

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: P701427 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-70-5S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701427 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-34)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-57-70-5S-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

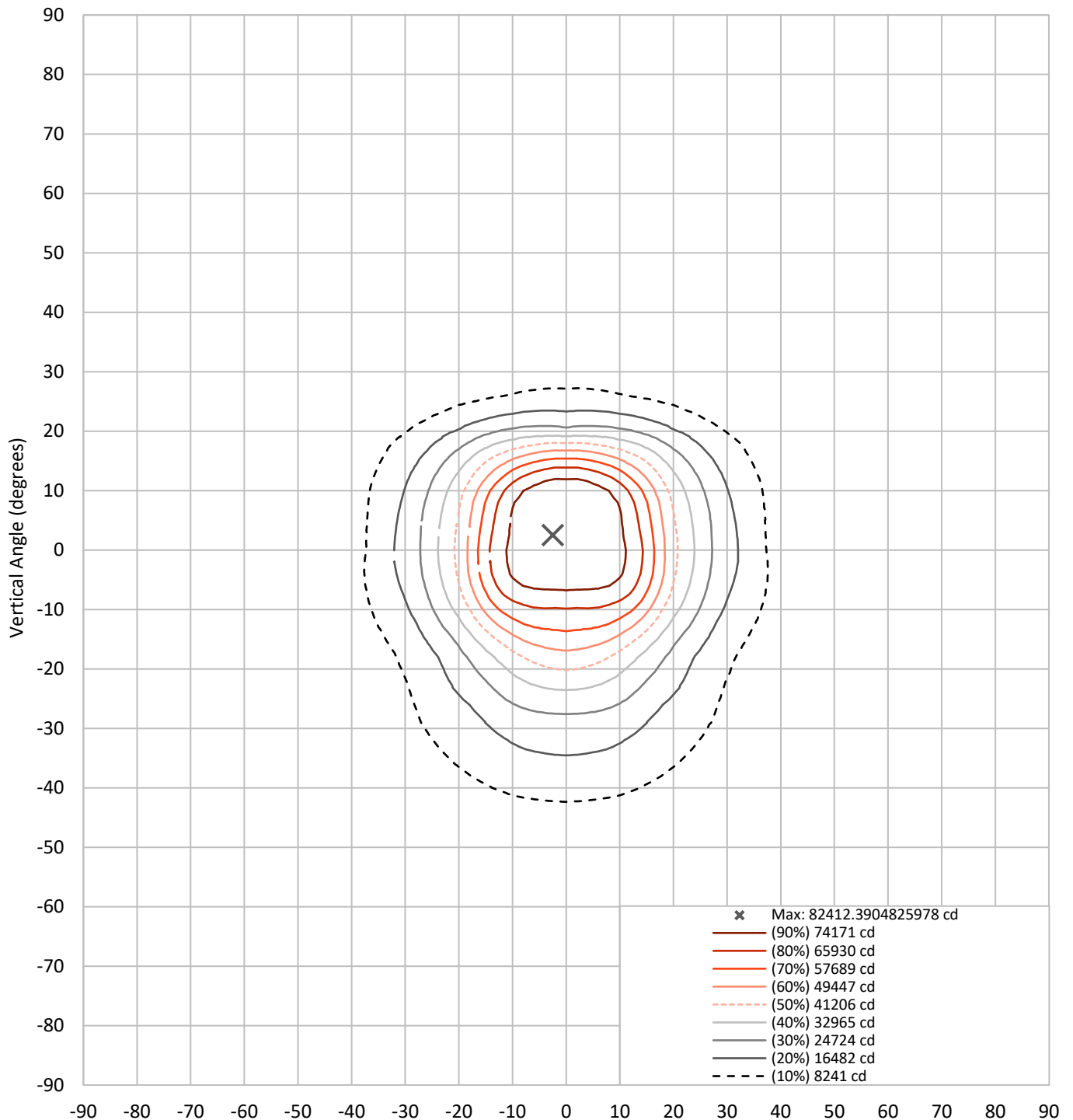
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	43998.7 lumens	Max Intensity:	82412.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	127.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.4°H x 38°V	Field Angle (10%):	74.2°H x 69.6°V
Beam Lumens:	24243.5 lumens	Field Lumens:	40917.9 lumens
Beam Efficiency:	55.1%	Field Efficiency:	93.0%

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





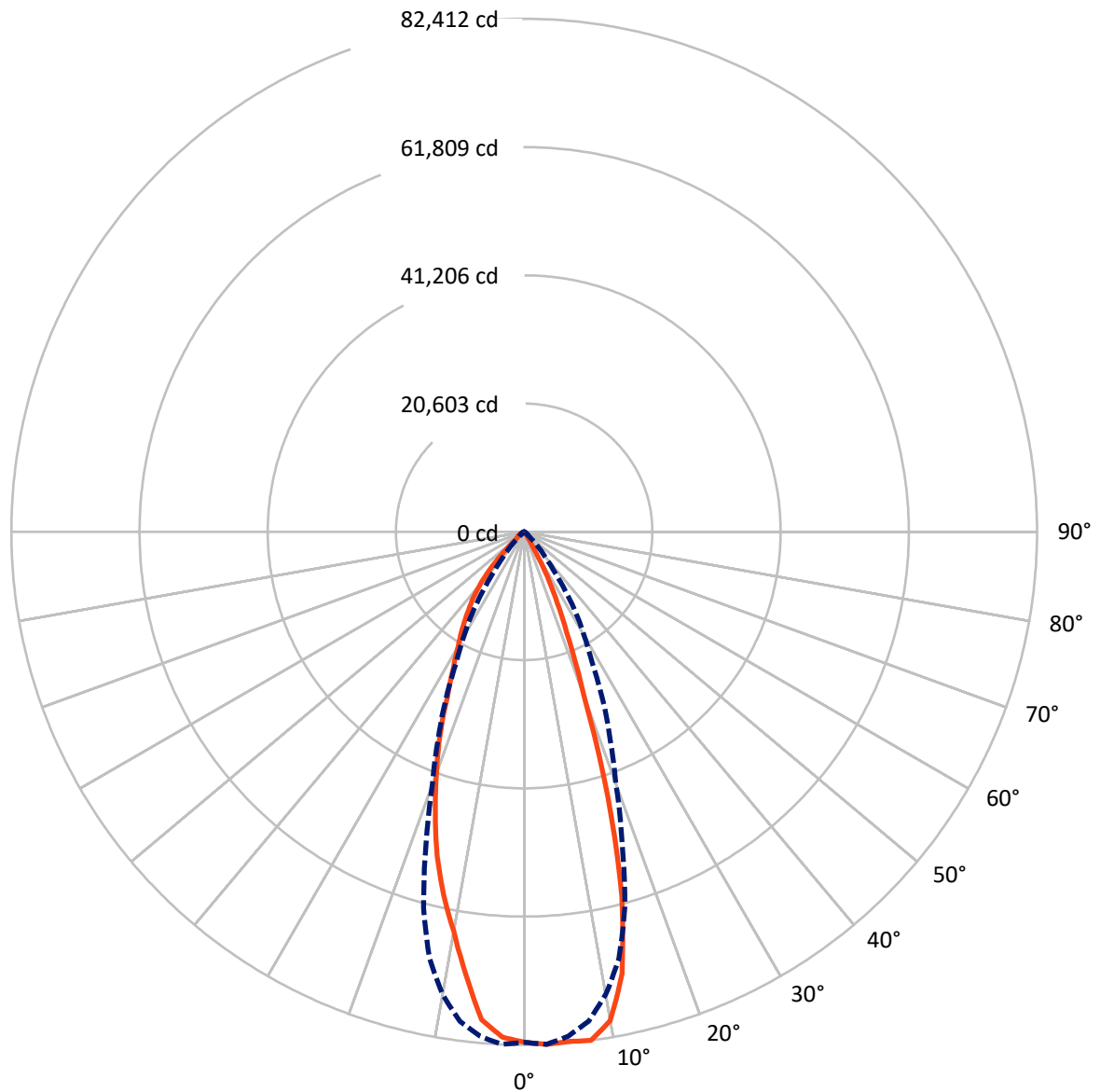
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Lumen Table

90																
80	0.1	0.2		0.3		0.3		0.2		0.3		0.3		0.2		0.1
70																
60	0.1	0.0	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.0	0.1
50		0.1	0.1	0.4	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.4	0.1	0.1	
40	0.1	0.1	0.2	0.3	0.4	0.6	0.7	0.7	0.7	0.7	0.6	0.4	0.3	0.2	0.1	0.1
30		0.1	0.5	1.3	2.9	6.2	14.7	20.9	20.9	14.7	6.2	2.9	1.3	0.5	0.1	
20	0.1	0.2	2.4	8.8	48.0	147.3	296.4	398.8	398.8	296.4	147.3	48.0	8.8	2.4	0.2	0.1
10		0.7	5.7	31.7	197.7	562.8	1166.8	1680.3	1680.3	1166.8	562.8	197.7	31.7	5.7	0.7	
0	0.1	1.1	7.8	50.0	284.1	809.7	1749.4	2419.1	2419.1	1749.4	809.7	284.1	50.0	7.8	1.1	0.1
-10		1.3	8.3	52.3	286.2	789.3	1724.0	2285.1	2285.1	1724.0	789.3	286.2	52.3	8.3	1.3	
-20	0.2	1.6	8.0	35.2	188.2	520.7	1107.5	1575.4	1575.4	1107.5	520.7	188.2	35.2	8.0	1.6	0.2
-30		1.5	7.6	19.6	110.9	318.9	619.8	876.6	876.6	619.8	318.9	110.9	19.6	7.6	1.5	
-40	0.2	1.2	6.1	14.6	44.6	175.8	343.0	469.4	469.4	343.0	175.8	44.6	14.6	6.1	1.2	0.2
-50		0.8	4.0	11.4	21.9	40.9	96.9	150.6	150.6	96.9	40.9	21.9	11.4	4.0	0.8	
-60	0.1	0.4	2.0	6.2	13.4	21.9	29.9	34.6	34.6	29.9	21.9	13.4	6.2	2.0	0.4	0.1
-70		0.2	0.7	2.1	4.6	7.8	11.6	13.6	13.6	11.6	7.8	4.6	2.1	0.7	0.2	
-80																
-90	0.1	0.4		1.6		3.7		4.9		3.7		1.6		0.4		0.1

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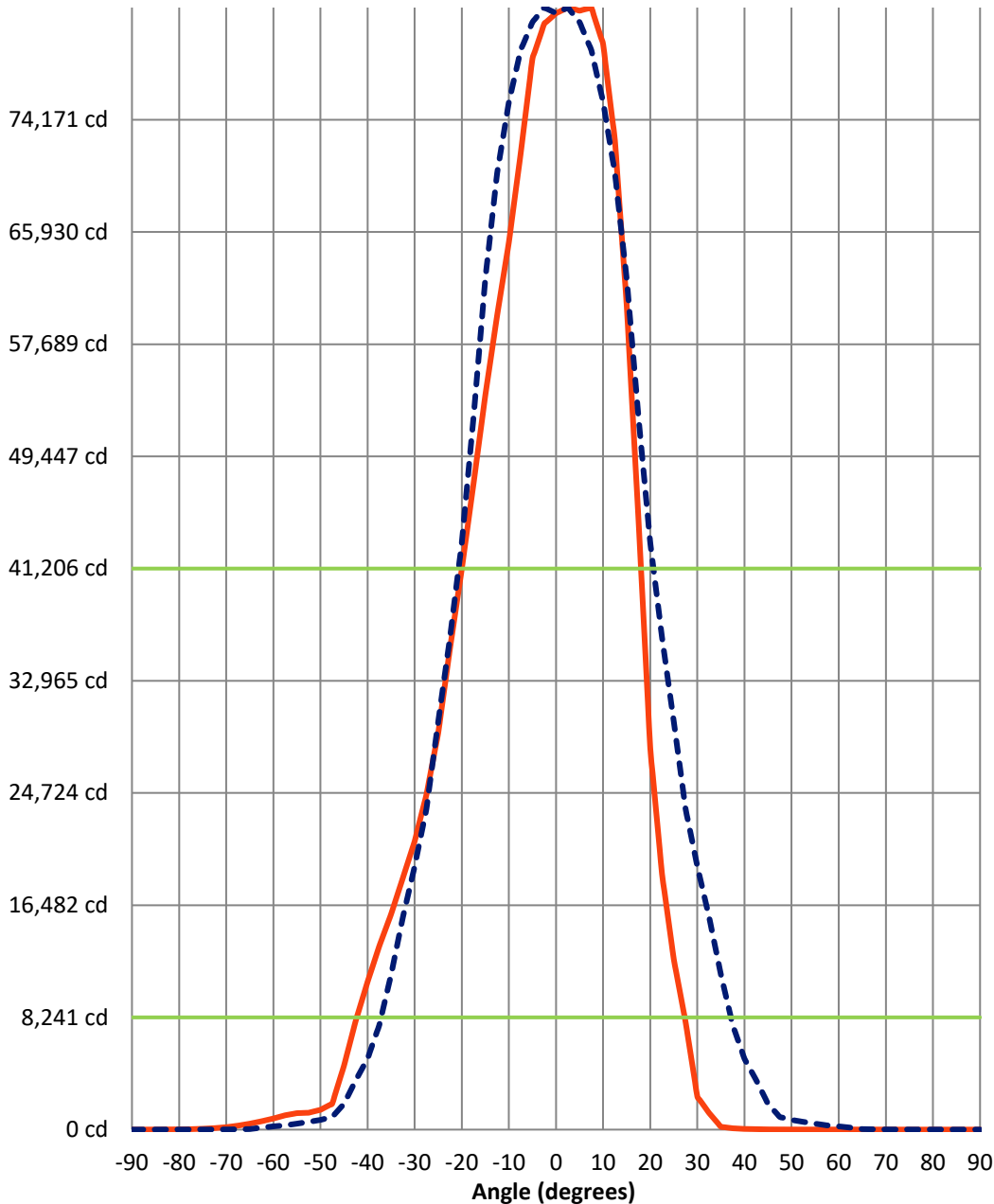
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 2.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 41.4°
 V Angle: 38°
 Lumens: 24243.5
 Efficiency: 55.1%

Field:
 H Angle: 74.2°
 V Angle: 69.6°
 Lumens: 40917.9
 Efficiency: 93.0%

Spill:
 Lumens: 3080.8
 Efficiency: 7.0%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through 2.5-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°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.2	3.0	2.7	2.4
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.2	3.0	2.7	2.4
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.2	3.0	2.8	2.7
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.3	3.2	3.1	3.2
77.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.3	3.4	3.5
75°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
72.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
70°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
67.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
65°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
62.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
60°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
57.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.5	3.5	3.5	3.6
55°	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.5	3.6	3.8
52.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.7	3.6	3.5	3.8	4.0
50°	3.5	3.5	3.5	3.5	3.5	3.6	3.8	3.7	3.6	4.1	4.7
47.5°	3.5	3.5	3.5	3.5	3.5	3.7	4.0	3.7	3.9	4.5	5.3
45°	3.5	3.5	3.5	3.5	3.5	3.9	4.0	3.8	4.3	4.9	5.8
42.5°	3.5	3.5	3.5	3.5	3.5	4.0	4.1	4.0	4.7	5.3	6.2
40°	3.5	3.5	3.5	3.5	3.6	4.2	4.1	4.3	5.0	5.7	6.6
37.5°	3.5	3.5	3.5	3.5	3.7	4.3	4.2	4.6	5.4	6.1	6.9
35°	3.5	3.5	3.5	3.6	3.8	4.4	4.3	4.9	5.7	6.5	7.3
32.5°	3.5	3.5	3.5	3.6	3.9	4.5	4.4	5.2	6.0	7.0	8.3
30°	3.5	3.5	3.5	3.7	4.0	4.5	4.6	5.5	6.3	7.5	9.4
27.5°	3.5	3.5	3.5	3.7	4.2	4.6	4.8	5.7	6.7	8.0	10.7
25°	3.5	3.5	3.5	3.8	4.3	4.7	5.0	6.0	7.1	8.8	12.2
22.5°	3.5	3.5	3.5	3.9	4.4	4.7	5.2	6.2	7.5	9.9	15.0
20°	3.5	3.5	3.5	4.0	4.5	4.7	5.4	6.4	7.9	11.1	18.0
17.5°	3.5	3.5	3.5	4.1	4.6	4.7	5.6	6.6	8.3	12.3	21.2
15°	3.5	3.5	3.5	4.2	4.6	4.7	5.6	6.8	8.7	13.6	24.4
12.5°	3.5	3.5	3.5	4.3	4.6	4.7	5.7	6.9	9.0	14.8	27.7
10°	3.5	3.5	3.5	4.3	4.7	4.7	5.8	7.0	9.4	16.2	30.9
7.5°	3.5	3.5	3.5	4.4	4.7	4.7	5.8	7.0	9.7	17.6	33.9
5°	3.5	3.5	3.5	4.5	4.7	4.7	5.9	7.1	10.1	18.9	36.6
2.5°	3.5	3.5	3.5	4.6	4.7	4.7	5.9	7.1	10.4	20.1	39.1
0°	3.5	3.5	3.5	4.7	4.7	4.7	5.9	7.1	10.6	21.2	41.2
-2.5°	3.5	3.5	3.6	4.7	4.7	4.8	6.2	8.4	14.2	27.7	51.4
-5°	3.5	3.5	3.6	4.7	4.7	5.0	6.5	9.6	17.6	33.8	61.0
-7.5°	3.5	3.5	3.7	4.7	4.7	5.1	6.7	10.7	20.8	39.4	69.8
-10°	3.5	3.5	3.7	4.7	4.7	5.2	7.0	11.7	23.5	44.4	77.5
-12.5°	3.5	3.5	3.7	4.6	4.7	5.3	7.1	12.5	25.8	48.8	84.9
-15°	3.5	3.5	3.8	4.6	4.7	5.4	7.3	13.1	28.0	53.0	91.2
-17.5°	3.5	3.5	3.8	4.6	4.7	5.4	7.4	14.1	30.0	56.2	95.8
-20°	3.5	3.5	3.9	4.6	4.7	5.4	7.7	15.2	31.4	58.4	98.5



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.5	3.5	3.9	4.6	4.7	5.4	8.3	16.1	32.2	59.3	99.2
-25°	3.5	3.5	3.9	4.6	4.7	5.5	8.7	16.5	32.1	58.9	97.6
-27.5°	3.5	3.5	3.9	4.6	4.7	5.6	9.0	16.5	31.2	57.8	97.0
-30°	3.5	3.5	3.9	4.6	4.7	5.7	9.0	16.1	30.7	56.8	94.7
-32.5°	3.5	3.5	3.9	4.6	4.8	5.6	8.8	16.0	30.2	54.5	90.5
-35°	3.5	3.5	3.9	4.6	4.8	5.5	8.6	15.8	29.1	51.2	84.5
-37.5°	3.5	3.5	3.9	4.6	4.9	5.3	8.4	15.2	27.4	46.6	76.8
-40°	3.5	3.5	3.9	4.7	4.9	5.4	8.1	14.2	25.0	43.2	69.2
-42.5°	3.5	3.5	3.9	4.7	4.9	5.4	7.7	12.9	23.0	39.2	60.7
-45°	3.5	3.5	3.9	4.7	4.9	5.4	7.1	11.6	21.0	34.6	51.9
-47.5°	3.5	3.5	3.8	4.7	4.9	5.4	6.3	10.7	18.6	29.6	46.2
-50°	3.5	3.5	3.8	4.6	4.9	5.4	6.1	9.6	15.6	26.1	39.9
-52.5°	3.5	3.5	3.7	4.5	4.9	5.3	6.1	8.3	13.5	22.1	33.4
-55°	3.5	3.5	3.6	4.4	4.8	5.2	6.0	6.9	11.6	17.8	28.4
-57.5°	3.5	3.5	3.6	4.3	4.8	5.2	5.8	6.7	9.6	15.0	22.9
-60°	3.5	3.5	3.5	4.2	4.7	5.0	5.6	6.5	7.9	12.3	17.9
-62.5°	3.5	3.5	3.5	4.1	4.6	4.9	5.4	6.2	7.4	9.5	14.6
-65°	3.5	3.5	3.5	4.0	4.5	4.8	5.2	5.9	6.9	8.4	11.0
-67.5°	3.5	3.5	3.5	3.9	4.4	4.7	5.0	5.6	6.3	7.6	9.1
-70°	3.5	3.5	3.5	3.8	4.3	4.6	4.7	5.3	6.0	6.7	8.0
-72.5°	3.5	3.5	3.5	3.7	4.2	4.5	4.7	5.0	5.6	6.3	6.9
-75°	3.5	3.5	3.5	3.7	4.1	4.4	4.7	4.9	5.3	5.8	6.4
-77.5°	3.5	3.5	3.5	3.7	4.0	4.4	4.7	4.8	5.1	5.5	6.0
-80°	3.5	3.5	3.5	3.6	3.9	4.3	4.7	4.8	4.9	5.2	5.5
-82.5°	3.5	3.5	3.5	3.6	3.8	4.1	4.4	4.6	4.7	4.8	5.0
-85°	3.5	3.5	3.5	3.6	3.7	3.9	4.1	4.2	4.3	4.4	4.5
-87.5°	3.5	3.5	3.5	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.0
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.2	3.0	2.7	2.4



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	2.7	2.7	2.6	2.4	2.4	2.4	2.4	2.5	2.6	2.6	2.5
80°	3.1	3.0	2.7	2.4	2.5	2.7	2.9	3.3	3.2	3.0	2.9
77.5°	3.3	3.0	2.7	2.5	2.6	3.0	3.3	3.5	3.4	3.4	3.5
75°	3.3	3.0	2.9	2.9	3.2	3.4	3.5	3.7	3.9	3.9	3.8
72.5°	3.4	3.3	3.3	3.5	3.5	3.7	4.0	4.4	4.7	4.7	4.6
70°	3.5	3.5	3.5	3.5	3.6	4.0	4.6	5.2	5.6	5.8	6.4
67.5°	3.5	3.5	3.5	3.6	4.0	4.7	5.3	6.7	8.5	9.1	9.8
65°	3.5	3.5	3.6	4.0	4.6	5.6	7.1	9.1	12.6	14.2	15.0
62.5°	3.5	3.6	3.9	4.5	5.3	6.5	9.5	13.3	17.7	20.2	19.7
60°	3.5	3.6	4.4	5.3	6.3	8.9	12.8	17.3	22.9	27.0	24.2
57.5°	3.6	4.1	5.3	6.5	8.4	11.0	15.0	20.5	26.2	32.3	27.9
55°	4.0	5.1	6.3	7.9	10.0	12.0	16.0	21.1	27.4	31.2	27.4
52.5°	4.9	6.0	7.1	8.9	11.0	12.6	15.0	19.7	23.4	26.6	24.5
50°	5.7	6.5	7.6	9.7	11.6	12.6	12.4	16.0	19.1	20.5	20.8
47.5°	6.2	7.0	8.3	10.5	12.0	12.2	11.1	12.9	15.3	16.7	16.3
45°	6.6	7.7	9.2	11.1	12.2	11.8	11.6	10.9	13.8	15.1	15.4
42.5°	7.1	8.6	10.4	11.8	12.3	12.9	13.2	13.3	14.8	17.7	19.2
40°	7.8	9.4	11.8	13.1	13.3	15.3	17.4	19.0	20.1	24.1	26.9
37.5°	8.5	10.9	13.8	15.9	16.2	19.7	23.0	33.4	35.6	32.5	42.7
35°	9.1	12.6	17.4	22.4	25.2	26.1	40.5	54.6	60.7	59.4	68.0
32.5°	10.4	14.4	22.1	33.4	44.6	47.5	62.8	86.7	108.1	116.7	111.4
30°	12.4	18.8	29.7	47.5	72.8	100.6	105.0	131.6	174.7	209.9	262.5
27.5°	15.5	24.5	43.2	73.3	113.9	170.8	184.8	207.8	272.0	360.4	529.9
25°	19.0	39.0	58.6	107.8	182.8	249.6	275.9	319.3	393.8	679.3	1069.8
22.5°	26.8	58.4	90.2	147.5	263.1	332.1	379.7	452.6	629.6	1085.5	1845.5
20°	40.8	85.4	130.1	197.5	348.1	419.3	483.1	594.1	989.2	1836.9	3072.2
17.5°	57.2	114.5	171.5	257.9	394.0	491.2	590.1	739.1	1366.5	2713.2	4354.4
15°	75.6	145.2	210.4	310.2	434.2	538.7	676.7	1020.2	1965.6	3713.7	5532.2
12.5°	95.3	176.9	246.8	354.8	471.4	583.3	747.7	1260.4	2590.0	4622.7	6742.3
10°	115.5	209.0	280.7	392.4	505.6	624.6	812.1	1479.9	3030.3	4963.7	7322.0
7.5°	128.1	229.0	308.2	423.7	536.5	662.2	869.1	1673.7	3341.8	5135.6	7560.8
5°	137.5	234.1	310.9	432.9	556.1	692.2	913.6	1836.3	3535.4	5160.0	7634.5
2.5°	144.7	236.1	311.4	435.7	568.0	712.5	928.8	1890.1	3624.2	5207.2	7685.5
0°	149.6	235.6	309.8	434.7	576.1	728.0	934.2	1900.2	3626.1	5237.7	7704.6
-2.5°	157.6	244.0	325.6	453.0	585.2	731.3	941.8	1953.7	3802.0	5567.5	8285.9
-5°	163.3	250.4	338.7	467.2	590.6	729.7	940.5	1956.6	3824.1	5643.9	8309.5
-7.5°	166.8	254.6	348.6	475.6	585.9	711.4	908.4	1798.5	3487.6	5297.8	7745.0
-10°	168.9	259.9	355.5	470.7	568.4	681.2	862.8	1602.9	3085.2	4852.6	7062.7
-12.5°	172.8	266.1	360.2	465.0	552.1	648.0	809.1	1375.5	2628.3	4308.3	6272.1
-15°	174.0	270.2	362.5	459.4	538.5	612.3	747.6	1120.7	2170.3	3830.6	5489.4
-17.5°	172.5	272.2	362.6	454.8	528.8	574.7	684.8	900.4	1828.8	3366.7	4897.4
-20°	168.1	272.0	360.7	452.0	522.8	562.3	664.1	852.4	1535.4	2823.3	4338.0



REPORT NUMBER: P701427 (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°	160.9	269.8	357.2	447.2	522.3	573.7	646.5	792.0	1167.3	2195.8	3758.3
-25°	156.1	259.6	351.7	434.9	518.7	586.0	627.5	727.3	936.8	1716.5	2976.9
-27.5°	153.9	245.9	335.4	417.2	509.6	593.0	631.1	703.8	852.1	1190.2	2153.8
-30°	148.7	223.0	315.8	394.9	488.3	578.9	645.1	679.5	775.3	972.3	1539.1
-32.5°	138.2	199.6	289.8	370.8	458.7	558.1	647.6	681.5	743.4	856.9	1069.3
-35°	126.2	184.6	261.4	342.8	423.3	524.0	618.7	691.1	718.2	800.3	948.7
-37.5°	115.7	167.0	232.5	311.5	389.4	482.1	586.2	670.5	726.3	762.3	872.0
-40°	103.4	147.0	208.6	279.5	355.2	439.7	536.1	634.5	713.7	781.9	827.8
-42.5°	90.0	131.5	183.9	247.4	320.6	398.9	482.3	579.7	681.1	778.2	849.2
-45°	79.5	114.3	158.0	217.6	283.7	356.2	434.3	516.5	622.5	732.0	831.1
-47.5°	68.0	96.9	136.8	185.2	246.4	312.8	383.7	461.4	548.7	654.1	767.9
-50°	56.9	82.9	113.6	156.8	208.0	268.2	333.1	401.0	478.3	565.8	666.0
-52.5°	49.2	67.7	95.1	128.1	172.1	223.2	280.6	340.5	406.5	478.4	560.7
-55°	41.0	57.0	76.9	104.0	137.2	180.9	227.6	280.8	335.6	398.2	461.5
-57.5°	33.8	46.9	62.4	82.3	108.8	138.9	179.5	221.6	270.2	320.9	371.4
-60°	26.9	37.4	50.2	65.4	83.4	108.1	133.9	169.0	207.9	246.1	288.2
-62.5°	20.3	28.8	38.8	50.8	65.4	79.8	100.3	124.3	149.8	181.2	212.1
-65°	16.0	20.8	28.4	38.0	48.4	60.8	73.5	86.5	107.0	127.4	146.7
-67.5°	11.5	15.8	20.3	25.7	34.4	43.2	52.4	63.7	75.1	85.7	98.3
-70°	9.5	11.2	14.7	18.7	22.5	27.2	34.8	42.8	50.9	58.9	67.9
-72.5°	8.0	9.4	10.9	12.6	15.7	18.8	21.8	24.7	29.8	36.4	42.7
-75°	6.9	7.5	8.7	10.0	11.4	12.6	14.0	16.6	19.1	21.6	24.2
-77.5°	6.3	6.7	7.2	7.8	8.6	9.7	10.7	11.8	12.8	13.8	14.7
-80°	5.7	5.9	6.2	6.5	7.0	7.5	8.1	8.7	9.4	10.2	11.0
-82.5°	5.2	5.3	5.4	5.6	5.7	5.8	6.0	6.3	6.7	7.1	7.6
-85°	4.6	4.7	4.8	4.9	5.0	5.0	5.1	5.2	5.3	5.3	5.4
-87.5°	4.1	4.1	4.1	4.2	4.2	4.3	4.3	4.3	4.4	4.4	4.5
-90°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4



REPORT NUMBER: P701427 (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°	3.5	3.5	3.5	3.5	3.5	3.2	3.0	2.7	2.4	2.4	2.4
87.5°	2.4	2.4	2.4	2.4	2.4	2.1	1.8	1.5	1.2	1.2	1.2
85°	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.1	1.8
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.1	1.8
80°	2.7	2.7	2.7	2.6	2.4	2.4	2.4	2.4	2.4	2.1	1.8
77.5°	3.5	3.3	3.0	2.7	2.5	2.4	2.4	2.4	2.4	2.1	1.8
75°	3.6	3.4	3.3	3.1	3.0	2.9	2.8	2.6	2.4	2.4	2.3
72.5°	4.5	4.4	4.4	4.5	4.4	4.3	4.1	3.8	3.4	3.3	3.4
70°	6.8	7.0	7.1	7.0	6.6	6.1	5.6	5.1	4.6	4.5	4.5
67.5°	10.4	10.6	10.3	9.5	8.3	7.2	6.6	5.9	5.1	4.8	5.1
65°	14.8	13.1	11.7	10.4	9.3	8.3	7.5	6.8	6.0	5.9	6.6
62.5°	17.7	13.9	11.8	10.7	10.0	9.3	8.2	7.3	6.4	6.0	6.1
60°	20.1	14.8	11.2	10.2	9.3	8.3	7.3	6.4	5.6	5.1	4.9
57.5°	21.3	15.1	10.2	8.9	7.6	6.4	5.8	5.6	5.2	4.7	5.0
55°	20.5	14.0	8.7	7.7	7.3	7.1	6.9	6.3	5.8	5.5	5.7
52.5°	17.5	12.8	9.2	8.0	7.7	7.4	7.1	6.9	6.8	6.7	6.8
50°	15.6	11.9	9.5	8.1	8.1	8.1	8.1	8.2	8.4	8.5	8.6
47.5°	14.0	11.2	10.6	9.3	9.5	10.2	10.4	10.6	11.2	11.1	10.9
45°	13.9	15.0	14.6	13.8	13.3	18.5	18.9	15.8	18.8	18.4	16.1
42.5°	20.4	21.9	22.2	27.3	36.9	36.4	35.5	40.1	36.9	32.3	29.0
40°	31.6	31.6	37.6	46.1	45.8	44.0	49.9	50.6	50.2	52.9	52.0
37.5°	50.3	51.0	53.7	58.8	67.8	63.5	76.3	84.5	85.8	97.2	106.0
35°	83.8	98.2	85.3	115.9	136.0	131.7	150.3	183.5	152.2	233.0	247.6
32.5°	157.0	189.4	214.3	249.2	294.4	361.1	366.1	602.2	649.5	788.9	979.5
30°	270.4	364.2	544.4	591.4	664.1	940.5	1267.3	1676.2	2056.4	2327.9	2685.1
27.5°	651.1	806.0	1194.1	1615.8	1591.2	2107.6	3276.6	3636.2	4623.3	4951.7	5784.9
25°	1456.2	1827.2	2766.6	3603.9	4030.5	5391.4	6933.6	7629.2	8929.5	9620.8	10640.8
22.5°	2847.8	3865.5	5111.5	6397.2	7999.3	10083.0	11989.5	13381.2	15131.9	16537.5	17369.4
20°	4609.4	6017.6	7936.4	9933.6	12411.7	15149.0	17139.0	19958.5	22591.7	25092.2	26220.0
17.5°	6286.8	8639.6	10961.1	13371.6	16622.4	20203.0	23446.3	27569.9	31936.1	35293.8	38031.0
15°	7708.1	10326.1	13675.6	16556.6	20277.3	24742.4	29564.1	34835.9	41115.1	45887.5	51027.1
12.5°	9020.2	11645.3	15279.5	18720.2	23730.2	28773.2	34400.0	40950.4	48209.0	55268.7	61891.2
10°	9864.9	12890.4	16784.8	20964.9	26096.9	31952.8	38353.5	45691.7	54993.6	63064.6	70525.5
7.5°	10375.9	14025.8	18058.5	22515.8	28009.7	34035.7	40776.5	49427.2	59200.7	67631.2	74333.8
5°	10878.5	14956.1	18880.6	23263.4	29254.7	35386.7	41961.6	50639.1	60719.6	69158.1	75177.0
2.5°	11382.5	15596.5	19332.2	23560.9	29961.5	36150.1	43111.4	52356.3	62488.7	70238.7	75467.2
0°	11843.1	15825.0	19494.7	23635.6	30269.3	36483.6	43570.9	52699.7	64003.3	71456.9	76519.1
-2.5°	12010.2	15812.6	19319.0	23424.7	30012.4	36027.2	43080.8	52918.9	63467.4	71051.8	76192.0
-5°	11502.1	14952.7	18365.0	22523.7	28647.5	34856.0	41957.0	51712.3	61725.6	69577.3	74479.0
-7.5°	10546.8	13664.5	17020.8	21141.7	26705.8	32705.5	39169.6	47690.6	57548.5	64863.3	68723.8
-10°	9546.8	12221.0	15391.6	19205.7	24108.9	29806.5	35164.8	42415.2	51526.4	58011.3	61962.2
-12.5°	8403.7	10573.8	13500.3	16834.0	21210.6	26177.9	31078.7	37211.3	44169.6	50839.5	54952.7
-15°	7203.7	8950.1	11492.9	14691.8	18148.3	21863.6	26395.6	31363.2	36911.6	42317.9	47003.6
-17.5°	6243.2	7590.9	9924.2	12799.1	15434.6	18448.8	22865.9	26904.3	30964.9	35325.2	39228.6
-20°	5625.4	6890.4	8775.2	11175.6	13790.1	16828.4	20241.9	23774.0	27548.6	30896.3	34336.7



REPORT NUMBER: P701427 (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°	5132.3	6432.5	7886.8	9887.3	12670.2	15461.5	18087.3	20790.4	23922.0	27341.5	30223.6
-25°	4491.8	5855.3	7236.9	9139.7	11482.7	13949.9	15883.1	17807.7	20633.2	23541.3	25924.0
-27.5°	3601.0	5142.7	6755.8	8304.5	10301.8	12056.5	13755.4	15499.6	17963.3	20418.0	22198.3
-30°	2569.6	4350.3	6025.6	7608.1	8979.4	10361.1	11781.9	13567.4	15627.0	17602.1	19115.4
-32.5°	1880.2	3214.5	5026.3	6641.4	7983.4	9140.1	10231.2	11819.9	13431.3	15015.1	16461.5
-35°	1199.8	2175.0	3586.8	5231.5	6807.0	8035.0	9221.4	10372.5	11583.5	12933.3	14185.0
-37.5°	1033.0	1295.3	2162.6	3389.6	4899.6	6504.2	7670.7	8816.7	10052.8	11067.0	12119.2
-40°	936.2	1073.2	1293.0	1728.2	2868.4	4000.4	5310.9	6536.6	7718.2	8759.1	9720.7
-42.5°	894.0	975.9	1064.7	1229.8	1413.8	1956.6	2912.0	3804.4	4856.1	5901.0	6813.6
-45°	915.4	943.5	988.7	1069.9	1145.2	1298.1	1459.1	1627.3	2345.9	3099.5	3745.1
-47.5°	856.8	938.9	982.6	1017.9	1056.6	1123.2	1192.1	1285.8	1447.7	1611.9	1742.0
-50°	759.5	847.0	923.8	999.5	1036.2	1062.8	1091.2	1146.1	1221.2	1298.5	1355.5
-52.5°	638.6	723.2	807.7	884.4	947.0	1007.4	1067.2	1112.1	1151.4	1190.2	1209.0
-55°	530.4	601.0	669.1	738.2	806.3	871.0	937.2	1004.5	1067.0	1124.9	1153.5
-57.5°	428.7	487.8	546.4	599.1	653.5	708.8	770.1	835.5	900.2	960.7	991.9
-60°	332.2	377.6	425.5	468.5	508.8	546.6	599.6	653.3	704.7	748.5	771.8
-62.5°	242.9	278.1	314.5	348.6	381.0	413.1	453.0	491.8	529.1	559.3	576.8
-65°	168.3	194.6	219.0	242.6	265.5	292.9	323.1	352.1	379.7	400.3	412.0
-67.5°	114.9	130.5	144.1	156.9	173.3	192.6	213.8	233.7	252.3	265.7	274.7
-70°	76.8	85.2	92.8	101.4	111.8	122.4	133.8	145.1	156.1	163.7	168.4
-72.5°	48.7	54.1	59.2	65.2	70.7	76.3	81.9	87.1	91.8	96.2	100.2
-75°	26.7	29.6	33.6	37.4	40.8	44.6	48.2	51.5	54.3	56.2	57.6
-77.5°	16.3	18.2	19.8	21.3	22.7	24.3	26.2	28.1	30.0	31.3	32.3
-80°	11.8	12.4	13.0	13.6	14.2	14.8	15.2	15.6	15.8	16.3	16.8
-82.5°	8.0	8.4	8.7	9.0	9.3	9.8	10.3	10.8	11.3	11.7	12.1
-85°	5.5	5.4	5.4	5.4	5.5	5.8	6.1	6.5	6.8	6.9	7.0
-87.5°	4.5	4.3	4.0	3.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-90°	2.4	2.4	2.4	2.4	2.4	2.1	1.8	1.5	1.2	1.2	1.2



REPORT NUMBER: P701427 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5
85°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.3	2.3
82.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.4
80°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.4
77.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.4
75°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.6
72.5°	3.4	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.4	3.8
70°	4.6	4.7	4.7	4.7	4.7	4.7	4.6	4.5	4.5	4.6	5.1
67.5°	5.5	5.8	5.9	5.9	5.9	5.8	5.5	5.1	4.8	5.1	5.9
65°	7.3	8.0	7.7	7.1	7.7	8.0	7.3	6.6	5.9	6.0	6.8
62.5°	6.1	6.0	5.9	5.9	5.9	6.0	6.1	6.1	6.0	6.4	7.3
60°	4.8	4.8	4.7	4.7	4.7	4.8	4.8	4.9	5.1	5.6	6.4
57.5°	5.3	5.7	5.9	5.9	5.9	5.7	5.3	5.0	4.7	5.2	5.6
55°	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.7	5.5	5.8	6.3
52.5°	6.9	7.0	7.1	7.1	7.1	7.0	6.9	6.8	6.7	6.8	6.9
50°	8.5	8.3	8.2	8.2	8.2	8.3	8.5	8.6	8.5	8.4	8.2
47.5°	10.8	10.6	10.6	10.6	10.6	10.6	10.8	10.9	11.1	11.2	10.6
45°	16.1	15.6	15.2	15.3	15.2	15.6	16.1	16.1	18.4	18.8	15.8
42.5°	30.8	31.9	33.2	35.3	33.2	31.9	30.8	29.0	32.3	36.9	40.1
40°	52.5	51.0	49.1	49.5	49.1	51.0	52.5	52.0	52.9	50.2	50.6
37.5°	109.3	105.1	97.2	91.9	97.2	105.1	109.3	106.0	97.2	85.8	84.5
35°	224.6	219.3	206.4	202.6	206.4	219.3	224.6	247.6	233.0	152.2	183.5
32.5°	1057.1	1178.3	1216.4	1218.1	1216.4	1178.3	1057.1	979.5	788.9	649.5	602.2
30°	2712.9	2683.4	2421.7	2152.3	2421.7	2683.4	2712.9	2685.1	2327.9	2056.4	1676.2
27.5°	6529.1	7326.8	7902.9	7716.4	7902.9	7326.8	6529.1	5784.9	4951.7	4623.3	3636.2
25°	11759.6	12324.1	12509.3	12234.2	12509.3	12324.1	11759.6	10640.8	9620.8	8929.5	7629.2
22.5°	18462.4	18801.3	18771.8	18152.9	18771.8	18801.3	18462.4	17369.4	16537.5	15131.9	13381.2
20°	27802.8	27748.8	28026.5	26766.9	28026.5	27748.8	27802.8	26220.0	25092.2	22591.7	19958.5
17.5°	41013.5	43183.3	44835.3	44677.1	44835.3	43183.3	41013.5	38031.0	35293.8	31936.1	27569.9
15°	55046.9	58325.4	60566.3	60711.8	60566.3	58325.4	55046.9	51027.1	45887.5	41115.1	34835.9
12.5°	67245.7	70751.8	72655.0	72365.8	72655.0	70751.8	67245.7	61891.2	55268.7	48209.0	40950.4
10°	75016.7	77715.3	79718.3	80215.9	79718.3	77715.3	75016.7	70525.5	63064.6	54993.6	45691.7
7.5°	78132.8	80658.5	82404.5	82378.2	82404.5	80658.5	78132.8	74333.8	67631.2	59200.7	49427.2
5°	78709.4	81196.2	82184.4	82371.7	82184.4	81196.2	78709.4	75177.0	69158.1	60719.6	50639.1
2.5°	79276.5	81338.3	82412.4	82004.2	82412.4	81338.3	79276.5	75467.2	70238.7	62488.7	52356.3
0°	79498.4	81151.3	81990.7	81730.9	81990.7	81151.3	79498.4	76519.1	71456.9	64003.3	52699.7
-2.5°	79422.4	80509.7	81220.2	80974.5	81220.2	80509.7	79422.4	76192.0	71051.8	63467.4	52918.9
-5°	77390.0	78326.3	78657.4	78838.7	78657.4	78326.3	77390.0	74479.0	69577.3	61725.6	51712.3
-7.5°	70858.6	72089.2	71693.5	72290.4	71693.5	72089.2	70858.6	68723.8	64863.3	57548.5	47690.6
-10°	64397.2	65594.8	65184.0	65569.0	65184.0	65594.8	64397.2	61962.2	58011.3	51526.4	42415.2
-12.5°	58304.3	59810.8	59788.4	60334.8	59788.4	59810.8	58304.3	54952.7	50839.5	44169.6	37211.3
-15°	50979.2	52897.8	53942.7	54612.9	53942.7	52897.8	50979.2	47003.6	42317.9	36911.6	31363.2
-17.5°	43241.4	45708.6	47466.4	47736.5	47466.4	45708.6	43241.4	39228.6	35325.2	30964.9	26904.3
-20°	37292.5	39516.8	41171.2	41704.8	41171.2	39516.8	37292.5	34336.7	30896.3	27548.6	23774.0



REPORT NUMBER: P701427 (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°	32309.2	34144.7	35340.9	35635.4	35340.9	34144.7	32309.2	30223.6	27341.5	23922.0	20790.4
-25°	27485.1	28511.4	29139.2	29376.3	29139.2	28511.4	27485.1	25924.0	23541.3	20633.2	17807.7
-27.5°	23558.8	24290.8	24604.3	24727.7	24604.3	24290.8	23558.8	22198.3	20418.0	17963.3	15499.6
-30°	20272.2	20834.3	21178.7	21306.6	21178.7	20834.3	20272.2	19115.4	17602.1	15627.0	13567.4
-32.5°	17566.7	18126.2	18489.1	18619.4	18489.1	18126.2	17566.7	16461.5	15015.1	13431.3	11819.9
-35°	15033.5	15496.0	15826.7	15980.5	15826.7	15496.0	15033.5	14185.0	12933.3	11583.5	10372.5
-37.5°	12794.4	13211.7	13487.1	13572.5	13487.1	13211.7	12794.4	12119.2	11067.0	10052.8	8816.7
-40°	10262.5	10639.0	10848.5	10838.2	10848.5	10639.0	10262.5	9720.7	8759.1	7718.2	6536.6
-42.5°	7352.9	7733.2	8002.0	8204.1	8002.0	7733.2	7352.9	6813.6	5901.0	4856.1	3804.4
-45°	4177.3	4489.8	4691.0	4785.3	4691.0	4489.8	4177.3	3745.1	3099.5	2345.9	1627.3
-47.5°	1819.4	1876.1	1904.6	1904.9	1904.6	1876.1	1819.4	1742.0	1611.9	1447.7	1285.8
-50°	1396.7	1432.4	1452.9	1458.4	1452.9	1432.4	1396.7	1355.5	1298.5	1221.2	1146.1
-52.5°	1222.1	1234.4	1240.0	1240.5	1240.0	1234.4	1222.1	1209.0	1190.2	1151.4	1112.1
-55°	1177.7	1198.2	1206.4	1205.2	1206.4	1198.2	1177.7	1153.5	1124.9	1067.0	1004.5
-57.5°	1018.1	1038.5	1050.4	1054.4	1050.4	1038.5	1018.1	991.9	960.7	900.2	835.5
-60°	789.8	802.7	813.8	821.1	813.8	802.7	789.8	771.8	748.5	704.7	653.3
-62.5°	591.1	601.9	612.3	619.7	612.3	601.9	591.1	576.8	559.3	529.1	491.8
-65°	420.5	425.8	434.5	441.8	434.5	425.8	420.5	412.0	400.3	379.7	352.1
-67.5°	281.7	286.8	290.0	291.0	290.0	286.8	281.7	274.7	265.7	252.3	233.7
-70°	171.6	173.5	177.1	180.2	177.1	173.5	171.6	168.4	163.7	156.1	145.1
-72.5°	103.8	106.9	106.9	106.0	106.9	106.9	103.8	100.2	96.2	91.8	87.1
-75°	58.7	59.5	59.9	60.1	59.9	59.5	58.7	57.6	56.2	54.3	51.5
-77.5°	33.2	33.9	33.5	33.0	33.5	33.9	33.2	32.3	31.3	30.0	28.1
-80°	17.2	17.6	17.7	17.7	17.7	17.6	17.2	16.8	16.3	15.8	15.6
-82.5°	12.5	12.9	12.4	11.8	12.4	12.9	12.5	12.1	11.7	11.3	10.8
-85°	7.0	7.1	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.8	6.5
-87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-90°	1.2	1.2	0.6	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.5



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	3.0	3.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	1.8	2.1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.6	2.6	2.5
80°	2.4	2.4	2.4	2.6	2.7	2.7	2.7	2.9	3.0	3.2	3.3
77.5°	2.4	2.4	2.5	2.7	3.0	3.3	3.5	3.5	3.4	3.4	3.5
75°	2.8	2.9	3.0	3.1	3.3	3.4	3.6	3.8	3.9	3.9	3.7
72.5°	4.1	4.3	4.4	4.5	4.4	4.4	4.5	4.6	4.7	4.7	4.4
70°	5.6	6.1	6.6	7.0	7.1	7.0	6.8	6.4	5.8	5.6	5.2
67.5°	6.6	7.2	8.3	9.5	10.3	10.6	10.4	9.8	9.1	8.5	6.7
65°	7.5	8.3	9.3	10.4	11.7	13.1	14.8	15.0	14.2	12.6	9.1
62.5°	8.2	9.3	10.0	10.7	11.8	13.9	17.7	19.7	20.2	17.7	13.3
60°	7.3	8.3	9.3	10.2	11.2	14.8	20.1	24.2	27.0	22.9	17.3
57.5°	5.8	6.4	7.6	8.9	10.2	15.1	21.3	27.9	32.3	26.2	20.5
55°	6.9	7.1	7.3	7.7	8.7	14.0	20.5	27.4	31.2	27.4	21.1
52.5°	7.1	7.4	7.7	8.0	9.2	12.8	17.5	24.5	26.6	23.4	19.7
50°	8.1	8.1	8.1	8.1	9.5	11.9	15.6	20.8	20.5	19.1	16.0
47.5°	10.4	10.2	9.5	9.3	10.6	11.2	14.0	16.3	16.7	15.3	12.9
45°	18.9	18.5	13.3	13.8	14.6	15.0	13.9	15.4	15.1	13.8	10.9
42.5°	35.5	36.4	36.9	27.3	22.2	21.9	20.4	19.2	17.7	14.8	13.3
40°	49.9	44.0	45.8	46.1	37.6	31.6	31.6	26.9	24.1	20.1	19.0
37.5°	76.3	63.5	67.8	58.8	53.7	51.0	50.3	42.7	32.5	35.6	33.4
35°	150.3	131.7	136.0	115.9	85.3	98.2	83.8	68.0	59.4	60.7	54.6
32.5°	366.1	361.1	294.4	249.2	214.3	189.4	157.0	111.4	116.7	108.1	86.7
30°	1267.3	940.5	664.1	591.4	544.4	364.2	270.4	262.5	209.9	174.7	131.6
27.5°	3276.6	2107.6	1591.2	1615.8	1194.1	806.0	651.1	529.9	360.4	272.0	207.8
25°	6933.6	5391.4	4030.5	3603.9	2766.6	1827.2	1456.2	1069.8	679.3	393.8	319.3
22.5°	11989.5	10083.0	7999.3	6397.2	5111.5	3865.5	2847.8	1845.5	1085.5	629.6	452.6
20°	17139.0	15149.0	12411.7	9933.6	7936.4	6017.6	4609.4	3072.2	1836.9	989.2	594.1
17.5°	23446.3	20203.0	16622.4	13371.6	10961.1	8639.6	6286.8	4354.4	2713.2	1366.5	739.1
15°	29564.1	24742.4	20277.3	16556.6	13675.6	10326.1	7708.1	5532.2	3713.7	1965.6	1020.2
12.5°	34400.0	28773.2	23730.2	18720.2	15279.5	11645.3	9020.2	6742.3	4622.7	2590.0	1260.4
10°	38353.5	31952.8	26096.9	20964.9	16784.8	12890.4	9864.9	7322.0	4963.7	3030.3	1479.9
7.5°	40776.5	34035.7	28009.7	22515.8	18058.5	14025.8	10375.9	7560.8	5135.6	3341.8	1673.7
5°	41961.6	35386.7	29254.7	23263.4	18880.6	14956.1	10878.5	7634.5	5160.0	3535.4	1836.3
2.5°	43111.4	36150.1	29961.5	23560.9	19332.2	15596.5	11382.5	7685.5	5207.2	3624.2	1890.1
0°	43570.9	36483.6	30269.3	23635.6	19494.7	15825.0	11843.1	7704.6	5237.7	3626.1	1900.2
-2.5°	43080.8	36027.2	30012.4	23424.7	19319.0	15812.6	12010.2	8285.9	5567.5	3802.0	1953.7
-5°	41957.0	34856.0	28647.5	22523.7	18365.0	14952.7	11502.1	8309.5	5643.9	3824.1	1956.6
-7.5°	39169.6	32705.5	26705.8	21141.7	17020.8	13664.5	10546.8	7745.0	5297.8	3487.6	1798.5
-10°	35164.8	29806.5	24108.9	19205.7	15391.6	12221.0	9546.8	7062.7	4852.6	3085.2	1602.9
-12.5°	31078.7	26177.9	21210.6	16834.0	13500.3	10573.8	8403.7	6272.1	4308.3	2628.3	1375.5
-15°	26395.6	21863.6	18148.3	14691.8	11492.9	8950.1	7203.7	5489.4	3830.6	2170.3	1120.7
-17.5°	22865.9	18448.8	15434.6	12799.1	9924.2	7590.9	6243.2	4897.4	3366.7	1828.8	900.4
-20°	20241.9	16828.4	13790.1	11175.6	8775.2	6890.4	5625.4	4338.0	2823.3	1535.4	852.4



REPORT NUMBER: P701427 (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°	18087.3	15461.5	12670.2	9887.3	7886.8	6432.5	5132.3	3758.3	2195.8	1167.3	792.0
-25°	15883.1	13949.9	11482.7	9139.7	7236.9	5855.3	4491.8	2976.9	1716.5	936.8	727.3
-27.5°	13755.4	12056.5	10301.8	8304.5	6755.8	5142.7	3601.0	2153.8	1190.2	852.1	703.8
-30°	11781.9	10361.1	8979.4	7608.1	6025.6	4350.3	2569.6	1539.1	972.3	775.3	679.5
-32.5°	10231.2	9140.1	7983.4	6641.4	5026.3	3214.5	1880.2	1069.3	856.9	743.4	681.5
-35°	9221.4	8035.0	6807.0	5231.5	3586.8	2175.0	1199.8	948.7	800.3	718.2	691.1
-37.5°	7670.7	6504.2	4899.6	3389.6	2162.6	1295.3	1033.0	872.0	762.3	726.3	670.5
-40°	5310.9	4000.4	2868.4	1728.2	1293.0	1073.2	936.2	827.8	781.9	713.7	634.5
-42.5°	2912.0	1956.6	1413.8	1229.8	1064.7	975.9	894.0	849.2	778.2	681.1	579.7
-45°	1459.1	1298.1	1145.2	1069.9	988.7	943.5	915.4	831.1	732.0	622.5	516.5
-47.5°	1192.1	1123.2	1056.6	1017.9	982.6	938.9	856.8	767.9	654.1	548.7	461.4
-50°	1091.2	1062.8	1036.2	999.5	923.8	847.0	759.5	666.0	565.8	478.3	401.0
-52.5°	1067.2	1007.4	947.0	884.4	807.7	723.2	638.6	560.7	478.4	406.5	340.5
-55°	937.2	871.0	806.3	738.2	669.1	601.0	530.4	461.5	398.2	335.6	280.8
-57.5°	770.1	708.8	653.5	599.1	546.4	487.8	428.7	371.4	320.9	270.2	221.6
-60°	599.6	546.6	508.8	468.5	425.5	377.6	332.2	288.2	246.1	207.9	169.0
-62.5°	453.0	413.1	381.0	348.6	314.5	278.1	242.9	212.1	181.2	149.8	124.3
-65°	323.1	292.9	265.5	242.6	219.0	194.6	168.3	146.7	127.4	107.0	86.5
-67.5°	213.8	192.6	173.3	156.9	144.1	130.5	114.9	98.3	85.7	75.1	63.7
-70°	133.8	122.4	111.8	101.4	92.8	85.2	76.8	67.9	58.9	50.9	42.8
-72.5°	81.9	76.3	70.7	65.2	59.2	54.1	48.7	42.7	36.4	29.8	24.7
-75°	48.2	44.6	40.8	37.4	33.6	29.6	26.7	24.2	21.6	19.1	16.6
-77.5°	26.2	24.3	22.7	21.3	19.8	18.2	16.3	14.7	13.8	12.8	11.8
-80°	15.2	14.8	14.2	13.6	13.0	12.4	11.8	11.0	10.2	9.4	8.7
-82.5°	10.3	9.8	9.3	9.0	8.7	8.4	8.0	7.6	7.1	6.7	6.3
-85°	6.1	5.8	5.5	5.4	5.4	5.4	5.5	5.4	5.3	5.3	5.2
-87.5°	3.5	3.5	3.5	3.8	4.0	4.3	4.5	4.5	4.4	4.4	4.3
-90°	1.8	2.1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4



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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°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7	3.0	3.2
85°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7	3.0	3.2
82.5°	2.4	2.4	2.4	2.4	2.6	2.7	2.7	2.7	2.8	3.0	3.2
80°	2.9	2.7	2.5	2.4	2.7	3.0	3.1	3.2	3.1	3.2	3.3
77.5°	3.3	3.0	2.6	2.5	2.7	3.0	3.3	3.5	3.4	3.3	3.4
75°	3.5	3.4	3.2	2.9	2.9	3.0	3.3	3.5	3.5	3.5	3.5
72.5°	4.0	3.7	3.5	3.5	3.3	3.3	3.4	3.5	3.5	3.5	3.5
70°	4.6	4.0	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
67.5°	5.3	4.7	4.0	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5
65°	7.1	5.6	4.6	4.0	3.6	3.5	3.5	3.5	3.5	3.5	3.5
62.5°	9.5	6.5	5.3	4.5	3.9	3.6	3.5	3.5	3.5	3.5	3.5
60°	12.8	8.9	6.3	5.3	4.4	3.6	3.5	3.5	3.5	3.5	3.5
57.5°	15.0	11.0	8.4	6.5	5.3	4.1	3.6	3.6	3.5	3.5	3.5
55°	16.0	12.0	10.0	7.9	6.3	5.1	4.0	3.8	3.6	3.5	3.6
52.5°	15.0	12.6	11.0	8.9	7.1	6.0	4.9	4.0	3.8	3.5	3.6
50°	12.4	12.6	11.6	9.7	7.6	6.5	5.7	4.7	4.1	3.6	3.7
47.5°	11.1	12.2	12.0	10.5	8.3	7.0	6.2	5.3	4.5	3.9	3.7
45°	11.6	11.8	12.2	11.1	9.2	7.7	6.6	5.8	4.9	4.3	3.8
42.5°	13.2	12.9	12.3	11.8	10.4	8.6	7.1	6.2	5.3	4.7	4.0
40°	17.4	15.3	13.3	13.1	11.8	9.4	7.8	6.6	5.7	5.0	4.3
37.5°	23.0	19.7	16.2	15.9	13.8	10.9	8.5	6.9	6.1	5.4	4.6
35°	40.5	26.1	25.2	22.4	17.4	12.6	9.1	7.3	6.5	5.7	4.9
32.5°	62.8	47.5	44.6	33.4	22.1	14.4	10.4	8.3	7.0	6.0	5.2
30°	105.0	100.6	72.8	47.5	29.7	18.8	12.4	9.4	7.5	6.3	5.5
27.5°	184.8	170.8	113.9	73.3	43.2	24.5	15.5	10.7	8.0	6.7	5.7
25°	275.9	249.6	182.8	107.8	58.6	39.0	19.0	12.2	8.8	7.1	6.0
22.5°	379.7	332.1	263.1	147.5	90.2	58.4	26.8	15.0	9.9	7.5	6.2
20°	483.1	419.3	348.1	197.5	130.1	85.4	40.8	18.0	11.1	7.9	6.4
17.5°	590.1	491.2	394.0	257.9	171.5	114.5	57.2	21.2	12.3	8.3	6.6
15°	676.7	538.7	434.2	310.2	210.4	145.2	75.6	24.4	13.6	8.7	6.8
12.5°	747.7	583.3	471.4	354.8	246.8	176.9	95.3	27.7	14.8	9.0	6.9
10°	812.1	624.6	505.6	392.4	280.7	209.0	115.5	30.9	16.2	9.4	7.0
7.5°	869.1	662.2	536.5	423.7	308.2	229.0	128.1	33.9	17.6	9.7	7.0
5°	913.6	692.2	556.1	432.9	310.9	234.1	137.5	36.6	18.9	10.1	7.1
2.5°	928.8	712.5	568.0	435.7	311.4	236.1	144.7	39.1	20.1	10.4	7.1
0°	934.2	728.0	576.1	434.7	309.8	235.6	149.6	41.2	21.2	10.6	7.1
-2.5°	941.8	731.3	585.2	453.0	325.6	244.0	157.6	51.4	27.7	14.2	8.4
-5°	940.5	729.7	590.6	467.2	338.7	250.4	163.3	61.0	33.8	17.6	9.6
-7.5°	908.4	711.4	585.9	475.6	348.6	254.6	166.8	69.8	39.4	20.8	10.7
-10°	862.8	681.2	568.4	470.7	355.5	259.9	168.9	77.5	44.4	23.5	11.7
-12.5°	809.1	648.0	552.1	465.0	360.2	266.1	172.8	84.9	48.8	25.8	12.5
-15°	747.6	612.3	538.5	459.4	362.5	270.2	174.0	91.2	53.0	28.0	13.1
-17.5°	684.8	574.7	528.8	454.8	362.6	272.2	172.5	95.8	56.2	30.0	14.1
-20°	664.1	562.3	522.8	452.0	360.7	272.0	168.1	98.5	58.4	31.4	15.2



REPORT NUMBER: P701427 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	646.5	573.7	522.3	447.2	357.2	269.8	160.9	99.2	59.3	32.2	16.1
-25°	627.5	586.0	518.7	434.9	351.7	259.6	156.1	97.6	58.9	32.1	16.5
-27.5°	631.1	593.0	509.6	417.2	335.4	245.9	153.9	97.0	57.8	31.2	16.5
-30°	645.1	578.9	488.3	394.9	315.8	223.0	148.7	94.7	56.8	30.7	16.1
-32.5°	647.6	558.1	458.7	370.8	289.8	199.6	138.2	90.5	54.5	30.2	16.0
-35°	618.7	524.0	423.3	342.8	261.4	184.6	126.2	84.5	51.2	29.1	15.8
-37.5°	586.2	482.1	389.4	311.5	232.5	167.0	115.7	76.8	46.6	27.4	15.2
-40°	536.1	439.7	355.2	279.5	208.6	147.0	103.4	69.2	43.2	25.0	14.2
-42.5°	482.3	398.9	320.6	247.4	183.9	131.5	90.0	60.7	39.2	23.0	12.9
-45°	434.3	356.2	283.7	217.6	158.0	114.3	79.5	51.9	34.6	21.0	11.6
-47.5°	383.7	312.8	246.4	185.2	136.8	96.9	68.0	46.2	29.6	18.6	10.7
-50°	333.1	268.2	208.0	156.8	113.6	82.9	56.9	39.9	26.1	15.6	9.6
-52.5°	280.6	223.2	172.1	128.1	95.1	67.7	49.2	33.4	22.1	13.5	8.3
-55°	227.6	180.9	137.2	104.0	76.9	57.0	41.0	28.4	17.8	11.6	6.9
-57.5°	179.5	138.9	108.8	82.3	62.4	46.9	33.8	22.9	15.0	9.6	6.7
-60°	133.9	108.1	83.4	65.4	50.2	37.4	26.9	17.9	12.3	7.9	6.5
-62.5°	100.3	79.8	65.4	50.8	38.8	28.8	20.3	14.6	9.5	7.4	6.2
-65°	73.5	60.8	48.4	38.0	28.4	20.8	16.0	11.0	8.4	6.9	5.9
-67.5°	52.4	43.2	34.4	25.7	20.3	15.8	11.5	9.1	7.6	6.3	5.6
-70°	34.8	27.2	22.5	18.7	14.7	11.2	9.5	8.0	6.7	6.0	5.3
-72.5°	21.8	18.8	15.7	12.6	10.9	9.4	8.0	6.9	6.3	5.6	5.0
-75°	14.0	12.6	11.4	10.0	8.7	7.5	6.9	6.4	5.8	5.3	4.9
-77.5°	10.7	9.7	8.6	7.8	7.2	6.7	6.3	6.0	5.5	5.1	4.8
-80°	8.1	7.5	7.0	6.5	6.2	5.9	5.7	5.5	5.2	4.9	4.8
-82.5°	6.0	5.8	5.7	5.6	5.4	5.3	5.2	5.0	4.8	4.7	4.6
-85°	5.1	5.0	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2
-87.5°	4.3	4.3	4.2	4.2	4.1	4.1	4.1	4.0	4.0	3.9	3.9
-90°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7	3.0	3.2



REPORT NUMBER: P701427 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
77.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
75°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
72.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
70°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
67.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
65°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
62.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
60°	3.5	3.5	3.5	3.5	3.5	3.5	3.5
57.5°	3.6	3.5	3.5	3.5	3.5	3.5	3.5
55°	3.6	3.5	3.5	3.5	3.5	3.5	3.5
52.5°	3.7	3.5	3.5	3.5	3.5	3.5	3.5
50°	3.8	3.6	3.5	3.5	3.5	3.5	3.5
47.5°	4.0	3.7	3.5	3.5	3.5	3.5	3.5
45°	4.0	3.9	3.5	3.5	3.5	3.5	3.5
42.5°	4.1	4.0	3.5	3.5	3.5	3.5	3.5
40°	4.1	4.2	3.6	3.5	3.5	3.5	3.5
37.5°	4.2	4.3	3.7	3.5	3.5	3.5	3.5
35°	4.3	4.4	3.8	3.6	3.5	3.5	3.5
32.5°	4.4	4.5	3.9	3.6	3.5	3.5	3.5
30°	4.6	4.5	4.0	3.7	3.5	3.5	3.5
27.5°	4.8	4.6	4.2	3.7	3.5	3.5	3.5
25°	5.0	4.7	4.3	3.8	3.5	3.5	3.5
22.5°	5.2	4.7	4.4	3.9	3.5	3.5	3.5
20°	5.4	4.7	4.5	4.0	3.5	3.5	3.5
17.5°	5.6	4.7	4.6	4.1	3.5	3.5	3.5
15°	5.6	4.7	4.6	4.2	3.5	3.5	3.5
12.5°	5.7	4.7	4.6	4.3	3.5	3.5	3.5
10°	5.8	4.7	4.7	4.3	3.5	3.5	3.5
7.5°	5.8	4.7	4.7	4.4	3.5	3.5	3.5
5°	5.9	4.7	4.7	4.5	3.5	3.5	3.5
2.5°	5.9	4.7	4.7	4.6	3.5	3.5	3.5
0°	5.9	4.7	4.7	4.7	3.5	3.5	3.5
-2.5°	6.2	4.8	4.7	4.7	3.6	3.5	3.5
-5°	6.5	5.0	4.7	4.7	3.6	3.5	3.5
-7.5°	6.7	5.1	4.7	4.7	3.7	3.5	3.5
-10°	7.0	5.2	4.7	4.7	3.7	3.5	3.5
-12.5°	7.1	5.3	4.7	4.6	3.7	3.5	3.5
-15°	7.3	5.4	4.7	4.6	3.8	3.5	3.5
-17.5°	7.4	5.4	4.7	4.6	3.8	3.5	3.5
-20°	7.7	5.4	4.7	4.6	3.9	3.5	3.5



REPORT NUMBER: P701427 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	8.3	5.4	4.7	4.6	3.9	3.5	3.5
-25°	8.7	5.5	4.7	4.6	3.9	3.5	3.5
-27.5°	9.0	5.6	4.7	4.6	3.9	3.5	3.5
-30°	9.0	5.7	4.7	4.6	3.9	3.5	3.5
-32.5°	8.8	5.6	4.8	4.6	3.9	3.5	3.5
-35°	8.6	5.5	4.8	4.6	3.9	3.5	3.5
-37.5°	8.4	5.3	4.9	4.6	3.9	3.5	3.5
-40°	8.1	5.4	4.9	4.7	3.9	3.5	3.5
-42.5°	7.7	5.4	4.9	4.7	3.9	3.5	3.5
-45°	7.1	5.4	4.9	4.7	3.9	3.5	3.5
-47.5°	6.3	5.4	4.9	4.7	3.8	3.5	3.5
-50°	6.1	5.4	4.9	4.6	3.8	3.5	3.5
-52.5°	6.1	5.3	4.9	4.5	3.7	3.5	3.5
-55°	6.0	5.2	4.8	4.4	3.6	3.5	3.5
-57.5°	5.8	5.2	4.8	4.3	3.6	3.5	3.5
-60°	5.6	5.0	4.7	4.2	3.5	3.5	3.5
-62.5°	5.4	4.9	4.6	4.1	3.5	3.5	3.5
-65°	5.2	4.8	4.5	4.0	3.5	3.5	3.5
-67.5°	5.0	4.7	4.4	3.9	3.5	3.5	3.5
-70°	4.7	4.6	4.3	3.8	3.5	3.5	3.5
-72.5°	4.7	4.5	4.2	3.7	3.5	3.5	3.5
-75°	4.7	4.4	4.1	3.7	3.5	3.5	3.5
-77.5°	4.7	4.4	4.0	3.7	3.5	3.5	3.5
-80°	4.7	4.3	3.9	3.6	3.5	3.5	3.5
-82.5°	4.4	4.1	3.8	3.6	3.5	3.5	3.5
-85°	4.1	3.9	3.7	3.6	3.5	3.5	3.5
-87.5°	3.8	3.7	3.6	3.5	3.5	3.5	3.5
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

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

Scaled Data Report

