

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: P731403 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-70-1S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731403 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-57-70-1S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 1S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

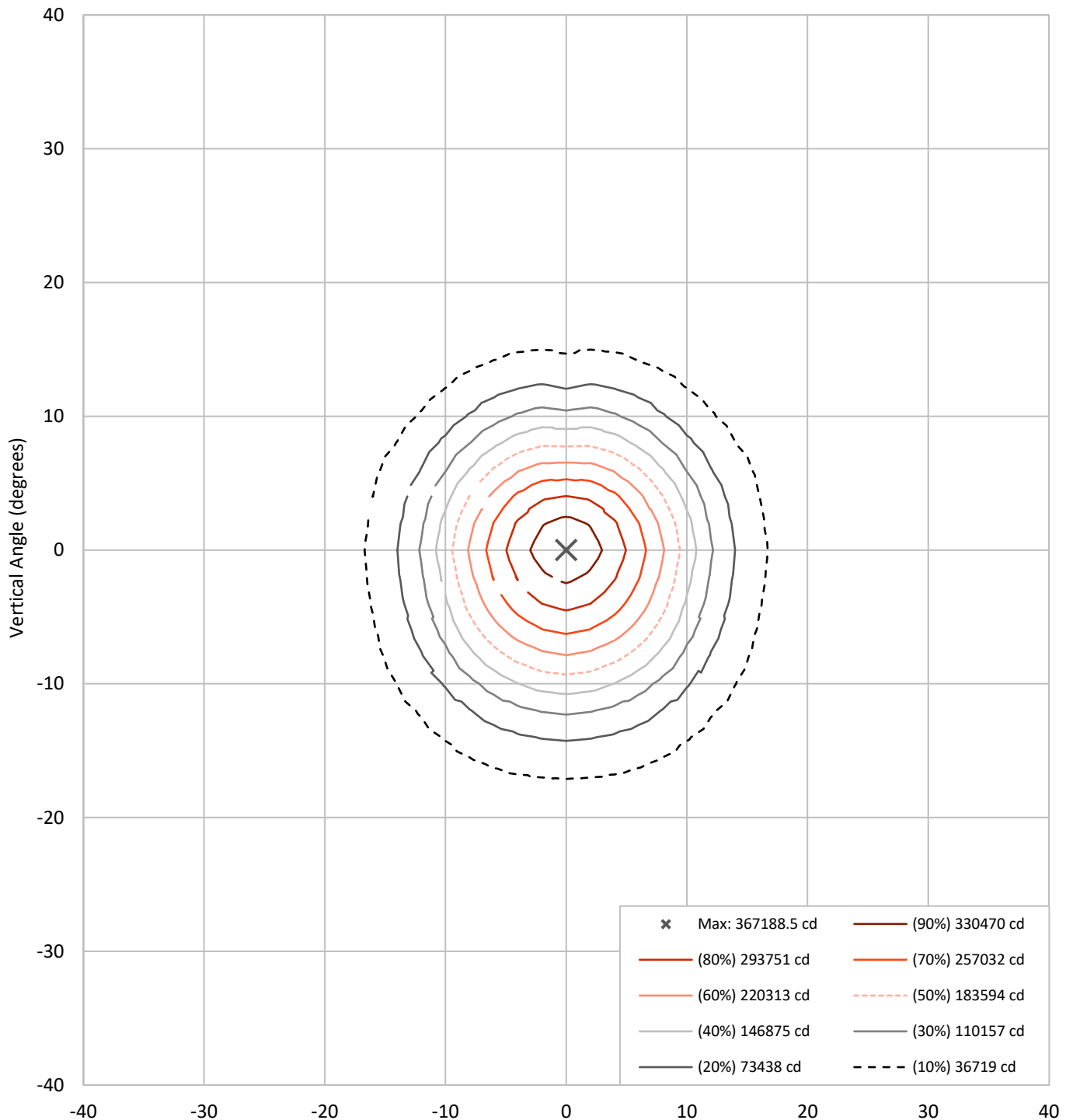
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	42333.6 lumens	Max Intensity:	367188.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	123.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 17.1°V	Field Angle (10%):	33.2°H x 31.5°V
Beam Lumens:	19499.9 lumens	Field Lumens:	35843.7 lumens
Beam Efficiency:	46.1%	Field Efficiency:	84.7%

Input Watts (W): 343.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





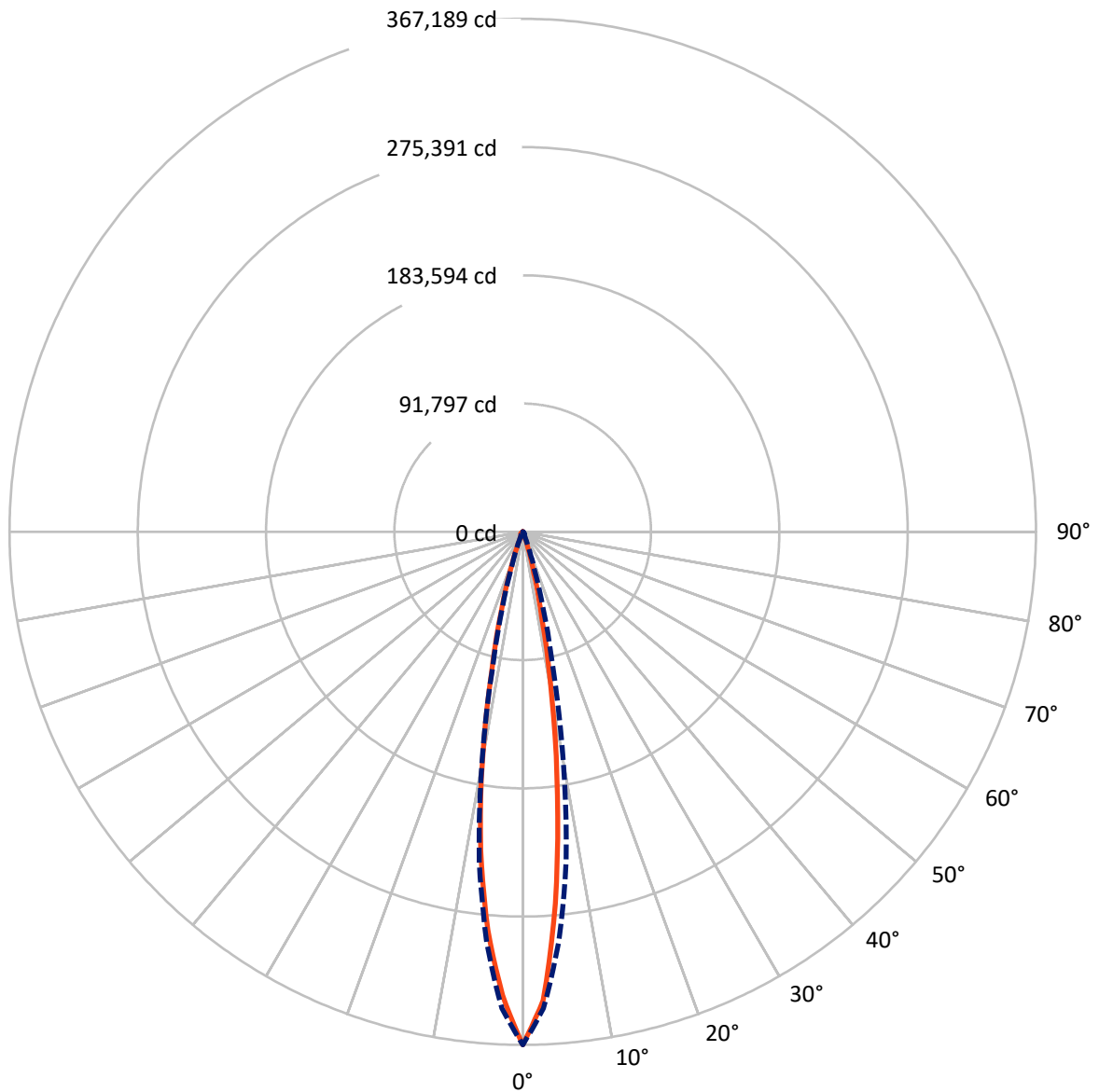
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Lumen Table

90	0.1		0.2		0.3		0.3		0.4		0.3		0.3		0.2		0.1	
80	0.1		0.2		0.3		0.3		0.4		0.3		0.3		0.2		0.1	
70	0.1	0.1	0.1	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.1	0.1	0.1		
60		0.1	0.2	0.4	0.3	0.2	0.1	0.2	0.2	0.1	0.2	0.3	0.4	0.2	0.1			
50	0.1	0.1	0.2	0.3	0.3	0.5	0.6	0.7	0.7	0.6	0.5	0.3	0.3	0.2	0.1	0.1		
40		0.1	0.5	0.9	2.0	3.2	3.4	3.9	3.9	3.4	3.2	2.0	0.9	0.5	0.1			
30	0.1	0.2	1.5	5.1	13.7	16.6	22.0	41.0	41.0	22.0	16.6	13.7	5.1	1.5	0.2	0.1		
20		0.5	3.3	13.4	29.1	40.9	279.5	1124.2	1124.2	279.5	40.9	29.1	13.4	3.3	0.5			
10	0.2	1.0	5.6	25.8	44.0	102.0	1460.7	6303.6	6303.6	1460.7	102.0	44.0	25.8	5.6	1.0	0.2		
0		1.6	7.4	30.4	50.8	101.2	1584.7	6746.6	6746.6	1584.7	101.2	50.8	30.4	7.4	1.6			
-10	0.3	1.8	7.6	28.6	54.1	63.6	459.6	1740.5	1740.5	459.6	63.6	54.1	28.6	7.6	1.8	0.3		
-20		1.7	6.7	15.8	41.3	51.2	62.4	115.4	115.4	62.4	51.2	41.3	15.8	6.7	1.7			
-30	0.3	1.5	5.0	9.3	23.0	43.6	52.1	54.1	54.1	52.1	43.6	23.0	9.3	5.0	1.5	0.3		
-40		0.9	3.4	7.3	11.8	21.3	39.0	53.8	53.8	39.0	21.3	11.8	7.3	3.4	0.9			
-50	0.2	0.4	2.0	4.9	9.0	12.8	15.9	17.8	17.8	15.9	12.8	9.0	4.9	2.0	0.4	0.2		
-60		0.2	0.7	2.3	4.8	7.8	10.9	12.9	12.9	10.9	7.8	4.8	2.3	0.7	0.2			
-70	0.1	0.5	1.7	4.3	6.3	4.3	1.7	0.5	0.1									
-80		0.1	0.5	1.7	4.3	6.3	4.3	1.7	0.5									
-90	0.1		0.5		1.7		4.3		6.3		4.3		1.7		0.5		0.1	

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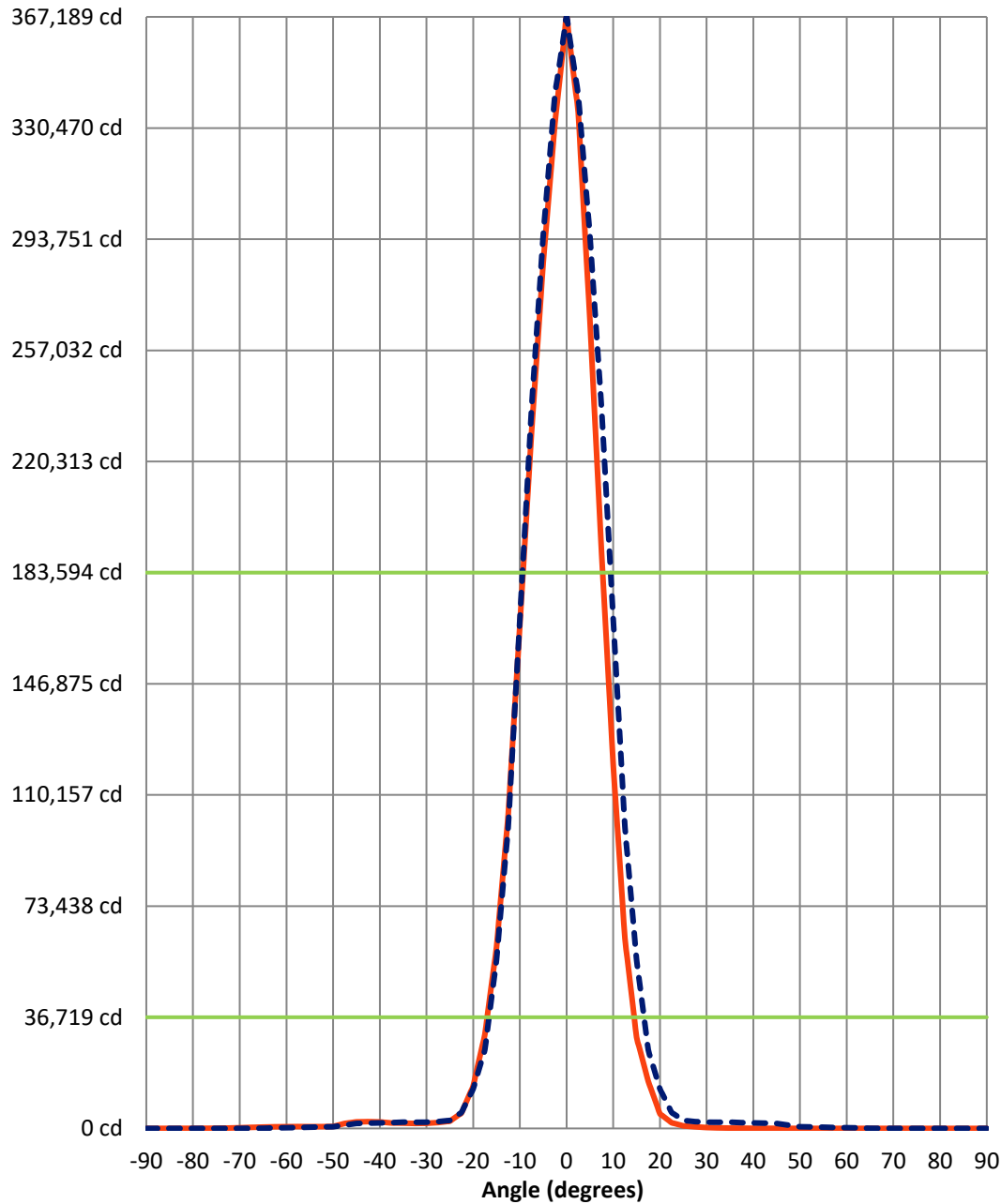
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 18.9°
 V Angle: 17.1°
 Lumens: 19499.9
 Efficiency: 46.1%

Field:
 H Angle: 33.2°
 V Angle: 31.5°
 Lumens: 35843.7
 Efficiency: 84.7%

Spill:
 Lumens: 6489.9
 Efficiency: 15.3%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.7	5.0	5.2	5.4
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.3	4.1	3.8	3.6
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.3	4.1	3.8	3.6
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.3	4.1	3.9	3.9
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.3	4.2	4.2	4.2
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.5
75°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
67.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.6
65°	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.5	4.7	4.8	4.7
62.5°	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.7	4.9	4.9	4.7
60°	4.5	4.5	4.5	4.5	4.5	4.7	4.7	4.9	5.1	5.0	4.8
57.5°	4.5	4.5	4.5	4.5	4.6	4.8	4.8	5.2	5.2	5.0	4.8
55°	4.5	4.5	4.5	4.5	4.7	4.9	5.0	5.4	5.3	5.1	4.9
52.5°	4.5	4.5	4.5	4.5	4.8	5.0	5.2	5.4	5.3	5.1	4.9
50°	4.5	4.5	4.5	4.5	4.9	5.1	5.3	5.4	5.3	5.2	5.5
47.5°	4.5	4.5	4.5	4.5	5.0	5.2	5.4	5.4	5.4	5.2	6.1
45°	4.5	4.5	4.5	4.6	5.1	5.2	5.4	5.4	5.4	5.6	6.5
42.5°	4.5	4.5	4.5	4.7	5.2	5.3	5.4	5.4	5.5	5.9	7.1
40°	4.5	4.5	4.5	4.8	5.3	5.3	5.4	5.5	5.6	6.1	7.6
37.5°	4.5	4.5	4.5	4.8	5.3	5.4	5.4	5.6	5.9	6.5	8.0
35°	4.5	4.5	4.5	4.9	5.3	5.4	5.4	5.7	6.1	7.2	8.3
32.5°	4.5	4.5	4.5	5.0	5.4	5.4	5.4	5.8	6.4	7.9	9.3
30°	4.5	4.5	4.5	5.0	5.4	5.4	5.5	6.0	6.6	8.8	10.5
27.5°	4.5	4.5	4.5	5.1	5.4	5.4	5.6	6.2	7.0	9.8	11.9
25°	4.5	4.5	4.5	5.1	5.4	5.4	5.7	6.4	7.8	10.9	13.4
22.5°	4.5	4.5	4.5	5.2	5.4	5.4	5.8	6.5	8.5	12.1	15.8
20°	4.5	4.5	4.5	5.2	5.4	5.5	6.0	6.7	9.3	13.3	18.0
17.5°	4.5	4.5	4.5	5.3	5.4	5.6	6.1	6.9	10.1	14.7	20.2
15°	4.5	4.5	4.5	5.3	5.4	5.7	6.3	7.1	10.9	16.0	22.3
12.5°	4.5	4.5	4.5	5.3	5.4	5.8	6.5	7.4	11.8	17.4	24.3
10°	4.5	4.5	4.5	5.4	5.4	5.9	6.6	7.7	12.6	19.0	27.1
7.5°	4.5	4.5	4.5	5.4	5.4	6.0	6.8	8.1	13.4	20.7	32.2
5°	4.5	4.5	4.5	5.4	5.4	6.1	6.9	8.4	14.1	22.3	37.5
2.5°	4.5	4.5	4.5	5.4	5.4	6.2	7.1	8.7	14.8	23.9	42.8
0°	4.5	4.5	4.5	5.4	5.4	6.3	7.2	9.0	15.3	25.3	47.8
-2.5°	4.5	4.5	4.5	5.4	5.5	6.4	7.7	10.8	19.3	32.8	60.6
-5°	4.5	4.5	4.6	5.4	5.6	6.5	8.1	12.6	23.2	40.0	72.5
-7.5°	4.5	4.5	4.6	5.4	5.6	6.6	8.5	14.2	26.7	46.6	83.5
-10°	4.5	4.5	4.7	5.4	5.7	6.6	8.9	15.6	29.9	52.5	93.1
-12.5°	4.5	4.5	4.7	5.4	5.8	6.7	9.2	16.7	32.5	57.7	100.6
-15°	4.5	4.5	4.7	5.3	5.8	6.7	9.4	17.6	35.4	63.2	106.4
-17.5°	4.5	4.5	4.7	5.3	5.8	6.8	9.6	19.0	38.6	67.8	110.9
-20°	4.5	4.5	4.8	5.3	5.9	6.8	9.9	20.5	41.1	71.3	113.8



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 CATALOG NUMBER: EPH-LS-08-0320N-57-70-1S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.5	4.5	4.8	5.3	5.9	6.8	10.5	21.4	42.7	73.8	115.1
-25°	4.5	4.5	4.8	5.3	5.9	7.0	10.8	21.8	43.3	75.1	114.8
-27.5°	4.5	4.5	4.8	5.3	5.9	7.2	10.9	21.5	43.0	75.4	115.8
-30°	4.5	4.5	4.8	5.3	5.8	7.3	10.7	20.5	42.3	74.9	115.3
-32.5°	4.5	4.5	4.8	5.3	5.9	7.4	10.1	20.0	41.2	72.9	113.2
-35°	4.5	4.5	4.8	5.3	5.9	7.5	10.0	19.3	39.0	69.6	109.5
-37.5°	4.5	4.5	4.8	5.4	5.9	7.4	10.0	18.3	35.7	64.7	99.9
-40°	4.5	4.5	4.8	5.4	5.9	7.4	10.0	16.7	31.4	59.6	89.5
-42.5°	4.5	4.5	4.8	5.4	5.9	7.4	9.8	14.6	28.1	51.8	78.3
-45°	4.5	4.5	4.8	5.4	5.9	7.3	9.5	13.0	25.2	43.2	66.7
-47.5°	4.5	4.5	4.7	5.5	5.9	7.2	9.2	12.6	21.5	34.2	56.5
-50°	4.5	4.5	4.7	5.4	5.9	7.0	8.9	12.0	16.9	28.9	45.8
-52.5°	4.5	4.5	4.7	5.3	5.9	6.8	8.6	11.3	14.7	23.4	35.1
-55°	4.5	4.5	4.6	5.2	5.9	6.7	8.3	10.5	13.6	17.7	28.6
-57.5°	4.5	4.5	4.6	5.2	5.8	6.6	7.9	10.0	12.4	15.3	21.9
-60°	4.5	4.5	4.5	5.1	5.7	6.4	7.5	9.4	11.3	13.9	16.6
-62.5°	4.5	4.5	4.5	5.0	5.6	6.3	7.3	8.8	10.6	12.5	15.1
-65°	4.5	4.5	4.5	4.9	5.5	6.1	7.0	8.2	9.9	11.6	13.5
-67.5°	4.5	4.5	4.5	4.8	5.4	5.9	6.6	7.8	9.1	10.7	12.3
-70°	4.5	4.5	4.5	4.7	5.2	5.7	6.3	7.3	8.5	9.8	11.3
-72.5°	4.5	4.5	4.5	4.7	5.1	5.6	6.0	6.8	7.8	9.0	10.3
-75°	4.5	4.5	4.5	4.7	4.9	5.4	5.8	6.4	7.2	8.2	9.3
-77.5°	4.5	4.5	4.5	4.6	4.9	5.2	5.6	6.1	6.7	7.4	8.3
-80°	4.5	4.5	4.5	4.6	4.8	5.1	5.4	5.8	6.3	6.9	7.5
-82.5°	4.5	4.5	4.5	4.6	4.7	4.9	5.2	5.5	5.9	6.3	6.8
-85°	4.5	4.5	4.5	4.6	4.7	4.8	5.0	5.3	5.6	5.9	6.2
-87.5°	4.5	4.5	4.5	4.5	4.6	4.6	4.7	5.0	5.3	5.5	5.8
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.3	4.1	3.8	3.6



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
87.5°	3.6	3.6	3.6	3.6	3.4	3.2	2.9	2.7	2.7	2.7	2.7
85°	3.6	3.6	3.6	3.6	3.4	3.2	2.9	2.7	2.7	2.7	2.7
82.5°	3.9	3.8	3.7	3.6	3.4	3.2	3.0	2.8	2.8	2.8	2.8
80°	4.2	4.1	3.9	3.6	3.5	3.4	3.4	3.4	3.4	3.2	3.0
77.5°	4.3	4.1	3.9	3.7	3.6	3.7	3.7	3.6	3.4	3.2	3.0
75°	4.3	4.1	4.0	4.0	4.1	4.0	3.9	3.7	3.5	3.4	3.4
72.5°	4.4	4.3	4.3	4.5	4.4	4.2	3.9	3.7	3.9	4.4	4.7
70°	4.5	4.5	4.5	4.5	4.4	4.3	4.5	5.1	5.8	6.8	8.3
67.5°	4.5	4.5	4.5	4.5	4.5	4.8	5.4	8.8	12.7	14.4	15.1
65°	4.5	4.5	4.5	4.5	4.5	7.0	10.7	15.3	20.1	21.0	20.4
62.5°	4.5	4.5	4.5	5.2	7.3	10.6	15.0	19.9	25.6	25.8	22.5
60°	4.6	4.5	5.4	7.4	9.9	13.2	18.1	22.1	26.3	28.2	21.6
57.5°	4.6	5.2	7.0	9.4	12.1	14.6	17.5	21.4	23.4	23.7	17.4
55°	5.0	6.4	8.6	11.3	13.4	13.2	15.4	17.1	17.8	16.8	12.0
52.5°	5.9	7.5	10.1	12.6	13.4	12.4	12.0	13.1	12.7	10.8	8.9
50°	6.7	8.8	11.5	13.6	13.4	11.5	9.7	10.2	9.8	8.5	7.2
47.5°	7.6	9.9	13.1	14.5	12.9	11.5	9.9	9.4	8.9	9.1	8.1
45°	8.5	11.1	14.6	14.3	13.2	12.7	11.5	9.8	11.4	11.7	11.4
42.5°	9.2	12.1	14.5	14.3	15.0	14.7	13.6	14.3	15.2	15.9	16.3
40°	9.8	12.8	14.8	16.9	17.3	17.2	18.7	19.9	20.0	21.4	22.4
37.5°	10.3	13.5	16.6	21.6	19.9	21.6	24.5	27.1	28.6	27.5	30.7
35°	10.5	14.7	22.5	27.7	26.2	27.6	32.2	37.3	42.4	39.5	45.1
32.5°	11.4	16.4	30.0	34.7	39.8	40.1	40.9	55.1	65.9	70.7	73.4
30°	13.4	23.3	38.4	42.8	58.9	62.2	61.6	79.2	99.1	146.6	183.0
27.5°	16.2	31.7	46.1	59.6	82.3	88.2	96.6	116.7	177.9	268.2	370.4
25°	18.9	42.6	54.6	82.2	107.6	119.6	134.1	164.5	288.2	490.5	564.6
22.5°	24.8	54.9	68.3	108.1	135.5	152.0	178.2	252.5	423.3	734.2	754.2
20°	34.2	66.2	88.3	132.5	166.0	184.1	222.2	343.8	573.6	800.1	888.2
17.5°	44.1	78.9	110.2	157.2	198.9	224.7	271.6	430.6	690.6	885.3	989.2
15°	54.3	92.4	130.4	184.4	235.0	275.6	369.3	547.9	771.7	985.9	1135.4
12.5°	64.5	106.6	149.0	213.5	273.6	326.4	487.4	741.7	949.0	1121.2	1318.6
10°	74.5	121.1	165.9	243.5	313.9	376.7	617.4	950.5	1154.8	1306.7	1479.6
7.5°	98.8	143.3	184.7	273.5	354.8	425.9	753.1	1166.7	1341.7	1465.5	1595.8
5°	126.1	173.0	221.0	318.2	399.4	473.0	885.2	1381.6	1513.4	1603.2	1684.2
2.5°	153.2	201.7	256.4	362.7	443.8	516.3	996.7	1521.5	1634.5	1719.9	1784.5
0°	178.6	229.1	290.5	404.1	485.3	556.6	1092.4	1640.0	1741.9	1827.6	1905.2
-2.5°	192.8	251.3	316.1	419.9	490.0	559.1	1017.8	1599.6	1751.7	1866.0	1981.8
-5°	203.9	271.8	339.7	433.2	493.3	559.3	930.6	1529.9	1763.4	1905.5	2047.0
-7.5°	211.9	290.0	361.3	444.1	497.4	561.5	925.8	1554.6	1833.8	1962.6	2101.4
-10°	215.3	296.8	365.7	446.4	502.2	564.0	914.3	1543.1	1901.6	2022.0	2146.6
-12.5°	208.6	293.5	364.5	445.6	506.2	563.8	867.5	1491.5	1969.4	2087.1	2168.9
-15°	200.8	288.8	360.1	441.9	509.6	560.9	780.6	1397.2	1981.6	2057.1	2137.7
-17.5°	192.5	282.6	352.4	435.0	512.6	555.3	643.3	1159.2	1777.3	1958.6	2086.7
-20°	184.1	275.0	341.1	424.9	513.0	536.7	581.5	930.4	1451.2	1816.8	1985.7



REPORT NUMBER: P731403 (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°	176.1	266.2	328.3	411.2	479.0	508.7	541.4	718.1	1110.9	1634.4	1807.2
-25°	172.4	252.9	316.5	382.5	444.3	479.3	498.2	546.5	831.2	1290.1	1609.2
-27.5°	171.1	241.2	298.9	355.0	414.3	447.6	462.3	498.0	652.3	958.3	1389.2
-30°	167.6	223.6	280.3	329.9	384.5	416.8	428.7	460.2	513.0	734.7	1047.3
-32.5°	157.5	205.2	259.8	308.5	355.9	393.2	409.2	437.8	475.8	543.5	767.8
-35°	145.0	189.6	238.5	286.3	329.9	370.6	398.9	419.5	445.3	479.5	589.6
-37.5°	133.9	173.2	217.0	263.2	305.2	347.0	387.1	406.0	426.2	452.3	498.5
-40°	121.7	156.2	197.5	239.7	280.8	321.5	360.5	394.4	410.5	437.5	469.1
-42.5°	108.7	141.7	178.3	216.2	255.4	293.8	332.4	368.5	403.3	424.6	449.9
-45°	95.5	126.2	158.9	194.4	229.4	265.4	301.4	338.7	381.6	418.8	437.3
-47.5°	81.5	109.9	140.7	172.1	204.5	237.0	269.8	309.9	352.8	393.1	432.1
-50°	67.5	93.7	122.0	151.5	180.4	209.5	239.4	281.2	322.7	362.0	399.3
-52.5°	55.0	76.6	103.5	131.4	157.9	183.8	214.5	252.6	292.3	331.1	366.5
-55°	42.0	61.6	84.0	110.3	136.7	160.3	189.9	224.7	260.5	297.8	332.7
-57.5°	32.3	46.8	66.0	87.6	112.8	139.0	167.7	196.7	229.3	263.1	293.9
-60°	24.5	34.5	48.7	67.0	86.8	112.7	143.8	172.5	199.9	226.9	255.7
-62.5°	17.6	25.5	35.0	47.2	64.2	84.3	110.6	140.2	171.9	195.3	218.0
-65°	15.8	18.2	24.7	33.4	42.4	59.0	78.8	101.0	127.7	151.5	175.8
-67.5°	14.0	16.2	18.3	21.7	29.7	38.6	47.9	65.5	85.0	101.5	118.7
-70°	12.7	14.2	16.2	18.1	20.2	24.1	32.0	40.2	48.2	57.4	71.3
-72.5°	11.5	12.7	14.1	15.7	17.6	19.6	21.8	24.1	28.8	34.8	40.5
-75°	10.2	11.1	12.2	13.4	14.8	16.4	18.1	20.0	21.7	23.1	24.7
-77.5°	8.9	9.6	10.3	11.1	12.0	13.1	14.4	15.8	17.0	18.1	19.2
-80°	7.8	8.1	8.6	9.1	9.8	10.5	11.2	11.9	12.6	13.4	14.3
-82.5°	6.9	7.0	7.1	7.3	7.8	8.3	8.8	9.4	9.8	10.2	10.6
-85°	6.0	5.9	5.8	5.8	6.2	6.6	7.0	7.4	7.6	7.7	7.9
-87.5°	5.7	5.6	5.5	5.4	5.5	5.7	5.9	6.0	6.1	6.1	6.1
-90°	3.6	3.6	3.6	3.6	3.4	3.2	2.9	2.7	2.7	2.7	2.7



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.4	5.6	5.9	6.1	6.3	6.7	7.2	7.6	8.1	11.5	14.8
87.5°	2.7	2.5	2.3	2.0	1.8	1.6	1.4	1.1	0.9	0.9	0.9
85°	2.7	2.5	2.3	2.0	1.8	1.6	1.4	1.1	0.9	0.9	0.9
82.5°	2.7	2.5	2.3	2.0	1.8	1.6	1.4	1.1	0.9	0.9	0.9
80°	2.7	2.5	2.3	2.1	1.8	1.7	1.7	1.7	1.7	1.5	1.3
77.5°	2.8	2.7	2.6	2.5	2.3	2.2	2.1	2.0	1.8	1.6	1.4
75°	3.5	3.5	3.4	3.2	2.8	2.5	2.3	2.1	1.8	1.8	1.8
72.5°	4.9	4.9	4.6	4.4	4.0	3.7	3.6	3.5	3.3	3.3	3.4
70°	9.2	9.4	9.0	8.1	6.9	6.1	5.7	5.2	4.5	4.4	4.7
67.5°	14.5	13.3	12.3	11.1	9.4	8.1	7.4	6.7	6.1	5.9	6.1
65°	18.3	14.5	12.4	10.9	9.8	8.7	7.8	7.0	6.1	5.6	5.5
62.5°	18.4	13.1	10.6	9.4	8.5	7.8	6.7	5.6	4.7	4.2	4.2
60°	15.8	10.8	8.0	6.9	6.1	5.4	4.9	4.3	3.9	3.6	3.7
57.5°	12.0	7.8	5.4	5.3	5.0	4.7	4.4	4.3	4.0	3.6	3.8
55°	8.4	6.5	5.4	5.5	5.6	5.5	5.2	4.8	4.4	4.2	4.3
52.5°	6.7	6.5	6.8	6.9	6.4	5.9	5.4	5.3	5.4	5.6	5.8
50°	7.1	7.4	7.5	7.1	6.8	6.5	6.3	6.5	6.9	7.3	7.6
47.5°	8.2	8.6	8.9	8.0	8.1	8.6	8.3	8.4	10.1	11.4	12.3
45°	10.8	12.1	12.3	12.5	12.4	13.6	14.3	14.9	18.4	19.7	19.7
42.5°	16.6	18.6	19.9	21.2	20.3	23.9	29.1	32.7	31.8	30.5	31.0
40°	25.1	28.8	34.0	36.9	40.0	44.1	45.6	39.5	38.6	43.5	43.9
37.5°	38.2	48.1	59.2	67.7	69.1	67.3	65.2	64.2	65.6	68.8	73.7
35°	62.8	86.2	96.5	101.8	105.1	95.1	91.4	95.0	91.9	101.0	104.1
32.5°	111.4	141.5	150.3	154.3	162.5	152.5	130.4	156.5	146.6	145.2	155.3
30°	176.6	218.7	254.9	257.5	251.7	250.1	262.8	266.2	254.4	254.4	294.0
27.5°	338.2	347.8	411.8	440.7	368.3	373.8	408.4	390.0	432.9	474.3	507.0
25°	535.6	543.5	655.4	638.3	561.6	583.4	603.7	599.6	649.3	699.2	755.7
22.5°	717.0	749.4	841.3	817.6	783.4	792.8	811.4	848.2	915.1	1016.2	1279.9
20°	861.7	882.8	927.4	947.8	949.7	968.2	1027.5	1128.9	1337.1	2020.0	2844.4
17.5°	1001.1	968.5	1022.2	1057.4	1095.3	1163.2	1300.9	1716.5	2720.4	4790.2	6818.5
15°	1203.8	1183.7	1152.1	1200.2	1305.7	1444.4	1766.1	3285.3	6695.9	10577.0	14612.0
12.5°	1424.5	1397.9	1354.3	1394.9	1555.1	1802.4	3314.1	7164.1	12616.0	19573.9	33127.1
10°	1600.4	1588.6	1561.4	1647.5	1856.6	2601.6	5279.3	11337.2	19443.9	35584.3	55314.5
7.5°	1708.2	1702.7	1725.9	1866.8	2151.7	3799.4	8630.2	17065.4	31310.7	53718.0	86839.3
5°	1825.8	1817.4	1854.7	2025.7	2362.7	4567.3	11247.6	22211.3	43425.9	74427.1	122526.4
2.5°	1952.1	1932.7	1971.1	2166.0	2527.9	4737.6	11835.2	23752.4	50617.7	90390.8	154834.1
0°	2079.3	2039.6	2060.3	2255.2	2651.2	5296.0	13052.9	25974.1	55701.8	99626.6	168166.2
-2.5°	2089.7	2022.3	2043.0	2223.1	2602.3	4559.9	11332.7	23926.9	52940.3	92697.0	154001.4
-5°	2107.2	2019.5	2013.7	2171.5	2532.6	4160.1	9614.6	21883.0	46773.3	81572.3	134695.5
-7.5°	2139.9	2036.2	1986.3	2103.0	2422.0	3616.4	7844.1	18216.9	37839.4	66531.0	105026.9
-10°	2193.5	2082.1	2000.5	2051.7	2282.4	2949.4	5190.0	13240.5	28642.7	50160.8	76254.3
-12.5°	2259.7	2208.2	2085.7	2014.8	2141.5	2502.9	4079.5	9892.4	20124.0	31734.6	50770.0
-15°	2290.4	2309.8	2221.3	2080.3	2088.6	2312.2	2853.2	5416.4	12632.2	21068.2	30458.6
-17.5°	2248.6	2340.7	2238.4	2076.5	2011.0	2143.5	2396.5	3336.3	5837.3	11255.9	16763.3
-20°	2126.8	2156.9	2136.0	2038.9	1970.1	1977.3	2102.6	2346.3	2834.2	4608.0	6557.3



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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°	1901.2	1920.6	1915.1	1987.0	1909.8	1875.1	1902.4	1997.0	2148.4	2378.5	3023.6
-25°	1708.9	1700.7	1745.2	1865.4	1884.4	1800.6	1778.7	1785.6	1871.7	1973.8	2115.2
-27.5°	1525.4	1580.9	1678.7	1800.8	1853.8	1797.3	1726.5	1680.1	1721.6	1753.8	1817.3
-30°	1371.9	1515.4	1617.8	1729.0	1808.8	1799.9	1730.8	1708.1	1688.5	1665.8	1681.9
-32.5°	1127.5	1436.3	1541.9	1632.8	1729.5	1768.6	1768.1	1758.5	1767.4	1748.8	1707.4
-35°	876.3	1209.0	1483.5	1534.0	1596.5	1688.8	1759.6	1770.8	1781.4	1781.0	1771.0
-37.5°	628.7	937.9	1216.1	1420.7	1494.1	1561.8	1693.7	1764.2	1787.2	1823.7	1837.1
-40°	515.6	608.3	886.4	1136.6	1305.3	1510.3	1647.4	1774.9	1906.1	1982.9	2026.3
-42.5°	481.6	520.2	561.0	753.4	993.9	1218.9	1433.9	1676.8	1863.2	2008.0	2152.3
-45°	457.2	482.0	509.1	546.9	584.7	775.3	994.3	1214.1	1420.4	1628.3	1827.9
-47.5°	447.5	456.6	475.5	497.1	522.3	555.6	587.2	636.1	806.4	975.0	1155.9
-50°	432.0	454.7	462.8	470.7	491.1	510.6	525.7	546.4	567.0	579.9	597.0
-52.5°	399.2	428.5	453.6	476.5	489.7	501.0	511.1	528.0	543.9	557.7	567.3
-55°	365.3	395.5	424.4	452.6	479.1	504.4	526.4	538.6	550.9	563.2	568.3
-57.5°	325.4	357.3	388.5	417.9	446.7	474.8	499.8	522.3	543.9	563.9	576.4
-60°	283.7	310.9	342.4	375.0	405.2	432.9	460.5	486.6	510.6	531.1	544.0
-62.5°	243.1	269.0	294.9	324.4	357.0	388.5	413.4	438.7	464.1	486.5	502.7
-65°	199.1	220.8	241.5	263.7	287.1	312.3	338.6	364.5	389.8	411.0	427.0
-67.5°	139.0	159.8	179.0	198.0	215.5	233.2	252.1	271.3	290.5	307.3	321.5
-70°	84.8	97.4	108.5	120.7	135.1	150.0	164.9	178.6	191.1	201.4	209.7
-72.5°	45.9	50.7	56.1	65.1	73.3	82.2	91.3	99.7	107.5	114.6	121.0
-75°	26.2	28.4	32.2	35.7	38.7	42.5	46.6	50.5	54.2	57.9	61.3
-77.5°	20.4	21.5	22.5	23.5	24.5	25.9	27.5	29.0	30.6	33.3	36.2
-80°	15.2	15.9	16.6	17.3	18.0	18.9	19.8	20.7	21.6	22.8	23.9
-82.5°	11.0	11.4	11.7	12.0	12.2	12.8	13.5	14.1	14.7	16.0	17.3
-85°	8.0	8.2	8.3	8.4	8.5	8.8	9.1	9.4	9.7	10.9	12.1
-87.5°	6.1	6.2	6.2	6.3	6.3	6.5	6.8	7.0	7.2	8.4	9.5
-90°	2.7	2.5	2.3	2.0	1.8	1.6	1.4	1.1	0.9	0.7	0.5



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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°	18.2	21.6	24.8	28.0	24.8	21.6	18.2	14.8	11.5	8.1	7.6
87.5°	0.9	0.9	0.4	0.0	0.4	0.9	0.9	0.9	0.9	0.9	1.1
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
80°	1.1	0.9	0.9	0.9	0.9	0.9	1.1	1.3	1.5	1.7	1.7
77.5°	1.1	0.9	0.9	0.9	0.9	0.9	1.1	1.4	1.6	1.8	2.0
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.1
72.5°	3.5	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.3	3.3	3.5
70°	5.0	5.3	5.8	6.3	5.8	5.3	5.0	4.7	4.4	4.5	5.2
67.5°	6.2	6.3	5.5	4.5	5.5	6.3	6.2	6.1	5.9	6.1	6.7
65°	5.5	5.4	5.0	4.5	5.0	5.4	5.5	5.5	5.6	6.1	7.0
62.5°	4.3	4.5	4.5	4.5	4.5	4.5	4.3	4.2	4.2	4.7	5.6
60°	3.7	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.6	3.9	4.3
57.5°	4.1	4.4	4.5	4.5	4.5	4.4	4.1	3.8	3.6	4.0	4.3
55°	4.4	4.5	4.8	5.4	4.8	4.5	4.4	4.3	4.2	4.4	4.8
52.5°	6.0	6.2	6.3	6.3	6.3	6.2	6.0	5.8	5.6	5.4	5.3
50°	7.8	8.0	8.1	8.1	8.1	8.0	7.8	7.6	7.3	6.9	6.5
47.5°	12.9	13.2	13.7	14.4	13.7	13.2	12.9	12.3	11.4	10.1	8.4
45°	20.6	21.1	22.0	23.5	22.0	21.1	20.6	19.7	19.7	18.4	14.9
42.5°	32.6	33.5	34.5	36.1	34.5	33.5	32.6	31.0	30.5	31.8	32.7
40°	44.9	45.5	46.1	47.8	46.1	45.5	44.9	43.9	43.5	38.6	39.5
37.5°	75.9	72.7	69.4	76.7	69.4	72.7	75.9	73.7	68.8	65.6	64.2
35°	103.6	105.5	108.5	113.7	108.5	105.5	103.6	104.1	101.0	91.9	95.0
32.5°	157.1	165.6	169.5	175.0	169.5	165.6	157.1	155.3	145.2	146.6	156.5
30°	312.6	312.0	286.9	291.4	286.9	312.0	312.6	294.0	254.4	254.4	266.2
27.5°	517.4	523.7	520.9	534.0	520.9	523.7	517.4	507.0	474.3	432.9	390.0
25°	805.5	832.4	827.1	853.4	827.1	832.4	805.5	755.7	699.2	649.3	599.6
22.5°	1604.0	1728.2	1726.2	1891.6	1726.2	1728.2	1604.0	1279.9	1016.2	915.1	848.2
20°	4284.2	5131.7	4782.5	4846.8	4782.5	5131.7	4284.2	2844.4	2020.0	1337.1	1128.9
17.5°	9879.6	12751.4	13998.6	15557.1	13998.6	12751.4	9879.6	6818.5	4790.2	2720.4	1716.5
15°	22553.2	30204.6	34031.8	30125.5	34031.8	30204.6	22553.2	14612.0	10577.0	6695.9	3285.3
12.5°	47219.8	60654.0	69940.3	62813.7	69940.3	60654.0	47219.8	33127.1	19573.9	12616.0	7164.1
10°	81576.2	106321.9	126772.9	120032.7	126772.9	106321.9	81576.2	55314.5	35584.3	19443.9	11337.2
7.5°	125409.8	165385.6	190336.2	190151.4	190336.2	165385.6	125409.8	86839.3	53718.0	31310.7	17065.4
5°	180426.6	231572.7	263342.5	267173.5	263342.5	231572.7	180426.6	122526.4	74427.1	43425.9	22211.3
2.5°	221162.5	276615.1	319994.9	335641.4	319994.9	276615.1	221162.5	154834.1	90390.8	50617.7	23752.4
0°	237794.5	294962.6	341333.4	367188.5	341333.4	294962.6	237794.5	168166.2	99626.6	55701.8	25974.1
-2.5°	224726.0	277526.7	315772.7	331791.3	315772.7	277526.7	224726.0	154001.4	92697.0	52940.3	23926.9
-5°	196216.1	245942.3	275445.6	285923.0	275445.6	245942.3	196216.1	134695.5	81572.3	46773.3	21883.0
-7.5°	153550.0	195175.5	220644.3	229843.2	220644.3	195175.5	153550.0	105026.9	66531.0	37839.4	18216.9
-10°	106333.9	137275.0	159386.8	166245.7	159386.8	137275.0	106333.9	76254.3	50160.8	28642.7	13240.5
-12.5°	68516.6	86874.2	99124.7	103586.7	99124.7	86874.2	68516.6	50770.0	31734.6	20124.0	9892.4
-15°	41682.4	51903.9	57836.8	59836.0	57836.8	51903.9	41682.4	30458.6	21068.2	12632.2	5416.4
-17.5°	22966.8	27899.9	29713.5	30989.6	29713.5	27899.9	22966.8	16763.3	11255.9	5837.3	3336.3
-20°	10289.1	12430.8	13481.8	14020.8	13481.8	12430.8	10289.1	6557.3	4608.0	2834.2	2346.3



REPORT NUMBER: P731403 (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°	3967.2	4592.7	4874.3	5105.7	4874.3	4592.7	3967.2	3023.6	2378.5	2148.4	1997.0
-25°	2238.2	2325.0	2364.5	2390.5	2364.5	2325.0	2238.2	2115.2	1973.8	1871.7	1785.6
-27.5°	1862.5	1912.7	1947.0	1941.2	1947.0	1912.7	1862.5	1817.3	1753.8	1721.6	1680.1
-30°	1683.1	1698.5	1711.5	1701.3	1711.5	1698.5	1683.1	1681.9	1665.8	1688.5	1708.1
-32.5°	1678.2	1662.3	1653.2	1650.8	1653.2	1662.3	1678.2	1707.4	1748.8	1767.4	1758.5
-35°	1759.7	1752.5	1748.0	1750.9	1748.0	1752.5	1759.7	1771.0	1781.0	1781.4	1770.8
-37.5°	1838.7	1828.2	1812.2	1799.6	1812.2	1828.2	1838.7	1837.1	1823.7	1787.2	1764.2
-40°	2034.6	2072.5	2120.6	2146.9	2120.6	2072.5	2034.6	2026.3	1982.9	1906.1	1774.9
-42.5°	2195.2	2222.8	2235.2	2234.4	2235.2	2222.8	2195.2	2152.3	2008.0	1863.2	1676.8
-45°	1979.3	2089.9	2149.8	2161.4	2149.8	2089.9	1979.3	1827.9	1628.3	1420.4	1214.1
-47.5°	1350.7	1530.5	1636.0	1649.9	1636.0	1530.5	1350.7	1155.9	975.0	806.4	636.1
-50°	620.4	644.4	653.3	646.8	653.3	644.4	620.4	597.0	579.9	567.0	546.4
-52.5°	576.4	585.7	590.5	591.8	590.5	585.7	576.4	567.3	557.7	543.9	528.0
-55°	573.1	578.2	581.6	584.5	581.6	578.2	573.1	568.3	563.2	550.9	538.6
-57.5°	588.1	599.0	604.1	606.2	604.1	599.0	588.1	576.4	563.9	543.9	522.3
-60°	555.6	566.2	570.1	571.0	570.1	566.2	555.6	544.0	531.1	510.6	486.6
-62.5°	517.8	531.8	537.0	538.5	537.0	531.8	517.8	502.7	486.5	464.1	438.7
-65°	440.9	452.7	453.5	450.1	453.5	452.7	440.9	427.0	411.0	389.8	364.5
-67.5°	334.3	345.5	346.1	342.8	346.1	345.5	334.3	321.5	307.3	290.5	271.3
-70°	216.4	221.5	222.6	221.9	222.6	221.5	216.4	209.7	201.4	191.1	178.6
-72.5°	126.6	131.5	130.5	128.1	130.5	131.5	126.6	121.0	114.6	107.5	99.7
-75°	64.3	67.0	68.0	68.6	68.0	67.0	64.3	61.3	57.9	54.2	50.5
-77.5°	39.1	42.0	42.8	43.3	42.8	42.0	39.1	36.2	33.3	30.6	29.0
-80°	25.0	26.1	26.2	26.2	26.2	26.1	25.0	23.9	22.8	21.6	20.7
-82.5°	18.5	19.7	20.2	20.7	20.2	19.7	18.5	17.3	16.0	14.7	14.1
-85°	13.2	14.4	14.8	15.3	14.8	14.4	13.2	12.1	10.9	9.7	9.4
-87.5°	10.6	11.7	12.2	12.6	12.2	11.7	10.6	9.5	8.4	7.2	7.0
-90°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.9	1.1



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.2	6.7	6.3	6.1	5.9	5.6	5.4	5.4	5.4	5.4	5.4
87.5°	1.4	1.6	1.8	2.0	2.3	2.5	2.7	2.7	2.7	2.7	2.7
85°	1.4	1.6	1.8	2.0	2.3	2.5	2.7	2.7	2.7	2.7	2.7
82.5°	1.4	1.6	1.8	2.0	2.3	2.5	2.7	2.8	2.8	2.8	2.8
80°	1.7	1.7	1.8	2.1	2.3	2.5	2.7	3.0	3.2	3.4	3.4
77.5°	2.1	2.2	2.3	2.5	2.6	2.7	2.8	3.0	3.2	3.4	3.6
75°	2.3	2.5	2.8	3.2	3.4	3.5	3.5	3.4	3.4	3.5	3.7
72.5°	3.6	3.7	4.0	4.4	4.6	4.9	4.9	4.7	4.4	3.9	3.7
70°	5.7	6.1	6.9	8.1	9.0	9.4	9.2	8.3	6.8	5.8	5.1
67.5°	7.4	8.1	9.4	11.1	12.3	13.3	14.5	15.1	14.4	12.7	8.8
65°	7.8	8.7	9.8	10.9	12.4	14.5	18.3	20.4	21.0	20.1	15.3
62.5°	6.7	7.8	8.5	9.4	10.6	13.1	18.4	22.5	25.8	25.6	19.9
60°	4.9	5.4	6.1	6.9	8.0	10.8	15.8	21.6	28.2	26.3	22.1
57.5°	4.4	4.7	5.0	5.3	5.4	7.8	12.0	17.4	23.7	23.4	21.4
55°	5.2	5.5	5.6	5.5	5.4	6.5	8.4	12.0	16.8	17.8	17.1
52.5°	5.4	5.9	6.4	6.9	6.8	6.5	6.7	8.9	10.8	12.7	13.1
50°	6.3	6.5	6.8	7.1	7.5	7.4	7.1	7.2	8.5	9.8	10.2
47.5°	8.3	8.6	8.1	8.0	8.9	8.6	8.2	8.1	9.1	8.9	9.4
45°	14.3	13.6	12.4	12.5	12.3	12.1	10.8	11.4	11.7	11.4	9.8
42.5°	29.1	23.9	20.3	21.2	19.9	18.6	16.6	16.3	15.9	15.2	14.3
40°	45.6	44.1	40.0	36.9	34.0	28.8	25.1	22.4	21.4	20.0	19.9
37.5°	65.2	67.3	69.1	67.7	59.2	48.1	38.2	30.7	27.5	28.6	27.1
35°	91.4	95.1	105.1	101.8	96.5	86.2	62.8	45.1	39.5	42.4	37.3
32.5°	130.4	152.5	162.5	154.3	150.3	141.5	111.4	73.4	70.7	65.9	55.1
30°	262.8	250.1	251.7	257.5	254.9	218.7	176.6	183.0	146.6	99.1	79.2
27.5°	408.4	373.8	368.3	440.7	411.8	347.8	338.2	370.4	268.2	177.9	116.7
25°	603.7	583.4	561.6	638.3	655.4	543.5	535.6	564.6	490.5	288.2	164.5
22.5°	811.4	792.8	783.4	817.6	841.3	749.4	717.0	754.2	734.2	423.3	252.5
20°	1027.5	968.2	949.7	947.8	927.4	882.8	861.7	888.2	800.1	573.6	343.8
17.5°	1300.9	1163.2	1095.3	1057.4	1022.2	968.5	1001.1	989.2	885.3	690.6	430.6
15°	1766.1	1444.4	1305.7	1200.2	1152.1	1183.7	1203.8	1135.4	985.9	771.7	547.9
12.5°	3314.1	1802.4	1555.1	1394.9	1354.3	1397.9	1424.5	1318.6	1121.2	949.0	741.7
10°	5279.3	2601.6	1856.6	1647.5	1561.4	1588.6	1600.4	1479.6	1306.7	1154.8	950.5
7.5°	8630.2	3799.4	2151.7	1866.8	1725.9	1702.7	1708.2	1595.8	1465.5	1341.7	1166.7
5°	11247.6	4567.3	2362.7	2025.7	1854.7	1817.4	1825.8	1684.2	1603.2	1513.4	1381.6
2.5°	11835.2	4737.6	2527.9	2166.0	1971.1	1932.7	1952.1	1784.5	1719.9	1634.5	1521.5
0°	13052.9	5296.0	2651.2	2255.2	2060.3	2039.6	2079.3	1905.2	1827.6	1741.9	1640.0
-2.5°	11332.7	4559.9	2602.3	2223.1	2043.0	2022.3	2089.7	1981.8	1866.0	1751.7	1599.6
-5°	9614.6	4160.1	2532.6	2171.5	2013.7	2019.5	2107.2	2047.0	1905.5	1763.4	1529.9
-7.5°	7844.1	3616.4	2422.0	2103.0	1986.3	2036.2	2139.9	2101.4	1962.6	1833.8	1554.6
-10°	5190.0	2949.4	2282.4	2051.7	2000.5	2082.1	2193.5	2146.6	2022.0	1901.6	1543.1
-12.5°	4079.5	2502.9	2141.5	2014.8	2085.7	2208.2	2259.7	2168.9	2087.1	1969.4	1491.5
-15°	2853.2	2312.2	2088.6	2080.3	2221.3	2309.8	2290.4	2137.7	2057.1	1981.6	1397.2
-17.5°	2396.5	2143.5	2011.0	2076.5	2238.4	2340.7	2248.6	2086.7	1958.6	1777.3	1159.2
-20°	2102.6	1977.3	1970.1	2038.9	2136.0	2156.9	2126.8	1985.7	1816.8	1451.2	930.4



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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°	1902.4	1875.1	1909.8	1987.0	1915.1	1920.6	1901.2	1807.2	1634.4	1110.9	718.1
-25°	1778.7	1800.6	1884.4	1865.4	1745.2	1700.7	1708.9	1609.2	1290.1	831.2	546.5
-27.5°	1726.5	1797.3	1853.8	1800.8	1678.7	1580.9	1525.4	1389.2	958.3	652.3	498.0
-30°	1730.8	1799.9	1808.8	1729.0	1617.8	1515.4	1371.9	1047.3	734.7	513.0	460.2
-32.5°	1768.1	1768.6	1729.5	1632.8	1541.9	1436.3	1127.5	767.8	543.5	475.8	437.8
-35°	1759.6	1688.8	1596.5	1534.0	1483.5	1209.0	876.3	589.6	479.5	445.3	419.5
-37.5°	1693.7	1561.8	1494.1	1420.7	1216.1	937.9	628.7	498.5	452.3	426.2	406.0
-40°	1647.4	1510.3	1305.3	1136.6	886.4	608.3	515.6	469.1	437.5	410.5	394.4
-42.5°	1433.9	1218.9	993.9	753.4	561.0	520.2	481.6	449.9	424.6	403.3	368.5
-45°	994.3	775.3	584.7	546.9	509.1	482.0	457.2	437.3	418.8	381.6	338.7
-47.5°	587.2	555.6	522.3	497.1	475.5	456.6	447.5	432.1	393.1	352.8	309.9
-50°	525.7	510.6	491.1	470.7	462.8	454.7	432.0	399.3	362.0	322.7	281.2
-52.5°	511.1	501.0	489.7	476.5	453.6	428.5	399.2	366.5	331.1	292.3	252.6
-55°	526.4	504.4	479.1	452.6	424.4	395.5	365.3	332.7	297.8	260.5	224.7
-57.5°	499.8	474.8	446.7	417.9	388.5	357.3	325.4	293.9	263.1	229.3	196.7
-60°	460.5	432.9	405.2	375.0	342.4	310.9	283.7	255.7	226.9	199.9	172.5
-62.5°	413.4	388.5	357.0	324.4	294.9	269.0	243.1	218.0	195.3	171.9	140.2
-65°	338.6	312.3	287.1	263.7	241.5	220.8	199.1	175.8	151.5	127.7	101.0
-67.5°	252.1	233.2	215.5	198.0	179.0	159.8	139.0	118.7	101.5	85.0	65.5
-70°	164.9	150.0	135.1	120.7	108.5	97.4	84.8	71.3	57.4	48.2	40.2
-72.5°	91.3	82.2	73.3	65.1	56.1	50.7	45.9	40.5	34.8	28.8	24.1
-75°	46.6	42.5	38.7	35.7	32.2	28.4	26.2	24.7	23.1	21.7	20.0
-77.5°	27.5	25.9	24.5	23.5	22.5	21.5	20.4	19.2	18.1	17.0	15.8
-80°	19.8	18.9	18.0	17.3	16.6	15.9	15.2	14.3	13.4	12.6	11.9
-82.5°	13.5	12.8	12.2	12.0	11.7	11.4	11.0	10.6	10.2	9.8	9.4
-85°	9.1	8.8	8.5	8.4	8.3	8.2	8.0	7.9	7.7	7.6	7.4
-87.5°	6.8	6.5	6.3	6.3	6.2	6.2	6.1	6.1	6.1	6.1	6.0
-90°	1.4	1.6	1.8	2.0	2.3	2.5	2.7	2.7	2.7	2.7	2.7



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.2	5.0	4.7
87.5°	2.9	3.2	3.4	3.6	3.6	3.6	3.6	3.6	3.8	4.1	4.3
85°	2.9	3.2	3.4	3.6	3.6	3.6	3.6	3.6	3.8	4.1	4.3
82.5°	3.0	3.2	3.4	3.6	3.7	3.8	3.9	3.9	3.9	4.1	4.3
80°	3.4	3.4	3.5	3.6	3.9	4.1	4.2	4.2	4.2	4.2	4.3
77.5°	3.7	3.7	3.6	3.7	3.9	4.1	4.3	4.5	4.4	4.4	4.4
75°	3.9	4.0	4.1	4.0	4.0	4.1	4.3	4.5	4.5	4.5	4.5
72.5°	3.9	4.2	4.4	4.5	4.3	4.3	4.4	4.5	4.5	4.5	4.5
70°	4.5	4.3	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
67.5°	5.4	4.8	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.5	4.5
65°	10.7	7.0	4.5	4.5	4.5	4.5	4.5	4.7	4.8	4.7	4.5
62.5°	15.0	10.6	7.3	5.2	4.5	4.5	4.5	4.7	4.9	4.9	4.7
60°	18.1	13.2	9.9	7.4	5.4	4.5	4.6	4.8	5.0	5.1	4.9
57.5°	17.5	14.6	12.1	9.4	7.0	5.2	4.6	4.8	5.0	5.2	5.2
55°	15.4	13.2	13.4	11.3	8.6	6.4	5.0	4.9	5.1	5.3	5.4
52.5°	12.0	12.4	13.4	12.6	10.1	7.5	5.9	4.9	5.1	5.3	5.4
50°	9.7	11.5	13.4	13.6	11.5	8.8	6.7	5.5	5.2	5.3	5.4
47.5°	9.9	11.5	12.9	14.5	13.1	9.9	7.6	6.1	5.2	5.4	5.4
45°	11.5	12.7	13.2	14.3	14.6	11.1	8.5	6.5	5.6	5.4	5.4
42.5°	13.6	14.7	15.0	14.3	14.5	12.1	9.2	7.1	5.9	5.5	5.4
40°	18.7	17.2	17.3	16.9	14.8	12.8	9.8	7.6	6.1	5.6	5.5
37.5°	24.5	21.6	19.9	21.6	16.6	13.5	10.3	8.0	6.5	5.9	5.6
35°	32.2	27.6	26.2	27.7	22.5	14.7	10.5	8.3	7.2	6.1	5.7
32.5°	40.9	40.1	39.8	34.7	30.0	16.4	11.4	9.3	7.9	6.4	5.8
30°	61.6	62.2	58.9	42.8	38.4	23.3	13.4	10.5	8.8	6.6	6.0
27.5°	96.6	88.2	82.3	59.6	46.1	31.7	16.2	11.9	9.8	7.0	6.2
25°	134.1	119.6	107.6	82.2	54.6	42.6	18.9	13.4	10.9	7.8	6.4
22.5°	178.2	152.0	135.5	108.1	68.3	54.9	24.8	15.8	12.1	8.5	6.5
20°	222.2	184.1	166.0	132.5	88.3	66.2	34.2	18.0	13.3	9.3	6.7
17.5°	271.6	224.7	198.9	157.2	110.2	78.9	44.1	20.2	14.7	10.1	6.9
15°	369.3	275.6	235.0	184.4	130.4	92.4	54.3	22.3	16.0	10.9	7.1
12.5°	487.4	326.4	273.6	213.5	149.0	106.6	64.5	24.3	17.4	11.8	7.4
10°	617.4	376.7	313.9	243.5	165.9	121.1	74.5	27.1	19.0	12.6	7.7
7.5°	753.1	425.9	354.8	273.5	184.7	143.3	98.8	32.2	20.7	13.4	8.1
5°	885.2	473.0	399.4	318.2	221.0	173.0	126.1	37.5	22.3	14.1	8.4
2.5°	996.7	516.3	443.8	362.7	256.4	201.7	153.2	42.8	23.9	14.8	8.7
0°	1092.4	556.6	485.3	404.1	290.5	229.1	178.6	47.8	25.3	15.3	9.0
-2.5°	1017.8	559.1	490.0	419.9	316.1	251.3	192.8	60.6	32.8	19.3	10.8
-5°	930.6	559.3	493.3	433.2	339.7	271.8	203.9	72.5	40.0	23.2	12.6
-7.5°	925.8	561.5	497.4	444.1	361.3	290.0	211.9	83.5	46.6	26.7	14.2
-10°	914.3	564.0	502.2	446.4	365.7	296.8	215.3	93.1	52.5	29.9	15.6
-12.5°	867.5	563.8	506.2	445.6	364.5	293.5	208.6	100.6	57.7	32.5	16.7
-15°	780.6	560.9	509.6	441.9	360.1	288.8	200.8	106.4	63.2	35.4	17.6
-17.5°	643.3	555.3	512.6	435.0	352.4	282.6	192.5	110.9	67.8	38.6	19.0
-20°	581.5	536.7	513.0	424.9	341.1	275.0	184.1	113.8	71.3	41.1	20.5



REPORT NUMBER: P731403 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-1S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	541.4	508.7	479.0	411.2	328.3	266.2	176.1	115.1	73.8	42.7	21.4
-25°	498.2	479.3	444.3	382.5	316.5	252.9	172.4	114.8	75.1	43.3	21.8
-27.5°	462.3	447.6	414.3	355.0	298.9	241.2	171.1	115.8	75.4	43.0	21.5
-30°	428.7	416.8	384.5	329.9	280.3	223.6	167.6	115.3	74.9	42.3	20.5
-32.5°	409.2	393.2	355.9	308.5	259.8	205.2	157.5	113.2	72.9	41.2	20.0
-35°	398.9	370.6	329.9	286.3	238.5	189.6	145.0	109.5	69.6	39.0	19.3
-37.5°	387.1	347.0	305.2	263.2	217.0	173.2	133.9	99.9	64.7	35.7	18.3
-40°	360.5	321.5	280.8	239.7	197.5	156.2	121.7	89.5	59.6	31.4	16.7
-42.5°	332.4	293.8	255.4	216.2	178.3	141.7	108.7	78.3	51.8	28.1	14.6
-45°	301.4	265.4	229.4	194.4	158.9	126.2	95.5	66.7	43.2	25.2	13.0
-47.5°	269.8	237.0	204.5	172.1	140.7	109.9	81.5	56.5	34.2	21.5	12.6
-50°	239.4	209.5	180.4	151.5	122.0	93.7	67.5	45.8	28.9	16.9	12.0
-52.5°	214.5	183.8	157.9	131.4	103.5	76.6	55.0	35.1	23.4	14.7	11.3
-55°	189.9	160.3	136.7	110.3	84.0	61.6	42.0	28.6	17.7	13.6	10.5
-57.5°	167.7	139.0	112.8	87.6	66.0	46.8	32.3	21.9	15.3	12.4	10.0
-60°	143.8	112.7	86.8	67.0	48.7	34.5	24.5	16.6	13.9	11.3	9.4
-62.5°	110.6	84.3	64.2	47.2	35.0	25.5	17.6	15.1	12.5	10.6	8.8
-65°	78.8	59.0	42.4	33.4	24.7	18.2	15.8	13.5	11.6	9.9	8.2
-67.5°	47.9	38.6	29.7	21.7	18.3	16.2	14.0	12.3	10.7	9.1	7.8
-70°	32.0	24.1	20.2	18.1	16.2	14.2	12.7	11.3	9.8	8.5	7.3
-72.5°	21.8	19.6	17.6	15.7	14.1	12.7	11.5	10.3	9.0	7.8	6.8
-75°	18.1	16.4	14.8	13.4	12.2	11.1	10.2	9.3	8.2	7.2	6.4
-77.5°	14.4	13.1	12.0	11.1	10.3	9.6	8.9	8.3	7.4	6.7	6.1
-80°	11.2	10.5	9.8	9.1	8.6	8.1	7.8	7.5	6.9	6.3	5.8
-82.5°	8.8	8.3	7.8	7.3	7.1	7.0	6.9	6.8	6.3	5.9	5.5
-85°	7.0	6.6	6.2	5.8	5.8	5.9	6.0	6.2	5.9	5.6	5.3
-87.5°	5.9	5.7	5.5	5.4	5.5	5.6	5.7	5.8	5.5	5.3	5.0
-90°	2.9	3.2	3.4	3.6	3.6	3.6	3.6	3.6	3.8	4.1	4.3



REPORT NUMBER: P731403 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
70°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
67.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
65°	4.6	4.5	4.5	4.5	4.5	4.5	4.5
62.5°	4.6	4.6	4.5	4.5	4.5	4.5	4.5
60°	4.7	4.7	4.5	4.5	4.5	4.5	4.5
57.5°	4.8	4.8	4.6	4.5	4.5	4.5	4.5
55°	5.0	4.9	4.7	4.5	4.5	4.5	4.5
52.5°	5.2	5.0	4.8	4.5	4.5	4.5	4.5
50°	5.3	5.1	4.9	4.5	4.5	4.5	4.5
47.5°	5.4	5.2	5.0	4.5	4.5	4.5	4.5
45°	5.4	5.2	5.1	4.6	4.5	4.5	4.5
42.5°	5.4	5.3	5.2	4.7	4.5	4.5	4.5
40°	5.4	5.3	5.3	4.8	4.5	4.5	4.5
37.5°	5.4	5.4	5.3	4.8	4.5	4.5	4.5
35°	5.4	5.4	5.3	4.9	4.5	4.5	4.5
32.5°	5.4	5.4	5.4	5.0	4.5	4.5	4.5
30°	5.5	5.4	5.4	5.0	4.5	4.5	4.5
27.5°	5.6	5.4	5.4	5.1	4.5	4.5	4.5
25°	5.7	5.4	5.4	5.1	4.5	4.5	4.5
22.5°	5.8	5.4	5.4	5.2	4.5	4.5	4.5
20°	6.0	5.5	5.4	5.2	4.5	4.5	4.5
17.5°	6.1	5.6	5.4	5.3	4.5	4.5	4.5
15°	6.3	5.7	5.4	5.3	4.5	4.5	4.5
12.5°	6.5	5.8	5.4	5.3	4.5	4.5	4.5
10°	6.6	5.9	5.4	5.4	4.5	4.5	4.5
7.5°	6.8	6.0	5.4	5.4	4.5	4.5	4.5
5°	6.9	6.1	5.4	5.4	4.5	4.5	4.5
2.5°	7.1	6.2	5.4	5.4	4.5	4.5	4.5
0°	7.2	6.3	5.4	5.4	4.5	4.5	4.5
-2.5°	7.7	6.4	5.5	5.4	4.5	4.5	4.5
-5°	8.1	6.5	5.6	5.4	4.6	4.5	4.5
-7.5°	8.5	6.6	5.6	5.4	4.6	4.5	4.5
-10°	8.9	6.6	5.7	5.4	4.7	4.5	4.5
-12.5°	9.2	6.7	5.8	5.4	4.7	4.5	4.5
-15°	9.4	6.7	5.8	5.3	4.7	4.5	4.5
-17.5°	9.6	6.8	5.8	5.3	4.7	4.5	4.5
-20°	9.9	6.8	5.9	5.3	4.8	4.5	4.5



REPORT NUMBER: P731403 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-70-1S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	10.5	6.8	5.9	5.3	4.8	4.5	4.5
-25°	10.8	7.0	5.9	5.3	4.8	4.5	4.5
-27.5°	10.9	7.2	5.9	5.3	4.8	4.5	4.5
-30°	10.7	7.3	5.8	5.3	4.8	4.5	4.5
-32.5°	10.1	7.4	5.9	5.3	4.8	4.5	4.5
-35°	10.0	7.5	5.9	5.3	4.8	4.5	4.5
-37.5°	10.0	7.4	5.9	5.4	4.8	4.5	4.5
-40°	10.0	7.4	5.9	5.4	4.8	4.5	4.5
-42.5°	9.8	7.4	5.9	5.4	4.8	4.5	4.5
-45°	9.5	7.3	5.9	5.4	4.8	4.5	4.5
-47.5°	9.2	7.2	5.9	5.5	4.7	4.5	4.5
-50°	8.9	7.0	5.9	5.4	4.7	4.5	4.5
-52.5°	8.6	6.8	5.9	5.3	4.7	4.5	4.5
-55°	8.3	6.7	5.9	5.2	4.6	4.5	4.5
-57.5°	7.9	6.6	5.8	5.2	4.6	4.5	4.5
-60°	7.5	6.4	5.7	5.1	4.5	4.5	4.5
-62.5°	7.3	6.3	5.6	5.0	4.5	4.5	4.5
-65°	7.0	6.1	5.5	4.9	4.5	4.5	4.5
-67.5°	6.6	5.9	5.4	4.8	4.5	4.5	4.5
-70°	6.3	5.7	5.2	4.7	4.5	4.5	4.5
-72.5°	6.0	5.6	5.1	4.7	4.5	4.5	4.5
-75°	5.8	5.4	4.9	4.7	4.5	4.5	4.5
-77.5°	5.6	5.2	4.9	4.6	4.5	4.5	4.5
-80°	5.4	5.1	4.8	4.6	4.5	4.5	4.5
-82.5°	5.2	4.9	4.7	4.6	4.5	4.5	4.5
-85°	5.0	4.8	4.7	4.6	4.5	4.5	4.5
-87.5°	4.7	4.6	4.6	4.5	4.5	4.5	4.5
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5

(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

