

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: P701421 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-70-3S-CV5-S**

Issue Date: 8/29/2023

Test Information

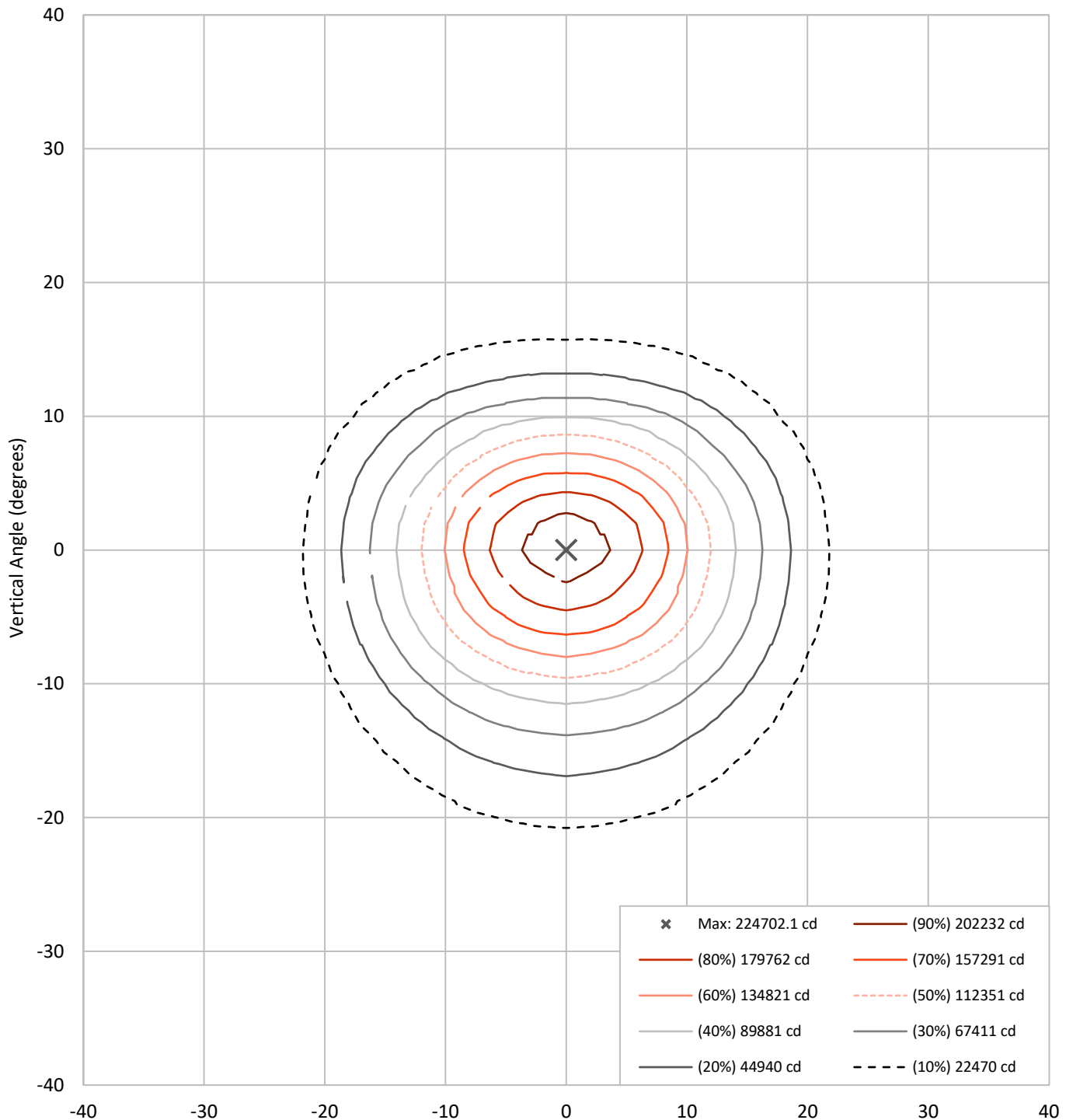
Test Method: LM-79-08
Report Number: P701421 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-57-70-3S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	37564.6 lumens	Max Intensity:	224702.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	109.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	16069.3 lumens	Field Lumens:	32102.7 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%
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





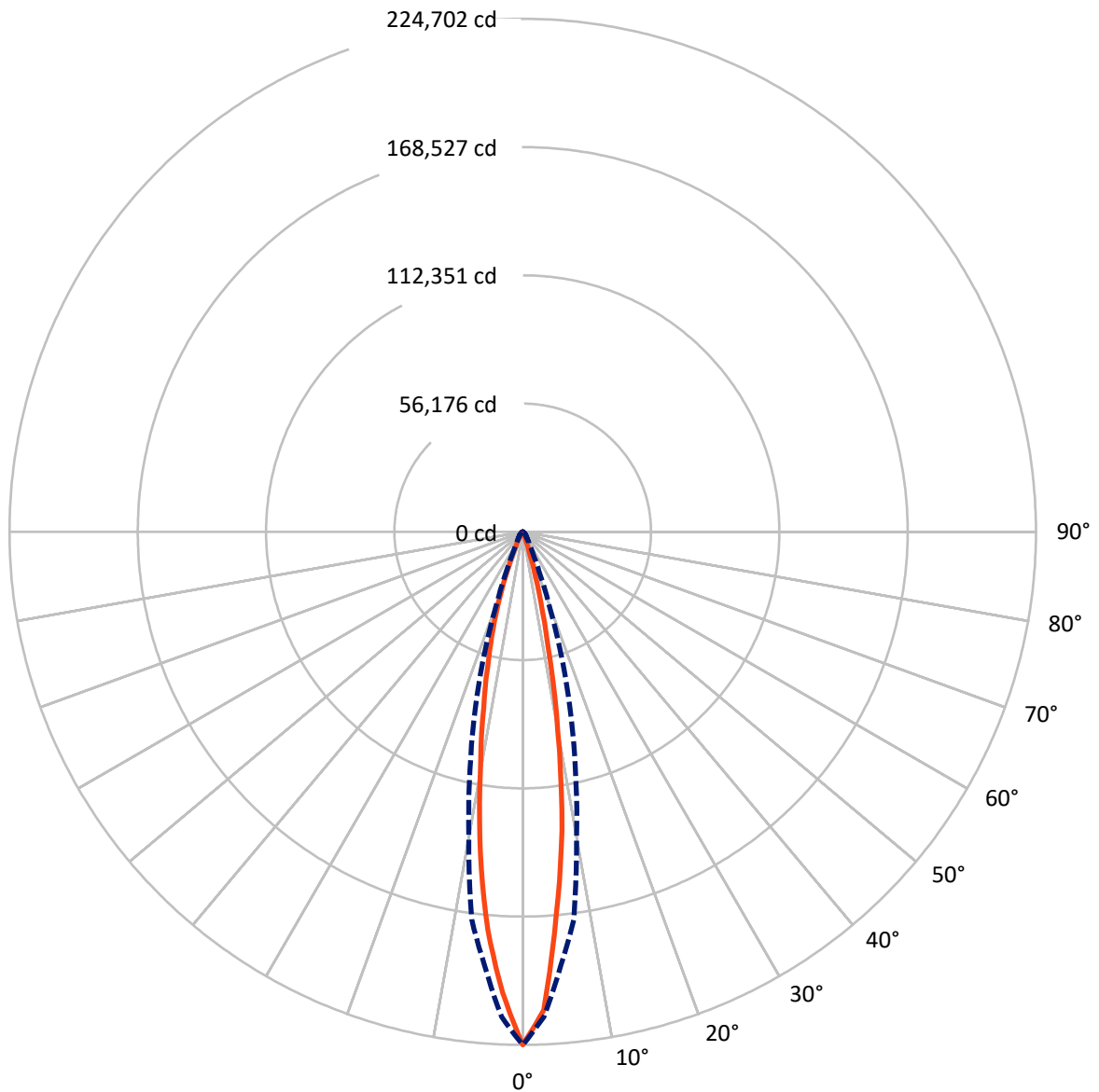
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Lumen Table

90	0.1		0.3		0.5		0.5		0.6		0.5		0.5		0.3		0.1		
80	0.1		0.3		0.5		0.5		0.6		0.5		0.5		0.3		0.1		
70	0.1	0.1	0.1	0.4	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.4	0.1	0.1	0.1			
60		0.1	0.3	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.3	0.1				
50	0.1	0.1	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.1	0.1			
40		0.1	0.4	0.6	1.0	1.5	1.8	2.4	2.4	1.8	1.5	1.0	0.6	0.4	0.1				
30	0.2	0.3	1.1	2.6	4.9	7.5	17.1	34.3	34.3	17.1	7.5	4.9	2.6	1.1	0.3	0.2			
20		0.7	3.9	12.3	27.1	72.6	402.4	920.8	920.8	402.4	72.6	27.1	12.3	3.9	0.7				
10	0.2	1.4	8.1	29.2	68.1	299.6	1879.2	4386.4	4386.4	1879.2	299.6	68.1	29.2	8.1	1.4	0.2			
0		1.8	9.7	34.2	76.4	319.3	2004.3	4517.9	4517.9	2004.3	319.3	76.4	34.2	9.7	1.8				
-10	0.4	1.9	8.3	25.9	54.2	137.6	727.7	1637.7	1637.7	727.7	137.6	54.2	25.9	8.3	1.9	0.4			
-20		1.9	6.7	16.3	38.3	64.9	140.9	283.4	283.4	140.9	64.9	38.3	16.3	6.7	1.9				
-30	0.3	1.7	5.4	11.4	24.8	44.8	60.9	71.0	71.0	60.9	44.8	24.8	11.4	5.4	1.7	0.3			
-40		1.2	4.0	8.6	15.4	25.1	38.5	48.4	48.4	38.5	25.1	15.4	8.6	4.0	1.2				
-50	0.2	0.6	2.4	5.5	9.8	14.4	18.2	20.5	20.5	18.2	14.4	9.8	5.5	2.4	0.6	0.2			
-60		0.2	0.8	2.4	4.4	6.8	9.1	10.5	10.5	9.1	6.8	4.4	2.4	0.8	0.2				
-70	0.1	0.5		1.8		4.9		7.5		4.9		1.8		0.5		0.1			
-80		0.5		1.8		4.9		7.5		4.9		1.8		0.5					
-90	0.1		0.5		1.8		4.9		7.5		4.9		1.8		0.5		0.1		

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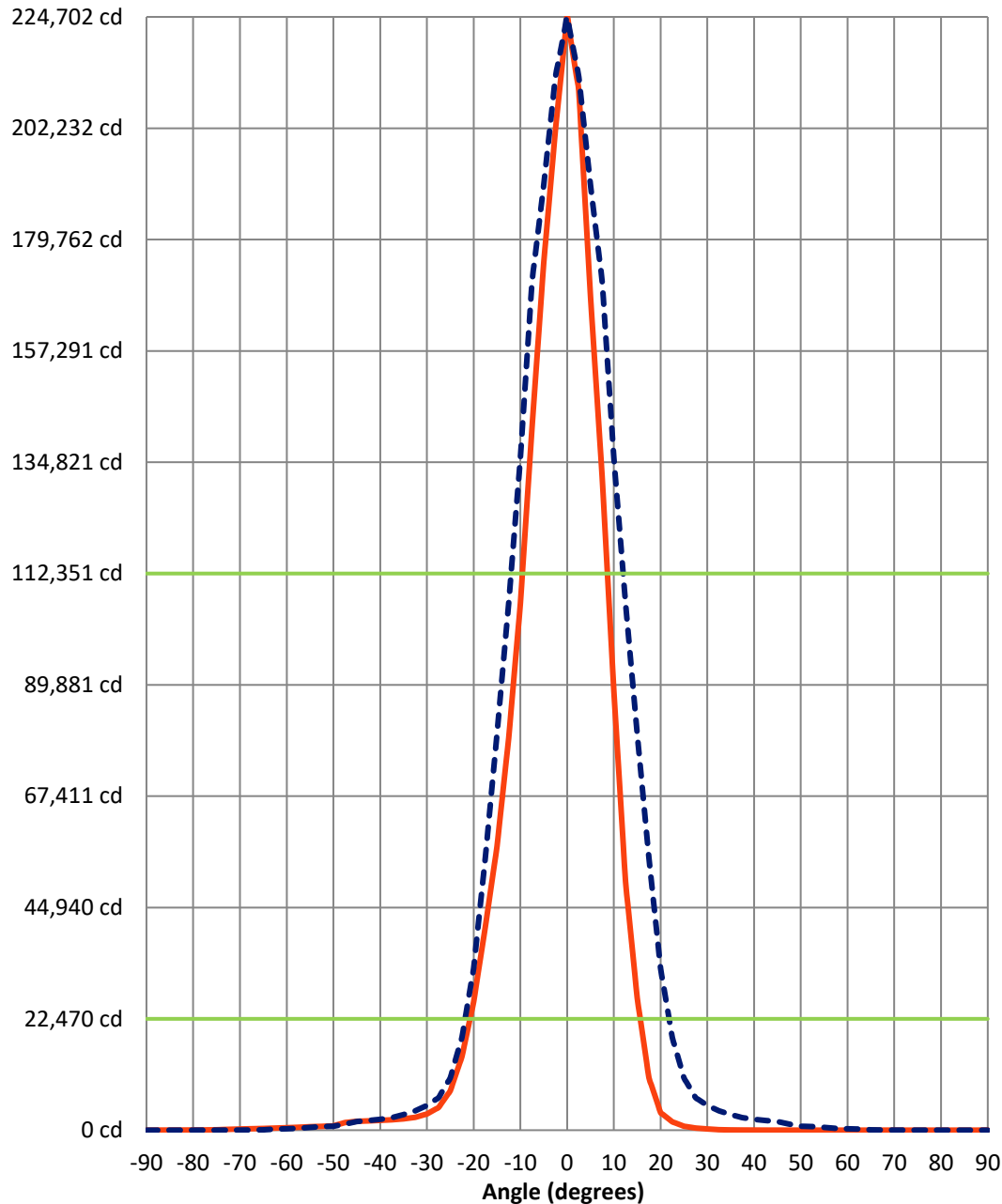
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24°
 V Angle: 18.2°
 Lumens: 16069.3
 Efficiency: 42.8%

Field:
 H Angle: 43.7°
 V Angle: 36.4°
 Lumens: 32102.7
 Efficiency: 85.5%

Spill:
 Lumens: 5461.9
 Efficiency: 14.5%

— 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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
72.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
70°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.1
67.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.1	5.6
65°	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.7	5.1	5.6	5.8
62.5°	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.9	5.5	5.9	5.5
60°	4.7	4.7	4.7	4.7	4.7	4.9	4.9	5.3	5.8	5.7	5.2
57.5°	4.7	4.7	4.7	4.7	4.8	5.1	5.2	5.6	5.8	5.5	5.1
55°	4.7	4.7	4.7	4.7	4.9	5.2	5.4	5.9	5.8	5.5	5.2
52.5°	4.7	4.7	4.8	4.7	5.1	5.3	5.6	5.9	5.8	5.5	5.3
50°	4.7	4.7	4.8	4.7	5.2	5.5	5.8	6.0	5.8	5.6	6.4
47.5°	4.7	4.7	4.8	4.7	5.3	5.6	5.9	6.1	5.9	5.7	7.4
45°	4.7	4.7	4.8	4.8	5.5	5.7	6.0	6.2	6.0	6.3	8.1
42.5°	4.7	4.7	4.9	4.9	5.6	5.8	6.1	6.3	6.2	6.7	8.9
40°	4.7	4.7	4.9	5.1	5.7	5.8	6.3	6.5	6.4	6.9	9.7
37.5°	4.7	4.7	5.0	5.2	5.8	5.9	6.4	6.7	6.9	7.7	10.4
35°	4.7	4.7	5.0	5.3	5.8	6.0	6.6	6.9	7.5	8.9	10.8
32.5°	4.7	4.7	5.1	5.4	5.9	6.1	6.8	7.1	8.0	10.2	11.9
30°	4.7	4.7	5.1	5.5	5.9	6.2	6.9	7.4	8.6	11.5	13.2
27.5°	4.7	4.7	5.2	5.6	5.9	6.4	7.1	7.9	9.4	12.9	14.7
25°	4.7	4.7	5.3	5.7	5.9	6.5	7.4	8.4	10.5	14.2	16.5
22.5°	4.7	4.7	5.3	5.7	5.9	6.6	7.6	8.8	11.6	15.6	19.9
20°	4.7	4.7	5.4	5.8	5.9	6.7	7.8	9.3	12.6	17.1	23.7
17.5°	4.7	4.7	5.5	5.8	5.9	6.8	8.0	9.8	13.7	18.7	27.7
15°	4.7	4.7	5.5	5.9	5.9	6.9	8.0	10.3	14.7	20.3	31.9
12.5°	4.7	4.7	5.6	5.9	5.9	7.0	8.1	10.9	15.9	22.0	36.2
10°	4.7	4.7	5.7	5.9	5.9	7.0	8.2	11.6	17.1	24.8	41.5
7.5°	4.7	4.7	5.7	5.9	5.9	7.0	8.2	12.3	18.3	27.9	48.9
5°	4.7	4.7	5.8	5.9	5.9	7.1	8.3	13.0	19.4	31.0	56.2
2.5°	4.7	4.7	5.8	5.9	5.9	7.1	8.3	13.6	20.5	34.0	63.3
0°	4.7	4.7	5.9	5.9	5.9	7.1	8.3	14.2	21.4	36.8	70.0
-2.5°	4.7	4.7	5.9	5.9	6.0	7.4	9.4	17.0	27.1	45.2	80.2
-5°	4.7	4.7	5.9	5.9	6.1	7.6	10.5	19.6	32.6	53.3	89.6
-7.5°	4.7	4.7	5.9	5.9	6.2	7.8	11.4	21.9	37.7	60.8	98.2
-10°	4.7	4.7	5.9	5.9	6.3	8.0	12.3	24.1	42.3	67.6	105.8
-12.5°	4.7	4.7	5.8	5.9	6.4	8.2	13.1	25.8	46.3	73.7	112.8
-15°	4.7	4.7	5.8	5.9	6.4	8.3	13.7	27.2	49.9	79.3	118.9
-17.5°	4.7	4.7	5.8	5.9	6.5	8.4	14.1	28.7	53.3	84.1	123.7
-20°	4.7	4.7	5.8	5.9	6.5	8.5	14.5	30.2	55.9	88.1	127.3



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.7	4.7	5.7	5.9	6.5	8.5	14.9	30.9	57.5	91.1	129.6
-25°	4.7	4.7	5.7	5.9	6.5	8.6	15.0	31.0	58.1	93.2	130.5
-27.5°	4.7	4.7	5.6	5.9	6.5	8.7	14.7	30.3	57.7	94.2	132.3
-30°	4.7	4.7	5.6	5.9	6.5	8.7	13.9	28.8	56.8	93.5	132.9
-32.5°	4.7	4.7	5.5	5.9	6.5	8.6	12.7	27.7	55.0	91.4	132.3
-35°	4.7	4.7	5.5	5.9	6.5	8.4	12.2	26.3	52.0	87.8	130.4
-37.5°	4.7	4.7	5.4	5.9	6.4	8.3	12.0	24.2	47.8	82.7	121.7
-40°	4.7	4.7	5.3	5.9	6.3	8.2	11.7	21.4	42.5	76.8	110.9
-42.5°	4.7	4.7	5.3	5.9	6.3	8.1	11.3	18.0	37.8	67.4	99.0
-45°	4.7	4.7	5.2	5.9	6.3	8.0	10.8	15.3	33.0	57.0	86.3
-47.5°	4.7	4.7	5.1	5.9	6.3	7.7	10.2	14.6	27.2	45.8	73.7
-50°	4.7	4.7	5.0	5.8	6.3	7.5	9.8	13.7	20.1	37.8	60.3
-52.5°	4.7	4.7	5.0	5.7	6.2	7.2	9.4	12.7	16.9	29.5	46.5
-55°	4.7	4.7	4.9	5.6	6.1	7.0	8.9	11.6	15.4	20.7	36.7
-57.5°	4.7	4.7	4.8	5.5	6.0	6.8	8.4	10.8	13.8	17.3	26.5
-60°	4.7	4.7	4.7	5.4	5.9	6.6	7.8	10.0	12.3	15.4	18.8
-62.5°	4.7	4.7	4.7	5.3	5.8	6.3	7.4	9.1	11.3	13.5	16.6
-65°	4.7	4.7	4.7	5.2	5.7	6.1	7.0	8.3	10.2	12.2	14.4
-67.5°	4.7	4.7	4.7	5.1	5.6	5.9	6.5	7.7	9.2	11.0	12.8
-70°	4.7	4.7	4.7	5.0	5.5	5.8	6.0	7.1	8.5	9.8	11.5
-72.5°	4.7	4.7	4.7	4.9	5.4	5.7	5.9	6.5	7.8	9.0	10.3
-75°	4.7	4.7	4.7	4.9	5.3	5.6	5.9	6.3	7.0	8.2	9.3
-77.5°	4.7	4.7	4.7	4.9	5.2	5.6	5.9	6.1	6.7	7.4	8.4
-80°	4.7	4.7	4.7	4.8	5.1	5.5	5.9	6.0	6.3	6.8	7.5
-82.5°	4.7	4.7	4.7	4.8	5.0	5.3	5.6	5.8	5.9	6.2	6.5
-85°	4.7	4.7	4.7	4.8	4.9	5.1	5.3	5.4	5.5	5.6	5.7
-87.5°	4.7	4.7	4.7	4.7	4.8	4.9	5.0	5.1	5.1	5.2	5.2
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7



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 CATALOG NUMBER: EPH-LS-08-0320L-57-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.0	5.3	5.6
87.5°	4.6	4.4	4.3	4.2	4.1	4.0	3.8	3.6	3.6	3.6	3.6
85°	4.7	4.7	4.7	4.7	4.4	4.2	3.9	3.6	3.6	3.6	3.6
82.5°	4.7	4.7	4.7	4.7	4.5	4.2	3.9	3.8	3.8	3.8	3.7
80°	4.7	4.7	4.7	4.7	4.6	4.5	4.5	4.5	4.4	4.2	3.9
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.5	4.2	3.9
75°	4.7	4.7	4.8	4.7	4.7	4.7	4.7	4.7	4.6	4.5	4.5
72.5°	4.9	5.0	5.0	4.8	4.7	4.7	4.7	4.7	5.6	6.8	7.7
70°	5.4	5.4	5.1	4.8	4.7	5.0	6.5	8.5	10.6	12.1	14.1
67.5°	5.7	5.2	4.8	4.8	5.7	7.3	9.6	14.7	20.3	22.5	23.2
65°	5.3	4.8	5.0	5.8	7.0	11.2	16.8	23.3	28.2	27.8	26.4
62.5°	4.8	4.9	5.5	7.4	11.2	16.5	21.6	26.2	30.7	29.5	25.3
60°	4.8	5.0	7.2	11.1	15.2	19.0	23.8	26.4	28.5	28.3	22.4
57.5°	4.9	6.4	10.3	14.1	17.3	20.2	21.7	23.5	24.3	24.3	18.2
55°	5.7	8.8	12.6	15.8	18.2	17.8	18.3	18.6	18.7	17.4	12.4
52.5°	7.5	10.9	13.9	16.8	17.3	15.6	13.6	13.7	12.8	10.8	8.9
50°	9.1	12.0	15.0	17.0	16.2	13.0	10.1	10.0	9.1	7.9	6.8
47.5°	10.2	13.2	16.1	17.1	14.4	11.8	9.3	8.1	7.2	7.0	6.2
45°	11.2	14.0	17.1	16.0	13.6	11.6	9.6	7.1	7.4	7.4	7.6
42.5°	12.1	14.7	16.4	15.3	13.9	12.4	10.6	9.1	8.5	9.4	9.8
40°	12.5	15.1	15.9	16.1	14.7	14.0	13.7	12.7	11.0	12.5	13.0
37.5°	12.7	15.0	16.5	18.4	16.7	17.2	17.8	18.1	17.2	16.7	18.8
35°	12.7	15.4	19.9	22.2	20.8	21.8	23.9	24.8	24.9	24.4	28.0
32.5°	13.0	16.3	24.6	26.6	28.1	29.4	30.7	33.0	35.0	37.3	43.2
30°	14.6	20.6	30.0	31.5	37.1	42.9	41.3	42.4	47.1	61.9	74.9
27.5°	18.2	26.6	34.6	39.4	48.5	60.8	64.6	57.1	70.6	93.6	115.7
25°	22.5	43.1	39.7	49.2	66.1	84.4	94.6	93.5	106.7	135.9	162.0
22.5°	31.6	64.7	62.6	59.8	86.5	113.4	130.9	161.3	204.1	203.9	213.4
20°	47.5	85.2	91.5	99.5	116.7	146.7	171.8	252.2	341.4	371.7	338.7
17.5°	66.1	107.9	124.5	151.3	189.5	208.9	223.2	361.0	511.6	571.4	590.1
15°	86.7	132.3	159.7	209.3	270.2	304.6	365.5	522.9	700.9	802.1	877.3
12.5°	108.8	158.0	196.6	271.9	356.7	402.3	537.1	764.9	942.2	1064.4	1255.6
10°	131.4	184.6	234.5	337.7	447.2	501.1	720.9	1014.2	1199.5	1340.8	1602.5
7.5°	156.5	211.0	272.2	404.8	539.6	600.3	910.7	1265.4	1450.1	1607.6	1903.4
5°	180.8	236.3	306.0	461.9	613.7	684.0	1081.8	1511.9	1693.7	1864.5	2175.1
2.5°	203.3	260.6	338.5	514.5	672.5	742.5	1164.2	1637.3	1835.5	2047.6	2380.3
0°	223.1	283.6	369.1	562.5	726.2	798.6	1229.4	1745.6	1950.9	2191.8	2530.0
-2.5°	227.3	292.7	380.0	561.8	719.1	797.2	1235.7	1750.3	1990.6	2245.3	2576.2
-5°	228.4	300.0	388.3	556.2	707.1	792.6	1222.9	1732.6	1997.2	2232.2	2530.3
-7.5°	226.8	305.3	394.1	545.1	683.9	766.3	1150.8	1625.3	1892.8	2097.5	2377.8
-10°	222.7	304.5	387.6	520.3	646.8	726.3	1052.1	1501.4	1784.1	1960.3	2204.5
-12.5°	215.6	298.8	377.4	493.7	609.3	685.5	937.2	1364.2	1673.9	1824.4	2021.9
-15°	207.6	292.1	365.3	466.3	572.6	644.5	806.7	1216.1	1568.9	1722.1	1869.0
-17.5°	199.3	284.4	351.6	438.8	537.9	603.7	665.8	1058.8	1436.1	1617.9	1759.8
-20°	191.1	276.1	336.3	412.1	505.3	572.2	623.1	899.4	1249.5	1502.5	1644.9



REPORT NUMBER: P701421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	183.5	267.1	321.9	391.3	476.5	547.1	598.7	743.4	1052.6	1376.9	1530.8
-25°	180.7	254.3	310.1	373.2	449.0	521.7	574.9	611.1	866.6	1187.6	1422.1
-27.5°	180.9	243.6	298.8	353.7	421.5	494.7	547.8	585.1	725.2	1001.5	1299.6
-30°	179.3	230.7	286.4	334.8	397.4	463.6	519.7	571.2	615.5	836.8	1099.8
-32.5°	172.5	217.1	271.4	319.9	373.2	433.6	496.7	551.8	599.9	671.9	910.2
-35°	163.3	205.9	255.0	304.0	348.7	406.8	468.9	529.2	580.3	624.9	733.6
-37.5°	155.0	193.1	238.2	286.4	330.3	380.2	439.0	499.4	554.3	607.4	656.5
-40°	145.5	178.9	222.1	267.5	311.3	354.9	408.0	465.0	522.9	584.1	643.3
-42.5°	134.5	167.1	205.0	247.8	289.3	332.0	375.6	429.2	487.4	552.2	613.8
-45°	120.1	154.1	187.0	225.6	264.9	306.4	348.4	391.7	447.9	507.6	572.1
-47.5°	104.5	139.0	171.0	201.9	239.0	277.6	318.5	360.9	405.3	459.8	517.7
-50°	88.1	120.3	152.8	180.7	211.7	247.4	284.9	327.1	369.5	412.2	461.5
-52.5°	72.2	100.2	130.7	159.7	186.5	216.3	251.1	289.4	329.8	370.8	408.9
-55°	55.3	80.8	107.1	135.4	162.5	187.9	216.0	250.3	286.5	324.5	359.4
-57.5°	41.7	60.9	84.4	109.1	135.2	160.9	185.5	210.3	241.6	275.2	305.1
-60°	30.0	44.0	61.9	83.6	106.1	130.3	154.9	178.1	200.9	223.0	249.8
-62.5°	19.7	30.6	43.2	58.4	78.3	98.8	120.7	143.0	165.2	184.3	201.9
-65°	17.2	19.8	28.3	39.7	51.0	69.5	88.0	105.9	125.3	142.9	159.8
-67.5°	14.7	17.0	19.3	23.3	33.6	45.0	57.0	73.3	88.7	101.4	113.9
-70°	13.0	14.4	16.3	18.4	20.5	25.2	35.2	45.7	56.0	65.7	76.5
-72.5°	11.5	12.8	14.0	15.2	17.0	19.2	21.5	23.8	29.6	37.4	44.8
-75°	10.2	11.1	12.2	13.2	14.4	15.7	17.2	19.1	20.9	22.6	24.0
-77.5°	9.1	9.7	10.5	11.3	12.2	13.2	14.3	15.4	16.6	17.9	19.2
-80°	7.9	8.3	8.8	9.3	10.1	10.9	11.6	12.4	13.1	13.9	14.8
-82.5°	6.8	7.1	7.4	7.6	8.1	8.6	9.3	9.9	10.1	10.3	10.6
-85°	5.8	5.9	6.1	6.3	6.5	6.8	7.1	7.4	7.5	7.5	7.5
-87.5°	5.3	5.3	5.3	5.4	5.4	5.5	5.5	5.5	5.7	5.8	5.8
-90°	4.4	4.2	3.9	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6



REPORT NUMBER: P701421 (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°	5.9	6.2	6.5	6.8	7.1	9.8	12.4	15.1	17.8	22.2	26.7
87.5°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	1.2	1.2
85°	3.6	3.3	3.0	2.7	2.4	2.4	2.3	2.3	2.3	2.1	1.8
82.5°	3.6	3.3	3.0	2.7	2.4	2.4	2.4	2.4	2.4	2.1	1.8
80°	3.6	3.4	3.3	3.2	3.2	3.0	2.9	2.7	2.4	2.4	2.4
77.5°	3.8	3.8	3.8	3.7	3.6	3.4	3.1	2.7	2.4	2.4	2.4
75°	4.6	4.7	4.8	4.7	4.3	4.0	3.8	3.6	3.4	3.2	3.0
72.5°	8.3	8.4	8.0	7.7	6.9	6.6	6.7	6.6	6.4	6.3	6.2
70°	15.2	15.5	14.9	13.4	11.4	10.0	9.3	8.5	7.5	7.1	7.0
67.5°	21.7	19.9	17.9	15.9	13.4	11.2	9.9	8.7	7.6	7.0	6.7
65°	23.7	19.4	16.2	13.7	11.7	10.1	8.7	7.4	6.1	5.3	5.0
62.5°	20.6	15.4	12.3	10.4	9.0	8.1	6.7	5.6	4.6	4.0	4.1
60°	16.8	11.4	8.4	7.4	6.5	5.9	5.2	4.5	4.0	3.6	3.7
57.5°	12.5	8.3	5.9	5.7	5.4	4.9	4.5	4.2	3.9	3.6	3.6
55°	8.7	6.8	5.9	5.6	5.3	4.9	4.6	4.3	3.9	3.6	3.6
52.5°	6.8	6.2	5.9	5.7	5.4	5.0	4.7	4.3	4.0	3.7	3.6
50°	6.2	6.0	6.0	5.8	5.5	5.1	4.7	4.6	4.5	4.3	4.4
47.5°	6.4	6.5	6.4	5.9	5.7	5.8	5.8	5.8	5.8	5.6	5.5
45°	7.3	7.3	7.2	7.1	6.8	7.5	7.9	8.0	9.3	8.8	7.4
42.5°	9.0	9.5	10.0	10.6	9.8	12.5	16.8	19.7	16.9	13.3	11.2
40°	13.7	14.1	17.1	18.6	22.1	26.0	23.7	19.8	17.7	18.9	19.5
37.5°	21.6	25.2	30.2	35.7	34.4	28.5	29.2	29.1	28.1	30.5	30.6
35°	35.3	44.2	48.4	49.7	47.2	45.4	47.1	48.7	45.0	50.8	52.6
32.5°	57.6	68.5	71.0	68.4	68.7	72.7	75.6	81.0	86.5	95.1	105.4
30°	85.0	96.7	102.3	97.2	98.3	107.7	113.8	126.1	145.8	168.3	196.3
27.5°	125.9	134.6	144.6	146.0	141.3	155.1	176.8	189.8	242.7	277.7	340.8
25°	179.9	193.4	202.2	217.1	225.0	241.7	283.3	323.3	404.6	483.8	618.0
22.5°	250.8	294.1	310.1	307.7	354.5	399.5	435.0	547.0	707.0	941.3	1205.0
20°	344.5	433.5	509.0	533.5	550.2	668.9	791.1	1138.7	1537.2	2202.2	2719.3
17.5°	620.9	650.2	816.2	951.3	1015.6	1267.1	1837.2	2712.2	4216.2	6274.1	7539.3
15°	1036.7	1120.2	1286.7	1572.5	1926.2	2592.9	3544.5	6334.2	10191.5	14406.7	18419.8
12.5°	1495.8	1670.0	1975.0	2395.9	2957.5	4859.6	7930.9	13179.4	20320.4	27623.4	36937.6
10°	1921.8	2272.2	2772.7	3483.2	4925.3	8174.7	13344.4	22266.1	34915.0	48104.3	61280.9
7.5°	2269.3	2770.7	3502.6	4566.9	7151.4	12368.3	20846.6	33991.5	50209.5	67178.2	85043.6
5°	2620.3	3255.0	4136.5	5424.3	8610.2	15608.2	26885.3	44881.0	65810.5	87191.5	109706.0
2.5°	2924.6	3667.0	4687.6	6192.2	9591.2	17361.8	30528.2	52687.6	77260.8	102846.7	131522.5
0°	3149.4	3905.3	4990.0	6555.2	10557.8	18726.9	32660.7	54995.1	79988.7	106403.5	135711.2
-2.5°	3118.1	3801.7	4784.9	6338.1	10221.9	18480.6	31328.7	53095.2	77556.8	102318.1	128456.7
-5°	2975.7	3570.2	4451.1	5841.4	9062.0	16034.2	28114.0	48174.1	70920.1	93547.9	116805.0
-7.5°	2758.5	3272.9	4045.0	5239.4	7724.5	13214.6	23253.5	38945.6	58501.1	77840.2	95780.9
-10°	2534.2	2953.2	3579.0	4522.8	6295.5	10131.7	17230.8	28961.8	45224.6	61150.9	74899.3
-12.5°	2323.4	2635.4	3080.5	3737.6	4830.2	7584.8	12945.0	21503.9	32366.9	44611.7	56516.5
-15°	2126.7	2357.4	2677.0	3207.0	4081.5	5715.4	8625.4	14329.1	21970.0	30517.2	38746.5
-17.5°	1946.5	2136.6	2386.1	2759.2	3301.1	4311.4	6349.9	9610.9	14224.2	20303.9	25986.8
-20°	1784.9	1957.2	2143.8	2423.3	2839.4	3434.1	4437.7	6462.1	9124.2	12956.2	16714.5



REPORT NUMBER: P701421 (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°	1658.4	1793.7	1938.7	2152.6	2499.4	2921.1	3420.0	4249.4	5714.7	7680.2	9906.2
-25°	1542.8	1643.0	1793.4	2023.6	2261.2	2542.5	2845.0	3177.6	3827.8	4459.9	5625.4
-27.5°	1432.9	1538.6	1695.3	1903.0	2119.8	2251.2	2444.6	2650.0	2961.1	3235.5	3699.8
-30°	1341.2	1452.2	1585.3	1760.5	1943.0	2066.7	2167.4	2316.1	2488.5	2660.7	2860.4
-32.5°	1168.9	1380.7	1472.9	1606.6	1770.9	1901.0	1990.1	2100.6	2192.8	2299.8	2408.3
-35°	980.4	1214.0	1404.8	1491.2	1604.8	1749.6	1876.2	1964.9	2036.3	2102.4	2164.6
-37.5°	767.1	1010.0	1218.3	1393.7	1497.7	1594.7	1729.0	1848.3	1934.2	1979.6	2020.1
-40°	686.0	756.1	976.2	1177.3	1333.8	1485.7	1590.4	1707.4	1806.6	1869.3	1916.3
-42.5°	672.1	708.1	736.6	889.0	1078.9	1241.6	1380.2	1516.7	1637.9	1727.9	1800.5
-45°	634.6	677.5	717.4	745.6	774.8	918.7	1073.4	1224.0	1360.9	1483.4	1590.4
-47.5°	574.0	625.2	667.9	708.8	740.5	765.6	794.6	842.6	970.8	1096.6	1216.1
-50°	508.2	554.5	600.8	644.8	679.3	709.6	737.5	761.4	785.4	810.6	834.5
-52.5°	443.0	484.4	525.6	564.3	601.0	635.7	667.9	691.5	711.7	729.6	743.0
-55°	391.8	422.6	452.6	485.3	518.0	548.6	576.6	602.2	625.4	646.2	662.2
-57.5°	335.2	365.5	394.2	418.6	442.5	465.5	489.3	512.0	532.0	549.4	563.5
-60°	276.1	301.9	327.5	351.6	374.5	396.2	415.6	433.6	449.7	463.6	474.0
-62.5°	219.1	239.4	262.4	283.4	301.8	319.5	339.5	357.6	373.6	387.0	396.8
-65°	175.9	190.5	207.1	223.3	239.3	256.4	273.9	289.4	303.0	314.2	323.0
-67.5°	128.2	142.6	158.6	173.2	186.7	201.2	217.9	233.3	247.3	258.6	267.8
-70°	86.4	96.6	109.3	122.9	136.1	150.0	165.2	179.9	193.9	204.7	213.4
-72.5°	51.9	58.5	65.3	74.2	83.6	94.9	107.7	120.6	133.3	142.6	149.8
-75°	25.4	28.1	33.7	38.8	43.5	49.6	56.1	62.2	67.9	72.0	75.5
-77.5°	20.6	21.9	23.1	24.3	25.5	28.2	31.4	34.7	38.1	40.8	43.3
-80°	15.8	16.6	17.4	18.4	19.3	21.4	23.6	25.8	28.1	29.8	31.3
-82.5°	11.0	11.4	11.8	12.2	12.5	14.0	15.5	17.0	18.4	19.8	21.1
-85°	7.4	7.5	7.7	7.8	7.8	9.3	10.9	12.4	13.9	15.2	16.5
-87.5°	5.9	5.9	6.0	6.0	6.0	7.3	8.5	9.8	10.9	12.1	13.3
-90°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	31.1	35.6	32.6	29.7	32.6	35.6	31.1	26.7	22.2	17.8	15.1
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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7
77.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7
75°	2.7	2.4	3.0	3.6	3.0	2.4	2.7	3.0	3.2	3.4	3.6
72.5°	6.0	5.8	5.9	5.9	5.9	5.8	6.0	6.2	6.3	6.4	6.6
70°	7.0	7.1	7.1	7.1	7.1	7.1	7.0	7.0	7.1	7.5	8.5
67.5°	6.3	6.0	5.9	5.9	5.9	6.0	6.3	6.7	7.0	7.6	8.7
65°	4.8	4.8	4.7	4.7	4.7	4.8	4.8	5.0	5.3	6.1	7.4
62.5°	4.4	4.6	4.7	4.7	4.7	4.6	4.4	4.1	4.0	4.6	5.6
60°	3.7	3.7	3.6	3.6	3.6	3.7	3.7	3.7	3.6	4.0	4.5
57.5°	3.6	3.6	4.0	4.7	4.0	3.6	3.6	3.6	3.6	3.9	4.2
55°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.9	4.3
52.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7	4.0	4.3
50°	4.5	4.6	4.7	4.7	4.7	4.6	4.5	4.4	4.3	4.5	4.6
47.5°	5.7	5.8	5.5	4.7	5.5	5.8	5.7	5.5	5.6	5.8	5.8
45°	7.4	7.2	7.1	7.1	7.1	7.2	7.4	7.4	8.8	9.3	8.0
42.5°	11.6	11.7	11.8	11.9	11.8	11.7	11.6	11.2	13.3	16.9	19.7
40°	20.5	21.0	21.2	21.4	21.2	21.0	20.5	19.5	18.9	17.7	19.8
37.5°	31.0	31.6	31.7	32.0	31.7	31.6	31.0	30.6	30.5	28.1	29.1
35°	52.4	52.2	50.4	51.0	50.4	52.2	52.4	52.6	50.8	45.0	48.7
32.5°	112.5	113.3	107.6	98.5	107.6	113.3	112.5	105.4	95.1	86.5	81.0
30°	217.4	236.0	248.5	249.2	248.5	236.0	217.4	196.3	168.3	145.8	126.1
27.5°	382.9	411.9	424.2	430.8	424.2	411.9	382.9	340.8	277.7	242.7	189.8
25°	723.5	789.9	825.7	798.6	825.7	789.9	723.5	618.0	483.8	404.6	323.3
22.5°	1455.8	1582.8	1691.0	1696.9	1691.0	1582.8	1455.8	1205.0	941.3	707.0	547.0
20°	3438.1	3409.3	3682.7	3545.8	3682.7	3409.3	3438.1	2719.3	2202.2	1537.2	1138.7
17.5°	9752.1	10830.8	11426.9	10611.2	11426.9	10830.8	9752.1	7539.3	6274.1	4216.2	2712.2
15°	22419.6	25110.6	26931.4	26698.9	26931.4	25110.6	22419.6	18419.8	14406.7	10191.5	6334.2
12.5°	42154.7	46576.7	50346.0	50187.9	50346.0	46576.7	42154.7	36937.6	27623.4	20320.4	13179.4
10°	73020.2	80729.8	87914.8	88663.3	87914.8	80729.8	73020.2	61280.9	48104.3	34915.0	22266.1
7.5°	101457.0	118818.1	129166.9	131822.0	129166.9	118818.1	101457.0	85043.6	67178.2	50209.5	33991.5
5°	137064.7	157169.7	168046.1	168336.4	168046.1	157169.7	137064.7	109706.0	87191.5	65810.5	44881.0
2.5°	163424.3	186071.2	199426.0	209758.9	199426.0	186071.2	163424.3	131522.5	102846.7	77260.8	52687.6
0°	171263.9	190794.1	212586.2	224702.1	212586.2	190794.1	171263.9	135711.2	106403.5	79988.7	54995.1
-2.5°	160759.3	181207.2	192025.0	201880.0	192025.0	181207.2	160759.3	128456.7	102318.1	77556.8	53095.2
-5°	140803.3	162460.8	172854.5	175073.1	172854.5	162460.8	140803.3	116805.0	93547.9	70920.1	48174.1
-7.5°	112037.4	127280.8	137803.2	141930.0	137803.2	127280.8	112037.4	95780.9	77840.2	58501.1	38945.6
-10°	87684.6	97527.7	102793.5	106294.9	102793.5	97527.7	87684.6	74899.3	61150.9	45224.6	28961.8
-12.5°	66111.7	73227.2	77356.9	79154.5	77356.9	73227.2	66111.7	56516.5	44611.7	32366.9	21503.9
-15°	47057.9	52688.3	55484.7	57265.2	55484.7	52688.3	47057.9	38746.5	30517.2	21970.0	14329.1
-17.5°	32240.9	36768.1	39348.6	41026.8	39348.6	36768.1	32240.9	25986.8	20303.9	14224.2	9610.9
-20°	20628.5	23324.2	25309.8	25888.4	25309.8	23324.2	20628.5	16714.5	12956.2	9124.2	6462.1



REPORT NUMBER: P701421 (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°	12052.6	13639.8	14639.7	14866.6	14639.7	13639.8	12052.6	9906.2	7680.2	5714.7	4249.4
-25°	6553.3	7244.8	7769.4	7947.1	7769.4	7244.8	6553.3	5625.4	4459.9	3827.8	3177.6
-27.5°	4024.4	4291.7	4485.5	4585.3	4485.5	4291.7	4024.4	3699.8	3235.5	2961.1	2650.0
-30°	3027.0	3148.9	3221.7	3270.5	3221.7	3148.9	3027.0	2860.4	2660.7	2488.5	2316.1
-32.5°	2485.2	2539.8	2572.7	2595.2	2572.7	2539.8	2485.2	2408.3	2299.8	2192.8	2100.6
-35°	2213.7	2249.1	2273.5	2285.5	2273.5	2249.1	2213.7	2164.6	2102.4	2036.3	1964.9
-37.5°	2050.1	2072.5	2088.7	2098.0	2088.7	2072.5	2050.1	2020.1	1979.6	1934.2	1848.3
-40°	1938.6	1954.3	1967.2	1981.7	1967.2	1954.3	1938.6	1916.3	1869.3	1806.6	1707.4
-42.5°	1837.0	1860.2	1871.9	1874.9	1871.9	1860.2	1837.0	1800.5	1727.9	1637.9	1516.7
-45°	1672.4	1737.0	1776.8	1789.5	1776.8	1737.0	1672.4	1590.4	1483.4	1360.9	1224.0
-47.5°	1326.0	1422.7	1495.7	1540.3	1495.7	1422.7	1326.0	1216.1	1096.6	970.8	842.6
-50°	856.8	877.3	885.3	880.5	885.3	877.3	856.8	834.5	810.6	785.4	761.4
-52.5°	753.6	761.9	768.7	773.7	768.7	761.9	753.6	743.0	729.6	711.7	691.5
-55°	674.7	684.0	692.7	700.1	692.7	684.0	674.7	662.2	646.2	625.4	602.2
-57.5°	575.4	584.7	588.2	587.4	588.2	584.7	575.4	563.5	549.4	532.0	512.0
-60°	482.6	489.2	494.2	497.2	494.2	489.2	482.6	474.0	463.6	449.7	433.6
-62.5°	404.6	410.4	416.9	422.5	416.9	410.4	404.6	396.8	387.0	373.6	357.6
-65°	330.5	336.6	341.5	345.3	341.5	336.6	330.5	323.0	314.2	303.0	289.4
-67.5°	276.0	283.3	288.8	293.1	288.8	283.3	276.0	267.8	258.6	247.3	233.3
-70°	221.5	228.7	233.0	236.1	233.0	228.7	221.5	213.4	204.7	193.9	179.9
-72.5°	156.1	161.3	163.8	164.9	163.8	161.3	156.1	149.8	142.6	133.3	120.6
-75°	78.5	81.0	83.4	85.4	83.4	81.0	78.5	75.5	72.0	67.9	62.2
-77.5°	45.9	48.3	49.8	51.0	49.8	48.3	45.9	43.3	40.8	38.1	34.7
-80°	32.8	34.2	35.5	36.8	35.5	34.2	32.8	31.3	29.8	28.1	25.8
-82.5°	22.4	23.6	24.3	24.9	24.3	23.6	22.4	21.1	19.8	18.4	17.0
-85°	17.7	19.0	19.6	20.2	19.6	19.0	17.7	16.5	15.2	13.9	12.4
-87.5°	14.4	15.5	16.0	16.6	16.0	15.5	14.4	13.3	12.1	10.9	9.8
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	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°	12.4	9.8	7.1	6.8	6.5	6.2	5.9	5.6	5.3	5.0	4.7
87.5°	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.6	3.6	3.6	3.6
85°	2.3	2.4	2.4	2.7	3.0	3.3	3.6	3.6	3.6	3.6	3.6
82.5°	2.4	2.4	2.4	2.7	3.0	3.3	3.6	3.7	3.8	3.8	3.8
80°	2.9	3.0	3.2	3.2	3.3	3.4	3.6	3.9	4.2	4.4	4.5
77.5°	3.1	3.4	3.6	3.7	3.8	3.8	3.8	3.9	4.2	4.5	4.7
75°	3.8	4.0	4.3	4.7	4.8	4.7	4.6	4.5	4.5	4.6	4.7
72.5°	6.7	6.6	6.9	7.7	8.0	8.4	8.3	7.7	6.8	5.6	4.7
70°	9.3	10.0	11.4	13.4	14.9	15.5	15.2	14.1	12.1	10.6	8.5
67.5°	9.9	11.2	13.4	15.9	17.9	19.9	21.7	23.2	22.5	20.3	14.7
65°	8.7	10.1	11.7	13.7	16.2	19.4	23.7	26.4	27.8	28.2	23.3
62.5°	6.7	8.1	9.0	10.4	12.3	15.4	20.6	25.3	29.5	30.7	26.2
60°	5.2	5.9	6.5	7.4	8.4	11.4	16.8	22.4	28.3	28.5	26.4
57.5°	4.5	4.9	5.4	5.7	5.9	8.3	12.5	18.2	24.3	24.3	23.5
55°	4.6	4.9	5.3	5.6	5.9	6.8	8.7	12.4	17.4	18.7	18.6
52.5°	4.7	5.0	5.4	5.7	5.9	6.2	6.8	8.9	10.8	12.8	13.7
50°	4.7	5.1	5.5	5.8	6.0	6.0	6.2	6.8	7.9	9.1	10.0
47.5°	5.8	5.8	5.7	5.9	6.4	6.5	6.4	6.2	7.0	7.2	8.1
45°	7.9	7.5	6.8	7.1	7.2	7.3	7.3	7.6	7.4	7.4	7.1
42.5°	16.8	12.5	9.8	10.6	10.0	9.5	9.0	9.8	9.4	8.5	9.1
40°	23.7	26.0	22.1	18.6	17.1	14.1	13.7	13.0	12.5	11.0	12.7
37.5°	29.2	28.5	34.4	35.7	30.2	25.2	21.6	18.8	16.7	17.2	18.1
35°	47.1	45.4	47.2	49.7	48.4	44.2	35.3	28.0	24.4	24.9	24.8
32.5°	75.6	72.7	68.7	68.4	71.0	68.5	57.6	43.2	37.3	35.0	33.0
30°	113.8	107.7	98.3	97.2	102.3	96.7	85.0	74.9	61.9	47.1	42.4
27.5°	176.8	155.1	141.3	146.0	144.6	134.6	125.9	115.7	93.6	70.6	57.1
25°	283.3	241.7	225.0	217.1	202.2	193.4	179.9	162.0	135.9	106.7	93.5
22.5°	435.0	399.5	354.5	307.7	310.1	294.1	250.8	213.4	203.9	204.1	161.3
20°	791.1	668.9	550.2	533.5	509.0	433.5	344.5	338.7	371.7	341.4	252.2
17.5°	1837.2	1267.1	1015.6	951.3	816.2	650.2	620.9	590.1	571.4	511.6	361.0
15°	3544.5	2592.9	1926.2	1572.5	1286.7	1120.2	1036.7	877.3	802.1	700.9	522.9
12.5°	7930.9	4859.6	2957.5	2395.9	1975.0	1670.0	1495.8	1255.6	1064.4	942.2	764.9
10°	13344.4	8174.7	4925.3	3483.2	2772.7	2272.2	1921.8	1602.5	1340.8	1199.5	1014.2
7.5°	20846.6	12368.3	7151.4	4566.9	3502.6	2770.7	2269.3	1903.4	1607.6	1450.1	1265.4
5°	26885.3	15608.2	8610.2	5424.3	4136.5	3255.0	2620.3	2175.1	1864.5	1693.7	1511.9
2.5°	30528.2	17361.8	9591.2	6192.2	4687.6	3667.0	2924.6	2380.3	2047.6	1835.5	1637.3
0°	32660.7	18726.9	10557.8	6555.2	4990.0	3905.3	3149.4	2530.0	2191.8	1950.9	1745.6
-2.5°	31328.7	18480.6	10221.9	6338.1	4784.9	3801.7	3118.1	2576.2	2245.3	1990.6	1750.3
-5°	28114.0	16034.2	9062.0	5841.4	4451.1	3570.2	2975.7	2530.3	2232.2	1997.2	1732.6
-7.5°	23253.5	13214.6	7724.5	5239.4	4045.0	3272.9	2758.5	2377.8	2097.5	1892.8	1625.3
-10°	17230.8	10131.7	6295.5	4522.8	3579.0	2953.2	2534.2	2204.5	1960.3	1784.1	1501.4
-12.5°	12945.0	7584.8	4830.2	3737.6	3080.5	2635.4	2323.4	2021.9	1824.4	1673.9	1364.2
-15°	8625.4	5715.4	4081.5	3207.0	2677.0	2357.4	2126.7	1869.0	1722.1	1568.9	1216.1
-17.5°	6349.9	4311.4	3301.1	2759.2	2386.1	2136.6	1946.5	1759.8	1617.9	1436.1	1058.8
-20°	4437.7	3434.1	2839.4	2423.3	2143.8	1957.2	1784.9	1644.9	1502.5	1249.5	899.4



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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°	3420.0	2921.1	2499.4	2152.6	1938.7	1793.7	1658.4	1530.8	1376.9	1052.6	743.4
-25°	2845.0	2542.5	2261.2	2023.6	1793.4	1643.0	1542.8	1422.1	1187.6	866.6	611.1
-27.5°	2444.6	2251.2	2119.8	1903.0	1695.3	1538.6	1432.9	1299.6	1001.5	725.2	585.1
-30°	2167.4	2066.7	1943.0	1760.5	1585.3	1452.2	1341.2	1099.8	836.8	615.5	571.2
-32.5°	1990.1	1901.0	1770.9	1606.6	1472.9	1380.7	1168.9	910.2	671.9	599.9	551.8
-35°	1876.2	1749.6	1604.8	1491.2	1404.8	1214.0	980.4	733.6	624.9	580.3	529.2
-37.5°	1729.0	1594.7	1497.7	1393.7	1218.3	1010.0	767.1	656.5	607.4	554.3	499.4
-40°	1590.4	1485.7	1333.8	1177.3	976.2	756.1	686.0	643.3	584.1	522.9	465.0
-42.5°	1380.2	1241.6	1078.9	889.0	736.6	708.1	672.1	613.8	552.2	487.4	429.2
-45°	1073.4	918.7	774.8	745.6	717.4	677.5	634.6	572.1	507.6	447.9	391.7
-47.5°	794.6	765.6	740.5	708.8	667.9	625.2	574.0	517.7	459.8	405.3	360.9
-50°	737.5	709.6	679.3	644.8	600.8	554.5	508.2	461.5	412.2	369.5	327.1
-52.5°	667.9	635.7	601.0	564.3	525.6	484.4	443.0	408.9	370.8	329.8	289.4
-55°	576.6	548.6	518.0	485.3	452.6	422.6	391.8	359.4	324.5	286.5	250.3
-57.5°	489.3	465.5	442.5	418.6	394.2	365.5	335.2	305.1	275.2	241.6	210.3
-60°	415.6	396.2	374.5	351.6	327.5	301.9	276.1	249.8	223.0	200.9	178.1
-62.5°	339.5	319.5	301.8	283.4	262.4	239.4	219.1	201.9	184.3	165.2	143.0
-65°	273.9	256.4	239.3	223.3	207.1	190.5	175.9	159.8	142.9	125.3	105.9
-67.5°	217.9	201.2	186.7	173.2	158.6	142.6	128.2	113.9	101.4	88.7	73.3
-70°	165.2	150.0	136.1	122.9	109.3	96.6	86.4	76.5	65.7	56.0	45.7
-72.5°	107.7	94.9	83.6	74.2	65.3	58.5	51.9	44.8	37.4	29.6	23.8
-75°	56.1	49.6	43.5	38.8	33.7	28.1	25.4	24.0	22.6	20.9	19.1
-77.5°	31.4	28.2	25.5	24.3	23.1	21.9	20.6	19.2	17.9	16.6	15.4
-80°	23.6	21.4	19.3	18.4	17.4	16.6	15.8	14.8	13.9	13.1	12.4
-82.5°	15.5	14.0	12.5	12.2	11.8	11.4	11.0	10.6	10.3	10.1	9.9
-85°	10.9	9.3	7.8	7.8	7.7	7.5	7.4	7.5	7.5	7.5	7.4
-87.5°	8.5	7.3	6.0	6.0	6.0	5.9	5.9	5.8	5.8	5.7	5.5
-90°	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.6	3.6	3.6	3.6



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	3.8	4.0	4.1	4.2	4.3	4.4	4.6	4.7	4.7	4.7	4.7
85°	3.9	4.2	4.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	3.9	4.2	4.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	4.5	4.5	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	4.7	4.7	4.7	4.7	4.8	4.7	4.7	4.7	4.7	4.7	4.7
72.5°	4.7	4.7	4.7	4.8	5.0	5.0	4.9	4.7	4.7	4.7	4.7
70°	6.5	5.0	4.7	4.8	5.1	5.4	5.4	5.1	4.7	4.7	4.7
67.5°	9.6	7.3	5.7	4.8	4.8	5.2	5.7	5.6	5.1	4.7	4.7
65°	16.8	11.2	7.0	5.8	5.0	4.8	5.3	5.8	5.6	5.1	4.7
62.5°	21.6	16.5	11.2	7.4	5.5	4.9	4.8	5.5	5.9	5.5	4.9
60°	23.8	19.0	15.2	11.1	7.2	5.0	4.8	5.2	5.7	5.8	5.3
57.5°	21.7	20.2	17.3	14.1	10.3	6.4	4.9	5.1	5.5	5.8	5.6
55°	18.3	17.8	18.2	15.8	12.6	8.8	5.7	5.2	5.5	5.8	5.9
52.5°	13.6	15.6	17.3	16.8	13.9	10.9	7.5	5.3	5.5	5.8	5.9
50°	10.1	13.0	16.2	17.0	15.0	12.0	9.1	6.4	5.6	5.8	6.0
47.5°	9.3	11.8	14.4	17.1	16.1	13.2	10.2	7.4	5.7	5.9	6.1
45°	9.6	11.6	13.6	16.0	17.1	14.0	11.2	8.1	6.3	6.0	6.2
42.5°	10.6	12.4	13.9	15.3	16.4	14.7	12.1	8.9	6.7	6.2	6.3
40°	13.7	14.0	14.7	16.1	15.9	15.1	12.5	9.7	6.9	6.4	6.5
37.5°	17.8	17.2	16.7	18.4	16.5	15.0	12.7	10.4	7.7	6.9	6.7
35°	23.9	21.8	20.8	22.2	19.9	15.4	12.7	10.8	8.9	7.5	6.9
32.5°	30.7	29.4	28.1	26.6	24.6	16.3	13.0	11.9	10.2	8.0	7.1
30°	41.3	42.9	37.1	31.5	30.0	20.6	14.6	13.2	11.5	8.6	7.4
27.5°	64.6	60.8	48.5	39.4	34.6	26.6	18.2	14.7	12.9	9.4	7.9
25°	94.6	84.4	66.1	49.2	39.7	43.1	22.5	16.5	14.2	10.5	8.4
22.5°	130.9	113.4	86.5	59.8	62.6	64.7	31.6	19.9	15.6	11.6	8.8
20°	171.8	146.7	116.7	99.5	91.5	85.2	47.5	23.7	17.1	12.6	9.3
17.5°	223.2	208.9	189.5	151.3	124.5	107.9	66.1	27.7	18.7	13.7	9.8
15°	365.5	304.6	270.2	209.3	159.7	132.3	86.7	31.9	20.3	14.7	10.3
12.5°	537.1	402.3	356.7	271.9	196.6	158.0	108.8	36.2	22.0	15.9	10.9
10°	720.9	501.1	447.2	337.7	234.5	184.6	131.4	41.5	24.8	17.1	11.6
7.5°	910.7	600.3	539.6	404.8	272.2	211.0	156.5	48.9	27.9	18.3	12.3
5°	1081.8	684.0	613.7	461.9	306.0	236.3	180.8	56.2	31.0	19.4	13.0
2.5°	1164.2	742.5	672.5	514.5	338.5	260.6	203.3	63.3	34.0	20.5	13.6
0°	1229.4	798.6	726.2	562.5	369.1	283.6	223.1	70.0	36.8	21.4	14.2
-2.5°	1235.7	797.2	719.1	561.8	380.0	292.7	227.3	80.2	45.2	27.1	17.0
-5°	1222.9	792.6	707.1	556.2	388.3	300.0	228.4	89.6	53.3	32.6	19.6
-7.5°	1150.8	766.3	683.9	545.1	394.1	305.3	226.8	98.2	60.8	37.7	21.9
-10°	1052.1	726.3	646.8	520.3	387.6	304.5	222.7	105.8	67.6	42.3	24.1
-12.5°	937.2	685.5	609.3	493.7	377.4	298.8	215.6	112.8	73.7	46.3	25.8
-15°	806.7	644.5	572.6	466.3	365.3	292.1	207.6	118.9	79.3	49.9	27.2
-17.5°	665.8	603.7	537.9	438.8	351.6	284.4	199.3	123.7	84.1	53.3	28.7
-20°	623.1	572.2	505.3	412.1	336.3	276.1	191.1	127.3	88.1	55.9	30.2



REPORT NUMBER: P701421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	598.7	547.1	476.5	391.3	321.9	267.1	183.5	129.6	91.1	57.5	30.9
-25°	574.9	521.7	449.0	373.2	310.1	254.3	180.7	130.5	93.2	58.1	31.0
-27.5°	547.8	494.7	421.5	353.7	298.8	243.6	180.9	132.3	94.2	57.7	30.3
-30°	519.7	463.6	397.4	334.8	286.4	230.7	179.3	132.9	93.5	56.8	28.8
-32.5°	496.7	433.6	373.2	319.9	271.4	217.1	172.5	132.3	91.4	55.0	27.7
-35°	468.9	406.8	348.7	304.0	255.0	205.9	163.3	130.4	87.8	52.0	26.3
-37.5°	439.0	380.2	330.3	286.4	238.2	193.1	155.0	121.7	82.7	47.8	24.2
-40°	408.0	354.9	311.3	267.5	222.1	178.9	145.5	110.9	76.8	42.5	21.4
-42.5°	375.6	332.0	289.3	247.8	205.0	167.1	134.5	99.0	67.4	37.8	18.0
-45°	348.4	306.4	264.9	225.6	187.0	154.1	120.1	86.3	57.0	33.0	15.3
-47.5°	318.5	277.6	239.0	201.9	171.0	139.0	104.5	73.7	45.8	27.2	14.6
-50°	284.9	247.4	211.7	180.7	152.8	120.3	88.1	60.3	37.8	20.1	13.7
-52.5°	251.1	216.3	186.5	159.7	130.7	100.2	72.2	46.5	29.5	16.9	12.7
-55°	216.0	187.9	162.5	135.4	107.1	80.8	55.3	36.7	20.7	15.4	11.6
-57.5°	185.5	160.9	135.2	109.1	84.4	60.9	41.7	26.5	17.3	13.8	10.8
-60°	154.9	130.3	106.1	83.6	61.9	44.0	30.0	18.8	15.4	12.3	10.0
-62.5°	120.7	98.8	78.3	58.4	43.2	30.6	19.7	16.6	13.5	11.3	9.1
-65°	88.0	69.5	51.0	39.7	28.3	19.8	17.2	14.4	12.2	10.2	8.3
-67.5°	57.0	45.0	33.6	23.3	19.3	17.0	14.7	12.8	11.0	9.2	7.7
-70°	35.2	25.2	20.5	18.4	16.3	14.4	13.0	11.5	9.8	8.5	7.1
-72.5°	21.5	19.2	17.0	15.2	14.0	12.8	11.5	10.3	9.0	7.8	6.5
-75°	17.2	15.7	14.4	13.2	12.2	11.1	10.2	9.3	8.2	7.0	6.3
-77.5°	14.3	13.2	12.2	11.3	10.5	9.7	9.1	8.4	7.4	6.7	6.1
-80°	11.6	10.9	10.1	9.3	8.8	8.3	7.9	7.5	6.8	6.3	6.0
-82.5°	9.3	8.6	8.1	7.6	7.4	7.1	6.8	6.5	6.2	5.9	5.8
-85°	7.1	6.8	6.5	6.3	6.1	5.9	5.8	5.7	5.6	5.5	5.4
-87.5°	5.5	5.5	5.4	5.4	5.3	5.3	5.3	5.2	5.2	5.1	5.1
-90°	3.6	3.6	3.6	3.6	3.9	4.2	4.4	4.7	4.7	4.7	4.7



REPORT NUMBER: P701421 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
72.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
70°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
67.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7
65°	4.8	4.7	4.7	4.7	4.7	4.7	4.7
62.5°	4.8	4.8	4.7	4.7	4.7	4.7	4.7
60°	4.9	4.9	4.7	4.7	4.7	4.7	4.7
57.5°	5.2	5.1	4.8	4.7	4.7	4.7	4.7
55°	5.4	5.2	4.9	4.7	4.7	4.7	4.7
52.5°	5.6	5.3	5.1	4.7	4.8	4.7	4.7
50°	5.8	5.5	5.2	4.7	4.8	4.7	4.7
47.5°	5.9	5.6	5.3	4.7	4.8	4.7	4.7
45°	6.0	5.7	5.5	4.8	4.8	4.7	4.7
42.5°	6.1	5.8	5.6	4.9	4.9	4.7	4.7
40°	6.3	5.8	5.7	5.1	4.9	4.7	4.7
37.5°	6.4	5.9	5.8	5.2	5.0	4.7	4.7
35°	6.6	6.0	5.8	5.3	5.0	4.7	4.7
32.5°	6.8	6.1	5.9	5.4	5.1	4.7	4.7
30°	6.9	6.2	5.9	5.5	5.1	4.7	4.7
27.5°	7.1	6.4	5.9	5.6	5.2	4.7	4.7
25°	7.4	6.5	5.9	5.7	5.3	4.7	4.7
22.5°	7.6	6.6	5.9	5.7	5.3	4.7	4.7
20°	7.8	6.7	5.9	5.8	5.4	4.7	4.7
17.5°	8.0	6.8	5.9	5.8	5.5	4.7	4.7
15°	8.0	6.9	5.9	5.9	5.5	4.7	4.7
12.5°	8.1	7.0	5.9	5.9	5.6	4.7	4.7
10°	8.2	7.0	5.9	5.9	5.7	4.7	4.7
7.5°	8.2	7.0	5.9	5.9	5.7	4.7	4.7
5°	8.3	7.1	5.9	5.9	5.8	4.7	4.7
2.5°	8.3	7.1	5.9	5.9	5.8	4.7	4.7
0°	8.3	7.1	5.9	5.9	5.9	4.7	4.7
-2.5°	9.4	7.4	6.0	5.9	5.9	4.7	4.7
-5°	10.5	7.6	6.1	5.9	5.9	4.7	4.7
-7.5°	11.4	7.8	6.2	5.9	5.9	4.7	4.7
-10°	12.3	8.0	6.3	5.9	5.9	4.7	4.7
-12.5°	13.1	8.2	6.4	5.9	5.8	4.7	4.7
-15°	13.7	8.3	6.4	5.9	5.8	4.7	4.7
-17.5°	14.1	8.4	6.5	5.9	5.8	4.7	4.7
-20°	14.5	8.5	6.5	5.9	5.8	4.7	4.7



REPORT NUMBER: P701421 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320L-57-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.9	8.5	6.5	5.9	5.7	4.7	4.7
-25°	15.0	8.6	6.5	5.9	5.7	4.7	4.7
-27.5°	14.7	8.7	6.5	5.9	5.6	4.7	4.7
-30°	13.9	8.7	6.5	5.9	5.6	4.7	4.7
-32.5°	12.7	8.6	6.5	5.9	5.5	4.7	4.7
-35°	12.2	8.4	6.5	5.9	5.5	4.7	4.7
-37.5°	12.0	8.3	6.4	5.9	5.4	4.7	4.7
-40°	11.7	8.2	6.3	5.9	5.3	4.7	4.7
-42.5°	11.3	8.1	6.3	5.9	5.3	4.7	4.7
-45°	10.8	8.0	6.3	5.9	5.2	4.7	4.7
-47.5°	10.2	7.7	6.3	5.9	5.1	4.7	4.7
-50°	9.8	7.5	6.3	5.8	5.0	4.7	4.7
-52.5°	9.4	7.2	6.2	5.7	5.0	4.7	4.7
-55°	8.9	7.0	6.1	5.6	4.9	4.7	4.7
-57.5°	8.4	6.8	6.0	5.5	4.8	4.7	4.7
-60°	7.8	6.6	5.9	5.4	4.7	4.7	4.7
-62.5°	7.4	6.3	5.8	5.3	4.7	4.7	4.7
-65°	7.0	6.1	5.7	5.2	4.7	4.7	4.7
-67.5°	6.5	5.9	5.6	5.1	4.7	4.7	4.7
-70°	6.0	5.8	5.5	5.0	4.7	4.7	4.7
-72.5°	5.9	5.7	5.4	4.9	4.7	4.7	4.7
-75°	5.9	5.6	5.3	4.9	4.7	4.7	4.7
-77.5°	5.9	5.6	5.2	4.9	4.7	4.7	4.7
-80°	5.9	5.5	5.1	4.8	4.7	4.7	4.7
-82.5°	5.6	5.3	5.0	4.8	4.7	4.7	4.7
-85°	5.3	5.1	4.9	4.8	4.7	4.7	4.7
-87.5°	5.0	4.9	4.8	4.7	4.7	4.7	4.7
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7

(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

