

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: P701708 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-3S-CV2-S**

Issue Date: 8/29/2023

Test Information

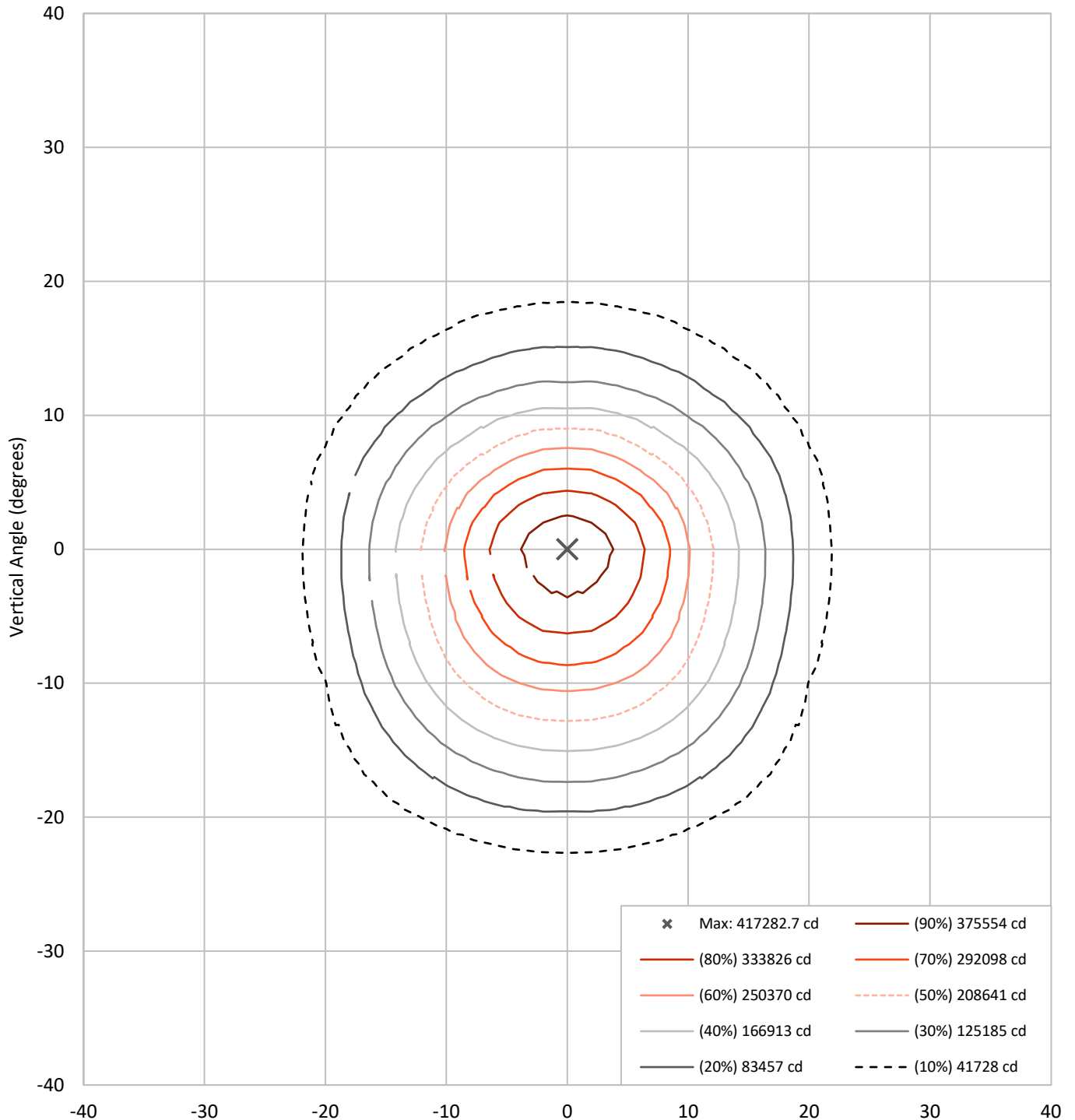
Test Method: LM-79-08
Report Number: P701708 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-18)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-70-3S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	82366.6 lumens	Max Intensity:	417282.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	118.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.2°H x 21.8°V	Field Angle (10%):	43.8°H x 40.9°V
Beam Lumens:	37321.5 lumens	Field Lumens:	70627.8 lumens
Beam Efficiency:	45.3%	Field Efficiency:	85.7%
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





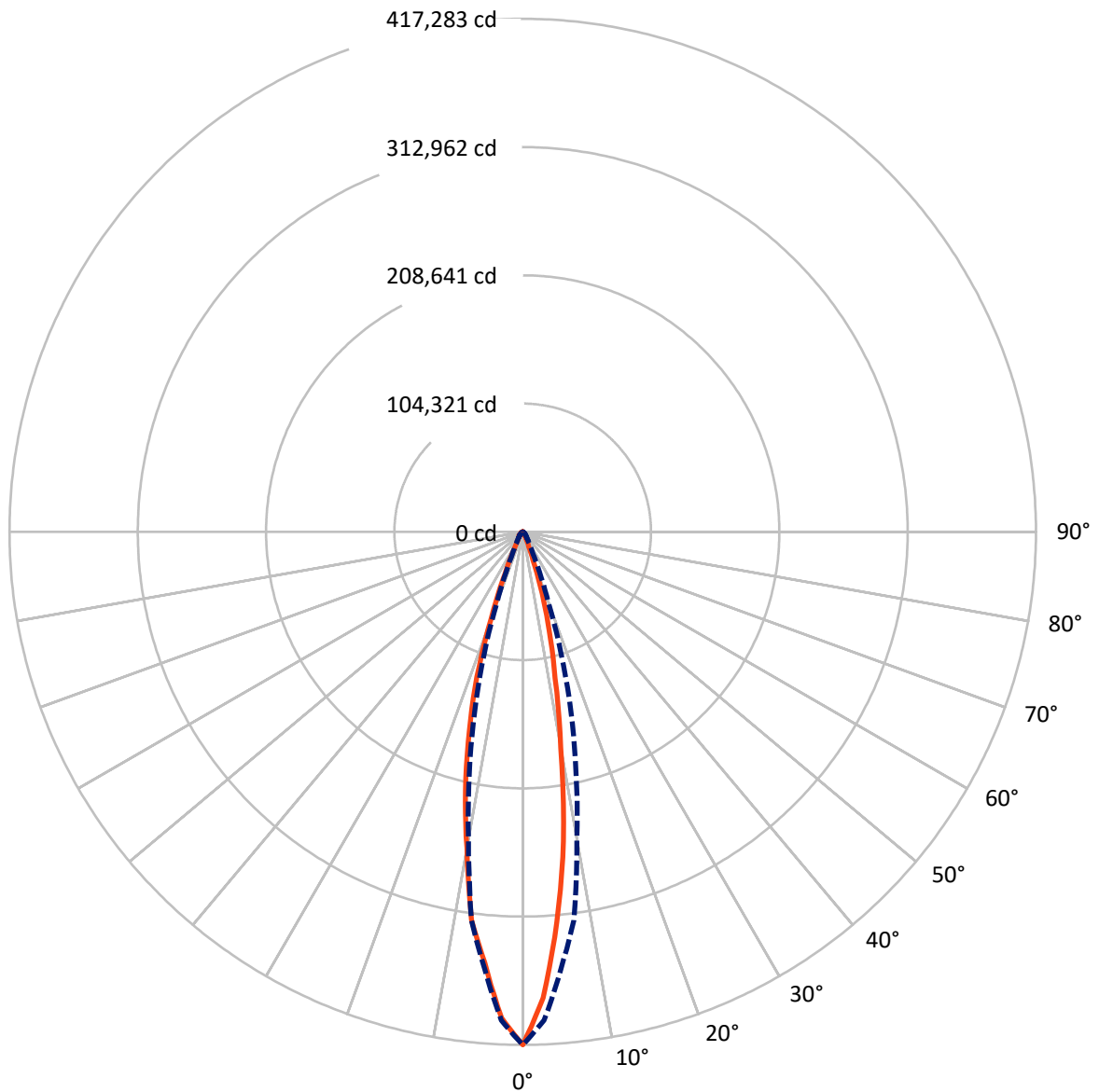
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Lumen Table

90	0.2		0.6		0.8		0.7		0.6		0.7		0.8		0.6		0.2	
80	0.2		0.6		0.8		0.7		0.6		0.7		0.8		0.6		0.2	
70	0.3	0.2	0.2	0.6	0.8	0.5	0.4	0.3	0.3	0.4	0.5	0.8	0.6	0.2	0.2	0.3		
60		0.2	0.4	0.7	0.5	0.3	0.3	0.4	0.4	0.3	0.3	0.5	0.7	0.4	0.2			
50	0.3	0.2	0.5	0.6	0.8	1.0	1.3	1.5	1.5	1.3	1.0	0.8	0.6	0.5	0.2	0.3		
40		0.3	1.0	2.2	4.5	6.9	8.8	10.7	10.7	8.8	6.9	4.5	2.2	1.0	0.3			
30	0.3	0.5	3.4	10.9	28.7	49.4	113.2	236.5	236.5	113.2	49.4	28.7	10.9	3.4	0.5	0.3		
20		1.1	8.1	29.2	72.1	197.7	1039.4	2440.5	2440.5	1039.4	197.7	72.1	29.2	8.1	1.1			
10	0.4	2.2	14.3	54.7	132.1	595.3	3587.8	8207.5	8207.5	3587.8	595.3	132.1	54.7	14.3	2.2	0.4		
0		3.6	19.0	66.1	151.5	642.5	4140.4	9330.2	9330.2	4140.4	642.5	151.5	66.1	19.0	3.6			
-10	0.7	4.2	19.3	62.8	139.2	374.5	2117.1	4635.2	4635.2	2117.1	374.5	139.2	62.8	19.3	4.2	0.7		
-20		4.0	16.1	41.1	95.8	169.0	388.2	790.9	790.9	388.2	169.0	95.8	41.1	16.1	4.0			
-30	0.6	3.4	11.6	25.2	55.7	99.4	137.5	166.4	166.4	137.5	99.4	55.7	25.2	11.6	3.4	0.6		
-40		2.3	8.1	17.7	31.9	54.9	89.1	115.9	115.9	89.1	54.9	31.9	17.7	8.1	2.3			
-50	0.3	1.2	5.0	11.6	20.8	31.4	40.8	47.0	47.0	40.8	31.4	20.8	11.6	5.0	1.2	0.3		
-60		0.4	1.9	5.9	11.7	18.8	25.9	30.2	30.2	25.9	18.8	11.7	5.9	1.9	0.4			
-70	0.3	0.4	1.9	5.9	11.7	18.8	25.9	30.2	30.2	25.9	18.8	11.7	5.9	1.9	0.4	0.3		
-80		0.3	1.1	4.1	11.4	16.3	11.4	4.1	1.1	0.3								
-90	0.3		1.1		4.1		11.4		16.3		11.4		4.1		1.1		0.3	

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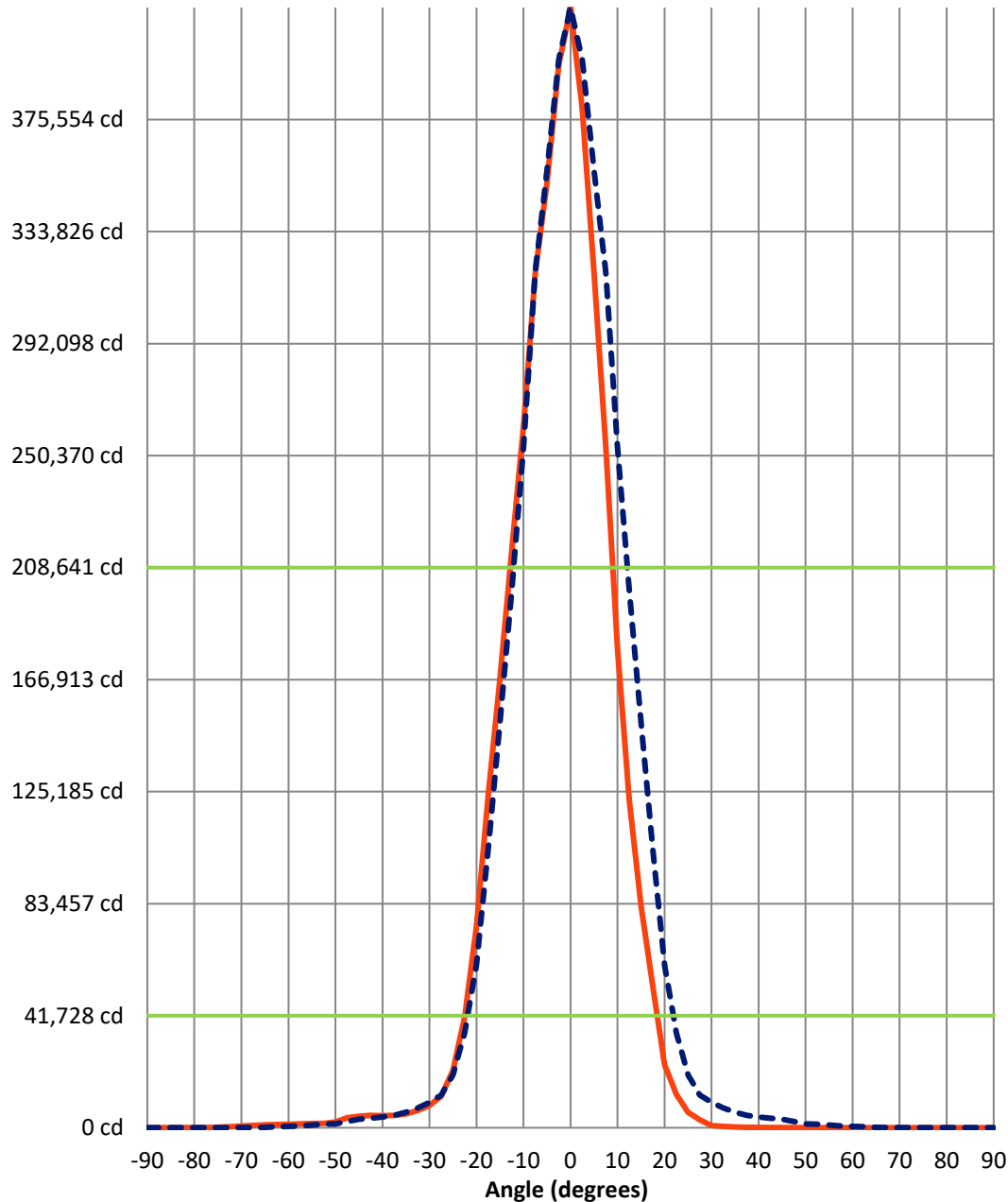
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24.2°
 V Angle: 21.8°
 Lumens: 37321.5
 Efficiency: 45.3%

Field:
 H Angle: 43.8°
 V Angle: 40.9°
 Lumens: 70627.8
 Efficiency: 85.7%

Spill:
 Lumens: 11738.7
 Efficiency: 14.3%

- 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°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	11.3	11.8	12.3	12.9
87.5°	10.7	10.7	10.9	10.9	10.9	10.8	10.7	10.7	10.7	10.7	10.7
85°	10.7	10.8	11.1	11.1	11.1	10.9	10.7	10.7	10.7	10.7	10.7
82.5°	10.7	10.8	11.3	11.3	11.3	11.1	10.7	10.7	10.7	10.8	10.7
80°	10.7	10.9	11.5	11.6	11.5	11.2	10.8	11.0	11.1	11.0	10.8
77.5°	10.7	10.9	11.6	11.8	11.7	11.4	11.4	11.6	11.5	11.3	10.8
75°	10.7	11.0	11.8	12.0	11.9	11.8	11.9	12.1	11.9	11.4	10.9
72.5°	10.7	11.0	12.0	12.3	12.1	12.1	12.5	12.5	12.0	11.5	10.9
70°	10.7	11.1	12.1	12.5	12.3	12.5	12.9	12.6	12.0	11.5	11.0
67.5°	10.7	11.1	12.3	12.5	12.5	12.8	12.9	12.6	12.1	11.6	11.1
65°	10.7	11.1	12.4	12.6	12.6	12.9	12.9	12.7	12.2	11.7	11.4
62.5°	10.7	11.2	12.5	12.7	12.8	12.9	12.9	12.8	12.3	11.8	12.1
60°	10.7	11.2	12.6	12.7	12.9	12.9	12.9	12.8	12.4	12.3	12.7
57.5°	10.7	11.2	12.6	12.8	12.9	12.9	12.9	12.9	12.6	12.7	12.9
55°	10.7	11.2	12.6	12.8	12.9	12.9	12.9	12.9	12.7	12.9	12.9
52.5°	10.7	11.2	12.5	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
50°	10.7	11.2	12.5	12.9	12.9	12.9	12.9	13.0	12.9	12.9	13.9
47.5°	10.7	11.2	12.5	12.9	12.9	12.9	12.9	13.2	12.9	12.9	14.8
45°	10.7	11.3	12.5	12.9	12.9	12.9	13.1	13.4	13.0	13.6	15.6
42.5°	10.7	11.2	12.5	12.9	12.9	12.9	13.3	13.5	13.1	14.1	16.4
40°	10.7	11.2	12.5	12.9	12.9	12.9	13.5	13.6	13.4	14.6	17.0
37.5°	10.7	11.2	12.5	12.9	12.9	12.9	13.8	13.8	14.1	15.4	17.3
35°	10.7	11.2	12.6	12.9	12.9	13.0	14.1	13.9	14.7	16.2	17.4
32.5°	10.7	11.2	12.6	12.9	12.9	13.3	14.3	14.0	15.2	17.3	18.9
30°	10.7	11.2	12.6	12.9	12.9	13.5	14.4	14.3	15.8	18.4	20.8
27.5°	10.7	11.2	12.6	12.9	12.9	13.7	14.6	14.7	16.5	19.6	23.2
25°	10.7	11.1	12.7	12.9	12.9	14.0	14.7	15.2	17.5	21.3	26.1
22.5°	10.7	11.1	12.7	12.9	12.9	14.2	14.8	15.6	18.5	23.5	31.8
20°	10.7	11.1	12.7	12.9	12.9	14.4	15.0	16.0	19.5	25.8	37.4
17.5°	10.7	11.0	12.8	12.9	12.9	14.5	15.1	16.4	20.5	28.2	42.8
15°	10.7	11.0	12.8	12.9	12.9	14.6	15.4	16.8	21.6	30.8	47.8
12.5°	10.7	10.9	12.8	12.9	12.9	14.7	15.6	17.3	23.4	33.4	52.7
10°	10.7	10.9	12.8	12.9	12.9	14.8	15.9	17.7	26.0	38.6	61.0
7.5°	10.7	10.8	12.9	12.9	12.9	14.9	16.2	18.2	28.7	44.2	78.2
5°	10.7	10.8	12.9	12.9	12.9	15.0	16.6	18.6	31.4	49.7	96.1
2.5°	10.7	10.7	12.9	12.9	12.9	15.0	16.9	19.0	34.0	55.1	114.0
0°	10.7	10.7	12.9	12.9	12.9	15.0	17.2	19.3	36.5	60.2	131.1
-2.5°	10.7	10.7	12.9	12.9	12.9	15.0	18.9	25.7	48.4	79.9	159.4
-5°	10.7	10.7	12.9	12.9	12.9	15.0	20.5	31.9	59.9	98.8	185.7
-7.5°	10.7	10.7	12.9	12.9	12.9	14.9	22.0	37.6	70.5	116.6	209.6
-10°	10.7	10.7	12.8	12.9	12.9	14.8	23.2	42.8	80.1	132.7	230.8
-12.5°	10.7	10.7	12.8	12.9	12.9	14.7	24.2	47.1	88.5	146.8	245.5
-15°	10.7	10.7	12.7	12.9	12.9	14.6	24.8	50.5	96.1	158.2	255.8
-17.5°	10.7	10.7	12.7	12.9	12.9	14.5	25.1	53.7	102.8	167.7	263.1
-20°	10.7	10.7	12.6	12.9	12.9	14.4	25.5	56.4	107.7	175.3	267.4



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	10.7	10.7	12.6	12.9	12.9	14.2	26.2	57.8	110.7	180.8	268.4
-25°	10.7	10.7	12.5	12.9	12.9	14.4	26.2	57.8	111.5	184.1	266.1
-27.5°	10.7	10.7	12.4	12.9	12.9	14.7	25.5	56.3	110.1	185.1	268.5
-30°	10.7	10.7	12.3	12.9	12.9	14.9	24.0	53.2	107.8	183.2	268.5
-32.5°	10.7	10.7	12.2	12.9	13.1	14.9	21.7	50.9	104.1	178.2	265.4
-35°	10.7	10.7	12.1	12.9	13.3	14.7	20.8	48.2	98.2	170.0	259.3
-37.5°	10.7	10.7	12.0	12.9	13.4	14.6	20.6	44.1	89.8	158.6	240.0
-40°	10.7	10.7	11.9	12.9	13.5	14.8	20.1	38.8	79.1	146.2	218.0
-42.5°	10.7	10.7	11.7	12.9	13.6	14.9	19.4	32.1	70.0	128.8	194.5
-45°	10.7	10.7	11.6	13.0	13.7	15.0	18.4	27.1	60.9	109.3	170.0
-47.5°	10.7	10.7	11.5	13.0	13.8	15.1	17.1	25.5	50.0	88.6	146.5
-50°	10.7	10.7	11.3	12.9	13.8	15.1	16.9	23.6	37.1	73.8	121.2
-52.5°	10.7	10.7	11.2	12.7	13.8	15.1	16.8	21.3	31.0	58.0	95.3
-55°	10.7	10.7	11.0	12.5	13.8	15.0	16.7	18.9	27.7	41.1	76.0
-57.5°	10.7	10.7	10.9	12.3	13.7	14.9	16.5	18.6	24.0	33.7	55.5
-60°	10.7	10.7	10.7	12.1	13.7	14.8	16.3	18.3	20.7	28.9	39.1
-62.5°	10.7	10.7	10.7	11.9	13.4	14.6	16.0	17.8	19.9	23.8	33.0
-65°	10.7	10.7	10.7	11.7	13.1	14.4	15.7	17.2	19.0	21.7	26.5
-67.5°	10.7	10.7	10.7	11.4	12.8	14.1	15.3	16.6	18.0	20.2	23.1
-70°	10.7	10.7	10.7	11.2	12.5	13.7	14.9	15.9	17.1	18.6	20.9
-72.5°	10.7	10.7	10.7	11.1	12.1	13.3	14.4	15.2	16.1	17.3	18.8
-75°	10.7	10.7	10.7	11.1	11.8	12.9	13.9	14.5	15.1	16.0	17.1
-77.5°	10.7	10.7	10.7	11.0	11.6	12.4	13.4	13.9	14.4	14.8	15.4
-80°	10.7	10.7	10.7	11.0	11.4	12.1	12.9	13.3	13.7	14.0	14.3
-82.5°	10.7	10.7	10.7	10.9	11.3	11.8	12.4	12.7	12.9	13.2	13.5
-85°	10.7	10.7	10.7	10.8	11.1	11.4	11.8	12.2	12.5	12.8	12.9
-87.5°	10.7	10.7	10.7	10.8	10.9	11.1	11.3	11.7	12.2	12.6	12.9
-90°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7



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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°	12.4	11.8	11.3	10.7	10.7	10.7	10.7	10.7	10.2	9.7	9.1
87.5°	10.2	9.7	9.1	8.6	8.6	8.6	8.6	8.6	8.1	7.5	7.0
85°	10.2	9.7	9.3	8.9	8.9	8.9	8.8	8.6	8.1	7.5	7.0
82.5°	10.4	10.2	10.1	10.1	9.9	9.6	9.2	8.7	8.1	7.6	7.0
80°	10.6	10.7	10.7	10.7	10.3	9.7	9.2	8.7	8.1	7.6	7.0
77.5°	10.7	10.7	10.7	10.7	10.3	9.8	9.3	8.7	8.2	7.6	7.1
75°	10.7	10.7	10.7	10.7	10.4	9.9	9.4	9.2	9.1	8.9	8.8
72.5°	10.7	10.7	10.7	10.7	10.5	10.3	10.3	10.5	11.0	11.1	10.9
70°	10.7	10.7	10.9	10.9	10.7	10.9	11.9	13.0	14.0	15.1	17.8
67.5°	10.8	11.3	11.4	11.3	11.6	12.6	14.0	19.7	26.8	30.0	31.7
65°	11.8	12.1	12.1	12.3	12.8	16.9	23.2	31.5	40.5	42.6	42.4
62.5°	12.7	12.6	12.7	13.9	17.3	23.0	31.6	41.2	51.3	49.3	42.6
60°	12.9	12.8	14.3	17.6	22.0	29.7	39.5	44.3	47.5	47.4	39.0
57.5°	12.9	14.0	17.0	21.4	28.0	34.4	36.6	39.3	41.6	42.9	33.7
55°	13.5	15.9	19.8	25.8	30.8	30.0	31.2	33.0	34.5	32.6	24.2
52.5°	14.9	17.7	22.8	28.2	29.2	26.9	25.4	26.7	25.5	22.1	18.3
50°	16.1	19.9	25.1	28.6	27.9	24.2	20.9	21.5	20.4	17.9	15.6
47.5°	17.6	21.8	27.0	29.2	26.2	23.8	20.9	20.2	19.1	19.9	18.8
45°	18.9	23.3	28.9	28.2	26.4	25.5	24.2	21.3	24.6	25.8	25.5
42.5°	19.8	24.4	28.8	27.7	29.3	30.1	29.6	30.8	32.7	35.7	36.9
40°	20.5	25.2	29.8	33.0	33.9	36.8	40.8	44.0	45.1	49.4	52.2
37.5°	20.8	27.5	34.2	42.5	41.4	47.5	54.2	65.8	69.3	65.1	73.2
35°	20.7	31.1	46.0	57.3	59.0	61.6	79.0	96.5	107.3	96.7	106.6
32.5°	23.0	35.9	60.9	77.0	88.5	91.4	108.6	144.8	163.4	166.1	167.1
30°	28.4	49.8	79.4	100.4	126.6	147.7	164.3	205.9	235.7	309.6	369.2
27.5°	35.3	66.6	101.7	135.5	174.7	213.8	253.2	286.1	382.4	521.2	675.9
25°	42.1	90.8	126.3	178.7	238.4	295.4	348.4	393.3	581.2	865.6	1055.8
22.5°	55.4	119.5	161.9	226.9	308.5	383.5	448.9	567.5	830.4	1251.3	1456.0
20°	77.0	149.9	205.6	284.7	386.9	474.6	551.2	749.6	1133.2	1527.9	1781.8
17.5°	100.5	181.6	253.2	357.6	488.3	585.3	663.8	926.7	1426.8	1803.9	2062.6
15°	125.4	214.3	300.2	436.9	599.4	719.6	879.0	1202.0	1686.1	2074.9	2392.2
12.5°	151.0	247.4	346.2	520.5	717.5	855.3	1141.5	1609.9	2041.9	2380.9	2855.6
10°	176.5	280.4	390.7	606.1	839.6	991.1	1430.1	2013.0	2430.5	2779.2	3325.1
7.5°	226.3	326.7	438.5	691.3	962.7	1125.5	1732.6	2405.2	2794.4	3149.3	3724.5
5°	279.9	386.3	512.9	797.3	1084.7	1246.7	2013.9	2779.2	3135.6	3493.0	4063.4
2.5°	331.9	443.7	584.7	900.3	1199.3	1345.3	2182.0	2986.9	3356.9	3759.9	4351.6
0°	380.3	498.4	653.1	994.7	1304.1	1437.3	2318.1	3162.5	3542.7	3983.1	4604.0
-2.5°	419.3	552.0	717.2	1048.3	1340.5	1489.6	2346.1	3227.0	3638.7	4110.4	4725.2
-5°	451.8	601.7	776.4	1092.7	1368.7	1535.7	2340.5	3249.9	3719.3	4206.9	4835.6
-7.5°	477.2	646.9	829.9	1124.7	1383.4	1557.7	2333.5	3280.6	3807.5	4272.8	4925.0
-10°	491.3	665.5	841.3	1120.3	1379.7	1562.5	2282.5	3262.2	3879.6	4320.5	4953.0
-12.5°	476.6	659.6	838.4	1106.1	1370.1	1561.6	2171.6	3191.4	3937.1	4353.2	4900.1
-15°	459.4	649.9	826.9	1082.2	1355.1	1555.0	1994.9	3065.9	3908.2	4234.1	4744.8
-17.5°	440.6	636.4	806.1	1048.4	1335.4	1542.9	1735.9	2747.5	3612.9	4030.5	4576.8
-20°	421.1	619.2	775.5	1004.8	1307.5	1483.6	1614.0	2345.1	3190.8	3779.4	4282.9



REPORT NUMBER: P701708 (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°	401.8	598.2	742.7	964.6	1206.4	1385.5	1524.0	1934.5	2753.6	3468.7	3844.3
-25°	391.6	567.7	715.3	890.6	1098.9	1284.8	1419.6	1565.6	2296.8	2983.8	3456.6
-27.5°	386.7	540.1	674.7	816.7	996.9	1178.3	1306.9	1444.6	1846.4	2495.5	3062.4
-30°	377.8	502.4	632.3	750.1	910.2	1067.2	1193.4	1335.5	1497.1	2021.4	2545.1
-32.5°	356.7	464.1	588.0	701.3	829.0	966.4	1106.3	1245.2	1383.6	1574.4	2054.2
-35°	331.9	432.1	543.6	651.3	752.8	884.7	1024.4	1161.2	1278.6	1400.6	1666.1
-37.5°	311.9	397.5	499.8	601.7	697.6	810.3	939.1	1071.9	1191.9	1302.0	1453.4
-40°	289.9	360.5	458.5	554.8	645.1	742.0	856.8	976.6	1100.4	1229.1	1347.5
-42.5°	265.7	333.9	415.5	508.5	593.3	682.5	774.3	885.1	1006.9	1142.7	1265.5
-45°	238.2	305.6	372.6	458.1	539.5	621.6	707.5	795.3	914.8	1036.8	1165.3
-47.5°	209.1	274.8	339.3	407.6	485.1	560.0	638.7	728.4	822.3	933.7	1047.2
-50°	179.1	241.4	304.0	365.9	432.1	500.0	569.5	660.1	749.3	836.6	934.0
-52.5°	149.1	206.4	266.2	325.7	384.5	445.6	512.1	591.9	676.1	757.9	838.8
-55°	117.2	170.7	226.5	283.1	339.2	394.7	459.2	530.1	603.0	681.0	756.2
-57.5°	90.3	133.0	184.6	238.4	291.4	345.7	408.9	469.9	536.1	605.0	672.5
-60°	65.7	98.6	139.9	189.8	241.6	294.7	357.2	417.7	474.4	529.4	592.7
-62.5°	43.4	69.0	100.1	137.6	184.8	238.0	294.1	353.7	417.9	468.1	517.7
-65°	35.6	44.0	65.2	94.5	125.6	171.0	222.0	277.2	332.9	382.9	435.7
-67.5°	27.6	35.5	42.9	54.0	80.8	110.9	142.9	188.6	237.0	279.0	321.6
-70°	24.0	27.6	33.8	40.4	46.7	59.1	85.5	113.5	141.3	168.2	203.0
-72.5°	21.2	24.3	27.6	31.2	36.6	42.4	48.5	55.0	70.6	91.4	110.7
-75°	18.8	20.9	23.7	26.7	29.5	32.3	35.6	40.7	45.8	50.6	55.2
-77.5°	16.8	18.5	20.4	22.4	24.3	26.4	28.7	31.2	33.5	36.1	38.8
-80°	15.1	16.0	17.4	18.9	19.9	20.9	22.3	23.8	25.2	26.5	28.1
-82.5°	13.9	14.5	15.2	15.9	16.0	15.9	15.8	16.3	17.3	18.2	19.1
-85°	12.9	12.9	13.2	13.5	13.7	13.8	13.8	13.8	13.6	13.5	13.5
-87.5°	12.6	12.4	12.1	12.0	12.0	12.1	12.2	12.3	11.8	11.3	10.8
-90°	10.2	9.7	9.1	8.6	8.6	8.6	8.6	8.6	8.1	7.5	7.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.6	8.6	8.6	8.6	8.6	9.1	9.7	10.2	10.7	12.3	14.0
87.5°	6.4	5.9	5.4	4.8	4.3	3.8	3.2	2.7	2.1	2.1	2.1
85°	6.4	5.9	5.4	4.8	4.3	3.8	3.2	2.7	2.1	2.1	2.1
82.5°	6.5	6.2	6.0	5.9	5.8	5.4	5.0	4.6	4.1	3.7	3.2
80°	6.5	6.4	6.4	6.4	6.4	5.9	5.4	4.9	4.3	3.8	3.2
77.5°	6.7	6.8	6.8	6.7	6.5	6.0	5.4	4.9	4.4	3.8	3.3
75°	8.6	8.3	7.9	7.3	6.6	6.0	5.5	4.9	4.4	4.2	4.2
72.5°	10.5	9.9	9.5	10.0	9.9	9.7	9.4	8.8	7.9	7.9	8.1
70°	19.6	20.6	20.7	19.7	17.6	15.7	14.3	12.6	10.8	10.3	10.4
67.5°	31.3	29.8	28.0	25.6	21.9	18.6	16.6	14.8	13.0	12.4	12.6
65°	39.0	32.3	27.8	24.1	21.2	18.6	16.5	14.5	12.4	11.3	11.1
62.5°	35.6	27.9	23.1	20.2	18.2	16.6	13.9	11.8	10.2	9.3	9.6
60°	30.6	22.4	17.3	15.0	12.9	10.8	9.9	9.2	8.8	8.6	8.7
57.5°	24.3	17.0	12.8	11.9	10.7	9.3	8.8	9.0	8.9	8.6	8.6
55°	17.8	14.6	13.0	12.3	11.7	11.1	10.6	10.4	10.2	9.9	10.2
52.5°	14.4	14.5	14.7	14.4	13.9	13.3	12.7	12.7	12.9	13.3	13.9
50°	16.0	16.5	16.8	16.6	16.2	15.6	14.9	15.5	16.5	17.4	18.1
47.5°	18.6	19.3	20.5	19.0	19.2	20.5	19.7	20.0	23.1	25.2	26.4
45°	23.7	27.4	28.3	29.2	29.5	31.7	32.7	33.4	39.6	42.2	42.4
42.5°	37.7	41.2	44.2	47.0	46.5	53.5	62.9	68.1	67.9	66.8	68.0
40°	57.0	60.9	69.6	76.2	86.4	95.6	96.2	87.3	88.4	98.6	99.4
37.5°	85.6	97.6	114.9	134.2	139.3	133.4	136.9	143.4	150.1	159.5	170.5
35°	136.4	176.4	184.4	199.2	208.9	199.3	203.1	220.2	220.3	250.7	267.4
32.5°	242.0	303.4	322.3	309.0	334.8	350.4	302.5	362.7	374.2	405.4	443.7
30°	394.8	522.5	562.1	543.6	613.4	635.3	593.1	714.3	785.4	784.0	963.7
27.5°	750.1	813.9	888.0	1001.3	1015.9	1053.7	1292.5	1477.3	1711.8	1933.6	2221.4
25°	1147.6	1183.7	1396.3	1536.3	1605.4	1857.9	2211.8	2500.6	2998.2	3462.8	4429.7
22.5°	1513.7	1649.0	1908.2	2132.3	2384.1	2790.6	3278.9	3814.6	5137.0	6764.1	8805.5
20°	1872.9	2051.0	2360.7	2763.7	3165.7	3718.7	4367.7	6065.2	8665.5	12606.6	16865.9
17.5°	2278.5	2449.8	2871.9	3441.1	4052.7	4881.5	6872.5	10115.9	15637.9	23347.8	30785.6
15°	2805.0	3099.7	3566.8	4407.7	5578.2	7531.7	10777.2	18777.3	29802.0	41791.6	54645.8
12.5°	3421.0	3906.8	4667.2	5753.8	7439.2	12054.3	20210.8	33057.0	49531.8	66371.0	87497.5
10°	4017.4	4829.8	5993.4	7705.8	11058.6	18332.3	30483.9	49024.1	74266.9	100302.6	123634.7
7.5°	4541.0	5616.2	7181.9	9581.8	14904.6	25416.9	42898.2	68733.1	100196.6	132370.0	163744.5
5°	5075.9	6354.3	8179.0	10986.8	17250.0	30545.2	52983.6	86776.2	124790.3	163758.2	204707.7
2.5°	5515.0	6973.9	9011.3	12151.5	18636.0	33301.2	59237.8	99343.1	143265.2	187877.8	238832.3
0°	5779.2	7358.3	9422.9	12187.9	19724.5	35472.3	60782.7	103791.6	151065.2	200115.4	253445.3
-2.5°	5787.4	7278.2	9222.3	12072.4	19491.5	34878.8	60890.5	103680.7	150645.7	197885.6	250513.6
-5°	5769.4	7095.8	8921.6	11657.7	18097.1	31782.4	56219.2	96963.3	143221.9	187928.5	235863.5
-7.5°	5741.8	6854.6	8494.3	10994.6	16312.7	28045.1	50838.8	88136.9	131781.7	173423.9	216333.7
-10°	5709.9	6604.9	8101.1	10425.7	14696.1	23599.7	40896.4	74863.8	114901.3	153327.8	188515.1
-12.5°	5682.5	6502.4	7784.3	9642.0	12731.0	19775.8	34527.1	61180.4	93603.0	126050.0	157220.4
-15°	5577.7	6366.6	7525.8	9059.9	11564.3	16491.2	25774.9	44198.4	70821.8	96453.0	121196.6
-17.5°	5362.9	6173.4	6902.7	8096.9	9903.4	13116.2	19198.7	30300.3	47394.6	67430.3	84886.6
-20°	4942.2	5497.7	6102.7	7117.0	8507.3	10198.7	12972.7	19298.4	27426.3	40495.3	49647.9



REPORT NUMBER: P701708 (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°	4317.4	4784.7	5293.8	5969.6	6947.2	8140.9	9621.0	11959.6	16200.9	21238.0	26805.2
-25°	3747.6	4083.4	4555.1	5135.7	5659.0	6437.7	7475.0	8382.2	10214.2	11696.1	14758.0
-27.5°	3315.7	3594.9	4022.1	4472.3	4858.6	5275.9	5997.6	6639.0	7530.3	8308.5	9553.2
-30°	3003.4	3289.4	3632.8	3974.1	4340.9	4694.7	5017.8	5504.0	6038.6	6546.2	7204.7
-32.5°	2617.8	3069.1	3317.7	3606.3	3932.7	4242.1	4488.5	4796.0	5090.2	5426.5	5787.6
-35°	2215.0	2708.1	3089.7	3311.5	3553.9	3849.4	4101.9	4312.1	4507.1	4715.9	4906.7
-37.5°	1740.6	2285.5	2720.2	3048.4	3269.8	3476.1	3746.8	3949.0	4077.9	4251.0	4381.5
-40°	1496.1	1714.2	2208.3	2654.4	2939.7	3264.6	3516.5	3730.6	3966.7	4150.9	4257.2
-42.5°	1376.8	1503.3	1634.8	1999.2	2445.6	2835.7	3160.5	3512.6	3828.4	4079.6	4313.3
-45°	1284.7	1374.5	1468.2	1589.0	1714.0	2079.1	2479.6	2891.3	3260.0	3604.5	3900.1
-47.5°	1161.7	1266.9	1352.4	1428.8	1505.6	1617.6	1737.6	1904.5	2258.9	2618.2	2960.8
-50°	1035.1	1131.9	1226.3	1315.0	1386.9	1443.4	1488.7	1562.4	1669.1	1775.4	1879.8
-52.5°	915.9	1005.7	1091.2	1177.2	1261.3	1336.0	1402.2	1454.3	1497.1	1533.6	1558.4
-55°	830.6	901.3	967.8	1049.8	1130.6	1205.8	1275.4	1339.3	1397.7	1450.7	1487.2
-57.5°	741.9	811.2	880.1	949.1	1015.9	1080.5	1145.4	1208.7	1268.0	1322.1	1358.3
-60°	654.0	713.3	781.7	852.9	919.5	981.8	1042.1	1098.8	1151.7	1197.1	1226.4
-62.5°	571.1	627.0	686.1	750.2	817.7	883.5	943.9	1001.3	1055.7	1099.8	1128.1
-65°	487.3	534.4	584.9	637.8	692.5	748.6	806.2	864.8	923.9	971.2	1002.4
-67.5°	366.1	413.2	462.8	514.5	561.1	603.9	645.4	688.1	731.4	767.3	795.6
-70°	238.1	273.3	307.9	343.2	381.9	421.1	458.7	493.9	526.5	552.6	573.7
-72.5°	128.7	145.7	164.8	191.8	217.6	243.7	269.5	293.9	316.5	333.6	347.0
-75°	59.7	67.4	81.9	95.3	107.7	120.3	132.6	143.8	154.0	161.3	166.9
-77.5°	42.3	45.8	49.3	52.8	56.3	61.0	66.1	71.1	76.0	80.7	85.3
-80°	29.8	31.8	33.7	35.5	37.2	40.0	42.9	45.8	48.8	51.7	54.6
-82.5°	19.9	21.2	22.5	23.7	24.8	26.4	28.0	29.6	31.0	33.5	35.9
-85°	13.4	14.0	14.6	15.3	16.0	17.2	18.5	19.8	21.0	22.8	24.5
-87.5°	10.3	10.4	10.4	10.5	10.5	11.6	12.6	13.7	14.8	16.5	18.2
-90°	6.4	5.9	5.4	4.8	4.3	3.8	3.2	2.7	2.1	1.6	1.1



REPORT NUMBER: P701708 (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°	15.6	17.2	18.3	19.3	18.3	17.2	15.6	14.0	12.3	10.7	10.2
87.5°	2.1	2.1	1.0	0.0	1.0	2.1	2.1	2.1	2.1	2.1	2.7
85°	2.1	2.1	1.1	0.0	1.1	2.1	2.1	2.1	2.1	2.1	2.7
82.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.2	3.7	4.1	4.6
80°	2.7	2.1	2.1	2.1	2.1	2.1	2.7	3.2	3.8	4.3	4.9
77.5°	2.7	2.1	2.1	2.1	2.1	2.1	2.7	3.3	3.8	4.4	4.9
75°	4.2	4.2	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.4	4.9
72.5°	8.3	8.5	8.6	8.6	8.6	8.5	8.3	8.1	7.9	7.9	8.8
70°	10.6	10.6	10.7	10.7	10.7	10.6	10.6	10.4	10.3	10.8	12.6
67.5°	12.7	12.8	12.9	12.9	12.9	12.8	12.7	12.6	12.4	13.0	14.8
65°	10.9	10.8	10.7	10.7	10.7	10.8	10.9	11.1	11.3	12.4	14.5
62.5°	10.1	10.6	10.7	10.7	10.7	10.6	10.1	9.6	9.3	10.2	11.8
60°	8.8	8.7	8.6	8.6	8.6	8.7	8.8	8.7	8.6	8.8	9.2
57.5°	8.6	8.6	9.4	10.7	9.4	8.6	8.6	8.6	8.6	8.9	9.0
55°	10.4	10.6	11.5	12.9	11.5	10.6	10.4	10.2	9.9	10.2	10.4
52.5°	14.4	14.7	14.9	15.0	14.9	14.7	14.4	13.9	13.3	12.9	12.7
50°	18.6	19.0	19.2	19.3	19.2	19.0	18.6	18.1	17.4	16.5	15.5
47.5°	27.3	27.6	27.7	27.9	27.7	27.6	27.3	26.4	25.2	23.1	20.0
45°	43.9	44.4	44.7	45.1	44.7	44.4	43.9	42.4	42.2	39.6	33.4
42.5°	70.7	71.8	71.8	70.9	71.8	71.8	70.7	68.0	66.8	67.9	68.1
40°	100.9	100.9	99.8	98.8	99.8	100.9	100.9	99.4	98.6	88.4	87.3
37.5°	175.5	169.2	157.9	152.5	157.9	169.2	175.5	170.5	159.5	150.1	143.4
35°	271.7	275.7	276.8	275.0	276.8	275.7	271.7	267.4	250.7	220.3	220.2
32.5°	454.4	476.1	483.1	496.3	483.1	476.1	454.4	443.7	405.4	374.2	362.7
30°	935.4	928.9	847.4	812.1	847.4	928.9	935.4	963.7	784.0	785.4	714.3
27.5°	2519.9	2809.9	2948.3	2936.9	2948.3	2809.9	2519.9	2221.4	1933.6	1711.8	1477.3
25°	5189.6	5655.8	5965.0	5762.0	5965.0	5655.8	5189.6	4429.7	3462.8	2998.2	2500.6
22.5°	10706.8	11723.2	12277.0	12475.8	12277.0	11723.2	10706.8	8805.5	6764.1	5137.0	3814.6
20°	21456.3	23375.3	24776.9	23606.7	24776.9	23375.3	21456.3	16865.9	12606.6	8665.5	6065.2
17.5°	39833.6	45803.3	51084.3	52734.8	51084.3	45803.3	39833.6	30785.6	23347.8	15637.9	10115.9
15°	67038.2	77119.8	83112.3	82763.0	83112.3	77119.8	67038.2	54645.8	41791.6	29802.0	18777.3
12.5°	103145.9	115587.1	123888.4	122042.4	123888.4	115587.1	103145.9	87497.5	66371.0	49531.8	33057.0
10°	146532.1	165376.6	179068.6	178438.0	179068.6	165376.6	146532.1	123634.7	100302.6	74266.9	49024.1
7.5°	191513.8	222449.8	249300.8	253819.2	249300.8	222449.8	191513.8	163744.5	132370.0	100196.6	68733.1
5°	249521.5	290296.3	316961.9	318486.1	316961.9	290296.3	249521.5	204707.7	163758.2	124790.3	86776.2
2.5°	296575.5	343351.0	365854.6	379489.1	365854.6	343351.0	296575.5	238832.3	187877.8	143265.2	99343.1
0°	318620.4	356646.1	397789.2	417282.7	397789.2	356646.1	318620.4	253445.3	200115.4	151065.2	103791.6
-2.5°	309576.3	350323.6	375009.8	395669.8	375009.8	350323.6	309576.3	250513.6	197885.6	150645.7	103680.7
-5°	289065.0	329439.0	350148.7	352080.8	350148.7	329439.0	289065.0	235863.5	187928.5	143221.9	96963.3
-7.5°	255579.7	289814.6	311557.7	318322.9	311557.7	289814.6	255579.7	216333.7	173423.9	131781.7	88136.9
-10°	219993.5	244614.0	258666.0	261360.0	258666.0	244614.0	219993.5	188515.1	153327.8	114901.3	74863.8
-12.5°	182996.2	203152.9	212849.1	214967.4	212849.1	203152.9	182996.2	157220.4	126050.0	93603.0	61180.4
-15°	142012.5	157180.1	165910.4	167429.6	165910.4	157180.1	142012.5	121196.6	96453.0	70821.8	44198.4
-17.5°	101365.9	113690.6	122534.5	123709.5	122534.5	113690.6	101365.9	84886.6	67430.3	47394.6	30300.3
-20°	62268.8	70654.6	75828.4	75069.6	75828.4	70654.6	62268.8	49647.9	40495.3	27426.3	19298.4



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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°	33524.7	38045.0	40231.4	41361.1	40231.4	38045.0	33524.7	26805.2	21238.0	16200.9	11959.6
-25°	17721.0	19635.4	20617.7	21387.4	20617.7	19635.4	17721.0	14758.0	11696.1	10214.2	8382.2
-27.5°	10544.2	11202.6	11568.2	11769.0	11568.2	11202.6	10544.2	9553.2	8308.5	7530.3	6639.0
-30°	7730.0	8045.3	8212.0	8295.0	8212.0	8045.3	7730.0	7204.7	6546.2	6038.6	5504.0
-32.5°	6077.5	6264.6	6379.8	6421.6	6379.8	6264.6	6077.5	5787.6	5426.5	5090.2	4796.0
-35°	5041.5	5104.1	5126.6	5166.9	5126.6	5104.1	5041.5	4906.7	4715.9	4507.1	4312.1
-37.5°	4480.8	4539.1	4567.6	4591.1	4567.6	4539.1	4480.8	4381.5	4251.0	4077.9	3949.0
-40°	4306.3	4368.1	4431.5	4477.3	4431.5	4368.1	4306.3	4257.2	4150.9	3966.7	3730.6
-42.5°	4415.4	4516.4	4585.8	4595.4	4585.8	4516.4	4415.4	4313.3	4079.6	3828.4	3512.6
-45°	4068.0	4183.1	4245.8	4266.7	4245.8	4183.1	4068.0	3900.1	3604.5	3260.0	2891.3
-47.5°	3264.4	3527.4	3684.4	3718.9	3684.4	3527.4	3264.4	2960.8	2618.2	2258.9	1904.5
-50°	1981.2	2074.9	2126.5	2133.4	2126.5	2074.9	1981.2	1879.8	1775.4	1669.1	1562.4
-52.5°	1578.0	1594.8	1605.2	1611.3	1605.2	1594.8	1578.0	1558.4	1533.6	1497.1	1454.3
-55°	1519.3	1547.4	1563.2	1570.5	1563.2	1547.4	1519.3	1487.2	1450.7	1397.7	1339.3
-57.5°	1390.7	1419.1	1431.8	1435.1	1431.8	1419.1	1390.7	1358.3	1322.1	1268.0	1208.7
-60°	1253.1	1277.2	1284.8	1284.7	1284.8	1277.2	1253.1	1226.4	1197.1	1151.7	1098.8
-62.5°	1155.1	1180.3	1192.5	1198.8	1192.5	1180.3	1155.1	1128.1	1099.8	1055.7	1001.3
-65°	1029.6	1052.6	1062.3	1065.6	1062.3	1052.6	1029.6	1002.4	971.2	923.9	864.8
-67.5°	820.8	842.6	848.8	848.6	848.8	842.6	820.8	795.6	767.3	731.4	688.1
-70°	591.6	606.1	608.5	605.9	608.5	606.1	591.6	573.7	552.6	526.5	493.9
-72.5°	357.8	366.2	369.3	369.5	369.3	366.2	357.8	347.0	333.6	316.5	293.9
-75°	171.1	174.2	176.7	178.3	176.7	174.2	171.1	166.9	161.3	154.0	143.8
-77.5°	89.6	93.7	95.4	96.7	95.4	93.7	89.6	85.3	80.7	76.0	71.1
-80°	57.3	59.8	60.1	60.2	60.1	59.8	57.3	54.6	51.7	48.8	45.8
-82.5°	38.3	40.6	40.8	40.8	40.8	40.6	38.3	35.9	33.5	31.0	29.6
-85°	26.2	27.8	29.0	30.1	29.0	27.8	26.2	24.5	22.8	21.0	19.8
-87.5°	19.8	21.5	21.5	21.5	21.5	21.5	19.8	18.2	16.5	14.8	13.7
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	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°	9.7	9.1	8.6	8.6	8.6	8.6	8.6	9.1	9.7	10.2	10.7
87.5°	3.2	3.8	4.3	4.8	5.4	5.9	6.4	7.0	7.5	8.1	8.6
85°	3.2	3.8	4.3	4.8	5.4	5.9	6.4	7.0	7.5	8.1	8.6
82.5°	5.0	5.4	5.8	5.9	6.0	6.2	6.5	7.0	7.6	8.1	8.7
80°	5.4	5.9	6.4	6.4	6.4	6.4	6.5	7.0	7.6	8.1	8.7
77.5°	5.4	6.0	6.5	6.7	6.8	6.8	6.7	7.1	7.6	8.2	8.7
75°	5.5	6.0	6.6	7.3	7.9	8.3	8.6	8.8	8.9	9.1	9.2
72.5°	9.4	9.7	9.9	10.0	9.5	9.9	10.5	10.9	11.1	11.0	10.5
70°	14.3	15.7	17.6	19.7	20.7	20.6	19.6	17.8	15.1	14.0	13.0
67.5°	16.6	18.6	21.9	25.6	28.0	29.8	31.3	31.7	30.0	26.8	19.7
65°	16.5	18.6	21.2	24.1	27.8	32.3	39.0	42.4	42.6	40.5	31.5
62.5°	13.9	16.6	18.2	20.2	23.1	27.9	35.6	42.6	49.3	51.3	41.2
60°	9.9	10.8	12.9	15.0	17.3	22.4	30.6	39.0	47.4	47.5	44.3
57.5°	8.8	9.3	10.7	11.9	12.8	17.0	24.3	33.7	42.9	41.6	39.3
55°	10.6	11.1	11.7	12.3	13.0	14.6	17.8	24.2	32.6	34.5	33.0
52.5°	12.7	13.3	13.9	14.4	14.7	14.5	14.4	18.3	22.1	25.5	26.7
50°	14.9	15.6	16.2	16.6	16.8	16.5	16.0	15.6	17.9	20.4	21.5
47.5°	19.7	20.5	19.2	19.0	20.5	19.3	18.6	18.8	19.9	19.1	20.2
45°	32.7	31.7	29.5	29.2	28.3	27.4	23.7	25.5	25.8	24.6	21.3
42.5°	62.9	53.5	46.5	47.0	44.2	41.2	37.7	36.9	35.7	32.7	30.8
40°	96.2	95.6	86.4	76.2	69.6	60.9	57.0	52.2	49.4	45.1	44.0
37.5°	136.9	133.4	139.3	134.2	114.9	97.6	85.6	73.2	65.1	69.3	65.8
35°	203.1	199.3	208.9	199.2	184.4	176.4	136.4	106.6	96.7	107.3	96.5
32.5°	302.5	350.4	334.8	309.0	322.3	303.4	242.0	167.1	166.1	163.4	144.8
30°	593.1	635.3	613.4	543.6	562.1	522.5	394.8	369.2	309.6	235.7	205.9
27.5°	1292.5	1053.7	1015.9	1001.3	888.0	813.9	750.1	675.9	521.2	382.4	286.1
25°	2211.8	1857.9	1605.4	1536.3	1396.3	1183.7	1147.6	1055.8	865.6	581.2	393.3
22.5°	3278.9	2790.6	2384.1	2132.3	1908.2	1649.0	1513.7	1456.0	1251.3	830.4	567.5
20°	4367.7	3718.7	3165.7	2763.7	2360.7	2051.0	1872.9	1781.8	1527.9	1133.2	749.6
17.5°	6872.5	4881.5	4052.7	3441.1	2871.9	2449.8	2278.5	2062.6	1803.9	1426.8	926.7
15°	10777.2	7531.7	5578.2	4407.7	3566.8	3099.7	2805.0	2392.2	2074.9	1686.1	1202.0
12.5°	20210.8	12054.3	7439.2	5753.8	4667.2	3906.8	3421.0	2855.6	2380.9	2041.9	1609.9
10°	30483.9	18332.3	11058.6	7705.8	5993.4	4829.8	4017.4	3325.1	2779.2	2430.5	2013.0
7.5°	42898.2	25416.9	14904.6	9581.8	7181.9	5616.2	4541.0	3724.5	3149.3	2794.4	2405.2
5°	52983.6	30545.2	17250.0	10986.8	8179.0	6354.3	5075.9	4063.4	3493.0	3135.6	2779.2
2.5°	59237.8	33301.2	18636.0	12151.5	9011.3	6973.9	5515.0	4351.6	3759.9	3356.9	2986.9
0°	60782.7	35472.3	19724.5	12187.9	9422.9	7358.3	5779.2	4604.0	3983.1	3542.7	3162.5
-2.5°	60890.5	34878.8	19491.5	12072.4	9222.3	7278.2	5787.4	4725.2	4110.4	3638.7	3227.0
-5°	56219.2	31782.4	18097.1	11657.7	8921.6	7095.8	5769.4	4835.6	4206.9	3719.3	3249.9
-7.5°	50838.8	28045.1	16312.7	10994.6	8494.3	6854.6	5741.8	4925.0	4272.8	3807.5	3280.6
-10°	40896.4	23599.7	14696.1	10425.7	8101.1	6604.9	5709.9	4953.0	4320.5	3879.6	3262.2
-12.5°	34527.1	19775.8	12731.0	9642.0	7784.3	6502.4	5682.5	4900.1	4353.2	3937.1	3191.4
-15°	25774.9	16491.2	11564.3	9059.9	7525.8	6366.6	5577.7	4744.8	4234.1	3908.2	3065.9
-17.5°	19198.7	13116.2	9903.4	8096.9	6902.7	6173.4	5362.9	4576.8	4030.5	3612.9	2747.5
-20°	12972.7	10198.7	8507.3	7117.0	6102.7	5497.7	4942.2	4282.9	3779.4	3190.8	2345.1



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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°	9621.0	8140.9	6947.2	5969.6	5293.8	4784.7	4317.4	3844.3	3468.7	2753.6	1934.5
-25°	7475.0	6437.7	5659.0	5135.7	4555.1	4083.4	3747.6	3456.6	2983.8	2296.8	1565.6
-27.5°	5997.6	5275.9	4858.6	4472.3	4022.1	3594.9	3315.7	3062.4	2495.5	1846.4	1444.6
-30°	5017.8	4694.7	4340.9	3974.1	3632.8	3289.4	3003.4	2545.1	2021.4	1497.1	1335.5
-32.5°	4488.5	4242.1	3932.7	3606.3	3317.7	3069.1	2617.8	2054.2	1574.4	1383.6	1245.2
-35°	4101.9	3849.4	3553.9	3311.5	3089.7	2708.1	2215.0	1666.1	1400.6	1278.6	1161.2
-37.5°	3746.8	3476.1	3269.8	3048.4	2720.2	2285.5	1740.6	1453.4	1302.0	1191.9	1071.9
-40°	3516.5	3264.6	2939.7	2654.4	2208.3	1714.2	1496.1	1347.5	1229.1	1100.4	976.6
-42.5°	3160.5	2835.7	2445.6	1999.2	1634.8	1503.3	1376.8	1265.5	1142.7	1006.9	885.1
-45°	2479.6	2079.1	1714.0	1589.0	1468.2	1374.5	1284.7	1165.3	1036.8	914.8	795.3
-47.5°	1737.6	1617.6	1505.6	1428.8	1352.4	1266.9	1161.7	1047.2	933.7	822.3	728.4
-50°	1488.7	1443.4	1386.9	1315.0	1226.3	1131.9	1035.1	934.0	836.6	749.3	660.1
-52.5°	1402.2	1336.0	1261.3	1177.2	1091.2	1005.7	915.9	838.8	757.9	676.1	591.9
-55°	1275.4	1205.8	1130.6	1049.8	967.8	901.3	830.6	756.2	681.0	603.0	530.1
-57.5°	1145.4	1080.5	1015.9	949.1	880.1	811.2	741.9	672.5	605.0	536.1	469.9
-60°	1042.1	981.8	919.5	852.9	781.7	713.3	654.0	592.7	529.4	474.4	417.7
-62.5°	943.9	883.5	817.7	750.2	686.1	627.0	571.1	517.7	468.1	417.9	353.7
-65°	806.2	748.6	692.5	637.8	584.9	534.4	487.3	435.7	382.9	332.9	277.2
-67.5°	645.4	603.9	561.1	514.5	462.8	413.2	366.1	321.6	279.0	237.0	188.6
-70°	458.7	421.1	381.9	343.2	307.9	273.3	238.1	203.0	168.2	141.3	113.5
-72.5°	269.5	243.7	217.6	191.8	164.8	145.7	128.7	110.7	91.4	70.6	55.0
-75°	132.6	120.3	107.7	95.3	81.9	67.4	59.7	55.2	50.6	45.8	40.7
-77.5°	66.1	61.0	56.3	52.8	49.3	45.8	42.3	38.8	36.1	33.5	31.2
-80°	42.9	40.0	37.2	35.5	33.7	31.8	29.8	28.1	26.5	25.2	23.8
-82.5°	28.0	26.4	24.8	23.7	22.5	21.2	19.9	19.1	18.2	17.3	16.3
-85°	18.5	17.2	16.0	15.3	14.6	14.0	13.4	13.5	13.5	13.6	13.8
-87.5°	12.6	11.6	10.5	10.5	10.4	10.4	10.3	10.8	11.3	11.8	12.3
-90°	3.2	3.8	4.3	4.8	5.4	5.9	6.4	7.0	7.5	8.1	8.6



REPORT NUMBER: P701708 (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°	10.7	10.7	10.7	10.7	11.3	11.8	12.4	12.9	12.3	11.8	11.3
87.5°	8.6	8.6	8.6	8.6	9.1	9.7	10.2	10.7	10.7	10.7	10.7
85°	8.8	8.9	8.9	8.9	9.3	9.7	10.2	10.7	10.7	10.7	10.7
82.5°	9.2	9.6	9.9	10.1	10.1	10.2	10.4	10.7	10.8	10.7	10.7
80°	9.2	9.7	10.3	10.7	10.7	10.7	10.6	10.8	11.0	11.1	11.0
77.5°	9.3	9.8	10.3	10.7	10.7	10.7	10.7	10.8	11.3	11.5	11.6
75°	9.4	9.9	10.4	10.7	10.7	10.7	10.7	10.9	11.4	11.9	12.1
72.5°	10.3	10.3	10.5	10.7	10.7	10.7	10.7	10.9	11.5	12.0	12.5
70°	11.9	10.9	10.7	10.9	10.9	10.7	10.7	11.0	11.5	12.0	12.6
67.5°	14.0	12.6	11.6	11.3	11.4	11.3	10.8	11.1	11.6	12.1	12.6
65°	23.2	16.9	12.8	12.3	12.1	12.1	11.8	11.4	11.7	12.2	12.7
62.5°	31.6	23.0	17.3	13.9	12.7	12.6	12.7	12.1	11.8	12.3	12.8
60°	39.5	29.7	22.0	17.6	14.3	12.8	12.9	12.7	12.3	12.4	12.8
57.5°	36.6	34.4	28.0	21.4	17.0	14.0	12.9	12.9	12.7	12.6	12.9
55°	31.2	30.0	30.8	25.8	19.8	15.9	13.5	12.9	12.9	12.7	12.9
52.5°	25.4	26.9	29.2	28.2	22.8	17.7	14.9	12.9	12.9	12.9	12.9
50°	20.9	24.2	27.9	28.6	25.1	19.9	16.1	13.9	12.9	12.9	13.0
47.5°	20.9	23.8	26.2	29.2	27.0	21.8	17.6	14.8	12.9	12.9	13.2
45°	24.2	25.5	26.4	28.2	28.9	23.3	18.9	15.6	13.6	13.0	13.4
42.5°	29.6	30.1	29.3	27.7	28.8	24.4	19.8	16.4	14.1	13.1	13.5
40°	40.8	36.8	33.9	33.0	29.8	25.2	20.5	17.0	14.6	13.4	13.6
37.5°	54.2	47.5	41.4	42.5	34.2	27.5	20.8	17.3	15.4	14.1	13.8
35°	79.0	61.6	59.0	57.3	46.0	31.1	20.7	17.4	16.2	14.7	13.9
32.5°	108.6	91.4	88.5	77.0	60.9	35.9	23.0	18.9	17.3	15.2	14.0
30°	164.3	147.7	126.6	100.4	79.4	49.8	28.4	20.8	18.4	15.8	14.3
27.5°	253.2	213.8	174.7	135.5	101.7	66.6	35.3	23.2	19.6	16.5	14.7
25°	348.4	295.4	238.4	178.7	126.3	90.8	42.1	26.1	21.3	17.5	15.2
22.5°	448.9	383.5	308.5	226.9	161.9	119.5	55.4	31.8	23.5	18.5	15.6
20°	551.2	474.6	386.9	284.7	205.6	149.9	77.0	37.4	25.8	19.5	16.0
17.5°	663.8	585.3	488.3	357.6	253.2	181.6	100.5	42.8	28.2	20.5	16.4
15°	879.0	719.6	599.4	436.9	300.2	214.3	125.4	47.8	30.8	21.6	16.8
12.5°	1141.5	855.3	717.5	520.5	346.2	247.4	151.0	52.7	33.4	23.4	17.3
10°	1430.1	991.1	839.6	606.1	390.7	280.4	176.5	61.0	38.6	26.0	17.7
7.5°	1732.6	1125.5	962.7	691.3	438.5	326.7	226.3	78.2	44.2	28.7	18.2
5°	2013.9	1246.7	1084.7	797.3	512.9	386.3	279.9	96.1	49.7	31.4	18.6
2.5°	2182.0	1345.3	1199.3	900.3	584.7	443.7	331.9	114.0	55.1	34.0	19.0
0°	2318.1	1437.3	1304.1	994.7	653.1	498.4	380.3	131.1	60.2	36.5	19.3
-2.5°	2346.1	1489.6	1340.5	1048.3	717.2	552.0	419.3	159.4	79.9	48.4	25.7
-5°	2340.5	1535.7	1368.7	1092.7	776.4	601.7	451.8	185.7	98.8	59.9	31.9
-7.5°	2333.5	1557.7	1383.4	1124.7	829.9	646.9	477.2	209.6	116.6	70.5	37.6
-10°	2282.5	1562.5	1379.7	1120.3	841.3	665.5	491.3	230.8	132.7	80.1	42.8
-12.5°	2171.6	1561.6	1370.1	1106.1	838.4	659.6	476.6	245.5	146.8	88.5	47.1
-15°	1994.9	1555.0	1355.1	1082.2	826.9	649.9	459.4	255.8	158.2	96.1	50.5
-17.5°	1735.9	1542.9	1335.4	1048.4	806.1	636.4	440.6	263.1	167.7	102.8	53.7
-20°	1614.0	1483.6	1307.5	1004.8	775.5	619.2	421.1	267.4	175.3	107.7	56.4



REPORT NUMBER: P701708 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1524.0	1385.5	1206.4	964.6	742.7	598.2	401.8	268.4	180.8	110.7	57.8
-25°	1419.6	1284.8	1098.9	890.6	715.3	567.7	391.6	266.1	184.1	111.5	57.8
-27.5°	1306.9	1178.3	996.9	816.7	674.7	540.1	386.7	268.5	185.1	110.1	56.3
-30°	1193.4	1067.2	910.2	750.1	632.3	502.4	377.8	268.5	183.2	107.8	53.2
-32.5°	1106.3	966.4	829.0	701.3	588.0	464.1	356.7	265.4	178.2	104.1	50.9
-35°	1024.4	884.7	752.8	651.3	543.6	432.1	331.9	259.3	170.0	98.2	48.2
-37.5°	939.1	810.3	697.6	601.7	499.8	397.5	311.9	240.0	158.6	89.8	44.1
-40°	856.8	742.0	645.1	554.8	458.5	360.5	289.9	218.0	146.2	79.1	38.8
-42.5°	774.3	682.5	593.3	508.5	415.5	333.9	265.7	194.5	128.8	70.0	32.1
-45°	707.5	621.6	539.5	458.1	372.6	305.6	238.2	170.0	109.3	60.9	27.1
-47.5°	638.7	560.0	485.1	407.6	339.3	274.8	209.1	146.5	88.6	50.0	25.5
-50°	569.5	500.0	432.1	365.9	304.0	241.4	179.1	121.2	73.8	37.1	23.6
-52.5°	512.1	445.6	384.5	325.7	266.2	206.4	149.1	95.3	58.0	31.0	21.3
-55°	459.2	394.7	339.2	283.1	226.5	170.7	117.2	76.0	41.1	27.7	18.9
-57.5°	408.9	345.7	291.4	238.4	184.6	133.0	90.3	55.5	33.7	24.0	18.6
-60°	357.2	294.7	241.6	189.8	139.9	98.6	65.7	39.1	28.9	20.7	18.3
-62.5°	294.1	238.0	184.8	137.6	100.1	69.0	43.4	33.0	23.8	19.9	17.8
-65°	222.0	171.0	125.6	94.5	65.2	44.0	35.6	26.5	21.7	19.0	17.2
-67.5°	142.9	110.9	80.8	54.0	42.9	35.5	27.6	23.1	20.2	18.0	16.6
-70°	85.5	59.1	46.7	40.4	33.8	27.6	24.0	20.9	18.6	17.1	15.9
-72.5°	48.5	42.4	36.6	31.2	27.6	24.3	21.2	18.8	17.3	16.1	15.2
-75°	35.6	32.3	29.5	26.7	23.7	20.9	18.8	17.1	16.0	15.1	14.5
-77.5°	28.7	26.4	24.3	22.4	20.4	18.5	16.8	15.4	14.8	14.4	13.9
-80°	22.3	20.9	19.9	18.9	17.4	16.0	15.1	14.3	14.0	13.7	13.3
-82.5°	15.8	15.9	16.0	15.9	15.2	14.5	13.9	13.5	13.2	12.9	12.7
-85°	13.8	13.8	13.7	13.5	13.2	12.9	12.9	12.9	12.8	12.5	12.2
-87.5°	12.2	12.1	12.0	12.0	12.1	12.4	12.6	12.9	12.6	12.2	11.7
-90°	8.6	8.6	8.6	8.6	9.1	9.7	10.2	10.7	10.7	10.7	10.7



REPORT NUMBER: P701708 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.7	10.7	10.7	10.7	10.7	10.7	10.7
87.5°	10.7	10.8	10.9	10.9	10.9	10.7	10.7
85°	10.7	10.9	11.1	11.1	11.1	10.8	10.7
82.5°	10.7	11.1	11.3	11.3	11.3	10.8	10.7
80°	10.8	11.2	11.5	11.6	11.5	10.9	10.7
77.5°	11.4	11.4	11.7	11.8	11.6	10.9	10.7
75°	11.9	11.8	11.9	12.0	11.8	11.0	10.7
72.5°	12.5	12.1	12.1	12.3	12.0	11.0	10.7
70°	12.9	12.5	12.3	12.5	12.1	11.1	10.7
67.5°	12.9	12.8	12.5	12.5	12.3	11.1	10.7
65°	12.9	12.9	12.6	12.6	12.4	11.1	10.7
62.5°	12.9	12.9	12.8	12.7	12.5	11.2	10.7
60°	12.9	12.9	12.9	12.7	12.6	11.2	10.7
57.5°	12.9	12.9	12.9	12.8	12.6	11.2	10.7
55°	12.9	12.9	12.9	12.8	12.6	11.2	10.7
52.5°	12.9	12.9	12.9	12.9	12.5	11.2	10.7
50°	12.9	12.9	12.9	12.9	12.5	11.2	10.7
47.5°	12.9	12.9	12.9	12.9	12.5	11.2	10.7
45°	13.1	12.9	12.9	12.9	12.5	11.3	10.7
42.5°	13.3	12.9	12.9	12.9	12.5	11.2	10.7
40°	13.5	12.9	12.9	12.9	12.5	11.2	10.7
37.5°	13.8	12.9	12.9	12.9	12.5	11.2	10.7
35°	14.1	13.0	12.9	12.9	12.6	11.2	10.7
32.5°	14.3	13.3	12.9	12.9	12.6	11.2	10.7
30°	14.4	13.5	12.9	12.9	12.6	11.2	10.7
27.5°	14.6	13.7	12.9	12.9	12.6	11.2	10.7
25°	14.7	14.0	12.9	12.9	12.7	11.1	10.7
22.5°	14.8	14.2	12.9	12.9	12.7	11.1	10.7
20°	15.0	14.4	12.9	12.9	12.7	11.1	10.7
17.5°	15.1	14.5	12.9	12.9	12.8	11.0	10.7
15°	15.4	14.6	12.9	12.9	12.8	11.0	10.7
12.5°	15.6	14.7	12.9	12.9	12.8	10.9	10.7
10°	15.9	14.8	12.9	12.9	12.8	10.9	10.7
7.5°	16.2	14.9	12.9	12.9	12.9	10.8	10.7
5°	16.6	15.0	12.9	12.9	12.9	10.8	10.7
2.5°	16.9	15.0	12.9	12.9	12.9	10.7	10.7
0°	17.2	15.0	12.9	12.9	12.9	10.7	10.7
-2.5°	18.9	15.0	12.9	12.9	12.9	10.7	10.7
-5°	20.5	15.0	12.9	12.9	12.9	10.7	10.7
-7.5°	22.0	14.9	12.9	12.9	12.9	10.7	10.7
-10°	23.2	14.8	12.9	12.9	12.8	10.7	10.7
-12.5°	24.2	14.7	12.9	12.9	12.8	10.7	10.7
-15°	24.8	14.6	12.9	12.9	12.7	10.7	10.7
-17.5°	25.1	14.5	12.9	12.9	12.7	10.7	10.7
-20°	25.5	14.4	12.9	12.9	12.6	10.7	10.7



REPORT NUMBER: P701708 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-3S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	26.2	14.2	12.9	12.9	12.6	10.7	10.7
-25°	26.2	14.4	12.9	12.9	12.5	10.7	10.7
-27.5°	25.5	14.7	12.9	12.9	12.4	10.7	10.7
-30°	24.0	14.9	12.9	12.9	12.3	10.7	10.7
-32.5°	21.7	14.9	13.1	12.9	12.2	10.7	10.7
-35°	20.8	14.7	13.3	12.9	12.1	10.7	10.7
-37.5°	20.6	14.6	13.4	12.9	12.0	10.7	10.7
-40°	20.1	14.8	13.5	12.9	11.9	10.7	10.7
-42.5°	19.4	14.9	13.6	12.9	11.7	10.7	10.7
-45°	18.4	15.0	13.7	13.0	11.6	10.7	10.7
-47.5°	17.1	15.1	13.8	13.0	11.5	10.7	10.7
-50°	16.9	15.1	13.8	12.9	11.3	10.7	10.7
-52.5°	16.8	15.1	13.8	12.7	11.2	10.7	10.7
-55°	16.7	15.0	13.8	12.5	11.0	10.7	10.7
-57.5°	16.5	14.9	13.7	12.3	10.9	10.7	10.7
-60°	16.3	14.8	13.7	12.1	10.7	10.7	10.7
-62.5°	16.0	14.6	13.4	11.9	10.7	10.7	10.7
-65°	15.7	14.4	13.1	11.7	10.7	10.7	10.7
-67.5°	15.3	14.1	12.8	11.4	10.7	10.7	10.7
-70°	14.9	13.7	12.5	11.2	10.7	10.7	10.7
-72.5°	14.4	13.3	12.1	11.1	10.7	10.7	10.7
-75°	13.9	12.9	11.8	11.1	10.7	10.7	10.7
-77.5°	13.4	12.4	11.6	11.0	10.7	10.7	10.7
-80°	12.9	12.1	11.4	11.0	10.7	10.7	10.7
-82.5°	12.4	11.8	11.3	10.9	10.7	10.7	10.7
-85°	11.8	11.4	11.1	10.8	10.7	10.7	10.7
-87.5°	11.3	11.1	10.9	10.8	10.7	10.7	10.7
-90°	10.7	10.7	10.7	10.7	10.7	10.7	10.7

(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

