

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: P701713 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-4S-CV5-S**

Issue Date: 8/29/2023

Test Information

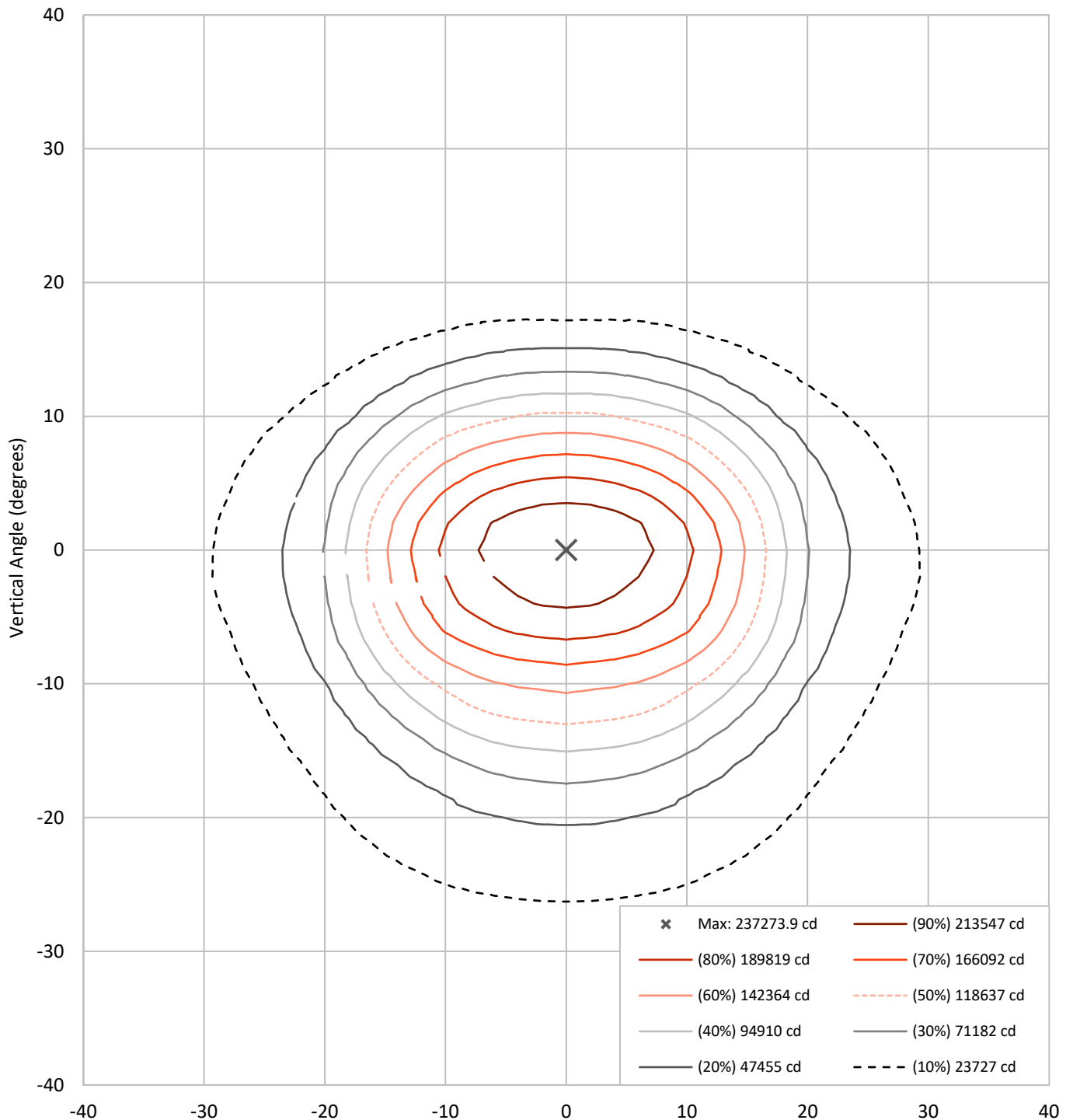
Test Method: LM-79-08
Report Number: P701713 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-23)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-70-4S-CV5-S
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:	62636.2 lumens	Max Intensity:	237273.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	89.8 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:	31691.8 lumens	Field Lumens:	54018.2 lumens
Beam Efficiency:	50.6%	Field Efficiency:	86.2%
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





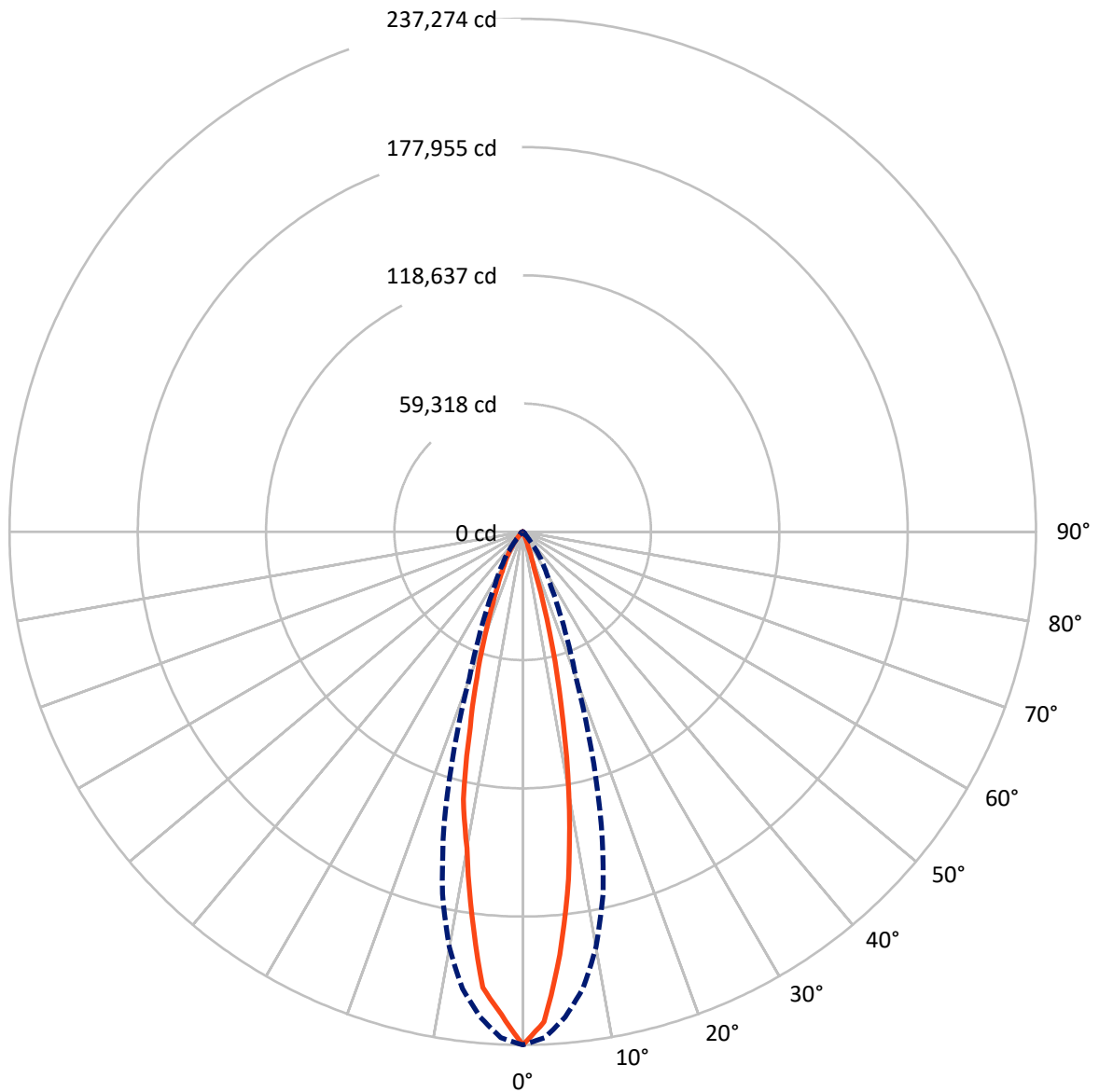
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Lumen Table

90	0.2		0.6		0.9		0.8		0.6		0.8		0.9		0.6		0.2	
80	0.2		0.6		0.9		0.8		0.6		0.8		0.9		0.6		0.2	
70	0.2	0.1	0.2	0.5	0.8	0.5	0.3	0.3	0.3	0.3	0.5	0.8	0.5	0.2	0.1	0.2	0.2	0.2
60		0.1	0.4	0.9	0.9	0.3	0.2	0.2	0.2	0.2	0.3	0.9	0.9	0.4	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	2.7	4.9	7.2	7.2	4.9	2.7	1.3	0.9	0.6	0.2			
30	0.3	0.4	1.7	3.5	9.4	26.1	54.1	89.9	89.9	54.1	26.1	9.4	3.5	1.7	0.4	0.3	0.3	0.3
20		1.1	5.4	14.2	84.6	264.1	804.7	1504.1	1504.1	804.7	264.1	84.6	14.2	5.4	1.1			
10	0.4	2.0	10.8	35.7	262.4	924.4	3200.2	5445.9	5445.9	3200.2	924.4	262.4	35.7	10.8	2.0	0.4	0.4	0.4
0		2.7	13.4	42.8	292.4	1019.9	3524.9	5786.4	5786.4	3524.9	1019.9	292.4	42.8	13.4	2.7			
-10	0.5	2.9	11.9	30.1	173.2	562.1	1559.9	2741.5	2741.5	1559.9	562.1	173.2	30.1	11.9	2.9	0.5	0.5	0.5
-20		2.8	10.0	20.1	72.4	281.0	579.1	843.3	843.3	579.1	281.0	72.4	20.1	10.0	2.8			
-30	0.5	2.3	8.4	15.7	29.4	87.5	198.6	281.9	281.9	198.6	87.5	29.4	15.7	8.4	2.3	0.5	0.5	0.5
-40		1.5	6.0	12.9	21.0	31.3	45.2	59.3	59.3	45.2	31.3	21.0	12.9	6.0	1.5			
-50	0.3	0.7	3.1	8.2	14.8	20.6	25.3	28.4	28.4	25.3	20.6	14.8	8.2	3.1	0.7	0.3	0.3	0.3
-60		0.3	1.1	3.1	6.2	9.9	13.4	15.4	15.4	13.4	9.9	6.2	3.1	1.1	0.3			
-70	0.2	0.9	3.0	7.7	11.0	7.7	3.0	0.9	0.2	0.2	3.0	7.7	11.0	7.7	3.0	0.2	0.2	0.2
-80		0.9	3.0	7.7	11.0	7.7	3.0	0.9	0.2	0.2	3.0	7.7	11.0	7.7	3.0			
-90	0.2		0.9		3.0		7.7		11.0		7.7		3.0		0.9		0.2	

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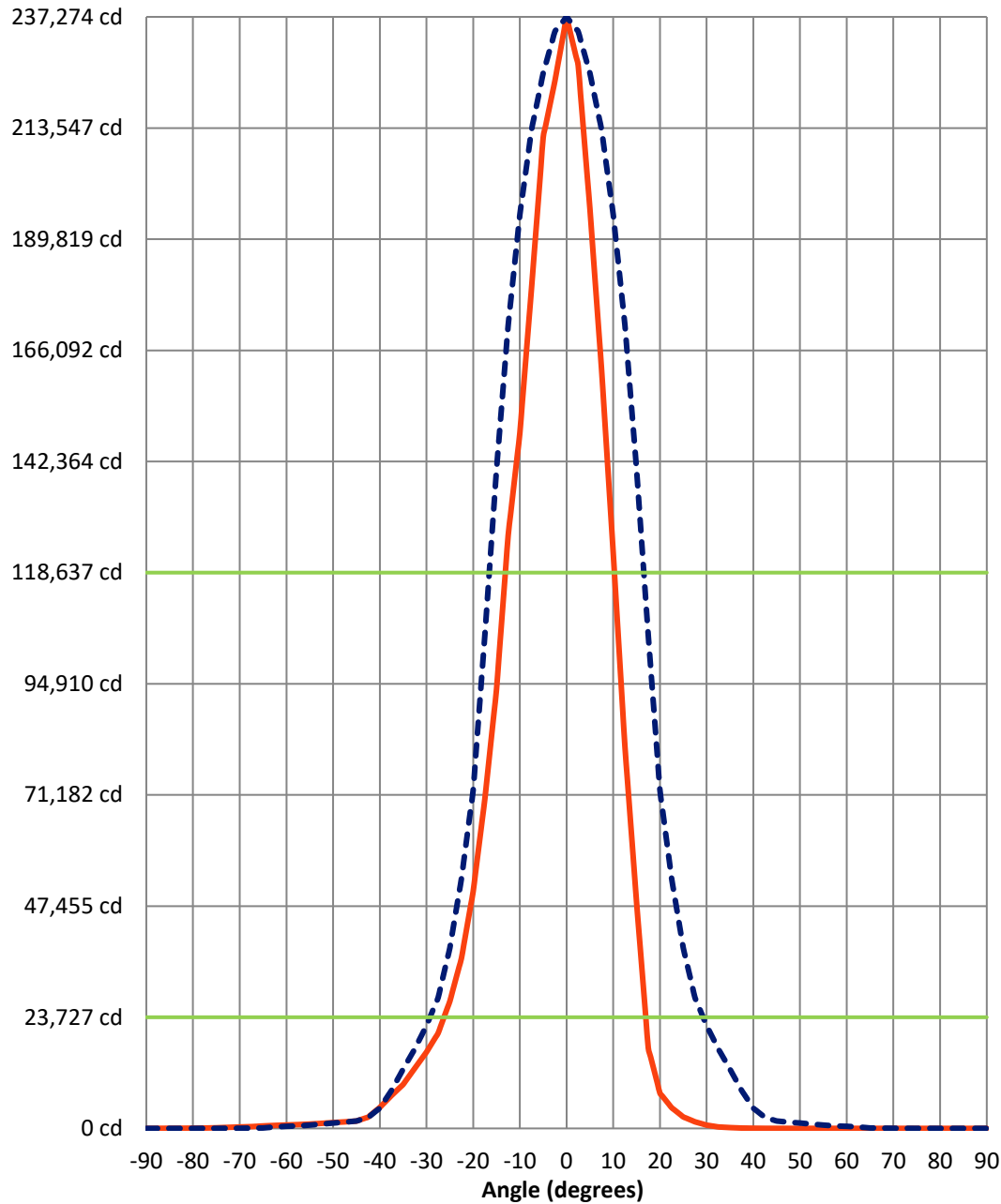
Luminous Intensity Polar Plot



— 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: 31691.8
 Efficiency: 50.6%

Field:
 H Angle: 58.5°
 V Angle: 43.2°
 Lumens: 54018.2
 Efficiency: 86.2%

Spill:
 Lumens: 8618
 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°	8.7	9.7	10.8	10.3	9.8	9.2	8.7	9.2	9.8	10.3	10.8
87.5°	8.7	8.8	8.9	9.0	9.1	9.2	9.2	9.2	9.1	8.9	8.7
85°	8.7	8.9	9.1	9.2	9.4	9.6	9.8	9.7	9.4	9.1	8.7
82.5°	8.7	9.0	9.2	9.5	9.8	10.1	10.3	10.1	9.8	9.5	9.3
80°	8.7	9.1	9.4	9.8	10.2	10.5	10.8	10.4	10.2	10.1	10.2
77.5°	8.7	9.2	9.6	10.1	10.5	10.8	10.8	10.6	10.5	10.7	10.8
75°	8.7	9.2	9.8	10.3	10.8	10.8	10.8	10.7	10.8	10.8	10.8
72.5°	8.7	9.3	10.0	10.6	10.8	10.8	10.8	10.8	10.8	10.8	10.8
70°	8.7	9.4	10.1	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
67.5°	8.7	9.5	10.3	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
65°	8.7	9.6	10.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
62.5°	8.7	9.7	10.6	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
60°	8.7	9.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
57.5°	8.7	9.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
55°	8.7	9.9	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
52.5°	8.7	10.0	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
50°	8.7	10.0	10.8	10.8	10.8	10.8	10.8	10.9	10.8	10.8	11.8
47.5°	8.7	10.1	10.8	10.8	10.8	10.8	10.8	11.1	10.8	10.8	12.8
45°	8.7	10.2	10.8	10.8	10.8	10.8	11.0	11.3	10.9	11.5	13.6
42.5°	8.7	10.2	10.8	10.8	10.8	10.8	11.2	11.5	11.1	12.1	14.1
40°	8.7	10.3	10.8	10.8	10.8	10.8	11.5	11.6	11.4	12.6	14.6
37.5°	8.7	10.4	10.8	10.8	10.8	10.8	11.7	11.7	12.0	13.4	15.0
35°	8.7	10.4	10.8	10.8	10.8	10.9	12.0	11.8	12.6	14.4	15.4
32.5°	8.7	10.5	10.8	10.8	10.8	11.2	12.3	12.0	13.2	15.5	17.0
30°	8.7	10.5	10.8	10.8	10.8	11.4	12.4	12.2	13.8	16.9	18.8
27.5°	8.7	10.6	10.8	10.8	10.8	11.7	12.5	12.7	14.6	18.5	20.9
25°	8.7	10.6	10.8	10.8	10.8	11.9	12.7	13.1	15.8	20.2	23.3
22.5°	8.7	10.6	10.8	10.8	10.8	12.2	12.8	13.6	17.0	22.1	27.8
20°	8.7	10.7	10.8	10.8	10.8	12.3	12.9	14.0	18.4	24.0	32.7
17.5°	8.7	10.7	10.8	10.8	10.8	12.5	13.1	14.4	19.7	26.1	37.8
15°	8.7	10.7	10.8	10.8	10.8	12.6	13.4	15.0	21.1	28.2	43.0
12.5°	8.7	10.8	10.8	10.8	10.8	12.7	13.6	16.1	23.1	30.4	48.3
10°	8.7	10.8	10.8	10.8	10.8	12.8	13.9	17.2	25.5	34.8	55.1
7.5°	8.7	10.8	10.8	10.8	10.8	12.9	14.2	18.4	28.0	39.7	65.5
5°	8.7	10.8	10.8	10.8	10.8	13.0	14.6	19.5	30.3	44.6	75.8
2.5°	8.7	10.8	10.8	10.8	10.8	13.0	14.9	20.6	32.5	49.5	85.8
0°	8.7	10.8	10.8	10.8	10.8	13.0	14.9	20.6	32.5	49.5	85.8
-2.5°	8.7	10.8	10.8	10.8	10.8	13.2	16.6	24.7	40.8	65.5	112.5
-5°	8.7	10.8	10.8	10.8	10.8	13.4	18.0	27.6	46.6	76.4	128.5
-7.5°	8.7	10.8	10.8	10.8	10.8	13.6	19.2	30.2	52.0	86.3	143.0
-10°	8.7	10.8	10.8	10.8	10.8	13.7	20.3	32.6	56.7	95.1	155.8
-12.5°	8.7	10.8	10.8	10.8	10.8	13.8	21.2	34.6	60.6	102.6	167.1
-15°	8.7	10.7	10.8	10.8	10.8	13.8	21.9	36.2	64.3	109.9	176.5
-17.5°	8.7	10.7	10.8	10.8	10.8	13.8	22.3	38.0	67.7	115.4	183.5
-20°	8.7	10.7	10.8	10.8	10.8	13.7	22.7	39.7	69.9	119.0	188.0



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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°	8.7	10.7	10.8	10.8	10.8	13.5	23.1	40.8	70.7	120.6	189.6
-25°	8.7	10.6	10.8	10.8	10.8	13.5	23.2	41.4	69.9	120.0	188.3
-27.5°	8.7	10.6	10.8	10.8	10.8	13.4	22.9	41.3	67.6	117.9	187.2
-30°	8.7	10.6	10.8	10.8	10.8	13.3	22.1	40.5	66.1	115.1	183.1
-32.5°	8.7	10.6	10.8	10.8	11.0	12.9	20.8	39.5	65.1	110.1	176.0
-35°	8.7	10.5	10.8	10.8	11.1	12.4	20.0	37.9	63.2	102.7	165.7
-37.5°	8.7	10.5	10.8	10.8	11.3	12.0	19.3	35.6	60.3	93.0	149.3
-40°	8.7	10.5	10.8	10.8	11.4	12.2	18.4	32.6	56.5	86.8	132.9
-42.5°	8.7	10.4	10.8	10.8	11.6	12.3	17.1	28.8	52.1	79.6	115.2
-45°	8.7	10.4	10.8	10.9	11.6	12.5	15.6	25.5	46.9	71.3	97.8
-47.5°	8.7	10.4	10.8	10.9	11.7	12.7	13.8	23.3	40.7	62.1	87.5
-50°	8.7	10.3	10.8	11.0	11.7	12.8	13.7	20.8	32.9	53.1	76.1
-52.5°	8.7	10.3	10.8	11.0	11.7	13.0	13.9	17.9	27.7	43.6	64.0
-55°	8.7	10.3	10.8	11.0	11.7	13.0	14.0	15.0	23.6	33.5	52.5
-57.5°	8.7	10.2	10.8	11.0	11.7	12.9	14.2	15.2	19.5	27.6	40.3
-60°	8.7	10.2	10.8	11.0	11.6	12.7	14.3	15.3	16.2	23.1	30.2
-62.5°	8.7	10.2	10.8	10.9	11.5	12.5	14.0	15.3	16.0	18.4	25.2
-65°	8.7	10.1	10.8	10.9	11.4	12.3	13.7	15.0	15.7	16.9	20.2
-67.5°	8.7	10.1	10.8	10.9	11.3	12.1	13.3	14.4	15.2	16.1	17.8
-70°	8.7	10.1	10.8	10.8	11.2	11.8	12.9	13.8	14.5	15.2	16.4
-72.5°	8.7	10.0	10.8	10.8	11.0	11.6	12.4	13.2	13.8	14.4	15.0
-75°	8.7	10.0	10.8	10.7	10.8	11.2	11.9	12.5	13.1	13.6	14.1
-77.5°	8.7	10.0	10.8	10.6	10.7	10.9	11.4	11.9	12.3	12.8	13.2
-80°	8.7	9.9	10.8	10.6	10.5	10.6	10.9	11.2	11.6	12.0	12.3
-82.5°	8.7	9.9	10.8	10.5	10.3	10.3	10.3	10.6	10.9	11.1	11.4
-85°	8.7	9.8	10.8	10.4	10.1	9.9	9.8	10.2	10.5	10.7	10.8
-87.5°	8.7	9.8	10.8	10.3	9.9	9.6	9.2	9.7	10.1	10.5	10.8
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7



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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°	10.3	9.8	9.2	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
87.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.2	7.6	7.1
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.4	8.2	8.0
82.5°	9.3	9.2	9.0	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
80°	10.1	9.8	9.3	8.8	8.7	8.7	8.7	8.7	8.7	8.7	8.7
77.5°	10.4	9.9	9.4	8.8	8.7	8.7	8.7	8.7	8.7	8.7	8.7
75°	10.4	9.9	9.4	8.9	8.7	8.7	8.8	9.2	9.4	9.4	9.2
72.5°	10.5	10.0	9.5	9.0	9.2	9.7	10.1	10.6	11.1	11.5	11.8
70°	10.6	10.1	9.9	10.0	10.4	11.0	12.0	13.2	14.3	15.1	16.5
67.5°	10.7	10.4	10.5	10.9	11.7	12.8	14.1	17.0	19.9	21.7	23.4
65°	10.8	10.7	11.1	11.8	12.9	15.6	18.8	22.2	27.6	30.7	32.0
62.5°	10.8	11.0	11.5	13.1	16.2	19.6	24.0	29.9	37.2	42.2	42.4
60°	10.8	11.1	12.9	16.0	19.4	23.6	29.5	37.7	48.3	56.2	51.2
57.5°	10.8	12.1	15.1	18.4	22.2	26.9	34.6	45.0	55.1	65.7	56.4
55°	11.4	13.8	16.9	20.2	24.4	29.7	37.7	46.4	57.4	60.6	50.0
52.5°	12.8	15.3	17.8	21.5	26.3	30.9	35.9	43.5	47.0	47.6	39.7
50°	14.1	16.0	18.4	22.4	27.0	30.3	31.4	35.8	36.1	32.8	28.4
47.5°	14.9	16.7	18.6	22.9	27.0	29.0	28.4	27.4	25.1	23.2	18.0
45°	15.5	17.3	19.2	23.4	26.8	27.5	25.0	19.8	20.7	18.4	17.1
42.5°	16.0	17.9	20.8	24.1	26.3	26.1	22.5	20.9	19.5	19.1	18.6
40°	16.5	18.5	22.9	25.8	26.4	25.5	25.7	24.5	21.1	22.5	22.7
37.5°	17.0	20.6	25.7	30.1	27.1	28.6	30.7	31.2	29.4	28.6	31.6
35°	17.4	22.9	31.5	36.3	33.6	34.7	38.8	40.5	40.9	40.7	43.0
32.5°	18.9	25.3	39.2	43.9	45.2	45.9	48.7	52.9	57.6	59.7	57.1
30°	21.9	32.4	48.0	53.0	58.7	66.8	64.9	68.0	78.7	83.0	87.0
27.5°	26.9	41.7	56.8	65.4	75.5	93.8	100.3	93.7	102.8	111.4	124.4
25°	32.5	65.0	66.6	79.4	102.0	129.7	147.4	155.0	134.8	149.8	184.7
22.5°	45.1	95.6	101.7	94.4	132.7	173.6	208.5	227.2	224.8	210.2	257.2
20°	67.4	126.5	142.8	145.9	175.1	224.0	278.4	310.1	340.2	392.5	530.0
17.5°	93.5	160.7	186.5	212.7	265.7	309.2	355.7	402.8	474.1	629.8	1096.3
15°	122.5	197.6	232.1	285.2	364.2	436.9	493.6	535.9	661.8	988.1	1813.1
12.5°	153.5	236.5	279.2	362.0	468.0	571.2	651.6	736.8	948.6	1590.3	2952.8
10°	185.2	276.5	327.1	441.4	575.1	709.8	814.1	942.3	1273.3	2272.0	4196.7
7.5°	220.5	319.3	376.0	521.7	683.6	850.2	978.6	1149.4	1604.6	2961.0	5448.4
5°	254.8	364.0	428.0	591.0	774.9	973.6	1132.3	1354.1	1932.5	3628.8	6664.7
2.5°	286.3	407.3	479.0	654.2	851.6	1067.3	1237.1	1476.6	2159.4	4067.5	7560.0
0°	313.9	448.2	528.3	712.3	922.3	1154.0	1335.8	1589.2	2342.6	4332.3	8095.2
-2.5°	324.5	464.0	548.5	727.0	932.2	1168.7	1354.0	1599.0	2398.8	4439.6	8174.0
-5°	330.5	476.0	566.3	736.6	935.6	1174.4	1364.7	1598.8	2384.8	4346.6	7789.8
-7.5°	332.4	484.2	581.3	737.8	917.9	1136.7	1311.3	1514.9	2196.9	3962.3	6961.4
-10°	330.5	482.9	576.8	710.6	872.1	1070.4	1239.8	1423.2	1980.1	3480.3	6040.1
-12.5°	324.4	474.1	568.2	681.9	824.6	999.3	1164.7	1325.5	1739.4	2906.5	5091.3
-15°	316.3	463.7	559.1	652.7	776.8	924.5	1087.2	1222.9	1489.0	2294.3	4149.6
-17.5°	306.6	452.1	550.1	624.0	730.0	847.2	1011.5	1137.3	1304.3	1904.0	3391.8
-20°	296.0	439.8	541.6	596.7	686.4	788.4	938.6	1066.4	1207.6	1596.3	2579.2



REPORT NUMBER: P701713 (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°	284.8	427.3	529.2	581.6	657.8	748.0	865.2	991.5	1109.4	1256.7	1889.4
-25°	279.3	408.8	510.9	571.2	631.1	708.8	794.3	912.7	1018.1	1159.6	1524.7
-27.5°	276.6	391.5	489.1	559.6	605.0	673.0	743.8	835.3	955.8	1081.0	1213.3
-30°	270.2	365.8	466.8	543.4	588.4	643.7	703.1	780.8	896.0	1011.4	1128.4
-32.5°	254.3	338.5	438.1	517.6	573.3	616.2	673.9	745.1	837.7	943.7	1048.6
-35°	233.8	314.6	405.5	491.8	555.9	597.7	650.0	711.2	783.6	878.7	990.8
-37.5°	213.3	288.0	371.6	460.9	527.9	582.9	624.7	680.3	743.2	818.6	928.9
-40°	190.4	258.9	338.8	422.7	501.1	561.5	608.1	650.1	704.5	778.4	857.4
-42.5°	165.9	231.1	304.3	382.8	460.9	530.0	589.1	628.7	674.9	738.9	811.0
-45°	145.1	200.7	267.6	339.9	413.5	489.6	552.5	610.1	652.2	700.9	765.0
-47.5°	123.1	170.2	231.1	294.3	363.6	435.0	508.4	569.5	628.9	673.3	718.7
-50°	102.5	144.7	191.5	250.2	311.3	377.8	446.2	518.7	581.0	638.4	687.9
-52.5°	88.6	117.9	159.3	205.7	260.5	318.3	382.4	448.8	517.4	582.7	634.1
-55°	73.5	98.4	127.7	167.0	211.2	262.0	317.0	378.2	438.7	502.6	561.3
-57.5°	59.0	80.4	103.1	130.7	167.9	207.7	256.3	307.2	362.6	417.3	463.9
-60°	44.7	63.2	83.4	104.0	126.8	161.5	196.9	239.7	286.8	332.3	373.3
-62.5°	31.5	46.7	64.3	82.7	101.2	119.2	147.5	179.6	211.7	250.1	286.0
-65°	26.2	32.6	45.5	61.8	78.4	95.1	111.4	127.2	153.8	180.9	206.1
-67.5°	20.7	26.5	32.5	40.5	55.2	70.1	85.5	100.0	114.1	127.7	143.5
-70°	18.4	20.7	25.4	30.9	36.4	43.9	56.9	70.3	84.3	98.2	110.3
-72.5°	16.6	18.8	21.0	23.1	27.6	32.3	36.9	41.4	50.0	62.0	74.2
-75°	15.2	16.9	18.9	20.9	22.7	24.7	27.0	31.0	35.0	39.1	43.2
-77.5°	13.9	15.0	16.5	18.3	20.0	21.5	23.1	24.8	26.7	28.7	30.7
-80°	12.6	13.0	13.7	14.8	16.2	17.7	19.1	20.4	21.7	23.1	24.5
-82.5°	11.6	11.9	12.1	12.4	13.0	13.8	14.7	15.9	16.7	17.4	18.2
-85°	10.8	10.8	11.0	11.1	11.4	11.7	12.1	12.6	12.9	13.1	13.4
-87.5°	10.5	10.3	10.1	9.9	10.0	10.0	10.1	10.2	10.2	10.3	10.4
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.2	7.6	7.1



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.7	9.8	10.8	11.9	13.0	14.1	15.1	16.2	17.3	18.4	19.5
87.5°	6.5	6.5	6.5	6.5	6.5	6.0	5.4	4.9	4.3	3.8	3.3
85°	7.9	7.6	7.3	6.9	6.5	6.0	5.4	4.9	4.3	3.8	3.3
82.5°	8.7	8.2	7.6	7.1	6.5	6.0	5.4	4.9	4.3	3.8	3.3
80°	8.7	8.2	7.7	7.1	6.6	6.0	5.5	4.9	4.3	3.8	3.3
77.5°	8.7	8.3	7.7	7.2	6.6	6.1	5.5	4.9	4.4	4.2	4.2
75°	8.9	8.5	8.4	8.1	7.7	7.3	6.9	6.6	6.2	5.8	5.4
72.5°	12.0	12.0	11.6	11.4	10.7	10.2	9.7	9.2	8.4	7.9	7.5
70°	17.8	18.5	17.9	16.7	14.8	13.3	12.4	11.5	10.6	9.7	8.8
67.5°	24.7	24.7	22.9	20.6	17.6	14.8	13.7	12.5	11.3	10.7	10.5
65°	31.9	29.8	26.8	23.2	19.0	15.0	13.8	12.6	11.4	10.8	10.8
62.5°	40.0	33.4	26.9	22.2	18.3	15.0	13.4	11.8	10.3	9.3	9.1
60°	43.0	31.9	23.0	19.1	15.9	13.4	11.7	10.4	9.4	8.7	8.7
57.5°	41.6	28.5	18.5	15.4	13.0	11.3	10.2	9.1	8.2	7.3	7.0
55°	35.5	23.2	13.9	11.9	10.7	9.5	8.5	7.8	7.2	6.5	6.5
52.5°	26.1	17.8	12.5	10.4	9.8	9.2	8.6	8.4	8.2	7.9	7.7
50°	19.1	13.8	11.9	10.6	10.2	10.2	10.5	10.5	10.4	10.1	9.8
47.5°	15.6	13.5	12.1	10.9	11.2	12.2	12.7	12.7	12.5	12.3	12.0
45°	15.1	13.9	13.2	13.9	14.6	15.2	15.2	14.9	15.6	15.8	15.5
42.5°	16.6	16.8	18.1	19.1	18.4	19.6	20.9	20.9	21.9	22.6	22.6
40°	23.3	22.8	26.1	27.1	27.5	28.8	32.5	32.2	33.8	38.4	39.2
37.5°	33.5	35.3	37.5	39.6	45.4	49.1	56.4	62.1	65.2	73.9	80.6
35°	47.2	51.9	53.2	64.6	76.4	87.6	97.7	109.9	115.1	134.4	147.8
32.5°	66.8	76.5	89.6	108.6	131.1	157.7	156.6	197.2	211.8	251.4	296.9
30°	93.5	120.7	163.9	193.9	249.0	292.3	314.2	377.5	462.7	544.1	654.8
27.5°	152.0	209.2	287.4	390.7	444.4	509.7	608.4	684.2	878.5	1064.2	1200.5
25°	261.4	381.5	529.2	681.6	777.0	862.6	1043.0	1175.4	1450.9	1657.8	1952.9
22.5°	499.8	756.6	943.4	1056.6	1261.4	1529.1	1659.1	2023.1	2431.7	2953.4	3384.5
20°	842.2	1246.2	1662.7	1917.1	2150.9	2742.0	3001.0	3682.8	4551.4	5533.1	6351.4
17.5°	1648.2	2017.2	2865.1	3691.2	4312.7	4896.2	6534.3	7704.4	9975.4	12754.9	14036.9
15°	2957.5	3989.1	4978.5	6476.9	8062.7	9827.1	12397.5	16835.3	22409.2	28487.1	35061.2
12.5°	4794.6	6677.8	8447.6	10333.8	12604.0	16939.2	22799.8	30550.6	40565.8	51311.2	63718.3
10°	6858.4	9724.5	12309.5	15157.2	19188.3	25628.7	34315.4	46272.2	64107.6	82338.8	98152.7
7.5°	8706.6	12177.8	15684.1	19806.0	26195.7	35394.0	47891.6	66560.5	89851.9	112413.3	131650.4
5°	10477.7	14532.7	18529.2	23442.1	31495.1	43499.8	59674.0	85285.7	114730.2	139763.7	160846.7
2.5°	11857.7	16375.4	20948.8	26726.9	35914.6	49573.4	67944.0	98943.6	134481.8	162245.0	186352.2
0°	12648.3	16980.6	21945.1	27931.5	38503.5	53381.9	72222.3	105230.9	140623.2	171476.5	195035.7
-2.5°	12493.5	17033.2	22108.6	28164.6	38185.2	52469.8	71042.3	102530.0	137756.3	165570.2	188398.6
-5°	11704.8	15858.2	20332.9	25646.1	34488.1	47504.1	65739.7	95329.7	128021.6	155842.1	179043.7
-7.5°	10474.9	14147.7	18043.1	22667.6	30145.5	41471.3	57146.1	80185.5	109150.7	134347.4	151737.3
-10°	9132.5	12364.3	15879.5	20064.6	25962.6	34841.3	46717.8	63361.1	87051.0	108046.7	124177.2
-12.5°	7859.8	10797.8	13855.6	17350.2	21814.4	28807.7	37834.2	50259.6	65530.7	82789.5	99265.8
-15°	6639.1	9219.2	11887.7	15122.4	19004.8	23749.4	29817.6	38177.6	48210.5	59522.3	71724.8
-17.5°	5477.2	7742.6	10253.2	13077.7	16286.0	19910.9	25000.0	30732.8	37102.1	44472.6	51460.4
-20°	4297.0	6390.2	8668.4	11183.0	14061.3	17365.9	20987.1	25293.3	29901.4	34937.1	40164.5



REPORT NUMBER: P701713 (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°	3279.6	5063.2	7056.5	9345.8	12048.1	14961.0	17769.9	20596.4	24005.6	27326.7	30662.2
-25°	2296.5	3711.0	5572.1	7760.5	10055.0	12489.6	14574.3	16566.6	18934.1	21063.3	23280.6
-27.5°	1689.1	2660.9	4199.9	6140.9	8198.7	9868.6	11623.7	13257.9	14972.2	16323.6	17885.3
-30°	1288.1	1847.6	2991.2	4505.2	6156.2	7611.3	8965.9	10445.7	11855.2	13028.4	14010.3
-32.5°	1174.7	1388.0	1966.9	3021.5	4214.9	5506.1	6678.0	7966.1	9148.5	10124.3	10905.9
-35°	1104.0	1219.6	1388.4	1920.8	2620.6	3639.9	4617.8	5672.7	6652.8	7457.8	8105.0
-37.5°	1043.6	1145.1	1244.7	1344.7	1730.2	2160.1	2865.9	3629.5	4291.5	5027.6	5602.3
-40°	968.7	1082.5	1163.1	1245.3	1337.9	1445.5	1817.9	2152.3	2526.6	3046.4	3476.6
-42.5°	886.4	982.6	1082.9	1163.4	1234.8	1310.7	1395.0	1478.7	1650.8	1869.3	2047.1
-45°	832.5	895.8	968.6	1060.1	1143.5	1206.8	1269.4	1330.2	1387.7	1439.4	1482.7
-47.5°	774.4	828.1	887.2	950.0	1011.8	1082.1	1148.1	1203.1	1246.7	1288.4	1325.6
-50°	722.6	762.3	812.2	861.1	909.7	959.6	1008.9	1051.4	1093.5	1131.5	1168.5
-52.5°	680.7	714.2	747.0	779.7	819.3	857.8	894.2	926.9	956.8	982.8	1010.1
-55°	610.2	652.4	694.3	723.4	748.4	772.6	796.5	823.6	847.4	867.7	886.9
-57.5°	514.5	565.6	612.2	646.4	678.7	709.1	730.3	745.8	760.9	775.1	788.2
-60°	413.0	451.2	495.9	539.7	580.0	616.7	640.3	660.4	677.4	691.7	704.3
-62.5°	319.1	351.9	388.4	423.7	456.3	488.4	519.8	547.2	570.6	590.5	606.8
-65°	232.4	261.1	292.1	322.1	350.8	379.1	405.1	428.8	450.1	469.2	486.9
-67.5°	165.5	186.5	209.0	229.3	252.2	276.9	301.4	323.4	342.9	358.3	369.8
-70°	121.7	133.6	148.4	165.8	184.8	202.6	220.2	237.1	253.2	267.1	279.5
-72.5°	86.5	98.8	110.6	121.6	133.3	145.0	156.9	169.4	182.1	192.8	202.0
-75°	47.4	53.6	63.5	73.2	82.6	91.6	99.5	106.5	112.6	117.6	122.0
-77.5°	33.7	37.7	41.9	45.9	49.8	54.5	59.5	64.4	69.4	73.3	76.9
-80°	26.0	28.2	30.7	33.3	35.9	39.2	42.6	46.0	49.4	51.8	54.0
-82.5°	19.1	20.7	22.4	24.0	25.6	27.6	29.7	31.7	33.6	35.0	36.4
-85°	13.6	14.7	15.9	17.0	18.2	20.1	21.9	23.7	25.5	26.7	27.9
-87.5°	10.4	11.1	11.8	12.4	13.0	14.6	16.2	17.8	19.4	20.0	20.6
-90°	6.5	6.5	6.5	6.5	6.5	6.0	5.4	4.9	4.3	3.8	3.3



REPORT NUMBER: P701713 (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°	20.6	21.7	21.7	21.7	21.7	21.7	20.6	19.5	18.4	17.3	16.2
87.5°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.3	3.8	4.3	4.9
85°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.3	3.8	4.3	4.9
82.5°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.3	3.8	4.3	4.9
80°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.3	3.8	4.3	4.9
77.5°	4.2	4.3	3.3	2.2	3.3	4.3	4.2	4.2	4.2	4.4	4.9
75°	4.9	4.3	3.3	2.2	3.3	4.3	4.9	5.4	5.8	6.2	6.6
72.5°	7.0	6.5	6.5	6.5	6.5	6.5	7.0	7.5	7.9	8.4	9.2
70°	7.7	6.6	6.5	6.5	6.5	6.6	7.7	8.8	9.7	10.6	11.5
67.5°	10.6	10.7	10.8	10.8	10.8	10.7	10.6	10.5	10.7	11.3	12.5
65°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	11.4	12.6
62.5°	8.9	8.8	8.7	8.7	8.7	8.8	8.9	9.1	9.3	10.3	11.8
60°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	9.4	10.4
57.5°	6.8	6.6	6.5	6.5	6.5	6.6	6.8	7.0	7.3	8.2	9.1
55°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	7.2	7.8
52.5°	7.3	6.8	6.5	6.5	6.5	6.8	7.3	7.7	7.9	8.2	8.4
50°	9.3	8.9	8.7	8.7	8.7	8.9	9.3	9.8	10.1	10.4	10.5
47.5°	11.5	11.0	10.8	10.8	10.8	11.0	11.5	12.0	12.3	12.5	12.7
45°	14.7	13.7	13.0	13.0	13.0	13.7	14.7	15.5	15.8	15.6	14.9
42.5°	22.4	21.9	21.5	21.7	21.5	21.9	22.4	22.6	22.6	21.9	20.9
40°	41.1	42.2	42.7	43.3	42.7	42.2	41.1	39.2	38.4	33.8	32.2
37.5°	84.3	82.8	79.1	80.1	79.1	82.8	84.3	80.6	73.9	65.2	62.1
35°	156.6	166.0	172.7	177.5	172.7	166.0	156.6	147.8	134.4	115.1	109.9
32.5°	313.8	326.7	323.0	316.1	323.0	326.7	313.8	296.9	251.4	211.8	197.2
30°	720.2	757.9	747.8	703.6	747.8	757.9	720.2	654.8	544.1	462.7	377.5
27.5°	1298.4	1389.3	1448.5	1418.1	1448.5	1389.3	1298.4	1200.5	1064.2	878.5	684.2
25°	2207.5	2383.9	2510.2	2457.4	2510.2	2383.9	2207.5	1952.9	1657.8	1450.9	1175.4
22.5°	3925.1	4214.8	4386.9	4431.9	4386.9	4214.8	3925.1	3384.5	2953.4	2431.7	2023.1
20°	7380.7	7611.7	7657.5	7543.1	7657.5	7611.7	7380.7	6351.4	5533.1	4551.4	3682.8
17.5°	17758.9	18825.5	18043.6	17223.1	18043.6	18825.5	17758.9	14036.9	12754.9	9975.4	7704.4
15°	40624.2	45128.6	47694.7	48218.2	47694.7	45128.6	40624.2	35061.2	28487.1	22409.2	16835.3
12.5°	71582.2	78841.2	81836.9	81557.0	81836.9	78841.2	71582.2	63718.3	51311.2	40565.8	30550.6
10°	108296.7	116057.4	122735.0	122802.6	122735.0	116057.4	108296.7	98152.7	82338.8	64107.6	46272.2
7.5°	145002.7	153952.9	160234.9	162027.1	160234.9	153952.9	145002.7	131650.4	112413.3	89851.9	66560.5
5°	177136.6	188217.3	194454.1	196358.5	194454.1	188217.3	177136.6	160846.7	139763.7	114730.2	85285.7
2.5°	205388.6	218963.0	225803.1	226866.5	225803.1	218963.0	205388.6	186352.2	162245.0	134481.8	98943.6
0°	213161.6	225262.2	234120.6	237273.9	234120.6	225262.2	213161.6	195035.7	171476.5	140623.2	105230.9
-2.5°	205498.5	216085.1	221364.8	223566.9	221364.8	216085.1	205498.5	188398.6	165570.2	137756.3	102530.0
-5°	193385.5	203265.3	209989.2	211546.5	209989.2	203265.3	193385.5	179043.7	155842.1	128021.6	95329.7
-7.5°	163206.9	172931.4	175952.7	179377.9	175952.7	172931.4	163206.9	151737.3	134347.4	109150.7	80185.5
-10°	136362.5	143927.5	146008.2	148434.8	146008.2	143927.5	136362.5	124177.2	108046.7	87051.0	63361.1
-12.5°	112828.3	120321.6	123714.0	126617.4	123714.0	120321.6	112828.3	99265.8	82789.5	65530.7	50259.6
-15°	82662.0	89704.9	92137.7	93708.4	92137.7	89704.9	82662.0	71724.8	59522.3	48210.5	38177.6
-17.5°	59878.9	65242.8	68430.2	70278.1	68430.2	65242.8	59878.9	51460.4	44472.6	37102.1	30732.8
-20°	44759.3	47833.1	50302.3	50573.8	50302.3	47833.1	44759.3	40164.5	34937.1	29901.4	25293.3



REPORT NUMBER: P701713 (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°	33456.8	35287.7	36424.4	36355.8	36424.4	35287.7	33456.8	30662.2	27326.7	24005.6	20596.4
-25°	24971.6	26202.5	26985.4	27126.1	26985.4	26202.5	24971.6	23280.6	21063.3	18934.1	16566.6
-27.5°	19003.4	19870.0	20319.1	20343.0	20319.1	19870.0	19003.4	17885.3	16323.6	14972.2	13257.9
-30°	14722.9	15444.7	15923.4	16290.0	15923.4	15444.7	14722.9	14010.3	13028.4	11855.2	10445.7
-32.5°	11562.8	12178.9	12596.7	12845.3	12596.7	12178.9	11562.8	10905.9	10124.3	9148.5	7966.1
-35°	8668.6	9162.1	9457.3	9383.4	9457.3	9162.1	8668.6	8105.0	7457.8	6652.8	5672.7
-37.5°	6108.4	6526.7	6824.3	7012.6	6824.3	6526.7	6108.4	5602.3	5027.6	4291.5	3629.5
-40°	3848.9	4138.2	4344.0	4475.2	4344.0	4138.2	3848.9	3476.6	3046.4	2526.6	2152.3
-42.5°	2192.0	2300.2	2373.0	2411.9	2373.0	2300.2	2192.0	2047.1	1869.3	1650.8	1478.7
-45°	1516.1	1543.1	1562.6	1574.0	1562.6	1543.1	1516.1	1482.7	1439.4	1387.7	1330.2
-47.5°	1354.8	1376.9	1391.3	1398.6	1391.3	1376.9	1354.8	1325.6	1288.4	1246.7	1203.1
-50°	1201.8	1229.0	1245.4	1251.4	1245.4	1229.0	1201.8	1168.5	1131.5	1093.5	1051.4
-52.5°	1035.6	1057.7	1072.4	1080.4	1072.4	1057.7	1035.6	1010.1	982.8	956.8	926.9
-55°	903.7	917.7	924.9	926.6	924.9	917.7	903.7	886.9	867.7	847.4	823.6
-57.5°	799.3	808.3	815.5	820.6	815.5	808.3	799.3	788.2	775.1	760.9	745.8
-60°	714.5	722.3	726.4	727.5	726.4	722.3	714.5	704.3	691.7	677.4	660.4
-62.5°	619.5	628.8	636.0	640.9	636.0	628.8	619.5	606.8	590.5	570.6	547.2
-65°	503.0	517.0	524.5	528.3	524.5	517.0	503.0	486.9	469.2	450.1	428.8
-67.5°	379.1	386.2	387.9	387.5	387.9	386.2	379.1	369.8	358.3	342.9	323.4
-70°	291.1	301.7	305.6	307.4	305.6	301.7	291.1	279.5	267.1	253.2	237.1
-72.5°	210.4	217.9	222.3	225.2	222.3	217.9	210.4	202.0	192.8	182.1	169.4
-75°	125.7	128.7	130.7	132.1	130.7	128.7	125.7	122.0	117.6	112.6	106.5
-77.5°	80.4	83.8	85.3	86.6	85.3	83.8	80.4	76.9	73.3	69.4	64.4
-80°	56.1	58.2	58.4	58.5	58.4	58.2	56.1	54.0	51.8	49.4	46.0
-82.5°	37.6	38.9	39.0	39.0	39.0	38.9	37.6	36.4	35.0	33.6	31.7
-85°	29.1	30.2	30.3	30.3	30.3	30.2	29.1	27.9	26.7	25.5	23.7
-87.5°	21.1	21.7	22.7	23.8	22.7	21.7	21.1	20.6	20.0	19.4	17.8
-90°	2.7	2.2	1.1	0.0	1.1	2.2	2.7	3.3	3.8	4.3	4.9



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	15.1	14.1	13.0	11.9	10.8	9.8	8.7	8.7	8.7	8.7	8.7
87.5°	5.4	6.0	6.5	6.5	6.5	6.5	6.5	7.1	7.6	8.2	8.7
85°	5.4	6.0	6.5	6.9	7.3	7.6	7.9	8.0	8.2	8.4	8.7
82.5°	5.4	6.0	6.5	7.1	7.6	8.2	8.7	8.7	8.7	8.7	8.7
80°	5.5	6.0	6.6	7.1	7.7	8.2	8.7	8.7	8.7	8.7	8.7
77.5°	5.5	6.1	6.6	7.2	7.7	8.3	8.7	8.7	8.7	8.7	8.7
75°	6.9	7.3	7.7	8.1	8.4	8.5	8.9	9.2	9.4	9.4	9.2
72.5°	9.7	10.2	10.7	11.4	11.6	12.0	12.0	11.8	11.5	11.1	10.6
70°	12.4	13.3	14.8	16.7	17.9	18.5	17.8	16.5	15.1	14.3	13.2
67.5°	13.7	14.8	17.6	20.6	22.9	24.7	24.7	23.4	21.7	19.9	17.0
65°	13.8	15.0	19.0	23.2	26.8	29.8	31.9	32.0	30.7	27.6	22.2
62.5°	13.4	15.0	18.3	22.2	26.9	33.4	40.0	42.4	42.2	37.2	29.9
60°	11.7	13.4	15.9	19.1	23.0	31.9	43.0	51.2	56.2	48.3	37.7
57.5°	10.2	11.3	13.0	15.4	18.5	28.5	41.6	56.4	65.7	55.1	45.0
55°	8.5	9.5	10.7	11.9	13.9	23.2	35.5	50.0	60.6	57.4	46.4
52.5°	8.6	9.2	9.8	10.4	12.5	17.8	26.1	39.7	47.6	47.0	43.5
50°	10.5	10.2	10.2	10.6	11.9	13.8	19.1	28.4	32.8	36.1	35.8
47.5°	12.7	12.2	11.2	10.9	12.1	13.5	15.6	18.0	23.2	25.1	27.4
45°	15.2	15.2	14.6	13.9	13.2	13.9	15.1	17.1	18.4	20.7	19.8
42.5°	20.9	19.6	18.4	19.1	18.1	16.8	16.6	18.6	19.1	19.5	20.9
40°	32.5	28.8	27.5	27.1	26.1	22.8	23.3	22.7	22.5	21.1	24.5
37.5°	56.4	49.1	45.4	39.6	37.5	35.3	33.5	31.6	28.6	29.4	31.2
35°	97.7	87.6	76.4	64.6	53.2	51.9	47.2	43.0	40.7	40.9	40.5
32.5°	156.6	157.7	131.1	108.6	89.6	76.5	66.8	57.1	59.7	57.6	52.9
30°	314.2	292.3	249.0	193.9	163.9	120.7	93.5	87.0	83.0	78.7	68.0
27.5°	608.4	509.7	444.4	390.7	287.4	209.2	152.0	124.4	111.4	102.8	93.7
25°	1043.0	862.6	777.0	681.6	529.2	381.5	261.4	184.7	149.8	134.8	155.0
22.5°	1659.1	1529.1	1261.4	1056.6	943.4	756.6	499.8	257.2	210.2	224.8	227.2
20°	3001.0	2742.0	2150.9	1917.1	1662.7	1246.2	842.2	530.0	392.5	340.2	310.1
17.5°	6534.3	4896.2	4312.7	3691.2	2865.1	2017.2	1648.2	1096.3	629.8	474.1	402.8
15°	12397.5	9827.1	8062.7	6476.9	4978.5	3989.1	2957.5	1813.1	988.1	661.8	535.9
12.5°	22799.8	16939.2	12604.0	10333.8	8447.6	6677.8	4794.6	2952.8	1590.3	948.6	736.8
10°	34315.4	25628.7	19188.3	15157.2	12309.5	9724.5	6858.4	4196.7	2272.0	1273.3	942.3
7.5°	47891.6	35394.0	26195.7	19806.0	15684.1	12177.8	8706.6	5448.4	2961.0	1604.6	1149.4
5°	59674.0	43499.8	31495.1	23442.1	18529.2	14532.7	10477.7	6664.7	3628.8	1932.5	1354.1
2.5°	67944.0	49573.4	35914.6	26726.9	20948.8	16375.4	11857.7	7560.0	4067.5	2159.4	1476.6
0°	72222.3	53381.9	38503.5	27931.5	21945.1	16980.6	12648.3	8095.2	4332.3	2342.6	1589.2
-2.5°	71042.3	52469.8	38185.2	28164.6	22108.6	17033.2	12493.5	8174.0	4439.6	2398.8	1599.0
-5°	65739.7	47504.1	34488.1	25646.1	20332.9	15858.2	11704.8	7789.8	4346.6	2384.8	1598.8
-7.5°	57146.1	41471.3	30145.5	22667.6	18043.1	14147.7	10474.9	6961.4	3962.3	2196.9	1514.9
-10°	46717.8	34841.3	25962.6	20064.6	15879.5	12364.3	9132.5	6040.1	3480.3	1980.1	1423.2
-12.5°	37834.2	28807.7	21814.4	17350.2	13855.6	10797.8	7859.8	5091.3	2906.5	1739.4	1325.5
-15°	29817.6	23749.4	19004.8	15122.4	11887.7	9219.2	6639.1	4149.6	2294.3	1489.0	1222.9
-17.5°	25000.0	19910.9	16286.0	13077.7	10253.2	7742.6	5477.2	3391.8	1904.0	1304.3	1137.3
-20°	20987.1	17365.9	14061.3	11183.0	8668.4	6390.2	4297.0	2579.2	1596.3	1207.6	1066.4



REPORT NUMBER: P701713 (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°	17769.9	14961.0	12048.1	9345.8	7056.5	5063.2	3279.6	1889.4	1256.7	1109.4	991.5
-25°	14574.3	12489.6	10055.0	7760.5	5572.1	3711.0	2296.5	1524.7	1159.6	1018.1	912.7
-27.5°	11623.7	9868.6	8198.7	6140.9	4199.9	2660.9	1689.1	1213.3	1081.0	955.8	835.3
-30°	8965.9	7611.3	6156.2	4505.2	2991.2	1847.6	1288.1	1128.4	1011.4	896.0	780.8
-32.5°	6678.0	5506.1	4214.9	3021.5	1966.9	1388.0	1174.7	1048.6	943.7	837.7	745.1
-35°	4617.8	3639.9	2620.6	1920.8	1388.4	1219.6	1104.0	990.8	878.7	783.6	711.2
-37.5°	2865.9	2160.1	1730.2	1344.7	1244.7	1145.1	1043.6	928.9	818.6	743.2	680.3
-40°	1817.9	1445.5	1337.9	1245.3	1163.1	1082.5	968.7	857.4	778.4	704.5	650.1
-42.5°	1395.0	1310.7	1234.8	1163.4	1082.9	982.6	886.4	811.0	738.9	674.9	628.7
-45°	1269.4	1206.8	1143.5	1060.1	968.6	895.8	832.5	765.0	700.9	652.2	610.1
-47.5°	1148.1	1082.1	1011.8	950.0	887.2	828.1	774.4	718.7	673.3	628.9	569.5
-50°	1008.9	959.6	909.7	861.1	812.2	762.3	722.6	687.9	638.4	581.0	518.7
-52.5°	894.2	857.8	819.3	779.7	747.0	714.2	680.7	634.1	582.7	517.4	448.8
-55°	796.5	772.6	748.4	723.4	694.3	652.4	610.2	561.3	502.6	438.7	378.2
-57.5°	730.3	709.1	678.7	646.4	612.2	565.6	514.5	463.9	417.3	362.6	307.2
-60°	640.3	616.7	580.0	539.7	495.9	451.2	413.0	373.3	332.3	286.8	239.7
-62.5°	519.8	488.4	456.3	423.7	388.4	351.9	319.1	286.0	250.1	211.7	179.6
-65°	405.1	379.1	350.8	322.1	292.1	261.1	232.4	206.1	180.9	153.8	127.2
-67.5°	301.4	276.9	252.2	229.3	209.0	186.5	165.5	143.5	127.7	114.1	100.0
-70°	220.2	202.6	184.8	165.8	148.4	133.6	121.7	110.3	98.2	84.3	70.3
-72.5°	156.9	145.0	133.3	121.6	110.6	98.8	86.5	74.2	62.0	50.0	41.4
-75°	99.5	91.6	82.6	73.2	63.5	53.6	47.4	43.2	39.1	35.0	31.0
-77.5°	59.5	54.5	49.8	45.9	41.9	37.7	33.7	30.7	28.7	26.7	24.8
-80°	42.6	39.2	35.9	33.3	30.7	28.2	26.0	24.5	23.1	21.7	20.4
-82.5°	29.7	27.6	25.6	24.0	22.4	20.7	19.1	18.2	17.4	16.7	15.9
-85°	21.9	20.1	18.2	17.0	15.9	14.7	13.6	13.4	13.1	12.9	12.6
-87.5°	16.2	14.6	13.0	12.4	11.8	11.1	10.4	10.4	10.3	10.2	10.2
-90°	5.4	6.0	6.5	6.5	6.5	6.5	6.5	7.1	7.6	8.2	8.7



REPORT NUMBER: P701713 (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°	8.7	8.7	8.7	8.7	9.2	9.8	10.3	10.8	10.3	9.8	9.2
87.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.9	9.1	9.2
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	9.1	9.4	9.7
82.5°	8.7	8.7	8.7	8.7	9.0	9.2	9.3	9.3	9.5	9.8	10.1
80°	8.7	8.7	8.7	8.8	9.3	9.8	10.1	10.2	10.1	10.2	10.4
77.5°	8.7	8.7	8.7	8.8	9.4	9.9	10.4	10.8	10.7	10.5	10.6
75°	8.8	8.7	8.7	8.9	9.4	9.9	10.4	10.8	10.8	10.8	10.7
72.5°	10.1	9.7	9.2	9.0	9.5	10.0	10.5	10.8	10.8	10.8	10.8
70°	12.0	11.0	10.4	10.0	9.9	10.1	10.6	10.8	10.8	10.8	10.8
67.5°	14.1	12.8	11.7	10.9	10.5	10.4	10.7	10.8	10.8	10.8	10.8
65°	18.8	15.6	12.9	11.8	11.1	10.7	10.8	10.8	10.8	10.8	10.8
62.5°	24.0	19.6	16.2	13.1	11.5	11.0	10.8	10.8	10.8	10.8	10.8
60°	29.5	23.6	19.4	16.0	12.9	11.1	10.8	10.8	10.8	10.8	10.8
57.5°	34.6	26.9	22.2	18.4	15.1	12.1	10.8	10.8	10.8	10.8	10.8
55°	37.7	29.7	24.4	20.2	16.9	13.8	11.4	10.8	10.8	10.8	10.8
52.5°	35.9	30.9	26.3	21.5	17.8	15.3	12.8	10.8	10.8	10.8	10.8
50°	31.4	30.3	27.0	22.4	18.4	16.0	14.1	11.8	10.8	10.8	10.9
47.5°	28.4	29.0	27.0	22.9	18.6	16.7	14.9	12.8	10.8	10.8	11.1
45°	25.0	27.5	26.8	23.4	19.2	17.3	15.5	13.6	11.5	10.9	11.3
42.5°	22.5	26.1	26.3	24.1	20.8	17.9	16.0	14.1	12.1	11.1	11.5
40°	25.7	25.5	26.4	25.8	22.9	18.5	16.5	14.6	12.6	11.4	11.6
37.5°	30.7	28.6	27.1	30.1	25.7	20.6	17.0	15.0	13.4	12.0	11.7
35°	38.8	34.7	33.6	36.3	31.5	22.9	17.4	15.4	14.4	12.6	11.8
32.5°	48.7	45.9	45.2	43.9	39.2	25.3	18.9	17.0	15.5	13.2	12.0
30°	64.9	66.8	58.7	53.0	48.0	32.4	21.9	18.8	16.9	13.8	12.2
27.5°	100.3	93.8	75.5	65.4	56.8	41.7	26.9	20.9	18.5	14.6	12.7
25°	147.4	129.7	102.0	79.4	66.6	65.0	32.5	23.3	20.2	15.8	13.1
22.5°	208.5	173.6	132.7	94.4	101.7	95.6	45.1	27.8	22.1	17.0	13.6
20°	278.4	224.0	175.1	145.9	142.8	126.5	67.4	32.7	24.0	18.4	14.0
17.5°	355.7	309.2	265.7	212.7	186.5	160.7	93.5	37.8	26.1	19.7	14.4
15°	493.6	436.9	364.2	285.2	232.1	197.6	122.5	43.0	28.2	21.1	15.0
12.5°	651.6	571.2	468.0	362.0	279.2	236.5	153.5	48.3	30.4	23.1	16.1
10°	814.1	709.8	575.1	441.4	327.1	276.5	185.2	55.1	34.8	25.5	17.2
7.5°	978.6	850.2	683.6	521.7	376.0	319.3	220.5	65.5	39.7	28.0	18.4
5°	1132.3	973.6	774.9	591.0	428.0	364.0	254.8	75.8	44.6	30.3	19.5
2.5°	1237.1	1067.3	851.6	654.2	479.0	407.3	286.3	85.8	49.5	32.5	20.6
0°	1335.8	1154.0	922.3	712.3	528.3	448.2	313.9	95.3	54.1	34.6	21.7
-2.5°	1354.0	1168.7	932.2	727.0	548.5	464.0	324.5	112.5	65.5	40.8	24.7
-5°	1364.7	1174.4	935.6	736.6	566.3	476.0	330.5	128.5	76.4	46.6	27.6
-7.5°	1311.3	1136.7	917.9	737.8	581.3	484.2	332.4	143.0	86.3	52.0	30.2
-10°	1239.8	1070.4	872.1	710.6	576.8	482.9	330.5	155.8	95.1	56.7	32.6
-12.5°	1164.7	999.3	824.6	681.9	568.2	474.1	324.4	167.1	102.6	60.6	34.6
-15°	1087.2	924.5	776.8	652.7	559.1	463.7	316.3	176.5	109.9	64.3	36.2
-17.5°	1011.5	847.2	730.0	624.0	550.1	452.1	306.6	183.5	115.4	67.7	38.0
-20°	938.6	788.4	686.4	596.7	541.6	439.8	296.0	188.0	119.0	69.9	39.7



REPORT NUMBER: P701713 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-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°	865.2	748.0	657.8	581.6	529.2	427.3	284.8	189.6	120.6	70.7	40.8
-25°	794.3	708.8	631.1	571.2	510.9	408.8	279.3	188.3	120.0	69.9	41.4
-27.5°	743.8	673.0	605.0	559.6	489.1	391.5	276.6	187.2	117.9	67.6	41.3
-30°	703.1	643.7	588.4	543.4	466.8	365.8	270.2	183.1	115.1	66.1	40.5
-32.5°	673.9	616.2	573.3	517.6	438.1	338.5	254.3	176.0	110.1	65.1	39.5
-35°	650.0	597.7	555.9	491.8	405.5	314.6	233.8	165.7	102.7	63.2	37.9
-37.5°	624.7	582.9	527.9	460.9	371.6	288.0	213.3	149.3	93.0	60.3	35.6
-40°	608.1	561.5	501.1	422.7	338.8	258.9	190.4	132.9	86.8	56.5	32.6
-42.5°	589.1	530.0	460.9	382.8	304.3	231.1	165.9	115.2	79.6	52.1	28.8
-45°	552.5	489.6	413.5	339.9	267.6	200.7	145.1	97.8	71.3	46.9	25.5
-47.5°	508.4	435.0	363.6	294.3	231.1	170.2	123.1	87.5	62.1	40.7	23.3
-50°	446.2	377.8	311.3	250.2	191.5	144.7	102.5	76.1	53.1	32.9	20.8
-52.5°	382.4	318.3	260.5	205.7	159.3	117.9	88.6	64.0	43.6	27.7	17.9
-55°	317.0	262.0	211.2	167.0	127.7	98.4	73.5	52.5	33.5	23.6	15.0
-57.5°	256.3	207.7	167.9	130.7	103.1	80.4	59.0	40.3	27.6	19.5	15.2
-60°	196.9	161.5	126.8	104.0	83.4	63.2	44.7	30.2	23.1	16.2	15.3
-62.5°	147.5	119.2	101.2	82.7	64.3	46.7	31.5	25.2	18.4	16.0	15.3
-65°	111.4	95.1	78.4	61.8	45.5	32.6	26.2	20.2	16.9	15.7	15.0
-67.5°	85.5	70.1	55.2	40.5	32.5	26.5	20.7	17.8	16.1	15.2	14.4
-70°	56.9	43.9	36.4	30.9	25.4	20.7	18.4	16.4	15.2	14.5	13.8
-72.5°	36.9	32.3	27.6	23.1	21.0	18.8	16.6	15.0	14.4	13.8	13.2
-75°	27.0	24.7	22.7	20.9	18.9	16.9	15.2	14.1	13.6	13.1	12.5
-77.5°	23.1	21.5	20.0	18.3	16.5	15.0	13.9	13.2	12.8	12.3	11.9
-80°	19.1	17.7	16.2	14.8	13.7	13.0	12.6	12.3	12.0	11.6	11.2
-82.5°	14.7	13.8	13.0	12.4	12.1	11.9	11.6	11.4	11.1	10.9	10.6
-85°	12.1	11.7	11.4	11.1	11.0	10.8	10.8	10.8	10.7	10.5	10.2
-87.5°	10.1	10.0	10.0	9.9	10.1	10.3	10.5	10.8	10.5	10.1	9.7
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7



REPORT NUMBER: P701713 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.7	9.2	9.8	10.3	10.8	9.7	8.7
87.5°	9.2	9.2	9.1	9.0	8.9	8.8	8.7
85°	9.8	9.6	9.4	9.2	9.1	8.9	8.7
82.5°	10.3	10.1	9.8	9.5	9.2	9.0	8.7
80°	10.8	10.5	10.2	9.8	9.4	9.1	8.7
77.5°	10.8	10.8	10.5	10.1	9.6	9.2	8.7
75°	10.8	10.8	10.8	10.3	9.8	9.2	8.7
72.5°	10.8	10.8	10.8	10.6	10.0	9.3	8.7
70°	10.8	10.8	10.8	10.8	10.1	9.4	8.7
67.5°	10.8	10.8	10.8	10.8	10.3	9.5	8.7
65°	10.8	10.8	10.8	10.8	10.5	9.6	8.7
62.5°	10.8	10.8	10.8	10.8	10.6	9.7	8.7
60°	10.8	10.8	10.8	10.8	10.8	9.7	8.7
57.5°	10.8	10.8	10.8	10.8	10.8	9.8	8.7
55°	10.8	10.8	10.8	10.8	10.8	9.9	8.7
52.5°	10.8	10.8	10.8	10.8	10.8	10.0	8.7
50°	10.8	10.8	10.8	10.8	10.8	10.0	8.7
47.5°	10.8	10.8	10.8	10.8	10.8	10.1	8.7
45°	11.0	10.8	10.8	10.8	10.8	10.2	8.7
42.5°	11.2	10.8	10.8	10.8	10.8	10.2	8.7
40°	11.5	10.8	10.8	10.8	10.8	10.3	8.7
37.5°	11.7	10.8	10.8	10.8	10.8	10.4	8.7
35°	12.0	10.9	10.8	10.8	10.8	10.4	8.7
32.5°	12.3	11.2	10.8	10.8	10.8	10.5	8.7
30°	12.4	11.4	10.8	10.8	10.8	10.5	8.7
27.5°	12.5	11.7	10.8	10.8	10.8	10.6	8.7
25°	12.7	11.9	10.8	10.8	10.8	10.6	8.7
22.5°	12.8	12.2	10.8	10.8	10.8	10.6	8.7
20°	12.9	12.3	10.8	10.8	10.8	10.7	8.7
17.5°	13.1	12.5	10.8	10.8	10.8	10.7	8.7
15°	13.4	12.6	10.8	10.8	10.8	10.7	8.7
12.5°	13.6	12.7	10.8	10.8	10.8	10.8	8.7
10°	13.9	12.8	10.8	10.8	10.8	10.8	8.7
7.5°	14.2	12.9	10.8	10.8	10.8	10.8	8.7
5°	14.6	13.0	10.8	10.8	10.8	10.8	8.7
2.5°	14.9	13.0	10.8	10.8	10.8	10.8	8.7
0°	15.2	13.0	10.8	10.8	10.8	10.8	8.7
-2.5°	16.6	13.2	10.8	10.8	10.8	10.8	8.7
-5°	18.0	13.4	10.8	10.8	10.8	10.8	8.7
-7.5°	19.2	13.6	10.8	10.8	10.8	10.8	8.7
-10°	20.3	13.7	10.8	10.8	10.8	10.8	8.7
-12.5°	21.2	13.8	10.8	10.8	10.8	10.8	8.7
-15°	21.9	13.8	10.8	10.8	10.8	10.7	8.7
-17.5°	22.3	13.8	10.8	10.8	10.8	10.7	8.7
-20°	22.7	13.7	10.8	10.8	10.8	10.7	8.7



REPORT NUMBER: P701713 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	23.1	13.5	10.8	10.8	10.8	10.7	8.7
-25°	23.2	13.5	10.8	10.8	10.8	10.6	8.7
-27.5°	22.9	13.4	10.8	10.8	10.8	10.6	8.7
-30°	22.1	13.3	10.8	10.8	10.8	10.6	8.7
-32.5°	20.8	12.9	11.0	10.8	10.8	10.6	8.7
-35°	20.0	12.4	11.1	10.8	10.8	10.5	8.7
-37.5°	19.3	12.0	11.3	10.8	10.8	10.5	8.7
-40°	18.4	12.2	11.4	10.8	10.8	10.5	8.7
-42.5°	17.1	12.3	11.6	10.8	10.8	10.4	8.7
-45°	15.6	12.5	11.6	10.9	10.8	10.4	8.7
-47.5°	13.8	12.7	11.7	10.9	10.8	10.4	8.7
-50°	13.7	12.8	11.7	11.0	10.8	10.3	8.7
-52.5°	13.9	13.0	11.7	11.0	10.8	10.3	8.7
-55°	14.0	13.0	11.7	11.0	10.8	10.3	8.7
-57.5°	14.2	12.9	11.7	11.0	10.8	10.2	8.7
-60°	14.3	12.7	11.6	11.0	10.8	10.2	8.7
-62.5°	14.0	12.5	11.5	10.9	10.8	10.2	8.7
-65°	13.7	12.3	11.4	10.9	10.8	10.1	8.7
-67.5°	13.3	12.1	11.3	10.9	10.8	10.1	8.7
-70°	12.9	11.8	11.2	10.8	10.8	10.1	8.7
-72.5°	12.4	11.6	11.0	10.8	10.8	10.0	8.7
-75°	11.9	11.2	10.8	10.7	10.8	10.0	8.7
-77.5°	11.4	10.9	10.7	10.6	10.8	10.0	8.7
-80°	10.9	10.6	10.5	10.6	10.8	9.9	8.7
-82.5°	10.3	10.3	10.3	10.5	10.8	9.9	8.7
-85°	9.8	9.9	10.1	10.4	10.8	9.8	8.7
-87.5°	9.2	9.6	9.9	10.3	10.8	9.8	8.7
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7

(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

