

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: P701321 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-70-2S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701321 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-9)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-70-2S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

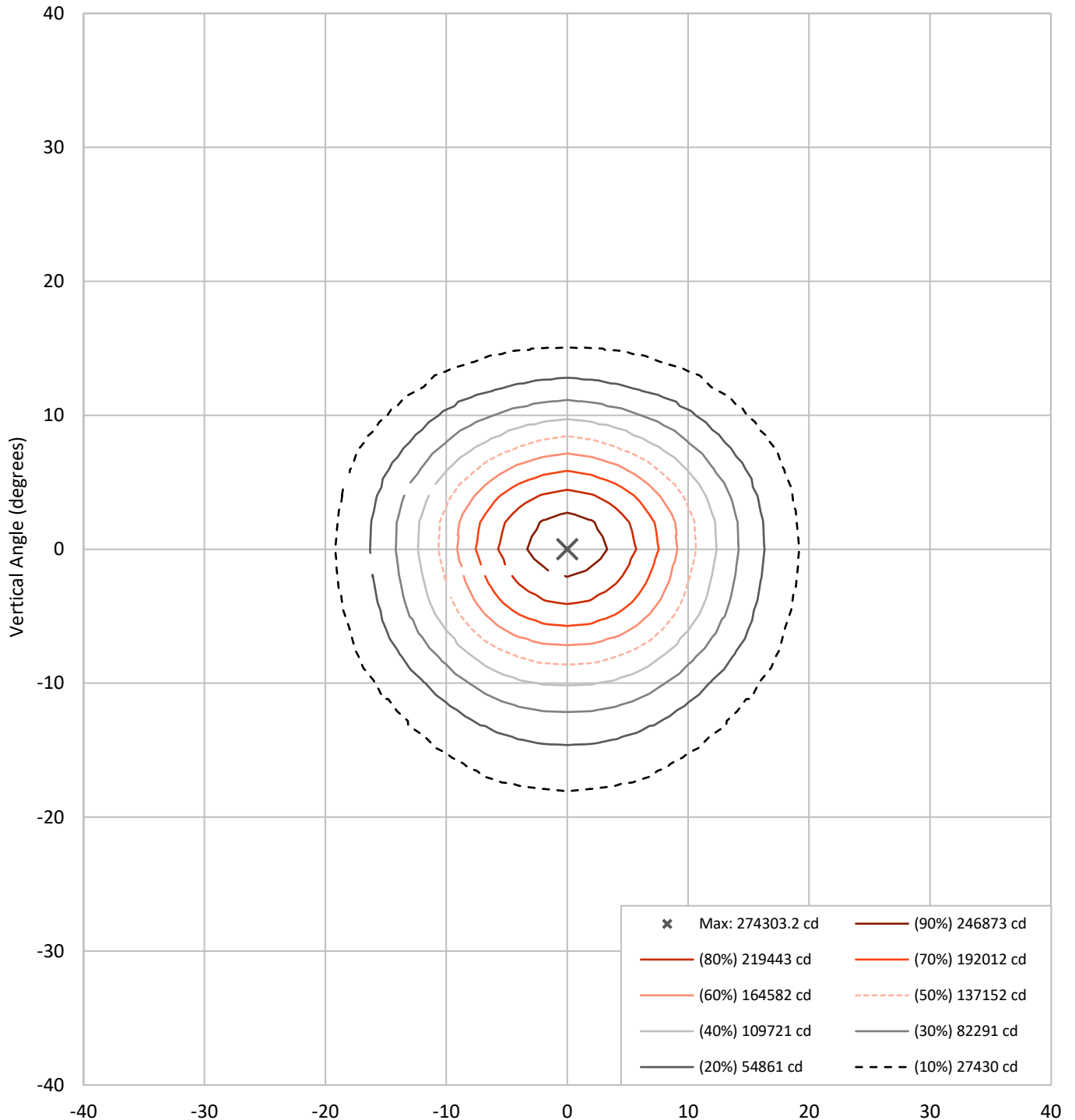
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	36997.8 lumens	Max Intensity:	274303.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	106.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.3°H x 17°V	Field Angle (10%):	38.4°H x 32.9°V
Beam Lumens:	16191.1 lumens	Field Lumens:	31339.1 lumens
Beam Efficiency:	43.8%	Field Efficiency:	84.7%

Input Watts (W): 346.9
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





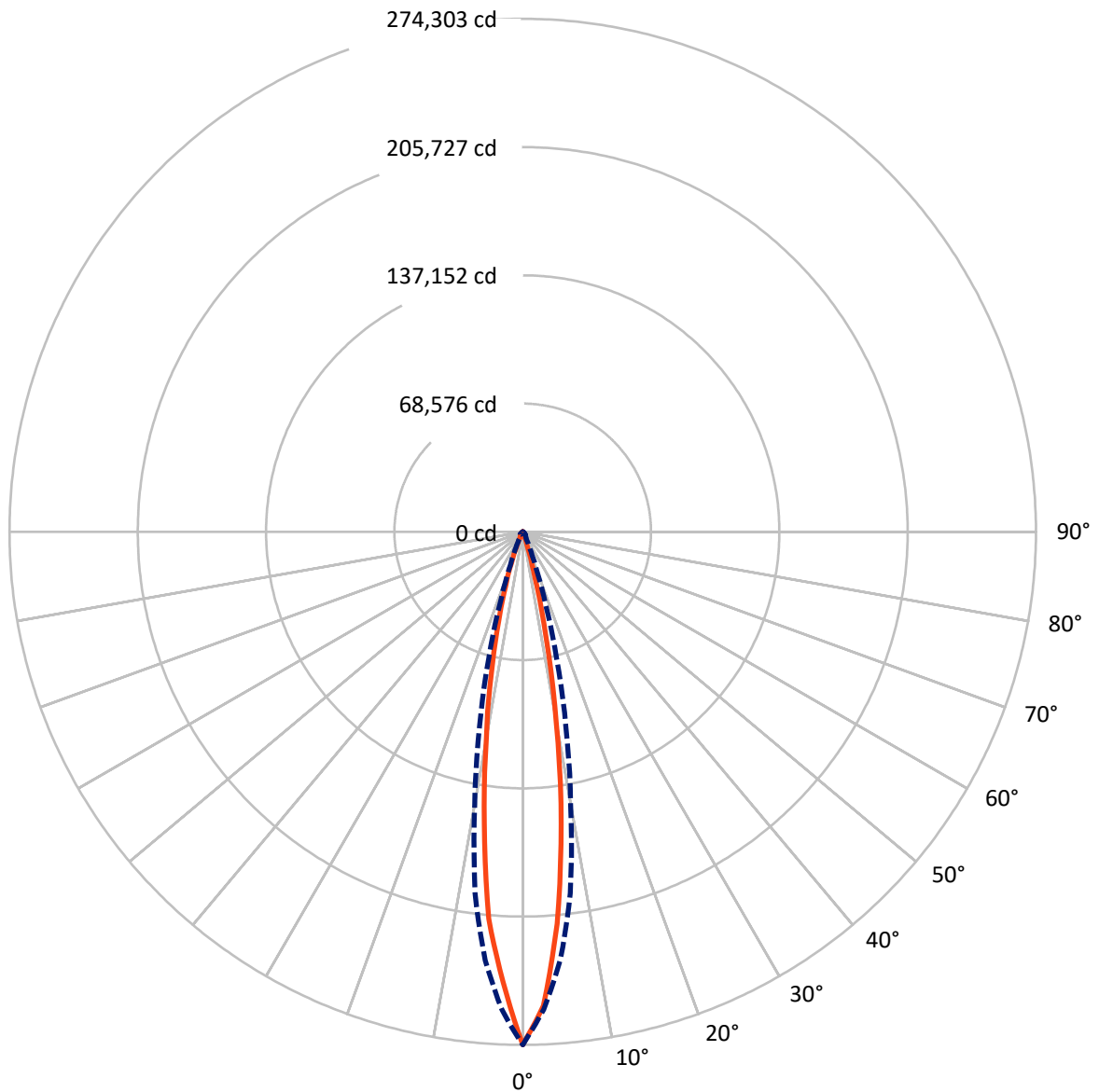
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Lumen Table

90																
80	0.1	0.3		0.4		0.5		0.6		0.5		0.4		0.3		0.1
70																
60	0.1	0.1	0.1	0.4	0.5	0.3	0.1	0.1	0.1	0.1	0.3	0.5	0.4	0.1	0.1	0.1
50		0.1	0.2	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.2	0.1	
40	0.1	0.1	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.1	0.1
30		0.2	0.4	0.5	1.0	1.4	1.6	1.8	1.8	1.6	1.4	1.0	0.5	0.4	0.2	
20	0.2	0.3	1.0	2.4	4.6	5.9	10.5	22.2	22.2	10.5	5.9	4.6	2.4	1.0	0.3	0.2
10		0.7	3.4	11.4	23.8	43.1	297.7	916.8	916.8	297.7	43.1	23.8	11.4	3.4	0.7	
0	0.2	1.3	7.1	27.7	55.4	176.0	1718.5	5108.4	5108.4	1718.5	176.0	55.4	27.7	7.1	1.3	0.2
-10		1.7	8.4	32.3	63.3	183.7	1754.1	5135.9	5135.9	1754.1	183.7	63.3	32.3	8.4	1.7	
-20	0.4	1.8	7.3	24.2	48.9	79.3	484.4	1438.9	1438.9	484.4	79.3	48.9	24.2	7.3	1.8	0.4
-30		1.8	6.2	14.3	36.4	51.6	78.0	163.8	163.8	78.0	51.6	36.4	14.3	6.2	1.8	
-40	0.3	1.6	5.0	9.9	22.3	42.6	54.2	58.3	58.3	54.2	42.6	22.3	9.9	5.0	1.6	0.3
-50		1.1	3.7	7.9	13.5	21.8	35.4	46.0	46.0	35.4	21.8	13.5	7.9	3.7	1.1	
-60	0.2	0.5	2.1	5.0	9.1	13.3	16.4	18.2	18.2	16.4	13.3	9.1	5.0	2.1	0.5	0.2
-70		0.2	0.7	2.1	4.1	6.3	8.5	9.9	9.9	8.5	6.3	4.1	2.1	0.7	0.2	
-80	0.1	0.7		1.9		4.6		7.2		4.6		1.9		0.7		0.1
-90																

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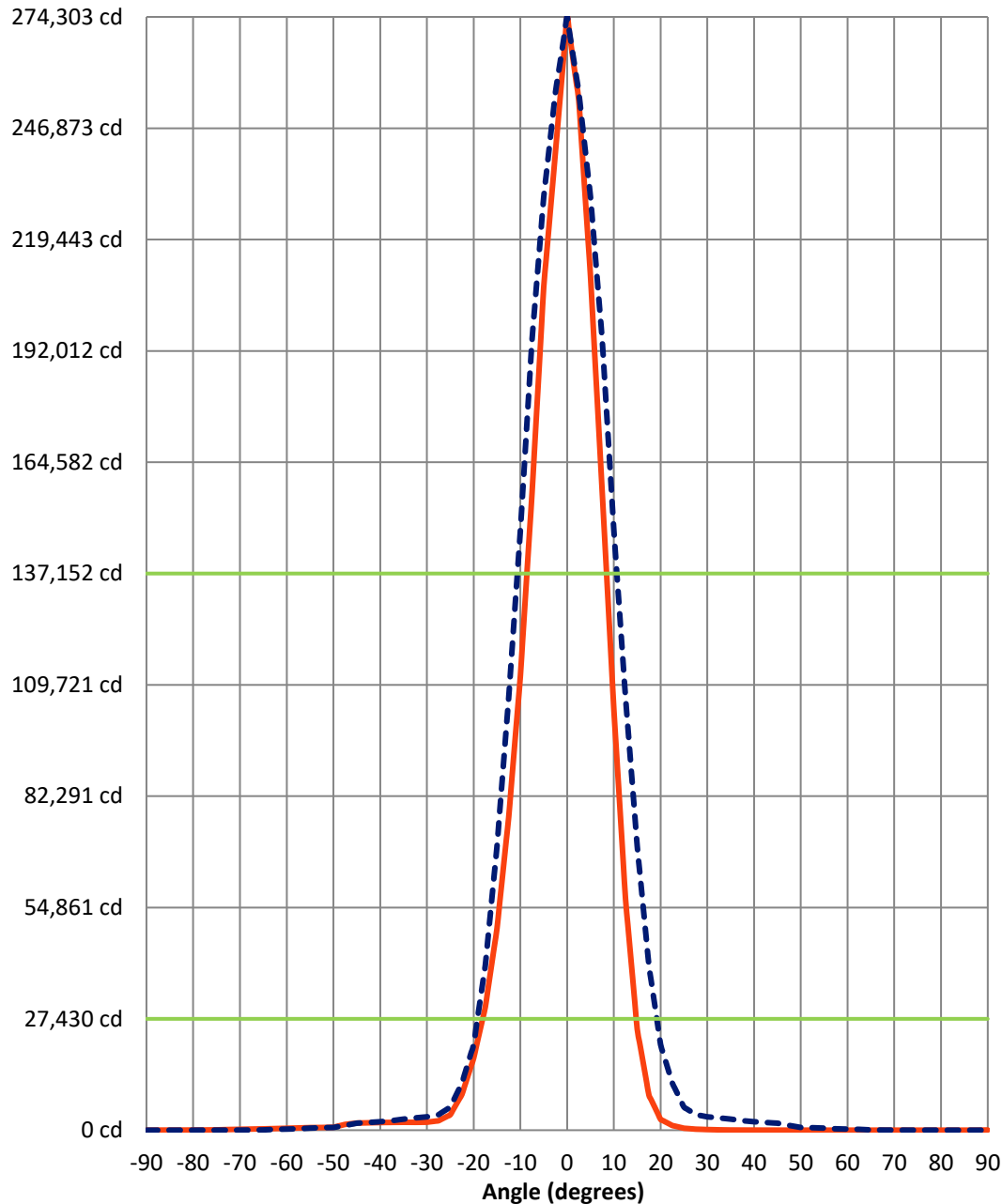
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 21.3°
 V Angle: 17°
 Lumens: 16191.1
 Efficiency: 43.8%

Field:
 H Angle: 38.4°
 V Angle: 32.9°
 Lumens: 31339.1
 Efficiency: 84.7%

Spill:
 Lumens: 5658.7
 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°	4.6	4.6	4.6	4.9	5.2	5.4	5.7	6.0	6.3	6.5	6.8
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.4	4.2	4.0	3.9
85°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.4	4.4	4.4
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
80°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
77.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
75°	4.6	4.6	4.6	4.6	4.6	4.7	4.6	4.6	4.6	4.6	4.6
72.5°	4.6	4.6	4.6	4.6	4.7	4.8	4.7	4.6	4.6	4.6	4.6
70°	4.6	4.6	4.6	4.6	4.8	4.8	4.7	4.6	4.6	4.6	4.6
67.5°	4.6	4.6	4.6	4.7	4.9	4.9	4.7	4.6	4.6	4.8	4.7
65°	4.6	4.6	4.6	4.8	5.0	5.0	4.7	4.6	4.8	5.0	4.8
62.5°	4.6	4.6	4.6	5.0	5.2	5.0	4.8	4.8	5.1	5.1	4.9
60°	4.6	4.6	4.6	5.1	5.3	5.1	4.8	5.1	5.4	5.2	4.9
57.5°	4.6	4.6	4.7	5.2	5.3	5.1	5.1	5.4	5.5	5.2	5.3
55°	4.6	4.6	4.8	5.3	5.3	5.1	5.3	5.7	5.5	5.4	5.7
52.5°	4.6	4.6	4.8	5.4	5.4	5.2	5.6	5.8	5.6	5.8	6.2
50°	4.6	4.6	4.9	5.5	5.4	5.4	5.9	5.9	5.7	6.2	7.1
47.5°	4.6	4.6	5.0	5.6	5.4	5.6	6.1	6.1	6.1	6.6	8.0
45°	4.6	4.6	5.1	5.7	5.5	5.8	6.3	6.2	6.5	7.1	8.6
42.5°	4.6	4.6	5.1	5.7	5.5	6.1	6.4	6.5	6.9	7.5	9.5
40°	4.6	4.6	5.2	5.7	5.6	6.3	6.6	6.9	7.3	7.8	10.4
37.5°	4.6	4.6	5.2	5.7	5.8	6.5	6.8	7.2	7.9	8.6	11.1
35°	4.6	4.6	5.3	5.8	5.9	6.6	7.1	7.6	8.5	9.9	11.5
32.5°	4.6	4.6	5.4	5.8	6.1	6.8	7.3	7.9	9.2	11.1	12.5
30°	4.6	4.6	5.4	5.9	6.2	7.0	7.6	8.3	9.9	12.3	13.7
27.5°	4.6	4.6	5.5	5.9	6.3	7.2	7.9	8.9	10.8	13.5	15.0
25°	4.6	4.6	5.5	6.0	6.4	7.4	8.1	9.5	11.8	14.7	16.6
22.5°	4.6	4.6	5.5	6.1	6.5	7.5	8.4	10.1	12.8	15.9	19.7
20°	4.6	4.6	5.6	6.1	6.6	7.6	8.6	10.7	13.8	17.2	23.2
17.5°	4.6	4.6	5.6	6.2	6.7	7.7	8.9	11.3	14.7	18.6	27.0
15°	4.6	4.6	5.6	6.3	6.7	7.8	9.1	11.8	15.6	20.0	30.9
12.5°	4.6	4.6	5.6	6.4	6.8	7.9	9.3	12.2	16.5	21.4	34.9
10°	4.6	4.6	5.7	6.5	6.8	7.9	9.5	12.6	17.4	23.8	39.7
7.5°	4.6	4.6	5.7	6.6	6.8	7.9	9.7	13.0	18.3	26.4	46.0
5°	4.6	4.6	5.7	6.6	6.8	8.0	9.9	13.3	19.1	29.1	52.3
2.5°	4.6	4.6	5.7	6.7	6.8	8.0	10.1	13.5	19.8	31.7	58.3
0°	4.6	4.6	5.7	6.8	6.8	8.0	10.3	13.7	20.5	34.2	63.9
-2.5°	4.6	4.6	5.7	6.9	7.0	8.2	11.2	16.4	25.8	42.3	74.2
-5°	4.6	4.6	5.8	6.9	7.2	8.5	12.0	18.9	30.9	50.1	83.9
-7.5°	4.6	4.7	5.8	7.0	7.4	8.7	12.8	21.2	35.7	57.3	92.7
-10°	4.6	4.7	5.9	7.1	7.6	8.9	13.5	23.3	40.0	63.9	100.5
-12.5°	4.6	4.7	5.9	7.1	7.8	9.1	14.0	25.1	43.7	69.7	107.3
-15°	4.6	4.7	5.9	7.2	7.9	9.3	14.5	26.5	47.0	74.7	112.9
-17.5°	4.6	4.8	5.9	7.2	8.1	9.5	14.7	27.9	50.0	78.8	117.2
-20°	4.6	4.8	5.9	7.2	8.2	9.6	15.0	29.1	52.2	82.1	120.3



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 CATALOG NUMBER: EPH-LS-08-0320L-40-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.6	4.8	6.0	7.2	8.3	9.8	15.4	29.7	53.6	84.5	122.0
-25°	4.6	4.8	6.0	7.2	8.4	10.0	15.5	29.7	54.2	85.8	122.3
-27.5°	4.6	4.8	6.0	7.2	8.5	10.2	15.2	29.0	53.8	86.3	123.3
-30°	4.6	4.8	6.0	7.2	8.5	10.3	14.6	27.5	52.9	85.6	123.2
-32.5°	4.6	4.8	5.9	7.2	8.6	10.3	13.7	26.5	51.1	83.8	121.7
-35°	4.6	4.9	5.9	7.2	8.6	10.3	13.4	25.4	48.2	80.6	118.8
-37.5°	4.6	4.9	5.9	7.2	8.6	10.3	13.4	23.7	44.2	76.2	110.4
-40°	4.6	4.9	5.9	7.1	8.6	10.3	13.2	21.5	39.1	70.6	100.8
-42.5°	4.6	4.9	5.9	7.1	8.5	10.2	12.9	18.8	35.1	61.7	90.1
-45°	4.6	4.9	5.8	7.0	8.5	10.1	12.6	16.8	31.4	51.9	78.5
-47.5°	4.6	4.9	5.8	7.0	8.4	10.0	12.1	16.2	26.9	41.6	66.8
-50°	4.6	4.9	5.8	6.9	8.3	9.9	11.8	15.4	21.2	35.2	54.5
-52.5°	4.6	4.9	5.7	6.8	8.1	9.7	11.6	14.4	18.4	28.5	42.1
-55°	4.6	4.9	5.7	6.7	8.0	9.5	11.3	13.4	17.0	21.4	34.1
-57.5°	4.6	4.8	5.6	6.6	7.8	9.3	11.0	13.0	15.5	18.6	25.9
-60°	4.6	4.8	5.6	6.5	7.6	9.0	10.7	12.5	14.1	16.9	19.6
-62.5°	4.6	4.8	5.5	6.4	7.4	8.8	10.3	11.9	13.4	15.3	17.8
-65°	4.6	4.8	5.4	6.2	7.2	8.5	9.9	11.3	12.7	14.2	16.1
-67.5°	4.6	4.8	5.4	6.1	7.0	8.1	9.4	10.8	11.9	13.2	14.7
-70°	4.6	4.8	5.3	6.0	6.8	7.8	9.0	10.2	11.3	12.2	13.5
-72.5°	4.6	4.8	5.2	5.8	6.5	7.4	8.5	9.7	10.7	11.6	12.4
-75°	4.6	4.7	5.1	5.7	6.3	7.0	7.9	9.1	10.2	11.1	11.9
-77.5°	4.6	4.7	5.1	5.6	6.1	6.6	7.4	8.4	9.5	10.5	11.4
-80°	4.6	4.7	5.0	5.4	5.9	6.4	6.8	7.8	8.7	9.7	10.6
-82.5°	4.6	4.7	4.9	5.3	5.7	6.1	6.5	7.2	8.0	8.8	9.7
-85°	4.6	4.6	4.8	5.2	5.5	5.9	6.3	6.8	7.4	8.0	8.7
-87.5°	4.6	4.6	4.7	5.0	5.3	5.7	6.0	6.4	6.8	7.3	7.8
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.3	4.0	3.7	3.4



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 CATALOG NUMBER: EPH-LS-08-0320L-40-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6.8	6.8	6.8	6.8	7.1	7.4	7.7	8.0	8.3	8.5	8.8
87.5°	3.8	3.7	3.6	3.4	3.4	3.4	3.4	3.4	3.1	2.9	2.6
85°	4.2	4.0	3.8	3.6	3.6	3.6	3.5	3.4	3.3	3.1	3.1
82.5°	4.4	4.3	4.3	4.3	4.2	4.0	3.7	3.4	3.4	3.4	3.4
80°	4.6	4.6	4.6	4.6	4.4	4.1	3.8	3.5	3.4	3.4	3.5
77.5°	4.6	4.6	4.6	4.6	4.4	4.2	4.1	4.1	4.1	4.0	3.8
75°	4.6	4.6	4.6	4.6	4.5	4.5	4.6	4.6	4.5	4.4	4.4
72.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	5.5	6.8	7.6
70°	4.6	4.6	4.6	4.6	4.6	5.0	6.7	8.9	11.1	12.4	13.8
67.5°	4.6	4.6	4.6	4.8	6.0	7.9	10.4	15.2	20.6	22.2	22.2
65°	4.6	4.6	5.2	6.3	7.8	11.7	16.9	23.3	28.2	27.4	25.4
62.5°	4.6	5.1	6.2	8.1	11.3	16.1	21.0	25.7	30.6	29.2	24.8
60°	5.1	5.8	7.9	11.1	14.5	17.9	22.6	25.6	28.2	28.3	21.8
57.5°	5.6	7.0	10.2	13.5	16.2	18.4	20.4	22.7	23.5	22.9	16.6
55°	6.5	8.9	12.2	15.2	17.0	16.1	17.0	17.5	17.2	15.7	11.0
52.5°	8.0	10.6	13.9	16.3	16.4	14.3	12.8	12.8	11.7	9.6	8.1
50°	9.2	12.2	15.4	16.7	15.5	12.3	9.7	9.4	8.6	7.6	6.8
47.5°	10.5	13.7	16.6	17.0	13.9	11.3	8.9	8.1	7.6	7.4	7.1
45°	11.7	14.7	17.6	15.8	13.1	11.2	9.6	8.0	8.1	8.1	7.7
42.5°	12.7	15.3	16.6	14.7	13.4	12.1	10.9	9.7	9.1	9.3	9.3
40°	13.2	15.7	15.8	15.4	14.2	13.8	13.6	12.7	10.8	11.7	12.0
37.5°	13.3	15.4	16.2	17.4	16.0	16.5	17.0	17.3	16.0	15.1	17.4
35°	13.4	15.7	18.9	20.7	19.8	20.3	22.3	23.1	22.6	22.2	26.4
32.5°	13.6	16.5	22.7	24.8	26.2	26.9	28.6	30.2	31.8	34.4	42.2
30°	15.2	20.1	27.2	29.6	34.1	39.0	37.8	38.6	42.8	58.3	71.7
27.5°	18.5	24.9	31.7	36.7	44.0	54.5	56.1	51.5	65.0	88.7	110.7
25°	22.5	40.1	36.6	45.2	59.2	73.2	79.7	82.7	98.6	130.5	155.3
22.5°	30.9	60.5	59.0	54.5	76.7	94.9	110.9	142.8	187.6	197.6	202.9
20°	45.8	80.6	86.3	90.9	102.9	119.4	147.2	223.4	318.7	353.8	317.4
17.5°	63.4	102.6	116.9	137.8	165.1	170.3	193.2	319.5	483.5	540.7	551.8
15°	83.1	126.2	149.3	190.3	231.7	251.5	318.1	475.0	663.8	757.3	822.0
12.5°	104.4	151.0	183.2	247.0	301.8	333.1	475.2	714.4	895.7	1004.9	1175.8
10°	126.4	176.5	218.0	306.6	374.4	414.6	648.8	961.7	1144.4	1268.5	1488.4
7.5°	149.2	201.1	252.5	367.5	448.3	495.8	831.5	1211.3	1386.5	1521.9	1743.3
5°	171.1	223.8	283.2	418.8	509.5	566.0	1000.9	1456.1	1621.8	1765.2	1963.6
2.5°	191.2	245.4	313.0	465.9	560.9	619.0	1097.2	1596.0	1771.7	1942.5	2159.7
0°	208.8	265.9	341.2	509.0	609.4	669.9	1175.5	1717.6	1899.1	2085.1	2345.3
-2.5°	211.4	272.1	349.9	505.0	600.4	662.1	1155.0	1698.8	1919.5	2136.5	2408.2
-5°	211.2	276.6	356.4	497.1	588.6	651.9	1114.8	1656.0	1912.0	2127.3	2382.3
-7.5°	208.8	279.4	360.3	485.4	570.4	629.1	1037.6	1550.6	1819.0	2008.7	2253.7
-10°	204.7	278.4	354.8	465.4	544.6	598.2	938.8	1426.1	1721.2	1887.5	2105.4
-12.5°	199.3	274.4	346.4	444.2	519.4	566.6	824.3	1284.9	1621.0	1767.2	1945.5
-15°	193.2	269.4	336.4	422.3	495.8	534.8	695.3	1129.3	1522.2	1673.9	1813.6
-17.5°	186.7	263.5	325.0	400.7	474.5	503.1	556.1	959.7	1381.5	1572.5	1714.0
-20°	180.2	256.9	312.5	379.9	454.4	482.2	516.6	796.5	1176.8	1455.3	1605.0



REPORT NUMBER: P701321 (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°	174.1	249.8	300.8	362.9	431.8	470.8	497.3	637.0	960.7	1324.3	1488.6
-25°	171.7	239.1	291.0	347.1	410.3	460.3	479.5	502.9	763.8	1112.2	1370.8
-27.5°	171.2	230.2	280.2	330.0	388.9	446.6	466.6	483.9	616.9	899.3	1234.4
-30°	168.9	218.0	268.1	313.0	368.4	422.5	456.7	475.8	505.7	723.9	1002.8
-32.5°	161.5	205.2	253.8	298.6	347.1	399.3	448.5	472.0	496.5	556.5	790.2
-35°	151.9	193.4	238.6	282.8	325.3	376.7	427.3	468.9	487.3	515.3	612.7
-37.5°	142.9	180.4	223.0	265.8	306.9	353.3	404.5	451.2	483.4	505.0	539.9
-40°	132.6	166.3	207.3	248.3	287.9	330.0	377.6	425.8	469.4	506.6	533.3
-42.5°	121.2	153.7	190.5	230.2	267.4	307.2	349.3	396.0	445.4	496.5	534.3
-45°	108.2	139.8	173.0	209.0	245.0	282.5	322.3	364.2	414.4	466.3	516.9
-47.5°	94.1	124.4	156.0	186.4	220.6	255.9	293.2	334.1	378.5	427.7	479.7
-50°	79.3	107.5	136.9	165.0	194.7	227.6	261.9	301.2	342.5	385.6	432.3
-52.5°	64.8	89.4	116.6	143.7	170.0	198.0	230.2	265.5	303.5	343.4	382.3
-55°	49.6	72.0	95.4	120.9	146.2	170.6	197.4	229.1	261.7	297.8	332.4
-57.5°	38.0	54.4	75.0	96.9	120.8	144.7	168.8	192.7	221.4	251.4	279.8
-60°	28.5	39.8	55.2	74.3	94.0	116.4	140.1	162.7	184.6	205.4	229.9
-62.5°	20.1	29.0	39.3	52.2	69.5	87.4	107.8	129.5	151.6	169.6	186.1
-65°	18.3	20.3	27.2	36.6	45.8	61.5	77.7	93.9	112.8	130.1	146.4
-67.5°	16.4	18.2	20.0	23.2	31.6	40.6	49.6	63.8	77.9	90.4	102.7
-70°	14.9	16.2	17.7	19.3	21.1	24.9	32.7	40.6	48.5	57.7	68.6
-72.5°	13.5	14.8	15.9	16.9	18.4	20.2	22.1	24.1	28.7	35.0	41.5
-75°	12.6	13.5	14.6	15.6	16.5	17.5	18.7	20.4	22.0	23.3	24.5
-77.5°	11.9	12.5	13.2	14.2	14.9	15.5	16.2	17.1	18.2	19.5	20.7
-80°	11.0	11.4	11.8	12.3	12.9	13.3	13.8	14.2	14.8	15.6	16.5
-82.5°	10.0	10.2	10.5	10.8	10.9	11.2	11.5	11.8	12.2	12.6	13.0
-85°	8.9	9.1	9.3	9.4	9.4	9.4	9.4	9.4	9.6	9.8	10.0
-87.5°	7.9	7.9	8.0	8.1	8.2	8.1	8.1	8.0	8.1	8.1	8.2
-90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.1	2.9	2.6



REPORT NUMBER: P701321 (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°	9.1	9.1	9.1	9.1	9.1	12.2	15.4	18.5	21.7	27.1	32.5
87.5°	2.3	2.3	2.3	2.3	2.3	2.0	1.7	1.4	1.1	1.1	1.1
85°	3.0	2.9	2.7	2.5	2.3	2.3	2.2	2.2	2.2	2.0	1.7
82.5°	3.4	3.1	2.9	2.6	2.3	2.1	1.8	1.5	1.2	1.2	1.1
80°	3.4	3.2	2.9	2.6	2.3	2.2	2.2	2.1	2.1	2.2	2.2
77.5°	3.6	3.4	3.1	2.8	2.4	2.3	2.3	2.3	2.3	2.1	1.8
75°	4.5	4.4	4.3	4.0	3.5	3.3	3.1	2.8	2.4	2.3	2.2
72.5°	8.1	8.0	7.6	7.2	6.3	5.8	5.6	5.3	5.0	4.9	4.9
70°	14.3	14.1	13.3	11.7	9.5	8.1	7.5	6.8	6.0	5.7	5.6
67.5°	20.2	17.9	15.8	13.5	10.8	8.8	7.7	6.6	5.4	4.8	4.8
65°	22.4	17.9	14.8	12.3	10.3	8.5	7.0	5.6	4.4	3.8	4.0
62.5°	20.1	14.8	11.5	9.4	7.8	6.6	5.4	4.5	3.8	3.4	3.5
60°	15.9	10.8	7.9	6.6	5.5	4.7	4.1	3.5	3.0	2.7	2.8
57.5°	11.5	7.7	5.6	5.2	4.6	3.8	3.2	3.1	3.0	3.0	3.2
55°	7.8	6.4	5.7	5.1	4.5	3.8	3.4	3.4	3.4	3.4	3.4
52.5°	6.5	6.1	5.8	5.3	4.7	4.0	3.4	3.4	3.4	3.4	3.4
50°	6.5	6.2	5.9	5.5	4.9	4.2	3.5	3.5	3.8	4.1	4.1
47.5°	6.6	6.3	6.2	5.7	5.2	4.9	4.6	4.7	5.1	5.3	5.2
45°	7.0	7.0	6.9	6.9	6.4	6.5	6.6	6.6	8.1	8.1	7.1
42.5°	8.6	9.1	9.6	9.9	8.5	11.1	15.0	16.8	14.8	11.9	10.1
40°	12.9	13.6	16.2	17.5	21.5	25.4	21.9	17.7	15.9	17.2	18.3
37.5°	20.6	24.4	29.7	35.9	33.4	26.6	26.7	26.6	25.9	28.2	28.1
35°	34.4	43.1	48.4	47.2	43.7	41.7	43.5	45.5	41.1	45.0	46.0
32.5°	55.3	65.7	67.1	63.5	63.8	67.2	73.5	72.6	74.0	78.5	83.7
30°	79.8	92.2	97.0	90.5	85.8	94.0	97.6	100.7	110.8	124.1	136.0
27.5°	120.1	129.2	137.5	130.6	117.0	127.2	134.4	132.3	160.2	175.1	208.4
25°	170.8	183.6	188.4	190.9	186.2	184.3	202.4	211.6	250.1	290.9	360.3
22.5°	233.2	268.3	278.2	265.2	279.8	290.1	302.3	343.5	420.5	545.8	724.6
20°	312.5	384.1	441.7	432.4	398.0	441.9	491.6	621.5	846.5	1352.4	1766.4
17.5°	563.3	564.6	679.7	726.0	669.4	764.6	1008.5	1431.2	2361.2	4067.6	5173.9
15°	950.9	976.5	1029.5	1091.5	1193.3	1441.9	1933.2	3704.7	6372.6	10064.0	13851.8
12.5°	1361.8	1419.6	1510.3	1561.0	1768.8	2434.1	4541.1	8420.3	14051.7	21158.0	32946.1
10°	1714.9	1868.8	1985.6	2144.4	2680.3	4243.1	7878.8	14581.8	25933.5	41264.9	59384.8
7.5°	1964.5	2189.9	2387.4	2685.8	3798.9	6949.0	13046.9	24198.1	41344.2	62995.2	87973.4
5°	2215.6	2500.8	2722.3	3115.6	4513.2	8978.7	17093.4	33208.3	57967.0	87440.9	120846.8
2.5°	2470.7	2791.4	3035.3	3522.0	4970.2	10007.8	19146.4	38585.6	68958.8	104846.8	145404.1
0°	2727.6	3031.2	3288.0	3838.0	5680.0	11627.1	21080.1	40637.8	69983.0	106616.2	147783.5
-2.5°	2715.8	2916.2	3151.3	3577.6	5181.1	10703.3	19593.2	38405.5	66250.4	100229.6	137562.2
-5°	2612.5	2753.3	2939.6	3316.3	4635.2	8921.7	16945.6	32829.4	58513.9	89644.7	121823.5
-7.5°	2452.1	2570.2	2709.5	3020.4	4005.9	7100.9	13707.1	26330.9	46417.7	68971.7	93646.8
-10°	2298.2	2389.3	2488.3	2703.8	3337.0	5204.4	9724.2	17841.9	32311.9	49184.6	67962.6
-12.5°	2156.3	2229.0	2281.6	2372.7	2688.1	3769.6	6991.6	12796.7	21109.5	31561.3	45413.8
-15°	2011.8	2073.5	2100.6	2173.7	2380.1	2915.3	4214.2	7865.8	13196.2	19945.8	26969.6
-17.5°	1856.6	1929.8	1970.8	2017.7	2107.6	2329.3	3046.0	4581.4	7804.0	12335.3	16859.3
-20°	1729.0	1815.2	1850.3	1883.0	1965.8	2096.0	2300.6	2991.1	4168.2	6990.3	9803.4



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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°	1605.7	1683.4	1729.1	1799.2	1906.4	1996.5	2063.5	2228.0	2717.0	3487.0	4861.8
-25°	1493.6	1560.8	1650.9	1785.4	1890.4	1954.9	1967.5	1974.5	2113.9	2266.8	2730.9
-27.5°	1380.7	1476.0	1610.1	1761.9	1886.5	1918.0	1919.7	1917.3	1950.5	1973.7	2089.3
-30°	1280.2	1405.0	1531.6	1693.6	1814.9	1866.0	1887.7	1902.6	1919.7	1940.8	1948.5
-32.5°	1075.2	1330.2	1432.8	1562.5	1715.4	1796.2	1836.7	1871.4	1890.4	1908.8	1923.3
-35°	850.0	1119.1	1363.8	1447.6	1556.2	1693.0	1795.0	1836.4	1871.3	1891.0	1909.4
-37.5°	639.3	870.0	1107.9	1330.8	1441.6	1538.4	1668.6	1770.1	1834.1	1859.4	1881.6
-40°	563.4	623.3	833.4	1037.8	1233.1	1417.5	1525.7	1648.3	1746.2	1795.8	1834.3
-42.5°	560.4	582.5	603.9	747.5	928.8	1106.6	1274.7	1432.0	1577.3	1676.0	1749.1
-45°	559.8	575.5	593.4	614.9	636.5	775.3	930.6	1086.8	1246.2	1395.7	1529.7
-47.5°	523.4	562.4	583.9	601.0	615.4	633.8	654.7	694.2	823.9	954.6	1085.6
-50°	473.5	512.5	548.2	582.4	599.7	611.6	623.0	636.1	652.4	668.9	685.8
-52.5°	417.6	454.7	491.0	523.7	551.7	578.7	604.4	616.2	624.8	632.9	639.7
-55°	365.5	397.3	428.1	457.0	485.0	511.4	535.4	556.0	575.0	592.3	605.8
-57.5°	310.2	340.4	369.1	393.4	416.6	438.7	459.9	479.7	497.5	513.3	526.5
-60°	254.6	279.5	304.6	327.8	349.9	370.8	388.4	404.6	419.5	433.1	445.5
-62.5°	202.4	221.8	243.0	262.5	280.0	297.0	315.7	332.0	345.7	357.7	369.0
-65°	161.4	175.3	190.5	205.2	219.4	235.6	253.3	268.8	282.2	293.3	302.9
-67.5°	116.6	130.1	144.7	158.1	170.4	183.9	200.2	215.5	229.9	241.5	250.8
-70°	78.5	88.1	99.1	111.0	122.9	135.6	149.9	163.7	177.1	187.8	196.7
-72.5°	48.2	54.5	60.8	68.8	77.0	86.7	97.6	108.7	119.8	128.9	136.6
-75°	25.6	27.8	32.6	37.1	41.4	46.8	52.4	57.6	62.5	66.9	70.9
-77.5°	21.9	22.8	23.6	24.4	25.2	27.3	30.0	32.9	35.8	38.8	41.7
-80°	17.5	18.2	18.9	19.5	20.2	21.9	23.7	25.5	27.3	29.3	31.3
-82.5°	13.5	13.8	14.1	14.4	14.7	15.9	17.2	18.6	19.9	21.5	23.1
-85°	10.2	10.3	10.5	10.6	10.8	11.7	12.7	13.7	14.6	16.4	18.1
-87.5°	8.2	8.2	8.1	8.1	8.1	9.4	10.6	11.8	12.9	14.3	15.7
-90°	2.3	2.3	2.3	2.3	2.3	2.0	1.7	1.4	1.1	0.8	0.6



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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°	38.0	43.4	46.2	49.1	46.2	43.4	38.0	32.5	27.1	21.7	18.5
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
85°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.2	2.2
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.5
80°	2.3	2.3	1.7	1.1	1.7	2.3	2.3	2.2	2.2	2.1	2.1
77.5°	1.5	1.1	1.7	2.3	1.7	1.1	1.5	1.8	2.1	2.3	2.3
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.4	2.8
72.5°	4.8	4.6	4.6	4.6	4.6	4.6	4.8	4.9	4.9	5.0	5.3
70°	5.6	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.7	6.0	6.8
67.5°	4.7	4.6	4.1	3.4	4.1	4.6	4.7	4.8	4.8	5.4	6.6
65°	4.2	4.5	4.1	3.4	4.1	4.5	4.2	4.0	3.8	4.4	5.6
62.5°	3.5	3.5	3.4	3.4	3.4	3.5	3.5	3.5	3.4	3.8	4.5
60°	3.0	3.3	3.4	3.4	3.4	3.3	3.0	2.8	2.7	3.0	3.5
57.5°	3.3	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.0	3.0	3.1
55°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
52.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
50°	3.9	3.6	3.4	3.4	3.4	3.6	3.9	4.1	4.1	3.8	3.5
47.5°	5.0	4.7	4.6	4.6	4.6	4.7	5.0	5.2	5.3	5.1	4.7
45°	7.0	6.9	6.8	6.8	6.8	6.9	7.0	7.1	8.1	8.1	6.6
42.5°	10.2	10.2	10.2	10.3	10.2	10.2	10.2	10.1	11.9	14.8	16.8
40°	19.2	19.3	18.9	18.3	18.9	19.3	19.2	18.3	17.2	15.9	17.7
37.5°	28.0	28.2	28.2	28.5	28.2	28.2	28.0	28.1	28.2	25.9	26.6
35°	45.4	44.3	41.8	42.2	41.8	44.3	45.4	46.0	45.0	41.1	45.5
32.5°	87.0	85.8	81.0	84.5	81.0	85.8	87.0	83.7	78.5	74.0	72.6
30°	146.4	152.2	154.7	154.1	154.7	152.2	146.4	136.0	124.1	110.8	100.7
27.5°	225.4	238.2	246.3	251.1	246.3	238.2	225.4	208.4	175.1	160.2	132.3
25°	410.1	441.9	459.9	483.9	459.9	441.9	410.1	360.3	290.9	250.1	211.6
22.5°	917.0	1032.1	1105.3	1157.2	1105.3	1032.1	917.0	724.6	545.8	420.5	343.5
20°	2379.2	2369.7	2560.5	2663.7	2560.5	2369.7	2379.2	1766.4	1352.4	846.5	621.5
17.5°	7447.5	8631.1	8931.4	8674.7	8931.4	8631.1	7447.5	5173.9	4067.6	2361.2	1431.2
15°	19143.4	23096.8	24928.9	24903.3	24928.9	23096.8	19143.4	13851.8	10064.0	6372.6	3704.7
12.5°	41280.0	48915.3	53900.8	56916.8	53900.8	48915.3	41280.0	32946.1	21158.0	14051.7	8420.3
10°	74913.8	87993.5	98423.7	103663.7	98423.7	87993.5	74913.8	59384.8	41264.9	25933.5	14581.8
7.5°	111020.6	132183.9	150053.9	157471.7	150053.9	132183.9	111020.6	87973.4	62995.2	41344.2	24198.1
5°	152849.9	186523.9	203248.8	210455.6	203248.8	186523.9	152849.9	120846.8	87440.9	57967.0	33208.3
2.5°	187844.6	221422.3	244798.8	253683.0	244798.8	221422.3	187844.6	145404.1	104846.8	68958.8	38585.6
0°	194849.5	229951.7	255679.6	274303.2	255679.6	229951.7	194849.5	147783.5	106616.2	69983.0	40637.8
-2.5°	179971.5	214269.5	233068.6	240944.9	233068.6	214269.5	179971.5	137562.2	100229.6	66250.4	38405.5
-5°	156455.7	186896.9	204277.3	207768.0	204277.3	186896.9	156455.7	121823.5	89644.7	58513.9	32829.4
-7.5°	119560.3	140632.7	154341.5	157108.7	154341.5	140632.7	119560.3	93646.8	68971.7	46417.7	26330.9
-10°	86949.4	102142.7	110946.4	111899.0	110946.4	102142.7	86949.4	67962.6	49184.6	32311.9	17841.9
-12.5°	58095.4	70000.3	76226.7	77126.7	76226.7	70000.3	58095.4	45413.8	31561.3	21109.5	12796.7
-15°	36405.3	44148.9	48721.8	49713.1	48721.8	44148.9	36405.3	26969.6	19945.8	13196.2	7865.8
-17.5°	22431.2	26348.1	28746.6	30332.3	28746.6	26348.1	22431.2	16859.3	12335.3	7804.0	4581.4
-20°	13115.9	15655.8	17081.3	17729.4	17081.3	15655.8	13115.9	9803.4	6990.3	4168.2	2991.1



REPORT NUMBER: P701321 (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°	6584.7	7837.8	8691.3	8820.8	8691.3	7837.8	6584.7	4861.8	3487.0	2717.0	2228.0
-25°	3193.5	3542.5	3782.0	3795.8	3782.0	3542.5	3193.5	2730.9	2266.8	2113.9	1974.5
-27.5°	2183.7	2256.3	2303.2	2330.4	2303.2	2256.3	2183.7	2089.3	1973.7	1950.5	1917.3
-30°	1956.6	1967.4	1974.0	1965.2	1974.0	1967.4	1956.6	1948.5	1940.8	1919.7	1902.6
-32.5°	1928.2	1933.3	1936.8	1931.0	1936.8	1933.3	1928.2	1923.3	1908.8	1890.4	1871.4
-35°	1926.0	1940.1	1951.1	1948.1	1951.1	1940.1	1926.0	1909.4	1891.0	1871.3	1836.4
-37.5°	1897.8	1910.1	1918.4	1918.5	1918.4	1910.1	1897.8	1881.6	1859.4	1834.1	1770.1
-40°	1855.7	1872.7	1883.2	1883.1	1883.2	1872.7	1855.7	1834.3	1795.8	1746.2	1648.3
-42.5°	1784.1	1807.8	1819.0	1818.0	1819.0	1807.8	1784.1	1749.1	1676.0	1577.3	1432.0
-45°	1630.3	1706.7	1747.7	1751.8	1747.7	1706.7	1630.3	1529.7	1395.7	1246.2	1086.8
-47.5°	1214.8	1332.5	1404.7	1420.9	1404.7	1332.5	1214.8	1085.6	954.6	823.9	694.2
-50°	702.5	718.2	724.9	722.4	724.9	718.2	702.5	685.8	668.9	652.4	636.1
-52.5°	646.3	652.7	657.5	660.8	657.5	652.7	646.3	639.7	632.9	624.8	616.2
-55°	616.8	625.3	630.8	633.4	630.8	625.3	616.8	605.8	592.3	575.0	556.0
-57.5°	537.3	545.8	550.6	552.4	550.6	545.8	537.3	526.5	513.3	497.5	479.7
-60°	455.9	464.2	469.0	471.3	469.0	464.2	455.9	445.5	433.1	419.5	404.6
-62.5°	378.5	386.3	391.0	393.7	391.0	386.3	378.5	369.0	357.7	345.7	332.0
-65°	311.4	318.8	322.8	325.3	322.8	318.8	311.4	302.9	293.3	282.2	268.8
-67.5°	259.2	266.6	271.4	275.0	271.4	266.6	259.2	250.8	241.5	229.9	215.5
-70°	204.8	212.0	214.6	215.7	214.6	212.0	204.8	196.7	187.8	177.1	163.7
-72.5°	143.4	149.5	153.5	156.4	153.5	149.5	143.4	136.6	128.9	119.8	108.7
-75°	74.6	77.8	80.2	82.2	80.2	77.8	74.6	70.9	66.9	62.5	57.6
-77.5°	44.7	47.5	49.0	50.2	49.0	47.5	44.7	41.7	38.8	35.8	32.9
-80°	33.3	35.2	35.9	36.5	35.9	35.2	33.3	31.3	29.3	27.3	25.5
-82.5°	24.6	26.1	26.8	27.4	26.8	26.1	24.6	23.1	21.5	19.9	18.6
-85°	19.9	21.7	22.2	22.8	22.2	21.7	19.9	18.1	16.4	14.6	13.7
-87.5°	17.1	18.4	19.4	20.5	19.4	18.4	17.1	15.7	14.3	12.9	11.8
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.4



REPORT NUMBER: P701321 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	15.4	12.2	9.1	9.1	9.1	9.1	9.1	8.8	8.5	8.3	8.0
87.5°	1.7	2.0	2.3	2.3	2.3	2.3	2.3	2.6	2.9	3.1	3.4
85°	2.2	2.3	2.3	2.5	2.7	2.9	3.0	3.1	3.1	3.3	3.4
82.5°	1.8	2.1	2.3	2.6	2.9	3.1	3.4	3.4	3.4	3.4	3.4
80°	2.2	2.2	2.3	2.6	2.9	3.2	3.4	3.5	3.4	3.4	3.5
77.5°	2.3	2.3	2.4	2.8	3.1	3.4	3.6	3.8	4.0	4.1	4.1
75°	3.1	3.3	3.5	4.0	4.3	4.4	4.5	4.4	4.4	4.5	4.6
72.5°	5.6	5.8	6.3	7.2	7.6	8.0	8.1	7.6	6.8	5.5	4.6
70°	7.5	8.1	9.5	11.7	13.3	14.1	14.3	13.8	12.4	11.1	8.9
67.5°	7.7	8.8	10.8	13.5	15.8	17.9	20.2	22.2	22.2	20.6	15.2
65°	7.0	8.5	10.3	12.3	14.8	17.9	22.4	25.4	27.4	28.2	23.3
62.5°	5.4	6.6	7.8	9.4	11.5	14.8	20.1	24.8	29.2	30.6	25.7
60°	4.1	4.7	5.5	6.6	7.9	10.8	15.9	21.8	28.3	28.2	25.6
57.5°	3.2	3.8	4.6	5.2	5.6	7.7	11.5	16.6	22.9	23.5	22.7
55°	3.4	3.8	4.5	5.1	5.7	6.4	7.8	11.0	15.7	17.2	17.5
52.5°	3.4	4.0	4.7	5.3	5.8	6.1	6.5	8.1	9.6	11.7	12.8
50°	3.5	4.2	4.9	5.5	5.9	6.2	6.5	6.8	7.6	8.6	9.4
47.5°	4.6	4.9	5.2	5.7	6.2	6.3	6.6	7.1	7.4	7.6	8.1
45°	6.6	6.5	6.4	6.9	6.9	7.0	7.0	7.7	8.1	8.1	8.0
42.5°	15.0	11.1	8.5	9.9	9.6	9.1	8.6	9.3	9.3	9.1	9.7
40°	21.9	25.4	21.5	17.5	16.2	13.6	12.9	12.0	11.7	10.8	12.7
37.5°	26.7	26.6	33.4	35.9	29.7	24.4	20.6	17.4	15.1	16.0	17.3
35°	43.5	41.7	43.7	47.2	48.4	43.1	34.4	26.4	22.2	22.6	23.1
32.5°	73.5	67.2	63.8	63.5	67.1	65.7	55.3	42.2	34.4	31.8	30.2
30°	97.6	94.0	85.8	90.5	97.0	92.2	79.8	71.7	58.3	42.8	38.6
27.5°	134.4	127.2	117.0	130.6	137.5	129.2	120.1	110.7	88.7	65.0	51.5
25°	202.4	184.3	186.2	190.9	188.4	183.6	170.8	155.3	130.5	98.6	82.7
22.5°	302.3	290.1	279.8	265.2	278.2	268.3	233.2	202.9	197.6	187.6	142.8
20°	491.6	441.9	398.0	432.4	441.7	384.1	312.5	317.4	353.8	318.7	223.4
17.5°	1008.5	764.6	669.4	726.0	679.7	564.6	563.3	551.8	540.7	483.5	319.5
15°	1933.2	1441.9	1193.3	1091.5	1029.5	976.5	950.9	822.0	757.3	663.8	475.0
12.5°	4541.1	2434.1	1768.8	1561.0	1510.3	1419.6	1361.8	1175.8	1004.9	895.7	714.4
10°	7878.8	4243.1	2680.3	2144.4	1985.6	1868.8	1714.9	1488.4	1268.5	1144.4	961.7
7.5°	13046.9	6949.0	3798.9	2685.8	2387.4	2189.9	1964.5	1743.3	1521.9	1386.5	1211.3
5°	17093.4	8978.7	4513.2	3115.6	2722.3	2500.8	2215.6	1963.6	1765.2	1621.8	1456.1
2.5°	19146.4	10007.8	4970.2	3522.0	3035.3	2791.4	2470.7	2159.7	1942.5	1771.7	1596.0
0°	21080.1	11627.1	5680.0	3838.0	3288.0	3031.2	2727.6	2345.3	2085.1	1899.1	1717.6
-2.5°	19593.2	10703.3	5181.1	3577.6	3151.3	2916.2	2715.8	2408.2	2136.5	1919.5	1698.8
-5°	16945.6	8921.7	4635.2	3316.3	2939.6	2753.3	2612.5	2382.3	2127.3	1912.0	1656.0
-7.5°	13707.1	7100.9	4005.9	3020.4	2709.5	2570.2	2452.1	2253.7	2008.7	1819.0	1550.6
-10°	9724.2	5204.4	3337.0	2703.8	2488.3	2389.3	2298.2	2105.4	1887.5	1721.2	1426.1
-12.5°	6991.6	3769.6	2688.1	2372.7	2281.6	2229.0	2156.3	1945.5	1767.2	1621.0	1284.9
-15°	4214.2	2915.3	2380.1	2173.7	2100.6	2073.5	2011.8	1813.6	1673.9	1522.2	1129.3
-17.5°	3046.0	2329.3	2107.6	2017.7	1970.8	1929.8	1856.6	1714.0	1572.5	1381.5	959.7
-20°	2300.6	2096.0	1965.8	1883.0	1850.3	1815.2	1729.0	1605.0	1455.3	1176.8	796.5



REPORT NUMBER: P701321 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2063.5	1996.5	1906.4	1799.2	1729.1	1683.4	1605.7	1488.6	1324.3	960.7	637.0
-25°	1967.5	1954.9	1890.4	1785.4	1650.9	1560.8	1493.6	1370.8	1112.2	763.8	502.9
-27.5°	1919.7	1918.0	1886.5	1761.9	1610.1	1476.0	1380.7	1234.4	899.3	616.9	483.9
-30°	1887.7	1866.0	1814.9	1693.6	1531.6	1405.0	1280.2	1002.8	723.9	505.7	475.8
-32.5°	1836.7	1796.2	1715.4	1562.5	1432.8	1330.2	1075.2	790.2	556.5	496.5	472.0
-35°	1795.0	1693.0	1556.2	1447.6	1363.8	1119.1	850.0	612.7	515.3	487.3	468.9
-37.5°	1668.6	1538.4	1441.6	1330.8	1107.9	870.0	639.3	539.9	505.0	483.4	451.2
-40°	1525.7	1417.5	1233.1	1037.8	833.4	623.3	563.4	533.3	506.6	469.4	425.8
-42.5°	1274.7	1106.6	928.8	747.5	603.9	582.5	560.4	534.3	496.5	445.4	396.0
-45°	930.6	775.3	636.5	614.9	593.4	575.5	559.8	516.9	466.3	414.4	364.2
-47.5°	654.7	633.8	615.4	601.0	583.9	562.4	523.4	479.7	427.7	378.5	334.1
-50°	623.0	611.6	599.7	582.4	548.2	512.5	473.5	432.3	385.6	342.5	301.2
-52.5°	604.4	578.7	551.7	523.7	491.0	454.7	417.6	382.3	343.4	303.5	265.5
-55°	535.4	511.4	485.0	457.0	428.1	397.3	365.5	332.4	297.8	261.7	229.1
-57.5°	459.9	438.7	416.6	393.4	369.1	340.4	310.2	279.8	251.4	221.4	192.7
-60°	388.4	370.8	349.9	327.8	304.6	279.5	254.6	229.9	205.4	184.6	162.7
-62.5°	315.7	297.0	280.0	262.5	243.0	221.8	202.4	186.1	169.6	151.6	129.5
-65°	253.3	235.6	219.4	205.2	190.5	175.3	161.4	146.4	130.1	112.8	93.9
-67.5°	200.2	183.9	170.4	158.1	144.7	130.1	116.6	102.7	90.4	77.9	63.8
-70°	149.9	135.6	122.9	111.0	99.1	88.1	78.5	68.6	57.7	48.5	40.6
-72.5°	97.6	86.7	77.0	68.8	60.8	54.5	48.2	41.5	35.0	28.7	24.1
-75°	52.4	46.8	41.4	37.1	32.6	27.8	25.6	24.5	23.3	22.0	20.4
-77.5°	30.0	27.3	25.2	24.4	23.6	22.8	21.9	20.7	19.5	18.2	17.1
-80°	23.7	21.9	20.2	19.5	18.9	18.2	17.5	16.5	15.6	14.8	14.2
-82.5°	17.2	15.9	14.7	14.4	14.1	13.8	13.5	13.0	12.6	12.2	11.8
-85°	12.7	11.7	10.8	10.6	10.5	10.3	10.2	10.0	9.8	9.6	9.4
-87.5°	10.6	9.4	8.1	8.1	8.1	8.2	8.2	8.2	8.1	8.1	8.0
-90°	1.7	2.0	2.3	2.3	2.3	2.3	2.3	2.6	2.9	3.1	3.4



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	7.7	7.4	7.1	6.8	6.8	6.8	6.8	6.8	6.5	6.3	6.0
87.5°	3.4	3.4	3.4	3.4	3.6	3.7	3.8	3.9	4.0	4.2	4.4
85°	3.5	3.6	3.6	3.6	3.8	4.0	4.2	4.4	4.4	4.4	4.5
82.5°	3.7	4.0	4.2	4.3	4.3	4.3	4.4	4.6	4.6	4.6	4.6
80°	3.8	4.1	4.4	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
77.5°	4.1	4.2	4.4	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
75°	4.6	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
72.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
70°	6.7	5.0	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
67.5°	10.4	7.9	6.0	4.8	4.6	4.6	4.6	4.7	4.8	4.6	4.6
65°	16.9	11.7	7.8	6.3	5.2	4.6	4.6	4.8	5.0	4.8	4.6
62.5°	21.0	16.1	11.3	8.1	6.2	5.1	4.6	4.9	5.1	5.1	4.8
60°	22.6	17.9	14.5	11.1	7.9	5.8	5.1	4.9	5.2	5.4	5.1
57.5°	20.4	18.4	16.2	13.5	10.2	7.0	5.6	5.3	5.2	5.5	5.4
55°	17.0	16.1	17.0	15.2	12.2	8.9	6.5	5.7	5.4	5.5	5.7
52.5°	12.8	14.3	16.4	16.3	13.9	10.6	8.0	6.2	5.8	5.6	5.8
50°	9.7	12.3	15.5	16.7	15.4	12.2	9.2	7.1	6.2	5.7	5.9
47.5°	8.9	11.3	13.9	17.0	16.6	13.7	10.5	8.0	6.6	6.1	6.1
45°	9.6	11.2	13.1	15.8	17.6	14.7	11.7	8.6	7.1	6.5	6.2
42.5°	10.9	12.1	13.4	14.7	16.6	15.3	12.7	9.5	7.5	6.9	6.5
40°	13.6	13.8	14.2	15.4	15.8	15.7	13.2	10.4	7.8	7.3	6.9
37.5°	17.0	16.5	16.0	17.4	16.2	15.4	13.3	11.1	8.6	7.9	7.2
35°	22.3	20.3	19.8	20.7	18.9	15.7	13.4	11.5	9.9	8.5	7.6
32.5°	28.6	26.9	26.2	24.8	22.7	16.5	13.6	12.5	11.1	9.2	7.9
30°	37.8	39.0	34.1	29.6	27.2	20.1	15.2	13.7	12.3	9.9	8.3
27.5°	56.1	54.5	44.0	36.7	31.7	24.9	18.5	15.0	13.5	10.8	8.9
25°	79.7	73.2	59.2	45.2	36.6	40.1	22.5	16.6	14.7	11.8	9.5
22.5°	110.9	94.9	76.7	54.5	59.0	60.5	30.9	19.7	15.9	12.8	10.1
20°	147.2	119.4	102.9	90.9	86.3	80.6	45.8	23.2	17.2	13.8	10.7
17.5°	193.2	170.3	165.1	137.8	116.9	102.6	63.4	27.0	18.6	14.7	11.3
15°	318.1	251.5	231.7	190.3	149.3	126.2	83.1	30.9	20.0	15.6	11.8
12.5°	475.2	333.1	301.8	247.0	183.2	151.0	104.4	34.9	21.4	16.5	12.2
10°	648.8	414.6	374.4	306.6	218.0	176.5	126.4	39.7	23.8	17.4	12.6
7.5°	831.5	495.8	448.3	367.5	252.5	201.1	149.2	46.0	26.4	18.3	13.0
5°	1000.9	566.0	509.5	418.8	283.2	223.8	171.1	52.3	29.1	19.1	13.3
2.5°	1097.2	619.0	560.9	465.9	313.0	245.4	191.2	58.3	31.7	19.8	13.5
0°	1175.5	669.9	609.4	509.0	341.2	265.9	208.8	63.9	34.2	20.5	13.7
-2.5°	1155.0	662.1	600.4	505.0	349.9	272.1	211.4	74.2	42.3	25.8	16.4
-5°	1114.8	651.9	588.6	497.1	356.4	276.6	211.2	83.9	50.1	30.9	18.9
-7.5°	1037.6	629.1	570.4	485.4	360.3	279.4	208.8	92.7	57.3	35.7	21.2
-10°	938.8	598.2	544.6	465.4	354.8	278.4	204.7	100.5	63.9	40.0	23.3
-12.5°	824.3	566.6	519.4	444.2	346.4	274.4	199.3	107.3	69.7	43.7	25.1
-15°	695.3	534.8	495.8	422.3	336.4	269.4	193.2	112.9	74.7	47.0	26.5
-17.5°	556.1	503.1	474.5	400.7	325.0	263.5	186.7	117.2	78.8	50.0	27.9
-20°	516.6	482.2	454.4	379.9	312.5	256.9	180.2	120.3	82.1	52.2	29.1



REPORT NUMBER: P701321 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	497.3	470.8	431.8	362.9	300.8	249.8	174.1	122.0	84.5	53.6	29.7
-25°	479.5	460.3	410.3	347.1	291.0	239.1	171.7	122.3	85.8	54.2	29.7
-27.5°	466.6	446.6	388.9	330.0	280.2	230.2	171.2	123.3	86.3	53.8	29.0
-30°	456.7	422.5	368.4	313.0	268.1	218.0	168.9	123.2	85.6	52.9	27.5
-32.5°	448.5	399.3	347.1	298.6	253.8	205.2	161.5	121.7	83.8	51.1	26.5
-35°	427.3	376.7	325.3	282.8	238.6	193.4	151.9	118.8	80.6	48.2	25.4
-37.5°	404.5	353.3	306.9	265.8	223.0	180.4	142.9	110.4	76.2	44.2	23.7
-40°	377.6	330.0	287.9	248.3	207.3	166.3	132.6	100.8	70.6	39.1	21.5
-42.5°	349.3	307.2	267.4	230.2	190.5	153.7	121.2	90.1	61.7	35.1	18.8
-45°	322.3	282.5	245.0	209.0	173.0	139.8	108.2	78.5	51.9	31.4	16.8
-47.5°	293.2	255.9	220.6	186.4	156.0	124.4	94.1	66.8	41.6	26.9	16.2
-50°	261.9	227.6	194.7	165.0	136.9	107.5	79.3	54.5	35.2	21.2	15.4
-52.5°	230.2	198.0	170.0	143.7	116.6	89.4	64.8	42.1	28.5	18.4	14.4
-55°	197.4	170.6	146.2	120.9	95.4	72.0	49.6	34.1	21.4	17.0	13.4
-57.5°	168.8	144.7	120.8	96.9	75.0	54.4	38.0	25.9	18.6	15.5	13.0
-60°	140.1	116.4	94.0	74.3	55.2	39.8	28.5	19.6	16.9	14.1	12.5
-62.5°	107.8	87.4	69.5	52.2	39.3	29.0	20.1	17.8	15.3	13.4	11.9
-65°	77.7	61.5	45.8	36.6	27.2	20.3	18.3	16.1	14.2	12.7	11.3
-67.5°	49.6	40.6	31.6	23.2	20.0	18.2	16.4	14.7	13.2	11.9	10.8
-70°	32.7	24.9	21.1	19.3	17.7	16.2	14.9	13.5	12.2	11.3	10.2
-72.5°	22.1	20.2	18.4	16.9	15.9	14.8	13.5	12.4	11.6	10.7	9.7
-75°	18.7	17.5	16.5	15.6	14.6	13.5	12.6	11.9	11.1	10.2	9.1
-77.5°	16.2	15.5	14.9	14.2	13.2	12.5	11.9	11.4	10.5	9.5	8.4
-80°	13.8	13.3	12.9	12.3	11.8	11.4	11.0	10.6	9.7	8.7	7.8
-82.5°	11.5	11.2	10.9	10.8	10.5	10.2	10.0	9.7	8.8	8.0	7.2
-85°	9.4	9.4	9.4	9.4	9.3	9.1	8.9	8.7	8.0	7.4	6.8
-87.5°	8.1	8.1	8.2	8.1	8.0	7.9	7.9	7.8	7.3	6.8	6.4
-90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.7	4.0	4.3



REPORT NUMBER: P701321 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.7	5.4	5.2	4.9	4.6	4.6	4.6
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6
85°	4.6	4.6	4.6	4.6	4.6	4.6	4.6
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6
80°	4.6	4.6	4.6	4.6	4.6	4.6	4.6
77.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6
75°	4.6	4.7	4.6	4.6	4.6	4.6	4.6
72.5°	4.7	4.8	4.7	4.6	4.6	4.6	4.6
70°	4.7	4.8	4.8	4.6	4.6	4.6	4.6
67.5°	4.7	4.9	4.9	4.7	4.6	4.6	4.6
65°	4.7	5.0	5.0	4.8	4.6	4.6	4.6
62.5°	4.8	5.0	5.2	5.0	4.6	4.6	4.6
60°	4.8	5.1	5.3	5.1	4.6	4.6	4.6
57.5°	5.1	5.1	5.3	5.2	4.7	4.6	4.6
55°	5.3	5.1	5.3	5.3	4.8	4.6	4.6
52.5°	5.6	5.2	5.4	5.4	4.8	4.6	4.6
50°	5.9	5.4	5.4	5.5	4.9	4.6	4.6
47.5°	6.1	5.6	5.4	5.6	5.0	4.6	4.6
45°	6.3	5.8	5.5	5.7	5.1	4.6	4.6
42.5°	6.4	6.1	5.5	5.7	5.1	4.6	4.6
40°	6.6	6.3	5.6	5.7	5.2	4.6	4.6
37.5°	6.8	6.5	5.8	5.7	5.2	4.6	4.6
35°	7.1	6.6	5.9	5.8	5.3	4.6	4.6
32.5°	7.3	6.8	6.1	5.8	5.4	4.6	4.6
30°	7.6	7.0	6.2	5.9	5.4	4.6	4.6
27.5°	7.9	7.2	6.3	5.9	5.5	4.6	4.6
25°	8.1	7.4	6.4	6.0	5.5	4.6	4.6
22.5°	8.4	7.5	6.5	6.1	5.5	4.6	4.6
20°	8.6	7.6	6.6	6.1	5.6	4.6	4.6
17.5°	8.9	7.7	6.7	6.2	5.6	4.6	4.6
15°	9.1	7.8	6.7	6.3	5.6	4.6	4.6
12.5°	9.3	7.9	6.8	6.4	5.6	4.6	4.6
10°	9.5	7.9	6.8	6.5	5.7	4.6	4.6
7.5°	9.7	7.9	6.8	6.6	5.7	4.6	4.6
5°	9.9	8.0	6.8	6.6	5.7	4.6	4.6
2.5°	10.1	8.0	6.8	6.7	5.7	4.6	4.6
0°	10.3	8.0	6.8	6.8	5.7	4.6	4.6
-2.5°	11.2	8.2	7.0	6.9	5.7	4.6	4.6
-5°	12.0	8.5	7.2	6.9	5.8	4.6	4.6
-7.5°	12.8	8.7	7.4	7.0	5.8	4.7	4.6
-10°	13.5	8.9	7.6	7.1	5.9	4.7	4.6
-12.5°	14.0	9.1	7.8	7.1	5.9	4.7	4.6
-15°	14.5	9.3	7.9	7.2	5.9	4.7	4.6
-17.5°	14.7	9.5	8.1	7.2	5.9	4.8	4.6
-20°	15.0	9.6	8.2	7.2	5.9	4.8	4.6



REPORT NUMBER: P701321 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-2S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	15.4	9.8	8.3	7.2	6.0	4.8	4.6
-25°	15.5	10.0	8.4	7.2	6.0	4.8	4.6
-27.5°	15.2	10.2	8.5	7.2	6.0	4.8	4.6
-30°	14.6	10.3	8.5	7.2	6.0	4.8	4.6
-32.5°	13.7	10.3	8.6	7.2	5.9	4.8	4.6
-35°	13.4	10.3	8.6	7.2	5.9	4.9	4.6
-37.5°	13.4	10.3	8.6	7.2	5.9	4.9	4.6
-40°	13.2	10.3	8.6	7.1	5.9	4.9	4.6
-42.5°	12.9	10.2	8.5	7.1	5.9	4.9	4.6
-45°	12.6	10.1	8.5	7.0	5.8	4.9	4.6
-47.5°	12.1	10.0	8.4	7.0	5.8	4.9	4.6
-50°	11.8	9.9	8.3	6.9	5.8	4.9	4.6
-52.5°	11.6	9.7	8.1	6.8	5.7	4.9	4.6
-55°	11.3	9.5	8.0	6.7	5.7	4.9	4.6
-57.5°	11.0	9.3	7.8	6.6	5.6	4.8	4.6
-60°	10.7	9.0	7.6	6.5	5.6	4.8	4.6
-62.5°	10.3	8.8	7.4	6.4	5.5	4.8	4.6
-65°	9.9	8.5	7.2	6.2	5.4	4.8	4.6
-67.5°	9.4	8.1	7.0	6.1	5.4	4.8	4.6
-70°	9.0	7.8	6.8	6.0	5.3	4.8	4.6
-72.5°	8.5	7.4	6.5	5.8	5.2	4.8	4.6
-75°	7.9	7.0	6.3	5.7	5.1	4.7	4.6
-77.5°	7.4	6.6	6.1	5.6	5.1	4.7	4.6
-80°	6.8	6.4	5.9	5.4	5.0	4.7	4.6
-82.5°	6.5	6.1	5.7	5.3	4.9	4.7	4.6
-85°	6.3	5.9	5.5	5.2	4.8	4.6	4.6
-87.5°	6.0	5.7	5.3	5.0	4.7	4.6	4.6
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6

(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

