4	3580.2	4004.1	5355.9	6888.1	7579.0	8870.8	9557.6	10570.9
22.5°	2829.1	3840.1	5077.9	6355.2	7946.8	10016.7	11910.7	13293.2	15032.4	16428.8	17255.3
20°	4579.1	5978.0	7884.3	9868.3	12330.1	15049.5	17026.4	19827.3	22443.2	24927.2	26047.6
17.5°	6245.5	8582.8	10889.1	13283.8	16513.1	20070.2	23292.2	27388.7	31726.2	35061.7	37780.9
15°	7657.5	10258.3	13585.8	16447.7	20144.0	24579.8	29369.7	34606.9	40844.8	45585.9	50691.6
12.5°	8960.8	11568.7	15179.0	18597.2	23574.2	28584.1	34173.8	40681.2	47892.0	54905.4	61484.3
10°	9800.0	12805.6	16674.4	20827.1	25925.4	31742.8	38101.4	45391.3	54632.0	62650.1	70061.8
7.5°	10307.6	13933.6	17939.7	22367.8	27825.5	33811.9	40508.4	49102.4	58811.6	67186.6	73845.2
5°	10806.9	14857.8	18756.5	23110.5	29062.3	35154.0	41685.7	50306.2	60320.5	68703.5	74682.8
2.5°	11307.6	15494.0	19205.2	23406.0	29764.6	35912.5	42828.0	52012.0	62077.9	69777.0	74971.0
0°	11765.3	15721.0	19366.5	23480.2	30070.3	36243.8	43284.5	52353.3	63582.6	70987.2	76016.1
-2.5°	11931.2	15708.7	19192.0	23270.7	29815.0	35790.4	42797.6	52571.0	63050.2	70584.8	75691.2
-5°	11426.5	14854.4	18244.3	22375.6	28459.1	34626.9	41681.2	51372.4	61319.8	69120.0	73989.4
-7.5°	10477.4	13574.7	16909.0	21002.8	26530.2	32490.4	38912.1	47377.1	57170.2	64436.9	68272.1
-10°	9484.0	12140.7	15290.5	19079.5	23950.5	29610.6	34933.6	42136.4	51187.7	57630.0	61554.8
-12.5°	8348.5	10504.2	13411.5	16723.3	21071.2	26005.8	30874.4	36966.7	43879.2	50505.3	54591.5
-15°	7156.3	8891.2	11417.3	14595.2	18028.9	21719.8	26222.1	31157.1	36669.0	42039.8	46694.7
-17.5°	6202.1	7540.9	9858.9	12714.9	15333.2	18327.5	22715.6	26727.5	30761.4	35093.0	38970.8
-20°	5588.4	6845.1	8717.5	11102.1	13699.4	16717.8	20108.8	23617.7	27367.5	30693.2	34111.0



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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°	5098.5	6390.2	7835.0	9822.3	12586.9	15359.9	17968.4	20653.7	23764.7	27161.7	30025.0
-25°	4462.2	5816.8	7189.4	9079.6	11407.2	13858.2	15778.7	17690.6	20497.6	23386.6	25753.6
-27.5°	3577.4	5108.9	6711.4	8250.0	10234.1	11977.3	13664.9	15397.7	17845.2	20283.8	22052.4
-30°	2552.7	4321.7	5986.0	7558.1	8920.4	10293.0	11704.5	13478.2	15524.2	17486.4	18989.8
-32.5°	1867.9	3193.4	4993.2	6597.7	7930.9	9080.0	10164.0	11742.3	13343.0	14916.4	16353.3
-35°	1191.9	2160.8	3563.2	5197.1	6762.2	7982.1	9160.8	10304.4	11507.4	12848.4	14091.8
-37.5°	1026.2	1286.8	2148.4	3367.3	4867.4	6461.5	7620.3	8758.7	9986.8	10994.2	12039.6
-40°	930.1	1066.1	1284.5	1716.8	2849.5	3974.1	5276.0	6493.6	7667.4	8701.5	9656.8
-42.5°	888.1	969.6	1057.7	1221.7	1404.5	1943.7	2892.9	3779.4	4824.2	5862.2	6768.8
-45°	909.4	937.4	982.2	1062.9	1137.7	1289.5	1449.5	1616.6	2330.5	3079.1	3720.5
-47.5°	851.2	932.7	976.2	1011.3	1049.7	1115.8	1184.2	1277.3	1438.2	1601.3	1730.5
-50°	754.5	841.4	917.7	993.0	1029.4	1055.8	1083.9	1138.5	1213.2	1290.0	1346.6
-52.5°	634.4	718.5	802.4	878.6	940.8	1000.8	1060.2	1104.8	1143.8	1182.4	1201.1
-55°	526.9	597.0	664.7	733.3	801.0	865.3	931.0	997.9	1060.1	1117.5	1145.9
-57.5°	425.9	484.6	542.8	595.2	649.2	704.1	765.0	830.0	894.3	954.4	985.4
-60°	330.0	375.1	422.7	465.4	505.5	543.0	595.7	649.0	700.0	743.6	766.7
-62.5°	241.3	276.3	312.4	346.4	378.5	410.4	450.0	488.6	525.7	555.6	573.0
-65°	167.3	193.3	217.6	241.0	263.8	291.0	321.0	349.9	377.3	397.8	409.3
-67.5°	114.2	129.7	143.2	155.8	172.2	191.3	212.4	232.2	250.6	264.0	272.9
-70°	76.3	84.7	92.1	100.7	111.0	121.5	132.9	144.1	155.0	162.6	167.3
-72.5°	48.4	53.7	58.8	64.7	70.2	75.8	81.3	86.5	91.2	95.5	99.6
-75°	26.5	29.4	33.4	37.1	40.6	44.3	47.9	51.1	53.9	55.8	57.2
-77.5°	16.2	18.1	19.7	21.2	22.5	24.2	26.0	27.9	29.8	31.1	32.1
-80°	11.7	12.3	12.9	13.5	14.1	14.7	15.1	15.5	15.7	16.2	16.7
-82.5°	8.0	8.3	8.6	8.9	9.2	9.7	10.2	10.7	11.2	11.6	12.0
-85°	5.5	5.4	5.4	5.4	5.5	5.8	6.1	6.4	6.8	6.8	6.9
-87.5°	4.5	4.3	4.0	3.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-90°	2.3	2.3	2.3	2.3	2.3	2.0	1.8	1.5	1.2	1.2	1.2



REPORT NUMBER: P731418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-5S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.6
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5
85°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.7	2.0	2.2	2.2
82.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.0	2.3	2.3
80°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.0	2.3	2.3
77.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.3	2.3
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.6
72.5°	3.4	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.4	3.8
70°	4.6	4.7	4.7	4.7	4.7	4.7	4.6	4.5	4.5	4.6	5.1
67.5°	5.5	5.8	5.9	5.9	5.9	5.8	5.5	5.1	4.8	5.1	5.8
65°	7.3	8.0	7.6	7.0	7.6	8.0	7.3	6.6	5.9	6.0	6.8
62.5°	6.1	6.0	5.9	5.9	5.9	6.0	6.1	6.1	6.0	6.4	7.3
60°	4.8	4.8	4.7	4.7	4.7	4.8	4.8	4.9	5.1	5.6	6.4
57.5°	5.3	5.7	5.9	5.9	5.9	5.7	5.3	5.0	4.7	5.2	5.6
55°	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.7	5.5	5.8	6.2
52.5°	6.8	6.9	7.0	7.0	7.0	6.9	6.8	6.7	6.6	6.8	6.9
50°	8.5	8.3	8.2	8.2	8.2	8.3	8.5	8.5	8.4	8.3	8.2
47.5°	10.7	10.5	10.5	10.5	10.5	10.5	10.7	10.8	11.1	11.2	10.5
45°	16.0	15.5	15.1	15.2	15.1	15.5	16.0	16.0	18.3	18.7	15.7
42.5°	30.6	31.7	33.0	35.1	33.0	31.7	30.6	28.8	32.1	36.7	39.9
40°	52.2	50.7	48.8	49.2	48.8	50.7	52.2	51.7	52.5	49.9	50.3
37.5°	108.6	104.5	96.6	91.3	96.6	104.5	108.6	105.3	96.6	85.3	84.0
35°	223.1	217.8	205.0	201.3	205.0	217.8	223.1	246.0	231.5	151.2	182.3
32.5°	1050.2	1170.6	1208.4	1210.1	1208.4	1170.6	1050.2	973.1	783.8	645.2	598.3
30°	2695.1	2665.8	2405.7	2138.2	2405.7	2665.8	2695.1	2667.5	2312.6	2042.9	1665.2
27.5°	6486.2	7278.6	7850.9	7665.6	7850.9	7278.6	6486.2	5746.9	4919.2	4592.9	3612.3
25°	11682.3	12243.1	12427.1	12153.8	12427.1	12243.1	11682.3	10570.9	9557.6	8870.8	7579.0
22.5°	18341.0	18677.8	18648.4	18033.5	18648.4	18677.8	18341.0	17255.3	16428.8	15032.4	13293.2
20°	27620.0	27566.4	27842.3	26590.9	27842.3	27566.4	27620.0	26047.6	24927.2	22443.2	19827.3
17.5°	40743.9	42899.4	44540.6	44383.4	44540.6	42899.4	40743.9	37780.9	35061.7	31726.2	27388.7
15°	54685.1	57942.0	60168.2	60312.7	60168.2	57942.0	54685.1	50691.6	45585.9	40844.8	34606.9
12.5°	66803.7	70286.7	72177.4	71890.2	72177.4	70286.7	66803.7	61484.3	54905.4	47892.0	40681.2
10°	74523.6	77204.5	79194.3	79688.6	79194.3	77204.5	74523.6	70061.8	62650.1	54632.0	45391.3
7.5°	77619.1	80128.3	81862.8	81836.7	81862.8	80128.3	77619.1	73845.2	67186.6	58811.6	49102.4
5°	78192.0	80662.5	81644.2	81830.3	81644.2	80662.5	78192.0	74682.8	68703.5	60320.5	50306.2
2.5°	78755.3	80803.6	81870.7	81465.1	81870.7	80803.6	78755.3	74971.0	69777.0	62077.9	52012.0
0°	78975.8	80617.8	81451.7	81193.6	81451.7	80617.8	78975.8	76016.1	70987.2	63582.6	52353.3
-2.5°	78900.3	79980.4	80686.3	80442.3	80686.3	79980.4	78900.3	75691.2	70584.8	63050.2	52571.0
-5°	76881.2	77811.4	78140.3	78320.5	78140.3	77811.4	76881.2	73989.4	69120.0	61319.8	51372.4
-7.5°	70392.8	71615.3	71222.2	71815.2	71222.2	71615.3	70392.8	68272.1	64436.9	57170.2	47377.1
-10°	63973.9	65163.6	64755.5	65137.9	64755.5	65163.6	63973.9	61554.8	57630.0	51187.7	42136.4
-12.5°	57921.1	59417.6	59395.4	59938.2	59395.4	59417.6	57921.1	54591.5	50505.3	43879.2	36966.7
-15°	50644.1	52550.1	53588.0	54253.9	53588.0	52550.1	50644.1	46694.7	42039.8	36669.0	31157.1
-17.5°	42957.2	45408.2	47154.3	47422.7	47154.3	45408.2	42957.2	38970.8	35093.0	30761.4	26727.5
-20°	37047.4	39257.1	40900.5	41430.7	40900.5	39257.1	37047.4	34111.0	30693.2	27367.5	23617.7



REPORT NUMBER: P731418 (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°	32096.8	33920.2	35108.6	35401.2	35108.6	33920.2	32096.8	30025.0	27161.7	23764.7	20653.7
-25°	27304.4	28324.0	28947.7	29183.2	28947.7	28324.0	27304.4	25753.6	23386.6	20497.6	17690.6
-27.5°	23404.0	24131.2	24442.5	24565.1	24442.5	24131.2	23404.0	22052.4	20283.8	17845.2	15397.7
-30°	20138.9	20697.3	21039.5	21166.5	21039.5	20697.3	20138.9	18989.8	17486.4	15524.2	13478.2
-32.5°	17451.2	18007.1	18367.6	18497.0	18367.6	18007.1	17451.2	16353.3	14916.4	13343.0	11742.3
-35°	14934.7	15394.2	15722.7	15875.5	15722.7	15394.2	14934.7	14091.8	12848.4	11507.4	10304.4
-37.5°	12710.3	13124.8	13398.4	13483.3	13398.4	13124.8	12710.3	12039.6	10994.2	9986.8	8758.7
-40°	10195.0	10569.1	10777.2	10767.0	10777.2	10569.1	10195.0	9656.8	8701.5	7667.4	6493.6
-42.5°	7304.5	7682.3	7949.4	8150.1	7949.4	7682.3	7304.5	6768.8	5862.2	4824.2	3779.4
-45°	4149.8	4460.3	4660.1	4753.9	4660.1	4460.3	4149.8	3720.5	3079.1	2330.5	1616.6
-47.5°	1807.4	1863.7	1892.1	1892.4	1892.1	1863.7	1807.4	1730.5	1601.3	1438.2	1277.3
-50°	1387.5	1422.9	1443.4	1448.9	1443.4	1422.9	1387.5	1346.6	1290.0	1213.2	1138.5
-52.5°	1214.1	1226.4	1231.9	1232.4	1231.9	1226.4	1214.1	1201.1	1182.4	1143.8	1104.8
-55°	1169.9	1190.3	1198.4	1197.2	1198.4	1190.3	1169.9	1145.9	1117.5	1060.1	997.9
-57.5°	1011.4	1031.7	1043.5	1047.4	1043.5	1031.7	1011.4	985.4	954.4	894.3	830.0
-60°	784.6	797.4	808.4	815.7	808.4	797.4	784.6	766.7	743.6	700.0	649.0
-62.5°	587.2	597.9	608.3	615.6	608.3	597.9	587.2	573.0	555.6	525.7	488.6
-65°	417.7	423.0	431.6	438.9	431.6	423.0	417.7	409.3	397.8	377.3	349.9
-67.5°	279.9	285.0	288.1	289.1	288.1	285.0	279.9	272.9	264.0	250.6	232.2
-70°	170.5	172.4	176.0	179.1	176.0	172.4	170.5	167.3	162.6	155.0	144.1
-72.5°	103.2	106.2	106.2	105.3	106.2	106.2	103.2	99.6	95.5	91.2	86.5
-75°	58.3	59.1	59.5	59.7	59.5	59.1	58.3	57.2	55.8	53.9	51.1
-77.5°	32.9	33.6	33.3	32.8	33.3	33.6	32.9	32.1	31.1	29.8	27.9
-80°	17.1	17.5	17.6	17.6	17.6	17.5	17.1	16.7	16.2	15.7	15.5
-82.5°	12.4	12.8	12.3	11.7	12.3	12.8	12.4	12.0	11.6	11.2	10.7
-85°	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.4
-87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-90°	1.2	1.2	0.6	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.5



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	2.9	3.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	1.8	2.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.5	2.5	2.4
80°	2.3	2.3	2.3	2.5	2.6	2.6	2.7	2.8	3.0	3.2	3.2
77.5°	2.3	2.3	2.4	2.7	3.0	3.3	3.5	3.5	3.4	3.4	3.5
75°	2.7	2.8	2.9	3.1	3.2	3.4	3.6	3.8	3.9	3.9	3.7
72.5°	4.1	4.3	4.4	4.5	4.4	4.4	4.5	4.6	4.7	4.7	4.4
70°	5.5	6.0	6.6	7.0	7.1	7.0	6.8	6.4	5.8	5.6	5.2
67.5°	6.5	7.1	8.2	9.4	10.2	10.5	10.4	9.7	9.1	8.4	6.7
65°	7.5	8.3	9.3	10.4	11.6	13.0	14.7	14.9	14.1	12.5	9.0
62.5°	8.2	9.3	10.0	10.7	11.7	13.8	17.6	19.6	20.0	17.6	13.3
60°	7.3	8.3	9.2	10.1	11.1	14.7	20.0	24.0	26.8	22.8	17.2
57.5°	5.8	6.4	7.6	8.9	10.1	15.0	21.1	27.6	32.0	26.0	20.3
55°	6.8	7.0	7.3	7.7	8.7	13.9	20.3	27.2	31.0	27.1	20.9
52.5°	7.0	7.3	7.7	8.0	9.2	12.7	17.4	24.3	26.4	23.2	19.5
50°	8.1	8.1	8.1	8.1	9.5	11.9	15.5	20.6	20.4	19.0	15.9
47.5°	10.3	10.2	9.5	9.3	10.6	11.2	13.9	16.2	16.6	15.1	12.8
45°	18.8	18.4	13.2	13.7	14.6	14.9	13.9	15.3	15.0	13.7	10.8
42.5°	35.2	36.2	36.7	27.1	22.0	21.7	20.3	19.1	17.6	14.7	13.2
40°	49.5	43.7	45.5	45.8	37.3	31.4	31.4	26.7	23.8	19.9	18.9
37.5°	75.8	63.2	67.4	58.4	53.3	50.7	50.0	42.4	32.2	35.3	33.2
35°	149.3	130.8	135.1	115.2	84.8	97.5	83.2	67.6	59.0	60.3	54.3
32.5°	363.7	358.7	292.4	247.5	212.8	188.1	156.0	110.7	115.9	107.4	86.2
30°	1259.0	934.3	659.7	587.5	540.8	361.8	268.6	260.8	208.5	173.6	130.7
27.5°	3255.1	2093.8	1580.7	1605.1	1186.2	800.7	646.8	526.4	358.0	270.3	206.5
25°	6888.1	5355.9	4004.1	3580.2	2748.4	1815.2	1446.7	1062.7	674.9	391.2	317.3
22.5°	11910.7	10016.7	7946.8	6355.2	5077.9	3840.1	2829.1	1833.4	1078.4	625.4	449.7
20°	17026.4	15049.5	12330.1	9868.3	7884.3	5978.0	4579.1	3052.0	1824.8	982.7	590.2
17.5°	23292.2	20070.2	16513.1	13283.8	10889.1	8582.8	6245.5	4325.8	2695.3	1357.6	734.3
15°	29369.7	24579.8	20144.0	16447.7	13585.8	10258.3	7657.5	5495.9	3689.3	1952.7	1013.5
12.5°	34173.8	28584.1	23574.2	18597.2	15179.0	11568.7	8960.8	6698.0	4592.3	2573.0	1252.1
10°	38101.4	31742.8	25925.4	20827.1	16674.4	12805.6	9800.0	7273.8	4931.0	3010.4	1470.2
7.5°	40508.4	33811.9	27825.5	22367.8	17939.7	13933.6	10307.6	7511.0	5101.9	3319.8	1662.7
5°	41685.7	35154.0	29062.3	23110.5	18756.5	14857.8	10806.9	7584.3	5126.0	3512.2	1824.2
2.5°	42828.0	35912.5	29764.6	23406.0	19205.2	15494.0	11307.6	7634.9	5173.0	3600.4	1877.6
0°	43284.5	36243.8	30070.3	23480.2	19366.5	15721.0	11765.3	7653.9	5203.3	3602.3	1887.7
-2.5°	42797.6	35790.4	29815.0	23270.7	19192.0	15708.7	11931.2	8231.4	5530.9	3777.1	1940.8
-5°	41681.2	34626.9	28459.1	22375.6	18244.3	14854.4	11426.5	8254.9	5606.8	3799.0	1943.7
-7.5°	38912.1	32490.4	26530.2	21002.8	16909.0	13574.7	10477.4	7694.0	5263.0	3464.7	1786.7
-10°	34933.6	29610.6	23950.5	19079.5	15290.5	12140.7	9484.0	7016.3	4820.7	3065.0	1592.4
-12.5°	30874.4	26005.8	21071.2	16723.3	13411.5	10504.2	8348.5	6230.8	4280.0	2611.0	1366.5
-15°	26222.1	21719.8	18028.9	14595.2	11417.3	8891.2	7156.3	5453.3	3805.3	2156.0	1113.3
-17.5°	22715.6	18327.5	15333.2	12714.9	9858.9	7540.9	6202.1	4865.2	3344.5	1816.8	894.5
-20°	20108.8	16717.8	13699.4	11102.1	8717.5	6845.1	5588.4	4309.5	2804.7	1525.3	846.8



REPORT NUMBER: P731418 (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°	17968.4	15359.9	12586.9	9822.3	7835.0	6390.2	5098.5	3733.5	2181.3	1159.6	786.8
-25°	15778.7	13858.2	11407.2	9079.6	7189.4	5816.8	4462.2	2957.3	1705.2	930.6	722.5
-27.5°	13664.9	11977.3	10234.1	8250.0	6711.4	5108.9	3577.4	2139.6	1182.3	846.4	699.2
-30°	11704.5	10293.0	8920.4	7558.1	5986.0	4321.7	2552.7	1529.0	965.9	770.2	675.0
-32.5°	10164.0	9080.0	7930.9	6597.7	4993.2	3193.4	1867.9	1062.2	851.2	738.5	677.0
-35°	9160.8	7982.1	6762.2	5197.1	3563.2	2160.8	1191.9	942.4	795.0	713.5	686.5
-37.5°	7620.3	6461.5	4867.4	3367.3	2148.4	1286.8	1026.2	866.2	757.3	721.6	666.1
-40°	5276.0	3974.1	2849.5	1716.8	1284.5	1066.1	930.1	822.4	776.7	709.1	630.3
-42.5°	2892.9	1943.7	1404.5	1221.7	1057.7	969.6	888.1	843.6	773.1	676.7	575.9
-45°	1449.5	1289.5	1137.7	1062.9	982.2	937.4	909.4	825.6	727.2	618.4	513.1
-47.5°	1184.2	1115.8	1049.7	1011.3	976.2	932.7	851.2	762.9	649.8	545.2	458.4
-50°	1083.9	1055.8	1029.4	993.0	917.7	841.4	754.5	661.6	562.1	475.1	398.3
-52.5°	1060.2	1000.8	940.8	878.6	802.4	718.5	634.4	557.0	475.3	403.8	338.3
-55°	931.0	865.3	801.0	733.3	664.7	597.0	526.9	458.5	395.6	333.4	279.0
-57.5°	765.0	704.1	649.2	595.2	542.8	484.6	425.9	368.9	318.8	268.5	220.1
-60°	595.7	543.0	505.5	465.4	422.7	375.1	330.0	286.4	244.5	206.6	167.9
-62.5°	450.0	410.4	378.5	346.4	312.4	276.3	241.3	210.8	180.1	148.8	123.5
-65°	321.0	291.0	263.8	241.0	217.6	193.3	167.3	145.7	126.5	106.3	86.0
-67.5°	212.4	191.3	172.2	155.8	143.2	129.7	114.2	97.6	85.2	74.6	63.3
-70°	132.9	121.5	111.0	100.7	92.1	84.7	76.3	67.4	58.5	50.5	42.5
-72.5°	81.3	75.8	70.2	64.7	58.8	53.7	48.4	42.4	36.2	29.6	24.5
-75°	47.9	44.3	40.6	37.1	33.4	29.4	26.5	24.0	21.5	18.9	16.4
-77.5°	26.0	24.2	22.5	21.2	19.7	18.1	16.2	14.6	13.7	12.7	11.7
-80°	15.1	14.7	14.1	13.5	12.9	12.3	11.7	11.0	10.2	9.4	8.7
-82.5°	10.2	9.7	9.2	8.9	8.6	8.3	8.0	7.5	7.1	6.7	6.3
-85°	6.1	5.8	5.5	5.4	5.4	5.4	5.5	5.4	5.3	5.3	5.2
-87.5°	3.5	3.5	3.5	3.8	4.0	4.3	4.5	4.5	4.4	4.4	4.3
-90°	1.8	2.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3



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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°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.6	2.9	3.2
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.6	2.9	3.2
82.5°	2.3	2.3	2.3	2.3	2.5	2.6	2.7	2.6	2.7	2.9	3.2
80°	2.9	2.6	2.4	2.3	2.6	2.9	3.1	3.1	3.1	3.1	3.3
77.5°	3.3	3.0	2.5	2.4	2.7	3.0	3.3	3.5	3.4	3.3	3.4
75°	3.5	3.4	3.1	2.9	2.9	3.0	3.3	3.5	3.5	3.5	3.5
72.5°	4.0	3.7	3.5	3.5	3.3	3.3	3.4	3.5	3.5	3.5	3.5
70°	4.6	4.0	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
67.5°	5.3	4.7	4.0	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5
65°	7.0	5.6	4.6	4.0	3.6	3.5	3.5	3.5	3.5	3.5	3.5
62.5°	9.4	6.5	5.3	4.5	3.9	3.6	3.5	3.5	3.5	3.5	3.5
60°	12.7	8.8	6.3	5.3	4.4	3.6	3.5	3.5	3.5	3.5	3.5
57.5°	14.9	10.9	8.4	6.4	5.3	4.1	3.6	3.6	3.5	3.5	3.5
55°	15.9	11.9	9.9	7.8	6.3	5.1	4.0	3.8	3.6	3.5	3.6
52.5°	14.9	12.5	10.9	8.8	7.0	6.0	4.9	4.0	3.8	3.5	3.6
50°	12.3	12.5	11.5	9.7	7.6	6.4	5.7	4.7	4.1	3.6	3.7
47.5°	11.0	12.1	11.9	10.4	8.3	6.9	6.2	5.3	4.5	3.9	3.7
45°	11.5	11.7	12.1	11.0	9.2	7.7	6.6	5.8	4.9	4.3	3.8
42.5°	13.1	12.8	12.2	11.7	10.4	8.6	7.0	6.2	5.3	4.7	4.0
40°	17.3	15.2	13.2	13.0	11.8	9.4	7.7	6.5	5.7	5.0	4.3
37.5°	22.9	19.6	16.1	15.8	13.7	10.9	8.4	6.8	6.1	5.4	4.6
35°	40.3	26.0	25.1	22.3	17.3	12.5	9.1	7.3	6.5	5.7	4.9
32.5°	62.4	47.2	44.3	33.2	22.0	14.3	10.3	8.2	6.9	6.0	5.2
30°	104.4	100.0	72.3	47.2	29.5	18.7	12.4	9.4	7.4	6.3	5.5
27.5°	183.6	169.7	113.1	72.9	42.9	24.4	15.4	10.7	7.9	6.6	5.7
25°	274.1	248.0	181.6	107.1	58.2	38.8	18.9	12.2	8.8	7.0	6.0
22.5°	377.2	330.0	261.4	146.5	89.6	58.1	26.6	14.9	9.9	7.4	6.2
20°	480.0	416.5	345.8	196.2	129.3	84.8	40.5	17.9	11.1	7.8	6.4
17.5°	586.2	488.0	391.4	256.2	170.4	113.7	56.9	21.0	12.3	8.2	6.6
15°	672.3	535.1	431.3	308.1	209.0	144.2	75.1	24.3	13.5	8.6	6.7
12.5°	742.8	579.4	468.3	352.4	245.1	175.8	94.6	27.5	14.8	9.0	6.8
10°	806.7	620.5	502.2	389.8	278.9	207.6	114.7	30.7	16.1	9.4	6.9
7.5°	863.3	657.9	532.9	420.8	306.1	227.5	127.2	33.7	17.5	9.7	6.9
5°	907.5	687.7	552.5	430.0	308.8	232.6	136.6	36.4	18.8	10.0	7.0
2.5°	922.7	707.9	564.3	432.8	309.4	234.6	143.8	38.9	20.0	10.3	7.0
0°	928.1	723.3	572.3	431.8	307.8	234.1	148.6	41.0	21.1	10.5	7.0
-2.5°	935.7	726.5	581.3	450.0	323.5	242.5	156.5	51.1	27.5	14.1	8.3
-5°	934.4	724.9	586.7	464.1	336.5	248.7	162.2	60.6	33.6	17.5	9.5
-7.5°	902.4	706.7	582.0	472.5	346.3	252.9	165.7	69.3	39.2	20.6	10.6
-10°	857.1	676.8	564.6	467.6	353.3	258.1	167.7	77.0	44.2	23.4	11.6
-12.5°	803.8	643.8	548.5	461.9	357.8	264.3	171.6	84.3	48.5	25.7	12.4
-15°	742.7	608.3	535.0	456.3	360.1	268.4	172.8	90.6	52.7	27.8	13.0
-17.5°	680.3	570.9	525.3	451.8	360.2	270.3	171.3	95.2	55.9	29.8	14.0
-20°	659.7	558.6	519.4	449.0	358.3	270.2	167.0	97.9	58.0	31.2	15.2



REPORT NUMBER: P731418 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-5S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	642.2	569.9	518.8	444.2	354.8	267.9	159.8	98.6	58.9	32.0	16.0
-25°	623.4	582.1	515.3	432.0	349.4	257.8	155.1	97.0	58.6	31.9	16.4
-27.5°	627.0	589.1	506.3	414.4	333.2	244.3	152.9	96.4	57.5	31.0	16.5
-30°	640.8	575.1	485.1	392.3	313.7	221.6	147.7	94.1	56.4	30.5	16.1
-32.5°	643.3	554.5	455.8	368.3	287.9	198.3	137.4	90.0	54.2	30.0	15.9
-35°	614.6	520.6	420.6	340.5	259.7	183.4	125.4	84.0	50.8	28.9	15.7
-37.5°	582.4	479.0	386.9	309.4	231.0	165.9	114.9	76.3	46.3	27.2	15.1
-40°	532.6	436.9	352.9	277.6	207.2	146.0	102.7	68.8	42.9	24.8	14.1
-42.5°	479.2	396.3	318.4	245.8	182.7	130.6	89.4	60.3	38.9	22.8	12.8
-45°	431.4	353.8	281.9	216.2	156.9	113.5	79.0	51.6	34.4	20.9	11.5
-47.5°	381.1	310.7	244.8	183.9	135.9	96.3	67.6	45.9	29.4	18.5	10.6
-50°	330.9	266.4	206.6	155.8	112.9	82.3	56.5	39.6	25.9	15.5	9.5
-52.5°	278.7	221.7	170.9	127.3	94.5	67.3	48.9	33.2	22.0	13.4	8.2
-55°	226.1	179.7	136.3	103.4	76.4	56.6	40.7	28.2	17.7	11.5	6.9
-57.5°	178.4	138.1	108.2	81.8	62.0	46.6	33.6	22.8	14.9	9.5	6.7
-60°	133.1	107.5	82.8	65.0	49.8	37.2	26.8	17.8	12.2	7.8	6.5
-62.5°	99.7	79.3	65.0	50.4	38.6	28.6	20.2	14.5	9.4	7.4	6.2
-65°	73.1	60.4	48.1	37.8	28.3	20.7	15.9	10.9	8.3	6.9	5.9
-67.5°	52.1	42.9	34.3	25.5	20.2	15.7	11.4	9.1	7.5	6.3	5.6
-70°	34.6	27.0	22.4	18.6	14.6	11.1	9.4	7.9	6.6	6.0	5.3
-72.5°	21.6	18.7	15.6	12.5	10.8	9.3	7.9	6.8	6.2	5.6	5.0
-75°	13.9	12.6	11.3	10.0	8.6	7.5	6.9	6.4	5.8	5.3	4.9
-77.5°	10.7	9.6	8.6	7.8	7.2	6.7	6.3	5.9	5.5	5.1	4.8
-80°	8.1	7.5	7.0	6.5	6.2	5.9	5.7	5.5	5.2	4.9	4.8
-82.5°	6.0	5.8	5.7	5.6	5.4	5.3	5.2	5.0	4.8	4.7	4.6
-85°	5.1	5.0	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2
-87.5°	4.3	4.3	4.2	4.2	4.1	4.1	4.1	4.0	4.0	3.9	3.9
-90°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.6	2.9	3.2



REPORT NUMBER: P731418 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
77.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
75°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
72.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
70°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
67.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
65°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
62.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
60°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
57.5°	3.6	3.5	3.5	3.5	3.5	3.5	3.5
55°	3.6	3.5	3.5	3.5	3.5	3.5	3.5
52.5°	3.7	3.5	3.5	3.5	3.5	3.5	3.5
50°	3.8	3.6	3.5	3.5	3.5	3.5	3.5
47.5°	4.0	3.7	3.5	3.5	3.5	3.5	3.5
45°	4.0	3.9	3.5	3.5	3.5	3.5	3.5
42.5°	4.1	4.0	3.5	3.5	3.5	3.5	3.5
40°	4.1	4.2	3.6	3.5	3.5	3.5	3.5
37.5°	4.2	4.3	3.7	3.5	3.5	3.5	3.5
35°	4.3	4.4	3.8	3.6	3.5	3.5	3.5
32.5°	4.4	4.5	3.9	3.6	3.5	3.5	3.5
30°	4.6	4.5	4.0	3.7	3.5	3.5	3.5
27.5°	4.8	4.6	4.2	3.7	3.5	3.5	3.5
25°	5.0	4.7	4.3	3.8	3.5	3.5	3.5
22.5°	5.2	4.7	4.4	3.9	3.5	3.5	3.5
20°	5.4	4.7	4.5	4.0	3.5	3.5	3.5
17.5°	5.6	4.7	4.6	4.1	3.5	3.5	3.5
15°	5.6	4.7	4.6	4.2	3.5	3.5	3.5
12.5°	5.7	4.7	4.6	4.3	3.5	3.5	3.5
10°	5.8	4.7	4.7	4.3	3.5	3.5	3.5
7.5°	5.8	4.7	4.7	4.4	3.5	3.5	3.5
5°	5.9	4.7	4.7	4.5	3.5	3.5	3.5
2.5°	5.9	4.7	4.7	4.6	3.5	3.5	3.5
0°	5.9	4.7	4.7	4.7	3.5	3.5	3.5
-2.5°	6.2	4.8	4.7	4.7	3.6	3.5	3.5
-5°	6.5	5.0	4.7	4.7	3.6	3.5	3.5
-7.5°	6.7	5.1	4.7	4.7	3.7	3.5	3.5
-10°	7.0	5.2	4.7	4.7	3.7	3.5	3.5
-12.5°	7.1	5.3	4.7	4.6	3.7	3.5	3.5
-15°	7.3	5.4	4.7	4.6	3.8	3.5	3.5
-17.5°	7.4	5.4	4.7	4.6	3.8	3.5	3.5
-20°	7.7	5.4	4.7	4.6	3.9	3.5	3.5



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 CATALOG NUMBER: EPH-LS-08-0320N-57-70-5S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	8.3	5.4	4.7	4.6	3.9	3.5	3.5
-25°	8.7	5.5	4.7	4.6	3.9	3.5	3.5
-27.5°	8.9	5.6	4.7	4.6	3.9	3.5	3.5
-30°	9.0	5.6	4.7	4.6	3.9	3.5	3.5
-32.5°	8.7	5.6	4.8	4.6	3.9	3.5	3.5
-35°	8.6	5.4	4.8	4.6	3.9	3.5	3.5
-37.5°	8.4	5.3	4.9	4.6	3.9	3.5	3.5
-40°	8.1	5.4	4.9	4.7	3.9	3.5	3.5
-42.5°	7.6	5.4	4.9	4.7	3.9	3.5	3.5
-45°	7.0	5.4	4.9	4.7	3.9	3.5	3.5
-47.5°	6.3	5.4	4.9	4.7	3.8	3.5	3.5
-50°	6.1	5.4	4.9	4.6	3.8	3.5	3.5
-52.5°	6.0	5.3	4.9	4.5	3.7	3.5	3.5
-55°	5.9	5.2	4.8	4.4	3.6	3.5	3.5
-57.5°	5.8	5.2	4.8	4.3	3.6	3.5	3.5
-60°	5.6	5.0	4.7	4.2	3.5	3.5	3.5
-62.5°	5.4	4.9	4.6	4.1	3.5	3.5	3.5
-65°	5.2	4.8	4.5	4.0	3.5	3.5	3.5
-67.5°	5.0	4.7	4.4	3.9	3.5	3.5	3.5
-70°	4.7	4.6	4.3	3.8	3.5	3.5	3.5
-72.5°	4.7	4.5	4.2	3.7	3.5	3.5	3.5
-75°	4.7	4.4	4.1	3.7	3.5	3.5	3.5
-77.5°	4.7	4.4	4.0	3.7	3.5	3.5	3.5
-80°	4.7	4.3	3.9	3.6	3.5	3.5	3.5
-82.5°	4.4	4.1	3.8	3.6	3.5	3.5	3.5
-85°	4.1	3.9	3.7	3.6	3.5	3.5	3.5
-87.5°	3.8	3.7	3.6	3.5	3.5	3.5	3.5
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5

(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

