

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: P731452 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-70-1S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731452 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-40-70-1S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 1S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

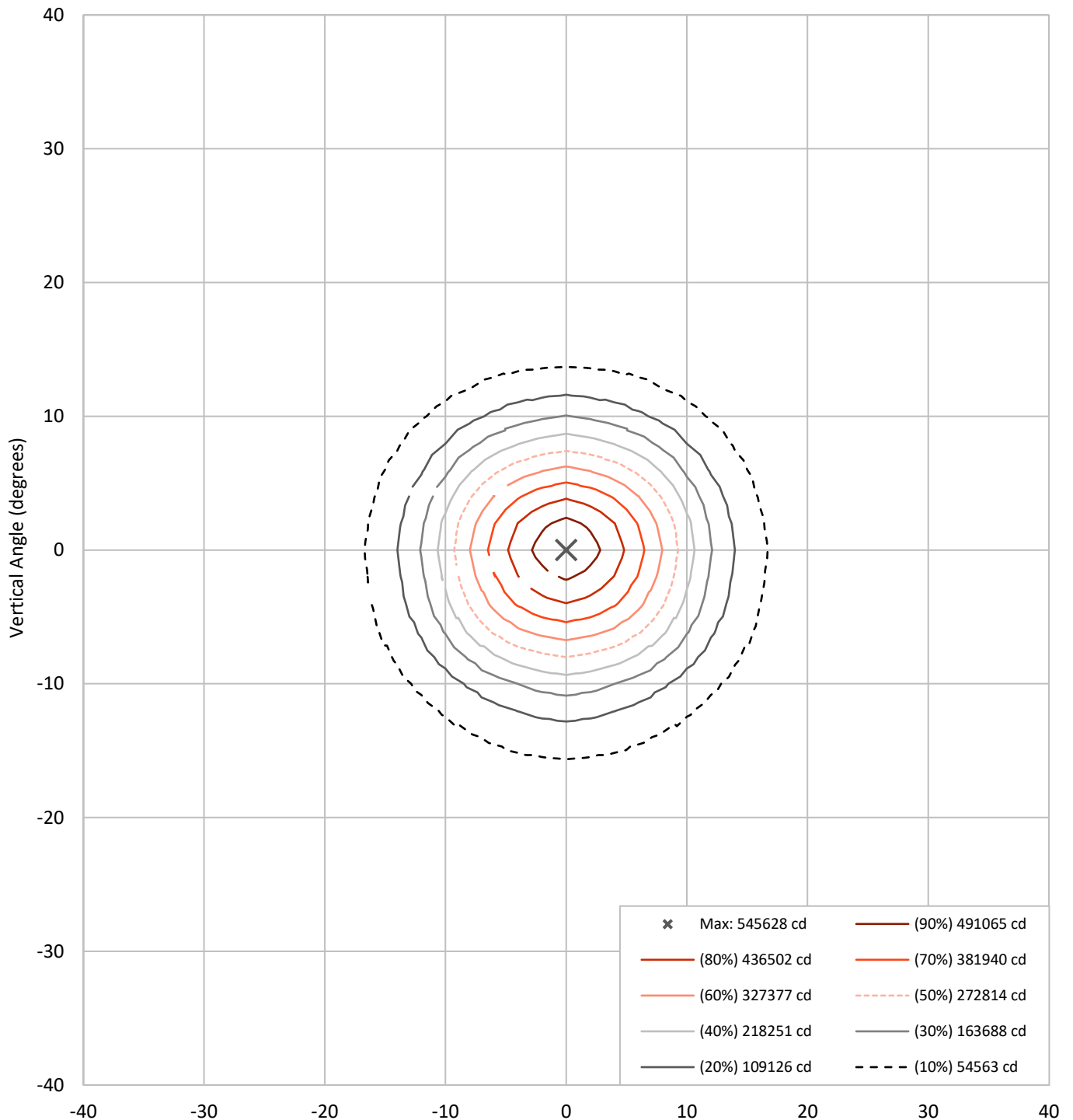
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	56095.8 lumens	Max Intensity:	545628 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	97.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.6°H x 15.4°V	Field Angle (10%):	33.2°H x 29.1°V
Beam Lumens:	25870.7 lumens	Field Lumens:	47728.7 lumens
Beam Efficiency:	46.1%	Field Efficiency:	85.1%

Input Watts (W): 577.1
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





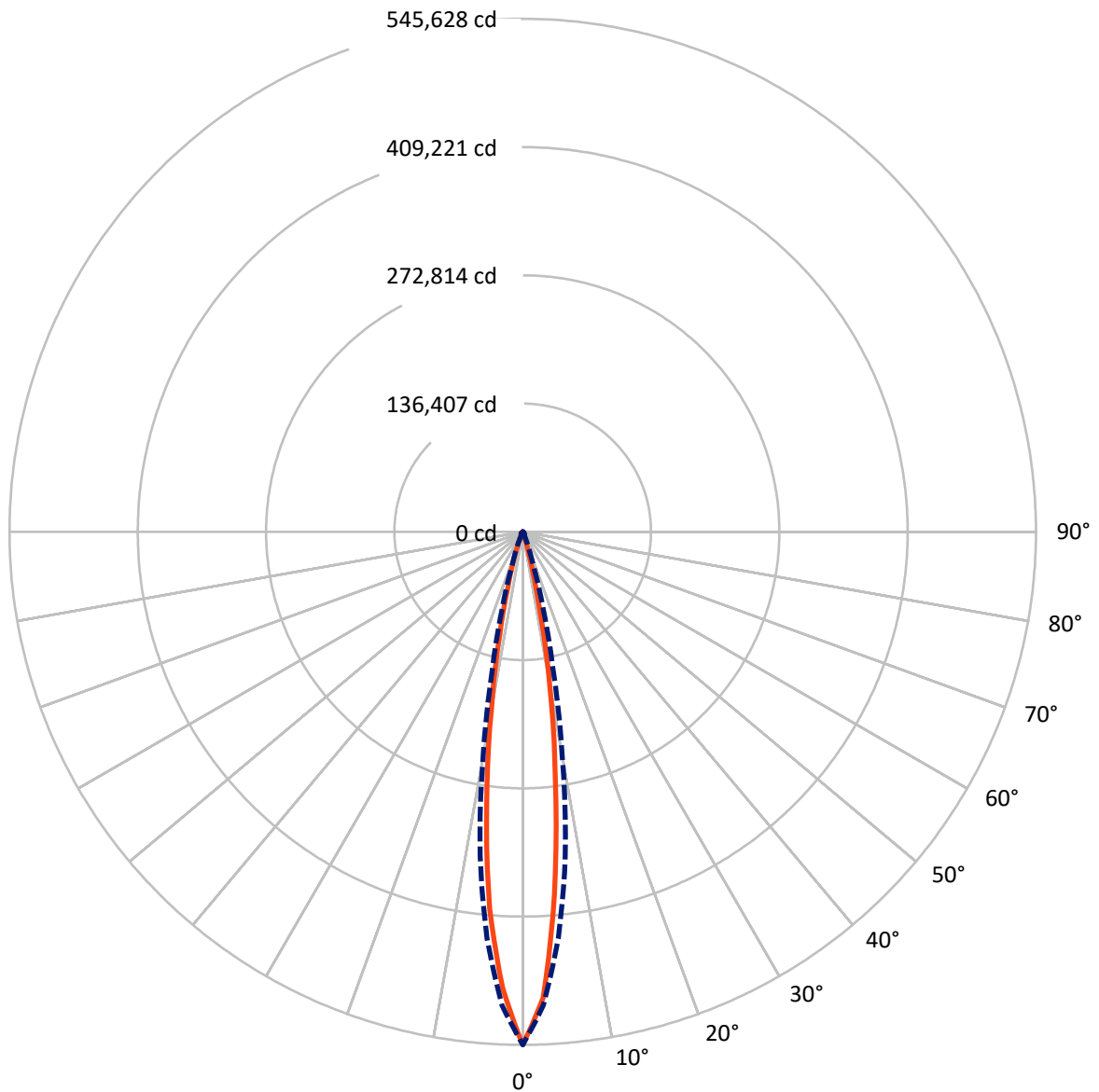
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Lumen Table

90																			
80	0.1	0.4		0.6		0.7		0.9		0.7		0.6		0.4		0.1			
70	0.2	0.1	0.2	0.6	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.6	0.2	0.1	0.2			
60		0.1	0.4	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.4	0.1				
50	0.3	0.2	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.4	0.2	0.3			
40		0.3	0.6	0.8	1.5	2.1	2.2	2.5	2.5	2.2	2.1	1.5	0.8	0.6	0.3				
30	0.4	0.5	1.4	3.3	6.3	7.1	10.1	20.3	20.3	10.1	7.1	6.3	3.3	1.4	0.5	0.4			
20		1.1	4.5	15.3	28.5	37.9	281.2	1171.3	1171.3	281.2	37.9	28.5	15.3	4.5	1.1				
10	0.4	1.8	9.0	38.5	62.4	141.8	2063.4	8941.2	8941.2	2063.4	141.8	62.4	38.5	9.0	1.8	0.4			
0		2.3	10.5	44.4	73.1	145.3	2214.5	9345.6	9345.6	2214.5	145.3	73.1	44.4	10.5	2.3				
-10	0.5	2.4	9.2	33.5	60.4	66.5	472.3	1834.4	1834.4	472.3	66.5	60.4	33.5	9.2	2.4	0.5			
-20		2.4	7.9	18.8	48.6	56.2	62.0	120.7	120.7	62.0	56.2	48.6	18.8	7.9	2.4				
-30	0.4	2.1	6.7	11.9	29.7	56.2	65.7	66.3	66.3	65.7	56.2	29.7	11.9	6.7	2.1	0.4			
-40		1.4	5.0	10.3	16.1	28.4	47.9	62.8	62.8	47.9	28.4	16.1	10.3	5.0	1.4				
-50	0.3	0.7	2.8	6.7	12.1	16.6	19.6	21.9	21.9	19.6	16.6	12.1	6.7	2.8	0.7	0.3			
-60		0.3	1.0	2.7	5.3	8.3	11.0	13.0	13.0	11.0	8.3	5.3	2.7	1.0	0.3				
-70																			
-80	0.2	0.9		2.5		5.9		9.9		5.9		2.5		0.9		0.2			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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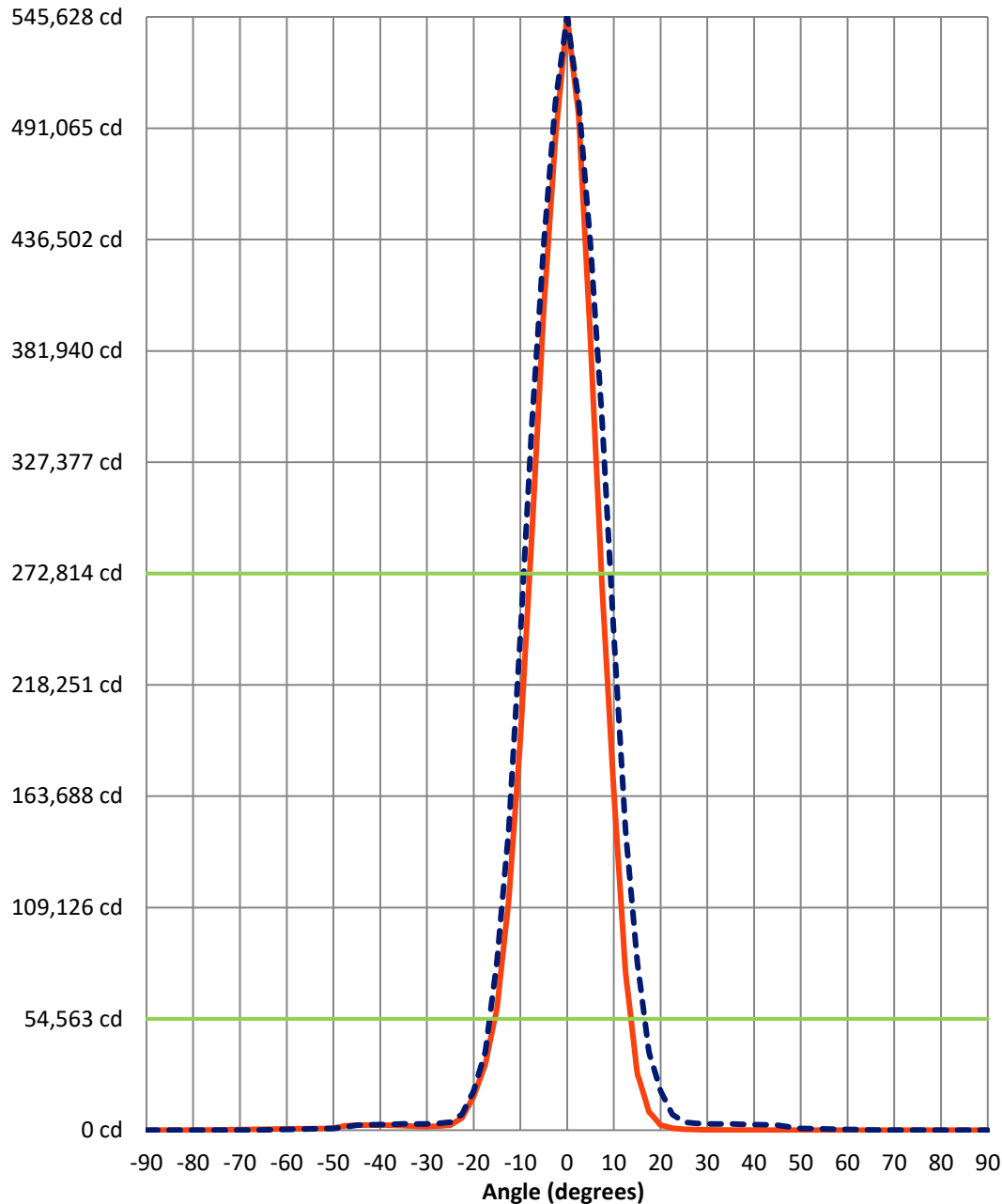
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 18.6°
 V Angle: 15.4°
 Lumens: 25870.7
 Efficiency: 46.1%

Field:
 H Angle: 33.2°
 V Angle: 29.1°
 Lumens: 47728.7
 Efficiency: 85.1%

Spill:
 Lumens: 8367.1
 Efficiency: 14.9%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	6.9	6.9	6.9	7.3	7.6	8.0	8.3	8.3	8.3	8.3	8.3
87.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
85°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
82.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
80°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
77.5°	6.9	6.9	6.9	6.9	6.9	7.0	6.9	6.9	6.9	6.9	6.9
75°	6.9	6.9	6.9	6.9	6.9	7.1	7.0	6.9	6.9	7.0	7.0
72.5°	6.9	6.9	6.9	6.9	7.2	7.3	7.0	7.0	7.2	7.2	7.0
70°	6.9	6.9	6.9	7.0	7.5	7.5	7.2	7.3	7.5	7.4	7.5
67.5°	6.9	6.9	6.9	7.2	7.7	7.8	7.6	7.7	7.8	8.0	8.1
65°	6.9	6.9	6.9	7.5	8.0	8.1	8.0	8.1	8.3	8.5	8.6
62.5°	6.9	6.9	6.9	7.8	8.3	8.4	8.4	8.5	8.8	9.0	8.8
60°	6.9	6.9	6.9	8.1	8.7	8.7	8.8	8.9	9.3	9.3	9.1
57.5°	6.9	6.9	7.1	8.4	8.9	9.1	9.3	9.3	9.7	9.7	9.6
55°	6.9	6.9	7.3	8.7	9.2	9.4	9.8	9.9	10.1	10.2	10.3
52.5°	6.9	6.9	7.4	9.0	9.5	9.8	10.3	10.5	10.5	10.8	11.0
50°	6.9	6.9	7.6	9.3	9.7	10.2	10.8	11.1	11.0	11.3	12.7
47.5°	6.9	6.9	7.8	9.6	10.0	10.7	11.4	11.8	11.6	11.9	14.4
45°	6.9	6.9	7.9	9.8	10.3	11.2	12.1	12.6	12.4	13.4	16.0
42.5°	6.9	6.9	8.0	10.0	10.5	11.7	12.8	13.4	13.4	14.7	17.7
40°	6.9	6.9	8.1	10.1	10.8	12.2	13.5	14.3	14.6	16.0	19.1
37.5°	6.9	6.9	8.2	10.1	11.2	12.7	14.3	15.3	16.2	17.8	20.3
35°	6.9	6.9	8.3	10.1	11.6	13.3	15.1	16.3	17.7	19.8	21.1
32.5°	6.9	6.9	8.4	10.2	12.0	13.9	15.9	17.4	19.3	22.0	23.4
30°	6.9	6.9	8.4	10.2	12.4	14.5	16.8	18.5	20.8	24.3	26.1
27.5°	6.9	6.9	8.5	10.2	12.5	15.2	17.7	19.8	22.5	26.8	29.0
25°	6.9	6.9	8.5	10.2	12.5	15.9	18.6	21.1	24.5	29.3	32.3
22.5°	6.9	6.9	8.5	10.2	12.5	16.3	19.5	22.3	26.5	31.9	37.2
20°	6.9	6.9	8.6	10.2	12.5	16.3	20.4	23.5	28.6	34.7	42.5
17.5°	6.9	6.9	8.6	10.1	12.4	16.1	20.6	24.6	30.7	37.5	48.1
15°	6.9	6.9	8.5	10.1	12.3	16.0	20.2	25.1	32.8	40.4	53.9
12.5°	6.9	6.9	8.5	10.1	12.1	15.7	19.8	24.7	33.8	43.4	59.8
10°	6.9	6.9	8.5	10.0	12.0	15.4	19.3	24.3	33.7	44.7	65.5
7.5°	6.9	6.9	8.5	9.9	11.8	15.1	18.7	23.9	33.5	45.9	70.7
5°	6.9	6.9	8.4	9.9	11.6	14.7	18.1	23.4	33.1	46.9	75.7
2.5°	6.9	6.9	8.4	9.8	11.3	14.3	17.4	22.8	32.6	47.9	80.5
0°	6.9	6.9	8.3	9.7	11.1	13.9	16.7	22.2	31.9	48.6	84.7
-2.5°	6.9	6.9	8.3	9.7	11.2	14.0	17.4	24.6	37.6	58.2	97.9
-5°	6.9	7.0	8.3	9.7	11.3	14.2	18.1	26.8	43.0	67.3	110.2
-7.5°	6.9	7.0	8.3	9.7	11.4	14.2	18.7	28.8	47.9	75.7	121.3
-10°	6.9	7.0	8.3	9.6	11.5	14.3	19.2	30.5	52.2	83.2	131.2
-12.5°	6.9	7.0	8.2	9.6	11.5	14.3	19.5	31.9	55.8	89.9	140.5
-15°	6.9	7.1	8.2	9.6	11.5	14.3	19.8	32.9	59.4	96.7	148.6
-17.5°	6.9	7.1	8.2	9.5	11.5	14.3	19.9	34.5	63.2	102.4	155.0
-20°	6.9	7.1	8.2	9.4	11.5	14.3	20.2	36.2	66.0	106.9	159.4



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.9	7.1	8.2	9.4	11.4	14.2	20.8	37.2	67.7	110.1	161.8
-25°	6.9	7.2	8.1	9.3	11.3	14.3	21.0	37.3	68.0	111.8	162.0
-27.5°	6.9	7.2	8.1	9.2	11.2	14.4	20.9	36.5	67.1	112.1	163.3
-30°	6.9	7.2	8.1	9.1	11.0	14.5	20.3	34.8	65.8	110.8	162.9
-32.5°	6.9	7.2	8.1	9.0	11.0	14.5	19.4	33.8	63.8	107.7	160.6
-35°	6.9	7.2	8.1	8.9	10.9	14.4	19.0	32.7	60.3	102.7	156.3
-37.5°	6.9	7.2	8.1	8.8	10.8	14.2	18.8	30.9	55.4	95.7	144.5
-40°	6.9	7.2	8.1	8.7	10.7	14.1	18.6	28.5	49.1	88.4	130.9
-42.5°	6.9	7.2	8.1	8.6	10.6	13.9	18.1	25.5	44.3	77.6	115.9
-45°	6.9	7.3	8.1	8.6	10.6	13.6	17.6	23.2	40.1	65.4	100.0
-47.5°	6.9	7.2	8.1	8.6	10.5	13.3	16.9	22.3	35.0	52.6	85.4
-50°	6.9	7.2	8.1	8.6	10.4	13.0	16.4	21.4	28.6	45.3	69.8
-52.5°	6.9	7.2	8.1	8.7	10.3	12.6	15.9	20.2	25.3	37.5	54.1
-55°	6.9	7.2	8.1	8.7	10.2	12.3	15.4	18.9	23.5	29.3	44.8
-57.5°	6.9	7.2	8.1	8.7	10.0	12.1	14.8	18.2	21.6	25.8	35.1
-60°	6.9	7.2	8.1	8.7	9.8	11.8	14.2	17.3	19.8	23.6	27.5
-62.5°	6.9	7.2	8.0	8.7	9.8	11.5	13.7	16.3	18.7	21.3	25.0
-65°	6.9	7.2	8.0	8.7	9.7	11.2	13.3	15.3	17.5	19.8	22.4
-67.5°	6.9	7.1	7.9	8.6	9.5	10.9	12.8	14.6	16.3	18.4	20.6
-70°	6.9	7.1	7.8	8.6	9.4	10.6	12.2	13.9	15.5	17.0	19.0
-72.5°	6.9	7.1	7.7	8.5	9.2	10.2	11.7	13.2	14.7	16.1	17.5
-75°	6.9	7.1	7.6	8.3	9.0	9.9	11.1	12.4	13.8	15.2	16.5
-77.5°	6.9	7.0	7.5	8.1	8.8	9.5	10.4	11.5	12.7	14.1	15.4
-80°	6.9	7.0	7.4	8.0	8.5	9.1	9.8	10.6	11.6	12.7	13.9
-82.5°	6.9	7.0	7.3	7.8	8.3	8.8	9.4	9.9	10.5	11.3	12.2
-85°	6.9	7.0	7.1	7.6	8.1	8.5	9.0	9.3	9.7	10.2	10.7
-87.5°	6.9	6.9	7.0	7.4	7.8	8.3	8.7	8.8	9.0	9.2	9.5
-90°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9



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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°	8.3	8.3	8.3	8.3	8.7	9.0	9.4	9.7	9.7	9.7	9.7
87.5°	6.6	6.3	5.9	5.6	5.3	4.9	4.6	4.2	4.2	4.2	4.2
85°	6.6	6.3	5.9	5.6	5.3	5.1	4.9	4.8	4.7	4.6	4.4
82.5°	6.6	6.3	6.0	5.6	5.5	5.6	5.6	5.6	5.3	4.9	4.6
80°	6.6	6.3	6.1	6.0	6.0	6.0	5.9	5.6	5.3	5.0	4.8
77.5°	6.7	6.6	6.6	6.7	6.7	6.4	6.3	6.3	6.2	6.1	5.9
75°	6.8	6.9	7.0	7.0	6.8	6.8	6.9	6.9	6.8	6.7	6.7
72.5°	7.1	7.3	7.3	7.1	6.9	6.9	6.9	6.9	7.7	9.0	10.1
70°	7.7	7.8	7.5	7.1	6.9	7.3	8.9	10.8	12.7	14.6	17.0
67.5°	8.2	7.9	7.5	7.5	8.6	10.4	12.5	17.6	23.8	26.4	27.4
65°	8.3	7.9	8.3	9.4	10.9	14.6	20.1	27.3	35.1	36.5	35.6
62.5°	8.4	8.7	9.7	11.6	14.6	19.5	26.6	34.6	43.5	43.6	38.1
60°	9.0	9.5	11.7	14.8	18.4	23.9	32.0	38.2	44.7	47.2	36.1
57.5°	9.7	11.2	14.4	18.3	22.8	26.7	31.2	37.1	39.7	39.6	29.2
55°	11.0	13.5	17.5	22.3	25.6	24.7	27.7	29.8	30.2	28.2	20.3
52.5°	13.2	16.1	21.1	25.3	25.9	23.3	21.7	22.7	21.4	18.2	15.9
50°	15.3	19.4	24.4	27.0	25.6	20.9	17.3	17.4	16.5	15.1	13.5
47.5°	17.7	22.3	27.1	28.2	23.4	20.0	16.8	15.6	14.9	14.2	13.0
45°	19.9	24.4	29.5	26.4	22.7	20.8	18.2	15.3	15.3	14.9	14.8
42.5°	21.8	26.1	28.2	24.8	24.3	22.8	20.6	17.9	16.7	17.4	17.8
40°	23.0	27.3	27.1	27.2	26.7	25.8	24.3	22.1	19.8	21.3	22.2
37.5°	23.8	27.1	27.9	31.0	30.0	29.7	28.7	29.0	27.4	26.5	29.8
35°	24.3	27.8	32.6	36.2	35.7	34.5	36.3	37.4	36.9	35.8	41.0
32.5°	25.1	29.2	38.5	42.3	43.7	43.0	45.2	47.4	49.7	52.4	60.8
30°	27.7	34.5	45.1	49.3	53.6	58.6	57.5	59.2	65.4	85.0	103.4
27.5°	33.1	41.6	51.7	58.6	66.3	77.9	80.4	77.4	96.3	127.7	160.5
25°	39.1	62.6	58.9	69.5	85.1	101.1	109.7	116.5	142.3	188.3	222.6
22.5°	51.0	90.3	89.7	81.6	106.2	127.8	148.6	194.7	260.0	280.9	287.7
20°	71.4	118.1	126.8	129.6	138.0	157.7	193.1	301.3	431.9	481.1	428.5
17.5°	95.4	148.4	167.6	188.7	214.4	220.3	250.4	429.5	645.9	719.9	720.2
15°	122.2	180.9	211.0	253.7	296.1	322.8	422.6	639.0	877.4	994.6	1061.5
12.5°	150.9	215.0	256.3	323.1	381.6	428.6	646.4	991.6	1213.3	1315.6	1510.8
10°	180.6	250.0	302.8	395.5	470.0	536.5	898.2	1367.8	1583.7	1683.9	1907.0
7.5°	210.1	282.8	348.1	469.3	559.7	645.2	1166.1	1756.4	1941.2	2030.5	2212.2
5°	238.5	311.7	384.1	525.3	630.6	734.3	1409.2	2143.6	2287.5	2359.6	2462.1
2.5°	264.6	339.2	418.6	575.6	687.6	790.5	1514.9	2313.6	2471.5	2579.5	2667.0
0°	287.3	365.0	451.1	621.8	741.2	842.5	1592.0	2453.9	2620.5	2749.5	2855.0
-2.5°	288.4	370.4	461.8	619.9	729.3	834.1	1518.3	2422.2	2671.6	2865.3	3023.4
-5°	285.7	373.6	469.6	613.9	714.4	821.6	1421.4	2346.1	2682.0	2888.2	3049.7
-7.5°	280.0	374.4	474.2	603.1	692.6	790.0	1336.7	2190.7	2560.7	2737.4	2908.9
-10°	272.5	372.3	467.4	578.0	661.0	746.5	1229.0	2010.1	2436.5	2588.2	2747.5
-12.5°	266.1	368.0	457.3	553.3	629.0	701.8	1088.1	1811.4	2313.3	2445.4	2572.6
-15°	258.5	362.3	446.0	530.2	597.3	656.7	912.1	1601.2	2193.0	2341.3	2439.6
-17.5°	250.4	355.3	433.7	509.9	566.5	612.0	703.9	1348.6	1992.5	2218.7	2333.8
-20°	242.3	347.3	420.9	493.6	537.6	580.4	642.0	1091.2	1680.0	2070.7	2217.7



REPORT NUMBER: P731452 (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°	234.7	338.5	408.3	476.9	522.1	560.1	609.3	840.7	1349.8	1903.3	2080.6
-25°	231.9	324.8	396.0	460.8	510.7	540.9	575.8	630.3	1045.0	1571.0	1926.5
-27.5°	231.1	313.4	381.6	443.7	501.7	524.5	551.3	592.8	805.2	1230.1	1736.6
-30°	227.6	297.1	365.6	425.9	484.2	515.4	532.2	565.0	621.9	948.4	1363.8
-32.5°	217.0	279.7	346.5	406.8	463.6	509.9	522.8	550.4	592.4	685.7	1022.9
-35°	203.9	263.3	325.9	386.2	442.3	493.9	522.7	539.0	567.1	611.6	763.0
-37.5°	191.5	245.8	304.5	363.7	418.5	470.7	521.0	535.4	554.2	586.0	643.7
-40°	177.0	227.0	283.6	339.8	392.8	444.4	493.9	536.0	547.2	579.3	619.7
-42.5°	160.6	208.9	261.9	314.6	364.1	414.7	464.5	511.6	555.7	577.6	608.8
-45°	142.4	188.5	239.1	286.2	332.4	381.9	430.5	479.5	536.4	587.5	608.5
-47.5°	122.8	166.1	213.4	255.7	298.8	344.7	393.4	444.9	502.2	558.8	617.4
-50°	102.6	142.6	183.8	223.8	263.4	305.4	350.3	404.5	459.2	515.8	572.6
-52.5°	84.1	117.5	154.5	191.3	227.7	264.6	307.6	356.6	409.3	463.6	514.0
-55°	64.5	94.3	124.3	158.4	192.4	225.2	263.2	307.6	353.2	403.2	448.9
-57.5°	50.1	70.9	96.8	124.6	156.1	187.8	222.4	257.9	298.5	340.5	378.2
-60°	38.7	52.2	70.9	94.3	118.5	148.6	181.1	213.4	246.2	277.1	309.3
-62.5°	28.5	39.2	51.0	66.0	87.0	109.3	137.1	166.7	196.6	222.8	246.3
-65°	25.7	28.6	36.9	47.4	57.3	77.0	97.9	118.8	144.5	167.5	188.9
-67.5°	22.8	25.5	28.1	32.2	41.5	51.8	62.5	80.8	99.1	115.0	130.9
-70°	20.8	22.4	24.7	27.0	29.5	34.2	43.3	52.6	62.0	73.1	87.0
-72.5°	19.0	20.5	21.9	23.3	25.5	28.0	30.7	33.4	38.9	46.3	54.0
-75°	17.5	18.5	19.8	21.0	22.4	23.9	25.6	27.9	30.1	32.0	33.7
-77.5°	16.2	16.9	17.8	18.7	19.8	21.0	22.2	23.6	24.9	26.3	27.9
-80°	14.6	15.3	15.8	16.5	17.2	18.0	18.8	19.8	20.5	21.2	22.1
-82.5°	12.7	13.2	13.7	14.1	14.6	15.0	15.4	15.9	16.2	16.5	16.7
-85°	10.9	11.1	11.4	11.7	12.0	12.3	12.6	12.8	12.8	12.6	12.5
-87.5°	9.6	9.7	9.8	9.9	10.1	10.3	10.5	10.7	10.5	10.2	10.0
-90°	6.6	6.3	5.9	5.6	5.3	4.9	4.6	4.2	4.2	4.2	4.2



REPORT NUMBER: P731452 (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°	9.7	9.7	9.7	9.7	9.7	13.5	17.3	21.2	25.0	34.4	43.7
87.5°	4.2	3.9	3.5	3.2	2.8	2.5	2.1	1.8	1.4	1.4	1.4
85°	4.2	3.9	3.5	3.2	2.8	2.7	2.7	2.7	2.7	2.4	2.1
82.5°	4.2	4.0	3.9	3.9	3.8	3.6	3.4	3.1	2.8	2.5	2.1
80°	4.6	4.6	4.5	4.4	4.2	3.9	3.5	3.2	2.8	2.8	2.8
77.5°	5.8	5.6	5.2	4.8	4.3	4.1	4.0	4.0	4.0	3.8	3.5
75°	6.8	6.7	6.6	6.2	5.7	5.5	5.5	5.5	5.4	5.1	4.8
72.5°	11.0	11.1	10.7	10.3	9.5	9.1	9.2	9.1	8.9	8.7	8.6
70°	18.4	18.6	18.0	16.6	14.6	13.1	12.6	11.9	11.1	11.2	11.9
67.5°	26.6	24.7	22.8	20.5	17.5	15.3	14.2	13.0	11.7	11.0	10.8
65°	32.2	25.6	21.8	19.2	17.6	15.9	14.1	12.4	10.9	9.9	9.4
62.5°	30.8	21.8	17.9	16.1	14.7	13.5	11.7	10.1	8.6	7.7	7.7
60°	26.4	18.2	14.0	12.5	11.1	9.8	8.9	8.0	7.3	7.0	7.4
57.5°	20.6	14.3	11.0	10.5	9.7	8.7	8.2	7.9	7.5	6.9	7.3
55°	15.0	12.6	11.2	10.7	10.3	9.9	9.4	8.7	8.2	7.8	8.1
52.5°	13.0	12.3	12.2	12.0	11.2	10.4	9.6	9.5	9.4	9.2	9.3
50°	12.7	12.6	12.6	12.3	11.6	11.2	11.0	10.9	10.8	10.6	10.7
47.5°	13.0	13.2	13.2	12.6	12.4	12.6	12.5	12.4	12.6	12.8	13.0
45°	14.3	14.7	14.9	15.1	14.7	15.1	15.2	15.1	17.3	17.5	16.5
42.5°	17.4	19.2	20.6	20.1	18.3	22.0	27.4	29.8	27.4	23.8	21.5
40°	24.7	27.1	28.0	29.8	37.1	42.7	37.6	32.4	30.2	32.0	33.6
37.5°	34.6	37.6	46.4	57.6	53.5	43.5	44.6	45.1	44.1	47.0	47.4
35°	50.5	64.8	75.5	72.0	67.0	66.0	68.4	69.1	62.4	65.5	66.6
32.5°	80.9	98.4	99.1	94.7	97.2	97.6	104.4	99.8	94.2	97.0	104.7
30°	116.9	134.1	140.3	132.4	117.7	125.9	132.9	130.7	134.8	146.7	159.3
27.5°	173.0	184.2	194.6	178.5	149.3	162.1	167.0	162.0	189.7	204.6	234.1
25°	240.0	252.7	260.8	247.3	227.2	216.8	232.5	244.4	278.1	311.1	357.3
22.5°	313.0	346.9	356.6	321.5	321.4	321.3	327.4	367.6	413.0	485.7	607.6
20°	398.1	465.5	519.4	483.8	438.0	468.9	507.1	556.4	685.9	1015.4	1390.1
17.5°	699.4	652.2	751.4	754.7	688.8	761.0	898.4	1075.2	1621.8	3302.9	4404.9
15°	1190.2	1140.3	1078.5	1081.8	1146.8	1288.3	1569.4	2548.2	4962.9	8550.8	12258.8
12.5°	1691.2	1616.4	1525.5	1501.4	1643.3	1928.2	3254.3	7282.2	12968.0	19159.7	35042.7
10°	2086.5	2046.6	1962.8	2025.4	2262.5	3099.0	5810.9	12797.1	24529.8	45042.8	70353.9
7.5°	2318.4	2303.2	2325.8	2509.6	2896.1	5098.6	11061.2	21445.8	40779.8	71864.8	117465.1
5°	2551.2	2563.9	2632.5	2885.2	3379.9	6485.4	15611.6	29801.7	59046.3	104739.5	175354.6
2.5°	2809.3	2820.9	2913.0	3231.4	3797.4	6702.1	16694.5	35123.2	74865.5	134743.8	228348.9
0°	3106.3	3039.6	3067.4	3357.5	3941.8	7817.0	19266.3	38515.9	82857.1	147207.0	242679.3
-2.5°	3211.7	3069.2	3043.1	3288.1	3800.3	6927.2	17210.4	35816.1	76102.4	134860.1	226290.7
-5°	3140.2	2945.4	2867.4	3067.9	3554.1	6074.3	14471.2	32590.1	67567.2	115366.2	191749.9
-7.5°	2962.3	2775.6	2660.7	2811.6	3236.1	5005.3	11084.8	24679.4	49181.2	85358.5	136214.7
-10°	2809.6	2630.6	2455.6	2503.9	2797.9	3725.7	6900.8	16165.4	32493.3	57619.3	86601.5
-12.5°	2677.5	2527.5	2265.4	2185.7	2350.5	2785.9	4816.3	11018.2	20784.3	32685.5	53001.4
-15°	2540.7	2417.8	2156.1	2030.1	2088.8	2300.9	2850.9	5292.3	11380.5	19371.7	28123.6
-17.5°	2389.1	2304.7	2147.3	1961.2	1881.6	1966.8	2229.6	2983.5	5057.5	10037.8	15494.8
-20°	2286.3	2239.5	2123.9	1960.5	1858.2	1818.8	1909.9	2140.8	2650.1	4559.0	6909.9



REPORT NUMBER: P731452 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2157.7	2138.2	2060.2	2013.5	1938.6	1854.0	1774.1	1845.7	2014.8	2274.9	3087.3
-25°	2035.9	2040.7	2045.7	2107.3	2095.3	1977.1	1825.5	1716.9	1773.9	1855.4	2019.9
-27.5°	1901.2	1968.1	2071.9	2187.7	2241.6	2141.6	1963.0	1800.2	1751.7	1704.0	1773.6
-30°	1782.8	1919.0	2030.2	2171.7	2264.6	2234.8	2142.7	2032.9	1914.1	1831.4	1804.3
-32.5°	1477.5	1855.0	1957.9	2071.7	2210.2	2254.3	2243.9	2201.7	2150.9	2092.7	2032.3
-35°	1148.2	1567.4	1912.2	1977.7	2068.3	2198.9	2301.8	2309.0	2302.4	2281.1	2264.9
-37.5°	810.9	1209.9	1573.2	1864.8	1973.5	2060.6	2218.1	2338.6	2407.0	2401.6	2403.2
-40°	673.4	783.3	1148.8	1485.9	1735.8	1968.7	2094.3	2252.0	2377.2	2428.3	2467.2
-42.5°	649.6	692.2	735.9	988.8	1310.4	1592.3	1809.0	2009.0	2186.0	2312.1	2412.3
-45°	632.9	661.8	694.8	736.9	782.1	1033.9	1314.0	1574.4	1744.6	1914.8	2092.6
-47.5°	632.2	639.3	662.7	692.3	721.1	761.9	808.7	872.2	1060.6	1231.6	1412.2
-50°	613.3	641.9	649.8	658.8	677.3	699.7	721.8	744.6	766.1	779.6	798.0
-52.5°	557.6	594.5	629.1	656.1	663.1	669.9	676.3	691.1	705.5	717.4	731.0
-55°	490.2	529.4	567.4	598.5	626.4	652.7	672.5	675.7	680.0	685.3	693.5
-57.5°	417.3	455.3	491.4	524.0	554.5	582.9	603.4	618.7	632.9	646.4	664.0
-60°	342.3	375.9	408.8	440.3	470.5	499.1	518.0	533.5	546.9	560.2	578.3
-62.5°	268.8	294.6	324.3	352.7	378.9	403.5	423.1	439.7	453.5	467.4	484.1
-65°	209.0	228.2	250.2	270.9	290.3	313.1	334.2	351.6	365.5	379.1	394.1
-67.5°	149.2	167.0	187.6	206.8	224.8	242.2	259.9	276.5	292.0	307.6	323.1
-70°	99.7	112.2	127.2	143.5	160.4	176.2	191.4	205.9	219.8	233.7	246.9
-72.5°	61.8	69.6	77.9	88.8	100.2	111.2	122.0	132.8	143.4	155.9	168.3
-75°	35.2	38.4	44.7	50.8	56.5	61.8	66.5	70.4	73.7	81.0	89.1
-77.5°	29.5	31.1	32.8	34.4	36.1	38.4	40.9	43.5	46.2	52.1	58.6
-80°	23.0	24.1	25.2	26.4	27.6	29.4	31.2	32.9	34.5	38.8	43.4
-82.5°	17.1	17.5	18.0	18.4	18.9	20.2	21.6	22.9	24.2	27.8	31.5
-85°	12.4	12.6	12.8	12.9	13.1	14.3	15.4	16.6	17.7	21.2	24.8
-87.5°	9.7	9.7	9.7	9.7	9.7	11.0	12.1	13.2	14.3	18.1	21.8
-90°	4.2	3.9	3.5	3.2	2.8	2.5	2.1	1.8	1.4	1.4	1.4



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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°	53.1	62.5	52.7	43.0	52.7	62.5	53.1	43.7	34.4	25.0	21.2
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.8
85°	1.7	1.4	1.4	1.4	1.4	1.4	1.7	2.1	2.4	2.7	2.7
82.5°	1.8	1.4	2.1	2.8	2.1	1.4	1.8	2.1	2.5	2.8	3.1
80°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.2
77.5°	3.2	2.8	2.8	2.8	2.8	2.8	3.2	3.5	3.8	4.0	4.0
75°	4.5	4.2	4.2	4.2	4.2	4.2	4.5	4.8	5.1	5.4	5.5
72.5°	8.4	8.2	8.3	8.3	8.3	8.2	8.4	8.6	8.7	8.9	9.1
70°	12.8	13.6	13.9	13.9	13.9	13.6	12.8	11.9	11.2	11.1	11.9
67.5°	10.4	9.9	9.7	9.7	9.7	9.9	10.4	10.8	11.0	11.7	13.0
65°	8.9	8.4	8.3	8.3	8.3	8.4	8.9	9.4	9.9	10.9	12.4
62.5°	7.9	8.2	8.3	8.3	8.3	8.2	7.9	7.7	7.7	8.6	10.1
60°	7.8	8.2	8.3	8.3	8.3	8.2	7.8	7.4	7.0	7.3	8.0
57.5°	7.8	8.2	8.3	8.3	8.3	8.2	7.8	7.3	6.9	7.5	7.9
55°	8.2	8.3	8.8	9.7	8.8	8.3	8.2	8.1	7.8	8.2	8.7
52.5°	9.5	9.6	9.7	9.7	9.7	9.6	9.5	9.3	9.2	9.4	9.5
50°	10.9	11.0	11.1	11.1	11.1	11.0	10.9	10.7	10.6	10.8	10.9
47.5°	13.4	13.7	13.8	13.9	13.8	13.7	13.4	13.0	12.8	12.6	12.4
45°	16.7	16.7	16.6	16.7	16.6	16.7	16.7	16.5	17.5	17.3	15.1
42.5°	22.3	23.0	23.4	23.6	23.4	23.0	22.3	21.5	23.8	27.4	29.8
40°	35.3	35.8	35.5	34.7	35.5	35.8	35.3	33.6	32.0	30.2	32.4
37.5°	48.0	49.0	49.6	50.0	49.6	49.0	48.0	47.4	47.0	44.1	45.1
35°	67.3	68.1	67.6	69.4	67.6	68.1	67.3	66.6	65.5	62.4	69.1
32.5°	109.7	110.3	106.9	108.3	106.9	110.3	109.7	104.7	97.0	94.2	99.8
30°	168.1	175.7	180.4	186.0	180.4	175.7	168.1	159.3	146.7	134.8	130.7
27.5°	255.8	274.7	287.0	294.2	287.0	274.7	255.8	234.1	204.6	189.7	162.0
25°	399.4	428.1	443.5	455.3	443.5	428.1	399.4	357.3	311.1	278.1	244.4
22.5°	775.8	885.5	946.8	1004.9	946.8	885.5	775.8	607.6	485.7	413.0	367.6
20°	1989.2	2117.3	2358.7	2508.0	2358.7	2117.3	1989.2	1390.1	1015.4	685.9	556.4
17.5°	6700.9	8543.0	8886.9	9146.7	8886.9	8543.0	6700.9	4404.9	3302.9	1621.8	1075.2
15°	19955.2	25422.5	26894.0	28146.4	26894.0	25422.5	19955.2	12258.8	8550.8	4962.9	2548.2
12.5°	48180.5	63228.1	71412.6	77630.7	71412.6	63228.1	48180.5	35042.7	19159.7	12968.0	7282.2
10°	100945.1	130404.8	152764.9	165714.1	152764.9	130404.8	100945.1	70353.9	45042.8	24529.8	12797.1
7.5°	171905.5	221837.3	251025.4	265882.6	251025.4	221837.3	171905.5	117465.1	71864.8	40779.8	21445.8
5°	259281.8	323738.7	364473.9	386873.1	364473.9	323738.7	259281.8	175354.6	104739.5	59046.3	29801.7
2.5°	323867.6	406559.6	467620.5	496342.3	467620.5	406559.6	323867.6	228348.9	134743.8	74865.5	35123.2
0°	347253.1	434009.6	503811.6	545628.0	503811.6	434009.6	347253.1	242679.3	147207.0	82857.1	38515.9
-2.5°	324928.8	406374.3	460740.5	486039.4	460740.5	406374.3	324928.8	226290.7	134860.1	76102.4	35816.1
-5°	276305.8	346721.3	385790.1	402328.1	385790.1	346721.3	276305.8	191749.9	115366.2	67567.2	32590.1
-7.5°	196034.0	249747.4	277206.6	293496.7	277206.6	249747.4	196034.0	136214.7	85358.5	49181.2	24679.4
-10°	123422.3	153617.9	179884.3	191766.2	179884.3	153617.9	123422.3	86601.5	57619.3	32493.3	16165.4
-12.5°	71677.2	90794.4	106163.3	112692.0	106163.3	90794.4	71677.2	53001.4	32685.5	20784.3	11018.2
-15°	39610.8	50057.9	57133.7	59901.6	57133.7	50057.9	39610.8	28123.6	19371.7	11380.5	5292.3
-17.5°	22026.7	27096.1	29107.3	32332.5	29107.3	27096.1	22026.7	15494.8	10037.8	5057.5	2983.5
-20°	10791.1	13419.7	14262.5	16537.5	14262.5	13419.7	10791.1	6909.9	4559.0	2650.1	2140.8



REPORT NUMBER: P731452 (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°	4191.6	4812.0	4950.3	6029.3	4950.3	4812.0	4191.6	3087.3	2274.9	2014.8	1845.7
-25°	2176.9	2281.4	2330.0	2456.7	2330.0	2281.4	2176.9	2019.9	1855.4	1773.9	1716.9
-27.5°	1829.9	1880.6	1921.1	1982.0	1921.1	1880.6	1829.9	1773.6	1704.0	1751.7	1800.2
-30°	1783.5	1774.5	1775.7	1782.1	1775.7	1774.5	1783.5	1804.3	1831.4	1914.1	2032.9
-32.5°	1984.3	1953.5	1938.2	1880.7	1938.2	1953.5	1984.3	2032.3	2092.7	2150.9	2201.7
-35°	2255.1	2252.5	2254.5	2227.7	2254.5	2252.5	2255.1	2264.9	2281.1	2302.4	2309.0
-37.5°	2404.0	2408.3	2413.6	2405.3	2413.6	2408.3	2404.0	2403.2	2401.6	2407.0	2338.6
-40°	2480.7	2493.3	2502.1	2499.7	2502.1	2493.3	2480.7	2467.2	2428.3	2377.2	2252.0
-42.5°	2462.2	2493.2	2508.5	2513.6	2508.5	2493.2	2462.2	2412.3	2312.1	2186.0	2009.0
-45°	2255.2	2381.6	2457.8	2478.9	2457.8	2381.6	2255.2	2092.6	1914.8	1744.6	1574.4
-47.5°	1615.5	1802.5	1977.9	2131.9	1977.9	1802.5	1615.5	1412.2	1231.6	1060.6	872.2
-50°	820.8	842.0	885.2	948.0	885.2	842.0	820.8	798.0	779.6	766.1	744.6
-52.5°	744.4	756.6	768.6	780.0	768.6	756.6	744.4	731.0	717.4	705.5	691.1
-55°	701.4	708.9	714.5	719.0	714.5	708.9	701.4	693.5	685.3	680.0	675.7
-57.5°	678.9	691.4	702.1	710.6	702.1	691.4	678.9	664.0	646.4	632.9	618.7
-60°	594.2	607.9	620.7	631.5	620.7	607.9	594.2	578.3	560.2	546.9	533.5
-62.5°	498.5	510.6	523.1	534.4	523.1	510.6	498.5	484.1	467.4	453.5	439.7
-65°	407.4	419.0	429.5	438.6	429.5	419.0	407.4	394.1	379.1	365.5	351.6
-67.5°	337.6	350.9	364.1	376.1	364.1	350.9	337.6	323.1	307.6	292.0	276.5
-70°	259.0	269.9	279.3	287.3	279.3	269.9	259.0	246.9	233.7	219.8	205.9
-72.5°	179.6	189.8	201.6	212.4	201.6	189.8	179.6	168.3	155.9	143.4	132.8
-75°	96.9	104.3	111.3	118.0	111.3	104.3	96.9	89.1	81.0	73.7	70.4
-77.5°	65.1	71.5	76.2	80.5	76.2	71.5	65.1	58.6	52.1	46.2	43.5
-80°	47.9	52.4	56.1	59.7	56.1	52.4	47.9	43.4	38.8	34.5	32.9
-82.5°	35.2	38.8	41.6	44.4	41.6	38.8	35.2	31.5	27.8	24.2	22.9
-85°	28.3	31.9	34.7	37.5	34.7	31.9	28.3	24.8	21.2	17.7	16.6
-87.5°	25.5	29.2	31.2	33.3	31.2	29.2	25.5	21.8	18.1	14.3	13.2
-90°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.8



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	17.3	13.5	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
87.5°	2.1	2.5	2.8	3.2	3.5	3.9	4.2	4.2	4.2	4.2	4.2
85°	2.7	2.7	2.8	3.2	3.5	3.9	4.2	4.4	4.6	4.7	4.8
82.5°	3.4	3.6	3.8	3.9	3.9	4.0	4.2	4.6	4.9	5.3	5.6
80°	3.5	3.9	4.2	4.4	4.5	4.6	4.6	4.8	5.0	5.3	5.6
77.5°	4.0	4.1	4.3	4.8	5.2	5.6	5.8	5.9	6.1	6.2	6.3
75°	5.5	5.5	5.7	6.2	6.6	6.7	6.8	6.7	6.7	6.8	6.9
72.5°	9.2	9.1	9.5	10.3	10.7	11.1	11.0	10.1	9.0	7.7	6.9
70°	12.6	13.1	14.6	16.6	18.0	18.6	18.4	17.0	14.6	12.7	10.8
67.5°	14.2	15.3	17.5	20.5	22.8	24.7	26.6	27.4	26.4	23.8	17.6
65°	14.1	15.9	17.6	19.2	21.8	25.6	32.2	35.6	36.5	35.1	27.3
62.5°	11.7	13.5	14.7	16.1	17.9	21.8	30.8	38.1	43.6	43.5	34.6
60°	8.9	9.8	11.1	12.5	14.0	18.2	26.4	36.1	47.2	44.7	38.2
57.5°	8.2	8.7	9.7	10.5	11.0	14.3	20.6	29.2	39.6	39.7	37.1
55°	9.4	9.9	10.3	10.7	11.2	12.6	15.0	20.3	28.2	30.2	29.8
52.5°	9.6	10.4	11.2	12.0	12.2	12.3	13.0	15.9	18.2	21.4	22.7
50°	11.0	11.2	11.6	12.3	12.6	12.6	12.7	13.5	15.1	16.5	17.4
47.5°	12.5	12.6	12.4	12.6	13.2	13.2	13.0	13.0	14.2	14.9	15.6
45°	15.2	15.1	14.7	15.1	14.9	14.7	14.3	14.8	14.9	15.3	15.3
42.5°	27.4	22.0	18.3	20.1	20.6	19.2	17.4	17.8	17.4	16.7	17.9
40°	37.6	42.7	37.1	29.8	28.0	27.1	24.7	22.2	21.3	19.8	22.1
37.5°	44.6	43.5	53.5	57.6	46.4	37.6	34.6	29.8	26.5	27.4	29.0
35°	68.4	66.0	67.0	72.0	75.5	64.8	50.5	41.0	35.8	36.9	37.4
32.5°	104.4	97.6	97.2	94.7	99.1	98.4	80.9	60.8	52.4	49.7	47.4
30°	132.9	125.9	117.7	132.4	140.3	134.1	116.9	103.4	85.0	65.4	59.2
27.5°	167.0	162.1	149.3	178.5	194.6	184.2	173.0	160.5	127.7	96.3	77.4
25°	232.5	216.8	227.2	247.3	260.8	252.7	240.0	222.6	188.3	142.3	116.5
22.5°	327.4	321.3	321.4	321.5	356.6	346.9	313.0	287.7	280.9	260.0	194.7
20°	507.1	468.9	438.0	483.8	519.4	465.5	398.1	428.5	481.1	431.9	301.3
17.5°	898.4	761.0	688.8	754.7	751.4	652.2	699.4	720.2	719.9	645.9	429.5
15°	1569.4	1288.3	1146.8	1081.8	1078.5	1140.3	1190.2	1061.5	994.6	877.4	639.0
12.5°	3254.3	1928.2	1643.3	1501.4	1525.5	1616.4	1691.2	1510.8	1315.6	1213.3	991.6
10°	5810.9	3099.0	2262.5	2025.4	1962.8	2046.6	2086.5	1907.0	1683.9	1583.7	1367.8
7.5°	11061.2	5098.6	2896.1	2509.6	2325.8	2303.2	2318.4	2212.2	2030.5	1941.2	1756.4
5°	15611.6	6485.4	3379.9	2885.2	2632.5	2563.9	2551.2	2462.1	2359.6	2287.5	2143.6
2.5°	16694.5	6702.1	3797.4	3231.4	2913.0	2820.9	2809.3	2667.0	2579.5	2471.5	2313.6
0°	19266.3	7817.0	3941.8	3357.5	3067.4	3039.6	3106.3	2855.0	2749.5	2620.5	2453.9
-2.5°	17210.4	6927.2	3800.3	3288.1	3043.1	3069.2	3211.7	3023.4	2865.3	2671.6	2422.2
-5°	14471.2	6074.3	3554.1	3067.9	2867.4	2945.4	3140.2	3049.7	2888.2	2682.0	2346.1
-7.5°	11084.8	5005.3	3236.1	2811.6	2660.7	2775.6	2962.3	2908.9	2737.4	2560.7	2190.7
-10°	6900.8	3725.7	2797.9	2503.9	2455.6	2630.6	2809.6	2747.5	2588.2	2436.5	2010.1
-12.5°	4816.3	2785.9	2350.5	2185.7	2265.4	2527.5	2677.5	2572.6	2445.4	2313.3	1811.4
-15°	2850.9	2300.9	2088.8	2030.1	2156.1	2417.8	2540.7	2439.6	2341.3	2193.0	1601.2
-17.5°	2229.6	1966.8	1881.6	1961.2	2147.3	2304.7	2389.1	2333.8	2218.7	1992.5	1348.6
-20°	1909.9	1818.8	1858.2	1960.5	2123.9	2239.5	2286.3	2217.7	2070.7	1680.0	1091.2



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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°	1774.1	1854.0	1938.6	2013.5	2060.2	2138.2	2157.7	2080.6	1903.3	1349.8	840.7
-25°	1825.5	1977.1	2095.3	2107.3	2045.7	2040.7	2035.9	1926.5	1571.0	1045.0	630.3
-27.5°	1963.0	2141.6	2241.6	2187.7	2071.9	1968.1	1901.2	1736.6	1230.1	805.2	592.8
-30°	2142.7	2234.8	2264.6	2171.7	2030.2	1919.0	1782.8	1363.8	948.4	621.9	565.0
-32.5°	2243.9	2254.3	2210.2	2071.7	1957.9	1855.0	1477.5	1022.9	685.7	592.4	550.4
-35°	2301.8	2198.9	2068.3	1977.7	1912.2	1567.4	1148.2	763.0	611.6	567.1	539.0
-37.5°	2218.1	2060.6	1973.5	1864.8	1573.2	1209.9	810.9	643.7	586.0	554.2	535.4
-40°	2094.3	1968.7	1735.8	1485.9	1148.8	783.3	673.4	619.7	579.3	547.2	536.0
-42.5°	1809.0	1592.3	1310.4	988.8	735.9	692.2	649.6	608.8	577.6	555.7	511.6
-45°	1314.0	1033.9	782.1	736.9	694.8	661.8	632.9	608.5	587.5	536.4	479.5
-47.5°	808.7	761.9	721.1	692.3	662.7	639.3	632.2	617.4	558.8	502.2	444.9
-50°	721.8	699.7	677.3	658.8	649.8	641.9	613.3	572.6	515.8	459.2	404.5
-52.5°	676.3	669.9	663.1	656.1	629.1	594.5	557.6	514.0	463.6	409.3	356.6
-55°	672.5	652.7	626.4	598.5	567.4	529.4	490.2	448.9	403.2	353.2	307.6
-57.5°	603.4	582.9	554.5	524.0	491.4	455.3	417.3	378.2	340.5	298.5	257.9
-60°	518.0	499.1	470.5	440.3	408.8	375.9	342.3	309.3	277.1	246.2	213.4
-62.5°	423.1	403.5	378.9	352.7	324.3	294.6	268.8	246.3	222.8	196.6	166.7
-65°	334.2	313.1	290.3	270.9	250.2	228.2	209.0	188.9	167.5	144.5	118.8
-67.5°	259.9	242.2	224.8	206.8	187.6	167.0	149.2	130.9	115.0	99.1	80.8
-70°	191.4	176.2	160.4	143.5	127.2	112.2	99.7	87.0	73.1	62.0	52.6
-72.5°	122.0	111.2	100.2	88.8	77.9	69.6	61.8	54.0	46.3	38.9	33.4
-75°	66.5	61.8	56.5	50.8	44.7	38.4	35.2	33.7	32.0	30.1	27.9
-77.5°	40.9	38.4	36.1	34.4	32.8	31.1	29.5	27.9	26.3	24.9	23.6
-80°	31.2	29.4	27.6	26.4	25.2	24.1	23.0	22.1	21.2	20.5	19.8
-82.5°	21.6	20.2	18.9	18.4	18.0	17.5	17.1	16.7	16.5	16.2	15.9
-85°	15.4	14.3	13.1	12.9	12.8	12.6	12.4	12.5	12.6	12.8	12.8
-87.5°	12.1	11.0	9.7	9.7	9.7	9.7	9.7	10.0	10.2	10.5	10.7
-90°	2.1	2.5	2.8	3.2	3.5	3.9	4.2	4.2	4.2	4.2	4.2



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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°	9.4	9.0	8.7	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	4.6	4.9	5.3	5.6	5.9	6.3	6.6	6.9	6.9	6.9	6.9
85°	4.9	5.1	5.3	5.6	5.9	6.3	6.6	6.9	6.9	6.9	6.9
82.5°	5.6	5.6	5.5	5.6	6.0	6.3	6.6	6.9	6.9	6.9	6.9
80°	5.9	6.0	6.0	6.0	6.1	6.3	6.6	6.9	6.9	6.9	6.9
77.5°	6.3	6.4	6.7	6.7	6.6	6.6	6.7	6.9	6.9	6.9	6.9
75°	6.9	6.8	6.8	7.0	7.0	6.9	6.8	7.0	7.0	6.9	6.9
72.5°	6.9	6.9	6.9	7.1	7.3	7.3	7.1	7.0	7.2	7.2	7.0
70°	8.9	7.3	6.9	7.1	7.5	7.8	7.7	7.5	7.4	7.5	7.3
67.5°	12.5	10.4	8.6	7.5	7.5	7.9	8.2	8.1	8.0	7.8	7.7
65°	20.1	14.6	10.9	9.4	8.3	7.9	8.3	8.6	8.5	8.3	8.1
62.5°	26.6	19.5	14.6	11.6	9.7	8.7	8.4	8.8	9.0	8.8	8.5
60°	32.0	23.9	18.4	14.8	11.7	9.5	9.0	9.1	9.3	9.3	8.9
57.5°	31.2	26.7	22.8	18.3	14.4	11.2	9.7	9.6	9.7	9.7	9.3
55°	27.7	24.7	25.6	22.3	17.5	13.5	11.0	10.3	10.2	10.1	9.9
52.5°	21.7	23.3	25.9	25.3	21.1	16.1	13.2	11.0	10.8	10.5	10.5
50°	17.3	20.9	25.6	27.0	24.4	19.4	15.3	12.7	11.3	11.0	11.1
47.5°	16.8	20.0	23.4	28.2	27.1	22.3	17.7	14.4	11.9	11.6	11.8
45°	18.2	20.8	22.7	26.4	29.5	24.4	19.9	16.0	13.4	12.4	12.6
42.5°	20.6	22.8	24.3	24.8	28.2	26.1	21.8	17.7	14.7	13.4	13.4
40°	24.3	25.8	26.7	27.2	27.1	27.3	23.0	19.1	16.0	14.6	14.3
37.5°	28.7	29.7	30.0	31.0	27.9	27.1	23.8	20.3	17.8	16.2	15.3
35°	36.3	34.5	35.7	36.2	32.6	27.8	24.3	21.1	19.8	17.7	16.3
32.5°	45.2	43.0	43.7	42.3	38.5	29.2	25.1	23.4	22.0	19.3	17.4
30°	57.5	58.6	53.6	49.3	45.1	34.5	27.7	26.1	24.3	20.8	18.5
27.5°	80.4	77.9	66.3	58.6	51.7	41.6	33.1	29.0	26.8	22.5	19.8
25°	109.7	101.1	85.1	69.5	58.9	62.6	39.1	32.3	29.3	24.5	21.1
22.5°	148.6	127.8	106.2	81.6	89.7	90.3	51.0	37.2	31.9	26.5	22.3
20°	193.1	157.7	138.0	129.6	126.8	118.1	71.4	42.5	34.7	28.6	23.5
17.5°	250.4	220.3	214.4	188.7	167.6	148.4	95.4	48.1	37.5	30.7	24.6
15°	422.6	322.8	296.1	253.7	211.0	180.9	122.2	53.9	40.4	32.8	25.1
12.5°	646.4	428.6	381.6	323.1	256.3	215.0	150.9	59.8	43.4	33.8	24.7
10°	898.2	536.5	470.0	395.5	302.8	250.0	180.6	65.5	44.7	33.7	24.3
7.5°	1166.1	645.2	559.7	469.3	348.1	282.8	210.1	70.7	45.9	33.5	23.9
5°	1409.2	734.3	630.6	525.3	384.1	311.7	238.5	75.7	46.9	33.1	23.4
2.5°	1514.9	790.5	687.6	575.6	418.6	339.2	264.6	80.5	47.9	32.6	22.8
0°	1592.0	842.5	741.2	621.8	451.1	365.0	287.3	84.7	48.6	31.9	22.2
-2.5°	1518.3	834.1	729.3	619.9	461.8	370.4	288.4	97.9	58.2	37.6	24.6
-5°	1421.4	821.6	714.4	613.9	469.6	373.6	285.7	110.2	67.3	43.0	26.8
-7.5°	1336.7	790.0	692.6	603.1	474.2	374.4	280.0	121.3	75.7	47.9	28.8
-10°	1229.0	746.5	661.0	578.0	467.4	372.3	272.5	131.2	83.2	52.2	30.5
-12.5°	1088.1	701.8	629.0	553.3	457.3	368.0	266.1	140.5	89.9	55.8	31.9
-15°	912.1	656.7	597.3	530.2	446.0	362.3	258.5	148.6	96.7	59.4	32.9
-17.5°	703.9	612.0	566.5	509.9	433.7	355.3	250.4	155.0	102.4	63.2	34.5
-20°	642.0	580.4	537.6	493.6	420.9	347.3	242.3	159.4	106.9	66.0	36.2



REPORT NUMBER: P731452 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	609.3	560.1	522.1	476.9	408.3	338.5	234.7	161.8	110.1	67.7	37.2
-25°	575.8	540.9	510.7	460.8	396.0	324.8	231.9	162.0	111.8	68.0	37.3
-27.5°	551.3	524.5	501.7	443.7	381.6	313.4	231.1	163.3	112.1	67.1	36.5
-30°	532.2	515.4	484.2	425.9	365.6	297.1	227.6	162.9	110.8	65.8	34.8
-32.5°	522.8	509.9	463.6	406.8	346.5	279.7	217.0	160.6	107.7	63.8	33.8
-35°	522.7	493.9	442.3	386.2	325.9	263.3	203.9	156.3	102.7	60.3	32.7
-37.5°	521.0	470.7	418.5	363.7	304.5	245.8	191.5	144.5	95.7	55.4	30.9
-40°	493.9	444.4	392.8	339.8	283.6	227.0	177.0	130.9	88.4	49.1	28.5
-42.5°	464.5	414.7	364.1	314.6	261.9	208.9	160.6	115.9	77.6	44.3	25.5
-45°	430.5	381.9	332.4	286.2	239.1	188.5	142.4	100.0	65.4	40.1	23.2
-47.5°	393.4	344.7	298.8	255.7	213.4	166.1	122.8	85.4	52.6	35.0	22.3
-50°	350.3	305.4	263.4	223.8	183.8	142.6	102.6	69.8	45.3	28.6	21.4
-52.5°	307.6	264.6	227.7	191.3	154.5	117.5	84.1	54.1	37.5	25.3	20.2
-55°	263.2	225.2	192.4	158.4	124.3	94.3	64.5	44.8	29.3	23.5	18.9
-57.5°	222.4	187.8	156.1	124.6	96.8	70.9	50.1	35.1	25.8	21.6	18.2
-60°	181.1	148.6	118.5	94.3	70.9	52.2	38.7	27.5	23.6	19.8	17.3
-62.5°	137.1	109.3	87.0	66.0	51.0	39.2	28.5	25.0	21.3	18.7	16.3
-65°	97.9	77.0	57.3	47.4	36.9	28.6	25.7	22.4	19.8	17.5	15.3
-67.5°	62.5	51.8	41.5	32.2	28.1	25.5	22.8	20.6	18.4	16.3	14.6
-70°	43.3	34.2	29.5	27.0	24.7	22.4	20.8	19.0	17.0	15.5	13.9
-72.5°	30.7	28.0	25.5	23.3	21.9	20.5	19.0	17.5	16.1	14.7	13.2
-75°	25.6	23.9	22.4	21.0	19.8	18.5	17.5	16.5	15.2	13.8	12.4
-77.5°	22.2	21.0	19.8	18.7	17.8	16.9	16.2	15.4	14.1	12.7	11.5
-80°	18.8	18.0	17.2	16.5	15.8	15.3	14.6	13.9	12.7	11.6	10.6
-82.5°	15.4	15.0	14.6	14.1	13.7	13.2	12.7	12.2	11.3	10.5	9.9
-85°	12.6	12.3	12.0	11.7	11.4	11.1	10.9	10.7	10.2	9.7	9.3
-87.5°	10.5	10.3	10.1	9.9	9.8	9.7	9.6	9.5	9.2	9.0	8.8
-90°	4.6	4.9	5.3	5.6	5.9	6.3	6.6	6.9	6.9	6.9	6.9



REPORT NUMBER: P731452 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.3	8.0	7.6	7.3	6.9	6.9	6.9
87.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
85°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
82.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
80°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
77.5°	6.9	7.0	6.9	6.9	6.9	6.9	6.9
75°	7.0	7.1	6.9	6.9	6.9	6.9	6.9
72.5°	7.0	7.3	7.2	6.9	6.9	6.9	6.9
70°	7.2	7.5	7.5	7.0	6.9	6.9	6.9
67.5°	7.6	7.8	7.7	7.2	6.9	6.9	6.9
65°	8.0	8.1	8.0	7.5	6.9	6.9	6.9
62.5°	8.4	8.4	8.3	7.8	6.9	6.9	6.9
60°	8.8	8.7	8.7	8.1	6.9	6.9	6.9
57.5°	9.3	9.1	8.9	8.4	7.1	6.9	6.9
55°	9.8	9.4	9.2	8.7	7.3	6.9	6.9
52.5°	10.3	9.8	9.5	9.0	7.4	6.9	6.9
50°	10.8	10.2	9.7	9.3	7.6	6.9	6.9
47.5°	11.4	10.7	10.0	9.6	7.8	6.9	6.9
45°	12.1	11.2	10.3	9.8	7.9	6.9	6.9
42.5°	12.8	11.7	10.5	10.0	8.0	6.9	6.9
40°	13.5	12.2	10.8	10.1	8.1	6.9	6.9
37.5°	14.3	12.7	11.2	10.1	8.2	6.9	6.9
35°	15.1	13.3	11.6	10.1	8.3	6.9	6.9
32.5°	15.9	13.9	12.0	10.2	8.4	6.9	6.9
30°	16.8	14.5	12.4	10.2	8.4	6.9	6.9
27.5°	17.7	15.2	12.5	10.2	8.5	6.9	6.9
25°	18.6	15.9	12.5	10.2	8.5	6.9	6.9
22.5°	19.5	16.3	12.5	10.2	8.5	6.9	6.9
20°	20.4	16.3	12.5	10.2	8.6	6.9	6.9
17.5°	20.6	16.1	12.4	10.1	8.6	6.9	6.9
15°	20.2	16.0	12.3	10.1	8.5	6.9	6.9
12.5°	19.8	15.7	12.1	10.1	8.5	6.9	6.9
10°	19.3	15.4	12.0	10.0	8.5	6.9	6.9
7.5°	18.7	15.1	11.8	9.9	8.5	6.9	6.9
5°	18.1	14.7	11.6	9.9	8.4	6.9	6.9
2.5°	17.4	14.3	11.3	9.8	8.4	6.9	6.9
0°	16.7	13.9	11.1	9.7	8.3	6.9	6.9
-2.5°	17.4	14.0	11.2	9.7	8.3	6.9	6.9
-5°	18.1	14.2	11.3	9.7	8.3	7.0	6.9
-7.5°	18.7	14.2	11.4	9.7	8.3	7.0	6.9
-10°	19.2	14.3	11.5	9.6	8.3	7.0	6.9
-12.5°	19.5	14.3	11.5	9.6	8.2	7.0	6.9
-15°	19.8	14.3	11.5	9.6	8.2	7.1	6.9
-17.5°	19.9	14.3	11.5	9.5	8.2	7.1	6.9
-20°	20.2	14.3	11.5	9.4	8.2	7.1	6.9



REPORT NUMBER: P731452 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-1S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20.8	14.2	11.4	9.4	8.2	7.1	6.9
-25°	21.0	14.3	11.3	9.3	8.1	7.2	6.9
-27.5°	20.9	14.4	11.2	9.2	8.1	7.2	6.9
-30°	20.3	14.5	11.0	9.1	8.1	7.2	6.9
-32.5°	19.4	14.5	11.0	9.0	8.1	7.2	6.9
-35°	19.0	14.4	10.9	8.9	8.1	7.2	6.9
-37.5°	18.8	14.2	10.8	8.8	8.1	7.2	6.9
-40°	18.6	14.1	10.7	8.7	8.1	7.2	6.9
-42.5°	18.1	13.9	10.6	8.6	8.1	7.2	6.9
-45°	17.6	13.6	10.6	8.6	8.1	7.3	6.9
-47.5°	16.9	13.3	10.5	8.6	8.1	7.2	6.9
-50°	16.4	13.0	10.4	8.6	8.1	7.2	6.9
-52.5°	15.9	12.6	10.3	8.7	8.1	7.2	6.9
-55°	15.4	12.3	10.2	8.7	8.1	7.2	6.9
-57.5°	14.8	12.1	10.0	8.7	8.1	7.2	6.9
-60°	14.2	11.8	9.8	8.7	8.1	7.2	6.9
-62.5°	13.7	11.5	9.8	8.7	8.0	7.2	6.9
-65°	13.3	11.2	9.7	8.7	8.0	7.2	6.9
-67.5°	12.8	10.9	9.5	8.6	7.9	7.1	6.9
-70°	12.2	10.6	9.4	8.6	7.8	7.1	6.9
-72.5°	11.7	10.2	9.2	8.5	7.7	7.1	6.9
-75°	11.1	9.9	9.0	8.3	7.6	7.1	6.9
-77.5°	10.4	9.5	8.8	8.1	7.5	7.0	6.9
-80°	9.8	9.1	8.5	8.0	7.4	7.0	6.9
-82.5°	9.4	8.8	8.3	7.8	7.3	7.0	6.9
-85°	9.0	8.5	8.1	7.6	7.1	7.0	6.9
-87.5°	8.7	8.3	7.8	7.4	7.0	6.9	6.9
-90°	6.9	6.9	6.9	6.9	6.9	6.9	6.9

(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

