

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: P701635 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-80-3S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701635 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-20)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-40-80-3S-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

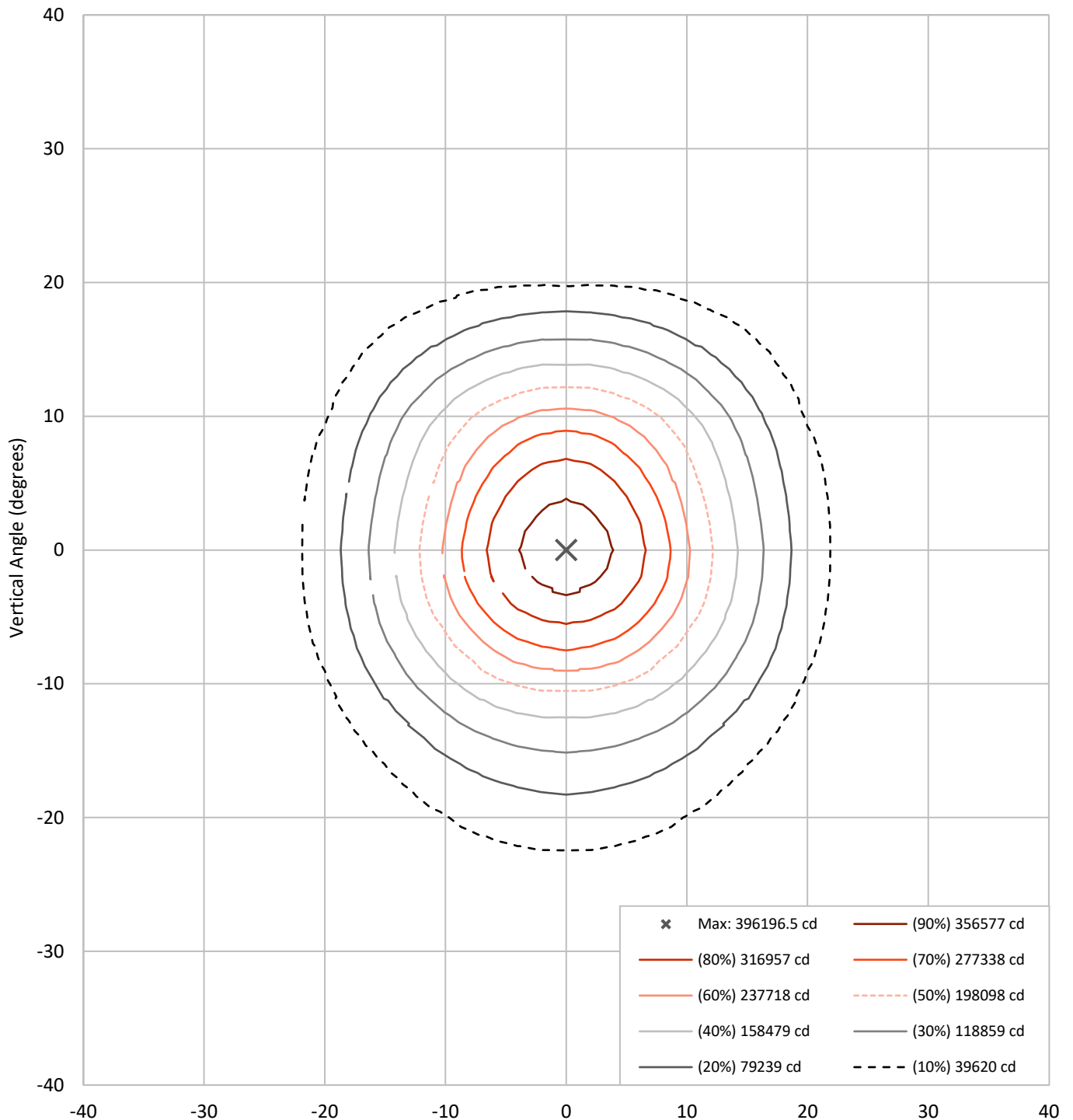
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	82114.9 lumens	Max Intensity:	396196.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	117.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.3°H x 22.7°V	Field Angle (10%):	43.8°H x 42.1°V
Beam Lumens:	38721 lumens	Field Lumens:	69951.2 lumens
Beam Efficiency:	47.2%	Field Efficiency:	85.2%

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





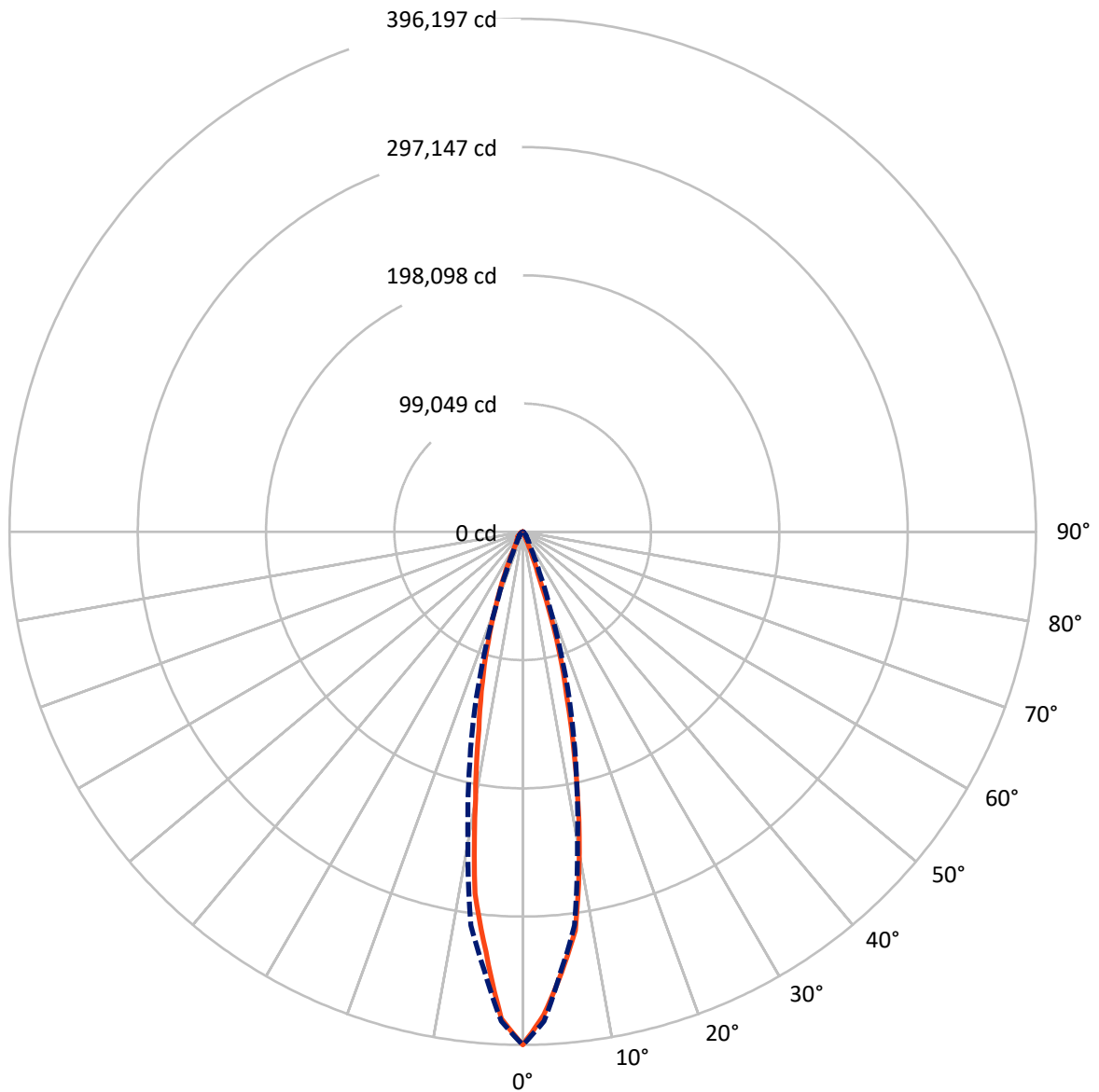
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Lumen Table

90	0.1		0.2		0.5		0.5		0.5		0.5		0.2		0.1			
80	0.1		0.2		0.5		0.5		0.5		0.5		0.2		0.1			
70	0.1	0.1	0.2	0.7	0.9	0.6	0.4	0.4	0.4	0.4	0.6	0.9	0.7	0.2	0.1	0.1		
60		0.1	0.5	0.9	0.7	0.4	0.3	0.4	0.4	0.3	0.4	0.7	0.9	0.5	0.1			
50	0.2	0.3	0.7	0.7	0.8	1.2	2.2	1.5	1.5	2.2	1.2	0.8	0.7	0.7	0.3	0.2		
40		0.4	1.4	3.2	5.8	8.4	11.5	13.7	13.7	11.5	8.4	5.8	3.2	1.4	0.4			
30	0.2	0.8	5.6	17.5	40.5	67.4	138.5	266.6	266.6	138.5	67.4	40.5	17.5	5.6	0.8	0.2		
20		1.7	12.0	44.6	108.0	285.8	1573.7	3713.8	3713.8	1573.7	285.8	108.0	44.6	12.0	1.7			
10	0.4	2.6	15.9	59.3	138.9	609.6	3772.7	8847.7	8847.7	3772.7	609.6	138.9	59.3	15.9	2.6	0.4		
0		3.2	17.0	60.3	139.2	603.6	3706.8	8478.8	8478.8	3706.8	603.6	139.2	60.3	17.0	3.2			
-10	0.7	3.8	16.1	50.1	109.5	288.1	1502.9	3391.9	3391.9	1502.9	288.1	109.5	50.1	16.1	3.8	0.7		
-20		4.0	15.0	37.5	93.3	163.3	373.9	764.5	764.5	373.9	163.3	93.3	37.5	15.0	4.0			
-30	0.6	3.5	12.9	28.4	68.8	135.0	189.7	233.0	233.0	189.7	135.0	68.8	28.4	12.9	3.5	0.6		
-40		2.5	9.8	22.4	41.8	74.2	121.4	155.5	155.5	121.4	74.2	41.8	22.4	9.8	2.5			
-50	0.3	1.3	6.0	15.0	28.5	43.9	58.8	68.0	68.0	58.8	43.9	28.5	15.0	6.0	1.3	0.3		
-60		0.5	2.1	6.5	13.3	21.1	28.8	33.2	33.2	28.8	21.1	13.3	6.5	2.1	0.5			
-70	0.2	0.5	2.1	6.5	13.3	21.1	28.8	33.2	33.2	28.8	21.1	13.3	6.5	2.1	0.5	0.2		
-80		0.2	1.2	4.2	10.8	14.6	10.8	4.2	1.2	0.2	0.2	1.2	4.2	10.8	14.6		10.8	4.2
-90	0.2		1.2		4.2		10.8		14.6		10.8		4.2		1.2		0.2	

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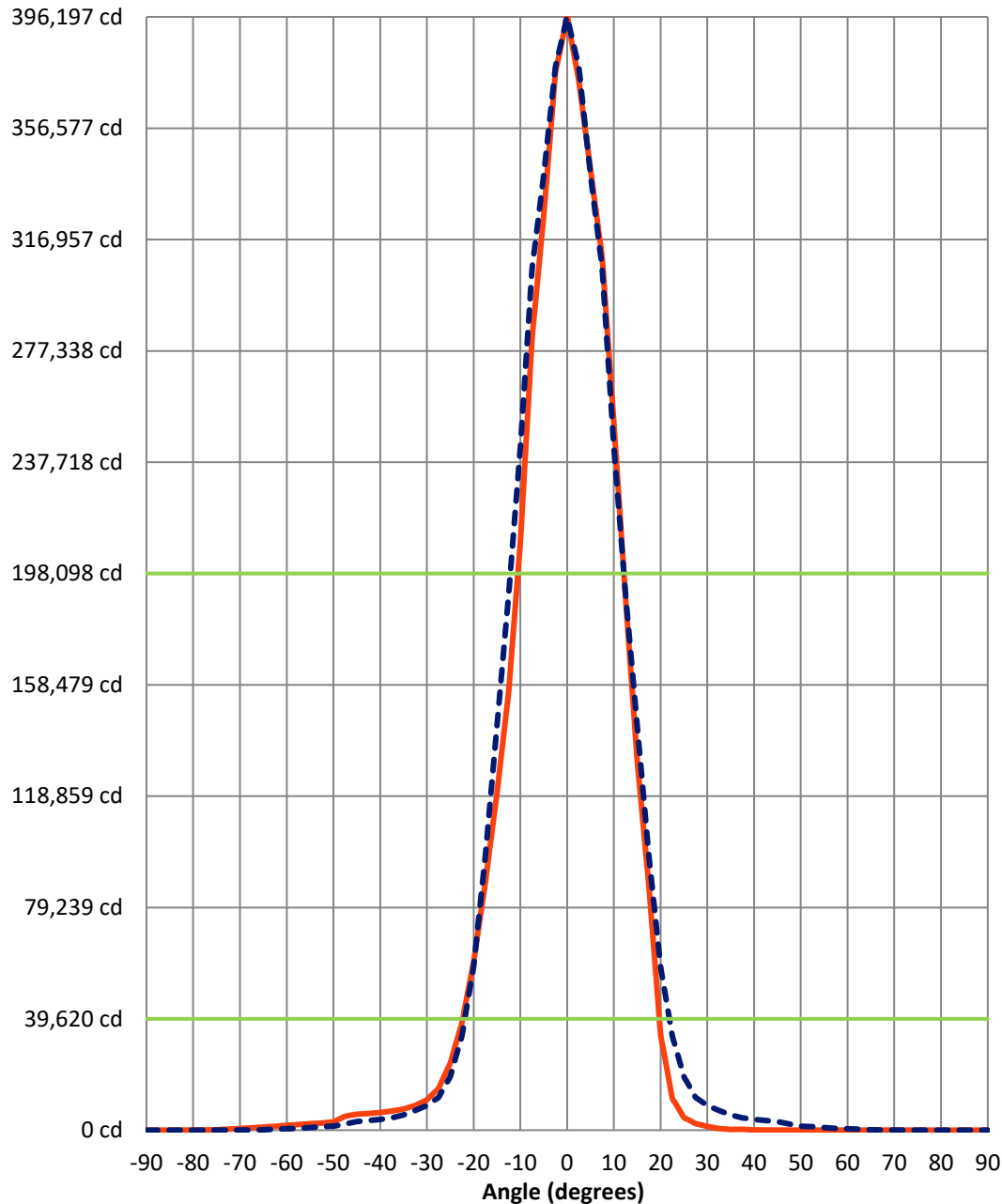
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24.3°
 V Angle: 22.7°
 Lumens: 38721
 Efficiency: 47.2%

Field:
 H Angle: 43.8°
 V Angle: 42.1°
 Lumens: 69951.2
 Efficiency: 85.2%

Spill:
 Lumens: 12163.7
 Efficiency: 14.8%

— 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°	4.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
87.5°	4.0	4.1	4.2	4.2	4.2	4.1	4.0	4.0	4.0	4.0	4.0
85°	4.0	4.2	4.3	4.4	4.3	4.2	4.0	4.0	4.0	4.0	4.0
82.5°	4.0	4.3	4.5	4.6	4.5	4.3	4.0	4.0	4.0	4.1	4.0
80°	4.0	4.3	4.7	4.8	4.7	4.5	4.1	4.3	4.4	4.3	4.0
77.5°	4.0	4.4	4.9	5.0	4.9	4.7	4.6	4.8	4.8	4.5	4.1
75°	4.0	4.5	5.0	5.2	5.1	5.0	5.1	5.3	5.1	4.6	4.2
72.5°	4.0	4.6	5.2	5.4	5.3	5.3	5.6	5.7	5.2	4.7	4.2
70°	4.0	4.7	5.4	5.6	5.4	5.6	6.0	5.7	5.2	4.8	4.8
67.5°	4.0	4.8	5.5	5.7	5.6	5.9	6.0	5.8	5.3	5.2	5.5
65°	4.0	4.8	5.7	5.7	5.7	6.0	6.0	5.8	5.6	5.7	6.1
62.5°	4.0	4.9	5.8	5.8	5.9	6.0	6.0	5.9	5.8	6.1	6.3
60°	4.0	5.0	6.0	5.8	6.0	6.0	6.0	6.0	6.0	6.5	6.6
57.5°	4.0	5.1	6.0	5.9	6.0	6.0	6.1	6.0	6.4	6.9	6.9
55°	4.0	5.1	6.0	5.9	6.0	6.0	6.2	6.1	6.9	7.4	7.4
52.5°	4.0	5.2	6.0	6.0	6.0	6.0	6.4	6.7	7.5	8.0	7.9
50°	4.0	5.3	6.0	6.0	6.0	6.2	6.6	7.3	8.1	8.6	10.6
47.5°	4.0	5.4	6.0	6.0	6.0	6.4	6.9	7.8	8.8	9.3	13.3
45°	4.0	5.4	6.0	6.0	6.0	6.7	7.3	8.4	9.4	11.4	15.8
42.5°	4.0	5.5	6.0	6.0	6.0	6.9	7.8	8.9	10.0	13.3	20.3
40°	4.0	5.5	6.0	6.0	6.1	7.2	8.3	9.5	10.9	15.0	25.0
37.5°	4.0	5.6	6.0	6.0	6.3	7.5	8.7	10.0	12.2	17.3	29.6
35°	4.0	5.6	6.0	6.0	6.5	7.8	9.1	10.5	13.5	21.4	33.2
32.5°	4.0	5.7	6.0	6.0	6.7	8.1	9.5	10.9	14.6	25.4	36.5
30°	4.0	5.7	6.0	6.0	7.0	8.5	9.9	11.5	15.6	29.5	39.9
27.5°	4.0	5.8	6.0	6.0	7.1	8.8	10.3	12.3	17.3	33.5	43.5
25°	4.0	5.8	6.0	6.0	7.3	9.1	10.7	13.1	20.5	36.8	47.2
22.5°	4.0	5.8	6.0	6.0	7.5	9.3	11.0	13.7	23.6	39.7	53.8
20°	4.0	5.9	6.0	6.0	7.6	9.5	11.3	14.3	26.5	42.5	60.8
17.5°	4.0	5.9	6.0	6.0	7.7	9.6	11.6	14.7	29.2	45.3	68.3
15°	4.0	5.9	6.0	6.0	7.8	9.8	12.0	15.4	31.8	48.0	75.9
12.5°	4.0	6.0	6.0	6.0	7.9	9.9	12.4	16.2	34.7	50.6	83.5
10°	4.0	6.0	6.0	6.0	8.0	9.9	12.8	17.1	38.0	54.8	92.1
7.5°	4.0	6.0	6.0	6.0	8.0	10.0	13.1	17.9	41.0	59.0	102.6
5°	4.0	6.0	6.0	6.0	8.1	10.1	13.5	18.7	43.8	63.1	112.8
2.5°	4.0	6.0	6.0	6.0	8.1	10.1	13.8	19.4	46.2	67.0	122.3
0°	4.0	6.0	6.0	6.0	8.1	10.1	13.8	19.4	46.2	67.0	122.3
-2.5°	4.0	6.0	6.1	6.3	8.4	11.0	16.5	26.4	59.4	88.6	154.1
-5°	4.0	6.0	6.2	6.5	8.8	11.8	18.8	32.4	69.8	105.9	175.9
-7.5°	4.0	6.0	6.3	6.8	9.1	12.6	20.9	38.1	79.4	122.2	195.9
-10°	4.0	6.0	6.4	7.0	9.4	13.3	22.9	43.2	87.8	137.0	214.0
-12.5°	4.0	6.0	6.4	7.3	9.7	14.0	24.6	47.6	95.0	150.3	232.2
-15°	4.0	5.9	6.5	7.5	9.9	14.6	26.0	51.1	101.4	162.3	248.3
-17.5°	4.0	5.9	6.6	7.7	10.1	15.0	27.0	54.5	107.0	172.4	260.6
-20°	4.0	5.9	6.6	7.9	10.4	15.4	28.0	57.3	110.8	180.3	268.8



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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°	4.0	5.9	6.7	8.1	10.6	15.6	28.9	58.9	112.6	185.9	272.5
-25°	4.0	5.9	6.7	8.3	10.7	15.8	29.2	59.2	112.2	189.0	271.4
-27.5°	4.0	5.8	6.8	8.4	10.9	15.9	28.8	58.1	109.7	189.2	273.9
-30°	4.0	5.8	6.8	8.5	11.0	15.8	27.6	55.5	107.2	185.8	273.5
-32.5°	4.0	5.8	6.8	8.6	11.1	15.5	25.6	53.6	104.0	179.3	269.5
-35°	4.0	5.7	6.8	8.6	11.2	15.0	24.6	51.3	98.7	169.7	262.0
-37.5°	4.0	5.7	6.8	8.6	11.2	14.6	24.0	47.7	91.2	157.0	245.3
-40°	4.0	5.7	6.7	8.6	11.1	14.6	23.1	42.9	81.5	145.1	224.6
-42.5°	4.0	5.7	6.7	8.6	11.0	14.5	21.9	36.9	73.2	129.8	200.8
-45°	4.0	5.6	6.6	8.5	10.9	14.3	20.4	32.1	64.8	112.0	174.9
-47.5°	4.0	5.6	6.5	8.4	10.8	14.0	18.6	29.9	54.9	92.2	152.3
-50°	4.0	5.6	6.5	8.2	10.6	13.6	17.9	27.4	43.0	78.5	127.0
-52.5°	4.0	5.5	6.4	8.1	10.4	13.2	17.3	24.5	36.6	63.5	100.5
-55°	4.0	5.5	6.3	7.9	10.1	12.8	16.6	21.4	32.5	47.4	81.9
-57.5°	4.0	5.5	6.1	7.7	9.9	12.4	15.7	20.3	28.2	39.7	62.0
-60°	4.0	5.4	6.0	7.5	9.6	12.0	14.8	19.1	24.2	34.3	45.8
-62.5°	4.0	5.4	6.0	7.3	9.2	11.5	14.2	17.8	22.6	28.6	39.2
-65°	4.0	5.4	6.0	7.0	8.8	11.0	13.5	16.5	20.9	25.8	32.3
-67.5°	4.0	5.3	6.0	6.8	8.4	10.4	12.7	15.6	19.1	23.6	28.4
-70°	4.0	5.3	6.0	6.5	8.0	9.8	11.9	14.6	17.7	21.2	25.6
-72.5°	4.0	5.3	6.0	6.4	7.5	9.1	11.0	13.5	16.3	19.5	22.9
-75°	4.0	5.2	6.0	6.4	7.1	8.5	10.1	12.3	14.9	17.7	20.7
-77.5°	4.0	5.2	6.0	6.3	6.9	7.8	9.1	11.1	13.4	15.8	18.4
-80°	4.0	5.2	6.0	6.3	6.7	7.3	8.2	9.9	11.8	13.8	16.0
-82.5°	4.0	5.1	6.0	6.2	6.5	7.0	7.6	8.7	10.2	11.8	13.6
-85°	4.0	5.1	6.0	6.1	6.4	6.7	7.1	7.8	8.8	9.9	11.1
-87.5°	4.0	5.0	6.0	6.1	6.2	6.3	6.5	6.9	7.4	7.9	8.6
-90°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6.5	7.1	7.6	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	3.5	3.0	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	3.5	3.0	2.6	2.3	2.3	2.3	2.2	2.0	2.0	2.0	2.0
82.5°	3.7	3.5	3.4	3.4	3.3	3.0	2.6	2.3	2.3	2.3	2.2
80°	3.9	4.0	4.0	4.0	3.8	3.6	3.6	3.7	3.5	3.2	2.9
77.5°	4.0	4.0	4.0	4.0	4.0	4.2	4.5	5.0	5.0	4.8	4.5
75°	4.0	4.0	4.1	4.1	4.2	4.7	5.3	5.8	5.8	5.7	5.7
72.5°	4.3	4.6	4.5	4.2	4.6	5.3	5.8	6.0	7.2	8.8	10.0
70°	5.1	5.2	5.1	5.2	5.6	6.5	8.6	11.4	14.3	16.3	19.0
67.5°	5.9	5.6	5.7	6.2	7.7	10.0	13.2	20.3	28.2	31.3	32.8
65°	6.0	5.9	6.5	7.9	9.9	15.8	23.6	32.8	42.5	44.7	44.5
62.5°	6.0	6.3	7.4	10.4	16.1	23.5	33.6	44.0	54.2	52.5	46.4
60°	6.2	6.5	10.1	16.1	22.8	32.8	44.0	49.5	52.7	52.4	45.1
57.5°	6.5	8.8	15.0	22.5	32.2	40.8	44.4	47.6	49.5	51.1	42.4
55°	8.1	12.9	20.6	30.7	38.5	40.2	42.3	43.4	45.0	41.8	32.4
52.5°	11.8	17.5	27.7	36.5	39.9	39.6	37.5	37.7	34.9	30.5	25.7
50°	15.3	24.1	33.8	39.3	40.9	37.9	32.5	30.9	28.0	24.4	21.1
47.5°	20.5	30.5	37.4	42.0	41.0	36.8	30.5	26.7	23.7	22.7	19.6
45°	26.1	35.0	41.6	43.5	41.4	35.9	30.9	24.1	25.5	25.3	25.0
42.5°	31.6	38.8	44.3	45.9	41.4	37.8	33.3	31.7	31.5	35.5	38.2
40°	35.1	42.4	47.6	48.0	43.1	42.1	45.2	47.1	45.2	52.1	57.9
37.5°	38.2	46.1	52.5	54.9	48.6	53.6	61.2	82.4	84.4	72.3	92.6
35°	41.2	50.4	62.4	71.8	71.4	71.9	104.4	136.6	151.7	132.8	150.4
32.5°	44.9	55.4	76.0	100.5	120.7	123.9	159.2	224.8	255.5	256.8	254.3
30°	50.2	68.3	97.3	137.6	188.8	238.4	265.3	337.4	386.8	471.4	535.4
27.5°	57.5	85.0	133.2	200.4	281.1	379.6	439.6	481.3	603.1	761.3	931.9
25°	65.9	118.7	174.6	280.9	418.1	543.2	619.7	669.7	882.6	1196.5	1416.0
22.5°	84.2	162.0	235.1	372.4	572.7	713.4	794.1	955.5	1285.6	1707.0	1966.9
20°	115.8	215.0	306.2	455.8	730.9	887.7	964.0	1284.3	1793.9	2225.9	2584.0
17.5°	152.3	268.5	376.7	553.5	819.9	1021.7	1151.5	1636.3	2335.3	2723.4	3133.6
15°	192.4	321.8	439.5	640.4	905.5	1101.1	1381.9	2060.7	2830.5	3201.1	3624.3
12.5°	234.9	374.5	495.1	716.5	990.0	1174.4	1588.2	2363.3	3086.2	3588.0	4137.0
10°	278.3	426.0	544.2	782.2	1071.4	1241.9	1781.9	2615.6	3221.3	3693.3	4334.0
7.5°	305.1	461.4	584.3	837.9	1148.1	1303.6	1958.8	2819.3	3317.3	3755.7	4360.9
5°	324.6	478.5	604.1	875.7	1201.5	1352.6	2103.1	2976.4	3379.7	3780.6	4313.1
2.5°	339.0	491.7	620.8	904.1	1234.4	1386.3	2170.9	3036.8	3420.9	3811.1	4320.2
0°	348.3	501.2	634.1	924.0	1256.1	1415.2	2206.3	3057.8	3446.3	3836.9	4392.5
-2.5°	360.6	515.0	655.3	944.2	1261.6	1421.6	2211.5	3049.6	3460.9	3898.6	4470.6
-5°	368.8	524.9	672.2	955.6	1257.6	1422.4	2183.7	3006.0	3439.9	3883.4	4440.5
-7.5°	373.6	531.0	684.3	956.5	1236.1	1401.0	2089.0	2869.1	3321.8	3738.0	4285.5
-10°	377.5	539.6	695.7	940.3	1194.5	1363.4	1955.3	2706.5	3190.8	3574.1	4088.2
-12.5°	390.2	551.2	704.2	920.6	1151.8	1321.1	1791.8	2523.2	3049.4	3394.0	3875.5
-15°	399.1	560.7	709.2	899.2	1110.5	1274.4	1599.7	2323.5	2941.6	3328.8	3741.5
-17.5°	404.3	568.2	711.0	877.5	1072.8	1223.5	1388.5	2138.2	2855.8	3293.4	3674.5
-20°	405.8	574.4	709.8	856.9	1039.6	1193.3	1341.6	1913.3	2646.0	3237.0	3615.3



REPORT NUMBER: P701635 (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°	403.9	579.3	708.0	847.5	1018.1	1179.6	1323.7	1664.6	2369.0	3155.8	3539.5
-25°	402.7	572.5	707.6	834.3	994.0	1163.1	1305.1	1432.1	2057.6	2843.2	3437.7
-27.5°	400.1	561.8	693.3	813.3	963.8	1140.0	1283.3	1408.5	1770.6	2488.0	3277.6
-30°	391.1	533.2	673.8	787.0	933.2	1101.0	1258.5	1391.3	1526.6	2125.5	2862.1
-32.5°	370.9	502.0	641.7	761.5	895.1	1055.8	1223.4	1360.8	1498.3	1718.0	2416.6
-35°	349.5	472.5	604.1	729.8	849.1	1003.7	1163.9	1320.0	1456.8	1600.6	1941.5
-37.5°	332.9	440.1	564.9	690.2	808.7	944.4	1097.8	1255.8	1403.1	1551.6	1719.4
-40°	312.9	405.0	525.8	645.9	764.1	886.7	1028.2	1177.6	1331.9	1502.8	1660.2
-42.5°	289.1	378.9	484.6	600.3	714.9	832.5	954.6	1096.1	1257.5	1438.2	1604.7
-45°	259.2	349.0	442.4	550.8	661.6	773.6	889.7	1012.2	1174.1	1346.6	1523.7
-47.5°	225.7	314.4	404.5	497.2	603.6	711.6	820.1	943.8	1080.5	1241.1	1413.2
-50°	191.0	273.0	361.1	446.7	540.7	644.4	749.0	868.2	997.1	1130.8	1281.5
-52.5°	159.4	228.0	310.2	395.1	479.5	571.4	673.6	784.8	904.1	1031.3	1155.4
-55°	124.9	186.3	254.5	335.4	418.6	500.7	588.5	690.4	800.2	916.4	1032.5
-57.5°	97.0	143.1	201.8	269.3	348.1	429.7	507.8	589.2	685.3	789.5	891.0
-60°	72.8	105.7	150.2	207.3	270.7	346.0	423.8	499.1	575.3	652.3	742.1
-62.5°	50.5	76.1	106.9	146.4	200.8	259.6	327.8	399.5	472.2	538.4	604.0
-65°	42.4	51.0	72.2	101.1	131.7	181.4	236.0	293.2	357.1	414.2	473.2
-67.5°	33.9	41.7	49.4	61.0	87.3	116.0	147.0	195.3	245.1	286.3	328.4
-70°	29.6	33.1	39.3	46.1	52.8	64.5	89.7	116.5	143.4	170.2	204.7
-72.5°	26.1	29.0	32.1	35.4	40.9	46.5	52.2	57.9	73.0	93.4	112.3
-75°	22.9	24.9	27.4	30.1	32.8	35.3	38.1	42.8	47.5	52.2	56.9
-77.5°	20.0	21.5	23.1	24.9	26.9	29.1	31.2	33.3	35.2	37.1	39.1
-80°	17.1	18.1	19.2	20.4	21.7	23.2	24.7	26.3	27.6	28.8	30.1
-82.5°	14.4	15.1	15.8	16.4	17.0	17.7	18.3	19.3	20.2	21.1	21.9
-85°	11.7	12.1	12.5	13.0	13.4	13.8	14.2	14.6	14.9	15.3	15.6
-87.5°	9.1	9.6	10.0	10.4	10.5	10.7	10.8	10.9	11.0	11.2	11.3
-90°	3.5	3.0	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.1	8.6	9.1	9.6	10.1	10.1	10.1	10.1	10.1	10.1	10.1
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.6	2.6	2.5	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	4.3	4.0	3.8	3.5	3.2	3.0	2.8	2.4	2.1	2.0	2.0
75°	5.8	5.9	6.0	5.7	5.1	4.7	4.4	4.0	3.7	3.7	3.8
72.5°	10.7	10.6	10.2	10.1	9.5	9.2	9.3	9.2	8.8	9.1	9.4
70°	20.6	21.2	20.7	19.4	17.2	15.6	14.8	13.6	12.2	12.0	12.6
67.5°	32.4	30.9	29.1	26.7	23.1	20.0	18.5	17.0	15.6	15.3	15.6
65°	41.3	35.0	30.7	27.2	24.3	21.5	19.5	17.6	15.7	14.6	14.4
62.5°	39.9	32.7	28.0	24.8	22.1	19.7	17.3	15.0	12.8	11.4	11.4
60°	37.5	29.6	23.4	20.3	17.9	16.2	14.1	12.3	10.9	10.1	10.2
57.5°	31.8	23.3	17.8	16.4	14.8	12.9	11.6	10.8	10.4	10.1	10.1
55°	24.5	19.7	16.4	14.6	12.9	11.2	10.2	10.4	10.4	10.1	10.5
52.5°	20.2	17.4	15.1	13.4	12.6	12.2	11.9	12.0	12.2	12.5	12.8
50°	18.1	16.1	15.1	13.9	13.9	13.9	13.9	14.5	15.1	15.3	15.1
47.5°	18.3	17.5	18.4	16.0	16.4	17.9	18.0	18.2	19.5	19.9	19.7
45°	23.1	27.8	27.9	25.7	24.4	29.7	30.1	27.2	41.8	40.9	30.9
42.5°	41.1	43.9	44.0	46.5	51.5	67.7	97.7	124.8	128.9	113.3	77.7
40°	66.4	64.1	69.2	83.0	123.0	159.6	187.2	269.9	269.1	210.7	212.2
37.5°	108.0	105.6	113.3	155.3	168.3	145.4	204.8	210.6	180.4	215.0	218.0
35°	186.0	210.8	183.8	228.2	230.3	206.0	221.1	246.8	210.4	251.8	269.7
32.5°	339.0	382.9	387.0	383.6	406.5	428.8	415.8	478.1	489.3	530.6	576.1
30°	550.8	635.3	699.8	687.4	725.3	791.9	813.7	908.9	1003.7	1062.6	1206.7
27.5°	959.8	1002.5	1134.9	1228.0	1206.4	1315.2	1530.9	1597.7	1869.8	2000.1	2187.8
25°	1519.9	1595.6	1784.3	2005.4	2100.1	2282.3	2632.8	2800.5	3157.9	3340.4	4028.5
22.5°	2213.8	2470.3	2707.0	3004.1	3430.6	3792.7	4182.3	4837.2	5901.2	7429.9	9254.9
20°	3006.1	3436.0	3793.8	4342.8	5049.7	5730.9	6738.8	9644.7	12731.0	19168.6	23542.4
17.5°	3755.7	4438.0	4938.0	5667.1	6711.2	8416.4	11888.2	18383.7	28592.2	41062.8	52966.8
15°	4340.6	5037.9	5964.8	7065.2	8660.1	11996.9	18338.6	31177.5	50640.8	69643.3	89637.1
12.5°	4834.8	5572.4	6588.2	8078.9	10464.3	16462.1	27864.5	47204.8	72862.3	101150.9	131040.7
10°	5152.9	6048.6	7265.1	9233.9	13197.8	21719.1	36542.8	62459.0	96947.0	133880.7	167102.4
7.5°	5208.9	6301.7	7842.8	10237.6	15910.2	27203.1	46864.7	77352.1	115123.5	156721.4	198561.5
5°	5231.2	6537.5	8331.0	11026.0	17773.5	31169.9	52810.8	86893.5	128833.5	171555.2	216585.1
2.5°	5290.9	6769.0	8689.3	11577.7	18848.4	33535.4	56247.1	93728.2	137974.6	184365.2	234570.9
0°	5415.1	7011.4	8766.8	11671.6	19073.6	33585.6	58229.2	97644.5	143936.4	190806.0	243173.3
-2.5°	5482.4	6980.4	8701.4	11479.9	18783.2	33590.9	56324.3	94919.8	140827.5	186557.2	239328.3
-5°	5366.8	6668.6	8298.9	10901.2	17512.5	30904.6	52540.1	87884.3	130257.0	171373.0	213808.1
-7.5°	5118.6	6230.1	7726.7	10079.6	15542.1	26740.8	45700.3	74722.6	110703.7	146448.2	179508.7
-10°	4829.6	5765.2	6992.6	8886.8	12757.7	21143.8	35758.1	58593.6	89499.4	120184.6	148084.7
-12.5°	4517.6	5246.2	6155.0	7465.1	9874.9	15964.8	27100.0	44602.2	65972.6	89120.9	114462.9
-15°	4251.0	4788.2	5477.1	6592.8	8431.0	11893.6	18191.0	29838.1	45162.2	63309.3	81990.1
-17.5°	4071.8	4471.2	5071.1	5922.2	7052.1	9108.8	13666.6	20571.9	30432.0	44013.9	56351.5
-20°	3943.2	4318.8	4794.8	5465.0	6411.3	7861.4	10091.6	14850.9	21339.2	30142.4	38516.9



REPORT NUMBER: P701635 (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°	3851.4	4189.4	4591.7	5131.0	5976.0	7109.2	8532.8	10842.7	14928.8	20120.1	25942.1
-25°	3761.1	4041.5	4485.2	5065.0	5645.9	6456.7	7440.6	8574.7	10751.6	13059.6	16633.4
-27.5°	3657.9	4004.7	4500.5	5042.1	5565.5	5967.9	6666.3	7448.6	8601.2	9717.1	11553.1
-30°	3582.7	4026.2	4519.4	5040.0	5443.2	5798.9	6189.5	6787.3	7533.1	8321.8	9165.8
-32.5°	3208.2	3960.2	4466.4	4933.2	5266.7	5597.2	5943.2	6358.0	6834.8	7334.4	7847.1
-35°	2706.4	3507.3	4292.7	4658.6	4996.6	5330.0	5690.8	6026.8	6363.2	6701.1	7023.0
-37.5°	2091.4	2876.3	3618.2	4257.5	4645.6	4985.0	5369.7	5714.6	6009.6	6263.5	6511.3
-40°	1827.1	2101.1	2818.9	3491.8	4056.6	4594.5	4957.0	5339.0	5667.9	5902.1	6112.5
-42.5°	1754.3	1908.7	2067.8	2583.8	3207.5	3760.3	4252.1	4729.9	5182.2	5507.8	5758.0
-45°	1691.2	1821.8	1958.1	2110.3	2262.3	2747.0	3258.3	3773.0	4305.4	4781.9	5167.7
-47.5°	1574.3	1732.6	1866.8	1992.7	2113.6	2251.5	2394.0	2599.0	3066.1	3542.9	3977.5
-50°	1430.0	1578.3	1727.9	1876.8	1988.8	2094.6	2203.0	2325.3	2461.4	2600.3	2717.4
-52.5°	1272.8	1409.2	1547.3	1678.6	1804.0	1925.9	2044.8	2152.7	2254.1	2352.0	2409.5
-55°	1145.1	1254.3	1363.1	1475.7	1590.0	1701.4	1812.0	1923.5	2030.9	2133.5	2190.8
-57.5°	996.2	1105.0	1209.2	1295.0	1383.6	1474.2	1568.8	1664.9	1759.0	1846.8	1896.1
-60°	834.4	928.8	1019.0	1102.3	1184.5	1264.8	1342.3	1418.5	1491.7	1555.4	1594.1
-62.5°	671.7	748.5	823.3	894.2	963.2	1030.9	1103.4	1172.3	1237.0	1289.4	1321.5
-65°	533.0	591.6	643.6	694.6	744.9	802.9	864.6	923.1	977.9	1020.6	1048.8
-67.5°	377.4	427.9	475.5	521.0	562.8	604.1	648.0	690.9	732.2	764.2	786.9
-70°	237.8	269.6	301.0	334.6	371.2	407.6	443.7	477.1	507.6	530.4	547.7
-72.5°	129.6	144.9	161.0	184.7	207.6	231.9	256.8	280.3	302.2	317.7	329.1
-75°	61.5	68.4	80.7	91.8	101.5	112.3	123.0	133.0	142.0	146.8	149.5
-77.5°	42.2	45.6	48.6	51.4	53.9	57.0	60.5	63.9	67.4	69.5	71.3
-80°	31.5	32.8	34.2	35.6	36.9	38.4	39.8	41.1	42.3	43.4	44.4
-82.5°	22.7	23.4	24.1	24.8	25.3	26.3	27.3	28.3	29.1	29.9	30.7
-85°	15.9	16.4	16.8	17.1	17.3	17.9	18.5	19.1	19.7	19.8	19.9
-87.5°	11.4	12.0	12.6	13.1	13.7	13.8	13.9	13.9	14.0	14.0	14.0
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.0



REPORT NUMBER: P701635 (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°	10.1	10.1	11.1	12.1	11.1	10.1	10.1	10.1	10.1	10.1	10.1
87.5°	0.5	0.0	1.0	2.0	1.0	0.0	0.5	1.0	1.5	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	3.0	4.0	3.0	2.0	2.0	2.0	2.0	2.1	2.4
75°	3.9	4.0	4.0	4.0	4.0	4.0	3.9	3.8	3.7	3.7	4.0
72.5°	9.7	9.9	10.1	10.1	10.1	9.9	9.7	9.4	9.1	8.8	9.2
70°	13.3	13.9	14.1	14.1	14.1	13.9	13.3	12.6	12.0	12.2	13.6
67.5°	15.9	16.0	16.1	16.1	16.1	16.0	15.9	15.6	15.3	15.6	17.0
65°	14.3	14.2	13.2	12.1	13.2	14.2	14.3	14.4	14.6	15.7	17.6
62.5°	11.7	12.1	12.1	12.1	12.1	12.1	11.7	11.4	11.4	12.8	15.0
60°	10.2	10.2	10.1	10.1	10.1	10.2	10.2	10.2	10.1	10.9	12.3
57.5°	10.1	10.1	10.9	12.1	10.9	10.1	10.1	10.1	10.1	10.4	10.8
55°	11.1	11.8	12.1	12.1	12.1	11.8	11.1	10.5	10.1	10.4	10.4
52.5°	12.7	12.3	12.1	12.1	12.1	12.3	12.7	12.8	12.5	12.2	12.0
50°	14.7	14.3	14.1	14.1	14.1	14.3	14.7	15.1	15.3	15.1	14.5
47.5°	19.3	18.5	18.0	18.1	18.0	18.5	19.3	19.7	19.9	19.5	18.2
45°	31.7	31.8	31.9	32.2	31.9	31.8	31.7	30.9	40.9	41.8	27.2
42.5°	74.7	64.6	55.8	56.4	55.8	64.6	74.7	77.7	113.3	128.9	124.8
40°	191.3	143.1	95.2	80.5	95.2	143.1	191.3	212.2	210.7	269.1	269.9
37.5°	196.9	200.9	236.3	318.1	236.3	200.9	196.9	218.0	215.0	180.4	210.6
35°	275.2	279.5	269.7	263.7	269.7	279.5	275.2	269.7	251.8	210.4	246.8
32.5°	585.2	611.2	607.9	591.8	607.9	611.2	585.2	576.1	530.6	489.3	478.1
30°	1260.5	1326.4	1319.3	1332.6	1319.3	1326.4	1260.5	1206.7	1062.6	1003.7	908.9
27.5°	2262.2	2343.7	2358.6	2341.2	2358.6	2343.7	2262.2	2187.8	2000.1	1869.8	1597.7
25°	4490.6	4619.5	4572.4	4511.2	4572.4	4619.5	4490.6	4028.5	3340.4	3157.9	2800.5
22.5°	11388.5	11898.4	11846.0	11416.0	11846.0	11898.4	11388.5	9254.9	7429.9	5901.2	4837.2
20°	31288.8	34655.6	36120.8	34135.1	36120.8	34655.6	31288.8	23542.4	19168.6	12731.0	9644.7
17.5°	66227.1	76485.2	83778.9	86822.4	83778.9	76485.2	66227.1	52966.8	41062.8	28592.2	18383.7
15°	108330.6	123772.2	132752.7	131546.2	132752.7	123772.2	108330.6	89637.1	69643.3	50640.8	31177.5
12.5°	155774.0	174076.0	189243.6	189565.0	189243.6	174076.0	155774.0	131040.7	101150.9	72862.3	47204.8
10°	201663.9	227065.4	247767.3	251779.0	247767.3	227065.4	201663.9	167102.4	133880.7	96947.0	62459.0
7.5°	236091.8	275031.9	301018.6	310540.7	301018.6	275031.9	236091.8	198561.5	156721.4	115123.5	77352.1
5°	270114.7	310917.7	337396.6	342094.1	337396.6	310917.7	270114.7	216585.1	171555.2	128833.5	86893.5
2.5°	293062.5	334221.9	357393.2	373465.3	357393.2	334221.9	293062.5	234570.9	184365.2	137974.6	93728.2
0°	306504.5	340040.8	378382.1	396196.5	378382.1	340040.8	306504.5	243173.3	190806.0	143936.4	97644.5
-2.5°	296341.3	334068.7	356019.8	376263.4	356019.8	334068.7	296341.3	239328.3	186557.2	140827.5	94919.8
-5°	262681.6	303712.2	323105.0	325635.5	323105.0	303712.2	262681.6	213808.1	171373.0	130257.0	87884.3
-7.5°	214641.8	252844.5	271463.6	281742.1	271463.6	252844.5	214641.8	179508.7	146448.2	110703.7	74722.6
-10°	173754.6	196049.1	208583.2	209408.5	208583.2	196049.1	173754.6	148084.7	120184.6	89499.4	58593.6
-12.5°	134147.7	149102.0	156515.2	156244.2	156515.2	149102.0	134147.7	114462.9	89120.9	65972.6	44602.2
-15°	98439.9	110057.9	116744.8	119951.0	116744.8	110057.9	98439.9	81990.1	63309.3	45162.2	29838.1
-17.5°	69482.1	78711.6	85411.9	88118.8	85411.9	78711.6	69482.1	56351.5	44013.9	30432.0	20571.9
-20°	47368.2	53693.6	58040.6	59885.9	58040.6	53693.6	47368.2	38516.9	30142.4	21339.2	14850.9



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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°	31200.8	35441.3	38421.8	38261.9	38421.8	35441.3	31200.8	25942.1	20120.1	14928.8	10842.7
-25°	19890.1	22221.7	23752.6	23876.7	23752.6	22221.7	19890.1	16633.4	13059.6	10751.6	8574.7
-27.5°	13164.6	14189.6	14807.3	14914.6	14807.3	14189.6	13164.6	11553.1	9717.1	8601.2	7448.6
-30°	9963.9	10435.5	10788.6	10773.8	10788.6	10435.5	9963.9	9165.8	8321.8	7533.1	6787.3
-32.5°	8283.3	8515.4	8670.0	8795.0	8670.0	8515.4	8283.3	7847.1	7334.4	6834.8	6358.0
-35°	7243.8	7362.0	7448.2	7526.8	7448.2	7362.0	7243.8	7023.0	6701.1	6363.2	6026.8
-37.5°	6653.8	6735.5	6789.8	6808.1	6789.8	6735.5	6653.8	6511.3	6263.5	6009.6	5714.6
-40°	6193.0	6239.1	6266.4	6282.7	6266.4	6239.1	6193.0	6112.5	5902.1	5667.9	5339.0
-42.5°	5847.2	5910.4	5943.1	5942.5	5943.1	5910.4	5847.2	5758.0	5507.8	5182.2	4729.9
-45°	5388.9	5548.8	5645.7	5686.8	5645.7	5548.8	5388.9	5167.7	4781.9	4305.4	3773.0
-47.5°	4333.7	4637.2	4850.2	4962.1	4850.2	4637.2	4333.7	3977.5	3542.9	3066.1	2599.0
-50°	2822.8	2924.3	2966.9	2949.1	2966.9	2924.3	2822.8	2717.4	2600.3	2461.4	2325.3
-52.5°	2452.2	2488.5	2510.6	2520.3	2510.6	2488.5	2452.2	2409.5	2352.0	2254.1	2152.7
-55°	2239.1	2279.5	2305.6	2319.0	2305.6	2279.5	2239.1	2190.8	2133.5	2030.9	1923.5
-57.5°	1937.2	1969.8	1989.7	1998.9	1989.7	1969.8	1937.2	1896.1	1846.8	1759.0	1664.9
-60°	1627.0	1653.8	1671.5	1680.9	1671.5	1653.8	1627.0	1594.1	1555.4	1491.7	1418.5
-62.5°	1347.6	1367.3	1384.8	1397.1	1384.8	1367.3	1347.6	1321.5	1289.4	1237.0	1172.3
-65°	1071.7	1089.3	1102.0	1109.2	1102.0	1089.3	1071.7	1048.8	1020.6	977.9	923.1
-67.5°	805.5	819.9	831.7	839.4	831.7	819.9	805.5	786.9	764.2	732.2	690.9
-70°	561.7	572.3	582.6	589.8	582.6	572.3	561.7	547.7	530.4	507.6	477.1
-72.5°	338.2	344.9	348.0	348.3	348.0	344.9	338.2	329.1	317.7	302.2	280.3
-75°	150.9	151.3	154.5	157.0	154.5	151.3	150.9	149.5	146.8	142.0	133.0
-77.5°	72.7	73.9	75.3	76.5	75.3	73.9	72.7	71.3	69.5	67.4	63.9
-80°	45.3	46.1	46.2	46.3	46.2	46.1	45.3	44.4	43.4	42.3	41.1
-82.5°	31.4	32.1	32.2	32.2	32.2	32.1	31.4	30.7	29.9	29.1	28.3
-85°	20.0	20.1	20.1	20.1	20.1	20.1	20.0	19.9	19.8	19.7	19.1
-87.5°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0	13.9
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	10.1	10.1	10.1	9.6	9.1	8.6	8.1	8.1	8.1	8.1	8.1
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.3	2.3	2.3
80°	2.0	2.0	2.0	2.3	2.5	2.6	2.6	2.9	3.2	3.5	3.7
77.5°	2.8	3.0	3.2	3.5	3.8	4.0	4.3	4.5	4.8	5.0	5.0
75°	4.4	4.7	5.1	5.7	6.0	5.9	5.8	5.7	5.7	5.8	5.8
72.5°	9.3	9.2	9.5	10.1	10.2	10.6	10.7	10.0	8.8	7.2	6.0
70°	14.8	15.6	17.2	19.4	20.7	21.2	20.6	19.0	16.3	14.3	11.4
67.5°	18.5	20.0	23.1	26.7	29.1	30.9	32.4	32.8	31.3	28.2	20.3
65°	19.5	21.5	24.3	27.2	30.7	35.0	41.3	44.5	44.7	42.5	32.8
62.5°	17.3	19.7	22.1	24.8	28.0	32.7	39.9	46.4	52.5	54.2	44.0
60°	14.1	16.2	17.9	20.3	23.4	29.6	37.5	45.1	52.4	52.7	49.5
57.5°	11.6	12.9	14.8	16.4	17.8	23.3	31.8	42.4	51.1	49.5	47.6
55°	10.2	11.2	12.9	14.6	16.4	19.7	24.5	32.4	41.8	45.0	43.4
52.5°	11.9	12.2	12.6	13.4	15.1	17.4	20.2	25.7	30.5	34.9	37.7
50°	13.9	13.9	13.9	13.9	15.1	16.1	18.1	21.1	24.4	28.0	30.9
47.5°	18.0	17.9	16.4	16.0	18.4	17.5	18.3	19.6	22.7	23.7	26.7
45°	30.1	29.7	24.4	25.7	27.9	27.8	23.1	25.0	25.3	25.5	24.1
42.5°	97.7	67.7	51.5	46.5	44.0	43.9	41.1	38.2	35.5	31.5	31.7
40°	187.2	159.6	123.0	83.0	69.2	64.1	66.4	57.9	52.1	45.2	47.1
37.5°	204.8	145.4	168.3	155.3	113.3	105.6	108.0	92.6	72.3	84.4	82.4
35°	221.1	206.0	230.3	228.2	183.8	210.8	186.0	150.4	132.8	151.7	136.6
32.5°	415.8	428.8	406.5	383.6	387.0	382.9	339.0	254.3	256.8	255.5	224.8
30°	813.7	791.9	725.3	687.4	699.8	635.3	550.8	535.4	471.4	386.8	337.4
27.5°	1530.9	1315.2	1206.4	1228.0	1134.9	1002.5	959.8	931.9	761.3	603.1	481.3
25°	2632.8	2282.3	2100.1	2005.4	1784.3	1595.6	1519.9	1416.0	1196.5	882.6	669.7
22.5°	4182.3	3792.7	3430.6	3004.1	2707.0	2470.3	2213.8	1966.9	1707.0	1285.6	955.5
20°	6738.8	5730.9	5049.7	4342.8	3793.8	3436.0	3006.1	2584.0	2225.9	1793.9	1284.3
17.5°	11888.2	8416.4	6711.2	5667.1	4938.0	4438.0	3755.7	3133.6	2723.4	2335.3	1636.3
15°	18338.6	11996.9	8660.1	7065.2	5964.8	5037.9	4340.6	3624.3	3201.1	2830.5	2060.7
12.5°	27864.5	16462.1	10464.3	8078.9	6588.2	5572.4	4834.8	4137.0	3588.0	3086.2	2363.3
10°	36542.8	21719.1	13197.8	9233.9	7265.1	6048.6	5152.9	4334.0	3693.3	3221.3	2615.6
7.5°	46864.7	27203.1	15910.2	10237.6	7842.8	6301.7	5208.9	4360.9	3755.7	3317.3	2819.3
5°	52810.8	31169.9	17773.5	11026.0	8331.0	6537.5	5231.2	4313.1	3780.6	3379.7	2976.4
2.5°	56247.1	33535.4	18848.4	11577.7	8689.3	6769.0	5290.9	4320.2	3811.1	3420.9	3036.8
0°	58229.2	33585.6	19073.6	11671.6	8766.8	7011.4	5415.1	4392.5	3836.9	3446.3	3057.8
-2.5°	56324.3	33590.9	18783.2	11479.9	8701.4	6980.4	5482.4	4470.6	3898.6	3460.9	3049.6
-5°	52540.1	30904.6	17512.5	10901.2	8298.9	6668.6	5366.8	4440.5	3883.4	3439.9	3006.0
-7.5°	45700.3	26740.8	15542.1	10079.6	7726.7	6230.1	5118.6	4285.5	3738.0	3321.8	2869.1
-10°	35758.1	21143.8	12757.7	8886.8	6992.6	5765.2	4829.6	4088.2	3574.1	3190.8	2706.5
-12.5°	27100.0	15964.8	9874.9	7465.1	6155.0	5246.2	4517.6	3875.5	3394.0	3049.4	2523.2
-15°	18191.0	11893.6	8431.0	6592.8	5477.1	4788.2	4251.0	3741.5	3328.8	2941.6	2323.5
-17.5°	13666.6	9108.8	7052.1	5922.2	5071.1	4471.2	4071.8	3674.5	3293.4	2855.8	2138.2
-20°	10091.6	7861.4	6411.3	5465.0	4794.8	4318.8	3943.2	3615.3	3237.0	2646.0	1913.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8532.8	7109.2	5976.0	5131.0	4591.7	4189.4	3851.4	3539.5	3155.8	2369.0	1664.6
-25°	7440.6	6456.7	5645.9	5065.0	4485.2	4041.5	3761.1	3437.7	2843.2	2057.6	1432.1
-27.5°	6666.3	5967.9	5565.5	5042.1	4500.5	4004.7	3657.9	3277.6	2488.0	1770.6	1408.5
-30°	6189.5	5798.9	5443.2	5040.0	4519.4	4026.2	3582.7	2862.1	2125.5	1526.6	1391.3
-32.5°	5943.2	5597.2	5266.7	4933.2	4466.4	3960.2	3208.2	2416.6	1718.0	1498.3	1360.8
-35°	5690.8	5330.0	4996.6	4658.6	4292.7	3507.3	2706.4	1941.5	1600.6	1456.8	1320.0
-37.5°	5369.7	4985.0	4645.6	4257.5	3618.2	2876.3	2091.4	1719.4	1551.6	1403.1	1255.8
-40°	4957.0	4594.5	4056.6	3491.8	2818.9	2101.1	1827.1	1660.2	1502.8	1331.9	1177.6
-42.5°	4252.1	3760.3	3207.5	2583.8	2067.8	1908.7	1754.3	1604.7	1438.2	1257.5	1096.1
-45°	3258.3	2747.0	2262.3	2110.3	1958.1	1821.8	1691.2	1523.7	1346.6	1174.1	1012.2
-47.5°	2394.0	2251.5	2113.6	1992.7	1866.8	1732.6	1574.3	1413.2	1241.1	1080.5	943.8
-50°	2203.0	2094.6	1988.8	1876.8	1727.9	1578.3	1430.0	1281.5	1130.8	997.1	868.2
-52.5°	2044.8	1925.9	1804.0	1678.6	1547.3	1409.2	1272.8	1155.4	1031.3	904.1	784.8
-55°	1812.0	1701.4	1590.0	1475.7	1363.1	1254.3	1145.1	1032.5	916.4	800.2	690.4
-57.5°	1568.8	1474.2	1383.6	1295.0	1209.2	1105.0	996.2	891.0	789.5	685.3	589.2
-60°	1342.3	1264.8	1184.5	1102.3	1019.0	928.8	834.4	742.1	652.3	575.3	499.1
-62.5°	1103.4	1030.9	963.2	894.2	823.3	748.5	671.7	604.0	538.4	472.2	399.5
-65°	864.6	802.9	744.9	694.6	643.6	591.6	533.0	473.2	414.2	357.1	293.2
-67.5°	648.0	604.1	562.8	521.0	475.5	427.9	377.4	328.4	286.3	245.1	195.3
-70°	443.7	407.6	371.2	334.6	301.0	269.6	237.8	204.7	170.2	143.4	116.5
-72.5°	256.8	231.9	207.6	184.7	161.0	144.9	129.6	112.3	93.4	73.0	57.9
-75°	123.0	112.3	101.5	91.8	80.7	68.4	61.5	56.9	52.2	47.5	42.8
-77.5°	60.5	57.0	53.9	51.4	48.6	45.6	42.2	39.1	37.1	35.2	33.3
-80°	39.8	38.4	36.9	35.6	34.2	32.8	31.5	30.1	28.8	27.6	26.3
-82.5°	27.3	26.3	25.3	24.8	24.1	23.4	22.7	21.9	21.1	20.2	19.3
-85°	18.5	17.9	17.3	17.1	16.8	16.4	15.9	15.6	15.3	14.9	14.6
-87.5°	13.9	13.8	13.7	13.1	12.6	12.0	11.4	11.3	11.2	11.0	10.9
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



REPORT NUMBER: P701635 (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°	8.1	8.1	8.1	8.1	7.6	7.1	6.5	6.0	6.0	6.0	6.0
87.5°	2.0	2.0	2.0	2.0	2.5	3.0	3.5	4.0	4.0	4.0	4.0
85°	2.2	2.3	2.3	2.3	2.6	3.0	3.5	4.0	4.0	4.0	4.0
82.5°	2.6	3.0	3.3	3.4	3.4	3.5	3.7	4.0	4.1	4.0	4.0
80°	3.6	3.6	3.8	4.0	4.0	4.0	3.9	4.0	4.3	4.4	4.3
77.5°	4.5	4.2	4.0	4.0	4.0	4.0	4.0	4.1	4.5	4.8	4.8
75°	5.3	4.7	4.2	4.1	4.1	4.0	4.0	4.2	4.6	5.1	5.3
72.5°	5.8	5.3	4.6	4.2	4.5	4.6	4.3	4.2	4.7	5.2	5.7
70°	8.6	6.5	5.6	5.2	5.1	5.2	5.1	4.8	4.8	5.2	5.7
67.5°	13.2	10.0	7.7	6.2	5.7	5.6	5.9	5.5	5.2	5.3	5.8
65°	23.6	15.8	9.9	7.9	6.5	5.9	6.0	6.1	5.7	5.6	5.8
62.5°	33.6	23.5	16.1	10.4	7.4	6.3	6.0	6.3	6.1	5.8	5.9
60°	44.0	32.8	22.8	16.1	10.1	6.5	6.2	6.6	6.5	6.0	6.0
57.5°	44.4	40.8	32.2	22.5	15.0	8.8	6.5	6.9	6.9	6.4	6.0
55°	42.3	40.2	38.5	30.7	20.6	12.9	8.1	7.4	7.4	6.9	6.1
52.5°	37.5	39.6	39.9	36.5	27.7	17.5	11.8	7.9	8.0	7.5	6.7
50°	32.5	37.9	40.9	39.3	33.8	24.1	15.3	10.6	8.6	8.1	7.3
47.5°	30.5	36.8	41.0	42.0	37.4	30.5	20.5	13.3	9.3	8.8	7.8
45°	30.9	35.9	41.4	43.5	41.6	35.0	26.1	15.8	11.4	9.4	8.4
42.5°	33.3	37.8	41.4	45.9	44.3	38.8	31.6	20.3	13.3	10.0	8.9
40°	45.2	42.1	43.1	48.0	47.6	42.4	35.1	25.0	15.0	10.9	9.5
37.5°	61.2	53.6	48.6	54.9	52.5	46.1	38.2	29.6	17.3	12.2	10.0
35°	104.4	71.9	71.4	71.8	62.4	50.4	41.2	33.2	21.4	13.5	10.5
32.5°	159.2	123.9	120.7	100.5	76.0	55.4	44.9	36.5	25.4	14.6	10.9
30°	265.3	238.4	188.8	137.6	97.3	68.3	50.2	39.9	29.5	15.6	11.5
27.5°	439.6	379.6	281.1	200.4	133.2	85.0	57.5	43.5	33.5	17.3	12.3
25°	619.7	543.2	418.1	280.9	174.6	118.7	65.9	47.2	36.8	20.5	13.1
22.5°	794.1	713.4	572.7	372.4	235.1	162.0	84.2	53.8	39.7	23.6	13.7
20°	964.0	887.7	730.9	455.8	306.2	215.0	115.8	60.8	42.5	26.5	14.3
17.5°	1151.5	1021.7	819.9	553.5	376.7	268.5	152.3	68.3	45.3	29.2	14.7
15°	1381.9	1101.1	905.5	640.4	439.5	321.8	192.4	75.9	48.0	31.8	15.4
12.5°	1588.2	1174.4	990.0	716.5	495.1	374.5	234.9	83.5	50.6	34.7	16.2
10°	1781.9	1241.9	1071.4	782.2	544.2	426.0	278.3	92.1	54.8	38.0	17.1
7.5°	1958.8	1303.6	1148.1	837.9	584.3	461.4	305.1	102.6	59.0	41.0	17.9
5°	2103.1	1352.6	1201.5	875.7	604.1	478.5	324.6	112.8	63.1	43.8	18.7
2.5°	2170.9	1386.3	1234.4	904.1	620.8	491.7	339.0	122.3	67.0	46.2	19.4
0°	2206.3	1415.2	1256.1	924.0	634.1	501.2	348.3	130.8	70.5	48.3	20.1
-2.5°	2211.5	1421.6	1261.6	944.2	655.3	515.0	360.6	154.1	88.6	59.4	26.4
-5°	2183.7	1422.4	1257.6	955.6	672.2	524.9	368.8	175.9	105.9	69.8	32.4
-7.5°	2089.0	1401.0	1236.1	956.5	684.3	531.0	373.6	195.9	122.2	79.4	38.1
-10°	1955.3	1363.4	1194.5	940.3	695.7	539.6	377.5	214.0	137.0	87.8	43.2
-12.5°	1791.8	1321.1	1151.8	920.6	704.2	551.2	390.2	232.2	150.3	95.0	47.6
-15°	1599.7	1274.4	1110.5	899.2	709.2	560.7	399.1	248.3	162.3	101.4	51.1
-17.5°	1388.5	1223.5	1072.8	877.5	711.0	568.2	404.3	260.6	172.4	107.0	54.5
-20°	1341.6	1193.3	1039.6	856.9	709.8	574.4	405.8	268.8	180.3	110.8	57.3



REPORT NUMBER: P701635 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1323.7	1179.6	1018.1	847.5	708.0	579.3	403.9	272.5	185.9	112.6	58.9
-25°	1305.1	1163.1	994.0	834.3	707.6	572.5	402.7	271.4	189.0	112.2	59.2
-27.5°	1283.3	1140.0	963.8	813.3	693.3	561.8	400.1	273.9	189.2	109.7	58.1
-30°	1258.5	1101.0	933.2	787.0	673.8	533.2	391.1	273.5	185.8	107.2	55.5
-32.5°	1223.4	1055.8	895.1	761.5	641.7	502.0	370.9	269.5	179.3	104.0	53.6
-35°	1163.9	1003.7	849.1	729.8	604.1	472.5	349.5	262.0	169.7	98.7	51.3
-37.5°	1097.8	944.4	808.7	690.2	564.9	440.1	332.9	245.3	157.0	91.2	47.7
-40°	1028.2	886.7	764.1	645.9	525.8	405.0	312.9	224.6	145.1	81.5	42.9
-42.5°	954.6	832.5	714.9	600.3	484.6	378.9	289.1	200.8	129.8	73.2	36.9
-45°	889.7	773.6	661.6	550.8	442.4	349.0	259.2	174.9	112.0	64.8	32.1
-47.5°	820.1	711.6	603.6	497.2	404.5	314.4	225.7	152.3	92.2	54.9	29.9
-50°	749.0	644.4	540.7	446.7	361.1	273.0	191.0	127.0	78.5	43.0	27.4
-52.5°	673.6	571.4	479.5	395.1	310.2	228.0	159.4	100.5	63.5	36.6	24.5
-55°	588.5	500.7	418.6	335.4	254.5	186.3	124.9	81.9	47.4	32.5	21.4
-57.5°	507.8	429.7	348.1	269.3	201.8	143.1	97.0	62.0	39.7	28.2	20.3
-60°	423.8	346.0	270.7	207.3	150.2	105.7	72.8	45.8	34.3	24.2	19.1
-62.5°	327.8	259.6	200.8	146.4	106.9	76.1	50.5	39.2	28.6	22.6	17.8
-65°	236.0	181.4	131.7	101.1	72.2	51.0	42.4	32.3	25.8	20.9	16.5
-67.5°	147.0	116.0	87.3	61.0	49.4	41.7	33.9	28.4	23.6	19.1	15.6
-70°	89.7	64.5	52.8	46.1	39.3	33.1	29.6	25.6	21.2	17.7	14.6
-72.5°	52.2	46.5	40.9	35.4	32.1	29.0	26.1	22.9	19.5	16.3	13.5
-75°	38.1	35.3	32.8	30.1	27.4	24.9	22.9	20.7	17.7	14.9	12.3
-77.5°	31.2	29.1	26.9	24.9	23.1	21.5	20.0	18.4	15.8	13.4	11.1
-80°	24.7	23.2	21.7	20.4	19.2	18.1	17.1	16.0	13.8	11.8	9.9
-82.5°	18.3	17.7	17.0	16.4	15.8	15.1	14.4	13.6	11.8	10.2	8.7
-85°	14.2	13.8	13.4	13.0	12.5	12.1	11.7	11.1	9.9	8.8	7.8
-87.5°	10.8	10.7	10.5	10.4	10.0	9.6	9.1	8.6	7.9	7.4	6.9
-90°	2.0	2.0	2.0	2.0	2.5	3.0	3.5	4.0	4.0	4.0	4.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.0	6.0	6.0	6.0	6.0	5.0	4.0
87.5°	4.0	4.1	4.2	4.2	4.2	4.1	4.0
85°	4.0	4.2	4.3	4.4	4.3	4.2	4.0
82.5°	4.0	4.3	4.5	4.6	4.5	4.3	4.0
80°	4.1	4.5	4.7	4.8	4.7	4.3	4.0
77.5°	4.6	4.7	4.9	5.0	4.9	4.4	4.0
75°	5.1	5.0	5.1	5.2	5.0	4.5	4.0
72.5°	5.6	5.3	5.3	5.4	5.2	4.6	4.0
70°	6.0	5.6	5.4	5.6	5.4	4.7	4.0
67.5°	6.0	5.9	5.6	5.7	5.5	4.8	4.0
65°	6.0	6.0	5.7	5.7	5.7	4.8	4.0
62.5°	6.0	6.0	5.9	5.8	5.8	4.9	4.0
60°	6.0	6.0	6.0	5.8	6.0	5.0	4.0
57.5°	6.1	6.0	6.0	5.9	6.0	5.1	4.0
55°	6.2	6.0	6.0	5.9	6.0	5.1	4.0
52.5°	6.4	6.0	6.0	6.0	6.0	5.2	4.0
50°	6.6	6.2	6.0	6.0	6.0	5.3	4.0
47.5°	6.9	6.4	6.0	6.0	6.0	5.4	4.0
45°	7.3	6.7	6.0	6.0	6.0	5.4	4.0
42.5°	7.8	6.9	6.0	6.0	6.0	5.5	4.0
40°	8.3	7.2	6.1	6.0	6.0	5.5	4.0
37.5°	8.7	7.5	6.3	6.0	6.0	5.6	4.0
35°	9.1	7.8	6.5	6.0	6.0	5.6	4.0
32.5°	9.5	8.1	6.7	6.0	6.0	5.7	4.0
30°	9.9	8.5	7.0	6.0	6.0	5.7	4.0
27.5°	10.3	8.8	7.1	6.0	6.0	5.8	4.0
25°	10.7	9.1	7.3	6.0	6.0	5.8	4.0
22.5°	11.0	9.3	7.5	6.0	6.0	5.8	4.0
20°	11.3	9.5	7.6	6.0	6.0	5.9	4.0
17.5°	11.6	9.6	7.7	6.0	6.0	5.9	4.0
15°	12.0	9.8	7.8	6.0	6.0	5.9	4.0
12.5°	12.4	9.9	7.9	6.0	6.0	6.0	4.0
10°	12.8	9.9	8.0	6.0	6.0	6.0	4.0
7.5°	13.1	10.0	8.0	6.0	6.0	6.0	4.0
5°	13.5	10.1	8.1	6.0	6.0	6.0	4.0
2.5°	13.8	10.1	8.1	6.0	6.0	6.0	4.0
0°	14.1	10.1	8.1	6.0	6.0	6.0	4.0
-2.5°	16.5	11.0	8.4	6.3	6.1	6.0	4.0
-5°	18.8	11.8	8.8	6.5	6.2	6.0	4.0
-7.5°	20.9	12.6	9.1	6.8	6.3	6.0	4.0
-10°	22.9	13.3	9.4	7.0	6.4	6.0	4.0
-12.5°	24.6	14.0	9.7	7.3	6.4	6.0	4.0
-15°	26.0	14.6	9.9	7.5	6.5	5.9	4.0
-17.5°	27.0	15.0	10.1	7.7	6.6	5.9	4.0
-20°	28.0	15.4	10.4	7.9	6.6	5.9	4.0



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 CATALOG NUMBER: EPH-LS-08-0680R-40-80-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	28.9	15.6	10.6	8.1	6.7	5.9	4.0
-25°	29.2	15.8	10.7	8.3	6.7	5.9	4.0
-27.5°	28.8	15.9	10.9	8.4	6.8	5.8	4.0
-30°	27.6	15.8	11.0	8.5	6.8	5.8	4.0
-32.5°	25.6	15.5	11.1	8.6	6.8	5.8	4.0
-35°	24.6	15.0	11.2	8.6	6.8	5.7	4.0
-37.5°	24.0	14.6	11.2	8.6	6.8	5.7	4.0
-40°	23.1	14.6	11.1	8.6	6.7	5.7	4.0
-42.5°	21.9	14.5	11.0	8.6	6.7	5.7	4.0
-45°	20.4	14.3	10.9	8.5	6.6	5.6	4.0
-47.5°	18.6	14.0	10.8	8.4	6.5	5.6	4.0
-50°	17.9	13.6	10.6	8.2	6.5	5.6	4.0
-52.5°	17.3	13.2	10.4	8.1	6.4	5.5	4.0
-55°	16.6	12.8	10.1	7.9	6.3	5.5	4.0
-57.5°	15.7	12.4	9.9	7.7	6.1	5.5	4.0
-60°	14.8	12.0	9.6	7.5	6.0	5.4	4.0
-62.5°	14.2	11.5	9.2	7.3	6.0	5.4	4.0
-65°	13.5	11.0	8.8	7.0	6.0	5.4	4.0
-67.5°	12.7	10.4	8.4	6.8	6.0	5.3	4.0
-70°	11.9	9.8	8.0	6.5	6.0	5.3	4.0
-72.5°	11.0	9.1	7.5	6.4	6.0	5.3	4.0
-75°	10.1	8.5	7.1	6.4	6.0	5.2	4.0
-77.5°	9.1	7.8	6.9	6.3	6.0	5.2	4.0
-80°	8.2	7.3	6.7	6.3	6.0	5.2	4.0
-82.5°	7.6	7.0	6.5	6.2	6.0	5.1	4.0
-85°	7.1	6.7	6.4	6.1	6.0	5.1	4.0
-87.5°	6.5	6.3	6.2	6.1	6.0	5.0	4.0
-90°	4.0	4.0	4.0	4.0	4.0	4.0	4.0

(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

