

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: P701329 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-70-4S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701329 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-23)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-70-4S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 4S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

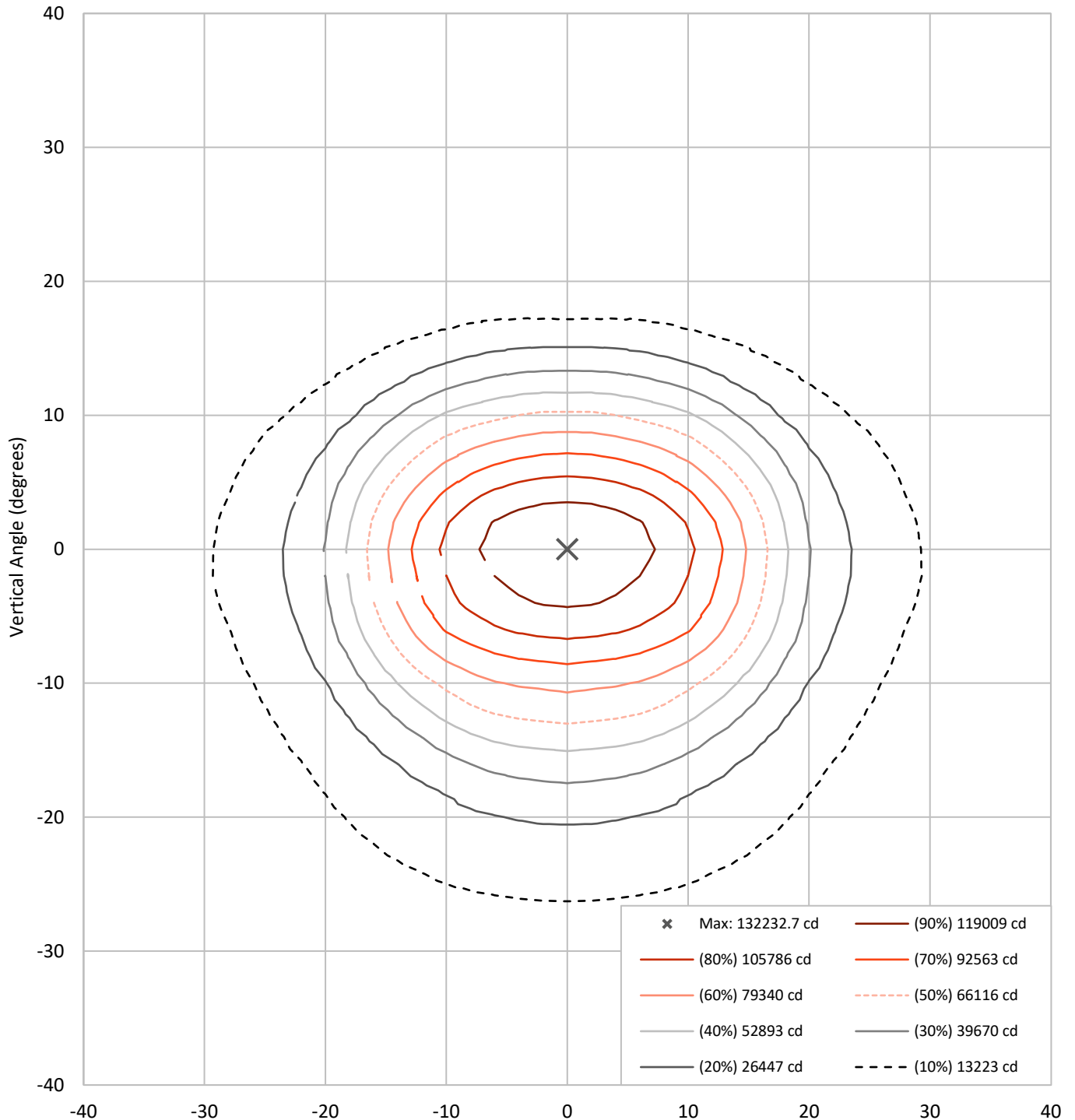
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 3V
Luminaire Lumens:	34907.1 lumens	Max Intensity:	132232.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	101.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.1°H x 23.4°V	Field Angle (10%):	58.5°H x 43.2°V
Beam Lumens:	17661.9 lumens	Field Lumens:	30104.4 lumens
Beam Efficiency:	50.6%	Field Efficiency:	86.2%

Input Watts (W): 344.2
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





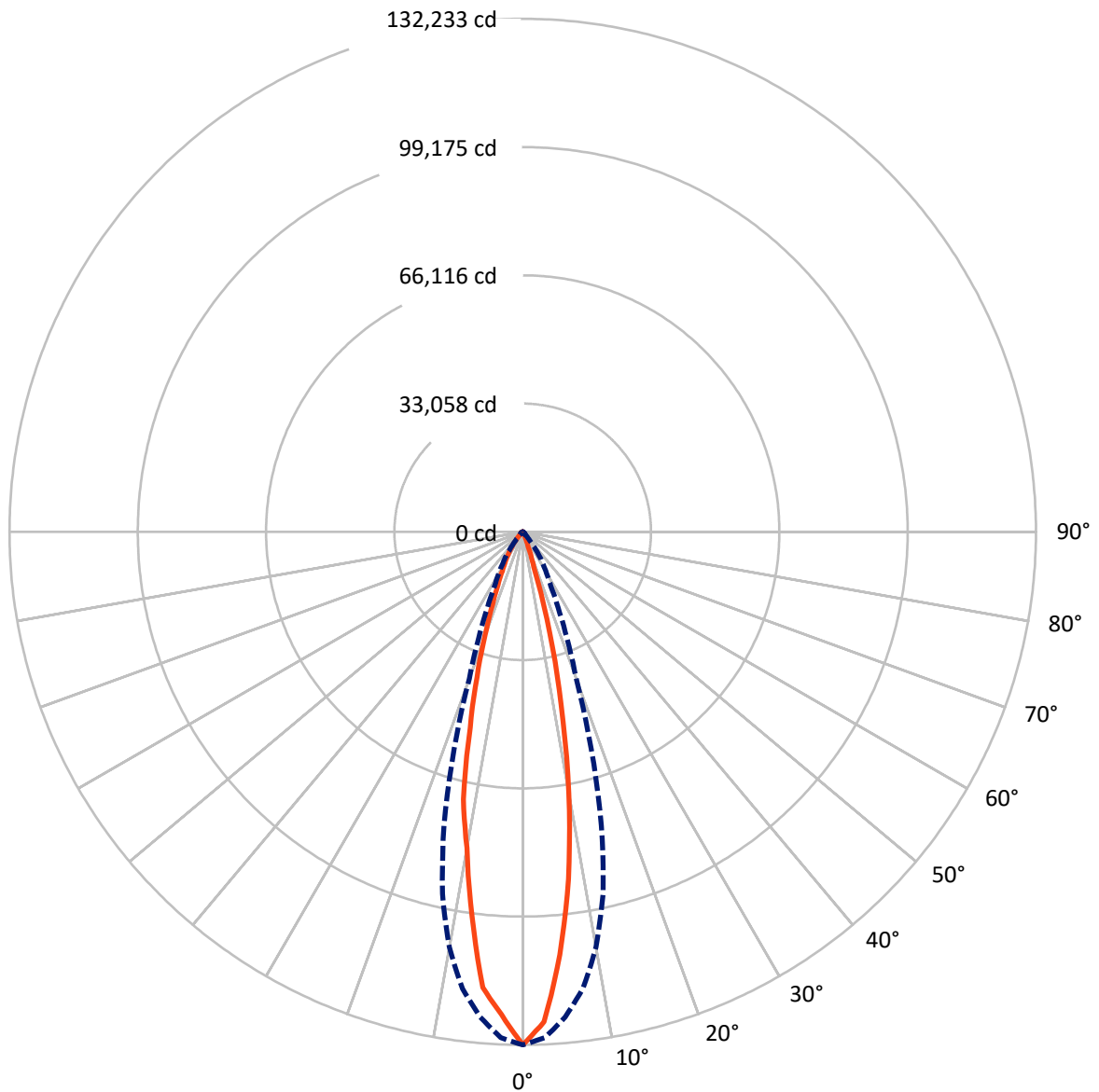
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Lumen Table

90																
80	0.1	0.3		0.5		0.5		0.3		0.5		0.5		0.3		0.1
70																
60	0.1	0.1	0.1	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.1	0.1	0.1
50		0.1	0.2	0.5	0.5	0.2	0.1	0.1	0.1	0.1	0.2	0.5	0.5	0.2	0.1	
40	0.1	0.1	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.1	0.1
30		0.1	0.3	0.5	0.7	1.5	2.7	4.0	4.0	2.7	1.5	0.7	0.5	0.3	0.1	
20	0.2	0.2	0.9	1.9	5.3	14.6	30.2	50.1	50.1	30.2	14.6	5.3	1.9	0.9	0.2	0.2
10		0.6	3.0	7.9	47.1	147.2	448.5	838.3	838.3	448.5	147.2	47.1	7.9	3.0	0.6	
0	0.2	1.1	6.0	19.9	146.2	515.2	1783.5	3035.0	3035.0	1783.5	515.2	146.2	19.9	6.0	1.1	0.2
-10		1.5	7.5	23.9	162.9	568.4	1964.4	3224.8	3224.8	1964.4	568.4	162.9	23.9	7.5	1.5	
-20	0.3	1.6	6.6	16.7	96.5	313.3	869.3	1527.8	1527.8	869.3	313.3	96.5	16.7	6.6	1.6	0.3
-30		1.5	5.6	11.2	40.4	156.6	322.7	470.0	470.0	322.7	156.6	40.4	11.2	5.6	1.5	
-40	0.3	1.3	4.7	8.7	16.4	48.7	110.7	157.1	157.1	110.7	48.7	16.4	8.7	4.7	1.3	0.3
-50		0.8	3.4	7.2	11.7	17.4	25.2	33.1	33.1	25.2	17.4	11.7	7.2	3.4	0.8	
-60	0.2	0.4	1.7	4.6	8.2	11.5	14.1	15.8	15.8	14.1	11.5	8.2	4.6	1.7	0.4	0.2
-70		0.2	0.6	1.7	3.4	5.5	7.5	8.6	8.6	7.5	5.5	3.4	1.7	0.6	0.2	
-80																
-90	0.1	0.5		1.7		4.3		6.1		4.3		1.7		0.5		0.1

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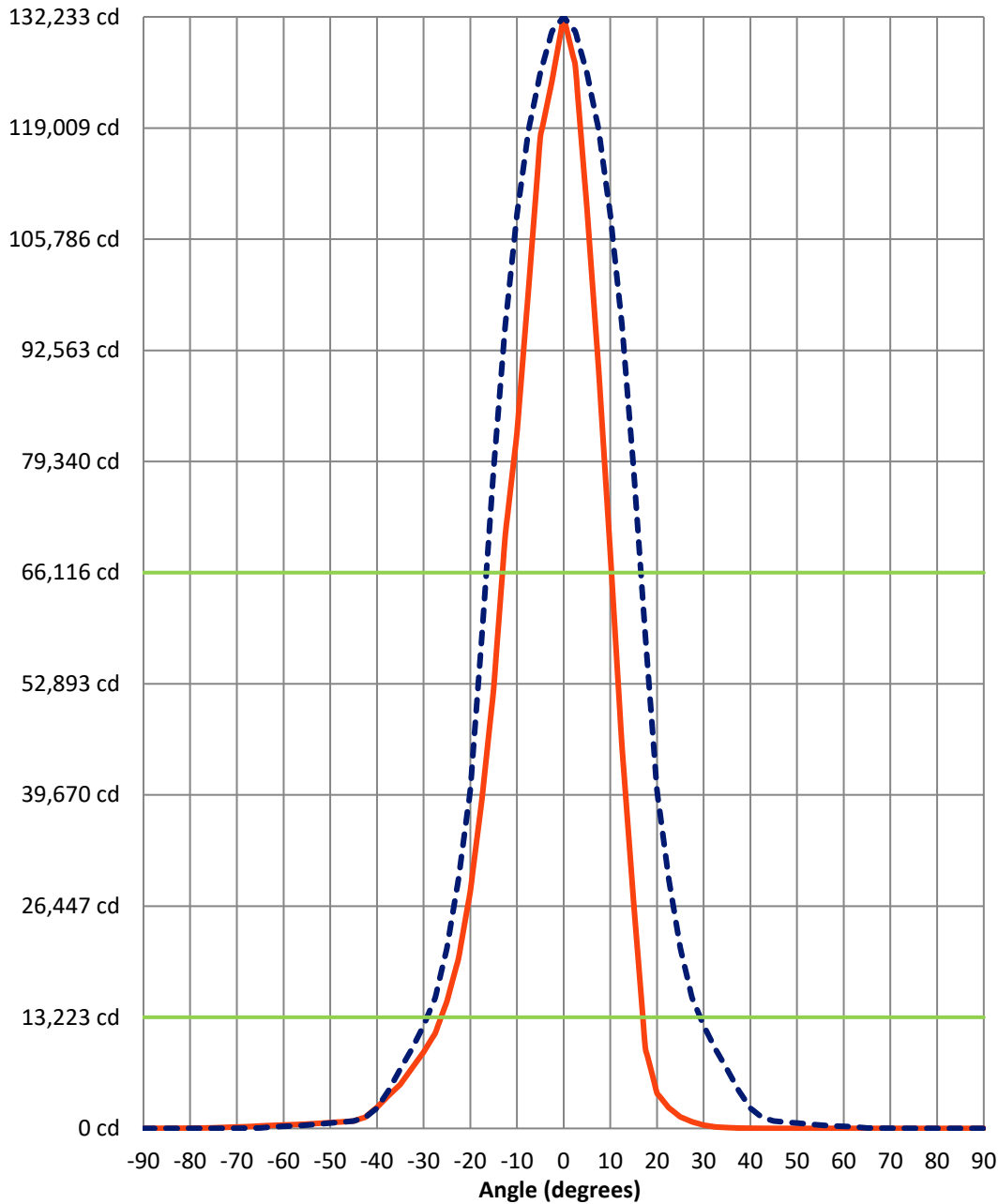
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.1°
 V Angle: 23.4°
 Lumens: 17661.9
 Efficiency: 50.6%

Field:
 H Angle: 58.5°
 V Angle: 43.2°
 Lumens: 30104.4
 Efficiency: 86.2%

Spill:
 Lumens: 4802.7
 Efficiency: 13.8%

— 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°	4.8	5.4	6.0	5.7	5.4	5.1	4.8	5.1	5.4	5.7	6.0
87.5°	4.8	4.9	4.9	5.0	5.0	5.1	5.1	5.1	5.0	4.9	4.8
85°	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.3	5.2	5.0	4.8
82.5°	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.6	5.4	5.2	5.1
80°	4.8	5.0	5.2	5.4	5.6	5.8	6.0	5.8	5.6	5.6	5.6
77.5°	4.8	5.1	5.3	5.6	5.8	6.0	6.0	5.9	5.8	5.9	6.0
75°	4.8	5.1	5.4	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0
72.5°	4.8	5.2	5.5	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0
70°	4.8	5.2	5.6	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
67.5°	4.8	5.3	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
65°	4.8	5.3	5.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
62.5°	4.8	5.4	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
60°	4.8	5.4	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
57.5°	4.8	5.4	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
55°	4.8	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
52.5°	4.8	5.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
50°	4.8	5.6	6.0	6.0	6.0	6.0	6.0	6.1	6.0	6.0	6.5
47.5°	4.8	5.6	6.0	6.0	6.0	6.0	6.0	6.2	6.0	6.0	7.1
45°	4.8	5.6	6.0	6.0	6.0	6.0	6.1	6.3	6.1	6.4	7.5
42.5°	4.8	5.7	6.0	6.0	6.0	6.0	6.2	6.4	6.1	6.7	7.8
40°	4.8	5.7	6.0	6.0	6.0	6.0	6.4	6.4	6.3	7.0	8.1
37.5°	4.8	5.8	6.0	6.0	6.0	6.0	6.5	6.5	6.7	7.4	8.3
35°	4.8	5.8	6.0	6.0	6.0	6.1	6.7	6.6	7.0	8.0	8.5
32.5°	4.8	5.8	6.0	6.0	6.0	6.2	6.8	6.6	7.3	8.6	9.4
30°	4.8	5.8	6.0	6.0	6.0	6.3	6.9	6.8	7.6	9.4	10.5
27.5°	4.8	5.9	6.0	6.0	6.0	6.5	7.0	7.0	8.1	10.3	11.6
25°	4.8	5.9	6.0	6.0	6.0	6.6	7.0	7.3	8.7	11.2	13.0
22.5°	4.8	5.9	6.0	6.0	6.0	6.7	7.1	7.5	9.5	12.3	15.5
20°	4.8	5.9	6.0	6.0	6.0	6.8	7.2	7.7	10.2	13.4	18.2
17.5°	4.8	5.9	6.0	6.0	6.0	6.9	7.3	7.9	11.0	14.6	21.1
15°	4.8	6.0	6.0	6.0	6.0	7.0	7.4	8.3	11.8	15.7	24.0
12.5°	4.8	6.0	6.0	6.0	6.0	7.1	7.5	8.9	12.9	16.9	26.9
10°	4.8	6.0	6.0	6.0	6.0	7.1	7.7	9.5	14.3	19.4	30.7
7.5°	4.8	6.0	6.0	6.0	6.0	7.1	7.9	10.2	15.6	22.1	36.5
5°	4.8	6.0	6.0	6.0	6.0	7.2	8.1	10.9	16.9	24.9	42.3
2.5°	4.8	6.0	6.0	6.0	6.0	7.2	8.2	11.5	18.2	27.6	47.8
0°	4.8	6.0	6.0	6.0	6.0	7.2	8.4	12.1	19.3	30.2	53.1
-2.5°	4.8	6.0	6.0	6.0	6.0	7.3	9.2	13.8	22.7	36.6	62.7
-5°	4.8	6.0	6.0	6.0	6.0	7.4	10.0	15.4	26.0	42.6	71.6
-7.5°	4.8	6.0	6.0	6.0	6.0	7.5	10.7	16.8	29.0	48.1	79.7
-10°	4.8	6.0	6.0	6.0	6.0	7.6	11.3	18.1	31.6	53.0	86.8
-12.5°	4.8	6.0	6.0	6.0	6.0	7.6	11.8	19.3	33.8	57.2	93.1
-15°	4.8	6.0	6.0	6.0	6.0	7.6	12.2	20.2	35.8	61.2	98.4
-17.5°	4.8	6.0	6.0	6.0	6.0	7.6	12.4	21.2	37.7	64.3	102.3
-20°	4.8	5.9	6.0	6.0	6.0	7.6	12.6	22.1	39.0	66.3	104.7



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 CATALOG NUMBER: EPH-LS-08-0320L-40-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.8	5.9	6.0	6.0	6.0	7.5	12.9	22.7	39.4	67.2	105.6
-25°	4.8	5.9	6.0	6.0	6.0	7.5	12.9	23.1	39.0	66.9	104.9
-27.5°	4.8	5.9	6.0	6.0	6.0	7.4	12.7	23.0	37.7	65.7	104.3
-30°	4.8	5.9	6.0	6.0	6.0	7.3	12.3	22.6	36.8	64.2	102.1
-32.5°	4.8	5.9	6.0	6.0	6.1	7.2	11.5	22.0	36.3	61.4	98.1
-35°	4.8	5.8	6.0	6.0	6.2	6.9	11.1	21.2	35.2	57.3	92.4
-37.5°	4.8	5.8	6.0	6.0	6.3	6.6	10.7	19.9	33.6	51.8	83.3
-40°	4.8	5.8	6.0	6.0	6.4	6.7	10.2	18.2	31.5	48.4	74.1
-42.5°	4.8	5.8	6.0	6.0	6.4	6.8	9.5	16.1	29.0	44.4	64.2
-45°	4.8	5.8	6.0	6.0	6.5	6.9	8.7	14.2	26.2	39.7	54.5
-47.5°	4.8	5.8	6.0	6.1	6.5	7.0	7.7	13.0	22.7	34.6	48.7
-50°	4.8	5.7	6.0	6.1	6.5	7.1	7.6	11.6	18.3	29.6	42.4
-52.5°	4.8	5.7	6.0	6.1	6.5	7.2	7.7	9.9	15.4	24.3	35.7
-55°	4.8	5.7	6.0	6.1	6.5	7.2	7.8	8.3	13.2	18.7	29.2
-57.5°	4.8	5.7	6.0	6.1	6.5	7.1	7.9	8.4	10.9	15.4	22.5
-60°	4.8	5.7	6.0	6.1	6.4	7.0	7.9	8.4	9.0	12.8	16.8
-62.5°	4.8	5.6	6.0	6.1	6.4	7.0	7.8	8.4	8.9	10.3	14.0
-65°	4.8	5.6	6.0	6.1	6.3	6.8	7.6	8.3	8.7	9.4	11.2
-67.5°	4.8	5.6	6.0	6.0	6.3	6.7	7.4	8.0	8.4	8.9	9.9
-70°	4.8	5.6	6.0	6.0	6.2	6.6	7.1	7.6	8.0	8.4	9.1
-72.5°	4.8	5.6	6.0	6.0	6.1	6.4	6.9	7.3	7.6	8.0	8.3
-75°	4.8	5.5	6.0	5.9	6.0	6.2	6.6	6.9	7.2	7.5	7.8
-77.5°	4.8	5.5	6.0	5.9	5.9	6.1	6.3	6.6	6.8	7.1	7.3
-80°	4.8	5.5	6.0	5.9	5.8	5.9	6.0	6.2	6.4	6.6	6.8
-82.5°	4.8	5.5	6.0	5.8	5.7	5.7	5.7	5.9	6.0	6.2	6.3
-85°	4.8	5.5	6.0	5.8	5.6	5.5	5.4	5.6	5.8	5.9	6.0
-87.5°	4.8	5.4	6.0	5.7	5.5	5.3	5.1	5.4	5.6	5.8	6.0
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8



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 CATALOG NUMBER: EPH-LS-08-0320L-40-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	5.7	5.4	5.1	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
87.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.5	4.2	3.9
85°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.6	4.5	4.4
82.5°	5.2	5.1	5.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
80°	5.6	5.4	5.1	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
77.5°	5.8	5.5	5.2	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8
75°	5.8	5.5	5.2	4.9	4.8	4.8	4.8	5.1	5.2	5.2	5.1
72.5°	5.8	5.5	5.2	5.0	5.1	5.3	5.6	5.9	6.2	6.3	6.5
70°	5.9	5.6	5.5	5.5	5.8	6.1	6.6	7.3	7.9	8.4	9.2
67.5°	5.9	5.8	5.8	6.1	6.5	7.1	7.8	9.4	11.1	12.1	13.1
65°	6.0	6.0	6.1	6.5	7.1	8.7	10.5	12.4	15.4	17.1	17.8
62.5°	6.0	6.1	6.4	7.3	9.0	10.9	13.4	16.7	20.7	23.5	23.6
60°	6.0	6.1	7.1	8.9	10.8	13.2	16.4	21.0	26.9	31.3	28.5
57.5°	6.0	6.7	8.4	10.3	12.4	15.0	19.3	25.1	30.7	36.6	31.4
55°	6.3	7.7	9.4	11.3	13.6	16.5	21.0	25.8	32.0	33.8	27.9
52.5°	7.1	8.5	9.9	12.0	14.6	17.2	20.0	24.2	26.2	26.6	22.1
50°	7.8	8.9	10.3	12.5	15.1	16.9	17.5	20.0	20.2	18.3	15.9
47.5°	8.3	9.3	10.4	12.8	15.1	16.2	15.9	15.3	14.0	13.0	10.1
45°	8.6	9.7	10.7	13.1	15.0	15.3	14.0	11.1	11.5	10.3	9.5
42.5°	8.9	10.0	11.6	13.5	14.7	14.6	12.6	11.7	10.9	10.6	10.3
40°	9.2	10.4	12.8	14.4	14.7	14.3	14.3	13.7	11.8	12.5	12.6
37.5°	9.5	11.5	14.4	16.8	15.2	16.0	17.1	17.4	16.4	16.0	17.6
35°	9.8	12.8	17.6	20.3	18.8	19.3	21.6	22.6	22.8	22.7	23.9
32.5°	10.6	14.1	21.9	24.5	25.2	25.6	27.2	29.5	32.1	33.2	31.9
30°	12.3	18.1	26.8	29.6	32.7	37.2	36.2	37.9	43.9	46.3	48.5
27.5°	15.0	23.2	31.7	36.4	42.0	52.3	55.9	52.2	57.3	62.1	69.4
25°	18.2	36.3	37.1	44.2	56.8	72.3	82.1	86.4	75.1	83.5	103.0
22.5°	25.2	53.3	56.7	52.6	74.0	96.8	116.2	126.6	125.3	117.2	143.3
20°	37.6	70.5	79.6	81.3	97.6	124.9	155.2	172.8	189.6	218.8	295.4
17.5°	52.2	89.6	103.9	118.5	148.1	172.3	198.2	224.5	264.2	351.0	611.0
15°	68.3	110.1	129.3	158.9	203.0	243.5	275.1	298.6	368.8	550.7	1010.4
12.5°	85.6	131.8	155.5	201.7	260.8	318.3	363.1	410.6	528.6	886.3	1645.6
10°	103.3	154.1	182.3	246.0	320.6	395.6	453.6	525.2	709.6	1266.2	2338.8
7.5°	122.9	177.9	209.5	290.7	381.0	473.8	545.4	640.6	894.3	1650.2	3036.4
5°	142.0	202.8	238.5	329.4	431.9	542.6	631.0	754.7	1077.0	2022.3	3714.2
2.5°	159.6	227.0	266.9	364.6	474.6	594.8	689.5	822.9	1203.5	2266.9	4213.2
0°	175.0	249.8	294.4	397.0	514.0	643.1	744.5	885.6	1305.5	2414.4	4511.4
-2.5°	180.9	258.6	305.7	405.2	519.5	651.3	754.6	891.1	1336.9	2474.2	4555.3
-5°	184.2	265.3	315.6	410.5	521.4	654.5	760.5	891.0	1329.1	2422.4	4341.2
-7.5°	185.3	269.8	324.0	411.2	511.5	633.5	730.8	844.2	1224.3	2208.2	3879.6
-10°	184.2	269.1	321.4	396.0	486.0	596.6	690.9	793.1	1103.5	1939.6	3366.2
-12.5°	180.8	264.2	316.6	380.0	459.5	556.9	649.1	738.7	969.4	1619.8	2837.4
-15°	176.3	258.4	311.6	363.7	432.9	515.3	605.9	681.5	829.8	1278.6	2312.6
-17.5°	170.9	252.0	306.6	347.7	406.8	472.2	563.7	633.8	726.9	1061.1	1890.3
-20°	164.9	245.1	301.9	332.5	382.5	439.4	523.1	594.3	673.0	889.6	1437.4



REPORT NUMBER: P701329 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	158.7	238.1	295.0	324.1	366.6	416.9	482.2	552.5	618.3	700.4	1053.0
-25°	155.6	227.9	284.7	318.3	351.7	395.0	442.7	508.7	567.4	646.3	849.7
-27.5°	154.1	218.2	272.6	311.9	337.2	375.1	414.5	465.5	532.7	602.4	676.2
-30°	150.5	203.9	260.2	302.9	328.0	358.8	391.9	435.1	499.3	563.7	628.8
-32.5°	141.7	188.6	244.2	288.5	319.5	343.5	375.6	415.2	466.8	525.9	584.4
-35°	130.3	175.3	226.0	274.1	309.8	333.1	362.3	396.4	436.7	489.7	552.3
-37.5°	118.9	160.5	207.1	256.9	294.2	324.9	348.2	379.1	414.2	456.2	517.8
-40°	106.1	144.2	188.8	235.6	279.3	312.9	338.9	362.3	392.6	433.8	477.9
-42.5°	92.5	128.8	169.5	213.3	256.9	295.4	328.3	350.4	376.1	411.8	452.0
-45°	80.9	111.9	149.1	189.4	230.4	272.9	307.9	340.1	363.5	390.6	426.4
-47.5°	68.6	94.9	128.8	164.0	202.6	242.4	283.3	317.4	350.5	375.3	400.5
-50°	57.1	80.6	106.7	139.4	173.5	210.5	248.7	289.0	323.8	355.8	383.3
-52.5°	49.3	65.7	88.8	114.6	145.2	177.4	213.1	250.2	288.4	324.8	353.4
-55°	41.0	54.8	71.1	93.1	117.7	146.0	176.7	210.8	244.5	280.1	312.8
-57.5°	32.9	44.8	57.5	72.9	93.6	115.7	142.8	171.2	202.1	232.6	258.6
-60°	24.9	35.2	46.5	57.9	70.7	90.0	109.7	133.6	159.8	185.2	208.0
-62.5°	17.5	26.0	35.8	46.0	56.4	66.4	82.2	100.1	118.0	139.4	159.4
-65°	14.6	18.1	25.3	34.4	43.7	53.0	62.1	70.9	85.7	100.8	114.9
-67.5°	11.6	14.8	18.1	22.6	30.7	39.0	47.6	55.7	63.6	71.2	80.0
-70°	10.2	11.6	14.2	17.2	20.3	24.4	31.7	39.2	47.0	54.7	61.5
-72.5°	9.2	10.5	11.7	12.9	15.4	18.0	20.6	23.0	27.9	34.6	41.4
-75°	8.4	9.4	10.5	11.7	12.7	13.8	15.1	17.3	19.5	21.8	24.1
-77.5°	7.7	8.3	9.2	10.2	11.2	12.0	12.9	13.9	14.9	16.0	17.1
-80°	7.0	7.2	7.6	8.2	9.0	9.8	10.6	11.4	12.1	12.9	13.7
-82.5°	6.5	6.6	6.7	6.9	7.2	7.6	8.2	8.8	9.2	9.7	10.1
-85°	6.0	6.0	6.1	6.2	6.3	6.5	6.7	7.0	7.1	7.3	7.4
-87.5°	5.8	5.7	5.6	5.5	5.5	5.6	5.6	5.6	5.7	5.7	5.8
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.5	4.2	3.9



REPORT NUMBER: P701329 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.8	5.4	6.0	6.6	7.2	7.8	8.4	9.1	9.7	10.3	10.9
87.5°	3.6	3.6	3.6	3.6	3.6	3.3	3.0	2.7	2.4	2.1	1.8
85°	4.4	4.2	4.0	3.8	3.6	3.3	3.0	2.7	2.4	2.1	1.8
82.5°	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4	2.1	1.8
80°	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4	2.1	1.8
77.5°	4.8	4.6	4.3	4.0	3.7	3.4	3.1	2.7	2.4	2.4	2.4
75°	4.9	4.7	4.6	4.5	4.2	4.0	3.8	3.6	3.4	3.2	3.0
72.5°	6.6	6.6	6.4	6.3	5.9	5.6	5.4	5.1	4.7	4.4	4.1
70°	9.9	10.3	10.0	9.3	8.2	7.4	6.9	6.4	5.9	5.4	4.9
67.5°	13.8	13.8	12.8	11.5	9.8	8.2	7.6	6.9	6.3	5.9	5.9
65°	17.8	16.6	14.9	12.9	10.6	8.3	7.7	7.0	6.4	6.0	6.0
62.5°	22.3	18.6	15.0	12.3	10.2	8.3	7.4	6.6	5.7	5.1	5.0
60°	24.0	17.8	12.8	10.7	8.9	7.4	6.5	5.8	5.2	4.8	4.8
57.5°	23.2	15.9	10.3	8.6	7.2	6.3	5.6	5.1	4.5	4.0	3.9
55°	19.8	12.9	7.7	6.6	5.9	5.3	4.7	4.3	4.0	3.6	3.6
52.5°	14.5	9.9	6.9	5.8	5.5	5.1	4.8	4.6	4.5	4.4	4.3
50°	10.7	7.7	6.6	5.9	5.7	5.7	5.8	5.8	5.7	5.6	5.4
47.5°	8.7	7.5	6.7	6.1	6.2	6.8	7.0	7.0	6.9	6.8	6.6
45°	8.3	7.7	7.3	7.7	8.1	8.4	8.4	8.2	8.6	8.8	8.6
42.5°	9.2	9.3	10.0	10.6	10.2	10.9	11.6	11.6	12.2	12.6	12.6
40°	13.0	12.7	14.6	15.1	15.4	16.1	18.1	17.9	18.8	21.4	21.8
37.5°	18.6	19.7	20.9	22.1	25.3	27.4	31.4	34.6	36.3	41.2	44.9
35°	26.3	28.9	29.7	36.1	42.7	48.9	54.5	61.3	64.2	74.9	82.4
32.5°	37.3	42.7	50.0	60.6	73.1	87.9	87.3	109.9	118.1	140.2	165.5
30°	52.1	67.3	91.4	108.1	138.8	162.9	175.1	210.4	257.8	303.2	364.9
27.5°	84.7	116.6	160.2	217.7	247.7	284.1	339.0	381.2	489.6	593.1	669.0
25°	145.7	212.6	294.9	379.8	433.1	480.7	581.3	655.0	808.6	923.9	1088.4
22.5°	278.6	421.6	525.8	588.9	703.0	852.2	924.7	1127.5	1355.2	1645.9	1886.2
20°	469.4	694.5	926.7	1068.4	1198.7	1528.1	1672.5	2052.4	2536.5	3083.6	3539.6
17.5°	918.5	1124.2	1596.7	2057.1	2403.4	2728.7	3641.6	4293.6	5559.3	7108.3	7822.7
15°	1648.2	2223.2	2774.5	3609.6	4493.4	5476.6	6909.1	9382.3	12488.7	15875.9	19539.6
12.5°	2672.0	3721.5	4707.8	5759.0	7024.2	9440.2	12706.3	17025.8	22607.3	28595.7	35510.2
10°	3822.2	5419.4	6860.0	8447.1	10693.6	14282.8	19123.9	25787.4	35727.2	45887.4	54700.5
7.5°	4852.2	6786.7	8740.7	11037.9	14598.9	19725.1	26690.0	37094.2	50074.5	62647.9	73368.7
5°	5839.2	8099.1	10326.3	13064.3	17552.2	24242.5	33256.3	47529.7	63939.1	77890.3	89639.8
2.5°	6608.3	9126.1	11674.8	14894.9	20015.2	27627.3	37865.3	55141.3	74946.6	90419.1	103854.1
0°	7048.9	9463.3	12230.0	15566.2	21458.0	29749.7	40249.5	58645.2	78369.3	95563.8	108693.4
-2.5°	6962.6	9492.6	12321.1	15696.1	21280.7	29241.4	39591.9	57140.0	76771.6	92272.3	104994.5
-5°	6523.1	8837.8	11331.5	14292.6	19220.2	26474.0	36636.7	53127.3	71346.5	86850.8	99781.0
-7.5°	5837.7	7884.5	10055.4	12632.6	16800.1	23112.0	31847.5	44687.4	60829.7	74871.8	84563.2
-10°	5089.6	6890.6	8849.7	11182.0	14468.9	19417.1	26035.8	35311.1	48513.5	60214.4	69203.9
-12.5°	4380.3	6017.6	7721.8	9669.3	12157.2	16054.5	21085.0	28009.7	36520.2	46138.5	55320.8
-15°	3700.0	5137.9	6625.0	8427.7	10591.3	13235.5	16617.3	21276.4	26867.7	33171.8	39972.2
-17.5°	3052.4	4315.0	5714.1	7288.2	9076.1	11096.4	13932.5	17127.4	20677.0	24784.5	28678.8
-20°	2394.7	3561.3	4830.9	6232.3	7836.4	9678.0	11696.2	14096.0	16664.0	19470.4	22383.7



REPORT NUMBER: P701329 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1827.7	2821.8	3932.6	5208.4	6714.4	8337.8	9903.2	11478.4	13378.3	15229.2	17088.0
-25°	1279.9	2068.2	3105.4	4324.9	5603.7	6960.5	8122.3	9232.6	10551.9	11738.6	12974.3
-27.5°	941.3	1482.9	2340.6	3422.3	4569.1	5499.7	6477.9	7388.6	8344.0	9097.1	9967.5
-30°	717.8	1029.6	1667.0	2510.7	3430.9	4241.8	4996.6	5821.4	6606.9	7260.7	7807.9
-32.5°	654.7	773.5	1096.1	1683.9	2349.0	3068.5	3721.6	4439.5	5098.5	5642.3	6077.9
-35°	615.3	679.7	773.7	1070.4	1460.4	2028.5	2573.5	3161.4	3707.6	4156.2	4516.9
-37.5°	581.6	638.2	693.6	749.4	964.2	1203.8	1597.2	2022.7	2391.7	2801.9	3122.2
-40°	539.9	603.4	648.2	694.0	745.6	805.6	1013.1	1199.5	1408.1	1697.8	1937.5
-42.5°	494.0	547.7	603.5	648.4	688.1	730.4	777.5	824.1	920.0	1041.8	1140.9
-45°	464.0	499.3	539.9	590.8	637.3	672.5	707.5	741.4	773.4	802.2	826.3
-47.5°	431.6	461.5	494.4	529.5	563.9	603.0	639.8	670.5	694.8	718.0	738.8
-50°	402.7	424.8	452.6	479.8	506.9	534.8	562.2	585.9	609.4	630.6	651.2
-52.5°	379.3	398.0	416.3	434.5	456.5	478.0	498.3	516.6	533.2	547.7	562.9
-55°	340.1	363.6	386.9	403.2	417.1	430.6	443.9	459.0	472.2	483.6	494.3
-57.5°	286.7	315.2	341.2	360.2	378.2	395.2	407.0	415.6	424.0	432.0	439.2
-60°	230.1	251.5	276.3	300.8	323.3	343.7	356.9	368.1	377.5	385.5	392.5
-62.5°	177.8	196.1	216.4	236.1	254.3	272.2	289.7	304.9	318.0	329.1	338.1
-65°	129.6	145.5	162.8	179.5	195.5	211.3	225.8	238.9	250.8	261.5	271.4
-67.5°	92.2	103.9	116.5	127.8	140.5	154.3	168.0	180.2	191.1	199.7	206.1
-70°	67.8	74.4	82.7	92.4	102.9	112.9	122.7	132.1	141.1	148.8	155.7
-72.5°	48.2	55.1	61.6	67.8	74.3	80.8	87.5	94.4	101.5	107.4	112.6
-75°	26.5	29.9	35.4	40.8	46.1	51.0	55.5	59.4	62.8	65.6	68.0
-77.5°	18.8	21.0	23.3	25.6	27.7	30.4	33.1	35.9	38.6	40.8	42.9
-80°	14.5	15.8	17.1	18.6	20.0	21.9	23.7	25.6	27.5	28.9	30.1
-82.5°	10.6	11.5	12.5	13.4	14.3	15.4	16.6	17.7	18.8	19.5	20.3
-85°	7.5	8.1	8.8	9.5	10.2	11.2	12.2	13.2	14.2	14.9	15.6
-87.5°	5.8	6.2	6.5	6.9	7.2	8.1	9.0	9.9	10.9	11.2	11.5
-90°	3.6	3.6	3.6	3.6	3.6	3.3	3.0	2.7	2.4	2.1	1.8



REPORT NUMBER: P701329 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	11.5	12.1	12.1	12.1	12.1	12.1	11.5	10.9	10.3	9.7	9.1
87.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.7
85°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.7
82.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.7
80°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.7
77.5°	2.4	2.4	1.8	1.2	1.8	2.4	2.4	2.4	2.4	2.4	2.7
75°	2.7	2.4	1.8	1.2	1.8	2.4	2.7	3.0	3.2	3.4	3.6
72.5°	3.9	3.6	3.6	3.6	3.6	3.6	3.9	4.1	4.4	4.7	5.1
70°	4.3	3.7	3.6	3.6	3.6	3.7	4.3	4.9	5.4	5.9	6.4
67.5°	5.9	5.9	6.0	6.0	6.0	5.9	5.9	5.9	5.9	6.3	6.9
65°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.4	7.0
62.5°	4.9	4.9	4.8	4.8	4.8	4.9	4.9	5.0	5.1	5.7	6.6
60°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.2	5.8
57.5°	3.7	3.7	3.6	3.6	3.6	3.7	3.7	3.9	4.0	4.5	5.1
55°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.0	4.3
52.5°	4.1	3.7	3.6	3.6	3.6	3.7	4.1	4.3	4.4	4.5	4.6
50°	5.2	4.9	4.8	4.8	4.8	4.9	5.2	5.4	5.6	5.7	5.8
47.5°	6.4	6.1	6.0	6.0	6.0	6.1	6.4	6.6	6.8	6.9	7.0
45°	8.2	7.6	7.2	7.2	7.2	7.6	8.2	8.6	8.8	8.6	8.2
42.5°	12.5	12.2	12.0	12.1	12.0	12.2	12.5	12.6	12.6	12.2	11.6
40°	22.9	23.5	23.8	24.1	23.8	23.5	22.9	21.8	21.4	18.8	17.9
37.5°	47.0	46.1	44.0	44.6	44.0	46.1	47.0	44.9	41.2	36.3	34.6
35°	87.3	92.5	96.2	98.9	96.2	92.5	87.3	82.4	74.9	64.2	61.3
32.5°	174.9	182.1	180.0	176.2	180.0	182.1	174.9	165.5	140.2	118.1	109.9
30°	401.4	422.3	416.7	392.1	416.7	422.3	401.4	364.9	303.2	257.8	210.4
27.5°	723.6	774.2	807.3	790.3	807.3	774.2	723.6	669.0	593.1	489.6	381.2
25°	1230.2	1328.5	1398.9	1369.5	1398.9	1328.5	1230.2	1088.4	923.9	808.6	655.0
22.5°	2187.5	2348.9	2444.8	2469.9	2444.8	2348.9	2187.5	1886.2	1645.9	1355.2	1127.5
20°	4113.3	4242.0	4267.5	4203.8	4267.5	4242.0	4113.3	3539.6	3083.6	2536.5	2052.4
17.5°	9897.0	10491.4	10055.7	9598.4	10055.7	10491.4	9897.0	7822.7	7108.3	5559.3	4293.6
15°	22639.9	25150.2	26580.2	26872.0	26580.2	25150.2	22639.9	19539.6	15875.9	12488.7	9382.3
12.5°	39892.8	43938.2	45607.7	45451.7	45607.7	43938.2	39892.8	35510.2	28595.7	22607.3	17025.8
10°	60353.7	64678.8	68400.2	68437.9	68400.2	64678.8	60353.7	54700.5	45887.4	35727.2	25787.4
7.5°	80810.0	85797.9	89298.9	90297.7	89298.9	85797.9	80810.0	73368.7	62647.9	50074.5	37094.2
5°	98718.2	104893.5	108369.2	109430.6	108369.2	104893.5	98718.2	89639.8	77890.3	63939.1	47529.7
2.5°	114463.1	122028.1	125840.1	126432.7	125840.1	122028.1	114463.1	103854.1	90419.1	74946.6	55141.3
0°	118795.0	125538.6	130475.4	132232.7	130475.4	125538.6	118795.0	108693.4	95563.8	78369.3	58645.2
-2.5°	114524.3	120424.2	123366.6	124593.8	123366.6	120424.2	114524.3	104994.5	92272.3	76771.6	57140.0
-5°	107773.7	113279.7	117027.0	117894.8	117027.0	113279.7	107773.7	99781.0	86850.8	71346.5	53127.3
-7.5°	90955.2	96374.6	98058.4	99967.2	98058.4	96374.6	90955.2	84563.2	74871.8	60829.7	44687.4
-10°	75994.8	80210.8	81370.3	82722.7	81370.3	80210.8	75994.8	69203.9	60214.4	48513.5	35311.1
-12.5°	62879.2	67055.2	68945.8	70563.8	68945.8	67055.2	62879.2	55320.8	46138.5	36520.2	28009.7
-15°	46067.5	49992.5	51348.3	52223.7	51348.3	49992.5	46067.5	39972.2	33171.8	26867.7	21276.4
-17.5°	33370.5	36359.7	38136.1	39165.9	38136.1	36359.7	33370.5	28678.8	24784.5	20677.0	17127.4
-20°	24944.4	26657.4	28033.4	28184.8	28033.4	26657.4	24944.4	22383.7	19470.4	16664.0	14096.0



REPORT NUMBER: P701329 (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°	18645.5	19665.8	20299.3	20261.1	20299.3	19665.8	18645.5	17088.0	15229.2	13378.3	11478.4
-25°	13916.7	14602.7	15038.9	15117.4	15038.9	14602.7	13916.7	12974.3	11738.6	10551.9	9232.6
-27.5°	10590.5	11073.5	11323.8	11337.1	11323.8	11073.5	10590.5	9967.5	9097.1	8344.0	7388.6
-30°	8205.1	8607.3	8874.2	9078.4	8874.2	8607.3	8205.1	7807.9	7260.7	6606.9	5821.4
-32.5°	6444.0	6787.3	7020.1	7158.7	7020.1	6787.3	6444.0	6077.9	5642.3	5098.5	4439.5
-35°	4831.0	5106.0	5270.6	5229.4	5270.6	5106.0	4831.0	4516.9	4156.2	3707.6	3161.4
-37.5°	3404.2	3637.3	3803.2	3908.1	3803.2	3637.3	3404.2	3122.2	2801.9	2391.7	2022.7
-40°	2145.0	2306.2	2420.9	2494.0	2420.9	2306.2	2145.0	1937.5	1697.8	1408.1	1199.5
-42.5°	1221.6	1281.9	1322.5	1344.1	1322.5	1281.9	1221.6	1140.9	1041.8	920.0	824.1
-45°	844.9	860.0	870.9	877.2	870.9	860.0	844.9	826.3	802.2	773.4	741.4
-47.5°	755.0	767.3	775.4	779.5	775.4	767.3	755.0	738.8	718.0	694.8	670.5
-50°	669.8	684.9	694.1	697.4	694.1	684.9	669.8	651.2	630.6	609.4	585.9
-52.5°	577.2	589.5	597.7	602.1	597.7	589.5	577.2	562.9	547.7	533.2	516.6
-55°	503.6	511.4	515.5	516.4	515.5	511.4	503.6	494.3	483.6	472.2	459.0
-57.5°	445.4	450.5	454.5	457.3	454.5	450.5	445.4	439.2	432.0	424.0	415.6
-60°	398.2	402.5	404.8	405.4	404.8	402.5	398.2	392.5	385.5	377.5	368.1
-62.5°	345.2	350.4	354.4	357.2	354.4	350.4	345.2	338.1	329.1	318.0	304.9
-65°	280.3	288.2	292.3	294.4	292.3	288.2	280.3	271.4	261.5	250.8	238.9
-67.5°	211.3	215.2	216.2	216.0	216.2	215.2	211.3	206.1	199.7	191.1	180.2
-70°	162.2	168.1	170.3	171.3	170.3	168.1	162.2	155.7	148.8	141.1	132.1
-72.5°	117.3	121.5	123.9	125.5	123.9	121.5	117.3	112.6	107.4	101.5	94.4
-75°	70.0	71.7	72.8	73.6	72.8	71.7	70.0	68.0	65.6	62.8	59.4
-77.5°	44.9	46.7	47.6	48.3	47.6	46.7	44.9	42.9	40.8	38.6	35.9
-80°	31.3	32.4	32.6	32.6	32.6	32.4	31.3	30.1	28.9	27.5	25.6
-82.5°	21.0	21.6	21.7	21.7	21.7	21.6	21.0	20.3	19.5	18.8	17.7
-85°	16.2	16.9	16.9	16.9	16.9	16.9	16.2	15.6	14.9	14.2	13.2
-87.5°	11.8	12.1	12.7	13.3	12.7	12.1	11.8	11.5	11.2	10.9	9.9
-90°	1.5	1.2	0.6	0.0	0.6	1.2	1.5	1.8	2.1	2.4	2.7



REPORT NUMBER: P701329 (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°	8.4	7.8	7.2	6.6	6.0	5.4	4.8	4.8	4.8	4.8	4.8
87.5°	3.0	3.3	3.6	3.6	3.6	3.6	3.6	3.9	4.2	4.5	4.8
85°	3.0	3.3	3.6	3.8	4.0	4.2	4.4	4.4	4.5	4.6	4.8
82.5°	3.0	3.3	3.6	3.9	4.2	4.5	4.8	4.8	4.8	4.8	4.8
80°	3.0	3.3	3.6	3.9	4.2	4.5	4.8	4.8	4.8	4.8	4.8
77.5°	3.1	3.4	3.7	4.0	4.3	4.6	4.8	4.8	4.8	4.8	4.8
75°	3.8	4.0	4.2	4.5	4.6	4.7	4.9	5.1	5.2	5.2	5.1
72.5°	5.4	5.6	5.9	6.3	6.4	6.6	6.6	6.5	6.3	6.2	5.9
70°	6.9	7.4	8.2	9.3	10.0	10.3	9.9	9.2	8.4	7.9	7.3
67.5°	7.6	8.2	9.8	11.5	12.8	13.8	13.8	13.1	12.1	11.1	9.4
65°	7.7	8.3	10.6	12.9	14.9	16.6	17.8	17.8	17.1	15.4	12.4
62.5°	7.4	8.3	10.2	12.3	15.0	18.6	22.3	23.6	23.5	20.7	16.7
60°	6.5	7.4	8.9	10.7	12.8	17.8	24.0	28.5	31.3	26.9	21.0
57.5°	5.6	6.3	7.2	8.6	10.3	15.9	23.2	31.4	36.6	30.7	25.1
55°	4.7	5.3	5.9	6.6	7.7	12.9	19.8	27.9	33.8	32.0	25.8
52.5°	4.8	5.1	5.5	5.8	6.9	9.9	14.5	22.1	26.6	26.2	24.2
50°	5.8	5.7	5.7	5.9	6.6	7.7	10.7	15.9	18.3	20.2	20.0
47.5°	7.0	6.8	6.2	6.1	6.7	7.5	8.7	10.1	13.0	14.0	15.3
45°	8.4	8.4	8.1	7.7	7.3	7.7	8.3	9.5	10.3	11.5	11.1
42.5°	11.6	10.9	10.2	10.6	10.0	9.3	9.2	10.3	10.6	10.9	11.7
40°	18.1	16.1	15.4	15.1	14.6	12.7	13.0	12.6	12.5	11.8	13.7
37.5°	31.4	27.4	25.3	22.1	20.9	19.7	18.6	17.6	16.0	16.4	17.4
35°	54.5	48.9	42.7	36.1	29.7	28.9	26.3	23.9	22.7	22.8	22.6
32.5°	87.3	87.9	73.1	60.6	50.0	42.7	37.3	31.9	33.2	32.1	29.5
30°	175.1	162.9	138.8	108.1	91.4	67.3	52.1	48.5	46.3	43.9	37.9
27.5°	339.0	284.1	247.7	217.7	160.2	116.6	84.7	69.4	62.1	57.3	52.2
25°	581.3	480.7	433.1	379.8	294.9	212.6	145.7	103.0	83.5	75.1	86.4
22.5°	924.7	852.2	703.0	588.9	525.8	421.6	278.6	143.3	117.2	125.3	126.6
20°	1672.5	1528.1	1198.7	1068.4	926.7	694.5	469.4	295.4	218.8	189.6	172.8
17.5°	3641.6	2728.7	2403.4	2057.1	1596.7	1124.2	918.5	611.0	351.0	264.2	224.5
15°	6909.1	5476.6	4493.4	3609.6	2774.5	2223.2	1648.2	1010.4	550.7	368.8	298.6
12.5°	12706.3	9440.2	7024.2	5759.0	4707.8	3721.5	2672.0	1645.6	886.3	528.6	410.6
10°	19123.9	14282.8	10693.6	8447.1	6860.0	5419.4	3822.2	2338.8	1266.2	709.6	525.2
7.5°	26690.0	19725.1	14598.9	11037.9	8740.7	6786.7	4852.2	3036.4	1650.2	894.3	640.6
5°	33256.3	24242.5	17552.2	13064.3	10326.3	8099.1	5839.2	3714.2	2022.3	1077.0	754.7
2.5°	37865.3	27627.3	20015.2	14894.9	11674.8	9126.1	6608.3	4213.2	2266.9	1203.5	822.9
0°	40249.5	29749.7	21458.0	15566.2	12230.0	9463.3	7048.9	4511.4	2414.4	1305.5	885.6
-2.5°	39591.9	29241.4	21280.7	15696.1	12321.1	9492.6	6962.6	4555.3	2474.2	1336.9	891.1
-5°	36636.7	26474.0	19220.2	14292.6	11331.5	8837.8	6523.1	4341.2	2422.4	1329.1	891.0
-7.5°	31847.5	23112.0	16800.1	12632.6	10055.4	7884.5	5837.7	3879.6	2208.2	1224.3	844.2
-10°	26035.8	19417.1	14468.9	11182.0	8849.7	6890.6	5089.6	3366.2	1939.6	1103.5	793.1
-12.5°	21085.0	16054.5	12157.2	9669.3	7721.8	6017.6	4380.3	2837.4	1619.8	969.4	738.7
-15°	16617.3	13235.5	10591.3	8427.7	6625.0	5137.9	3700.0	2312.6	1278.6	829.8	681.5
-17.5°	13932.5	11096.4	9076.1	7288.2	5714.1	4315.0	3052.4	1890.3	1061.1	726.9	633.8
-20°	11696.2	9678.0	7836.4	6232.3	4830.9	3561.3	2394.7	1437.4	889.6	673.0	594.3



REPORT NUMBER: P701329 (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°	9903.2	8337.8	6714.4	5208.4	3932.6	2821.8	1827.7	1053.0	700.4	618.3	552.5
-25°	8122.3	6960.5	5603.7	4324.9	3105.4	2068.2	1279.9	849.7	646.3	567.4	508.7
-27.5°	6477.9	5499.7	4569.1	3422.3	2340.6	1482.9	941.3	676.2	602.4	532.7	465.5
-30°	4996.6	4241.8	3430.9	2510.7	1667.0	1029.6	717.8	628.8	563.7	499.3	435.1
-32.5°	3721.6	3068.5	2349.0	1683.9	1096.1	773.5	654.7	584.4	525.9	466.8	415.2
-35°	2573.5	2028.5	1460.4	1070.4	773.7	679.7	615.3	552.3	489.7	436.7	396.4
-37.5°	1597.2	1203.8	964.2	749.4	693.6	638.2	581.6	517.8	456.2	414.2	379.1
-40°	1013.1	805.6	745.6	694.0	648.2	603.4	539.9	477.9	433.8	392.6	362.3
-42.5°	777.5	730.4	688.1	648.4	603.5	547.7	494.0	452.0	411.8	376.1	350.4
-45°	707.5	672.5	637.3	590.8	539.9	499.3	464.0	426.4	390.6	363.5	340.1
-47.5°	639.8	603.0	563.9	529.5	494.4	461.5	431.6	400.5	375.3	350.5	317.4
-50°	562.2	534.8	506.9	479.8	452.6	424.8	402.7	383.3	355.8	323.8	289.0
-52.5°	498.3	478.0	456.5	434.5	416.3	398.0	379.3	353.4	324.8	288.4	250.2
-55°	443.9	430.6	417.1	403.2	386.9	363.6	340.1	312.8	280.1	244.5	210.8
-57.5°	407.0	395.2	378.2	360.2	341.2	315.2	286.7	258.6	232.6	202.1	171.2
-60°	356.9	343.7	323.3	300.8	276.3	251.5	230.1	208.0	185.2	159.8	133.6
-62.5°	289.7	272.2	254.3	236.1	216.4	196.1	177.8	159.4	139.4	118.0	100.1
-65°	225.8	211.3	195.5	179.5	162.8	145.5	129.6	114.9	100.8	85.7	70.9
-67.5°	168.0	154.3	140.5	127.8	116.5	103.9	92.2	80.0	71.2	63.6	55.7
-70°	122.7	112.9	102.9	92.4	82.7	74.4	67.8	61.5	54.7	47.0	39.2
-72.5°	87.5	80.8	74.3	67.8	61.6	55.1	48.2	41.4	34.6	27.9	23.0
-75°	55.5	51.0	46.1	40.8	35.4	29.9	26.5	24.1	21.8	19.5	17.3
-77.5°	33.1	30.4	27.7	25.6	23.3	21.0	18.8	17.1	16.0	14.9	13.9
-80°	23.7	21.9	20.0	18.6	17.1	15.8	14.5	13.7	12.9	12.1	11.4
-82.5°	16.6	15.4	14.3	13.4	12.5	11.5	10.6	10.1	9.7	9.2	8.8
-85°	12.2	11.2	10.2	9.5	8.8	8.1	7.5	7.4	7.3	7.1	7.0
-87.5°	9.0	8.1	7.2	6.9	6.5	6.2	5.8	5.8	5.7	5.7	5.6
-90°	3.0	3.3	3.6	3.6	3.6	3.6	3.6	3.9	4.2	4.5	4.8



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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°	4.8	4.8	4.8	4.8	5.1	5.4	5.7	6.0	5.7	5.4	5.1
87.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.9	5.0	5.1
85°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.0	5.2	5.3
82.5°	4.8	4.8	4.8	4.8	5.0	5.1	5.2	5.1	5.2	5.4	5.6
80°	4.8	4.8	4.8	4.8	5.1	5.4	5.6	5.6	5.6	5.6	5.8
77.5°	4.8	4.8	4.8	4.9	5.2	5.5	5.8	6.0	5.9	5.8	5.9
75°	4.8	4.8	4.8	4.9	5.2	5.5	5.8	6.0	6.0	6.0	6.0
72.5°	5.6	5.3	5.1	5.0	5.2	5.5	5.8	6.0	6.0	6.0	6.0
70°	6.6	6.1	5.8	5.5	5.5	5.6	5.9	6.0	6.0	6.0	6.0
67.5°	7.8	7.1	6.5	6.1	5.8	5.8	5.9	6.0	6.0	6.0	6.0
65°	10.5	8.7	7.1	6.5	6.1	6.0	6.0	6.0	6.0	6.0	6.0
62.5°	13.4	10.9	9.0	7.3	6.4	6.1	6.0	6.0	6.0	6.0	6.0
60°	16.4	13.2	10.8	8.9	7.1	6.1	6.0	6.0	6.0	6.0	6.0
57.5°	19.3	15.0	12.4	10.3	8.4	6.7	6.0	6.0	6.0	6.0	6.0
55°	21.0	16.5	13.6	11.3	9.4	7.7	6.3	6.0	6.0	6.0	6.0
52.5°	20.0	17.2	14.6	12.0	9.9	8.5	7.1	6.0	6.0	6.0	6.0
50°	17.5	16.9	15.1	12.5	10.3	8.9	7.8	6.5	6.0	6.0	6.1
47.5°	15.9	16.2	15.1	12.8	10.4	9.3	8.3	7.1	6.0	6.0	6.2
45°	14.0	15.3	15.0	13.1	10.7	9.7	8.6	7.5	6.4	6.1	6.3
42.5°	12.6	14.6	14.7	13.5	11.6	10.0	8.9	7.8	6.7	6.1	6.4
40°	14.3	14.3	14.7	14.4	12.8	10.4	9.2	8.1	7.0	6.3	6.4
37.5°	17.1	16.0	15.2	16.8	14.4	11.5	9.5	8.3	7.4	6.7	6.5
35°	21.6	19.3	18.8	20.3	17.6	12.8	9.8	8.5	8.0	7.0	6.6
32.5°	27.2	25.6	25.2	24.5	21.9	14.1	10.6	9.4	8.6	7.3	6.6
30°	36.2	37.2	32.7	29.6	26.8	18.1	12.3	10.5	9.4	7.6	6.8
27.5°	55.9	52.3	42.0	36.4	31.7	23.2	15.0	11.6	10.3	8.1	7.0
25°	82.1	72.3	56.8	44.2	37.1	36.3	18.2	13.0	11.2	8.7	7.3
22.5°	116.2	96.8	74.0	52.6	56.7	53.3	25.2	15.5	12.3	9.5	7.5
20°	155.2	124.9	97.6	81.3	79.6	70.5	37.6	18.2	13.4	10.2	7.7
17.5°	198.2	172.3	148.1	118.5	103.9	89.6	52.2	21.1	14.6	11.0	7.9
15°	275.1	243.5	203.0	158.9	129.3	110.1	68.3	24.0	15.7	11.8	8.3
12.5°	363.1	318.3	260.8	201.7	155.5	131.8	85.6	26.9	16.9	12.9	8.9
10°	453.6	395.6	320.6	246.0	182.3	154.1	103.3	30.7	19.4	14.3	9.5
7.5°	545.4	473.8	381.0	290.7	209.5	177.9	122.9	36.5	22.1	15.6	10.2
5°	631.0	542.6	431.9	329.4	238.5	202.8	142.0	42.3	24.9	16.9	10.9
2.5°	689.5	594.8	474.6	364.6	266.9	227.0	159.6	47.8	27.6	18.2	11.5
0°	744.5	643.1	514.0	397.0	294.4	249.8	175.0	53.1	30.2	19.3	12.1
-2.5°	754.6	651.3	519.5	405.2	305.7	258.6	180.9	62.7	36.6	22.7	13.8
-5°	760.5	654.5	521.4	410.5	315.6	265.3	184.2	71.6	42.6	26.0	15.4
-7.5°	730.8	633.5	511.5	411.2	324.0	269.8	185.3	79.7	48.1	29.0	16.8
-10°	690.9	596.6	486.0	396.0	321.4	269.1	184.2	86.8	53.0	31.6	18.1
-12.5°	649.1	556.9	459.5	380.0	316.6	264.2	180.8	93.1	57.2	33.8	19.3
-15°	605.9	515.3	432.9	363.7	311.6	258.4	176.3	98.4	61.2	35.8	20.2
-17.5°	563.7	472.2	406.8	347.7	306.6	252.0	170.9	102.3	64.3	37.7	21.2
-20°	523.1	439.4	382.5	332.5	301.9	245.1	164.9	104.7	66.3	39.0	22.1



REPORT NUMBER: P701329 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	482.2	416.9	366.6	324.1	295.0	238.1	158.7	105.6	67.2	39.4	22.7
-25°	442.7	395.0	351.7	318.3	284.7	227.9	155.6	104.9	66.9	39.0	23.1
-27.5°	414.5	375.1	337.2	311.9	272.6	218.2	154.1	104.3	65.7	37.7	23.0
-30°	391.9	358.8	328.0	302.9	260.2	203.9	150.5	102.1	64.2	36.8	22.6
-32.5°	375.6	343.5	319.5	288.5	244.2	188.6	141.7	98.1	61.4	36.3	22.0
-35°	362.3	333.1	309.8	274.1	226.0	175.3	130.3	92.4	57.3	35.2	21.2
-37.5°	348.2	324.9	294.2	256.9	207.1	160.5	118.9	83.3	51.8	33.6	19.9
-40°	338.9	312.9	279.3	235.6	188.8	144.2	106.1	74.1	48.4	31.5	18.2
-42.5°	328.3	295.4	256.9	213.3	169.5	128.8	92.5	64.2	44.4	29.0	16.1
-45°	307.9	272.9	230.4	189.4	149.1	111.9	80.9	54.5	39.7	26.2	14.2
-47.5°	283.3	242.4	202.6	164.0	128.8	94.9	68.6	48.7	34.6	22.7	13.0
-50°	248.7	210.5	173.5	139.4	106.7	80.6	57.1	42.4	29.6	18.3	11.6
-52.5°	213.1	177.4	145.2	114.6	88.8	65.7	49.3	35.7	24.3	15.4	9.9
-55°	176.7	146.0	117.7	93.1	71.1	54.8	41.0	29.2	18.7	13.2	8.3
-57.5°	142.8	115.7	93.6	72.9	57.5	44.8	32.9	22.5	15.4	10.9	8.4
-60°	109.7	90.0	70.7	57.9	46.5	35.2	24.9	16.8	12.8	9.0	8.4
-62.5°	82.2	66.4	56.4	46.0	35.8	26.0	17.5	14.0	10.3	8.9	8.4
-65°	62.1	53.0	43.7	34.4	25.3	18.1	14.6	11.2	9.4	8.7	8.3
-67.5°	47.6	39.0	30.7	22.6	18.1	14.8	11.6	9.9	8.9	8.4	8.0
-70°	31.7	24.4	20.3	17.2	14.2	11.6	10.2	9.1	8.4	8.0	7.6
-72.5°	20.6	18.0	15.4	12.9	11.7	10.5	9.2	8.3	8.0	7.6	7.3
-75°	15.1	13.8	12.7	11.7	10.5	9.4	8.4	7.8	7.5	7.2	6.9
-77.5°	12.9	12.0	11.2	10.2	9.2	8.3	7.7	7.3	7.1	6.8	6.6
-80°	10.6	9.8	9.0	8.2	7.6	7.2	7.0	6.8	6.6	6.4	6.2
-82.5°	8.2	7.6	7.2	6.9	6.7	6.6	6.5	6.3	6.2	6.0	5.9
-85°	6.7	6.5	6.3	6.2	6.1	6.0	6.0	6.0	5.9	5.8	5.6
-87.5°	5.6	5.6	5.5	5.5	5.6	5.7	5.8	6.0	5.8	5.6	5.4
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8



REPORT NUMBER: P701329 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.8	5.1	5.4	5.7	6.0	5.4	4.8
87.5°	5.1	5.1	5.0	5.0	4.9	4.9	4.8
85°	5.4	5.3	5.2	5.1	5.0	4.9	4.8
82.5°	5.7	5.6	5.4	5.3	5.1	5.0	4.8
80°	6.0	5.8	5.6	5.4	5.2	5.0	4.8
77.5°	6.0	6.0	5.8	5.6	5.3	5.1	4.8
75°	6.0	6.0	6.0	5.7	5.4	5.1	4.8
72.5°	6.0	6.0	6.0	5.9	5.5	5.2	4.8
70°	6.0	6.0	6.0	6.0	5.6	5.2	4.8
67.5°	6.0	6.0	6.0	6.0	5.7	5.3	4.8
65°	6.0	6.0	6.0	6.0	5.8	5.3	4.8
62.5°	6.0	6.0	6.0	6.0	5.9	5.4	4.8
60°	6.0	6.0	6.0	6.0	6.0	5.4	4.8
57.5°	6.0	6.0	6.0	6.0	6.0	5.4	4.8
55°	6.0	6.0	6.0	6.0	6.0	5.5	4.8
52.5°	6.0	6.0	6.0	6.0	6.0	5.5	4.8
50°	6.0	6.0	6.0	6.0	6.0	5.6	4.8
47.5°	6.0	6.0	6.0	6.0	6.0	5.6	4.8
45°	6.1	6.0	6.0	6.0	6.0	5.6	4.8
42.5°	6.2	6.0	6.0	6.0	6.0	5.7	4.8
40°	6.4	6.0	6.0	6.0	6.0	5.7	4.8
37.5°	6.5	6.0	6.0	6.0	6.0	5.8	4.8
35°	6.7	6.1	6.0	6.0	6.0	5.8	4.8
32.5°	6.8	6.2	6.0	6.0	6.0	5.8	4.8
30°	6.9	6.3	6.0	6.0	6.0	5.8	4.8
27.5°	7.0	6.5	6.0	6.0	6.0	5.9	4.8
25°	7.0	6.6	6.0	6.0	6.0	5.9	4.8
22.5°	7.1	6.7	6.0	6.0	6.0	5.9	4.8
20°	7.2	6.8	6.0	6.0	6.0	5.9	4.8
17.5°	7.3	6.9	6.0	6.0	6.0	5.9	4.8
15°	7.4	7.0	6.0	6.0	6.0	6.0	4.8
12.5°	7.5	7.1	6.0	6.0	6.0	6.0	4.8
10°	7.7	7.1	6.0	6.0	6.0	6.0	4.8
7.5°	7.9	7.1	6.0	6.0	6.0	6.0	4.8
5°	8.1	7.2	6.0	6.0	6.0	6.0	4.8
2.5°	8.2	7.2	6.0	6.0	6.0	6.0	4.8
0°	8.4	7.2	6.0	6.0	6.0	6.0	4.8
-2.5°	9.2	7.3	6.0	6.0	6.0	6.0	4.8
-5°	10.0	7.4	6.0	6.0	6.0	6.0	4.8
-7.5°	10.7	7.5	6.0	6.0	6.0	6.0	4.8
-10°	11.3	7.6	6.0	6.0	6.0	6.0	4.8
-12.5°	11.8	7.6	6.0	6.0	6.0	6.0	4.8
-15°	12.2	7.6	6.0	6.0	6.0	6.0	4.8
-17.5°	12.4	7.6	6.0	6.0	6.0	6.0	4.8
-20°	12.6	7.6	6.0	6.0	6.0	5.9	4.8



REPORT NUMBER: P701329 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	12.9	7.5	6.0	6.0	6.0	5.9	4.8
-25°	12.9	7.5	6.0	6.0	6.0	5.9	4.8
-27.5°	12.7	7.4	6.0	6.0	6.0	5.9	4.8
-30°	12.3	7.3	6.0	6.0	6.0	5.9	4.8
-32.5°	11.5	7.2	6.1	6.0	6.0	5.9	4.8
-35°	11.1	6.9	6.2	6.0	6.0	5.8	4.8
-37.5°	10.7	6.6	6.3	6.0	6.0	5.8	4.8
-40°	10.2	6.7	6.4	6.0	6.0	5.8	4.8
-42.5°	9.5	6.8	6.4	6.0	6.0	5.8	4.8
-45°	8.7	6.9	6.5	6.0	6.0	5.8	4.8
-47.5°	7.7	7.0	6.5	6.1	6.0	5.8	4.8
-50°	7.6	7.1	6.5	6.1	6.0	5.7	4.8
-52.5°	7.7	7.2	6.5	6.1	6.0	5.7	4.8
-55°	7.8	7.2	6.5	6.1	6.0	5.7	4.8
-57.5°	7.9	7.1	6.5	6.1	6.0	5.7	4.8
-60°	7.9	7.0	6.4	6.1	6.0	5.7	4.8
-62.5°	7.8	7.0	6.4	6.1	6.0	5.6	4.8
-65°	7.6	6.8	6.3	6.1	6.0	5.6	4.8
-67.5°	7.4	6.7	6.3	6.0	6.0	5.6	4.8
-70°	7.1	6.6	6.2	6.0	6.0	5.6	4.8
-72.5°	6.9	6.4	6.1	6.0	6.0	5.6	4.8
-75°	6.6	6.2	6.0	5.9	6.0	5.5	4.8
-77.5°	6.3	6.1	5.9	5.9	6.0	5.5	4.8
-80°	6.0	5.9	5.8	5.9	6.0	5.5	4.8
-82.5°	5.7	5.7	5.7	5.8	6.0	5.5	4.8
-85°	5.4	5.5	5.6	5.8	6.0	5.5	4.8
-87.5°	5.1	5.3	5.5	5.7	6.0	5.4	4.8
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8

(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

