

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: P701569 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-70-4S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701569 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-23)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-57-70-4S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

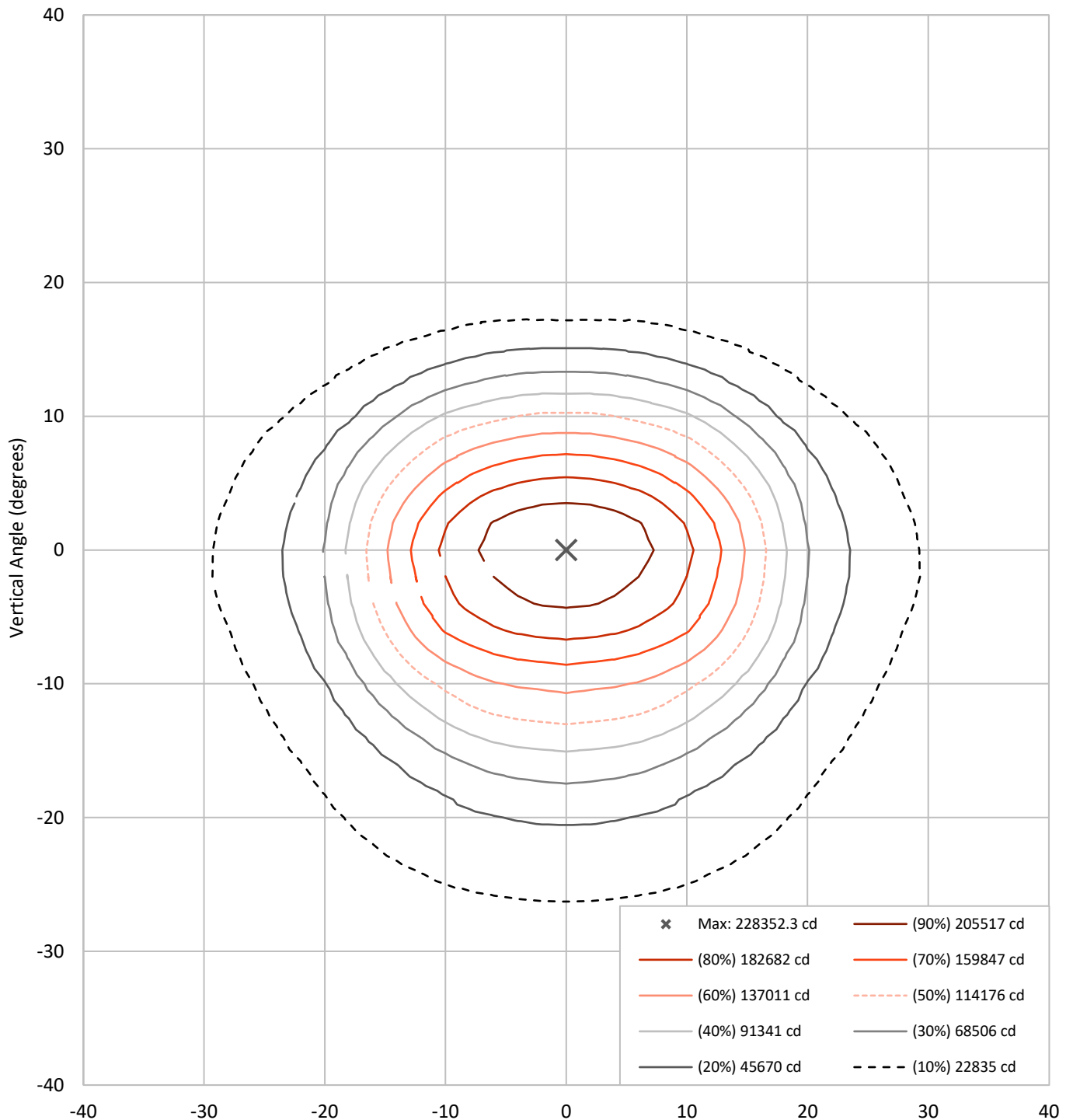
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 3V
Luminaire Lumens:	60281 lumens	Max Intensity:	228352.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	91.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.1°H x 23.4°V	Field Angle (10%):	58.5°H x 43.2°V
Beam Lumens:	30500.2 lumens	Field Lumens:	51987.1 lumens
Beam Efficiency:	50.6%	Field Efficiency:	86.2%

Input Watts (W): 658
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





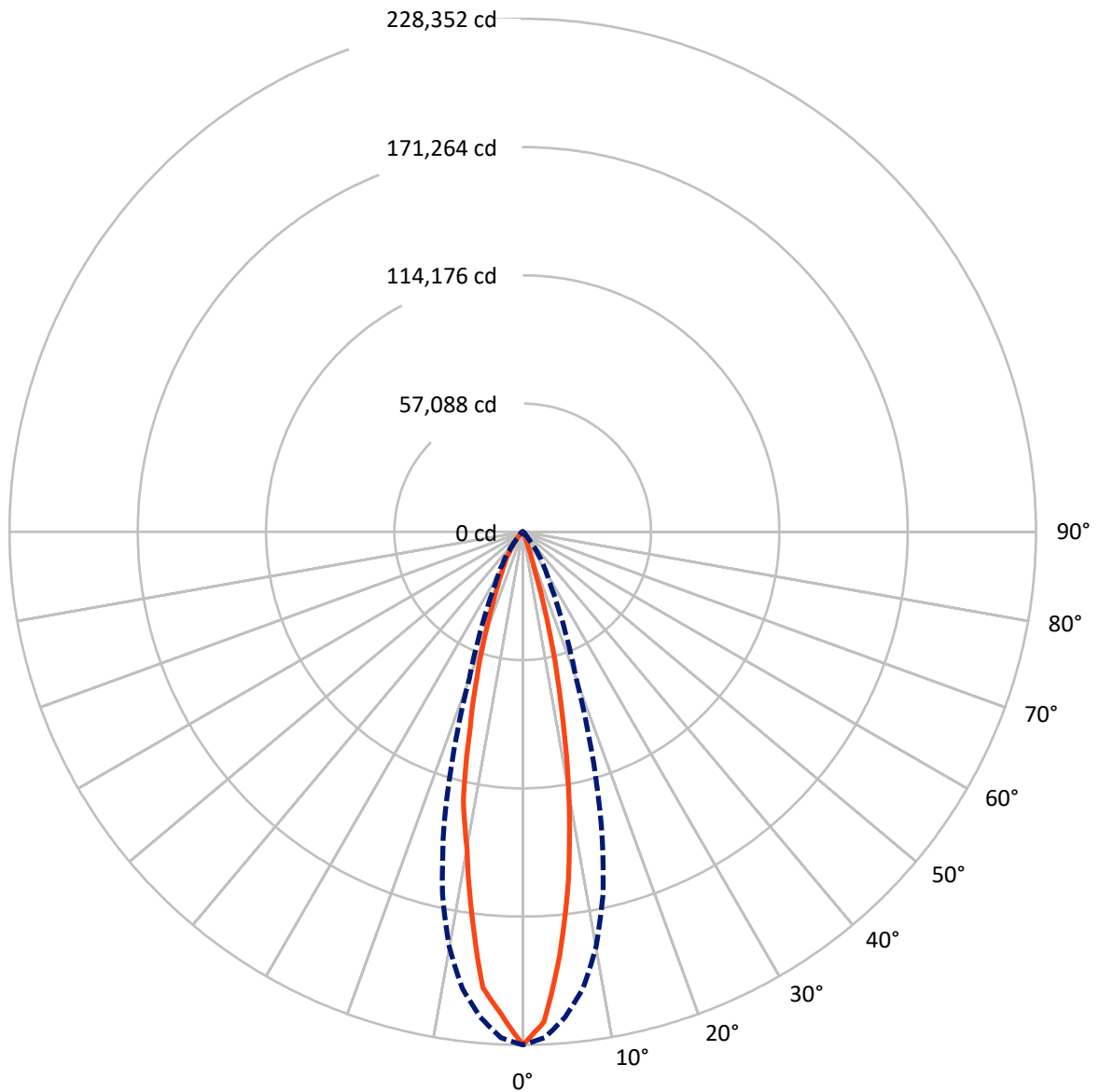
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Lumen Table

90	0.2		0.5		0.8		0.8		0.6		0.8		0.8		0.5		0.2	
80	0.2		0.5		0.8		0.8		0.6		0.8		0.8		0.5		0.2	
70	0.2	0.1	0.2	0.5	0.7	0.5	0.3	0.3	0.3	0.3	0.5	0.7	0.5	0.2	0.1	0.2	0.2	0.2
60		0.1	0.3	0.9	0.8	0.3	0.2	0.2	0.2	0.2	0.3	0.8	0.9	0.3	0.1			
50	0.2	0.2	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.2	0.2	0.2	0.2
40		0.2	0.6	0.9	1.3	2.6	4.7	6.9	6.9	4.7	2.6	1.3	0.9	0.6	0.2			
30	0.3	0.4	1.6	3.4	9.1	25.2	52.1	86.5	86.5	52.1	25.2	9.1	3.4	1.6	0.4	0.3	0.3	0.3
20		1.0	5.2	13.6	81.4	254.2	774.5	1447.6	1447.6	774.5	254.2	81.4	13.6	5.2	1.0			
10	0.4	1.9	10.4	34.3	252.5	889.6	3079.9	5241.2	5241.2	3079.9	889.6	252.5	34.3	10.4	1.9	0.4	0.4	0.4
0		2.6	12.9	41.2	281.4	981.6	3392.4	5568.8	5568.8	3392.4	981.6	281.4	41.2	12.9	2.6			
-10	0.5	2.8	11.4	28.9	166.7	541.0	1501.3	2638.4	2638.4	1501.3	541.0	166.7	28.9	11.4	2.8	0.5	0.5	0.5
-20		2.7	9.6	19.3	69.7	270.4	557.3	811.6	811.6	557.3	270.4	69.7	19.3	9.6	2.7			
-30	0.4	2.2	8.1	15.1	28.3	84.2	191.2	271.3	271.3	191.2	84.2	28.3	15.1	8.1	2.2	0.4	0.4	0.4
-40		1.4	5.8	12.4	20.2	30.1	43.5	57.1	57.1	43.5	30.1	20.2	12.4	5.8	1.4			
-50	0.3	0.7	3.0	7.9	14.2	19.8	24.4	27.3	27.3	24.4	19.8	14.2	7.9	3.0	0.7	0.3	0.3	0.3
-60		0.3	1.1	3.0	5.9	9.6	12.9	14.8	14.8	12.9	9.6	5.9	3.0	1.1	0.3			
-70	0.2	0.9	2.9	7.4	10.6	7.4	2.9	0.9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
-80		0.2	0.9	2.9	7.4	10.6	7.4	2.9	0.9									
-90	0.2		0.9		2.9		7.4		10.6		7.4		2.9		0.9		0.2	

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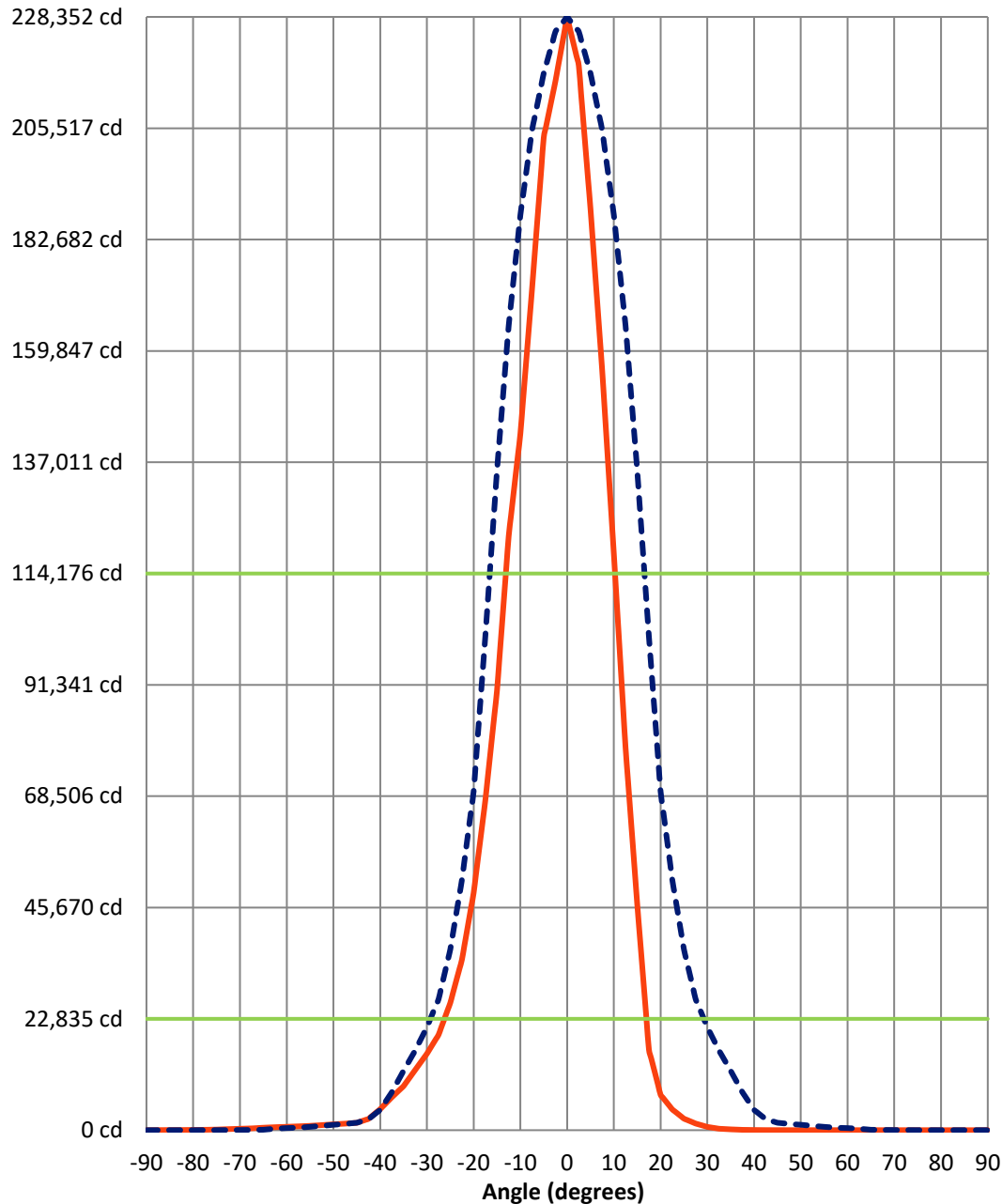
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.1°
 V Angle: 23.4°
 Lumens: 30500.2
 Efficiency: 50.6%

Field:
 H Angle: 58.5°
 V Angle: 43.2°
 Lumens: 51987.1
 Efficiency: 86.2%

Spill:
 Lumens: 8293.9
 Efficiency: 13.8%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8.3	9.3	10.4	9.9	9.4	8.8	8.3	8.8	9.4	9.9	10.4
87.5°	8.3	8.4	8.5	8.6	8.7	8.8	8.8	8.8	8.7	8.5	8.3
85°	8.3	8.5	8.7	8.8	9.0	9.2	9.4	9.3	9.0	8.7	8.3
82.5°	8.3	8.6	8.8	9.1	9.4	9.7	9.9	9.7	9.4	9.1	8.9
80°	8.3	8.7	9.0	9.4	9.8	10.1	10.4	10.0	9.8	9.7	9.8
77.5°	8.3	8.8	9.2	9.7	10.1	10.4	10.4	10.2	10.1	10.3	10.4
75°	8.3	8.8	9.4	9.9	10.4	10.4	10.4	10.3	10.4	10.4	10.4
72.5°	8.3	8.9	9.6	10.2	10.4	10.4	10.4	10.4	10.4	10.4	10.4
70°	8.3	9.0	9.7	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
67.5°	8.3	9.1	9.9	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
65°	8.3	9.2	10.1	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
62.5°	8.3	9.3	10.2	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
60°	8.3	9.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
57.5°	8.3	9.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
55°	8.3	9.5	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
52.5°	8.3	9.6	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
50°	8.3	9.6	10.4	10.4	10.4	10.4	10.4	10.5	10.4	10.4	11.3
47.5°	8.3	9.7	10.4	10.4	10.4	10.4	10.4	10.7	10.4	10.4	12.3
45°	8.3	9.8	10.4	10.4	10.4	10.4	10.6	10.9	10.5	11.1	13.1
42.5°	8.3	9.8	10.4	10.4	10.4	10.4	10.8	11.0	10.6	11.6	13.6
40°	8.3	9.9	10.4	10.4	10.4	10.4	11.0	11.1	10.9	12.1	14.0
37.5°	8.3	10.0	10.4	10.4	10.4	10.4	11.3	11.3	11.6	12.9	14.4
35°	8.3	10.0	10.4	10.4	10.4	10.5	11.6	11.4	12.1	13.8	14.8
32.5°	8.3	10.1	10.4	10.4	10.4	10.8	11.8	11.5	12.7	14.9	16.3
30°	8.3	10.1	10.4	10.4	10.4	11.0	11.9	11.7	13.3	16.3	18.1
27.5°	8.3	10.2	10.4	10.4	10.4	11.2	12.1	12.2	14.0	17.8	20.1
25°	8.3	10.2	10.4	10.4	10.4	11.5	12.2	12.6	15.1	19.4	22.4
22.5°	8.3	10.2	10.4	10.4	10.4	11.7	12.3	13.1	16.4	21.2	26.8
20°	8.3	10.3	10.4	10.4	10.4	11.9	12.5	13.4	17.7	23.1	31.5
17.5°	8.3	10.3	10.4	10.4	10.4	12.0	12.6	13.8	19.0	25.1	36.4
15°	8.3	10.3	10.4	10.4	10.4	12.1	12.8	14.4	20.3	27.2	41.4
12.5°	8.3	10.4	10.4	10.4	10.4	12.2	13.1	15.4	22.2	29.3	46.5
10°	8.3	10.4	10.4	10.4	10.4	12.3	13.4	16.5	24.6	33.5	53.1
7.5°	8.3	10.4	10.4	10.4	10.4	12.4	13.7	17.6	26.9	38.2	63.0
5°	8.3	10.4	10.4	10.4	10.4	12.5	14.0	18.7	29.2	43.0	73.0
2.5°	8.3	10.4	10.4	10.4	10.4	12.5	14.3	19.8	31.3	47.6	82.6
0°	8.3	10.4	10.4	10.4	10.4	12.5	14.3	19.8	31.3	47.6	82.6
-2.5°	8.3	10.4	10.4	10.4	10.4	12.7	16.0	23.7	39.3	63.1	108.2
-5°	8.3	10.4	10.4	10.4	10.4	12.9	17.3	26.5	44.9	73.5	123.7
-7.5°	8.3	10.4	10.4	10.4	10.4	13.1	18.5	29.0	50.0	83.1	137.7
-10°	8.3	10.4	10.4	10.4	10.4	13.2	19.5	31.3	54.5	91.5	150.0
-12.5°	8.3	10.4	10.4	10.4	10.4	13.3	20.4	33.3	58.3	98.8	160.9
-15°	8.3	10.3	10.4	10.4	10.4	13.3	21.0	34.9	61.9	105.8	169.9
-17.5°	8.3	10.3	10.4	10.4	10.4	13.2	21.4	36.6	65.2	111.1	176.7
-20°	8.3	10.3	10.4	10.4	10.4	13.1	21.8	38.2	67.3	114.6	180.9



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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°	8.3	10.3	10.4	10.4	10.4	12.9	22.3	39.3	68.0	116.1	182.5
-25°	8.3	10.2	10.4	10.4	10.4	12.9	22.3	39.8	67.3	115.5	181.2
-27.5°	8.3	10.2	10.4	10.4	10.4	12.9	22.0	39.7	65.1	113.5	180.1
-30°	8.3	10.2	10.4	10.4	10.4	12.7	21.2	39.0	63.6	110.8	176.3
-32.5°	8.3	10.2	10.4	10.4	10.6	12.4	20.0	38.0	62.7	106.0	169.4
-35°	8.3	10.1	10.4	10.4	10.7	11.9	19.2	36.5	60.8	98.9	159.5
-37.5°	8.3	10.1	10.4	10.4	10.9	11.5	18.6	34.3	58.0	89.5	143.7
-40°	8.3	10.1	10.4	10.4	11.0	11.7	17.7	31.4	54.3	83.5	127.9
-42.5°	8.3	10.0	10.4	10.4	11.1	11.9	16.5	27.8	50.1	76.6	110.9
-45°	8.3	10.0	10.4	10.5	11.2	12.0	15.0	24.6	45.1	68.6	94.2
-47.5°	8.3	10.0	10.4	10.5	11.3	12.2	13.3	22.5	39.2	59.8	84.2
-50°	8.3	9.9	10.4	10.5	11.3	12.3	13.2	20.0	31.7	51.1	73.2
-52.5°	8.3	9.9	10.4	10.6	11.3	12.5	13.3	17.2	26.7	42.0	61.6
-55°	8.3	9.9	10.4	10.6	11.3	12.5	13.5	14.4	22.8	32.2	50.5
-57.5°	8.3	9.8	10.4	10.6	11.2	12.4	13.6	14.6	18.8	26.6	38.8
-60°	8.3	9.8	10.4	10.6	11.2	12.2	13.7	14.7	15.6	22.2	29.1
-62.5°	8.3	9.8	10.4	10.5	11.1	12.1	13.5	14.7	15.4	17.7	24.3
-65°	8.3	9.7	10.4	10.5	11.0	11.9	13.1	14.4	15.0	16.3	19.4
-67.5°	8.3	9.7	10.4	10.5	10.9	11.6	12.8	13.9	14.6	15.5	17.1
-70°	8.3	9.7	10.4	10.4	10.7	11.4	12.4	13.3	13.9	14.6	15.8
-72.5°	8.3	9.6	10.4	10.4	10.6	11.1	11.9	12.7	13.3	13.9	14.4
-75°	8.3	9.6	10.4	10.3	10.4	10.8	11.5	12.0	12.6	13.1	13.6
-77.5°	8.3	9.6	10.4	10.2	10.3	10.5	11.0	11.4	11.9	12.3	12.7
-80°	8.3	9.5	10.4	10.2	10.1	10.2	10.5	10.8	11.2	11.5	11.8
-82.5°	8.3	9.5	10.4	10.1	9.9	9.9	9.9	10.2	10.4	10.7	11.0
-85°	8.3	9.4	10.4	10.0	9.7	9.5	9.4	9.8	10.1	10.3	10.4
-87.5°	8.3	9.4	10.4	9.9	9.5	9.2	8.8	9.3	9.7	10.1	10.4
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



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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°	9.9	9.4	8.8	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.8	7.3	6.8
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.0	7.8	7.7
82.5°	8.9	8.8	8.6	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
80°	9.7	9.4	8.9	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	10.0	9.5	9.0	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.3
75°	10.0	9.5	9.0	8.5	8.3	8.3	8.4	8.8	9.0	9.0	8.8
72.5°	10.1	9.6	9.1	8.6	8.8	9.3	9.7	10.2	10.7	11.0	11.3
70°	10.2	9.7	9.5	9.6	10.0	10.6	11.5	12.7	13.8	14.5	15.9
67.5°	10.3	10.0	10.1	10.5	11.2	12.3	13.6	16.3	19.2	20.8	22.5
65°	10.4	10.3	10.7	11.4	12.4	15.0	18.1	21.4	26.5	29.5	30.8
62.5°	10.4	10.6	11.1	12.6	15.6	18.9	23.1	28.8	35.8	40.6	40.8
60°	10.4	10.7	12.4	15.4	18.7	22.7	28.4	36.2	46.4	54.1	49.3
57.5°	10.4	11.6	14.6	17.7	21.3	25.9	33.3	43.3	53.0	63.3	54.3
55°	10.9	13.3	16.2	19.4	23.5	28.6	36.3	44.7	55.3	58.3	48.1
52.5°	12.3	14.7	17.2	20.7	25.3	29.7	34.6	41.9	45.2	45.9	38.2
50°	13.6	15.4	17.7	21.6	26.0	29.2	30.3	34.5	34.8	31.6	27.4
47.5°	14.3	16.1	17.9	22.1	26.0	27.9	27.4	26.4	24.2	22.4	17.4
45°	14.9	16.7	18.5	22.5	25.8	26.5	24.1	19.1	19.9	17.7	16.4
42.5°	15.4	17.3	20.1	23.2	25.3	25.1	21.7	20.2	18.7	18.3	17.8
40°	15.9	17.9	22.0	24.8	25.4	24.6	24.7	23.6	20.3	21.6	21.8
37.5°	16.4	19.9	24.8	29.0	26.1	27.6	29.5	30.0	28.2	27.6	30.4
35°	16.8	22.0	30.3	35.0	32.4	33.4	37.3	39.0	39.4	39.2	41.4
32.5°	18.2	24.4	37.7	42.2	43.5	44.2	46.9	50.9	55.5	57.4	55.0
30°	21.1	31.2	46.2	51.0	56.4	64.2	62.5	65.6	75.8	79.9	83.8
27.5°	25.9	40.1	54.6	62.9	72.6	90.3	96.6	90.2	98.9	107.2	119.7
25°	31.3	62.6	64.1	76.4	98.1	124.8	141.9	149.2	129.8	144.2	177.8
22.5°	43.4	92.0	97.9	90.8	127.7	167.1	200.7	218.7	216.3	202.3	247.5
20°	64.9	121.7	137.4	140.4	168.5	215.6	267.9	298.5	327.4	377.8	510.1
17.5°	90.0	154.7	179.5	204.7	255.7	297.6	342.3	387.7	456.2	606.1	1055.1
15°	118.0	190.2	223.4	274.5	350.5	420.5	475.1	515.7	636.9	951.0	1744.9
12.5°	147.7	227.6	268.7	348.4	450.4	549.7	627.1	709.1	912.9	1530.5	2841.8
10°	178.3	266.1	314.8	424.8	553.6	683.1	783.5	906.9	1225.4	2186.6	4038.9
7.5°	212.3	307.2	361.9	502.0	658.0	818.2	941.9	1106.2	1544.3	2849.7	5243.5
5°	245.2	350.2	412.0	568.7	745.8	937.0	1089.7	1303.2	1859.8	3492.3	6414.1
2.5°	275.5	391.9	461.0	629.6	819.6	1027.2	1190.6	1421.1	2078.2	3914.6	7275.8
0°	302.1	431.3	508.4	685.5	887.6	1110.6	1285.6	1529.4	2254.5	4169.4	7790.8
-2.5°	312.3	446.5	527.9	699.6	897.1	1124.8	1303.1	1538.9	2308.6	4272.7	7866.6
-5°	318.1	458.1	545.0	708.9	900.4	1130.2	1313.4	1538.7	2295.1	4183.2	7496.8
-7.5°	319.9	466.0	559.5	710.1	883.4	1094.0	1262.0	1458.0	2114.2	3813.4	6699.6
-10°	318.1	464.8	555.1	683.9	839.3	1030.2	1193.2	1369.7	1905.6	3349.4	5813.0
-12.5°	312.3	456.3	546.8	656.2	793.6	961.7	1120.9	1275.7	1674.0	2797.2	4899.9
-15°	304.4	446.3	538.1	628.1	747.6	889.8	1046.3	1176.9	1433.0	2208.0	3993.5
-17.5°	295.1	435.1	529.4	600.5	702.6	815.3	973.5	1094.5	1255.2	1832.4	3264.3
-20°	284.8	423.3	521.2	574.2	660.6	758.8	903.3	1026.3	1162.2	1536.3	2482.3



REPORT NUMBER: P701569 (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°	274.1	411.2	509.4	559.6	633.0	719.9	832.7	954.2	1067.7	1209.5	1818.4
-25°	268.8	393.4	491.7	549.7	607.3	682.1	764.5	878.4	979.8	1116.0	1467.4
-27.5°	266.2	376.7	470.7	538.5	582.2	647.6	715.9	803.9	919.9	1040.3	1167.7
-30°	260.0	352.1	449.3	523.0	566.3	619.5	676.7	751.4	862.3	973.4	1086.0
-32.5°	244.7	325.7	421.6	498.2	551.7	593.0	648.5	717.1	806.2	908.2	1009.3
-35°	225.0	302.7	390.2	473.3	535.0	575.2	625.6	684.5	754.2	845.7	953.6
-37.5°	205.3	277.2	357.6	443.6	508.1	561.0	601.2	654.7	715.3	787.8	894.0
-40°	183.2	249.1	326.0	406.7	482.3	540.4	585.2	625.6	678.0	749.2	825.2
-42.5°	159.6	222.4	292.8	368.3	443.5	510.1	566.9	605.1	649.5	711.2	780.5
-45°	139.6	193.1	257.6	327.1	397.9	471.2	531.7	587.2	627.7	674.6	736.2
-47.5°	118.5	163.8	222.4	283.3	349.9	418.6	489.3	548.1	605.3	648.0	691.7
-50°	98.7	139.2	184.2	240.8	299.6	363.5	429.4	499.1	559.1	614.4	662.0
-52.5°	85.2	113.5	153.3	197.9	250.8	306.3	368.0	432.0	498.0	560.8	610.3
-55°	70.8	94.8	122.9	160.7	203.2	252.1	305.1	364.0	422.2	483.7	540.2
-57.5°	56.8	77.4	99.3	125.8	161.6	199.9	246.7	295.6	348.9	401.6	446.5
-60°	43.0	60.8	80.3	100.1	122.1	155.5	189.5	230.7	276.0	319.8	359.2
-62.5°	30.3	44.9	61.9	79.6	97.4	114.7	142.0	172.8	203.7	240.7	275.2
-65°	25.2	31.4	43.8	59.4	75.5	91.5	107.2	122.4	148.0	174.1	198.3
-67.5°	20.0	25.5	31.2	39.0	53.1	67.4	82.3	96.2	109.8	122.9	138.1
-70°	17.7	20.0	24.5	29.7	35.0	42.2	54.7	67.7	81.1	94.5	106.1
-72.5°	16.0	18.1	20.2	22.3	26.6	31.1	35.5	39.8	48.2	59.7	71.4
-75°	14.6	16.2	18.2	20.1	21.9	23.7	26.0	29.9	33.7	37.6	41.6
-77.5°	13.4	14.4	15.8	17.6	19.3	20.7	22.2	23.9	25.7	27.6	29.6
-80°	12.2	12.5	13.2	14.3	15.6	17.0	18.3	19.6	20.9	22.2	23.6
-82.5°	11.2	11.4	11.7	11.9	12.5	13.3	14.2	15.3	16.0	16.7	17.5
-85°	10.4	10.4	10.6	10.7	11.0	11.3	11.7	12.1	12.4	12.6	12.9
-87.5°	10.1	9.9	9.7	9.5	9.6	9.6	9.7	9.8	9.8	9.9	10.0
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.8	7.3	6.8



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.3	9.4	10.4	11.4	12.5	13.5	14.6	15.7	16.7	17.7	18.8
87.5°	6.3	6.3	6.3	6.3	6.3	5.8	5.3	4.7	4.2	3.7	3.2
85°	7.6	7.3	7.0	6.7	6.3	5.8	5.3	4.7	4.2	3.7	3.2
82.5°	8.3	7.8	7.3	6.8	6.3	5.8	5.3	4.8	4.2	3.7	3.2
80°	8.3	7.9	7.4	6.9	6.4	5.8	5.3	4.8	4.2	3.7	3.2
77.5°	8.3	7.9	7.4	6.9	6.4	5.9	5.3	4.8	4.3	4.1	4.1
75°	8.5	8.1	8.1	7.8	7.4	7.0	6.7	6.3	6.0	5.6	5.2
72.5°	11.5	11.5	11.2	10.9	10.3	9.7	9.3	8.8	8.1	7.6	7.2
70°	17.1	17.7	17.2	16.1	14.3	12.8	11.9	11.1	10.2	9.3	8.5
67.5°	23.7	23.7	22.1	19.9	16.9	14.2	13.1	12.0	10.9	10.3	10.2
65°	30.7	28.7	25.8	22.3	18.3	14.4	13.3	12.2	11.0	10.4	10.4
62.5°	38.5	32.2	25.9	21.3	17.6	14.4	12.9	11.4	9.9	8.9	8.7
60°	41.4	30.7	22.1	18.4	15.3	12.8	11.2	10.0	9.0	8.3	8.3
57.5°	40.1	27.4	17.9	14.8	12.5	10.9	9.8	8.8	7.8	7.0	6.7
55°	34.2	22.4	13.4	11.5	10.3	9.1	8.1	7.5	6.9	6.3	6.3
52.5°	25.1	17.1	12.0	10.0	9.4	8.8	8.2	8.0	7.9	7.6	7.4
50°	18.4	13.3	11.4	10.2	9.8	9.8	10.1	10.1	9.9	9.7	9.4
47.5°	15.0	13.0	11.7	10.5	10.8	11.7	12.2	12.2	12.1	11.8	11.5
45°	14.5	13.3	12.7	13.4	14.0	14.6	14.7	14.3	14.9	15.2	14.9
42.5°	16.0	16.1	17.3	18.4	17.7	18.9	20.1	20.0	21.0	21.7	21.7
40°	22.4	21.9	25.1	26.1	26.5	27.8	31.3	31.0	32.6	36.9	37.7
37.5°	32.2	33.9	36.1	38.2	43.7	47.3	54.3	59.8	62.8	71.1	77.6
35°	45.4	49.9	51.2	62.2	73.6	84.4	94.1	105.8	110.8	129.4	142.2
32.5°	64.3	73.6	86.3	104.6	126.2	151.8	150.7	189.8	203.9	242.0	285.8
30°	90.0	116.1	157.7	186.6	239.6	281.3	302.4	363.4	445.3	523.6	630.2
27.5°	146.2	201.4	276.6	376.0	427.7	490.6	585.5	658.5	845.5	1024.2	1155.4
25°	251.6	367.2	509.3	656.0	747.9	830.2	1003.8	1131.2	1396.4	1595.4	1879.5
22.5°	481.0	728.2	908.0	1017.0	1214.0	1471.6	1596.8	1947.0	2340.3	2842.3	3257.2
20°	810.6	1199.4	1600.3	1845.0	2070.0	2638.9	2888.2	3544.4	4380.3	5325.0	6112.6
17.5°	1586.2	1941.4	2757.4	3552.4	4150.5	4712.1	6288.6	7414.7	9600.3	12275.3	13509.1
15°	2846.3	3839.2	4791.3	6233.4	7759.6	9457.5	11931.3	16202.2	21566.5	27415.9	33742.9
12.5°	4614.3	6426.7	8129.9	9945.2	12130.1	16302.2	21942.5	29401.8	39040.4	49381.9	61322.4
10°	6600.5	9358.8	11846.6	14587.3	18466.8	24665.0	33025.1	44532.2	61697.1	79242.8	94462.1
7.5°	8379.3	11719.9	15094.3	19061.3	25210.7	34063.2	46090.8	64057.7	86473.4	108186.4	126700.2
5°	10083.8	13986.2	17832.5	22560.7	30310.9	41864.2	57430.2	82078.9	110416.2	134508.5	154798.8
2.5°	11411.9	15759.6	20161.1	25721.9	34564.2	47709.4	65389.3	95223.2	129425.1	156144.5	179345.2
0°	12172.7	16342.1	21120.0	26881.3	37055.8	51374.7	69506.7	101274.1	135335.7	165028.9	187702.2
-2.5°	12023.7	16392.7	21277.3	27105.6	36749.5	50496.9	68371.0	98674.9	132576.6	159344.6	181314.7
-5°	11264.7	15261.9	19568.4	24681.8	33191.3	45717.9	63267.8	91745.2	123207.9	149982.4	172311.6
-7.5°	10081.0	13615.7	17364.6	21815.3	29012.0	39911.9	54997.3	77170.4	105046.5	129295.9	146031.9
-10°	8789.1	11899.4	15282.4	19310.1	24986.3	33531.3	44961.2	60978.6	83777.8	103984.0	119508.0
-12.5°	7564.2	10391.8	13334.7	16697.9	20994.2	27724.5	36411.5	48369.8	63066.6	79676.5	95533.3
-15°	6389.5	8872.6	11440.7	14553.8	18290.2	22856.4	28696.4	36742.1	46397.8	57284.2	69027.9
-17.5°	5271.2	7451.5	9867.7	12586.0	15673.6	19162.3	24060.0	29577.2	35707.0	42800.3	49525.4
-20°	4135.4	6150.0	8342.4	10762.5	13532.6	16712.9	20198.0	24342.3	28777.1	33623.4	38654.2



REPORT NUMBER: P701569 (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°	3156.3	4872.8	6791.1	8994.4	11595.1	14398.5	17101.8	19821.9	23102.9	26299.2	29509.3
-25°	2210.2	3571.4	5362.6	7468.7	9677.0	12020.0	14026.3	15943.7	18222.1	20271.3	22405.2
-27.5°	1625.5	2560.8	4042.0	5909.9	7890.4	9497.5	11186.6	12759.3	14409.2	15709.8	17212.8
-30°	1239.6	1778.1	2878.7	4335.7	5924.7	7325.1	8628.7	10052.9	11409.5	12538.6	13483.6
-32.5°	1130.5	1335.7	1892.9	2907.8	4056.4	5299.0	6426.9	7666.6	8804.5	9743.7	10495.9
-35°	1062.5	1173.8	1336.2	1848.5	2522.0	3503.1	4444.2	5459.4	6402.6	7177.4	7800.3
-37.5°	1004.4	1102.1	1197.9	1294.1	1665.2	2078.9	2758.2	3493.0	4130.2	4838.6	5391.7
-40°	932.3	1041.8	1119.4	1198.5	1287.6	1391.1	1749.5	2071.4	2431.6	2931.8	3345.9
-42.5°	853.1	945.7	1042.2	1119.7	1188.3	1261.4	1342.6	1423.1	1588.8	1799.0	1970.1
-45°	801.2	862.1	932.2	1020.3	1100.6	1161.4	1221.7	1280.1	1335.5	1385.3	1426.9
-47.5°	745.2	797.0	853.8	914.3	973.8	1041.4	1104.9	1157.9	1199.8	1239.9	1275.7
-50°	695.4	733.7	781.7	828.6	875.5	923.5	970.9	1011.8	1052.4	1088.9	1124.6
-52.5°	655.2	687.4	718.9	750.4	788.4	825.5	860.6	892.1	920.8	945.8	972.1
-55°	587.3	628.0	668.2	696.3	720.3	743.5	766.6	792.7	815.5	835.1	853.6
-57.5°	495.2	544.4	589.2	622.1	653.2	682.5	702.8	717.8	732.3	746.0	758.6
-60°	397.4	434.3	477.3	519.4	558.2	593.5	616.3	635.6	652.0	665.7	677.8
-62.5°	307.1	338.7	373.8	407.8	439.1	470.1	500.3	526.6	549.2	568.3	584.0
-65°	223.7	251.3	281.1	310.0	337.6	364.8	389.8	412.6	433.2	451.6	468.7
-67.5°	159.2	179.5	201.1	220.7	242.7	266.5	290.1	311.2	329.9	344.8	355.9
-70°	117.1	128.6	142.8	159.6	177.8	195.0	211.9	228.2	243.7	257.0	269.0
-72.5°	83.2	95.1	106.4	117.0	128.3	139.5	151.1	163.1	175.3	185.5	194.4
-75°	45.6	51.5	61.1	70.4	79.5	88.1	95.8	102.5	108.4	113.2	117.4
-77.5°	32.4	36.3	40.3	44.2	47.9	52.4	57.2	62.0	66.7	70.5	74.0
-80°	25.1	27.2	29.6	32.1	34.6	37.8	41.0	44.2	47.5	49.8	52.0
-82.5°	18.4	19.9	21.6	23.1	24.7	26.6	28.6	30.5	32.4	33.7	35.0
-85°	13.1	14.1	15.3	16.4	17.6	19.3	21.1	22.8	24.5	25.7	26.9
-87.5°	10.0	10.7	11.3	11.9	12.5	14.0	15.6	17.1	18.7	19.3	19.8
-90°	6.3	6.3	6.3	6.3	6.3	5.8	5.3	4.7	4.2	3.7	3.2



REPORT NUMBER: P701569 (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°	19.8	20.8	20.8	20.8	20.8	20.8	19.8	18.8	17.7	16.7	15.7
87.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.2	3.7	4.2	4.7
85°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.2	3.7	4.2	4.7
82.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.2	3.7	4.2	4.8
80°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.2	3.7	4.2	4.8
77.5°	4.1	4.2	3.2	2.1	3.2	4.2	4.1	4.1	4.1	4.3	4.8
75°	4.7	4.2	3.2	2.1	3.2	4.2	4.7	5.2	5.6	6.0	6.3
72.5°	6.7	6.3	6.3	6.3	6.3	6.3	6.7	7.2	7.6	8.1	8.8
70°	7.5	6.4	6.3	6.3	6.3	6.4	7.5	8.5	9.3	10.2	11.1
67.5°	10.2	10.3	10.4	10.4	10.4	10.3	10.2	10.2	10.3	10.9	12.0
65°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	11.0	12.2
62.5°	8.5	8.4	8.3	8.3	8.3	8.4	8.5	8.7	8.9	9.9	11.4
60°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	9.0	10.0
57.5°	6.5	6.4	6.3	6.3	6.3	6.4	6.5	6.7	7.0	7.8	8.8
55°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.9	7.5
52.5°	7.1	6.5	6.3	6.3	6.3	6.5	7.1	7.4	7.6	7.9	8.0
50°	9.0	8.5	8.3	8.3	8.3	8.5	9.0	9.4	9.7	9.9	10.1
47.5°	11.1	10.6	10.4	10.4	10.4	10.6	11.1	11.5	11.8	12.1	12.2
45°	14.2	13.1	12.5	12.5	12.5	13.1	14.2	14.9	15.2	14.9	14.3
42.5°	21.6	21.0	20.6	20.8	20.6	21.0	21.6	21.7	21.7	21.0	20.0
40°	39.6	40.7	41.2	41.7	41.2	40.7	39.6	37.7	36.9	32.6	31.0
37.5°	81.2	79.7	76.1	77.1	76.1	79.7	81.2	77.6	71.1	62.8	59.8
35°	150.7	159.8	166.2	170.9	166.2	159.8	150.7	142.2	129.4	110.8	105.8
32.5°	301.9	314.4	310.8	304.2	310.8	314.4	301.9	285.8	242.0	203.9	189.8
30°	693.1	729.3	719.6	677.2	719.6	729.3	693.1	630.2	523.6	445.3	363.4
27.5°	1249.6	1337.1	1394.1	1364.8	1394.1	1337.1	1249.6	1155.4	1024.2	845.5	658.5
25°	2124.5	2294.3	2415.8	2365.0	2415.8	2294.3	2124.5	1879.5	1595.4	1396.4	1131.2
22.5°	3777.6	4056.4	4221.9	4265.2	4221.9	4056.4	3777.6	3257.2	2842.3	2340.3	1947.0
20°	7103.2	7325.5	7369.6	7259.5	7369.6	7325.5	7103.2	6112.6	5325.0	4380.3	3544.4
17.5°	17091.1	18117.6	17365.2	16575.5	17365.2	18117.6	17091.1	13509.1	12275.3	9600.3	7414.7
15°	39096.7	43431.7	45901.3	46405.1	45901.3	43431.7	39096.7	33742.9	27415.9	21566.5	16202.2
12.5°	68890.7	75876.7	78759.7	78490.4	78759.7	75876.7	68890.7	61322.4	49381.9	39040.4	29401.8
10°	104224.6	111693.6	118120.0	118185.1	118120.0	111693.6	104224.6	94462.1	79242.8	61697.1	44532.2
7.5°	139550.5	148164.2	154210.0	155934.7	154210.0	148164.2	139550.5	126700.2	108186.4	86473.4	64057.7
5°	170476.0	181140.2	187142.4	188975.3	187142.4	181140.2	170476.0	154798.8	134508.5	110416.2	82078.9
2.5°	197665.8	210729.8	217312.8	218336.1	217312.8	210729.8	197665.8	179345.2	156144.5	129425.1	95223.2
0°	205146.6	216792.1	225317.4	228352.3	225317.4	216792.1	205146.6	187702.2	165028.9	135335.7	101274.1
-2.5°	197771.6	207960.1	213041.3	215160.6	213041.3	207960.1	197771.6	181314.7	159344.6	132576.6	98674.9
-5°	186114.0	195622.3	202093.5	203592.1	202093.5	195622.3	186114.0	172311.6	149982.4	123207.9	91745.2
-7.5°	157070.2	166429.1	169336.7	172633.1	169336.7	166429.1	157070.2	146031.9	129295.9	105046.5	77170.4
-10°	131235.2	138515.7	140518.1	142853.5	140518.1	138515.7	131235.2	119508.0	103984.0	83777.8	60978.6
-12.5°	108585.9	115797.4	119062.2	121856.5	119062.2	115797.4	108585.9	95533.3	79676.5	63066.6	48369.8
-15°	79553.9	86331.9	88673.2	90184.9	88673.2	86331.9	79553.9	69027.9	57284.2	46397.8	36742.1
-17.5°	57627.4	62789.5	65857.1	67635.5	65857.1	62789.5	57627.4	49525.4	42800.3	35707.0	29577.2
-20°	43076.3	46034.5	48410.9	48672.2	48410.9	46034.5	43076.3	38654.2	33623.4	28777.1	24342.3



REPORT NUMBER: P701569 (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°	32198.8	33960.8	35054.8	34988.8	35054.8	33960.8	32198.8	29509.3	26299.2	23102.9	19821.9
-25°	24032.7	25217.3	25970.7	26106.2	25970.7	25217.3	24032.7	22405.2	20271.3	18222.1	15943.7
-27.5°	18288.8	19122.9	19555.1	19578.1	19555.1	19122.9	18288.8	17212.8	15709.8	14409.2	12759.3
-30°	14169.3	14864.0	15324.8	15677.4	15324.8	14864.0	14169.3	13483.6	12538.6	11409.5	10052.9
-32.5°	11128.1	11721.0	12123.0	12362.3	12123.0	11721.0	11128.1	10495.9	9743.7	8804.5	7666.6
-35°	8342.7	8817.5	9101.7	9030.6	9101.7	8817.5	8342.7	7800.3	7177.4	6402.6	5459.4
-37.5°	5878.7	6281.3	6567.7	6749.0	6567.7	6281.3	5878.7	5391.7	4838.6	4130.2	3493.0
-40°	3704.2	3982.6	4180.7	4306.9	4180.7	3982.6	3704.2	3345.9	2931.8	2431.6	2071.4
-42.5°	2109.6	2213.7	2283.8	2321.2	2283.8	2213.7	2109.6	1970.1	1799.0	1588.8	1423.1
-45°	1459.1	1485.0	1503.8	1514.8	1503.8	1485.0	1459.1	1426.9	1385.3	1335.5	1280.1
-47.5°	1303.8	1325.1	1339.0	1346.0	1339.0	1325.1	1303.8	1275.7	1239.9	1199.8	1157.9
-50°	1156.6	1182.8	1198.6	1204.4	1198.6	1182.8	1156.6	1124.6	1088.9	1052.4	1011.8
-52.5°	996.7	1017.9	1032.1	1039.7	1032.1	1017.9	996.7	972.1	945.8	920.8	892.1
-55°	869.7	883.2	890.2	891.8	890.2	883.2	869.7	853.6	835.1	815.5	792.7
-57.5°	769.2	777.9	784.8	789.7	784.8	777.9	769.2	758.6	746.0	732.3	717.8
-60°	687.6	695.1	699.0	700.1	699.0	695.1	687.6	677.8	665.7	652.0	635.6
-62.5°	596.1	605.1	612.0	616.8	612.0	605.1	596.1	584.0	568.3	549.2	526.6
-65°	484.1	497.6	504.7	508.4	504.7	497.6	484.1	468.7	451.6	433.2	412.6
-67.5°	364.8	371.7	373.4	373.0	373.4	371.7	364.8	355.9	344.8	329.9	311.2
-70°	280.2	290.4	294.1	295.9	294.1	290.4	280.2	269.0	257.0	243.7	228.2
-72.5°	202.5	209.7	213.9	216.7	213.9	209.7	202.5	194.4	185.5	175.3	163.1
-75°	120.9	123.9	125.8	127.1	125.8	123.9	120.9	117.4	113.2	108.4	102.5
-77.5°	77.4	80.7	82.2	83.3	82.2	80.7	77.4	74.0	70.5	66.7	62.0
-80°	54.0	56.0	56.2	56.3	56.2	56.0	54.0	52.0	49.8	47.5	44.2
-82.5°	36.2	37.4	37.5	37.5	37.5	37.4	36.2	35.0	33.7	32.4	30.5
-85°	28.0	29.1	29.2	29.2	29.2	29.1	28.0	26.9	25.7	24.5	22.8
-87.5°	20.3	20.8	21.8	22.9	21.8	20.8	20.3	19.8	19.3	18.7	17.1
-90°	2.6	2.1	1.1	0.0	1.1	2.1	2.6	3.2	3.7	4.2	4.7



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	14.6	13.5	12.5	11.4	10.4	9.4	8.3	8.3	8.3	8.3	8.3
87.5°	5.3	5.8	6.3	6.3	6.3	6.3	6.3	6.8	7.3	7.8	8.3
85°	5.3	5.8	6.3	6.7	7.0	7.3	7.6	7.7	7.8	8.0	8.3
82.5°	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.3	8.3	8.3	8.3
80°	5.3	5.8	6.4	6.9	7.4	7.9	8.3	8.3	8.3	8.3	8.3
77.5°	5.3	5.9	6.4	6.9	7.4	7.9	8.3	8.3	8.3	8.3	8.3
75°	6.7	7.0	7.4	7.8	8.1	8.1	8.5	8.8	9.0	9.0	8.8
72.5°	9.3	9.7	10.3	10.9	11.2	11.5	11.5	11.3	11.0	10.7	10.2
70°	11.9	12.8	14.3	16.1	17.2	17.7	17.1	15.9	14.5	13.8	12.7
67.5°	13.1	14.2	16.9	19.9	22.1	23.7	23.7	22.5	20.8	19.2	16.3
65°	13.3	14.4	18.3	22.3	25.8	28.7	30.7	30.8	29.5	26.5	21.4
62.5°	12.9	14.4	17.6	21.3	25.9	32.2	38.5	40.8	40.6	35.8	28.8
60°	11.2	12.8	15.3	18.4	22.1	30.7	41.4	49.3	54.1	46.4	36.2
57.5°	9.8	10.9	12.5	14.8	17.9	27.4	40.1	54.3	63.3	53.0	43.3
55°	8.1	9.1	10.3	11.5	13.4	22.4	34.2	48.1	58.3	55.3	44.7
52.5°	8.2	8.8	9.4	10.0	12.0	17.1	25.1	38.2	45.9	45.2	41.9
50°	10.1	9.8	9.8	10.2	11.4	13.3	18.4	27.4	31.6	34.8	34.5
47.5°	12.2	11.7	10.8	10.5	11.7	13.0	15.0	17.4	22.4	24.2	26.4
45°	14.7	14.6	14.0	13.4	12.7	13.3	14.5	16.4	17.7	19.9	19.1
42.5°	20.1	18.9	17.7	18.4	17.3	16.1	16.0	17.8	18.3	18.7	20.2
40°	31.3	27.8	26.5	26.1	25.1	21.9	22.4	21.8	21.6	20.3	23.6
37.5°	54.3	47.3	43.7	38.2	36.1	33.9	32.2	30.4	27.6	28.2	30.0
35°	94.1	84.4	73.6	62.2	51.2	49.9	45.4	41.4	39.2	39.4	39.0
32.5°	150.7	151.8	126.2	104.6	86.3	73.6	64.3	55.0	57.4	55.5	50.9
30°	302.4	281.3	239.6	186.6	157.7	116.1	90.0	83.8	79.9	75.8	65.6
27.5°	585.5	490.6	427.7	376.0	276.6	201.4	146.2	119.7	107.2	98.9	90.2
25°	1003.8	830.2	747.9	656.0	509.3	367.2	251.6	177.8	144.2	129.8	149.2
22.5°	1596.8	1471.6	1214.0	1017.0	908.0	728.2	481.0	247.5	202.3	216.3	218.7
20°	2888.2	2638.9	2070.0	1845.0	1600.3	1199.4	810.6	510.1	377.8	327.4	298.5
17.5°	6288.6	4712.1	4150.5	3552.4	2757.4	1941.4	1586.2	1055.1	606.1	456.2	387.7
15°	11931.3	9457.5	7759.6	6233.4	4791.3	3839.2	2846.3	1744.9	951.0	636.9	515.7
12.5°	21942.5	16302.2	12130.1	9945.2	8129.9	6426.7	4614.3	2841.8	1530.5	912.9	709.1
10°	33025.1	24665.0	18466.8	14587.3	11846.6	9358.8	6600.5	4038.9	2186.6	1225.4	906.9
7.5°	46090.8	34063.2	25210.7	19061.3	15094.3	11719.9	8379.3	5243.5	2849.7	1544.3	1106.2
5°	57430.2	41864.2	30310.9	22560.7	17832.5	13986.2	10083.8	6414.1	3492.3	1859.8	1303.2
2.5°	65389.3	47709.4	34564.2	25721.9	20161.1	15759.6	11411.9	7275.8	3914.6	2078.2	1421.1
0°	69506.7	51374.7	37055.8	26881.3	21120.0	16342.1	12172.7	7790.8	4169.4	2254.5	1529.4
-2.5°	68371.0	50496.9	36749.5	27105.6	21277.3	16392.7	12023.7	7866.6	4272.7	2308.6	1538.9
-5°	63267.8	45717.9	33191.3	24681.8	19568.4	15261.9	11264.7	7496.8	4183.2	2295.1	1538.7
-7.5°	54997.3	39911.9	29012.0	21815.3	17364.6	13615.7	10081.0	6699.6	3813.4	2114.2	1458.0
-10°	44961.2	33531.3	24986.3	19310.1	15282.4	11899.4	8789.1	5813.0	3349.4	1905.6	1369.7
-12.5°	36411.5	27724.5	20994.2	16697.9	13334.7	10391.8	7564.2	4899.9	2797.2	1674.0	1275.7
-15°	28696.4	22856.4	18290.2	14553.8	11440.7	8872.6	6389.5	3993.5	2208.0	1433.0	1176.9
-17.5°	24060.0	19162.3	15673.6	12586.0	9867.7	7451.5	5271.2	3264.3	1832.4	1255.2	1094.5
-20°	20198.0	16712.9	13532.6	10762.5	8342.4	6150.0	4135.4	2482.3	1536.3	1162.2	1026.3



REPORT NUMBER: P701569 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	17101.8	14398.5	11595.1	8994.4	6791.1	4872.8	3156.3	1818.4	1209.5	1067.7	954.2
-25°	14026.3	12020.0	9677.0	7468.7	5362.6	3571.4	2210.2	1467.4	1116.0	979.8	878.4
-27.5°	11186.6	9497.5	7890.4	5909.9	4042.0	2560.8	1625.5	1167.7	1040.3	919.9	803.9
-30°	8628.7	7325.1	5924.7	4335.7	2878.7	1778.1	1239.6	1086.0	973.4	862.3	751.4
-32.5°	6426.9	5299.0	4056.4	2907.8	1892.9	1335.7	1130.5	1009.3	908.2	806.2	717.1
-35°	4444.2	3503.1	2522.0	1848.5	1336.2	1173.8	1062.5	953.6	845.7	754.2	684.5
-37.5°	2758.2	2078.9	1665.2	1294.1	1197.9	1102.1	1004.4	894.0	787.8	715.3	654.7
-40°	1749.5	1391.1	1287.6	1198.5	1119.4	1041.8	932.3	825.2	749.2	678.0	625.6
-42.5°	1342.6	1261.4	1188.3	1119.7	1042.2	945.7	853.1	780.5	711.2	649.5	605.1
-45°	1221.7	1161.4	1100.6	1020.3	932.2	862.1	801.2	736.2	674.6	627.7	587.2
-47.5°	1104.9	1041.4	973.8	914.3	853.8	797.0	745.2	691.7	648.0	605.3	548.1
-50°	970.9	923.5	875.5	828.6	781.7	733.7	695.4	662.0	614.4	559.1	499.1
-52.5°	860.6	825.5	788.4	750.4	718.9	687.4	655.2	610.3	560.8	498.0	432.0
-55°	766.6	743.5	720.3	696.3	668.2	628.0	587.3	540.2	483.7	422.2	364.0
-57.5°	702.8	682.5	653.2	622.1	589.2	544.4	495.2	446.5	401.6	348.9	295.6
-60°	616.3	593.5	558.2	519.4	477.3	434.3	397.4	359.2	319.8	276.0	230.7
-62.5°	500.3	470.1	439.1	407.8	373.8	338.7	307.1	275.2	240.7	203.7	172.8
-65°	389.8	364.8	337.6	310.0	281.1	251.3	223.7	198.3	174.1	148.0	122.4
-67.5°	290.1	266.5	242.7	220.7	201.1	179.5	159.2	138.1	122.9	109.8	96.2
-70°	211.9	195.0	177.8	159.6	142.8	128.6	117.1	106.1	94.5	81.1	67.7
-72.5°	151.1	139.5	128.3	117.0	106.4	95.1	83.2	71.4	59.7	48.2	39.8
-75°	95.8	88.1	79.5	70.4	61.1	51.5	45.6	41.6	37.6	33.7	29.9
-77.5°	57.2	52.4	47.9	44.2	40.3	36.3	32.4	29.6	27.6	25.7	23.9
-80°	41.0	37.8	34.6	32.1	29.6	27.2	25.1	23.6	22.2	20.9	19.6
-82.5°	28.6	26.6	24.7	23.1	21.6	19.9	18.4	17.5	16.7	16.0	15.3
-85°	21.1	19.3	17.6	16.4	15.3	14.1	13.1	12.9	12.6	12.4	12.1
-87.5°	15.6	14.0	12.5	11.9	11.3	10.7	10.0	10.0	9.9	9.8	9.8
-90°	5.3	5.8	6.3	6.3	6.3	6.3	6.3	6.8	7.3	7.8	8.3



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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°	8.3	8.3	8.3	8.3	8.8	9.4	9.9	10.4	9.9	9.4	8.8
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.5	8.7	8.8
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.7	9.0	9.3
82.5°	8.3	8.3	8.3	8.3	8.6	8.8	8.9	8.9	9.1	9.4	9.7
80°	8.3	8.3	8.3	8.4	8.9	9.4	9.7	9.8	9.7	9.8	10.0
77.5°	8.3	8.3	8.3	8.4	9.0	9.5	10.0	10.4	10.3	10.1	10.2
75°	8.4	8.3	8.3	8.5	9.0	9.5	10.0	10.4	10.4	10.4	10.3
72.5°	9.7	9.3	8.8	8.6	9.1	9.6	10.1	10.4	10.4	10.4	10.4
70°	11.5	10.6	10.0	9.6	9.5	9.7	10.2	10.4	10.4	10.4	10.4
67.5°	13.6	12.3	11.2	10.5	10.1	10.0	10.3	10.4	10.4	10.4	10.4
65°	18.1	15.0	12.4	11.4	10.7	10.3	10.4	10.4	10.4	10.4	10.4
62.5°	23.1	18.9	15.6	12.6	11.1	10.6	10.4	10.4	10.4	10.4	10.4
60°	28.4	22.7	18.7	15.4	12.4	10.7	10.4	10.4	10.4	10.4	10.4
57.5°	33.3	25.9	21.3	17.7	14.6	11.6	10.4	10.4	10.4	10.4	10.4
55°	36.3	28.6	23.5	19.4	16.2	13.3	10.9	10.4	10.4	10.4	10.4
52.5°	34.6	29.7	25.3	20.7	17.2	14.7	12.3	10.4	10.4	10.4	10.4
50°	30.3	29.2	26.0	21.6	17.7	15.4	13.6	11.3	10.4	10.4	10.5
47.5°	27.4	27.9	26.0	22.1	17.9	16.1	14.3	12.3	10.4	10.4	10.7
45°	24.1	26.5	25.8	22.5	18.5	16.7	14.9	13.1	11.1	10.5	10.9
42.5°	21.7	25.1	25.3	23.2	20.1	17.3	15.4	13.6	11.6	10.6	11.0
40°	24.7	24.6	25.4	24.8	22.0	17.9	15.9	14.0	12.1	10.9	11.1
37.5°	29.5	27.6	26.1	29.0	24.8	19.9	16.4	14.4	12.9	11.6	11.3
35°	37.3	33.4	32.4	35.0	30.3	22.0	16.8	14.8	13.8	12.1	11.4
32.5°	46.9	44.2	43.5	42.2	37.7	24.4	18.2	16.3	14.9	12.7	11.5
30°	62.5	64.2	56.4	51.0	46.2	31.2	21.1	18.1	16.3	13.3	11.7
27.5°	96.6	90.3	72.6	62.9	54.6	40.1	25.9	20.1	17.8	14.0	12.2
25°	141.9	124.8	98.1	76.4	64.1	62.6	31.3	22.4	19.4	15.1	12.6
22.5°	200.7	167.1	127.7	90.8	97.9	92.0	43.4	26.8	21.2	16.4	13.1
20°	267.9	215.6	168.5	140.4	137.4	121.7	64.9	31.5	23.1	17.7	13.4
17.5°	342.3	297.6	255.7	204.7	179.5	154.7	90.0	36.4	25.1	19.0	13.8
15°	475.1	420.5	350.5	274.5	223.4	190.2	118.0	41.4	27.2	20.3	14.4
12.5°	627.1	549.7	450.4	348.4	268.7	227.6	147.7	46.5	29.3	22.2	15.4
10°	783.5	683.1	553.6	424.8	314.8	266.1	178.3	53.1	33.5	24.6	16.5
7.5°	941.9	818.2	658.0	502.0	361.9	307.2	212.3	63.0	38.2	26.9	17.6
5°	1089.7	937.0	745.8	568.7	412.0	350.2	245.2	73.0	43.0	29.2	18.7
2.5°	1190.6	1027.2	819.6	629.6	461.0	391.9	275.5	82.6	47.6	31.3	19.8
0°	1285.6	1110.6	887.6	685.5	508.4	431.3	302.1	91.7	52.1	33.3	20.8
-2.5°	1303.1	1124.8	897.1	699.6	527.9	446.5	312.3	108.2	63.1	39.3	23.7
-5°	1313.4	1130.2	900.4	708.9	545.0	458.1	318.1	123.7	73.5	44.9	26.5
-7.5°	1262.0	1094.0	883.4	710.1	559.5	466.0	319.9	137.7	83.1	50.0	29.0
-10°	1193.2	1030.2	839.3	683.9	555.1	464.8	318.1	150.0	91.5	54.5	31.3
-12.5°	1120.9	961.7	793.6	656.2	546.8	456.3	312.3	160.9	98.8	58.3	33.3
-15°	1046.3	889.8	747.6	628.1	538.1	446.3	304.4	169.9	105.8	61.9	34.9
-17.5°	973.5	815.3	702.6	600.5	529.4	435.1	295.1	176.7	111.1	65.2	36.6
-20°	903.3	758.8	660.6	574.2	521.2	423.3	284.8	180.9	114.6	67.3	38.2



REPORT NUMBER: P701569 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	832.7	719.9	633.0	559.6	509.4	411.2	274.1	182.5	116.1	68.0	39.3
-25°	764.5	682.1	607.3	549.7	491.7	393.4	268.8	181.2	115.5	67.3	39.8
-27.5°	715.9	647.6	582.2	538.5	470.7	376.7	266.2	180.1	113.5	65.1	39.7
-30°	676.7	619.5	566.3	523.0	449.3	352.1	260.0	176.3	110.8	63.6	39.0
-32.5°	648.5	593.0	551.7	498.2	421.6	325.7	244.7	169.4	106.0	62.7	38.0
-35°	625.6	575.2	535.0	473.3	390.2	302.7	225.0	159.5	98.9	60.8	36.5
-37.5°	601.2	561.0	508.1	443.6	357.6	277.2	205.3	143.7	89.5	58.0	34.3
-40°	585.2	540.4	482.3	406.7	326.0	249.1	183.2	127.9	83.5	54.3	31.4
-42.5°	566.9	510.1	443.5	368.3	292.8	222.4	159.6	110.9	76.6	50.1	27.8
-45°	531.7	471.2	397.9	327.1	257.6	193.1	139.6	94.2	68.6	45.1	24.6
-47.5°	489.3	418.6	349.9	283.3	222.4	163.8	118.5	84.2	59.8	39.2	22.5
-50°	429.4	363.5	299.6	240.8	184.2	139.2	98.7	73.2	51.1	31.7	20.0
-52.5°	368.0	306.3	250.8	197.9	153.3	113.5	85.2	61.6	42.0	26.7	17.2
-55°	305.1	252.1	203.2	160.7	122.9	94.8	70.8	50.5	32.2	22.8	14.4
-57.5°	246.7	199.9	161.6	125.8	99.3	77.4	56.8	38.8	26.6	18.8	14.6
-60°	189.5	155.5	122.1	100.1	80.3	60.8	43.0	29.1	22.2	15.6	14.7
-62.5°	142.0	114.7	97.4	79.6	61.9	44.9	30.3	24.3	17.7	15.4	14.7
-65°	107.2	91.5	75.5	59.4	43.8	31.4	25.2	19.4	16.3	15.0	14.4
-67.5°	82.3	67.4	53.1	39.0	31.2	25.5	20.0	17.1	15.5	14.6	13.9
-70°	54.7	42.2	35.0	29.7	24.5	20.0	17.7	15.8	14.6	13.9	13.3
-72.5°	35.5	31.1	26.6	22.3	20.2	18.1	16.0	14.4	13.9	13.3	12.7
-75°	26.0	23.7	21.9	20.1	18.2	16.2	14.6	13.6	13.1	12.6	12.0
-77.5°	22.2	20.7	19.3	17.6	15.8	14.4	13.4	12.7	12.3	11.9	11.4
-80°	18.3	17.0	15.6	14.3	13.2	12.5	12.2	11.8	11.5	11.2	10.8
-82.5°	14.2	13.3	12.5	11.9	11.7	11.4	11.2	11.0	10.7	10.4	10.2
-85°	11.7	11.3	11.0	10.7	10.6	10.4	10.4	10.4	10.3	10.1	9.8
-87.5°	9.7	9.6	9.6	9.5	9.7	9.9	10.1	10.4	10.1	9.7	9.3
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



REPORT NUMBER: P701569 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.3	8.8	9.4	9.9	10.4	9.3	8.3
87.5°	8.8	8.8	8.7	8.6	8.5	8.4	8.3
85°	9.4	9.2	9.0	8.8	8.7	8.5	8.3
82.5°	9.9	9.7	9.4	9.1	8.8	8.6	8.3
80°	10.4	10.1	9.8	9.4	9.0	8.7	8.3
77.5°	10.4	10.4	10.1	9.7	9.2	8.8	8.3
75°	10.4	10.4	10.4	9.9	9.4	8.8	8.3
72.5°	10.4	10.4	10.4	10.2	9.6	8.9	8.3
70°	10.4	10.4	10.4	10.4	9.7	9.0	8.3
67.5°	10.4	10.4	10.4	10.4	9.9	9.1	8.3
65°	10.4	10.4	10.4	10.4	10.1	9.2	8.3
62.5°	10.4	10.4	10.4	10.4	10.2	9.3	8.3
60°	10.4	10.4	10.4	10.4	10.4	9.3	8.3
57.5°	10.4	10.4	10.4	10.4	10.4	9.4	8.3
55°	10.4	10.4	10.4	10.4	10.4	9.5	8.3
52.5°	10.4	10.4	10.4	10.4	10.4	9.6	8.3
50°	10.4	10.4	10.4	10.4	10.4	9.6	8.3
47.5°	10.4	10.4	10.4	10.4	10.4	9.7	8.3
45°	10.6	10.4	10.4	10.4	10.4	9.8	8.3
42.5°	10.8	10.4	10.4	10.4	10.4	9.8	8.3
40°	11.0	10.4	10.4	10.4	10.4	9.9	8.3
37.5°	11.3	10.4	10.4	10.4	10.4	10.0	8.3
35°	11.6	10.5	10.4	10.4	10.4	10.0	8.3
32.5°	11.8	10.8	10.4	10.4	10.4	10.1	8.3
30°	11.9	11.0	10.4	10.4	10.4	10.1	8.3
27.5°	12.1	11.2	10.4	10.4	10.4	10.2	8.3
25°	12.2	11.5	10.4	10.4	10.4	10.2	8.3
22.5°	12.3	11.7	10.4	10.4	10.4	10.2	8.3
20°	12.5	11.9	10.4	10.4	10.4	10.3	8.3
17.5°	12.6	12.0	10.4	10.4	10.4	10.3	8.3
15°	12.8	12.1	10.4	10.4	10.4	10.3	8.3
12.5°	13.1	12.2	10.4	10.4	10.4	10.4	8.3
10°	13.4	12.3	10.4	10.4	10.4	10.4	8.3
7.5°	13.7	12.4	10.4	10.4	10.4	10.4	8.3
5°	14.0	12.5	10.4	10.4	10.4	10.4	8.3
2.5°	14.3	12.5	10.4	10.4	10.4	10.4	8.3
0°	14.6	12.5	10.4	10.4	10.4	10.4	8.3
-2.5°	16.0	12.7	10.4	10.4	10.4	10.4	8.3
-5°	17.3	12.9	10.4	10.4	10.4	10.4	8.3
-7.5°	18.5	13.1	10.4	10.4	10.4	10.4	8.3
-10°	19.5	13.2	10.4	10.4	10.4	10.4	8.3
-12.5°	20.4	13.3	10.4	10.4	10.4	10.4	8.3
-15°	21.0	13.3	10.4	10.4	10.4	10.3	8.3
-17.5°	21.4	13.2	10.4	10.4	10.4	10.3	8.3
-20°	21.8	13.1	10.4	10.4	10.4	10.3	8.3



REPORT NUMBER: P701569 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	22.3	12.9	10.4	10.4	10.4	10.3	8.3
-25°	22.3	12.9	10.4	10.4	10.4	10.2	8.3
-27.5°	22.0	12.9	10.4	10.4	10.4	10.2	8.3
-30°	21.2	12.7	10.4	10.4	10.4	10.2	8.3
-32.5°	20.0	12.4	10.6	10.4	10.4	10.2	8.3
-35°	19.2	11.9	10.7	10.4	10.4	10.1	8.3
-37.5°	18.6	11.5	10.9	10.4	10.4	10.1	8.3
-40°	17.7	11.7	11.0	10.4	10.4	10.1	8.3
-42.5°	16.5	11.9	11.1	10.4	10.4	10.0	8.3
-45°	15.0	12.0	11.2	10.5	10.4	10.0	8.3
-47.5°	13.3	12.2	11.3	10.5	10.4	10.0	8.3
-50°	13.2	12.3	11.3	10.5	10.4	9.9	8.3
-52.5°	13.3	12.5	11.3	10.6	10.4	9.9	8.3
-55°	13.5	12.5	11.3	10.6	10.4	9.9	8.3
-57.5°	13.6	12.4	11.2	10.6	10.4	9.8	8.3
-60°	13.7	12.2	11.2	10.6	10.4	9.8	8.3
-62.5°	13.5	12.1	11.1	10.5	10.4	9.8	8.3
-65°	13.1	11.9	11.0	10.5	10.4	9.7	8.3
-67.5°	12.8	11.6	10.9	10.5	10.4	9.7	8.3
-70°	12.4	11.4	10.7	10.4	10.4	9.7	8.3
-72.5°	11.9	11.1	10.6	10.4	10.4	9.6	8.3
-75°	11.5	10.8	10.4	10.3	10.4	9.6	8.3
-77.5°	11.0	10.5	10.3	10.2	10.4	9.6	8.3
-80°	10.5	10.2	10.1	10.2	10.4	9.5	8.3
-82.5°	9.9	9.9	9.9	10.1	10.4	9.5	8.3
-85°	9.4	9.5	9.7	10.0	10.4	9.4	8.3
-87.5°	8.8	9.2	9.5	9.9	10.4	9.4	8.3
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3

(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

