

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: P701340 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-80-1S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701340 (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: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-80-1S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

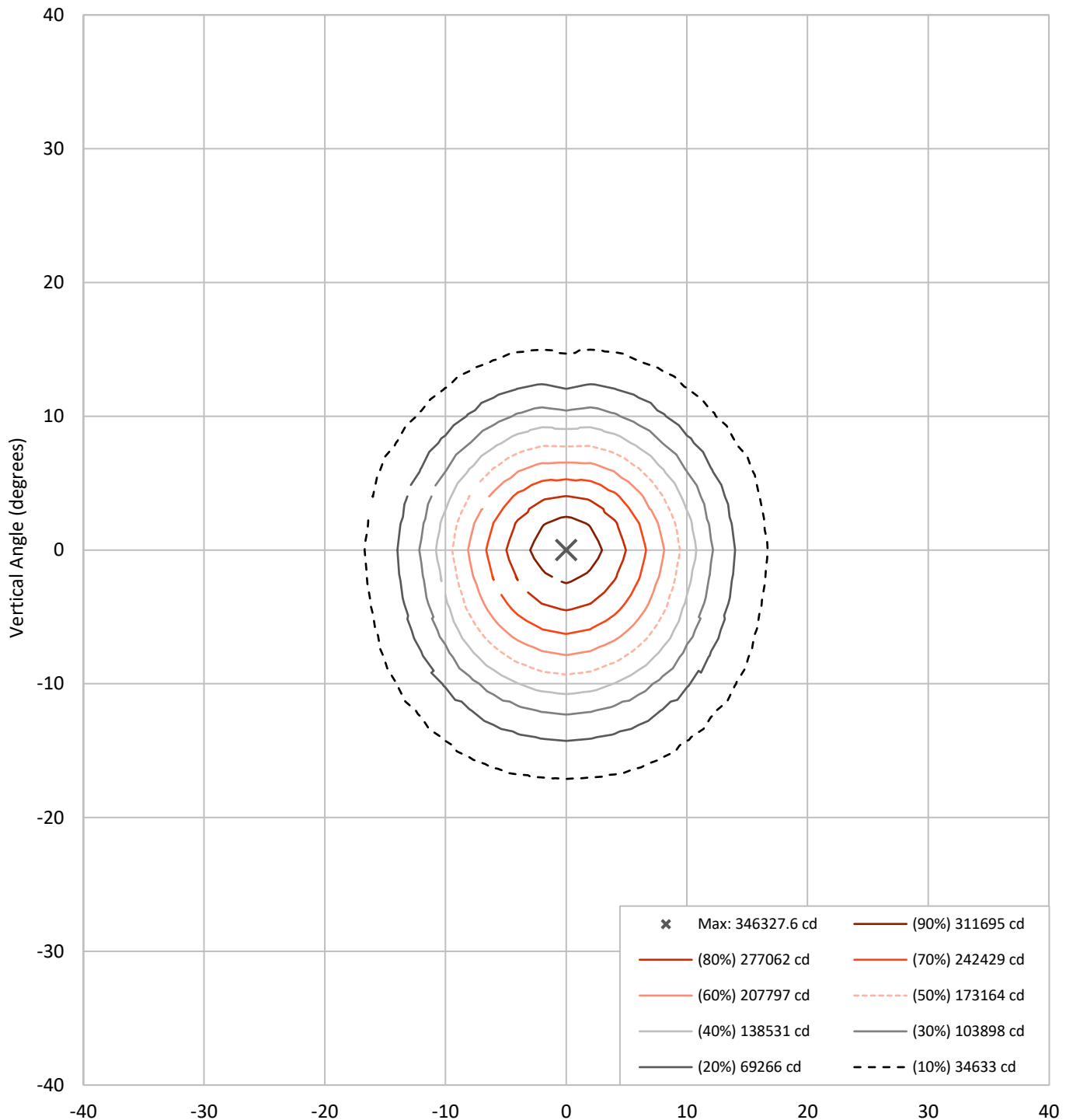
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	39928.6 lumens	Max Intensity:	346327.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	116.9 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:	18392.1 lumens	Field Lumens:	33807.4 lumens
Beam Efficiency:	46.1%	Field Efficiency:	84.7%

Input Watts (W): 341.6
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

REPORT NUMBER: P701340 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320L-40-80-1S-CV2-S

Iso-Candela Plot





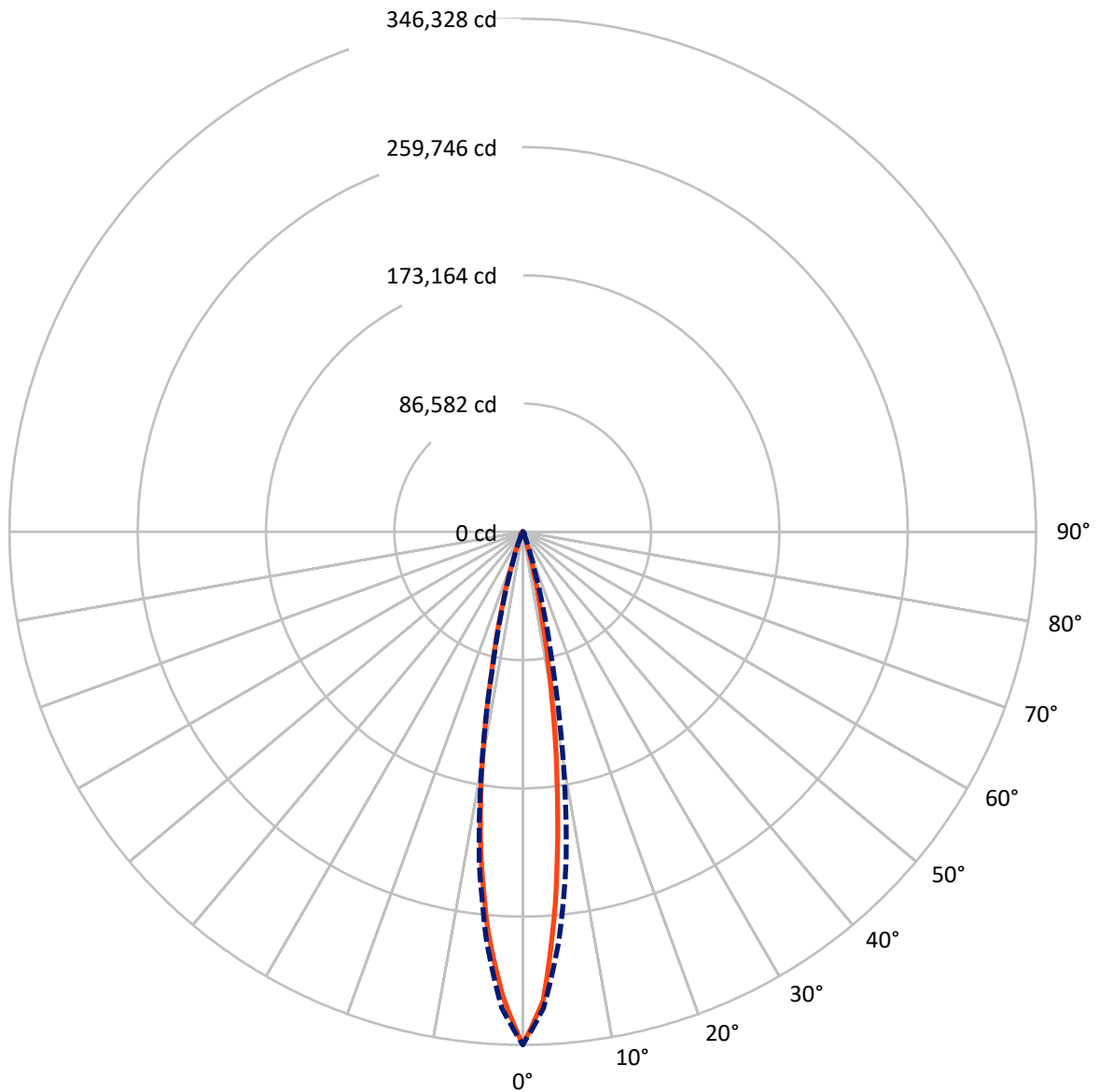
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Lumen Table

90	0.1		0.2		0.3		0.3		0.3		0.3		0.2		0.1	
80	0.1		0.2		0.3		0.3		0.3		0.3		0.2		0.1	
70	0.1	0.1	0.1	0.3	0.4	0.2	0.2	0.1	0.1	0.2	0.2	0.4	0.3	0.1	0.1	0.1
60		0.1	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.1	
50	0.1	0.1	0.2	0.3	0.3	0.4	0.6	0.7	0.7	0.6	0.4	0.3	0.3	0.2	0.1	0.1
40		0.1	0.4	0.9	1.9	3.0	3.2	3.7	3.7	3.2	3.0	1.9	0.9	0.4	0.1	
30	0.1	0.2	1.4	4.8	12.9	15.7	20.7	38.6	38.6	20.7	15.7	12.9	4.8	1.4	0.2	0.1
20		0.5	3.1	12.6	27.5	38.6	263.7	1060.3	1060.3	263.7	38.6	27.5	12.6	3.1	0.5	
10	0.2	0.9	5.3	24.3	41.5	96.2	1377.7	5945.5	5945.5	1377.7	96.2	41.5	24.3	5.3	0.9	0.2
0		1.5	7.0	28.7	48.0	95.5	1494.6	6363.3	6363.3	1494.6	95.5	48.0	28.7	7.0	1.5	
-10	0.3	1.7	7.2	26.9	51.0	60.0	433.5	1641.6	1641.6	433.5	60.0	51.0	26.9	7.2	1.7	0.3
-20		1.6	6.3	14.9	38.9	48.3	58.9	108.9	108.9	58.9	48.3	38.9	14.9	6.3	1.6	
-30	0.2	1.4	4.7	8.7	21.7	41.1	49.2	51.0	51.0	49.2	41.1	21.7	8.7	4.7	1.4	0.2
-40		0.9	3.3	6.9	11.1	20.1	36.8	50.8	50.8	36.8	20.1	11.1	6.9	3.3	0.9	
-50	0.1	0.4	1.8	4.6	8.5	12.1	15.0	16.8	16.8	15.0	12.1	8.5	4.6	1.8	0.4	0.1
-60		0.2	0.6	2.1	4.5	7.4	10.3	12.2	12.2	10.3	7.4	4.5	2.1	0.6	0.2	
-70	0.1	0.4	1.8	4.6	8.5	12.1	15.0	16.8	16.8	15.0	12.1	8.5	4.6	1.8	0.4	0.1
-80		0.2	0.6	2.1	4.5	7.4	10.3	12.2	12.2	10.3	7.4	4.5	2.1	0.6	0.2	
-90	0.1		0.5		1.6		4.0		5.9		4.0		1.6		0.5	

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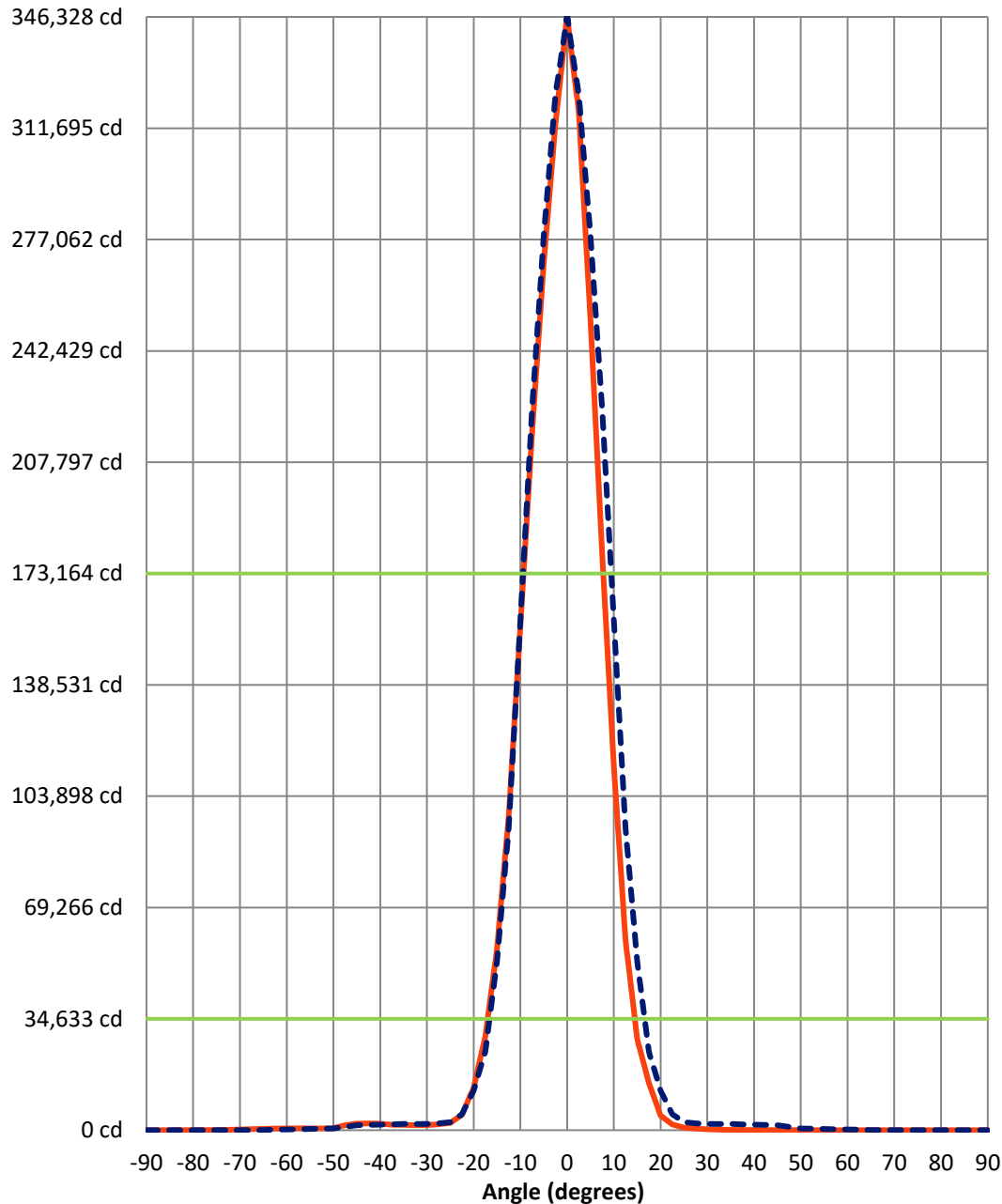
Luminous Intensity Polar Plot



— 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: 18392.1
 Efficiency: 46.1%

Field:
 H Angle: 33.2°
 V Angle: 31.5°
 Lumens: 33807.4
 Efficiency: 84.7%

Spill:
 Lumens: 6121.3
 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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.5	4.7	4.9	5.1
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.1	3.9	3.6	3.4
85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.1	3.9	3.6	3.4
82.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.1	3.9	3.7	3.7
80°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.1	4.0	4.0	4.0
77.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.3
75°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
72.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
70°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
67.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4
65°	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.3	4.5	4.6	4.5
62.5°	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.7	4.7	4.5
60°	4.3	4.3	4.3	4.3	4.3	4.5	4.5	4.7	4.9	4.7	4.5
57.5°	4.3	4.3	4.3	4.3	4.4	4.5	4.6	4.9	4.9	4.8	4.6
55°	4.3	4.3	4.3	4.3	4.5	4.6	4.8	5.1	5.0	4.8	4.6
52.5°	4.3	4.3	4.3	4.3	4.5	4.7	4.9	5.1	5.0	4.8	4.7
50°	4.3	4.3	4.3	4.3	4.6	4.8	5.0	5.1	5.1	4.9	5.2
47.5°	4.3	4.3	4.3	4.3	4.7	4.9	5.1	5.1	5.1	4.9	5.8
45°	4.3	4.3	4.3	4.4	4.8	5.0	5.1	5.1	5.1	5.3	6.2
42.5°	4.3	4.3	4.3	4.5	4.9	5.0	5.1	5.1	5.2	5.6	6.8
40°	4.3	4.3	4.3	4.5	5.0	5.1	5.1	5.2	5.3	5.8	7.2
37.5°	4.3	4.3	4.3	4.6	5.0	5.1	5.1	5.3	5.6	6.2	7.6
35°	4.3	4.3	4.3	4.7	5.1	5.1	5.1	5.4	5.8	6.8	7.9
32.5°	4.3	4.3	4.3	4.7	5.1	5.1	5.1	5.5	6.1	7.5	8.8
30°	4.3	4.3	4.3	4.8	5.1	5.1	5.2	5.7	6.3	8.4	10.0
27.5°	4.3	4.3	4.3	4.8	5.1	5.1	5.3	5.9	6.7	9.3	11.3
25°	4.3	4.3	4.3	4.9	5.1	5.1	5.4	6.0	7.4	10.3	12.7
22.5°	4.3	4.3	4.3	4.9	5.1	5.1	5.5	6.2	8.1	11.4	14.9
20°	4.3	4.3	4.3	5.0	5.1	5.2	5.7	6.4	8.8	12.6	17.1
17.5°	4.3	4.3	4.3	5.0	5.1	5.3	5.8	6.5	9.6	13.9	19.1
15°	4.3	4.3	4.3	5.0	5.1	5.4	6.0	6.7	10.3	15.2	21.0
12.5°	4.3	4.3	4.3	5.0	5.1	5.5	6.1	7.0	11.1	16.5	22.9
10°	4.3	4.3	4.3	5.1	5.1	5.6	6.3	7.3	11.9	18.0	25.6
7.5°	4.3	4.3	4.3	5.1	5.1	5.7	6.4	7.6	12.7	19.6	30.4
5°	4.3	4.3	4.3	5.1	5.1	5.8	6.6	7.9	13.4	21.1	35.4
2.5°	4.3	4.3	4.3	5.1	5.1	5.9	6.7	8.2	14.0	22.5	40.3
0°	4.3	4.3	4.3	5.1	5.1	6.0	6.8	8.5	14.5	23.8	45.1
-2.5°	4.3	4.3	4.3	5.1	5.2	6.1	7.2	10.2	18.3	30.9	57.1
-5°	4.3	4.3	4.4	5.1	5.3	6.2	7.7	11.9	21.9	37.7	68.4
-7.5°	4.3	4.3	4.4	5.1	5.3	6.2	8.1	13.4	25.2	44.0	78.7
-10°	4.3	4.3	4.4	5.1	5.4	6.3	8.4	14.7	28.1	49.6	87.8
-12.5°	4.3	4.3	4.5	5.1	5.5	6.3	8.7	15.8	30.6	54.5	94.9
-15°	4.3	4.3	4.5	5.0	5.5	6.4	8.9	16.7	33.3	59.6	100.4
-17.5°	4.3	4.3	4.5	5.0	5.5	6.4	9.0	17.9	36.4	63.9	104.6
-20°	4.3	4.3	4.5	5.0	5.6	6.4	9.3	19.4	38.8	67.3	107.4



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 CATALOG NUMBER: EPH-LS-08-0320L-40-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.3	4.3	4.6	5.0	5.6	6.5	9.9	20.3	40.3	69.6	108.6
-25°	4.3	4.3	4.6	5.0	5.6	6.6	10.2	20.6	40.9	70.8	108.3
-27.5°	4.3	4.3	4.6	5.0	5.6	6.8	10.3	20.3	40.5	71.1	109.2
-30°	4.3	4.3	4.6	5.0	5.5	7.0	10.1	19.3	39.9	70.6	108.8
-32.5°	4.3	4.3	4.6	5.0	5.6	7.0	9.6	18.8	38.8	68.8	106.8
-35°	4.3	4.3	4.6	5.0	5.6	7.1	9.5	18.3	36.8	65.6	103.3
-37.5°	4.3	4.3	4.6	5.1	5.6	7.1	9.5	17.2	33.7	61.0	94.2
-40°	4.3	4.3	4.6	5.1	5.5	7.1	9.4	15.8	29.6	56.2	84.4
-42.5°	4.3	4.3	4.6	5.1	5.5	7.0	9.3	13.8	26.5	48.8	73.8
-45°	4.3	4.3	4.5	5.1	5.6	6.9	9.0	12.3	23.8	40.7	62.9
-47.5°	4.3	4.3	4.5	5.2	5.6	6.8	8.7	11.9	20.4	32.2	53.3
-50°	4.3	4.3	4.5	5.1	5.6	6.6	8.4	11.3	16.0	27.3	43.2
-52.5°	4.3	4.3	4.4	5.0	5.6	6.4	8.2	10.7	13.9	22.1	33.1
-55°	4.3	4.3	4.4	5.0	5.5	6.3	7.9	9.9	12.9	16.7	27.0
-57.5°	4.3	4.3	4.3	4.9	5.5	6.2	7.5	9.5	11.7	14.5	20.6
-60°	4.3	4.3	4.3	4.8	5.4	6.1	7.2	8.9	10.7	13.2	15.7
-62.5°	4.3	4.3	4.3	4.7	5.3	6.0	6.9	8.3	10.0	11.8	14.3
-65°	4.3	4.3	4.3	4.7	5.2	5.8	6.6	7.8	9.3	10.9	12.7
-67.5°	4.3	4.3	4.3	4.6	5.1	5.6	6.3	7.4	8.6	10.1	11.6
-70°	4.3	4.3	4.3	4.5	5.0	5.4	6.0	6.9	8.0	9.3	10.7
-72.5°	4.3	4.3	4.3	4.5	4.8	5.3	5.7	6.4	7.4	8.5	9.8
-75°	4.3	4.3	4.3	4.4	4.7	5.1	5.5	6.1	6.8	7.8	8.8
-77.5°	4.3	4.3	4.3	4.4	4.6	4.9	5.3	5.8	6.4	7.0	7.9
-80°	4.3	4.3	4.3	4.4	4.6	4.8	5.1	5.5	6.0	6.5	7.1
-82.5°	4.3	4.3	4.3	4.4	4.5	4.7	4.9	5.2	5.6	6.0	6.4
-85°	4.3	4.3	4.3	4.4	4.4	4.6	4.7	5.0	5.3	5.6	5.9
-87.5°	4.3	4.3	4.3	4.3	4.4	4.4	4.5	4.7	5.0	5.2	5.5
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.1	3.9	3.6	3.4



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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°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
87.5°	3.4	3.4	3.4	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6
85°	3.4	3.4	3.4	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6
82.5°	3.7	3.6	3.5	3.4	3.2	3.0	2.8	2.7	2.7	2.7	2.7
80°	4.0	3.9	3.7	3.4	3.3	3.2	3.2	3.3	3.2	3.0	2.8
77.5°	4.1	3.9	3.7	3.5	3.4	3.5	3.5	3.4	3.3	3.1	2.9
75°	4.1	3.9	3.8	3.8	3.9	3.8	3.7	3.5	3.3	3.3	3.3
72.5°	4.2	4.1	4.1	4.3	4.2	4.0	3.7	3.5	3.7	4.1	4.5
70°	4.3	4.3	4.3	4.3	4.2	4.1	4.3	4.8	5.5	6.4	7.9
67.5°	4.3	4.3	4.3	4.3	4.3	4.6	5.2	8.3	12.0	13.6	14.3
65°	4.3	4.3	4.3	4.3	4.3	6.6	10.1	14.4	19.0	19.8	19.3
62.5°	4.3	4.3	4.3	4.9	6.9	10.1	14.1	18.8	24.1	24.3	21.2
60°	4.4	4.3	5.1	7.0	9.4	12.5	17.1	20.8	24.8	26.6	20.3
57.5°	4.4	4.9	6.7	8.9	11.4	13.8	16.5	20.2	22.1	22.3	16.5
55°	4.8	6.0	8.1	10.6	12.6	12.5	14.5	16.2	16.8	15.9	11.4
52.5°	5.6	7.1	9.5	11.9	12.7	11.8	11.4	12.4	12.0	10.3	8.4
50°	6.4	8.3	10.8	12.8	12.7	10.9	9.2	9.7	9.3	8.1	6.8
47.5°	7.2	9.4	12.4	13.7	12.2	10.9	9.4	8.9	8.5	8.6	7.7
45°	8.0	10.5	13.8	13.5	12.5	12.0	10.8	9.3	10.8	11.1	10.8
42.5°	8.7	11.5	13.8	13.5	14.2	13.8	12.9	13.6	14.4	15.0	15.4
40°	9.3	12.2	14.0	16.0	16.3	16.2	17.6	18.9	18.9	20.2	21.1
37.5°	9.8	12.8	15.7	20.4	18.8	20.4	23.2	25.6	26.9	25.9	29.0
35°	10.0	13.9	21.2	26.2	24.8	26.1	30.4	35.2	39.9	37.2	42.5
32.5°	10.8	15.5	28.3	32.8	37.6	37.8	38.6	51.9	62.1	66.7	69.2
30°	12.7	22.0	36.2	40.4	55.5	58.6	58.1	74.7	93.5	138.2	172.5
27.5°	15.3	29.9	43.5	56.2	77.7	83.1	91.1	110.1	167.8	252.9	349.3
25°	17.9	40.2	51.5	77.6	101.5	112.8	126.4	155.2	271.7	462.6	532.5
22.5°	23.4	51.8	64.4	102.0	127.8	143.3	168.1	238.2	399.2	692.5	711.3
20°	32.2	62.5	83.3	125.0	156.5	173.6	209.6	324.3	540.9	754.6	837.7
17.5°	41.6	74.4	104.0	148.3	187.6	211.9	256.2	406.1	651.3	835.0	932.9
15°	51.2	87.2	123.1	174.0	221.6	259.9	348.3	516.7	727.9	929.9	1070.9
12.5°	60.8	100.6	140.6	201.4	258.0	307.8	459.7	699.6	895.0	1057.6	1243.7
10°	70.2	114.2	156.5	229.7	296.0	355.3	582.3	896.5	1089.1	1232.5	1395.6
7.5°	93.1	135.2	174.3	258.0	334.6	401.7	710.3	1100.4	1265.5	1382.3	1505.1
5°	118.9	163.2	208.4	300.1	376.6	446.0	834.9	1303.1	1427.4	1512.2	1588.6
2.5°	144.5	190.2	241.8	342.1	418.5	486.9	940.0	1435.1	1541.6	1622.2	1683.1
0°	168.5	216.1	274.0	381.2	457.7	525.0	1030.3	1546.8	1642.9	1723.8	1796.9
-2.5°	181.9	237.0	298.1	396.1	462.2	527.4	960.0	1508.7	1652.2	1760.0	1869.2
-5°	192.4	256.3	320.4	408.7	465.3	527.6	877.7	1443.0	1663.2	1797.3	1930.7
-7.5°	199.9	273.5	340.7	418.9	469.1	529.7	873.2	1466.3	1729.6	1851.1	1982.0
-10°	203.1	280.0	344.9	421.0	473.7	532.0	862.3	1455.5	1793.6	1907.1	2024.7
-12.5°	196.8	276.9	343.7	420.3	477.5	531.8	818.2	1406.8	1857.5	1968.5	2045.6
-15°	189.5	272.4	339.7	416.8	480.7	529.0	736.3	1317.8	1869.0	1940.2	2016.3
-17.5°	181.6	266.6	332.4	410.2	483.5	523.8	606.8	1093.4	1676.3	1847.3	1968.1
-20°	173.7	259.5	321.8	400.7	483.8	506.2	548.5	877.5	1368.8	1713.6	1872.8



REPORT NUMBER: P701340 (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°	166.1	251.2	309.7	387.8	451.8	479.8	510.7	677.3	1047.8	1541.6	1704.5
-25°	162.6	238.5	298.6	360.8	419.0	452.1	469.9	515.5	783.9	1216.8	1517.7
-27.5°	161.4	227.5	281.9	334.8	390.7	422.2	436.1	469.7	615.3	903.8	1310.3
-30°	158.1	210.9	264.4	311.2	362.6	393.1	404.4	434.1	483.8	692.9	987.8
-32.5°	148.6	193.5	245.0	291.0	335.7	370.9	386.0	413.0	448.8	512.6	724.2
-35°	136.8	178.8	224.9	270.1	311.2	349.5	376.2	395.6	420.0	452.3	556.1
-37.5°	126.3	163.4	204.6	248.3	287.9	327.3	365.2	382.9	402.0	426.6	470.1
-40°	114.8	147.3	186.3	226.1	264.8	303.2	340.0	372.1	387.2	412.6	442.5
-42.5°	102.5	133.6	168.1	203.9	240.9	277.2	313.5	347.6	380.4	400.5	424.4
-45°	90.1	119.0	149.9	183.3	216.4	250.4	284.3	319.4	359.9	395.0	412.5
-47.5°	76.9	103.7	132.7	162.3	192.8	223.5	254.5	292.3	332.8	370.7	407.5
-50°	63.7	88.3	115.1	142.9	170.1	197.7	225.9	265.3	304.4	341.4	376.6
-52.5°	51.9	72.2	97.6	124.0	148.9	173.4	202.4	238.4	275.7	312.2	345.6
-55°	39.6	58.1	79.2	104.0	128.9	151.2	179.2	212.0	245.8	280.9	313.7
-57.5°	30.5	44.1	62.2	82.6	106.4	131.1	158.2	185.6	216.3	248.2	277.3
-60°	23.1	32.5	45.9	63.1	81.8	106.3	135.6	162.7	188.6	214.0	241.2
-62.5°	16.6	24.1	32.9	44.4	60.5	79.5	104.3	132.2	162.2	184.2	205.7
-65°	15.0	17.2	23.3	31.5	39.9	55.6	74.3	95.2	120.5	142.9	165.8
-67.5°	13.3	15.3	17.3	20.5	28.0	36.4	45.1	61.8	80.1	95.7	111.9
-70°	12.1	13.5	15.3	17.1	19.1	22.8	30.1	37.8	45.4	54.1	67.2
-72.5°	10.9	12.0	13.4	14.9	16.6	18.5	20.5	22.7	27.1	32.8	38.1
-75°	9.7	10.5	11.5	12.7	14.0	15.5	17.1	18.9	20.4	21.8	23.2
-77.5°	8.5	9.1	9.8	10.5	11.4	12.4	13.6	14.9	16.1	17.2	18.2
-80°	7.4	7.7	8.1	8.7	9.3	10.0	10.6	11.3	11.9	12.7	13.5
-82.5°	6.5	6.6	6.8	7.0	7.4	7.9	8.4	8.9	9.3	9.6	10.0
-85°	5.7	5.6	5.5	5.5	5.9	6.3	6.6	7.0	7.2	7.3	7.5
-87.5°	5.4	5.3	5.2	5.1	5.2	5.4	5.6	5.7	5.8	5.8	5.8
-90°	3.4	3.4	3.4	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.1	5.3	5.6	5.8	6.0	6.4	6.8	7.3	7.7	10.9	14.0
87.5°	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.9	0.9
85°	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.9	0.9
82.5°	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.9	0.9
80°	2.6	2.4	2.2	2.0	1.7	1.6	1.6	1.6	1.6	1.5	1.3
77.5°	2.7	2.6	2.5	2.3	2.2	2.1	2.0	1.9	1.7	1.5	1.3
75°	3.3	3.3	3.2	3.0	2.7	2.4	2.2	2.0	1.7	1.7	1.7
72.5°	4.7	4.6	4.3	4.2	3.8	3.5	3.5	3.3	3.1	3.1	3.2
70°	8.7	8.9	8.5	7.7	6.5	5.8	5.4	4.9	4.3	4.2	4.5
67.5°	13.8	12.6	11.6	10.5	8.9	7.7	7.0	6.4	5.8	5.6	5.8
65°	17.3	13.7	11.8	10.3	9.2	8.2	7.4	6.6	5.8	5.3	5.2
62.5°	17.3	12.4	10.0	8.9	8.1	7.4	6.3	5.3	4.5	3.9	4.0
60°	14.9	10.2	7.5	6.5	5.7	5.1	4.6	4.1	3.7	3.4	3.5
57.5°	11.3	7.4	5.1	5.0	4.8	4.5	4.2	4.0	3.7	3.4	3.6
55°	7.9	6.1	5.1	5.2	5.3	5.2	4.9	4.5	4.2	4.0	4.1
52.5°	6.3	6.1	6.4	6.5	6.0	5.5	5.1	5.1	5.2	5.3	5.5
50°	6.7	7.0	7.1	6.7	6.4	6.2	5.9	6.2	6.6	6.9	7.2
47.5°	7.8	8.2	8.4	7.6	7.7	8.2	7.8	8.0	9.6	10.8	11.6
45°	10.2	11.5	11.7	11.9	11.7	12.9	13.6	14.2	17.4	18.6	18.6
42.5°	15.7	17.6	18.8	20.0	19.1	22.6	27.5	30.8	30.0	28.8	29.2
40°	23.7	27.2	32.1	34.7	37.7	41.6	43.0	37.2	36.3	40.9	41.4
37.5°	36.0	45.4	55.8	63.9	65.2	63.5	61.4	60.5	61.8	64.9	69.5
35°	59.2	81.3	91.0	96.0	99.1	89.7	86.2	89.6	86.7	95.2	98.2
32.5°	105.0	133.5	141.8	145.5	153.2	143.8	122.9	147.6	138.3	136.9	146.4
30°	166.5	206.3	240.4	242.8	237.4	235.9	247.9	251.1	240.0	239.9	277.3
27.5°	319.0	328.0	388.4	415.7	347.4	352.6	385.2	367.9	408.3	447.4	478.2
25°	505.1	512.6	618.1	602.0	529.7	550.3	569.4	565.6	612.5	659.4	712.8
22.5°	676.2	706.9	793.5	771.1	738.9	747.8	765.4	800.0	863.1	958.5	1207.3
20°	812.7	832.6	874.7	893.9	895.8	913.3	969.1	1064.8	1261.2	1905.2	2682.8
17.5°	944.3	913.5	964.1	997.3	1033.1	1097.2	1227.0	1618.9	2565.8	4518.0	6431.2
15°	1135.4	1116.4	1086.6	1132.0	1231.5	1362.4	1665.7	3098.7	6315.5	9976.1	13781.9
12.5°	1343.6	1318.4	1277.3	1315.6	1466.7	1700.0	3125.8	6757.1	11899.2	18461.8	31245.1
10°	1509.5	1498.2	1472.6	1553.9	1751.1	2453.8	4979.3	10693.1	18339.2	33562.7	52171.9
7.5°	1611.1	1605.9	1627.8	1760.8	2029.4	3583.5	8139.9	16095.9	29531.9	50666.2	81905.7
5°	1722.1	1714.1	1749.3	1910.6	2228.4	4307.8	10608.6	20949.4	40958.8	70198.7	115565.3
2.5°	1841.1	1822.8	1859.1	2042.9	2384.2	4468.5	11162.8	22403.0	47742.0	85255.5	146037.6
0°	1961.1	1923.7	1943.3	2127.0	2500.6	4995.2	12311.4	24498.5	52537.2	93966.6	158612.3
-2.5°	1970.9	1907.5	1926.9	2096.8	2454.5	4300.8	10688.9	22567.6	49932.6	87430.7	145252.2
-5°	1987.5	1904.8	1899.3	2048.2	2388.7	3923.8	9068.4	20639.7	44116.0	76938.0	127043.1
-7.5°	2018.3	1920.5	1873.4	1983.6	2284.4	3411.0	7398.5	17182.0	35689.7	62751.2	99060.1
-10°	2068.9	1963.8	1886.8	1935.2	2152.8	2781.9	4895.2	12488.3	27015.4	47311.0	71922.2
-12.5°	2131.3	2082.7	1967.2	1900.3	2019.8	2360.7	3847.7	9330.3	18980.7	29931.6	47885.6
-15°	2160.2	2178.5	2095.1	1962.1	1969.9	2180.8	2691.1	5108.7	11914.6	19871.3	28728.1
-17.5°	2120.9	2207.6	2111.2	1958.6	1896.7	2021.7	2260.4	3146.7	5505.7	10616.4	15810.9
-20°	2006.0	2034.4	2014.7	1923.0	1858.1	1865.0	1983.1	2212.9	2673.1	4346.2	6184.7



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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°	1793.2	1811.4	1806.3	1874.1	1801.3	1768.6	1794.3	1883.5	2026.3	2243.4	2851.8
-25°	1611.8	1604.1	1646.0	1759.4	1777.4	1698.3	1677.6	1684.1	1765.3	1861.6	1995.0
-27.5°	1438.8	1491.1	1583.3	1698.4	1748.4	1695.3	1628.4	1584.7	1623.8	1654.1	1714.0
-30°	1294.0	1429.3	1525.9	1630.8	1706.1	1697.6	1632.5	1611.1	1592.6	1571.2	1586.3
-32.5°	1063.5	1354.7	1454.4	1540.1	1631.2	1668.2	1667.7	1658.6	1666.9	1649.4	1610.3
-35°	826.5	1140.3	1399.2	1446.9	1505.8	1592.9	1659.6	1670.2	1680.2	1679.8	1670.4
-37.5°	592.9	884.6	1147.0	1339.9	1409.2	1473.0	1597.5	1664.0	1685.7	1720.1	1732.7
-40°	486.3	573.7	836.1	1072.1	1231.2	1424.4	1553.8	1674.1	1797.8	1870.2	1911.1
-42.5°	454.3	490.6	529.1	710.6	937.5	1149.7	1352.4	1581.5	1757.3	1893.9	2030.0
-45°	431.3	454.6	480.1	515.8	551.5	731.3	937.8	1145.2	1339.7	1535.8	1724.0
-47.5°	422.1	430.7	448.4	468.8	492.6	524.0	553.8	600.0	760.6	919.6	1090.2
-50°	407.4	428.8	436.5	443.9	463.2	481.6	495.8	515.4	534.8	547.0	563.1
-52.5°	376.5	404.1	427.7	449.4	461.8	472.6	482.0	498.0	513.0	526.1	535.1
-55°	344.5	373.0	400.3	426.9	451.8	475.7	496.5	508.0	519.6	531.2	536.0
-57.5°	307.0	337.0	366.4	394.1	421.3	447.9	471.5	492.7	513.0	531.9	543.7
-60°	267.6	293.3	323.0	353.7	382.1	408.2	434.3	458.9	481.6	500.9	513.1
-62.5°	229.3	253.7	278.2	305.9	336.7	366.4	389.9	413.7	437.7	458.8	474.1
-65°	187.8	208.2	227.8	248.7	270.7	294.5	319.3	343.8	367.6	387.7	402.7
-67.5°	131.1	150.7	168.8	186.7	203.2	220.0	237.8	255.9	273.9	289.8	303.2
-70°	79.9	91.8	102.4	113.8	127.5	141.5	155.5	168.5	180.2	189.9	197.8
-72.5°	43.2	47.8	52.9	61.4	69.2	77.5	86.1	94.1	101.4	108.1	114.1
-75°	24.6	26.7	30.4	33.6	36.5	40.1	43.9	47.6	51.2	54.6	57.8
-77.5°	19.2	20.3	21.3	22.2	23.1	24.4	25.9	27.4	28.9	31.4	34.1
-80°	14.4	15.0	15.7	16.4	17.0	17.9	18.7	19.6	20.3	21.5	22.6
-82.5°	10.4	10.8	11.1	11.3	11.6	12.2	12.8	13.4	14.0	15.1	16.3
-85°	7.6	7.7	7.8	7.9	8.0	8.3	8.6	8.9	9.2	10.3	11.4
-87.5°	5.8	5.9	5.9	6.0	6.0	6.2	6.4	6.6	6.8	7.9	9.0
-90°	2.6	2.4	2.2	1.9	1.7	1.5	1.3	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°	17.2	20.4	23.4	26.4	23.4	20.4	17.2	14.0	10.9	7.7	7.3
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	1.6	1.6
77.5°	1.1	0.9	0.9	0.9	0.9	0.9	1.1	1.3	1.5	1.7	1.9
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.0
72.5°	3.3	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.1	3.1	3.3
70°	4.8	5.0	5.5	6.0	5.5	5.0	4.8	4.5	4.2	4.3	4.9
67.5°	5.9	6.0	5.2	4.3	5.2	6.0	5.9	5.8	5.6	5.8	6.4
65°	5.2	5.1	4.7	4.3	4.7	5.1	5.2	5.2	5.3	5.8	6.6
62.5°	4.1	4.3	4.3	4.3	4.3	4.3	4.1	4.0	3.9	4.5	5.3
60°	3.5	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.4	3.7	4.1
57.5°	3.9	4.2	4.3	4.3	4.3	4.2	3.9	3.6	3.4	3.7	4.0
55°	4.2	4.3	4.6	5.1	4.6	4.3	4.2	4.1	4.0	4.2	4.5
52.5°	5.7	5.9	6.0	6.0	6.0	5.9	5.7	5.5	5.3	5.2	5.1
50°	7.4	7.6	7.7	7.7	7.7	7.6	7.4	7.2	6.9	6.6	6.2
47.5°	12.2	12.5	13.0	13.6	13.0	12.5	12.2	11.6	10.8	9.6	8.0
45°	19.4	19.9	20.7	22.1	20.7	19.9	19.4	18.6	18.6	17.4	14.2
42.5°	30.7	31.6	32.5	34.0	32.5	31.6	30.7	29.2	28.8	30.0	30.8
40°	42.3	42.9	43.5	45.1	43.5	42.9	42.3	41.4	40.9	36.3	37.2
37.5°	71.6	68.6	65.4	72.3	65.4	68.6	71.6	69.5	64.9	61.8	60.5
35°	97.7	99.5	102.3	107.2	102.3	99.5	97.7	98.2	95.2	86.7	89.6
32.5°	148.2	156.2	159.9	165.1	159.9	156.2	148.2	146.4	136.9	138.3	147.6
30°	294.8	294.3	270.5	274.8	270.5	294.3	294.8	277.3	239.9	240.0	251.1
27.5°	488.0	493.9	491.3	503.7	491.3	493.9	488.0	478.2	447.4	408.3	367.9
25°	759.7	785.1	780.2	804.9	780.2	785.1	759.7	712.8	659.4	612.5	565.6
22.5°	1512.9	1630.0	1628.1	1784.2	1628.1	1630.0	1512.9	1207.3	958.5	863.1	800.0
20°	4040.8	4840.2	4510.8	4571.5	4510.8	4840.2	4040.8	2682.8	1905.2	1261.2	1064.8
17.5°	9318.3	12026.9	13203.2	14673.2	13203.2	12026.9	9318.3	6431.2	4518.0	2565.8	1618.9
15°	21271.9	28488.6	32098.4	28414.0	32098.4	28488.6	21271.9	13781.9	9976.1	6315.5	3098.7
12.5°	44537.1	57208.1	65966.8	59245.1	65966.8	57208.1	44537.1	31245.1	18461.8	11899.2	6757.1
10°	76941.7	100281.5	119570.6	113213.4	119570.6	100281.5	76941.7	52171.9	33562.7	18339.2	10693.1
7.5°	118285.0	155989.6	179522.8	179348.5	179522.8	155989.6	118285.0	81905.7	50666.2	29531.9	16095.9
5°	170176.1	218416.6	248381.5	251994.8	248381.5	218416.6	170176.1	115565.3	70198.7	40958.8	20949.4
2.5°	208597.8	260900.0	301815.3	316572.8	301815.3	260900.0	208597.8	146037.6	85255.5	47742.0	22403.0
0°	224284.9	278205.1	321941.4	346327.6	321941.4	278205.1	224284.9	158612.3	93966.6	52537.2	24498.5
-2.5°	211958.8	261759.8	297832.9	312941.5	297832.9	261759.8	211958.8	145252.2	87430.7	49932.6	22567.6
-5°	185068.6	231969.8	259796.9	269679.0	259796.9	231969.8	185068.6	127043.1	76938.0	44116.0	20639.7
-7.5°	144826.5	184087.1	208109.0	216785.3	208109.0	184087.1	144826.5	99060.1	62751.2	35689.7	17182.0
-10°	100292.8	129476.1	150331.7	156800.9	150331.7	129476.1	100292.8	71922.2	47311.0	27015.4	12488.3
-12.5°	64624.1	81938.7	93493.2	97701.7	93493.2	81938.7	64624.1	47885.6	29931.6	18980.7	9330.3
-15°	39314.3	48955.1	54551.0	56436.5	54551.0	48955.1	39314.3	28728.1	19871.3	11914.6	5108.7
-17.5°	21662.0	26314.9	28025.4	29229.0	28025.4	26314.9	21662.0	15810.9	10616.4	5505.7	3146.7
-20°	9704.6	11724.6	12715.8	13224.3	12715.8	11724.6	9704.6	6184.7	4346.2	2673.1	2212.9



REPORT NUMBER: P701340 (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°	3741.8	4331.7	4597.4	4815.6	4597.4	4331.7	3741.8	2851.8	2243.4	2026.3	1883.5
-25°	2111.0	2192.9	2230.2	2254.7	2230.2	2192.9	2111.0	1995.0	1861.6	1765.3	1684.1
-27.5°	1756.7	1804.0	1836.4	1831.0	1836.4	1804.0	1756.7	1714.0	1654.1	1623.8	1584.7
-30°	1587.5	1602.0	1614.3	1604.6	1614.3	1602.0	1587.5	1586.3	1571.2	1592.6	1611.1
-32.5°	1582.8	1567.8	1559.3	1557.0	1559.3	1567.8	1582.8	1610.3	1649.4	1666.9	1658.6
-35°	1659.7	1652.9	1648.6	1651.4	1648.6	1652.9	1659.7	1670.4	1679.8	1680.2	1670.2
-37.5°	1734.3	1724.3	1709.2	1697.4	1709.2	1724.3	1734.3	1732.7	1720.1	1685.7	1664.0
-40°	1919.1	1954.8	2000.1	2024.9	2000.1	1954.8	1919.1	1911.1	1870.2	1797.8	1674.1
-42.5°	2070.4	2096.5	2108.3	2107.5	2108.3	2096.5	2070.4	2030.0	1893.9	1757.3	1581.5
-45°	1866.8	1971.2	2027.6	2038.6	2027.6	1971.2	1866.8	1724.0	1535.8	1339.7	1145.2
-47.5°	1274.0	1443.6	1543.1	1556.1	1543.1	1443.6	1274.0	1090.2	919.6	760.6	600.0
-50°	585.1	607.8	616.1	610.0	616.1	607.8	585.1	563.1	547.0	534.8	515.4
-52.5°	543.6	552.4	556.9	558.1	556.9	552.4	543.6	535.1	526.1	513.0	498.0
-55°	540.5	545.3	548.5	551.3	548.5	545.3	540.5	536.0	531.2	519.6	508.0
-57.5°	554.7	564.9	569.8	571.8	569.8	564.9	554.7	543.7	531.9	513.0	492.7
-60°	524.1	534.0	537.7	538.6	537.7	534.0	524.1	513.1	500.9	481.6	458.9
-62.5°	488.4	501.6	506.6	507.9	506.6	501.6	488.4	474.1	458.8	437.7	413.7
-65°	415.8	427.0	427.8	424.6	427.8	427.0	415.8	402.7	387.7	367.6	343.8
-67.5°	315.3	325.9	326.4	323.3	326.4	325.9	315.3	303.2	289.8	273.9	255.9
-70°	204.1	209.0	210.0	209.3	210.0	209.0	204.1	197.8	189.9	180.2	168.5
-72.5°	119.4	124.0	123.1	120.8	123.1	124.0	119.4	114.1	108.1	101.4	94.1
-75°	60.6	63.1	64.1	64.7	64.1	63.1	60.6	57.8	54.6	51.2	47.6
-77.5°	36.9	39.6	40.3	40.8	40.3	39.6	36.9	34.1	31.4	28.9	27.4
-80°	23.6	24.6	24.7	24.7	24.7	24.6	23.6	22.6	21.5	20.3	19.6
-82.5°	17.5	18.6	19.1	19.6	19.1	18.6	17.5	16.3	15.1	14.0	13.4
-85°	12.5	13.6	14.0	14.5	14.0	13.6	12.5	11.4	10.3	9.2	8.9
-87.5°	10.1	11.1	11.5	11.9	11.5	11.1	10.1	9.0	7.9	6.8	6.6
-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°	6.8	6.4	6.0	5.8	5.6	5.3	5.1	5.1	5.1	5.1	5.1
87.5°	1.3	1.5	1.7	1.9	2.2	2.4	2.6	2.6	2.6	2.6	2.6
85°	1.3	1.5	1.7	1.9	2.2	2.4	2.6	2.6	2.6	2.6	2.6
82.5°	1.3	1.5	1.7	1.9	2.2	2.4	2.6	2.7	2.7	2.7	2.7
80°	1.6	1.6	1.7	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.3
77.5°	2.0	2.1	2.2	2.3	2.5	2.6	2.7	2.9	3.1	3.3	3.4
75°	2.2	2.4	2.7	3.0	3.2	3.3	3.3	3.3	3.3	3.3	3.5
72.5°	3.5	3.5	3.8	4.2	4.3	4.6	4.7	4.5	4.1	3.7	3.5
70°	5.4	5.8	6.5	7.7	8.5	8.9	8.7	7.9	6.4	5.5	4.8
67.5°	7.0	7.7	8.9	10.5	11.6	12.6	13.8	14.3	13.6	12.0	8.3
65°	7.4	8.2	9.2	10.3	11.8	13.7	17.3	19.3	19.8	19.0	14.4
62.5°	6.3	7.4	8.1	8.9	10.0	12.4	17.3	21.2	24.3	24.1	18.8
60°	4.6	5.1	5.7	6.5	7.5	10.2	14.9	20.3	26.6	24.8	20.8
57.5°	4.2	4.5	4.8	5.0	5.1	7.4	11.3	16.5	22.3	22.1	20.2
55°	4.9	5.2	5.3	5.2	5.1	6.1	7.9	11.4	15.9	16.8	16.2
52.5°	5.1	5.5	6.0	6.5	6.4	6.1	6.3	8.4	10.3	12.0	12.4
50°	5.9	6.2	6.4	6.7	7.1	7.0	6.7	6.8	8.1	9.3	9.7
47.5°	7.8	8.2	7.7	7.6	8.4	8.2	7.8	7.7	8.6	8.5	8.9
45°	13.6	12.9	11.7	11.9	11.7	11.5	10.2	10.8	11.1	10.8	9.3
42.5°	27.5	22.6	19.1	20.0	18.8	17.6	15.7	15.4	15.0	14.4	13.6
40°	43.0	41.6	37.7	34.7	32.1	27.2	23.7	21.1	20.2	18.9	18.9
37.5°	61.4	63.5	65.2	63.9	55.8	45.4	36.0	29.0	25.9	26.9	25.6
35°	86.2	89.7	99.1	96.0	91.0	81.3	59.2	42.5	37.2	39.9	35.2
32.5°	122.9	143.8	153.2	145.5	141.8	133.5	105.0	69.2	66.7	62.1	51.9
30°	247.9	235.9	237.4	242.8	240.4	206.3	166.5	172.5	138.2	93.5	74.7
27.5°	385.2	352.6	347.4	415.7	388.4	328.0	319.0	349.3	252.9	167.8	110.1
25°	569.4	550.3	529.7	602.0	618.1	512.6	505.1	532.5	462.6	271.7	155.2
22.5°	765.4	747.8	738.9	771.1	793.5	706.9	676.2	711.3	692.5	399.2	238.2
20°	969.1	913.3	895.8	893.9	874.7	832.6	812.7	837.7	754.6	540.9	324.3
17.5°	1227.0	1097.2	1033.1	997.3	964.1	913.5	944.3	932.9	835.0	651.3	406.1
15°	1665.7	1362.4	1231.5	1132.0	1086.6	1116.4	1135.4	1070.9	929.9	727.9	516.7
12.5°	3125.8	1700.0	1466.7	1315.6	1277.3	1318.4	1343.6	1243.7	1057.6	895.0	699.6
10°	4979.3	2453.8	1751.1	1553.9	1472.6	1498.2	1509.5	1395.6	1232.5	1089.1	896.5
7.5°	8139.9	3583.5	2029.4	1760.8	1627.8	1605.9	1611.1	1505.1	1382.3	1265.5	1100.4
5°	10608.6	4307.8	2228.4	1910.6	1749.3	1714.1	1722.1	1588.6	1512.2	1427.4	1303.1
2.5°	11162.8	4468.5	2384.2	2042.9	1859.1	1822.8	1841.1	1683.1	1622.2	1541.6	1435.1
0°	12311.4	4995.2	2500.6	2127.0	1943.3	1923.7	1961.1	1796.9	1723.8	1642.9	1546.8
-2.5°	10688.9	4300.8	2454.5	2096.8	1926.9	1907.5	1970.9	1869.2	1760.0	1652.2	1508.7
-5°	9068.4	3923.8	2388.7	2048.2	1899.3	1904.8	1987.5	1930.7	1797.3	1663.2	1443.0
-7.5°	7398.5	3411.0	2284.4	1983.6	1873.4	1920.5	2018.3	1982.0	1851.1	1729.6	1466.3
-10°	4895.2	2781.9	2152.8	1935.2	1886.8	1963.8	2068.9	2024.7	1907.1	1793.6	1455.5
-12.5°	3847.7	2360.7	2019.8	1900.3	1967.2	2082.7	2131.3	2045.6	1968.5	1857.5	1406.8
-15°	2691.1	2180.8	1969.9	1962.1	2095.1	2178.5	2160.2	2016.3	1940.2	1869.0	1317.8
-17.5°	2260.4	2021.7	1896.7	1958.6	2111.2	2207.6	2120.9	1968.1	1847.3	1676.3	1093.4
-20°	1983.1	1865.0	1858.1	1923.0	2014.7	2034.4	2006.0	1872.8	1713.6	1368.8	877.5



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1794.3	1768.6	1801.3	1874.1	1806.3	1811.4	1793.2	1704.5	1541.6	1047.8	677.3
-25°	1677.6	1698.3	1777.4	1759.4	1646.0	1604.1	1611.8	1517.7	1216.8	783.9	515.5
-27.5°	1628.4	1695.3	1748.4	1698.4	1583.3	1491.1	1438.8	1310.3	903.8	615.3	469.7
-30°	1632.5	1697.6	1706.1	1630.8	1525.9	1429.3	1294.0	987.8	692.9	483.8	434.1
-32.5°	1667.7	1668.2	1631.2	1540.1	1454.4	1354.7	1063.5	724.2	512.6	448.8	413.0
-35°	1659.6	1592.9	1505.8	1446.9	1399.2	1140.3	826.5	556.1	452.3	420.0	395.6
-37.5°	1597.5	1473.0	1409.2	1339.9	1147.0	884.6	592.9	470.1	426.6	402.0	382.9
-40°	1553.8	1424.4	1231.2	1072.1	836.1	573.7	486.3	442.5	412.6	387.2	372.1
-42.5°	1352.4	1149.7	937.5	710.6	529.1	490.6	454.3	424.4	400.5	380.4	347.6
-45°	937.8	731.3	551.5	515.8	480.1	454.6	431.3	412.5	395.0	359.9	319.4
-47.5°	553.8	524.0	492.6	468.8	448.4	430.7	422.1	407.5	370.7	332.8	292.3
-50°	495.8	481.6	463.2	443.9	436.5	428.8	407.4	376.6	341.4	304.4	265.3
-52.5°	482.0	472.6	461.8	449.4	427.7	404.1	376.5	345.6	312.2	275.7	238.4
-55°	496.5	475.7	451.8	426.9	400.3	373.0	344.5	313.7	280.9	245.8	212.0
-57.5°	471.5	447.9	421.3	394.1	366.4	337.0	307.0	277.3	248.2	216.3	185.6
-60°	434.3	408.2	382.1	353.7	323.0	293.3	267.6	241.2	214.0	188.6	162.7
-62.5°	389.9	366.4	336.7	305.9	278.2	253.7	229.3	205.7	184.2	162.2	132.2
-65°	319.3	294.5	270.7	248.7	227.8	208.2	187.8	165.8	142.9	120.5	95.2
-67.5°	237.8	220.0	203.2	186.7	168.8	150.7	131.1	111.9	95.7	80.1	61.8
-70°	155.5	141.5	127.5	113.8	102.4	91.8	79.9	67.2	54.1	45.4	37.8
-72.5°	86.1	77.5	69.2	61.4	52.9	47.8	43.2	38.1	32.8	27.1	22.7
-75°	43.9	40.1	36.5	33.6	30.4	26.7	24.6	23.2	21.8	20.4	18.9
-77.5°	25.9	24.4	23.1	22.2	21.3	20.3	19.2	18.2	17.2	16.1	14.9
-80°	18.7	17.9	17.0	16.4	15.7	15.0	14.4	13.5	12.7	11.9	11.3
-82.5°	12.8	12.2	11.6	11.3	11.1	10.8	10.4	10.0	9.6	9.3	8.9
-85°	8.6	8.3	8.0	7.9	7.8	7.7	7.6	7.5	7.3	7.2	7.0
-87.5°	6.4	6.2	6.0	6.0	5.9	5.9	5.8	5.8	5.8	5.8	5.7
-90°	1.3	1.5	1.7	1.9	2.2	2.4	2.6	2.6	2.6	2.6	2.6



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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°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	4.9	4.7	4.5
87.5°	2.8	3.0	3.2	3.4	3.4	3.4	3.4	3.4	3.6	3.9	4.1
85°	2.8	3.0	3.2	3.4	3.4	3.4	3.4	3.4	3.6	3.9	4.1
82.5°	2.8	3.0	3.2	3.4	3.5	3.6	3.7	3.7	3.7	3.9	4.1
80°	3.2	3.2	3.3	3.4	3.7	3.9	4.0	4.0	4.0	4.0	4.1
77.5°	3.5	3.5	3.4	3.5	3.7	3.9	4.1	4.3	4.2	4.2	4.2
75°	3.7	3.8	3.9	3.8	3.8	3.9	4.1	4.3	4.3	4.3	4.3
72.5°	3.7	4.0	4.2	4.3	4.1	4.1	4.2	4.3	4.3	4.3	4.3
70°	4.3	4.1	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
67.5°	5.2	4.6	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.3	4.3
65°	10.1	6.6	4.3	4.3	4.3	4.3	4.3	4.5	4.6	4.5	4.3
62.5°	14.1	10.1	6.9	4.9	4.3	4.3	4.3	4.5	4.7	4.7	4.4
60°	17.1	12.5	9.4	7.0	5.1	4.3	4.4	4.5	4.7	4.9	4.7
57.5°	16.5	13.8	11.4	8.9	6.7	4.9	4.4	4.6	4.8	4.9	4.9
55°	14.5	12.5	12.6	10.6	8.1	6.0	4.8	4.6	4.8	5.0	5.1
52.5°	11.4	11.8	12.7	11.9	9.5	7.1	5.6	4.7	4.8	5.0	5.1
50°	9.2	10.9	12.7	12.8	10.8	8.3	6.4	5.2	4.9	5.1	5.1
47.5°	9.4	10.9	12.2	13.7	12.4	9.4	7.2	5.8	4.9	5.1	5.1
45°	10.8	12.0	12.5	13.5	13.8	10.5	8.0	6.2	5.3	5.1	5.1
42.5°	12.9	13.8	14.2	13.5	13.8	11.5	8.7	6.8	5.6	5.2	5.1
40°	17.6	16.2	16.3	16.0	14.0	12.2	9.3	7.2	5.8	5.3	5.2
37.5°	23.2	20.4	18.8	20.4	15.7	12.8	9.8	7.6	6.2	5.6	5.3
35°	30.4	26.1	24.8	26.2	21.2	13.9	10.0	7.9	6.8	5.8	5.4
32.5°	38.6	37.8	37.6	32.8	28.3	15.5	10.8	8.8	7.5	6.1	5.5
30°	58.1	58.6	55.5	40.4	36.2	22.0	12.7	10.0	8.4	6.3	5.7
27.5°	91.1	83.1	77.7	56.2	43.5	29.9	15.3	11.3	9.3	6.7	5.9
25°	126.4	112.8	101.5	77.6	51.5	40.2	17.9	12.7	10.3	7.4	6.0
22.5°	168.1	143.3	127.8	102.0	64.4	51.8	23.4	14.9	11.4	8.1	6.2
20°	209.6	173.6	156.5	125.0	83.3	62.5	32.2	17.1	12.6	8.8	6.4
17.5°	256.2	211.9	187.6	148.3	104.0	74.4	41.6	19.1	13.9	9.6	6.5
15°	348.3	259.9	221.6	174.0	123.1	87.2	51.2	21.0	15.2	10.3	6.7
12.5°	459.7	307.8	258.0	201.4	140.6	100.6	60.8	22.9	16.5	11.1	7.0
10°	582.3	355.3	296.0	229.7	156.5	114.2	70.2	25.6	18.0	11.9	7.3
7.5°	710.3	401.7	334.6	258.0	174.3	135.2	93.1	30.4	19.6	12.7	7.6
5°	834.9	446.0	376.6	300.1	208.4	163.2	118.9	35.4	21.1	13.4	7.9
2.5°	940.0	486.9	418.5	342.1	241.8	190.2	144.5	40.3	22.5	14.0	8.2
0°	1030.3	525.0	457.7	381.2	274.0	216.1	168.5	45.1	23.8	14.5	8.5
-2.5°	960.0	527.4	462.2	396.1	298.1	237.0	181.9	57.1	30.9	18.3	10.2
-5°	877.7	527.6	465.3	408.7	320.4	256.3	192.4	68.4	37.7	21.9	11.9
-7.5°	873.2	529.7	469.1	418.9	340.7	273.5	199.9	78.7	44.0	25.2	13.4
-10°	862.3	532.0	473.7	421.0	344.9	280.0	203.1	87.8	49.6	28.1	14.7
-12.5°	818.2	531.8	477.5	420.3	343.7	276.9	196.8	94.9	54.5	30.6	15.8
-15°	736.3	529.0	480.7	416.8	339.7	272.4	189.5	100.4	59.6	33.3	16.7
-17.5°	606.8	523.8	483.5	410.2	332.4	266.6	181.6	104.6	63.9	36.4	17.9
-20°	548.5	506.2	483.8	400.7	321.8	259.5	173.7	107.4	67.3	38.8	19.4



REPORT NUMBER: P701340 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	510.7	479.8	451.8	387.8	309.7	251.2	166.1	108.6	69.6	40.3	20.3
-25°	469.9	452.1	419.0	360.8	298.6	238.5	162.6	108.3	70.8	40.9	20.6
-27.5°	436.1	422.2	390.7	334.8	281.9	227.5	161.4	109.2	71.1	40.5	20.3
-30°	404.4	393.1	362.6	311.2	264.4	210.9	158.1	108.8	70.6	39.9	19.3
-32.5°	386.0	370.9	335.7	291.0	245.0	193.5	148.6	106.8	68.8	38.8	18.8
-35°	376.2	349.5	311.2	270.1	224.9	178.8	136.8	103.3	65.6	36.8	18.3
-37.5°	365.2	327.3	287.9	248.3	204.6	163.4	126.3	94.2	61.0	33.7	17.2
-40°	340.0	303.2	264.8	226.1	186.3	147.3	114.8	84.4	56.2	29.6	15.8
-42.5°	313.5	277.2	240.9	203.9	168.1	133.6	102.5	73.8	48.8	26.5	13.8
-45°	284.3	250.4	216.4	183.3	149.9	119.0	90.1	62.9	40.7	23.8	12.3
-47.5°	254.5	223.5	192.8	162.3	132.7	103.7	76.9	53.3	32.2	20.4	11.9
-50°	225.9	197.7	170.1	142.9	115.1	88.3	63.7	43.2	27.3	16.0	11.3
-52.5°	202.4	173.4	148.9	124.0	97.6	72.2	51.9	33.1	22.1	13.9	10.7
-55°	179.2	151.2	128.9	104.0	79.2	58.1	39.6	27.0	16.7	12.9	9.9
-57.5°	158.2	131.1	106.4	82.6	62.2	44.1	30.5	20.6	14.5	11.7	9.5
-60°	135.6	106.3	81.8	63.1	45.9	32.5	23.1	15.7	13.2	10.7	8.9
-62.5°	104.3	79.5	60.5	44.4	32.9	24.1	16.6	14.3	11.8	10.0	8.3
-65°	74.3	55.6	39.9	31.5	23.3	17.2	15.0	12.7	10.9	9.3	7.8
-67.5°	45.1	36.4	28.0	20.5	17.3	15.3	13.3	11.6	10.1	8.6	7.4
-70°	30.1	22.8	19.1	17.1	15.3	13.5	12.1	10.7	9.3	8.0	6.9
-72.5°	20.5	18.5	16.6	14.9	13.4	12.0	10.9	9.8	8.5	7.4	6.4
-75°	17.1	15.5	14.0	12.7	11.5	10.5	9.7	8.8	7.8	6.8	6.1
-77.5°	13.6	12.4	11.4	10.5	9.8	9.1	8.5	7.9	7.0	6.4	5.8
-80°	10.6	10.0	9.3	8.7	8.1	7.7	7.4	7.1	6.5	6.0	5.5
-82.5°	8.4	7.9	7.4	7.0	6.8	6.6	6.5	6.4	6.0	5.6	5.2
-85°	6.6	6.3	5.9	5.5	5.5	5.6	5.7	5.9	5.6	5.3	5.0
-87.5°	5.6	5.4	5.2	5.1	5.2	5.3	5.4	5.5	5.2	5.0	4.7
-90°	2.8	3.0	3.2	3.4	3.4	3.4	3.4	3.4	3.6	3.9	4.1



REPORT NUMBER: P701340 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
82.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
80°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
77.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
75°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
72.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
70°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
67.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
65°	4.4	4.3	4.3	4.3	4.3	4.3	4.3
62.5°	4.4	4.4	4.3	4.3	4.3	4.3	4.3
60°	4.5	4.5	4.3	4.3	4.3	4.3	4.3
57.5°	4.6	4.5	4.4	4.3	4.3	4.3	4.3
55°	4.8	4.6	4.5	4.3	4.3	4.3	4.3
52.5°	4.9	4.7	4.5	4.3	4.3	4.3	4.3
50°	5.0	4.8	4.6	4.3	4.3	4.3	4.3
47.5°	5.1	4.9	4.7	4.3	4.3	4.3	4.3
45°	5.1	5.0	4.8	4.4	4.3	4.3	4.3
42.5°	5.1	5.0	4.9	4.5	4.3	4.3	4.3
40°	5.1	5.1	5.0	4.5	4.3	4.3	4.3
37.5°	5.1	5.1	5.0	4.6	4.3	4.3	4.3
35°	5.1	5.1	5.1	4.7	4.3	4.3	4.3
32.5°	5.1	5.1	5.1	4.7	4.3	4.3	4.3
30°	5.2	5.1	5.1	4.8	4.3	4.3	4.3
27.5°	5.3	5.1	5.1	4.8	4.3	4.3	4.3
25°	5.4	5.1	5.1	4.9	4.3	4.3	4.3
22.5°	5.5	5.1	5.1	4.9	4.3	4.3	4.3
20°	5.7	5.2	5.1	5.0	4.3	4.3	4.3
17.5°	5.8	5.3	5.1	5.0	4.3	4.3	4.3
15°	6.0	5.4	5.1	5.0	4.3	4.3	4.3
12.5°	6.1	5.5	5.1	5.0	4.3	4.3	4.3
10°	6.3	5.6	5.1	5.1	4.3	4.3	4.3
7.5°	6.4	5.7	5.1	5.1	4.3	4.3	4.3
5°	6.6	5.8	5.1	5.1	4.3	4.3	4.3
2.5°	6.7	5.9	5.1	5.1	4.3	4.3	4.3
0°	6.8	6.0	5.1	5.1	4.3	4.3	4.3
-2.5°	7.2	6.1	5.2	5.1	4.3	4.3	4.3
-5°	7.7	6.2	5.3	5.1	4.4	4.3	4.3
-7.5°	8.1	6.2	5.3	5.1	4.4	4.3	4.3
-10°	8.4	6.3	5.4	5.1	4.4	4.3	4.3
-12.5°	8.7	6.3	5.5	5.1	4.5	4.3	4.3
-15°	8.9	6.4	5.5	5.0	4.5	4.3	4.3
-17.5°	9.0	6.4	5.5	5.0	4.5	4.3	4.3
-20°	9.3	6.4	5.6	5.0	4.5	4.3	4.3



REPORT NUMBER: P701340 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	9.9	6.5	5.6	5.0	4.6	4.3	4.3
-25°	10.2	6.6	5.6	5.0	4.6	4.3	4.3
-27.5°	10.3	6.8	5.6	5.0	4.6	4.3	4.3
-30°	10.1	7.0	5.5	5.0	4.6	4.3	4.3
-32.5°	9.6	7.0	5.6	5.0	4.6	4.3	4.3
-35°	9.5	7.1	5.6	5.0	4.6	4.3	4.3
-37.5°	9.5	7.1	5.6	5.1	4.6	4.3	4.3
-40°	9.4	7.1	5.5	5.1	4.6	4.3	4.3
-42.5°	9.3	7.0	5.5	5.1	4.6	4.3	4.3
-45°	9.0	6.9	5.6	5.1	4.5	4.3	4.3
-47.5°	8.7	6.8	5.6	5.2	4.5	4.3	4.3
-50°	8.4	6.6	5.6	5.1	4.5	4.3	4.3
-52.5°	8.2	6.4	5.6	5.0	4.4	4.3	4.3
-55°	7.9	6.3	5.5	5.0	4.4	4.3	4.3
-57.5°	7.5	6.2	5.5	4.9	4.3	4.3	4.3
-60°	7.2	6.1	5.4	4.8	4.3	4.3	4.3
-62.5°	6.9	6.0	5.3	4.7	4.3	4.3	4.3
-65°	6.6	5.8	5.2	4.7	4.3	4.3	4.3
-67.5°	6.3	5.6	5.1	4.6	4.3	4.3	4.3
-70°	6.0	5.4	5.0	4.5	4.3	4.3	4.3
-72.5°	5.7	5.3	4.8	4.5	4.3	4.3	4.3
-75°	5.5	5.1	4.7	4.4	4.3	4.3	4.3
-77.5°	5.3	4.9	4.6	4.4	4.3	4.3	4.3
-80°	5.1	4.8	4.6	4.4	4.3	4.3	4.3
-82.5°	4.9	4.7	4.5	4.4	4.3	4.3	4.3
-85°	4.7	4.6	4.4	4.4	4.3	4.3	4.3
-87.5°	4.5	4.4	4.4	4.3	4.3	4.3	4.3
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

