

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: P701425 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-70-4S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701425 (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-57-70-4S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

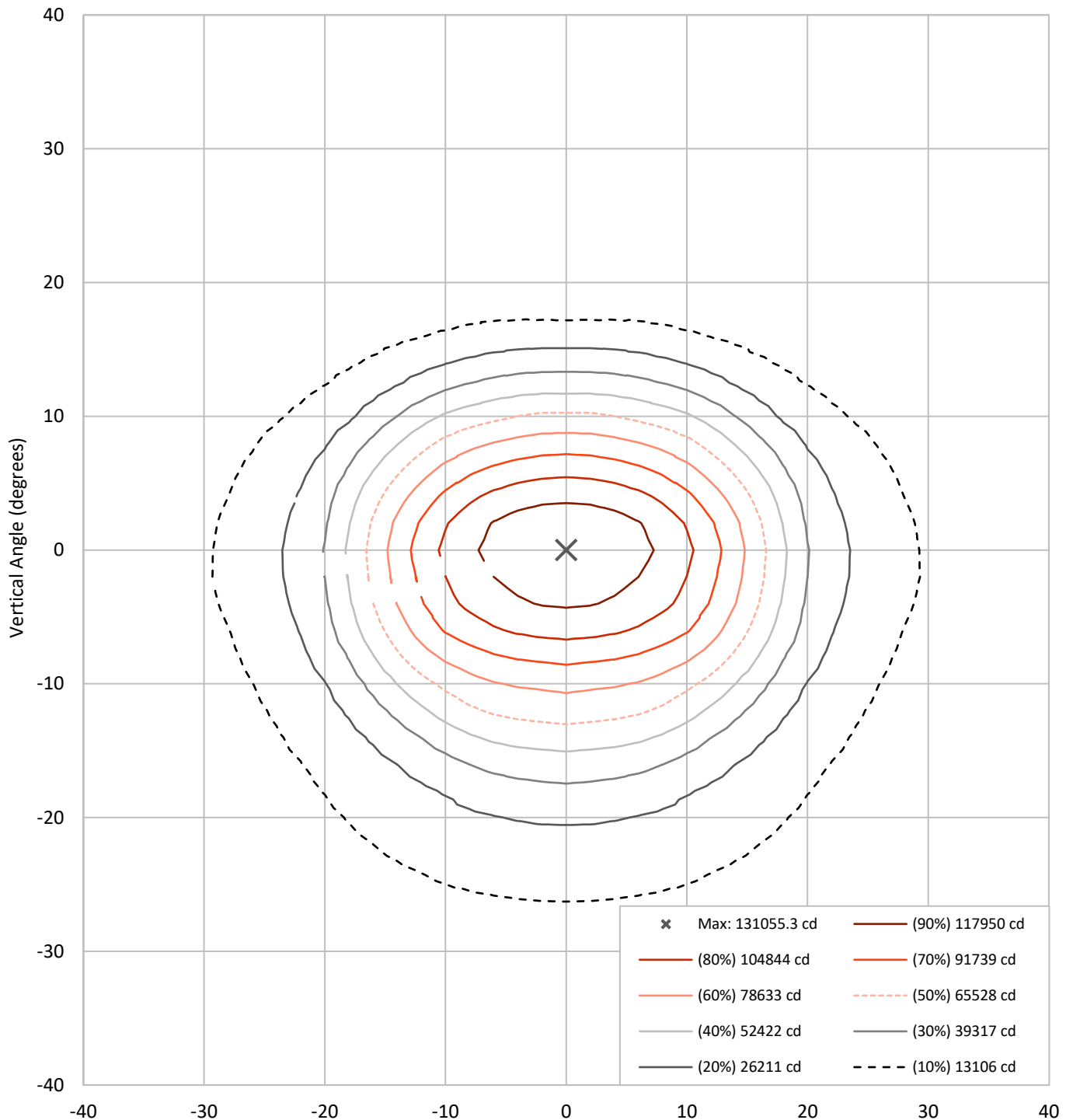
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 3V
Luminaire Lumens:	34596.3 lumens	Max Intensity:	131055.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	100.5 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:	17504.6 lumens	Field Lumens:	29836.3 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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CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-CV5-S

Iso-Candela Plot





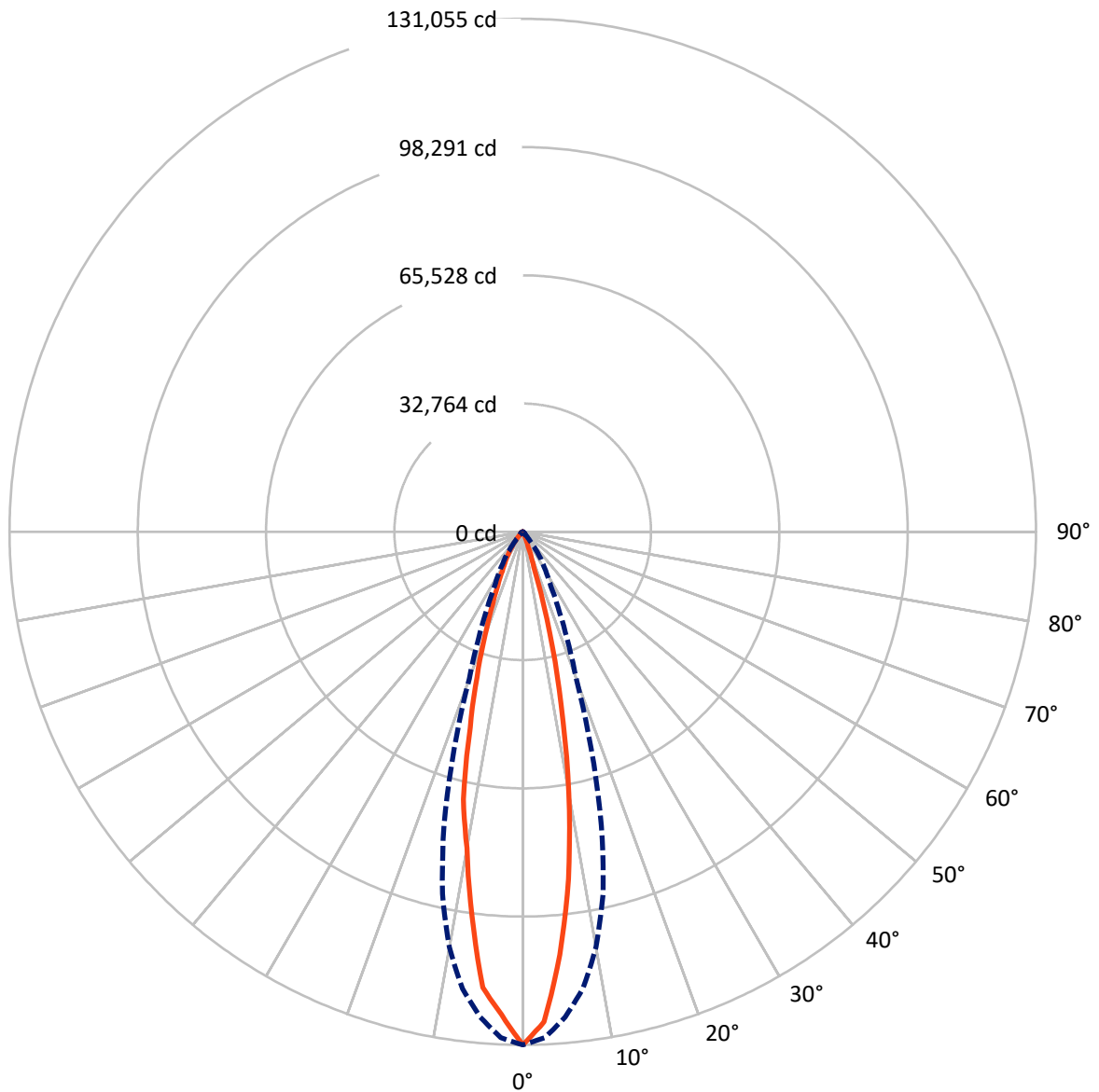
REPORT NUMBER: P701425 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

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	5.2	14.4	29.9	49.6	49.6	29.9	14.4	5.2	1.9	0.9	0.2	0.2
10		0.6	3.0	7.8	46.7	145.9	444.5	830.8	830.8	444.5	145.9	46.7	7.8	3.0	0.6	
0	0.2	1.1	6.0	19.7	144.9	510.6	1767.6	3008.0	3008.0	1767.6	510.6	144.9	19.7	6.0	1.1	0.2
-10		1.5	7.4	23.7	161.5	563.3	1946.9	3196.1	3196.1	1946.9	563.3	161.5	23.7	7.4	1.5	
-20	0.3	1.6	6.6	16.6	95.7	310.5	861.6	1514.2	1514.2	861.6	310.5	95.7	16.6	6.6	1.6	0.3
-30		1.5	5.5	11.1	40.0	155.2	319.9	465.8	465.8	319.9	155.2	40.0	11.1	5.5	1.5	
-40	0.3	1.3	4.6	8.7	16.2	48.3	109.7	155.7	155.7	109.7	48.3	16.2	8.7	4.6	1.3	0.3
-50		0.8	3.3	7.1	11.6	17.3	25.0	32.8	32.8	25.0	17.3	11.6	7.1	3.3	0.8	
-60	0.2	0.4	1.7	4.5	8.2	11.4	14.0	15.7	15.7	14.0	11.4	8.2	4.5	1.7	0.4	0.2
-70		0.2	0.6	1.7	3.4	5.5	7.4	8.5	8.5	7.4	5.5	3.4	1.7	0.6	0.2	
-80																
-90	0.1	0.5		1.6		4.2		6.1		4.2		1.6		0.5		0.1

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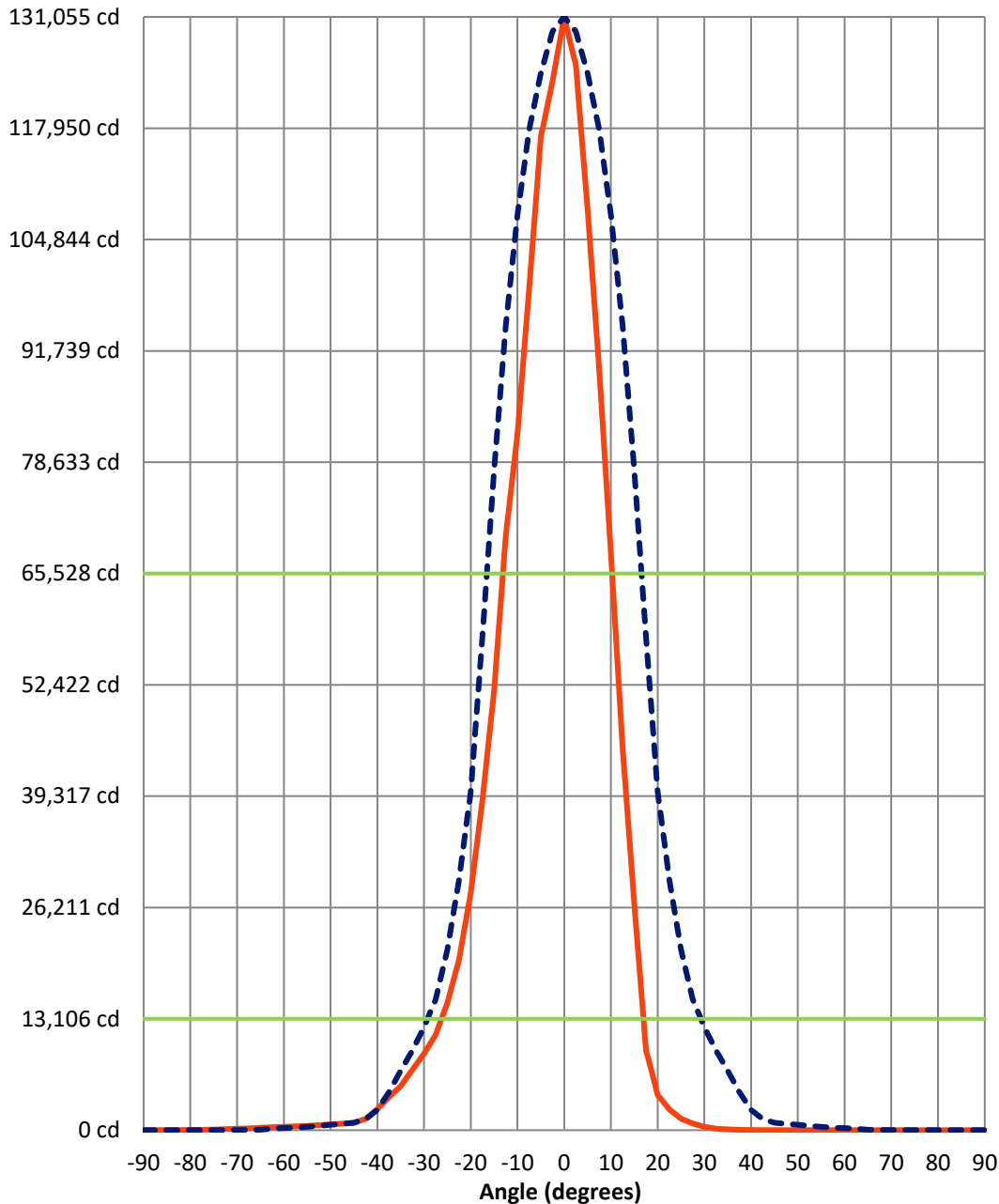
Luminous Intensity Polar Plot



— 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: 17504.6
 Efficiency: 50.6%

Field:
 H Angle: 58.5°
 V Angle: 43.2°
 Lumens: 29836.3
 Efficiency: 86.2%

Spill:
 Lumens: 4760.1
 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	7.9	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	10.4
27.5°	4.8	5.9	6.0	6.0	6.0	6.5	7.0	7.0	8.1	10.2	11.5
25°	4.8	5.9	6.0	6.0	6.0	6.6	7.0	7.3	8.7	11.2	12.9
22.5°	4.8	5.9	6.0	6.0	6.0	6.7	7.1	7.5	9.4	12.2	15.4
20°	4.8	5.9	6.0	6.0	6.0	6.8	7.2	7.7	10.2	13.3	18.0
17.5°	4.8	5.9	6.0	6.0	6.0	6.9	7.3	7.9	10.9	14.4	20.9
15°	4.8	6.0	6.0	6.0	6.0	7.0	7.4	8.3	11.7	15.6	23.7
12.5°	4.8	6.0	6.0	6.0	6.0	7.1	7.5	8.9	12.8	16.8	26.7
10°	4.8	6.0	6.0	6.0	6.0	7.1	7.7	9.5	14.1	19.2	30.4
7.5°	4.8	6.0	6.0	6.0	6.0	7.1	7.9	10.2	15.5	21.9	36.2
5°	4.8	6.0	6.0	6.0	6.0	7.2	8.1	10.8	16.8	24.6	41.8
2.5°	4.8	6.0	6.0	6.0	6.0	7.2	8.2	11.4	18.0	27.3	47.4
0°	4.8	6.0	6.0	6.0	6.0	7.2	8.4	12.0	19.1	29.9	52.6
-2.5°	4.8	6.0	6.0	6.0	6.0	7.3	9.2	13.7	22.5	36.2	62.1
-5°	4.8	6.0	6.0	6.0	6.0	7.4	9.9	15.2	25.8	42.2	71.0
-7.5°	4.8	6.0	6.0	6.0	6.0	7.5	10.6	16.7	28.7	47.7	79.0
-10°	4.8	6.0	6.0	6.0	6.0	7.6	11.2	18.0	31.3	52.5	86.1
-12.5°	4.8	6.0	6.0	6.0	6.0	7.6	11.7	19.1	33.5	56.7	92.4
-15°	4.8	6.0	6.0	6.0	6.0	7.6	12.1	20.0	35.5	60.7	97.5
-17.5°	4.8	6.0	6.0	6.0	6.0	7.6	12.3	21.0	37.4	63.8	101.4
-20°	4.8	5.9	6.0	6.0	6.0	7.6	12.5	21.9	38.6	65.8	103.8



REPORT NUMBER: P701425 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-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	12.8	22.6	39.0	66.6	104.7
-25°	4.8	5.9	6.0	6.0	6.0	7.5	12.8	22.9	38.6	66.3	104.0
-27.5°	4.8	5.9	6.0	6.0	6.0	7.4	12.6	22.8	37.3	65.1	103.4
-30°	4.8	5.9	6.0	6.0	6.0	7.3	12.2	22.4	36.5	63.6	101.1
-32.5°	4.8	5.9	6.0	6.0	6.1	7.1	11.5	21.9	36.0	60.8	97.2
-35°	4.8	5.8	6.0	6.0	6.2	6.9	11.0	21.0	34.9	56.7	91.5
-37.5°	4.8	5.8	6.0	6.0	6.3	6.6	10.7	19.7	33.3	51.3	82.5
-40°	4.8	5.8	6.0	6.0	6.4	6.7	10.1	18.0	31.2	47.9	73.4
-42.5°	4.8	5.8	6.0	6.0	6.4	6.8	9.5	15.9	28.8	44.0	63.6
-45°	4.8	5.8	6.0	6.0	6.5	6.9	8.6	14.1	25.9	39.4	54.0
-47.5°	4.8	5.8	6.0	6.1	6.5	7.0	7.7	12.9	22.5	34.3	48.3
-50°	4.8	5.7	6.0	6.1	6.5	7.1	7.6	11.5	18.1	29.4	42.0
-52.5°	4.8	5.7	6.0	6.1	6.5	7.2	7.7	9.9	15.3	24.1	35.4
-55°	4.8	5.7	6.0	6.1	6.5	7.2	7.8	8.3	13.0	18.5	29.0
-57.5°	4.8	5.7	6.0	6.1	6.5	7.1	7.9	8.4	10.8	15.2	22.3
-60°	4.8	5.7	6.0	6.1	6.4	7.0	7.9	8.4	9.0	12.7	16.6
-62.5°	4.8	5.6	6.0	6.1	6.4	7.0	7.8	8.4	8.8	10.2	13.9
-65°	4.8	5.6	6.0	6.1	6.3	6.8	7.6	8.3	8.7	9.4	11.1
-67.5°	4.8	5.6	6.0	6.0	6.3	6.7	7.4	8.0	8.4	8.9	9.8
-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-57-70-4S-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	9.1
67.5°	5.9	5.8	5.8	6.1	6.5	7.1	7.8	9.4	11.0	12.0	13.0
65°	6.0	6.0	6.1	6.5	7.1	8.7	10.4	12.3	15.3	17.0	17.7
62.5°	6.0	6.1	6.4	7.3	9.0	10.8	13.3	16.5	20.5	23.3	23.4
60°	6.0	6.1	7.1	8.8	10.8	13.1	16.3	20.8	26.6	31.0	28.3
57.5°	6.0	6.7	8.4	10.2	12.3	14.9	19.1	24.8	30.4	36.3	31.2
55°	6.3	7.7	9.3	11.2	13.5	16.4	20.8	25.6	31.7	33.5	27.6
52.5°	7.1	8.5	9.9	11.9	14.5	17.0	19.8	24.0	25.9	26.3	21.9
50°	7.8	8.9	10.2	12.4	14.9	16.7	17.3	19.8	19.9	18.1	15.7
47.5°	8.2	9.2	10.3	12.7	14.9	16.0	15.7	15.1	13.9	12.8	10.0
45°	8.6	9.6	10.6	12.9	14.8	15.2	13.8	11.0	11.4	10.2	9.5
42.5°	8.9	9.9	11.5	13.4	14.6	14.4	12.5	11.6	10.8	10.5	10.3
40°	9.2	10.3	12.7	14.3	14.6	14.1	14.2	13.6	11.7	12.4	12.5
37.5°	9.4	11.4	14.3	16.7	15.0	15.8	16.9	17.2	16.2	15.8	17.5
35°	9.7	12.7	17.5	20.1	18.6	19.1	21.4	22.4	22.6	22.5	23.7
32.5°	10.5	14.0	21.7	24.3	24.9	25.3	26.9	29.2	31.8	32.9	31.6
30°	12.1	17.9	26.5	29.3	32.4	36.9	35.9	37.6	43.5	45.9	48.1
27.5°	14.9	23.0	31.4	36.1	41.7	51.8	55.5	51.8	56.8	61.5	68.7
25°	18.0	35.9	36.8	43.9	56.3	71.7	81.4	85.6	74.4	82.7	102.0
22.5°	24.9	52.8	56.2	52.1	73.3	95.9	115.2	125.5	124.1	116.1	142.0
20°	37.3	69.9	78.9	80.6	96.7	123.7	153.8	171.3	187.9	216.8	292.7
17.5°	51.7	88.8	103.0	117.5	146.8	170.8	196.4	222.5	261.8	347.8	605.6
15°	67.7	109.2	128.2	157.5	201.1	241.3	272.6	296.0	365.5	545.8	1001.5
12.5°	84.8	130.6	154.2	199.9	258.5	315.5	359.9	407.0	524.0	878.4	1631.0
10°	102.3	152.7	180.7	243.8	317.7	392.0	449.6	520.5	703.3	1255.0	2318.0
7.5°	121.8	176.3	207.7	288.1	377.6	469.6	540.5	634.9	886.3	1635.5	3009.4
5°	140.7	201.0	236.4	326.4	428.1	537.8	625.4	748.0	1067.4	2004.3	3681.2
2.5°	158.1	224.9	264.6	361.3	470.4	589.5	683.3	815.6	1192.8	2246.7	4175.7
0°	173.4	247.5	291.8	393.4	509.4	637.4	737.8	877.8	1293.9	2392.9	4471.3
-2.5°	179.2	256.2	303.0	401.5	514.9	645.5	747.8	883.2	1324.9	2452.2	4514.8
-5°	182.5	262.9	312.8	406.8	516.8	648.7	753.7	883.1	1317.2	2400.8	4302.6
-7.5°	183.6	267.4	321.1	407.5	507.0	627.9	724.3	836.8	1213.4	2188.5	3845.0
-10°	182.5	266.7	318.6	392.5	481.7	591.2	684.8	786.1	1093.7	1922.3	3336.2
-12.5°	179.2	261.9	313.8	376.6	455.4	552.0	643.3	732.1	960.8	1605.4	2812.1
-15°	174.7	256.1	308.8	360.5	429.0	510.7	600.5	675.5	822.4	1267.2	2292.0
-17.5°	169.4	249.7	303.9	344.7	403.2	467.9	558.7	628.2	720.4	1051.6	1873.4
-20°	163.5	242.9	299.2	329.6	379.2	435.5	518.4	589.0	667.0	881.7	1424.6



REPORT NUMBER: P701425 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	157.4	236.0	292.4	321.2	363.3	413.1	477.9	547.6	612.8	694.1	1043.6
-25°	154.3	225.8	282.2	315.5	348.6	391.5	438.7	504.2	562.3	640.5	842.1
-27.5°	152.8	216.2	270.2	309.1	334.2	371.7	410.8	461.3	527.9	597.0	670.1
-30°	149.2	202.1	257.8	300.2	325.0	355.5	388.3	431.2	494.9	558.7	623.2
-32.5°	140.4	187.0	242.0	285.9	316.6	340.3	372.2	411.5	462.7	521.2	579.2
-35°	129.1	173.8	224.0	271.7	307.0	330.1	359.0	392.8	432.8	485.3	547.3
-37.5°	117.8	159.1	205.3	254.6	291.6	321.9	345.0	375.7	410.5	452.1	513.1
-40°	105.2	143.0	187.2	233.5	276.8	310.1	335.8	359.0	389.1	429.9	473.6
-42.5°	91.7	127.6	168.1	211.4	254.6	292.7	325.3	347.2	372.7	408.1	447.9
-45°	80.2	110.9	147.8	187.8	228.4	270.4	305.1	336.9	360.2	387.1	422.5
-47.5°	68.0	94.0	127.7	162.6	200.8	240.3	280.8	314.6	347.4	371.9	397.0
-50°	56.6	79.9	105.8	138.2	171.9	208.6	246.4	286.5	320.9	352.6	379.9
-52.5°	48.9	65.2	88.0	113.6	143.9	175.8	211.2	247.9	285.8	321.9	350.2
-55°	40.6	54.4	70.5	92.2	116.6	144.7	175.1	208.9	242.3	277.6	310.0
-57.5°	32.6	44.4	57.0	72.2	92.8	114.7	141.6	169.7	200.3	230.5	256.2
-60°	24.6	34.9	46.1	57.4	70.1	89.2	108.7	132.4	158.4	183.6	206.2
-62.5°	17.3	25.8	35.5	45.7	55.9	65.8	81.5	99.2	116.9	138.1	158.0
-65°	14.4	18.0	25.1	34.1	43.3	52.5	61.5	70.2	84.9	99.9	113.8
-67.5°	11.5	14.6	17.9	22.3	30.4	38.7	47.2	55.2	63.0	70.5	79.2
-70°	10.2	11.5	14.1	17.1	20.1	24.2	31.4	38.8	46.5	54.2	60.9
-72.5°	9.2	10.4	11.6	12.8	15.3	17.9	20.4	22.8	27.6	34.3	41.0
-75°	8.4	9.3	10.5	11.6	12.6	13.6	14.9	17.1	19.3	21.6	23.9
-77.5°	7.7	8.3	9.1	10.1	11.1	11.9	12.8	13.7	14.7	15.8	16.9
-80°	7.0	7.2	7.6	8.2	9.0	9.8	10.5	11.3	12.0	12.8	13.6
-82.5°	6.5	6.6	6.7	6.9	7.2	7.6	8.2	8.8	9.2	9.6	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: P701425 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-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	9.0	9.6	10.2	10.8
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°	9.8	10.2	9.9	9.2	8.2	7.4	6.9	6.4	5.9	5.4	4.9
67.5°	13.7	13.6	12.6	11.4	9.7	8.2	7.6	6.9	6.3	5.9	5.9
65°	17.6	16.4	14.8	12.8	10.5	8.3	7.7	7.0	6.4	6.0	6.0
62.5°	22.1	18.4	14.8	12.3	10.1	8.3	7.4	6.6	5.7	5.1	5.0
60°	23.8	17.7	12.7	10.6	8.8	7.4	6.5	5.8	5.2	4.8	4.8
57.5°	23.0	15.8	10.3	8.5	7.2	6.3	5.6	5.1	4.5	4.0	3.9
55°	19.6	12.8	7.7	6.6	5.9	5.3	4.7	4.3	4.0	3.6	3.6
52.5°	14.4	9.8	6.9	5.8	5.5	5.1	4.8	4.6	4.5	4.4	4.3
50°	10.6	7.6	6.6	5.9	5.7	5.7	5.8	5.8	5.7	5.6	5.4
47.5°	8.6	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	8.7	8.6
42.5°	9.2	9.3	10.0	10.6	10.2	10.8	11.6	11.5	12.1	12.5	12.5
40°	12.9	12.6	14.4	15.0	15.2	15.9	18.0	17.7	18.7	21.2	21.7
37.5°	18.5	19.5	20.7	21.9	25.1	27.1	31.1	34.3	36.0	40.8	44.6
35°	26.1	28.6	29.4	35.7	42.2	48.4	54.0	60.7	63.6	74.3	81.7
32.5°	36.9	42.2	49.5	60.0	72.4	87.1	86.5	108.9	117.0	138.9	164.0
30°	51.6	66.6	90.5	107.1	137.6	161.5	173.5	208.5	255.6	300.5	361.7
27.5°	83.9	115.6	158.8	215.8	245.5	281.6	336.1	377.9	485.2	587.8	663.1
25°	144.4	210.8	292.3	376.5	429.2	476.4	576.1	649.2	801.4	915.7	1078.7
22.5°	276.1	417.9	521.1	583.7	696.7	844.6	916.4	1117.4	1343.1	1631.3	1869.4
20°	465.2	688.3	918.4	1058.9	1188.0	1514.5	1657.6	2034.2	2513.9	3056.1	3508.1
17.5°	910.4	1114.2	1582.5	2038.8	2382.0	2704.4	3609.1	4255.4	5509.8	7045.0	7753.1
15°	1633.5	2203.3	2749.8	3577.5	4453.4	5427.8	6847.6	9298.7	12377.4	15734.5	19365.6
12.5°	2648.2	3688.4	4665.9	5707.7	6961.7	9356.1	12593.2	16874.2	22406.0	28341.1	35194.0
10°	3788.2	5371.2	6799.0	8371.9	10598.4	14155.7	18953.6	25557.8	35409.0	45478.8	54213.4
7.5°	4809.0	6726.2	8662.9	10939.6	14468.8	19549.4	26452.3	36763.8	49628.6	62090.0	72715.4
5°	5787.3	8026.9	10234.4	12947.9	17395.9	24026.6	32960.1	47106.4	63369.8	77196.7	88841.7
2.5°	6549.5	9044.7	11570.8	14762.2	19837.0	27381.3	37528.0	54650.2	74279.3	89614.0	102929.3
0°	6986.1	9379.0	12121.1	15427.6	21266.9	29484.8	39891.1	58122.9	77671.5	94712.9	107725.5
-2.5°	6900.6	9408.0	12211.4	15556.3	21091.1	28981.0	39239.3	56631.2	76088.0	91450.6	104059.6
-5°	6465.0	8759.1	11230.6	14165.3	19049.0	26238.3	36310.5	52654.2	70711.1	86077.4	98892.5
-7.5°	5785.7	7814.3	9965.9	12520.2	16650.5	22906.1	31563.9	44289.4	60288.0	74205.1	83810.2
-10°	5044.2	6829.3	8770.9	11082.4	14340.1	19244.2	25804.0	34996.6	48081.5	59678.2	68587.7
-12.5°	4341.2	5964.0	7653.0	9583.2	12049.0	15911.6	20897.2	27760.3	36195.0	45727.7	54828.2
-15°	3667.1	5092.1	6566.0	8352.7	10497.0	13117.7	16469.4	21086.9	26628.5	32876.4	39616.3
-17.5°	3025.3	4276.6	5663.3	7223.3	8995.3	10997.5	13808.5	16974.8	20492.9	24563.8	28423.5
-20°	2373.4	3529.6	4787.9	6176.8	7766.5	9591.8	11592.0	13970.4	16515.6	19297.0	22184.3



REPORT NUMBER: P701425 (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°
-22.5°	1811.4	2796.6	3897.6	5162.0	6654.6	8263.5	9815.0	11376.2	13259.2	15093.6	16935.9
-25°	1268.5	2049.7	3077.7	4286.4	5553.8	6898.5	8050.0	9150.4	10458.0	11634.1	12858.7
-27.5°	932.9	1469.7	2319.8	3391.8	4528.5	5450.8	6420.2	7322.8	8269.7	9016.1	9878.7
-30°	711.4	1020.5	1652.1	2488.4	3400.3	4204.0	4952.2	5769.6	6548.1	7196.1	7738.4
-32.5°	648.8	766.6	1086.4	1668.8	2328.1	3041.2	3688.5	4400.0	5053.0	5592.0	6023.8
-35°	609.7	673.6	766.9	1060.9	1447.4	2010.5	2550.6	3133.3	3674.6	4119.2	4476.7
-37.5°	576.4	632.4	687.5	742.7	955.6	1193.1	1583.0	2004.7	2370.4	2776.9	3094.3
-40°	535.0	597.9	642.4	687.8	739.0	798.4	1004.1	1188.8	1395.6	1682.6	1920.2
-42.5°	489.6	542.8	598.1	642.6	682.0	723.9	770.5	816.7	911.8	1032.5	1130.7
-45°	459.8	494.8	535.0	585.5	631.6	666.5	701.1	734.7	766.5	795.1	819.0
-47.5°	427.7	457.4	490.0	524.7	558.8	597.7	634.1	664.5	688.6	711.6	732.2
-50°	399.1	421.1	448.6	475.6	502.4	530.0	557.2	580.7	604.0	625.0	645.4
-52.5°	376.0	394.5	412.6	430.6	452.5	473.8	493.9	512.0	528.5	542.8	557.9
-55°	337.1	360.4	383.5	399.6	413.4	426.7	440.0	455.0	468.1	479.3	489.9
-57.5°	284.2	312.4	338.1	357.0	374.9	391.7	403.3	411.9	420.3	428.2	435.4
-60°	228.1	249.2	273.9	298.1	320.4	340.6	353.7	364.8	374.1	382.0	389.0
-62.5°	176.3	194.4	214.5	234.0	252.0	269.8	287.1	302.2	315.2	326.1	335.1
-65°	128.4	144.3	161.4	177.9	193.7	209.4	223.7	236.8	248.6	259.2	268.9
-67.5°	91.4	103.0	115.4	126.6	139.2	152.9	166.5	178.6	189.4	197.9	204.3
-70°	67.2	73.8	82.0	91.6	102.1	111.9	121.6	131.0	139.9	147.5	154.4
-72.5°	47.8	54.6	61.1	67.2	73.6	80.1	86.7	93.6	100.6	106.5	111.6
-75°	26.2	29.6	35.1	40.4	45.6	50.6	55.0	58.9	62.2	65.0	67.4
-77.5°	18.6	20.8	23.1	25.3	27.5	30.1	32.9	35.6	38.3	40.5	42.5
-80°	14.4	15.6	17.0	18.4	19.8	21.6	23.5	25.4	27.3	28.6	29.8
-82.5°	10.6	11.5	12.4	13.3	14.1	15.3	16.4	17.5	18.6	19.3	20.1
-85°	7.5	8.1	8.8	9.4	10.1	11.1	12.1	13.1	14.1	14.8	15.4
-87.5°	5.8	6.2	6.5	6.9	7.2	8.1	9.0	9.9	10.8	11.1	11.4
-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: P701425 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	11.4	12.0	12.0	12.0	12.0	12.0	11.4	10.8	10.2	9.6	9.0
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	8.7	8.6	8.2
42.5°	12.4	12.1	11.9	12.0	11.9	12.1	12.4	12.5	12.5	12.1	11.5
40°	22.7	23.3	23.6	23.9	23.6	23.3	22.7	21.7	21.2	18.7	17.7
37.5°	46.6	45.7	43.6	44.2	43.6	45.7	46.6	44.6	40.8	36.0	34.3
35°	86.5	91.7	95.4	98.1	95.4	91.7	86.5	81.7	74.3	63.6	60.7
32.5°	173.3	180.5	178.4	174.6	178.4	180.5	173.3	164.0	138.9	117.0	108.9
30°	397.8	418.6	413.0	388.7	413.0	418.6	397.8	361.7	300.5	255.6	208.5
27.5°	717.2	767.4	800.1	783.3	800.1	767.4	717.2	663.1	587.8	485.2	377.9
25°	1219.3	1316.7	1386.5	1357.3	1386.5	1316.7	1219.3	1078.7	915.7	801.4	649.2
22.5°	2168.0	2328.0	2423.1	2447.9	2423.1	2328.0	2168.0	1869.4	1631.3	1343.1	1117.4
20°	4076.6	4204.2	4229.5	4166.3	4229.5	4204.2	4076.6	3508.1	3056.1	2513.9	2034.2
17.5°	9808.9	10398.0	9966.2	9513.0	9966.2	10398.0	9808.9	7753.1	7045.0	5509.8	4255.4
15°	22438.3	24926.2	26343.5	26632.7	26343.5	24926.2	22438.3	19365.6	15734.5	12377.4	9298.7
12.5°	39537.5	43546.9	45201.5	45047.0	45201.5	43546.9	39537.5	35194.0	28341.1	22406.0	16874.2
10°	59816.3	64102.8	67791.1	67828.4	67791.1	64102.8	59816.3	54213.4	45478.8	35409.0	25557.8
7.5°	80090.4	85034.0	88503.7	89493.6	88503.7	85034.0	80090.4	72715.4	62090.0	49628.6	36763.8
5°	97839.1	103959.5	107404.2	108456.1	107404.2	103959.5	97839.1	88841.7	77196.7	63369.8	47106.4
2.5°	113443.7	120941.4	124719.5	125306.8	124719.5	120941.4	113443.7	102929.3	89614.0	74279.3	54650.2
0°	117737.2	124420.7	129313.5	131055.3	129313.5	124420.7	117737.2	107725.5	94712.9	77671.5	58122.9
-2.5°	113504.5	119351.9	122268.0	123484.3	122268.0	119351.9	113504.5	104059.6	91450.6	76088.0	56631.2
-5°	106814.0	112271.0	115984.9	116845.0	115984.9	112271.0	106814.0	98892.5	86077.4	70711.1	52654.2
-7.5°	90145.3	95516.5	97185.2	99077.1	97185.2	95516.5	90145.3	83810.2	74205.1	60288.0	44289.4
-10°	75318.1	79496.5	80645.7	81986.1	80645.7	79496.5	75318.1	68587.7	59678.2	48081.5	34996.6
-12.5°	62319.3	66458.2	68331.9	69935.5	68331.9	66458.2	62319.3	54828.2	45727.7	36195.0	27760.3
-15°	45657.3	49547.4	50891.1	51758.6	50891.1	49547.4	45657.3	39616.3	32876.4	26628.5	21086.9
-17.5°	33073.4	36036.0	37796.5	38817.2	37796.5	36036.0	33073.4	28423.5	24563.8	20492.9	16974.8
-20°	24722.3	26420.0	27783.8	27933.8	27783.8	26420.0	24722.3	22184.3	19297.0	16515.6	13970.4



REPORT NUMBER: P701425 (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°	18479.5	19490.7	20118.5	20080.7	20118.5	19490.7	18479.5	16935.9	15093.6	13259.2	11376.2
-25°	13792.7	14472.6	14905.1	14982.8	14905.1	14472.6	13792.7	12858.7	11634.1	10458.0	9150.4
-27.5°	10496.2	10974.9	11223.0	11236.2	11223.0	10974.9	10496.2	9878.7	9016.1	8269.7	7322.8
-30°	8132.0	8530.7	8795.1	8997.6	8795.1	8530.7	8132.0	7738.4	7196.1	6548.1	5769.6
-32.5°	6386.6	6726.9	6957.7	7095.0	6957.7	6726.9	6386.6	6023.8	5592.0	5053.0	4400.0
-35°	4788.0	5060.6	5223.7	5182.8	5223.7	5060.6	4788.0	4476.7	4119.2	3674.6	3133.3
-37.5°	3373.9	3604.9	3769.3	3873.3	3769.3	3604.9	3373.9	3094.3	2776.9	2370.4	2004.7
-40°	2125.9	2285.7	2399.4	2471.8	2399.4	2285.7	2125.9	1920.2	1682.6	1395.6	1188.8
-42.5°	1210.7	1270.5	1310.7	1332.2	1310.7	1270.5	1210.7	1130.7	1032.5	911.8	816.7
-45°	837.4	852.3	863.1	869.4	863.1	852.3	837.4	819.0	795.1	766.5	734.7
-47.5°	748.3	760.5	768.5	772.5	768.5	760.5	748.3	732.2	711.6	688.6	664.5
-50°	663.8	678.8	687.9	691.2	687.9	678.8	663.8	645.4	625.0	604.0	580.7
-52.5°	572.0	584.1	592.3	596.7	592.3	584.1	572.0	557.9	542.8	528.5	512.0
-55°	499.1	506.9	510.9	511.8	510.9	506.9	499.1	489.9	479.3	468.1	455.0
-57.5°	441.5	446.4	450.4	453.2	450.4	446.4	441.5	435.4	428.2	420.3	411.9
-60°	394.6	398.9	401.2	401.8	401.2	398.9	394.6	389.0	382.0	374.1	364.8
-62.5°	342.1	347.3	351.3	354.0	351.3	347.3	342.1	335.1	326.1	315.2	302.2
-65°	277.8	285.6	289.7	291.8	289.7	285.6	277.8	268.9	259.2	248.6	236.8
-67.5°	209.4	213.4	214.3	214.1	214.3	213.4	209.4	204.3	197.9	189.4	178.6
-70°	160.8	166.6	168.8	169.8	168.8	166.6	160.8	154.4	147.5	139.9	131.0
-72.5°	116.3	120.4	122.8	124.4	122.8	120.4	116.3	111.6	106.5	100.6	93.6
-75°	69.4	71.1	72.2	72.9	72.2	71.1	69.4	67.4	65.0	62.2	58.9
-77.5°	44.4	46.3	47.1	47.8	47.1	46.3	44.4	42.5	40.5	38.3	35.6
-80°	31.0	32.1	32.3	32.3	32.3	32.1	31.0	29.8	28.6	27.3	25.4
-82.5°	20.8	21.4	21.5	21.5	21.5	21.4	20.8	20.1	19.3	18.6	17.5
-85°	16.0	16.7	16.7	16.7	16.7	16.7	16.0	15.4	14.8	14.1	13.1
-87.5°	11.7	12.0	12.6	13.2	12.6	12.0	11.7	11.4	11.1	10.8	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



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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	9.2	9.9	10.2	9.8	9.1	8.4	7.9	7.3
67.5°	7.6	8.2	9.7	11.4	12.6	13.6	13.7	13.0	12.0	11.0	9.4
65°	7.7	8.3	10.5	12.8	14.8	16.4	17.6	17.7	17.0	15.3	12.3
62.5°	7.4	8.3	10.1	12.3	14.8	18.4	22.1	23.4	23.3	20.5	16.5
60°	6.5	7.4	8.8	10.6	12.7	17.7	23.8	28.3	31.0	26.6	20.8
57.5°	5.6	6.3	7.2	8.5	10.3	15.8	23.0	31.2	36.3	30.4	24.8
55°	4.7	5.3	5.9	6.6	7.7	12.8	19.6	27.6	33.5	31.7	25.6
52.5°	4.8	5.1	5.5	5.8	6.9	9.8	14.4	21.9	26.3	25.9	24.0
50°	5.8	5.7	5.7	5.9	6.6	7.6	10.6	15.7	18.1	19.9	19.8
47.5°	7.0	6.8	6.2	6.1	6.7	7.5	8.6	10.0	12.8	13.9	15.1
45°	8.4	8.4	8.1	7.7	7.3	7.7	8.3	9.5	10.2	11.4	11.0
42.5°	11.6	10.8	10.2	10.6	10.0	9.3	9.2	10.3	10.5	10.8	11.6
40°	18.0	15.9	15.2	15.0	14.4	12.6	12.9	12.5	12.4	11.7	13.6
37.5°	31.1	27.1	25.1	21.9	20.7	19.5	18.5	17.5	15.8	16.2	17.2
35°	54.0	48.4	42.2	35.7	29.4	28.6	26.1	23.7	22.5	22.6	22.4
32.5°	86.5	87.1	72.4	60.0	49.5	42.2	36.9	31.6	32.9	31.8	29.2
30°	173.5	161.5	137.6	107.1	90.5	66.6	51.6	48.1	45.9	43.5	37.6
27.5°	336.1	281.6	245.5	215.8	158.8	115.6	83.9	68.7	61.5	56.8	51.8
25°	576.1	476.4	429.2	376.5	292.3	210.8	144.4	102.0	82.7	74.4	85.6
22.5°	916.4	844.6	696.7	583.7	521.1	417.9	276.1	142.0	116.1	124.1	125.5
20°	1657.6	1514.5	1188.0	1058.9	918.4	688.3	465.2	292.7	216.8	187.9	171.3
17.5°	3609.1	2704.4	2382.0	2038.8	1582.5	1114.2	910.4	605.6	347.8	261.8	222.5
15°	6847.6	5427.8	4453.4	3577.5	2749.8	2203.3	1633.5	1001.5	545.8	365.5	296.0
12.5°	12593.2	9356.1	6961.7	5707.7	4665.9	3688.4	2648.2	1631.0	878.4	524.0	407.0
10°	18953.6	14155.7	10598.4	8371.9	6799.0	5371.2	3788.2	2318.0	1255.0	703.3	520.5
7.5°	26452.3	19549.4	14468.8	10939.6	8662.9	6726.2	4809.0	3009.4	1635.5	886.3	634.9
5°	32960.1	24026.6	17395.9	12947.9	10234.4	8026.9	5787.3	3681.2	2004.3	1067.4	748.0
2.5°	37528.0	27381.3	19837.0	14762.2	11570.8	9044.7	6549.5	4175.7	2246.7	1192.8	815.6
0°	39891.1	29484.8	21266.9	15427.6	12121.1	9379.0	6986.1	4471.3	2392.9	1293.9	877.8
-2.5°	39239.3	28981.0	21091.1	15556.3	12211.4	9408.0	6900.6	4514.8	2452.2	1324.9	883.2
-5°	36310.5	26238.3	19049.0	14165.3	11230.6	8759.1	6465.0	4302.6	2400.8	1317.2	883.1
-7.5°	31563.9	22906.1	16650.5	12520.2	9965.9	7814.3	5785.7	3845.0	2188.5	1213.4	836.8
-10°	25804.0	19244.2	14340.1	11082.4	8770.9	6829.3	5044.2	3336.2	1922.3	1093.7	786.1
-12.5°	20897.2	15911.6	12049.0	9583.2	7653.0	5964.0	4341.2	2812.1	1605.4	960.8	732.1
-15°	16469.4	13117.7	10497.0	8352.7	6566.0	5092.1	3667.1	2292.0	1267.2	822.4	675.5
-17.5°	13808.5	10997.5	8995.3	7223.3	5663.3	4276.6	3025.3	1873.4	1051.6	720.4	628.2
-20°	11592.0	9591.8	7766.5	6176.8	4787.9	3529.6	2373.4	1424.6	881.7	667.0	589.0



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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°	9815.0	8263.5	6654.6	5162.0	3897.6	2796.6	1811.4	1043.6	694.1	612.8	547.6
-25°	8050.0	6898.5	5553.8	4286.4	3077.7	2049.7	1268.5	842.1	640.5	562.3	504.2
-27.5°	6420.2	5450.8	4528.5	3391.8	2319.8	1469.7	932.9	670.1	597.0	527.9	461.3
-30°	4952.2	4204.0	3400.3	2488.4	1652.1	1020.5	711.4	623.2	558.7	494.9	431.2
-32.5°	3688.5	3041.2	2328.1	1668.8	1086.4	766.6	648.8	579.2	521.2	462.7	411.5
-35°	2550.6	2010.5	1447.4	1060.9	766.9	673.6	609.7	547.3	485.3	432.8	392.8
-37.5°	1583.0	1193.1	955.6	742.7	687.5	632.4	576.4	513.1	452.1	410.5	375.7
-40°	1004.1	798.4	739.0	687.8	642.4	597.9	535.0	473.6	429.9	389.1	359.0
-42.5°	770.5	723.9	682.0	642.6	598.1	542.8	489.6	447.9	408.1	372.7	347.2
-45°	701.1	666.5	631.6	585.5	535.0	494.8	459.8	422.5	387.1	360.2	336.9
-47.5°	634.1	597.7	558.8	524.7	490.0	457.4	427.7	397.0	371.9	347.4	314.6
-50°	557.2	530.0	502.4	475.6	448.6	421.1	399.1	379.9	352.6	320.9	286.5
-52.5°	493.9	473.8	452.5	430.6	412.6	394.5	376.0	350.2	321.9	285.8	247.9
-55°	440.0	426.7	413.4	399.6	383.5	360.4	337.1	310.0	277.6	242.3	208.9
-57.5°	403.3	391.7	374.9	357.0	338.1	312.4	284.2	256.2	230.5	200.3	169.7
-60°	353.7	340.6	320.4	298.1	273.9	249.2	228.1	206.2	183.6	158.4	132.4
-62.5°	287.1	269.8	252.0	234.0	214.5	194.4	176.3	158.0	138.1	116.9	99.2
-65°	223.7	209.4	193.7	177.9	161.4	144.3	128.4	113.8	99.9	84.9	70.2
-67.5°	166.5	152.9	139.2	126.6	115.4	103.0	91.4	79.2	70.5	63.0	55.2
-70°	121.6	111.9	102.1	91.6	82.0	73.8	67.2	60.9	54.2	46.5	38.8
-72.5°	86.7	80.1	73.6	67.2	61.1	54.6	47.8	41.0	34.3	27.6	22.8
-75°	55.0	50.6	45.6	40.4	35.1	29.6	26.2	23.9	21.6	19.3	17.1
-77.5°	32.9	30.1	27.5	25.3	23.1	20.8	18.6	16.9	15.8	14.7	13.7
-80°	23.5	21.6	19.8	18.4	17.0	15.6	14.4	13.6	12.8	12.0	11.3
-82.5°	16.4	15.3	14.1	13.3	12.4	11.5	10.6	10.1	9.6	9.2	8.8
-85°	12.1	11.1	10.1	9.4	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°	10.4	8.7	7.1	6.5	6.1	6.0	6.0	6.0	6.0	6.0	6.0
62.5°	13.3	10.8	9.0	7.3	6.4	6.1	6.0	6.0	6.0	6.0	6.0
60°	16.3	13.1	10.8	8.8	7.1	6.1	6.0	6.0	6.0	6.0	6.0
57.5°	19.1	14.9	12.3	10.2	8.4	6.7	6.0	6.0	6.0	6.0	6.0
55°	20.8	16.4	13.5	11.2	9.3	7.7	6.3	6.0	6.0	6.0	6.0
52.5°	19.8	17.0	14.5	11.9	9.9	8.5	7.1	6.0	6.0	6.0	6.0
50°	17.3	16.7	14.9	12.4	10.2	8.9	7.8	6.5	6.0	6.0	6.1
47.5°	15.7	16.0	14.9	12.7	10.3	9.2	8.2	7.1	6.0	6.0	6.2
45°	13.8	15.2	14.8	12.9	10.6	9.6	8.6	7.5	6.4	6.1	6.3
42.5°	12.5	14.4	14.6	13.4	11.5	9.9	8.9	7.8	6.7	6.1	6.4
40°	14.2	14.1	14.6	14.3	12.7	10.3	9.2	8.1	7.0	6.3	6.4
37.5°	16.9	15.8	15.0	16.7	14.3	11.4	9.4	8.3	7.4	6.7	6.5
35°	21.4	19.1	18.6	20.1	17.5	12.7	9.7	8.5	7.9	7.0	6.6
32.5°	26.9	25.3	24.9	24.3	21.7	14.0	10.5	9.4	8.6	7.3	6.6
30°	35.9	36.9	32.4	29.3	26.5	17.9	12.1	10.4	9.4	7.6	6.8
27.5°	55.5	51.8	41.7	36.1	31.4	23.0	14.9	11.5	10.2	8.1	7.0
25°	81.4	71.7	56.3	43.9	36.8	35.9	18.0	12.9	11.2	8.7	7.3
22.5°	115.2	95.9	73.3	52.1	56.2	52.8	24.9	15.4	12.2	9.4	7.5
20°	153.8	123.7	96.7	80.6	78.9	69.9	37.3	18.0	13.3	10.2	7.7
17.5°	196.4	170.8	146.8	117.5	103.0	88.8	51.7	20.9	14.4	10.9	7.9
15°	272.6	241.3	201.1	157.5	128.2	109.2	67.7	23.7	15.6	11.7	8.3
12.5°	359.9	315.5	258.5	199.9	154.2	130.6	84.8	26.7	16.8	12.8	8.9
10°	449.6	392.0	317.7	243.8	180.7	152.7	102.3	30.4	19.2	14.1	9.5
7.5°	540.5	469.6	377.6	288.1	207.7	176.3	121.8	36.2	21.9	15.5	10.2
5°	625.4	537.8	428.1	326.4	236.4	201.0	140.7	41.8	24.6	16.8	10.8
2.5°	683.3	589.5	470.4	361.3	264.6	224.9	158.1	47.4	27.3	18.0	11.4
0°	737.8	637.4	509.4	393.4	291.8	247.5	173.4	52.6	29.9	19.1	12.0
-2.5°	747.8	645.5	514.9	401.5	303.0	256.2	179.2	62.1	36.2	22.5	13.7
-5°	753.7	648.7	516.8	406.8	312.8	262.9	182.5	71.0	42.2	25.8	15.2
-7.5°	724.3	627.9	507.0	407.5	321.1	267.4	183.6	79.0	47.7	28.7	16.7
-10°	684.8	591.2	481.7	392.5	318.6	266.7	182.5	86.1	52.5	31.3	18.0
-12.5°	643.3	552.0	455.4	376.6	313.8	261.9	179.2	92.4	56.7	33.5	19.1
-15°	600.5	510.7	429.0	360.5	308.8	256.1	174.7	97.5	60.7	35.5	20.0
-17.5°	558.7	467.9	403.2	344.7	303.9	249.7	169.4	101.4	63.8	37.4	21.0
-20°	518.4	435.5	379.2	329.6	299.2	242.9	163.5	103.8	65.8	38.6	21.9



REPORT NUMBER: P701425 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	477.9	413.1	363.3	321.2	292.4	236.0	157.4	104.7	66.6	39.0	22.6
-25°	438.7	391.5	348.6	315.5	282.2	225.8	154.3	104.0	66.3	38.6	22.9
-27.5°	410.8	371.7	334.2	309.1	270.2	216.2	152.8	103.4	65.1	37.3	22.8
-30°	388.3	355.5	325.0	300.2	257.8	202.1	149.2	101.1	63.6	36.5	22.4
-32.5°	372.2	340.3	316.6	285.9	242.0	187.0	140.4	97.2	60.8	36.0	21.9
-35°	359.0	330.1	307.0	271.7	224.0	173.8	129.1	91.5	56.7	34.9	21.0
-37.5°	345.0	321.9	291.6	254.6	205.3	159.1	117.8	82.5	51.3	33.3	19.7
-40°	335.8	310.1	276.8	233.5	187.2	143.0	105.2	73.4	47.9	31.2	18.0
-42.5°	325.3	292.7	254.6	211.4	168.1	127.6	91.7	63.6	44.0	28.8	15.9
-45°	305.1	270.4	228.4	187.8	147.8	110.9	80.2	54.0	39.4	25.9	14.1
-47.5°	280.8	240.3	200.8	162.6	127.7	94.0	68.0	48.3	34.3	22.5	12.9
-50°	246.4	208.6	171.9	138.2	105.8	79.9	56.6	42.0	29.4	18.1	11.5
-52.5°	211.2	175.8	143.9	113.6	88.0	65.2	48.9	35.4	24.1	15.3	9.9
-55°	175.1	144.7	116.6	92.2	70.5	54.4	40.6	29.0	18.5	13.0	8.3
-57.5°	141.6	114.7	92.8	72.2	57.0	44.4	32.6	22.3	15.2	10.8	8.4
-60°	108.7	89.2	70.1	57.4	46.1	34.9	24.6	16.6	12.7	9.0	8.4
-62.5°	81.5	65.8	55.9	45.7	35.5	25.8	17.3	13.9	10.2	8.8	8.4
-65°	61.5	52.5	43.3	34.1	25.1	18.0	14.4	11.1	9.4	8.7	8.3
-67.5°	47.2	38.7	30.4	22.3	17.9	14.6	11.5	9.8	8.9	8.4	8.0
-70°	31.4	24.2	20.1	17.1	14.1	11.5	10.2	9.1	8.4	8.0	7.6
-72.5°	20.4	17.9	15.3	12.8	11.6	10.4	9.2	8.3	8.0	7.6	7.3
-75°	14.9	13.6	12.6	11.6	10.5	9.3	8.4	7.8	7.5	7.2	6.9
-77.5°	12.8	11.9	11.1	10.1	9.1	8.3	7.7	7.3	7.1	6.8	6.6
-80°	10.5	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: P701425 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-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°	9.9	7.4	6.0	6.0	6.0	6.0	4.8
-7.5°	10.6	7.5	6.0	6.0	6.0	6.0	4.8
-10°	11.2	7.6	6.0	6.0	6.0	6.0	4.8
-12.5°	11.7	7.6	6.0	6.0	6.0	6.0	4.8
-15°	12.1	7.6	6.0	6.0	6.0	6.0	4.8
-17.5°	12.3	7.6	6.0	6.0	6.0	6.0	4.8
-20°	12.5	7.6	6.0	6.0	6.0	5.9	4.8



REPORT NUMBER: P701425 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	12.8	7.5	6.0	6.0	6.0	5.9	4.8
-25°	12.8	7.5	6.0	6.0	6.0	5.9	4.8
-27.5°	12.6	7.4	6.0	6.0	6.0	5.9	4.8
-30°	12.2	7.3	6.0	6.0	6.0	5.9	4.8
-32.5°	11.5	7.1	6.1	6.0	6.0	5.9	4.8
-35°	11.0	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°	10.1	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°	8.6	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

