

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: P701715 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-5S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701715 (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-08-0680R-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

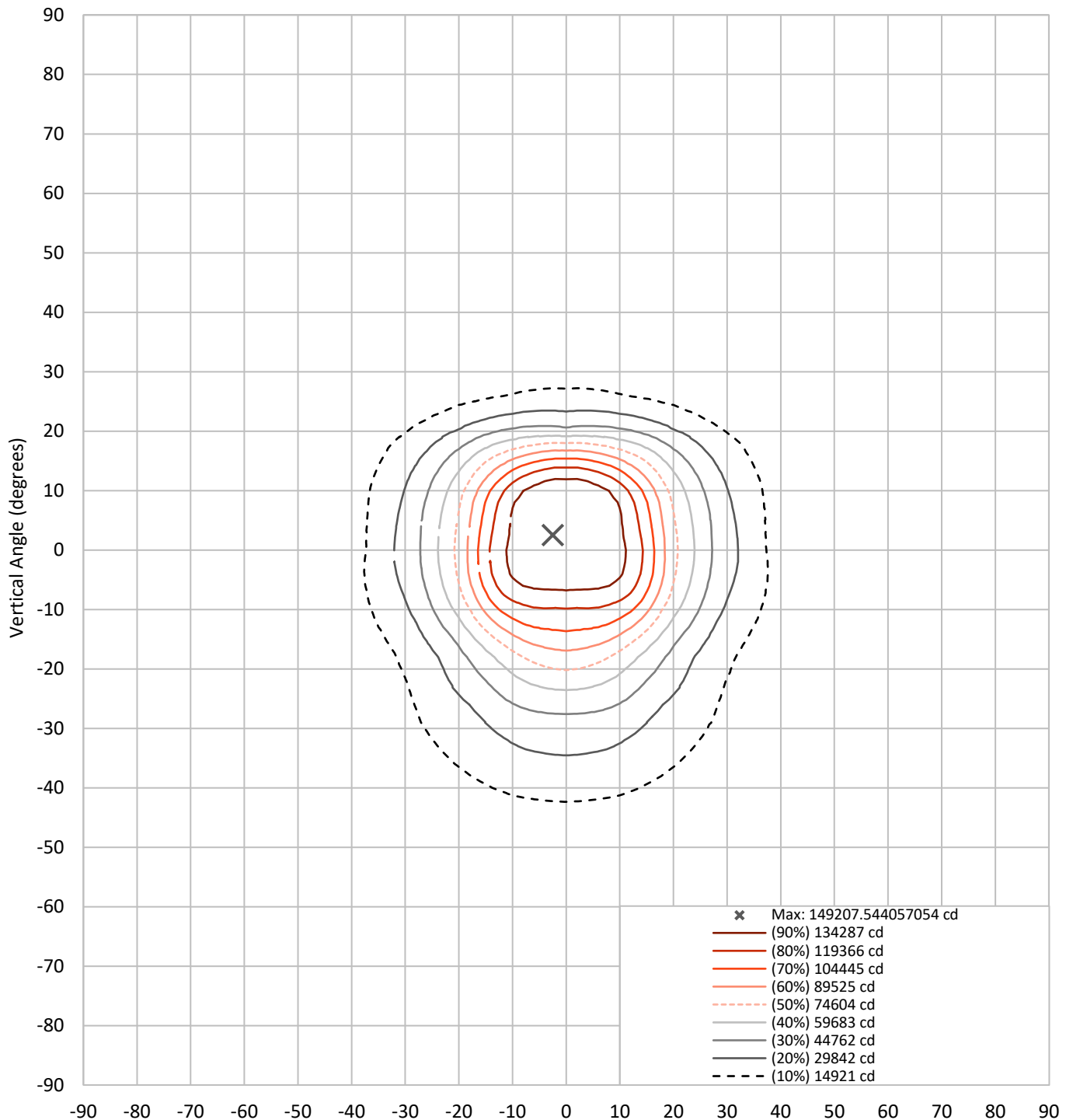
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	79659.6 lumens	Max Intensity:	149207.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	114.2 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:	43892.9 lumens	Field Lumens:	74081.9 lumens
Beam Efficiency:	55.1%	Field Efficiency:	93.0%

Input Watts (W): 697.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





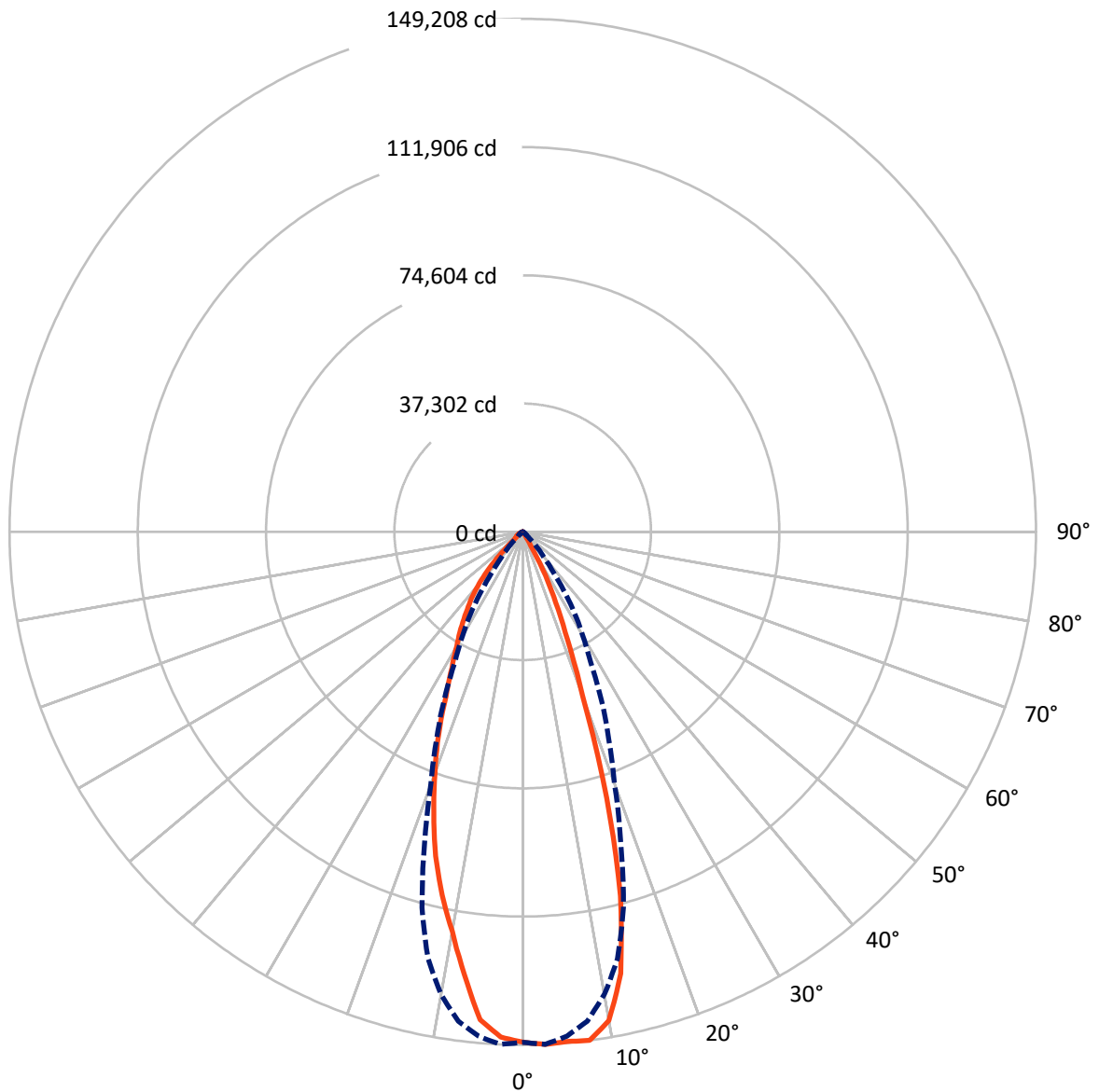
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Lumen Table

90																			
80	0.1	0.3		0.6		0.6		0.4		0.6		0.6		0.3		0.1			
70	0.1	0.1	0.1	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.1	0.1	0.1			
60		0.1	0.3	0.8	0.9	0.4	0.3	0.3	0.3	0.3	0.4	0.9	0.8	0.3	0.1				
50	0.2	0.1	0.3	0.6	0.8	1.1	1.2	1.2	1.2	1.2	1.1	0.8	0.6	0.3	0.1	0.2			
40		0.2	0.8	2.4	5.2	11.3	26.5	37.9	37.9	26.5	11.3	5.2	2.4	0.8	0.2				
30	0.2	0.4	4.3	15.9	86.9	266.7	536.6	722.0	722.0	536.6	266.7	86.9	15.9	4.3	0.4	0.2			
20		1.2	10.4	57.4	357.9	1019.0	2112.4	3042.2	3042.2	2112.4	1019.0	357.9	57.4	10.4	1.2				
10	0.3	2.0	14.0	90.6	514.5	1465.9	3167.3	4379.8	4379.8	3167.3	1465.9	514.5	90.6	14.0	2.0	0.3			
0		2.4	15.0	94.7	518.2	1429.1	3121.3	4137.1	4137.1	3121.3	1429.1	518.2	94.7	15.0	2.4				
-10	0.4	2.9	14.5	63.6	340.7	942.7	2005.2	2852.2	2852.2	2005.2	942.7	340.7	63.6	14.5	2.9	0.4			
-20		2.8	13.7	35.4	200.8	577.3	1122.1	1587.0	1587.0	1122.1	577.3	200.8	35.4	13.7	2.8				
-30	0.4	2.2	11.1	26.3	80.7	318.3	621.0	849.8	849.8	621.0	318.3	80.7	26.3	11.1	2.2	0.4			
-40		1.4	7.2	20.6	39.7	74.0	175.4	272.7	272.7	175.4	74.0	39.7	20.6	7.2	1.4				
-50	0.2	0.7	3.6	11.2	24.3	39.7	54.1	62.6	62.6	54.1	39.7	24.3	11.2	3.6	0.7	0.2			
-60		0.3	1.3	3.8	8.3	14.2	21.0	24.7	24.7	21.0	14.2	8.3	3.8	1.3	0.3				
-70																			
-80	0.2	0.8		2.8		6.7		8.9		6.7		2.8		0.8		0.2			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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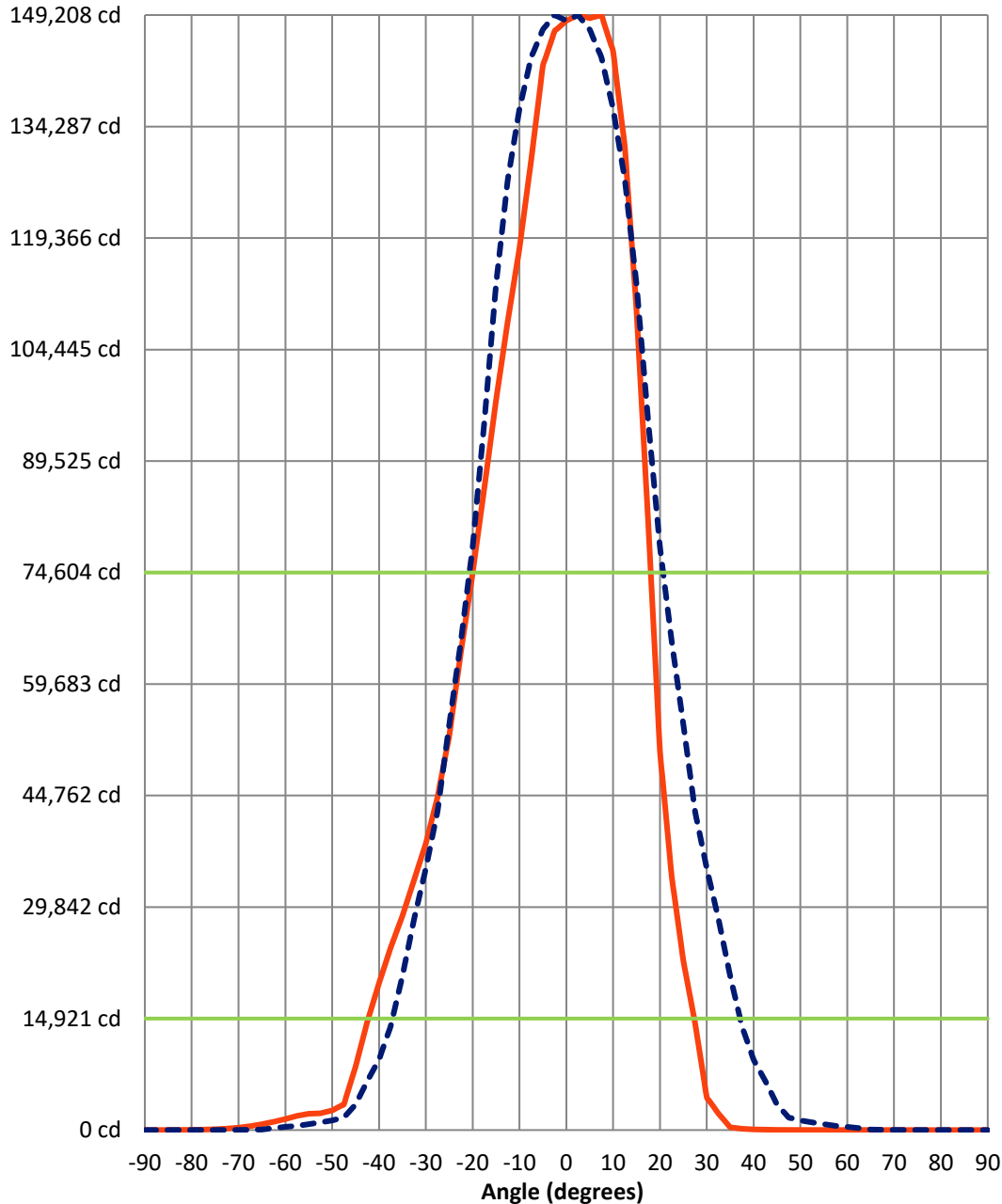
Luminous Intensity Polar Plot



— 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: 43892.9
 Efficiency: 55.1%

Field:
 H Angle: 74.2°
 V Angle: 69.6°
 Lumens: 74081.9
 Efficiency: 93.0%

Spill:
 Lumens: 5577.7
 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°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	5.9	5.4	4.8	4.3
85°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	5.9	5.4	4.8	4.3
82.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	5.9	5.4	5.1	4.9
80°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.0	5.8	5.7	5.8
77.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.2	6.1	6.3	6.4
75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.4	6.4	6.4
72.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
70°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
67.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
65°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
62.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
60°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
57.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.4	6.4	6.4	6.6
55°	6.4	6.4	6.4	6.4	6.4	6.4	6.6	6.5	6.4	6.5	6.9
52.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.8	6.6	6.4	7.0	7.4
50°	6.4	6.4	6.4	6.4	6.4	6.6	7.0	6.7	6.6	7.5	8.5
47.5°	6.4	6.4	6.4	6.4	6.4	6.8	7.2	6.8	7.1	8.1	9.6
45°	6.4	6.4	6.4	6.4	6.4	7.1	7.3	6.9	7.8	8.9	10.6
42.5°	6.4	6.4	6.4	6.4	6.4	7.3	7.4	7.3	8.4	9.7	11.3
40°	6.4	6.4	6.4	6.4	6.5	7.6	7.5	7.8	9.1	10.3	11.9
37.5°	6.4	6.4	6.4	6.5	6.7	7.9	7.6	8.4	9.7	11.0	12.5
35°	6.4	6.4	6.4	6.5	6.9	8.0	7.7	8.9	10.3	11.8	13.3
32.5°	6.4	6.4	6.4	6.6	7.1	8.1	7.9	9.4	10.9	12.6	15.0
30°	6.4	6.4	6.4	6.7	7.4	8.2	8.3	9.9	11.5	13.5	17.1
27.5°	6.4	6.4	6.4	6.8	7.6	8.3	8.7	10.4	12.1	14.4	19.4
25°	6.4	6.4	6.4	6.9	7.8	8.4	9.1	10.8	12.8	16.0	22.2
22.5°	6.4	6.4	6.4	7.1	8.0	8.5	9.5	11.2	13.5	18.0	27.2
20°	6.4	6.4	6.4	7.2	8.1	8.5	9.8	11.6	14.3	20.2	32.6
17.5°	6.4	6.4	6.4	7.4	8.3	8.5	10.1	12.0	15.0	22.4	38.3
15°	6.4	6.4	6.4	7.5	8.3	8.5	10.2	12.3	15.7	24.6	44.2
12.5°	6.4	6.4	6.4	7.7	8.4	8.5	10.4	12.4	16.4	26.9	50.1
10°	6.4	6.4	6.4	7.9	8.5	8.5	10.5	12.6	17.1	29.4	55.9
7.5°	6.4	6.4	6.4	8.0	8.5	8.5	10.6	12.7	17.7	31.9	61.3
5°	6.4	6.4	6.4	8.2	8.5	8.5	10.6	12.7	18.3	34.3	66.4
2.5°	6.4	6.4	6.4	8.4	8.5	8.5	10.7	12.8	18.8	36.5	70.9
0°	6.4	6.4	6.4	8.5	8.5	8.5	10.7	12.8	19.2	38.4	74.7
-2.5°	6.4	6.4	6.5	8.5	8.5	8.7	11.2	15.1	25.7	50.1	93.2
-5°	6.4	6.4	6.6	8.5	8.5	9.0	11.8	17.3	31.9	61.2	110.5
-7.5°	6.4	6.4	6.7	8.5	8.5	9.2	12.2	19.4	37.7	71.4	126.3
-10°	6.4	6.4	6.8	8.4	8.5	9.4	12.6	21.2	42.7	80.5	140.3
-12.5°	6.4	6.4	6.8	8.4	8.5	9.6	13.0	22.6	46.8	88.4	153.7
-15°	6.4	6.4	6.9	8.4	8.5	9.7	13.2	23.7	50.7	96.0	165.2
-17.5°	6.4	6.4	7.0	8.3	8.5	9.8	13.4	25.5	54.4	101.9	173.5
-20°	6.4	6.4	7.0	8.3	8.5	9.8	14.0	27.6	57.0	105.7	178.4



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 CATALOG NUMBER: EPH-LS-08-0680R-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°	6.4	6.4	7.1	8.3	8.5	9.8	15.1	29.1	58.2	107.4	179.6
-25°	6.4	6.4	7.1	8.3	8.5	10.0	15.9	29.9	58.1	106.7	176.8
-27.5°	6.4	6.4	7.2	8.3	8.5	10.2	16.3	30.0	56.6	104.7	175.6
-30°	6.4	6.4	7.2	8.3	8.5	10.2	16.3	29.3	55.6	102.8	171.4
-32.5°	6.4	6.4	7.2	8.3	8.6	10.1	15.9	29.1	54.7	98.8	163.9
-35°	6.4	6.4	7.2	8.3	8.7	9.9	15.6	28.6	52.7	92.6	153.0
-37.5°	6.4	6.4	7.2	8.4	8.8	9.6	15.3	27.5	49.6	84.4	139.0
-40°	6.4	6.4	7.1	8.5	8.8	9.7	14.7	25.8	45.2	78.3	125.3
-42.5°	6.4	6.4	7.1	8.5	8.9	9.8	13.9	23.4	41.7	71.0	109.9
-45°	6.4	6.4	7.0	8.5	8.9	9.8	12.8	21.1	38.2	62.7	93.9
-47.5°	6.4	6.4	6.9	8.5	8.9	9.8	11.4	19.4	33.7	53.6	83.6
-50°	6.4	6.4	6.9	8.4	8.8	9.7	11.1	17.4	28.3	47.2	72.3
-52.5°	6.4	6.4	6.8	8.2	8.8	9.6	11.0	15.0	24.4	40.1	60.4
-55°	6.4	6.4	6.7	8.0	8.7	9.5	10.8	12.5	21.1	32.4	51.4
-57.5°	6.4	6.4	6.5	7.8	8.6	9.3	10.5	12.2	17.5	27.1	41.5
-60°	6.4	6.4	6.4	7.6	8.5	9.1	10.2	11.8	14.2	22.4	32.5
-62.5°	6.4	6.4	6.4	7.4	8.3	8.9	9.9	11.3	13.4	17.3	26.4
-65°	6.4	6.4	6.4	7.2	8.1	8.6	9.5	10.7	12.5	15.1	19.9
-67.5°	6.4	6.4	6.4	7.1	7.9	8.4	9.0	10.2	11.5	13.7	16.5
-70°	6.4	6.4	6.4	6.9	7.8	8.3	8.6	9.6	10.8	12.1	14.4
-72.5°	6.4	6.4	6.4	6.8	7.6	8.2	8.5	9.0	10.2	11.3	12.4
-75°	6.4	6.4	6.4	6.8	7.4	8.1	8.5	8.8	9.5	10.6	11.6
-77.5°	6.4	6.4	6.4	6.7	7.3	8.0	8.4	8.7	9.2	9.9	10.8
-80°	6.4	6.4	6.4	6.7	7.1	7.7	8.5	8.6	8.9	9.3	10.0
-82.5°	6.4	6.4	6.4	6.6	6.9	7.4	8.0	8.3	8.5	8.7	9.1
-85°	6.4	6.4	6.4	6.5	6.8	7.1	7.5	7.7	7.8	8.0	8.2
-87.5°	6.4	6.4	6.4	6.5	6.6	6.7	6.9	7.0	7.1	7.2	7.3
-90°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	5.9	5.4	4.8	4.3



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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°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
82.5°	4.9	4.8	4.6	4.3	4.3	4.3	4.3	4.5	4.6	4.6	4.5
80°	5.7	5.4	4.9	4.4	4.5	4.8	5.3	5.9	5.9	5.5	5.2
77.5°	6.0	5.5	5.0	4.4	4.7	5.4	6.0	6.3	6.3	6.2	6.3
75°	6.0	5.5	5.3	5.3	5.7	6.2	6.4	6.8	7.1	7.1	6.9
72.5°	6.2	6.0	6.0	6.4	6.5	6.8	7.3	8.1	8.5	8.4	8.3
70°	6.3	6.4	6.4	6.4	6.5	7.3	8.3	9.4	10.2	10.6	11.6
67.5°	6.4	6.4	6.4	6.5	7.3	8.5	9.6	12.2	15.3	16.6	17.7
65°	6.4	6.4	6.7	7.4	8.4	10.1	12.8	16.5	22.8	25.8	27.1
62.5°	6.4	6.6	7.1	8.2	9.6	11.8	17.2	24.2	32.2	36.5	35.7
60°	6.5	6.7	8.0	9.7	11.4	16.1	23.2	31.3	41.5	48.8	43.8
57.5°	6.6	7.6	9.7	11.7	15.3	20.0	27.2	37.0	47.4	58.4	50.4
55°	7.4	9.3	11.4	14.2	18.1	21.7	29.0	38.1	49.6	56.6	49.7
52.5°	8.9	10.9	12.8	16.1	19.9	22.8	27.1	35.7	42.4	48.2	44.3
50°	10.4	11.7	13.8	17.7	21.0	22.8	22.5	29.0	34.7	37.2	37.6
47.5°	11.3	12.6	15.1	19.0	21.6	22.1	20.1	23.4	27.6	30.3	29.5
45°	12.0	14.0	16.8	20.0	22.1	21.3	21.0	19.8	25.1	27.4	27.8
42.5°	12.7	15.6	18.9	21.4	22.3	23.4	23.9	24.0	26.7	32.0	34.8
40°	14.0	17.2	21.4	23.6	24.1	27.7	31.5	34.4	36.3	43.5	48.7
37.5°	15.4	19.8	24.9	28.7	29.3	35.8	41.7	60.5	64.4	58.8	77.3
35°	16.6	22.8	31.5	40.5	45.7	47.4	73.4	98.9	109.9	107.6	123.2
32.5°	18.8	26.1	40.1	60.6	80.8	86.0	113.7	157.0	195.7	211.2	201.7
30°	22.5	34.1	53.8	86.0	131.9	182.3	190.1	238.2	316.2	380.0	475.3
27.5°	28.0	44.4	78.2	132.8	206.2	309.3	334.6	376.3	492.5	652.4	959.4
25°	34.4	70.7	106.0	195.2	330.9	451.9	499.5	578.2	713.0	1229.9	1936.8
22.5°	48.5	105.8	163.3	267.0	476.4	601.4	687.5	819.5	1139.9	1965.3	3341.3
20°	73.8	154.6	235.6	357.6	630.3	759.1	874.7	1075.6	1790.9	3325.7	5562.1
17.5°	103.6	207.2	310.5	467.0	713.4	889.4	1068.4	1338.2	2474.1	4912.2	7883.7
15°	136.9	262.8	380.9	561.6	786.1	975.3	1225.3	1847.1	3558.7	6723.7	10016.1
12.5°	172.4	320.3	446.7	642.4	853.5	1056.1	1353.8	2282.0	4689.2	8369.3	12206.9
10°	209.1	378.3	508.2	710.4	915.4	1130.9	1470.2	2679.3	5486.3	8986.7	13256.4
7.5°	231.8	414.6	557.9	767.1	971.2	1199.0	1573.5	3030.3	6050.4	9298.0	13688.8
5°	248.9	423.8	562.9	783.7	1006.9	1253.3	1654.0	3324.6	6400.9	9342.1	13822.2
2.5°	262.0	427.6	563.9	788.8	1028.4	1290.1	1681.5	3422.0	6561.6	9427.6	13914.6
0°	270.9	426.6	561.0	787.0	1043.0	1318.1	1691.4	3440.4	6565.0	9482.8	13949.1
-2.5°	285.4	441.9	589.5	820.1	1059.5	1324.0	1705.2	3537.2	6883.5	10079.8	15001.7
-5°	295.6	453.3	613.2	845.8	1069.3	1321.1	1702.9	3542.4	6923.5	10218.3	15044.4
-7.5°	302.0	460.9	631.1	861.1	1060.8	1287.9	1644.7	3256.2	6314.3	9591.7	14022.2
-10°	305.8	470.5	643.8	852.2	1029.1	1233.4	1562.1	2902.1	5585.8	8785.5	12787.0
-12.5°	312.9	481.8	652.1	841.8	999.6	1173.3	1464.9	2490.3	4758.5	7800.2	11355.5
-15°	315.0	489.2	656.3	831.7	975.0	1108.7	1353.6	2029.0	3929.3	6935.2	9938.5
-17.5°	312.2	492.7	656.6	823.4	957.4	1040.5	1239.7	1630.2	3311.1	6095.3	8866.7
-20°	304.3	492.4	653.0	818.3	946.6	1018.1	1202.3	1543.3	2779.9	5111.6	7853.9



REPORT NUMBER: P701715 (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°	291.3	488.3	646.7	809.7	945.5	1038.7	1170.4	1433.8	2113.4	3975.5	6804.3
-25°	282.7	469.9	636.8	787.4	939.1	1060.9	1136.2	1316.8	1696.1	3107.8	5389.6
-27.5°	278.6	445.2	607.2	755.4	922.6	1073.7	1142.6	1274.3	1542.6	2154.7	3899.4
-30°	269.1	403.8	571.6	715.0	884.1	1048.2	1167.9	1230.2	1403.6	1760.3	2786.6
-32.5°	250.3	361.3	524.6	671.2	830.6	1010.5	1172.4	1233.9	1345.9	1551.3	1935.9
-35°	228.5	334.2	473.2	620.6	766.5	948.8	1120.1	1251.2	1300.4	1449.0	1717.5
-37.5°	209.4	302.4	420.9	563.8	705.1	872.9	1061.4	1213.9	1315.0	1380.2	1578.7
-40°	187.2	266.1	377.6	506.0	643.0	796.1	970.7	1148.7	1292.2	1415.6	1498.8
-42.5°	163.0	238.1	333.0	448.0	580.3	722.2	873.3	1049.5	1233.2	1408.9	1537.4
-45°	144.0	206.9	286.0	394.1	513.7	644.8	786.2	935.1	1127.0	1325.2	1504.7
-47.5°	123.1	175.5	247.8	335.3	446.1	566.2	694.6	835.3	993.5	1184.2	1390.3
-50°	102.9	150.1	205.8	283.9	376.6	485.6	603.0	726.0	865.9	1024.5	1205.8
-52.5°	89.1	122.6	172.3	232.0	311.6	404.2	508.0	616.5	735.9	866.2	1015.1
-55°	74.2	103.1	139.2	188.4	248.4	327.5	412.1	508.4	607.6	720.9	835.5
-57.5°	61.2	84.9	112.9	149.1	197.1	251.6	325.1	401.1	489.2	580.9	672.4
-60°	48.8	67.7	90.8	118.3	150.9	195.8	242.5	306.0	376.4	445.5	521.8
-62.5°	36.7	52.1	70.3	91.9	118.3	144.5	181.6	225.1	271.3	328.1	384.1
-65°	29.0	37.7	51.5	68.8	87.7	110.0	133.1	156.6	193.6	230.6	265.6
-67.5°	20.9	28.7	36.7	46.5	62.4	78.2	94.8	115.3	135.9	155.2	177.9
-70°	17.2	20.3	26.6	33.8	40.9	49.3	63.1	77.5	92.1	106.6	122.8
-72.5°	14.4	16.9	19.7	22.7	28.4	34.0	39.5	44.7	54.0	65.9	77.3
-75°	12.5	13.6	15.7	18.2	20.6	22.9	25.5	30.0	34.6	39.2	43.8
-77.5°	11.4	12.2	13.1	14.2	15.5	17.6	19.5	21.4	23.2	25.0	26.7
-80°	10.3	10.7	11.2	11.9	12.7	13.6	14.7	15.9	17.1	18.5	20.0
-82.5°	9.3	9.6	9.8	10.1	10.3	10.5	10.8	11.5	12.1	12.9	13.7
-85°	8.3	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.5	9.7	9.8
-87.5°	7.4	7.4	7.5	7.6	7.7	7.7	7.8	7.9	7.9	8.0	8.1
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.4	6.4	6.4	6.4	6.4	5.9	5.4	4.8	4.3	4.3	4.3
87.5°	4.3	4.3	4.3	4.3	4.3	3.8	3.2	2.7	2.1	2.1	2.1
85°	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.2	3.7	3.2
82.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.8	3.2
80°	4.9	4.9	4.8	4.6	4.3	4.3	4.3	4.3	4.3	3.8	3.2
77.5°	6.4	6.0	5.5	4.9	4.4	4.3	4.3	4.3	4.3	3.8	3.3
75°	6.6	6.2	5.9	5.6	5.4	5.2	5.0	4.8	4.4	4.2	4.2
72.5°	8.2	8.0	7.9	8.1	8.1	7.9	7.5	6.9	6.1	6.0	6.2
70°	12.3	12.7	12.8	12.7	12.0	11.0	10.1	9.2	8.3	8.1	8.2
67.5°	18.9	19.2	18.6	17.2	14.9	13.0	11.9	10.6	9.2	8.8	9.3
65°	26.8	23.7	21.1	18.9	16.8	15.0	13.7	12.3	10.8	10.6	11.9
62.5°	32.0	25.2	21.3	19.4	18.1	16.9	14.9	13.2	11.6	10.8	11.0
60°	36.4	26.7	20.2	18.5	16.8	15.1	13.2	11.5	10.2	9.2	8.9
57.5°	38.6	27.4	18.5	16.1	13.8	11.6	10.6	10.1	9.4	8.5	9.0
55°	37.1	25.4	15.7	13.9	13.2	12.8	12.4	11.3	10.5	9.9	10.3
52.5°	31.8	23.1	16.8	14.5	13.9	13.3	12.7	12.5	12.3	12.1	12.2
50°	28.3	21.6	17.2	14.7	14.7	14.7	14.7	14.9	15.2	15.4	15.5
47.5°	25.3	20.3	19.3	16.9	17.3	18.6	18.9	19.2	20.3	20.2	19.6
45°	25.2	27.1	26.6	25.1	24.1	33.6	34.2	28.7	34.0	33.3	29.2
42.5°	37.0	39.7	40.3	49.4	66.8	65.9	64.2	72.7	66.9	58.5	52.5
40°	57.3	57.3	68.0	83.4	82.9	79.7	90.3	91.6	90.9	95.8	94.2
37.5°	91.2	92.3	97.2	106.5	122.8	115.1	138.1	153.0	155.4	176.0	191.9
35°	151.7	177.8	154.6	209.9	246.2	238.4	272.0	332.1	275.5	421.8	448.2
32.5°	284.4	342.9	387.9	451.1	532.9	653.7	662.7	1090.3	1175.9	1428.4	1773.5
30°	489.6	659.3	985.5	1070.7	1202.2	1702.7	2294.4	3034.8	3723.1	4214.8	4861.4
27.5°	1178.7	1459.2	2161.9	2925.3	2880.8	3815.9	5932.3	6583.4	8370.5	8965.1	10473.5
25°	2636.5	3308.2	5009.0	6524.8	7297.3	9761.0	12553.3	13812.6	16166.8	17418.5	19265.2
22.5°	5156.0	6998.5	9254.4	11582.1	14482.8	18255.2	21707.0	24226.6	27396.4	29941.2	31447.4
20°	8345.3	10894.8	14368.9	17984.8	22471.4	27427.3	31030.1	36134.9	40902.3	45429.4	47471.4
17.5°	11382.3	15642.0	19845.0	24209.3	30094.8	36577.5	42449.5	49915.3	57820.3	63899.4	68855.0
15°	13955.5	18695.4	24759.7	29975.6	36712.0	44796.1	53525.7	63070.4	74438.9	83079.4	92384.5
12.5°	16330.9	21083.7	27663.5	33892.9	42963.5	52093.9	62281.1	74140.6	87282.3	100064.0	112053.9
10°	17860.3	23338.0	30388.7	37956.9	47248.4	57850.6	69439.0	82724.7	99565.9	114178.4	127686.3
7.5°	18785.5	25393.7	32694.8	40764.7	50711.4	61621.6	73825.8	89488.0	107182.8	122446.2	134581.3
5°	19695.5	27078.0	34183.3	42118.3	52965.5	64067.5	75971.4	91682.2	109932.8	125210.7	136108.0
2.5°	20608.0	28237.5	35001.0	42657.0	54245.3	65449.8	78053.2	94790.9	113135.8	127167.1	136633.3
0°	21442.0	28651.2	35295.1	42792.2	54802.6	66053.6	78885.1	95412.8	115877.9	129372.7	138537.8
-2.5°	21744.4	28628.7	34977.0	42410.3	54337.3	65227.2	77997.8	95809.6	114907.7	128639.3	137945.6
-5°	20824.5	27071.9	33249.9	40779.1	51866.2	63106.8	75963.2	93625.1	111754.0	125969.7	134844.1
-7.5°	19094.9	24739.6	30816.2	38277.1	48350.9	59213.2	70916.6	86343.9	104191.5	117434.9	124424.4
-10°	17284.5	22126.1	27866.5	34772.0	43649.2	53964.7	63665.8	76792.7	93288.5	105029.5	112182.5
-12.5°	15214.9	19143.8	24442.2	30477.9	38401.9	47395.0	56268.0	67371.0	79969.0	92045.0	99491.8
-15°	13042.2	16204.1	20807.8	26599.5	32857.4	39584.0	47789.2	56783.1	66828.4	76616.7	85100.1
-17.5°	11303.1	13743.1	17967.7	23172.7	27944.4	33401.5	41398.8	48710.2	56062.0	63956.2	71023.5
-20°	10184.7	12475.0	15887.5	20233.4	24967.0	30467.9	36647.9	43042.8	49876.6	55937.7	62166.7



REPORT NUMBER: P701715 (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°	9292.0	11646.0	14279.0	17900.9	22939.4	27993.1	32747.2	37641.0	43310.6	49501.7	54719.8
-25°	8132.3	10601.0	13102.5	16547.4	20789.4	25256.3	28756.4	32240.8	37356.4	42621.5	46935.3
-27.5°	6519.7	9310.8	12231.4	15035.3	18651.4	21828.3	24904.0	28061.9	32522.5	36966.9	40190.0
-30°	4652.3	7876.2	10909.3	13774.4	16257.1	18758.8	21331.2	24563.8	28292.6	31868.6	34608.5
-32.5°	3404.2	5819.9	9100.1	12024.3	14453.9	16548.0	18523.6	21400.0	24317.3	27184.7	29803.4
-35°	2172.2	3937.9	6493.9	9471.6	12324.0	14547.3	16695.3	18779.5	20972.0	23415.8	25682.0
-37.5°	1870.3	2345.1	3915.4	6136.9	8870.7	11775.9	13887.7	15962.6	18200.7	20036.8	21941.9
-40°	1695.1	1943.1	2340.9	3128.9	5193.1	7242.7	9615.4	11834.4	13973.7	15858.4	17599.3
-42.5°	1618.5	1767.0	1927.6	2226.6	2559.6	3542.4	5272.2	6887.9	8792.0	10683.7	12336.0
-45°	1657.3	1708.3	1790.0	1937.0	2073.3	2350.2	2641.7	2946.2	4247.3	5611.5	6780.6
-47.5°	1551.3	1699.9	1779.1	1843.0	1913.1	2033.5	2158.2	2327.8	2621.1	2918.3	3153.9
-50°	1375.2	1533.5	1672.5	1809.7	1876.0	1924.1	1975.6	2074.9	2211.0	2351.0	2454.0
-52.5°	1156.2	1309.4	1462.4	1601.2	1714.5	1823.9	1932.1	2013.4	2084.6	2154.9	2188.8
-55°	960.2	1088.0	1211.4	1336.5	1459.8	1576.9	1696.7	1818.6	1931.9	2036.6	2088.4
-57.5°	776.1	883.3	989.3	1084.7	1183.1	1283.2	1394.1	1512.6	1629.8	1739.3	1795.9
-60°	601.4	683.7	770.4	848.2	921.3	989.8	1085.7	1182.8	1275.8	1355.2	1397.3
-62.5°	439.7	503.5	569.4	631.2	689.8	747.9	820.1	890.4	958.0	1012.5	1044.3
-65°	304.8	352.3	396.5	439.2	480.7	530.3	585.0	637.6	687.5	724.8	745.9
-67.5°	208.0	236.2	261.0	284.0	313.8	348.7	387.0	423.1	456.7	481.1	497.2
-70°	139.0	154.3	167.9	183.6	202.4	221.5	242.2	262.7	282.6	296.3	304.8
-72.5°	88.2	97.9	107.2	118.0	128.1	138.2	148.3	157.6	166.2	174.1	181.4
-75°	48.4	53.5	60.8	67.7	73.9	80.8	87.3	93.2	98.3	101.7	104.3
-77.5°	29.5	32.9	35.9	38.6	41.0	44.0	47.4	50.8	54.3	56.6	58.4
-80°	21.4	22.5	23.6	24.7	25.8	26.8	27.5	28.2	28.7	29.6	30.4
-82.5°	14.5	15.2	15.8	16.3	16.8	17.7	18.7	19.6	20.4	21.2	21.9
-85°	9.9	9.9	9.8	9.8	9.9	10.5	11.1	11.7	12.4	12.5	12.6
-87.5°	8.1	7.7	7.3	6.9	6.4	6.4	6.3	6.3	6.3	6.4	6.4
-90°	4.3	4.3	4.3	4.3	4.3	3.8	3.2	2.7	2.1	2.1	2.1



REPORT NUMBER: P701715 (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°
90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.8
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.7
85°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.2	3.7	4.2	4.1
82.5°	2.7	2.1	2.1	2.1	2.1	2.1	2.7	3.2	3.8	4.3	4.3
80°	2.7	2.1	2.1	2.1	2.1	2.1	2.7	3.2	3.8	4.3	4.3
77.5°	2.7	2.1	2.1	2.1	2.1	2.1	2.7	3.3	3.8	4.3	4.3
75°	4.2	4.2	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.4	4.8
72.5°	6.3	6.3	6.4	6.4	6.4	6.3	6.3	6.2	6.0	6.1	6.9
70°	8.4	8.4	8.5	8.5	8.5	8.4	8.4	8.2	8.1	8.3	9.2
67.5°	9.9	10.5	10.7	10.7	10.7	10.5	9.9	9.3	8.8	9.2	10.6
65°	13.2	14.5	13.9	12.8	13.9	14.5	13.2	11.9	10.6	10.8	12.3
62.5°	11.0	10.9	10.7	10.7	10.7	10.9	11.0	11.0	10.8	11.6	13.2
60°	8.7	8.6	8.5	8.5	8.5	8.6	8.7	8.9	9.2	10.2	11.5
57.5°	9.7	10.4	10.7	10.7	10.7	10.4	9.7	9.0	8.5	9.4	10.1
55°	10.6	10.7	10.7	10.7	10.7	10.7	10.6	10.3	9.9	10.5	11.3
52.5°	12.5	12.7	12.8	12.8	12.8	12.7	12.5	12.2	12.1	12.3	12.5
50°	15.4	15.1	14.9	14.9	14.9	15.1	15.4	15.5	15.4	15.2	14.9
47.5°	19.5	19.2	19.1	19.2	19.1	19.2	19.5	19.6	20.2	20.3	19.2
45°	29.1	28.2	27.5	27.7	27.5	28.2	29.1	29.2	33.3	34.0	28.7
42.5°	55.7	57.7	60.0	64.0	60.0	57.7	55.7	52.5	58.5	66.9	72.7
40°	95.1	92.4	88.8	89.6	88.8	92.4	95.1	94.2	95.8	90.9	91.6
37.5°	197.8	190.4	176.1	166.4	176.1	190.4	197.8	191.9	176.0	155.4	153.0
35°	406.7	397.0	373.6	366.9	373.6	397.0	406.7	448.2	421.8	275.5	332.1
32.5°	1914.0	2133.4	2202.3	2205.4	2202.3	2133.4	1914.0	1773.5	1428.4	1175.9	1090.3
30°	4911.7	4858.3	4384.5	3896.8	4384.5	4858.3	4911.7	4861.4	4214.8	3723.1	3034.8
27.5°	11821.0	13265.1	14308.2	13970.4	14308.2	13265.1	11821.0	10473.5	8965.1	8370.5	6583.4
25°	21290.8	22312.8	22648.2	22150.1	22648.2	22312.8	21290.8	19265.2	17418.5	16166.8	13812.6
22.5°	33426.1	34039.9	33986.4	32865.7	33986.4	34039.9	33426.1	31447.4	29941.2	27396.4	24226.6
20°	50337.0	50239.1	50741.9	48461.5	50741.9	50239.1	50337.0	47471.4	45429.4	40902.3	36134.9
17.5°	74255.0	78183.4	81174.4	80887.8	81174.4	78183.4	74255.0	68855.0	63899.4	57820.3	49915.3
15°	99662.4	105598.1	109655.3	109918.6	109655.3	105598.1	99662.4	92384.5	83079.4	74438.9	63070.4
12.5°	121748.3	128096.2	131541.9	131018.3	131541.9	128096.2	121748.3	112053.9	100064.0	87282.3	74140.6
10°	135817.7	140703.6	144330.0	145230.8	144330.0	140703.6	135817.7	127686.3	114178.4	99565.9	82724.7
7.5°	141459.4	146032.2	149193.3	149145.8	149193.3	146032.2	141459.4	134581.3	122446.2	107182.8	89488.0
5°	142503.3	147005.7	148794.9	149134.0	148794.9	147005.7	142503.3	136108.0	125210.7	109932.8	91682.2
2.5°	143530.1	147262.8	149207.5	148468.6	149207.5	147262.8	143530.1	136633.3	127167.1	113135.8	94790.9
0°	143931.9	146924.3	148444.0	147973.7	148444.0	146924.3	143931.9	138537.8	129372.7	115877.9	95412.8
-2.5°	143794.3	145762.8	147049.1	146604.4	147049.1	145762.8	143794.3	137945.6	128639.3	114907.7	95809.6
-5°	140114.5	141809.7	142409.1	142737.5	142409.1	141809.7	140114.5	134844.1	125969.7	111754.0	93625.1
-7.5°	128289.4	130517.5	129801.1	130881.7	129801.1	130517.5	128289.4	124424.4	117434.9	104191.5	86343.9
-10°	116591.2	118759.4	118015.5	118712.6	118015.5	118759.4	116591.2	112182.5	105029.5	93288.5	76792.7
-12.5°	105560.0	108287.4	108246.9	109236.1	108246.9	108287.4	105560.0	99491.8	92045.0	79969.0	67371.0
-15°	92297.8	95771.4	97663.1	98876.7	97663.1	95771.4	92297.8	85100.1	76616.7	66828.4	56783.1
-17.5°	78288.5	82755.4	85937.8	86427.0	85937.8	82755.4	78288.5	71023.5	63956.2	56062.0	48710.2
-20°	67518.2	71545.2	74540.4	75506.5	74540.4	71545.2	67518.2	62166.7	55937.7	49876.6	43042.8



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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°	58495.8	61819.0	63984.6	64517.9	63984.6	61819.0	58495.8	54719.8	49501.7	43310.6	37641.0
-25°	49761.7	51619.8	52756.5	53185.8	52756.5	51619.8	49761.7	46935.3	42621.5	37356.4	32240.8
-27.5°	42653.3	43978.6	44546.1	44769.4	44546.1	43978.6	42653.3	40190.0	36966.9	32522.5	28061.9
-30°	36702.8	37720.5	38344.1	38575.5	38344.1	37720.5	36702.8	34608.5	31868.6	28292.6	24563.8
-32.5°	31804.5	32817.5	33474.6	33710.4	33474.6	32817.5	31804.5	29803.4	27184.7	24317.3	21400.0
-35°	27218.2	28055.6	28654.3	28932.7	28654.3	28055.6	27218.2	25682.0	23415.8	20972.0	18779.5
-37.5°	23164.3	23919.8	24418.3	24573.1	24418.3	23919.8	23164.3	21941.9	20036.8	18200.7	15962.6
-40°	18580.2	19261.9	19641.2	19622.6	19641.2	19261.9	18580.2	17599.3	15858.4	13973.7	11834.4
-42.5°	13312.3	14000.9	14487.6	14853.5	14487.6	14000.9	13312.3	12336.0	10683.7	8792.0	6887.9
-45°	7563.0	8128.7	8492.9	8663.8	8492.9	8128.7	7563.0	6780.6	5611.5	4247.3	2946.2
-47.5°	3293.9	3396.6	3448.2	3448.9	3448.2	3396.6	3293.9	3153.9	2918.3	2621.1	2327.8
-50°	2528.8	2593.3	2630.6	2640.5	2630.6	2593.3	2528.8	2454.0	2351.0	2211.0	2074.9
-52.5°	2212.6	2234.9	2244.9	2245.9	2244.9	2234.9	2212.6	2188.8	2154.9	2084.6	2013.4
-55°	2132.1	2169.3	2184.1	2181.9	2184.1	2169.3	2132.1	2088.4	2036.6	1931.9	1818.6
-57.5°	1843.2	1880.2	1901.7	1908.9	1901.7	1880.2	1843.2	1795.9	1739.3	1629.8	1512.6
-60°	1430.0	1453.2	1473.4	1486.6	1473.4	1453.2	1430.0	1397.3	1355.2	1275.8	1182.8
-62.5°	1070.2	1089.7	1108.6	1121.9	1108.6	1089.7	1070.2	1044.3	1012.5	958.0	890.4
-65°	761.2	770.9	786.5	799.8	786.5	770.9	761.2	745.9	724.8	687.5	637.6
-67.5°	510.0	519.3	524.9	526.8	524.9	519.3	510.0	497.2	481.1	456.7	423.1
-70°	310.7	314.1	320.8	326.3	320.8	314.1	310.7	304.8	296.3	282.6	262.7
-72.5°	188.0	193.5	193.6	192.0	193.6	193.5	188.0	181.4	174.1	166.2	157.6
-75°	106.3	107.7	108.5	108.8	108.5	107.7	106.3	104.3	101.7	98.3	93.2
-77.5°	60.0	61.3	60.7	59.7	60.7	61.3	60.0	58.4	56.6	54.3	50.8
-80°	31.2	31.9	32.0	32.0	32.0	31.9	31.2	30.4	29.6	28.7	28.2
-82.5°	22.7	23.4	22.4	21.3	22.4	23.4	22.7	21.9	21.2	20.4	19.6
-85°	12.7	12.8	12.8	12.8	12.8	12.8	12.7	12.6	12.5	12.4	11.7
-87.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.3
-90°	2.1	2.1	1.1	0.0	1.1	2.1	2.1	2.1	2.1	2.1	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°	5.4	5.9	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	3.2	3.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
85°	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
82.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.5	4.6	4.6	4.5
80°	4.3	4.3	4.3	4.6	4.8	4.9	4.9	5.2	5.5	5.9	5.9
77.5°	4.3	4.3	4.4	4.9	5.5	6.0	6.4	6.3	6.2	6.3	6.3
75°	5.0	5.2	5.4	5.6	5.9	6.2	6.6	6.9	7.1	7.1	6.8
72.5°	7.5	7.9	8.1	8.1	7.9	8.0	8.2	8.3	8.4	8.5	8.1
70°	10.1	11.0	12.0	12.7	12.8	12.7	12.3	11.6	10.6	10.2	9.4
67.5°	11.9	13.0	14.9	17.2	18.6	19.2	18.9	17.7	16.6	15.3	12.2
65°	13.7	15.0	16.8	18.9	21.1	23.7	26.8	27.1	25.8	22.8	16.5
62.5°	14.9	16.9	18.1	19.4	21.3	25.2	32.0	35.7	36.5	32.2	24.2
60°	13.2	15.1	16.8	18.5	20.2	26.7	36.4	43.8	48.8	41.5	31.3
57.5°	10.6	11.6	13.8	16.1	18.5	27.4	38.6	50.4	58.4	47.4	37.0
55°	12.4	12.8	13.2	13.9	15.7	25.4	37.1	49.7	56.6	49.6	38.1
52.5°	12.7	13.3	13.9	14.5	16.8	23.1	31.8	44.3	48.2	42.4	35.7
50°	14.7	14.7	14.7	14.7	17.2	21.6	28.3	37.6	37.2	34.7	29.0
47.5°	18.9	18.6	17.3	16.9	19.3	20.3	25.3	29.5	30.3	27.6	23.4
45°	34.2	33.6	24.1	25.1	26.6	27.1	25.2	27.8	27.4	25.1	19.8
42.5°	64.2	65.9	66.8	49.4	40.3	39.7	37.0	34.8	32.0	26.7	24.0
40°	90.3	79.7	82.9	83.4	68.0	57.3	57.3	48.7	43.5	36.3	34.4
37.5°	138.1	115.1	122.8	106.5	97.2	92.3	91.2	77.3	58.8	64.4	60.5
35°	272.0	238.4	246.2	209.9	154.6	177.8	151.7	123.2	107.6	109.9	98.9
32.5°	662.7	653.7	532.9	451.1	387.9	342.9	284.4	201.7	211.2	195.7	157.0
30°	2294.4	1702.7	1202.2	1070.7	985.5	659.3	489.6	475.3	380.0	316.2	238.2
27.5°	5932.3	3815.9	2880.8	2925.3	2161.9	1459.2	1178.7	959.4	652.4	492.5	376.3
25°	12553.3	9761.0	7297.3	6524.8	5009.0	3308.2	2636.5	1936.8	1229.9	713.0	578.2
22.5°	21707.0	18255.2	14482.8	11582.1	9254.4	6998.5	5156.0	3341.3	1965.3	1139.9	819.5
20°	31030.1	27427.3	22471.4	17984.8	14368.9	10894.8	8345.3	5562.1	3325.7	1790.9	1075.6
17.5°	42449.5	36577.5	30094.8	24209.3	19845.0	15642.0	11382.3	7883.7	4912.2	2474.1	1338.2
15°	53525.7	44796.1	36712.0	29975.6	24759.7	18695.4	13955.5	10016.1	6723.7	3558.7	1847.1
12.5°	62281.1	52093.9	42963.5	33892.9	27663.5	21083.7	16330.9	12206.9	8369.3	4689.2	2282.0
10°	69439.0	57850.6	47248.4	37956.9	30388.7	23338.0	17860.3	13256.4	8986.7	5486.3	2679.3
7.5°	73825.8	61621.6	50711.4	40764.7	32694.8	25393.7	18785.5	13688.8	9298.0	6050.4	3030.3
5°	75971.4	64067.5	52965.5	42118.3	34183.3	27078.0	19695.5	13822.2	9342.1	6400.9	3324.6
2.5°	78053.2	65449.8	54245.3	42657.0	35001.0	28237.5	20608.0	13914.6	9427.6	6561.6	3422.0
0°	78885.1	66053.6	54802.6	42792.2	35295.1	28651.2	21442.0	13949.1	9482.8	6565.0	3440.4
-2.5°	77997.8	65227.2	54337.3	42410.3	34977.0	28628.7	21744.4	15001.7	10079.8	6883.5	3537.2
-5°	75963.2	63106.8	51866.2	40779.1	33249.9	27071.9	20824.5	15044.4	10218.3	6923.5	3542.4
-7.5°	70916.6	59213.2	48350.9	38277.1	30816.2	24739.6	19094.9	14022.2	9591.7	6314.3	3256.2
-10°	63665.8	53964.7	43649.2	34772.0	27866.5	22126.1	17284.5	12787.0	8785.5	5585.8	2902.1
-12.5°	56268.0	47395.0	38401.9	30477.9	24442.2	19143.8	15214.9	11355.5	7800.2	4758.5	2490.3
-15°	47789.2	39584.0	32857.4	26599.5	20807.8	16204.1	13042.2	9938.5	6935.2	3929.3	2029.0
-17.5°	41398.8	33401.5	27944.4	23172.7	17967.7	13743.1	11303.1	8866.7	6095.3	3311.1	1630.2
-20°	36647.9	30467.9	24967.0	20233.4	15887.5	12475.0	10184.7	7853.9	5111.6	2779.9	1543.3



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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°	32747.2	27993.1	22939.4	17900.9	14279.0	11646.0	9292.0	6804.3	3975.5	2113.4	1433.8
-25°	28756.4	25256.3	20789.4	16547.4	13102.5	10601.0	8132.3	5389.6	3107.8	1696.1	1316.8
-27.5°	24904.0	21828.3	18651.4	15035.3	12231.4	9310.8	6519.7	3899.4	2154.7	1542.6	1274.3
-30°	21331.2	18758.8	16257.1	13774.4	10909.3	7876.2	4652.3	2786.6	1760.3	1403.6	1230.2
-32.5°	18523.6	16548.0	14453.9	12024.3	9100.1	5819.9	3404.2	1935.9	1551.3	1345.9	1233.9
-35°	16695.3	14547.3	12324.0	9471.6	6493.9	3937.9	2172.2	1717.5	1449.0	1300.4	1251.2
-37.5°	13887.7	11775.9	8870.7	6136.9	3915.4	2345.1	1870.3	1578.7	1380.2	1315.0	1213.9
-40°	9615.4	7242.7	5193.1	3128.9	2340.9	1943.1	1695.1	1498.8	1415.6	1292.2	1148.7
-42.5°	5272.2	3542.4	2559.6	2226.6	1927.6	1767.0	1618.5	1537.4	1408.9	1233.2	1049.5
-45°	2641.7	2350.2	2073.3	1937.0	1790.0	1708.3	1657.3	1504.7	1325.2	1127.0	935.1
-47.5°	2158.2	2033.5	1913.1	1843.0	1779.1	1699.9	1551.3	1390.3	1184.2	993.5	835.3
-50°	1975.6	1924.1	1876.0	1809.7	1672.5	1533.5	1375.2	1205.8	1024.5	865.9	726.0
-52.5°	1932.1	1823.9	1714.5	1601.2	1462.4	1309.4	1156.2	1015.1	866.2	735.9	616.5
-55°	1696.7	1576.9	1459.8	1336.5	1211.4	1088.0	960.2	835.5	720.9	607.6	508.4
-57.5°	1394.1	1283.2	1183.1	1084.7	989.3	883.3	776.1	672.4	580.9	489.2	401.1
-60°	1085.7	989.8	921.3	848.2	770.4	683.7	601.4	521.8	445.5	376.4	306.0
-62.5°	820.1	747.9	689.8	631.2	569.4	503.5	439.7	384.1	328.1	271.3	225.1
-65°	585.0	530.3	480.7	439.2	396.5	352.3	304.8	265.6	230.6	193.6	156.6
-67.5°	387.0	348.7	313.8	284.0	261.0	236.2	208.0	177.9	155.2	135.9	115.3
-70°	242.2	221.5	202.4	183.6	167.9	154.3	139.0	122.8	106.6	92.1	77.5
-72.5°	148.3	138.2	128.1	118.0	107.2	97.9	88.2	77.3	65.9	54.0	44.7
-75°	87.3	80.8	73.9	67.7	60.8	53.5	48.4	43.8	39.2	34.6	30.0
-77.5°	47.4	44.0	41.0	38.6	35.9	32.9	29.5	26.7	25.0	23.2	21.4
-80°	27.5	26.8	25.8	24.7	23.6	22.5	21.4	20.0	18.5	17.1	15.9
-82.5°	18.7	17.7	16.8	16.3	15.8	15.2	14.5	13.7	12.9	12.1	11.5
-85°	11.1	10.5	9.9	9.8	9.8	9.9	9.9	9.8	9.7	9.5	9.4
-87.5°	6.3	6.4	6.4	6.9	7.3	7.7	8.1	8.1	8.0	7.9	7.9
-90°	3.2	3.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3



REPORT NUMBER: P701715 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.8	5.4	5.9
85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.8	5.4	5.9
82.5°	4.3	4.3	4.3	4.3	4.6	4.8	4.9	4.9	5.1	5.4	5.9
80°	5.3	4.8	4.5	4.4	4.9	5.4	5.7	5.8	5.7	5.8	6.0
77.5°	6.0	5.4	4.7	4.4	5.0	5.5	6.0	6.4	6.3	6.1	6.2
75°	6.4	6.2	5.7	5.3	5.3	5.5	6.0	6.4	6.4	6.4	6.3
72.5°	7.3	6.8	6.5	6.4	6.0	6.0	6.2	6.4	6.4	6.4	6.4
70°	8.3	7.3	6.5	6.4	6.4	6.4	6.3	6.4	6.4	6.4	6.4
67.5°	9.6	8.5	7.3	6.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4
65°	12.8	10.1	8.4	7.4	6.7	6.4	6.4	6.4	6.4	6.4	6.4
62.5°	17.2	11.8	9.6	8.2	7.1	6.6	6.4	6.4	6.4	6.4	6.4
60°	23.2	16.1	11.4	9.7	8.0	6.7	6.5	6.4	6.4	6.4	6.4
57.5°	27.2	20.0	15.3	11.7	9.7	7.6	6.6	6.6	6.4	6.4	6.4
55°	29.0	21.7	18.1	14.2	11.4	9.3	7.4	6.9	6.5	6.4	6.5
52.5°	27.1	22.8	19.9	16.1	12.8	10.9	8.9	7.4	7.0	6.4	6.6
50°	22.5	22.8	21.0	17.7	13.8	11.7	10.4	8.5	7.5	6.6	6.7
47.5°	20.1	22.1	21.6	19.0	15.1	12.6	11.3	9.6	8.1	7.1	6.8
45°	21.0	21.3	22.1	20.0	16.8	14.0	12.0	10.6	8.9	7.8	6.9
42.5°	23.9	23.4	22.3	21.4	18.9	15.6	12.7	11.3	9.7	8.4	7.3
40°	31.5	27.7	24.1	23.6	21.4	17.2	14.0	11.9	10.3	9.1	7.8
37.5°	41.7	35.8	29.3	28.7	24.9	19.8	15.4	12.5	11.0	9.7	8.4
35°	73.4	47.4	45.7	40.5	31.5	22.8	16.6	13.3	11.8	10.3	8.9
32.5°	113.7	86.0	80.8	60.6	40.1	26.1	18.8	15.0	12.6	10.9	9.4
30°	190.1	182.3	131.9	86.0	53.8	34.1	22.5	17.1	13.5	11.5	9.9
27.5°	334.6	309.3	206.2	132.8	78.2	44.4	28.0	19.4	14.4	12.1	10.4
25°	499.5	451.9	330.9	195.2	106.0	70.7	34.4	22.2	16.0	12.8	10.8
22.5°	687.5	601.4	476.4	267.0	163.3	105.8	48.5	27.2	18.0	13.5	11.2
20°	874.7	759.1	630.3	357.6	235.6	154.6	73.8	32.6	20.2	14.3	11.6
17.5°	1068.4	889.4	713.4	467.0	310.5	207.2	103.6	38.3	22.4	15.0	12.0
15°	1225.3	975.3	786.1	561.6	380.9	262.8	136.9	44.2	24.6	15.7	12.3
12.5°	1353.8	1056.1	853.5	642.4	446.7	320.3	172.4	50.1	26.9	16.4	12.4
10°	1470.2	1130.9	915.4	710.4	508.2	378.3	209.1	55.9	29.4	17.1	12.6
7.5°	1573.5	1199.0	971.2	767.1	557.9	414.6	231.8	61.3	31.9	17.7	12.7
5°	1654.0	1253.3	1006.9	783.7	562.9	423.8	248.9	66.4	34.3	18.3	12.7
2.5°	1681.5	1290.1	1028.4	788.8	563.9	427.6	262.0	70.9	36.5	18.8	12.8
0°	1691.4	1318.1	1043.0	787.0	561.0	426.6	270.9	74.7	38.4	19.2	12.8
-2.5°	1705.2	1324.0	1059.5	820.1	589.5	441.9	285.4	93.2	50.1	25.7	15.1
-5°	1702.9	1321.1	1069.3	845.8	613.2	453.3	295.6	110.5	61.2	31.9	17.3
-7.5°	1644.7	1287.9	1060.8	861.1	631.1	460.9	302.0	126.3	71.4	37.7	19.4
-10°	1562.1	1233.4	1029.1	852.2	643.8	470.5	305.8	140.3	80.5	42.7	21.2
-12.5°	1464.9	1173.3	999.6	841.8	652.1	481.8	312.9	153.7	88.4	46.8	22.6
-15°	1353.6	1108.7	975.0	831.7	656.3	489.2	315.0	165.2	96.0	50.7	23.7
-17.5°	1239.7	1040.5	957.4	823.4	656.6	492.7	312.2	173.5	101.9	54.4	25.5
-20°	1202.3	1018.1	946.6	818.3	653.0	492.4	304.3	178.4	105.7	57.0	27.6



REPORT NUMBER: P701715 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1170.4	1038.7	945.5	809.7	646.7	488.3	291.3	179.6	107.4	58.2	29.1
-25°	1136.2	1060.9	939.1	787.4	636.8	469.9	282.7	176.8	106.7	58.1	29.9
-27.5°	1142.6	1073.7	922.6	755.4	607.2	445.2	278.6	175.6	104.7	56.6	30.0
-30°	1167.9	1048.2	884.1	715.0	571.6	403.8	269.1	171.4	102.8	55.6	29.3
-32.5°	1172.4	1010.5	830.6	671.2	524.6	361.3	250.3	163.9	98.8	54.7	29.1
-35°	1120.1	948.8	766.5	620.6	473.2	334.2	228.5	153.0	92.6	52.7	28.6
-37.5°	1061.4	872.9	705.1	563.8	420.9	302.4	209.4	139.0	84.4	49.6	27.5
-40°	970.7	796.1	643.0	506.0	377.6	266.1	187.2	125.3	78.3	45.2	25.8
-42.5°	873.3	722.2	580.3	448.0	333.0	238.1	163.0	109.9	71.0	41.7	23.4
-45°	786.2	644.8	513.7	394.1	286.0	206.9	144.0	93.9	62.7	38.2	21.1
-47.5°	694.6	566.2	446.1	335.3	247.8	175.5	123.1	83.6	53.6	33.7	19.4
-50°	603.0	485.6	376.6	283.9	205.8	150.1	102.9	72.3	47.2	28.3	17.4
-52.5°	508.0	404.2	311.6	232.0	172.3	122.6	89.1	60.4	40.1	24.4	15.0
-55°	412.1	327.5	248.4	188.4	139.2	103.1	74.2	51.4	32.4	21.1	12.5
-57.5°	325.1	251.6	197.1	149.1	112.9	84.9	61.2	41.5	27.1	17.5	12.2
-60°	242.5	195.8	150.9	118.3	90.8	67.7	48.8	32.5	22.4	14.2	11.8
-62.5°	181.6	144.5	118.3	91.9	70.3	52.1	36.7	26.4	17.3	13.4	11.3
-65°	133.1	110.0	87.7	68.8	51.5	37.7	29.0	19.9	15.1	12.5	10.7
-67.5°	94.8	78.2	62.4	46.5	36.7	28.7	20.9	16.5	13.7	11.5	10.2
-70°	63.1	49.3	40.9	33.8	26.6	20.3	17.2	14.4	12.1	10.8	9.6
-72.5°	39.5	34.0	28.4	22.7	19.7	16.9	14.4	12.4	11.3	10.2	9.0
-75°	25.5	22.9	20.6	18.2	15.7	13.6	12.5	11.6	10.6	9.5	8.8
-77.5°	19.5	17.6	15.5	14.2	13.1	12.2	11.4	10.8	9.9	9.2	8.7
-80°	14.7	13.6	12.7	11.9	11.2	10.7	10.3	10.0	9.3	8.9	8.6
-82.5°	10.8	10.5	10.3	10.1	9.8	9.6	9.3	9.1	8.7	8.5	8.3
-85°	9.3	9.1	9.0	8.8	8.7	8.5	8.3	8.2	8.0	7.8	7.7
-87.5°	7.8	7.7	7.7	7.6	7.5	7.4	7.4	7.3	7.2	7.1	7.0
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.8	5.4	5.9



REPORT NUMBER: P701715 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
85°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
82.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
80°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
77.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
72.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
70°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
67.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
65°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
62.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
60°	6.4	6.4	6.4	6.4	6.4	6.4	6.4
57.5°	6.5	6.4	6.4	6.4	6.4	6.4	6.4
55°	6.6	6.4	6.4	6.4	6.4	6.4	6.4
52.5°	6.8	6.4	6.4	6.4	6.4	6.4	6.4
50°	7.0	6.6	6.4	6.4	6.4	6.4	6.4
47.5°	7.2	6.8	6.4	6.4	6.4	6.4	6.4
45°	7.3	7.1	6.4	6.4	6.4	6.4	6.4
42.5°	7.4	7.3	6.4	6.4	6.4	6.4	6.4
40°	7.5	7.6	6.5	6.4	6.4	6.4	6.4
37.5°	7.6	7.9	6.7	6.5	6.4	6.4	6.4
35°	7.7	8.0	6.9	6.5	6.4	6.4	6.4
32.5°	7.9	8.1	7.1	6.6	6.4	6.4	6.4
30°	8.3	8.2	7.4	6.7	6.4	6.4	6.4
27.5°	8.7	8.3	7.6	6.8	6.4	6.4	6.4
25°	9.1	8.4	7.8	6.9	6.4	6.4	6.4
22.5°	9.5	8.5	8.0	7.1	6.4	6.4	6.4
20°	9.8	8.5	8.1	7.2	6.4	6.4	6.4
17.5°	10.1	8.5	8.3	7.4	6.4	6.4	6.4
15°	10.2	8.5	8.3	7.5	6.4	6.4	6.4
12.5°	10.4	8.5	8.4	7.7	6.4	6.4	6.4
10°	10.5	8.5	8.5	7.9	6.4	6.4	6.4
7.5°	10.6	8.5	8.5	8.0	6.4	6.4	6.4
5°	10.6	8.5	8.5	8.2	6.4	6.4	6.4
2.5°	10.7	8.5	8.5	8.4	6.4	6.4	6.4
0°	10.7	8.5	8.5	8.5	6.4	6.4	6.4
-2.5°	11.2	8.7	8.5	8.5	6.5	6.4	6.4
-5°	11.8	9.0	8.5	8.5	6.6	6.4	6.4
-7.5°	12.2	9.2	8.5	8.5	6.7	6.4	6.4
-10°	12.6	9.4	8.5	8.4	6.8	6.4	6.4
-12.5°	13.0	9.6	8.5	8.4	6.8	6.4	6.4
-15°	13.2	9.7	8.5	8.4	6.9	6.4	6.4
-17.5°	13.4	9.8	8.5	8.3	7.0	6.4	6.4
-20°	14.0	9.8	8.5	8.3	7.0	6.4	6.4



REPORT NUMBER: P701715 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	15.1	9.8	8.5	8.3	7.1	6.4	6.4
-25°	15.9	10.0	8.5	8.3	7.1	6.4	6.4
-27.5°	16.3	10.2	8.5	8.3	7.2	6.4	6.4
-30°	16.3	10.2	8.5	8.3	7.2	6.4	6.4
-32.5°	15.9	10.1	8.6	8.3	7.2	6.4	6.4
-35°	15.6	9.9	8.7	8.3	7.2	6.4	6.4
-37.5°	15.3	9.6	8.8	8.4	7.2	6.4	6.4
-40°	14.7	9.7	8.8	8.5	7.1	6.4	6.4
-42.5°	13.9	9.8	8.9	8.5	7.1	6.4	6.4
-45°	12.8	9.8	8.9	8.5	7.0	6.4	6.4
-47.5°	11.4	9.8	8.9	8.5	6.9	6.4	6.4
-50°	11.1	9.7	8.8	8.4	6.9	6.4	6.4
-52.5°	11.0	9.6	8.8	8.2	6.8	6.4	6.4
-55°	10.8	9.5	8.7	8.0	6.7	6.4	6.4
-57.5°	10.5	9.3	8.6	7.8	6.5	6.4	6.4
-60°	10.2	9.1	8.5	7.6	6.4	6.4	6.4
-62.5°	9.9	8.9	8.3	7.4	6.4	6.4	6.4
-65°	9.5	8.6	8.1	7.2	6.4	6.4	6.4
-67.5°	9.0	8.4	7.9	7.1	6.4	6.4	6.4
-70°	8.6	8.3	7.8	6.9	6.4	6.4	6.4
-72.5°	8.5	8.2	7.6	6.8	6.4	6.4	6.4
-75°	8.5	8.1	7.4	6.8	6.4	6.4	6.4
-77.5°	8.4	8.0	7.3	6.7	6.4	6.4	6.4
-80°	8.5	7.7	7.1	6.7	6.4	6.4	6.4
-82.5°	8.0	7.4	6.9	6.6	6.4	6.4	6.4
-85°	7.5	7.1	6.8	6.5	6.4	6.4	6.4
-87.5°	6.9	6.7	6.6	6.5	6.4	6.4	6.4
-90°	6.4	6.4	6.4	6.4	6.4	6.4	6.4

(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

