

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: P701617 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-70-4S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701617 (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-40-70-4S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 4S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

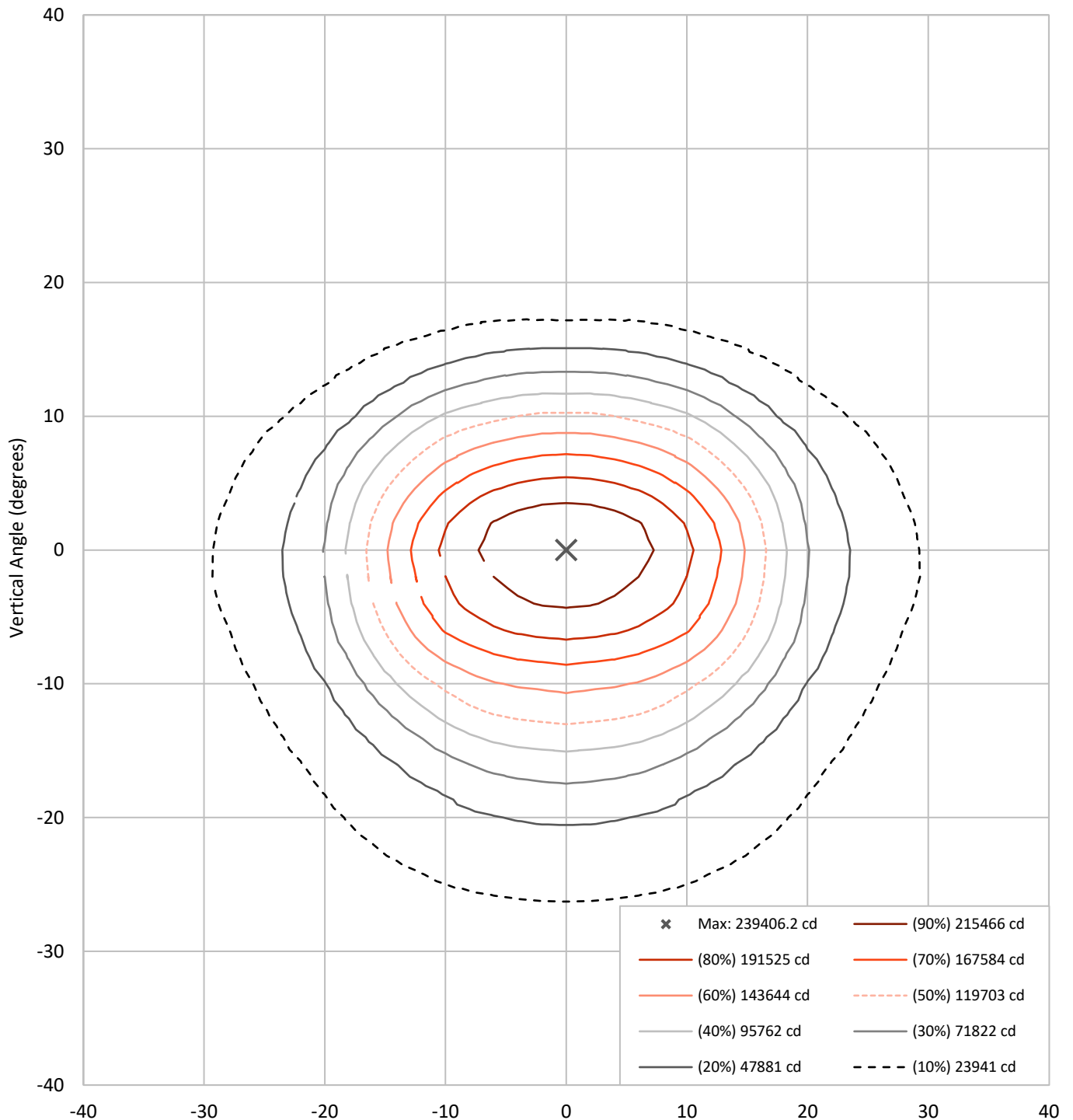
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 3V
Luminaire Lumens:	63199.1 lumens	Max Intensity:	239406.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	90.6 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:	31976.7 lumens	Field Lumens:	54503.7 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





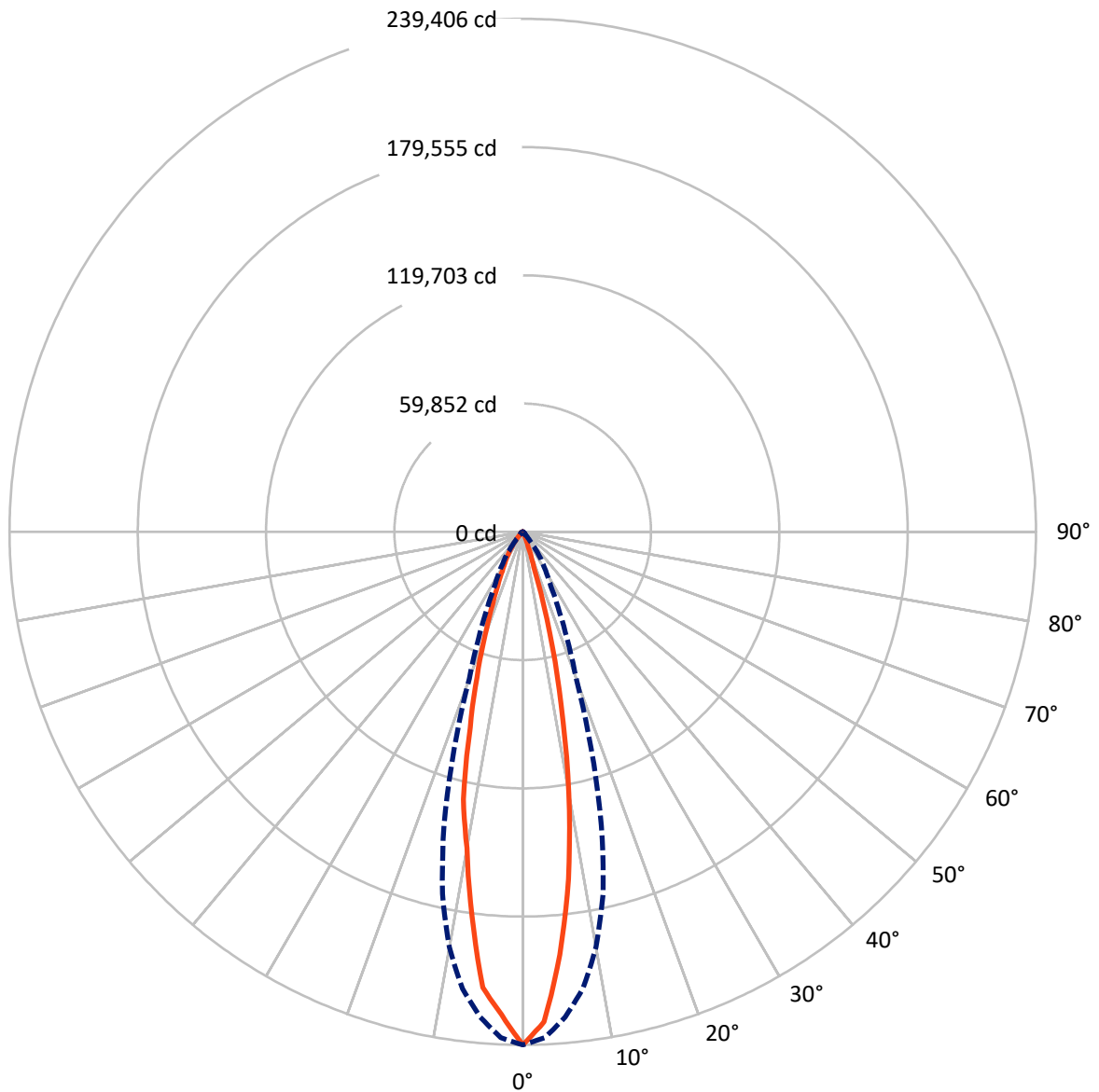
REPORT NUMBER: P701617 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90		0.2		0.6		0.9		0.8		0.6		0.8		0.9		0.6		0.2
80	0.2	0.1	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		
70	0.2	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	0.2		
60	0.2	0.2	0.4	0.5	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.5	0.4	0.2	0.2		
50	0.2	0.2	0.6	0.9	1.4	2.7	4.9	7.2	7.2	4.9	2.7	1.4	0.9	0.6	0.2	0.2		
40	0.2	0.4	1.7	3.5	9.5	26.4	54.6	90.7	90.7	54.6	26.4	9.5	3.5	1.7	0.4	0.3		
30	0.3	1.1	5.4	14.3	85.3	266.5	811.9	1517.7	1517.7	811.9	266.5	85.3	14.3	5.4	1.1	0.3		
20	0.3	2.0	10.9	36.0	264.7	932.7	3229.0	5494.9	5494.9	3229.0	932.7	264.7	36.0	10.9	2.0	0.4		
10	0.4	2.7	13.5	43.2	295.0	1029.1	3556.6	5838.4	5838.4	3556.6	1029.1	295.0	43.2	13.5	2.7	0.4		
0	0.4	2.9	12.0	30.3	174.8	567.2	1573.9	2766.1	2766.1	1573.9	567.2	174.8	30.3	12.0	2.9	0.5		
-10	0.5	2.8	10.1	20.3	73.1	283.5	584.3	850.9	850.9	584.3	283.5	73.1	20.3	10.1	2.8	0.5		
-20	0.5	2.3	8.5	15.8	29.6	88.3	200.4	284.4	284.4	200.4	88.3	29.6	15.8	8.5	2.3	0.5		
-30	0.5	1.5	6.1	13.0	21.1	31.6	45.6	59.9	59.9	45.6	31.6	21.1	13.0	6.1	1.5	0.5		
-40	0.5	0.8	3.1	8.3	14.9	20.8	25.5	28.6	28.6	25.5	20.8	14.9	8.3	3.1	0.8	0.3		
-50	0.3	0.3	1.2	3.1	6.2	10.0	13.5	15.5	15.5	13.5	10.0	6.2	3.1	1.2	0.3	0.3		
-60	0.3	0.3	1.2	3.1	6.2	10.0	13.5	15.5	15.5	13.5	10.0	6.2	3.1	1.2	0.3	0.3		
-70	0.3	0.3	1.2	3.1	6.2	10.0	13.5	15.5	15.5	13.5	10.0	6.2	3.1	1.2	0.3	0.3		
-80	0.2	0.9		3.0		7.7		11.1		7.7		3.0		0.9		0.2		
-90	0.2	0.9		3.0		7.7		11.1		7.7		3.0		0.9		0.2		

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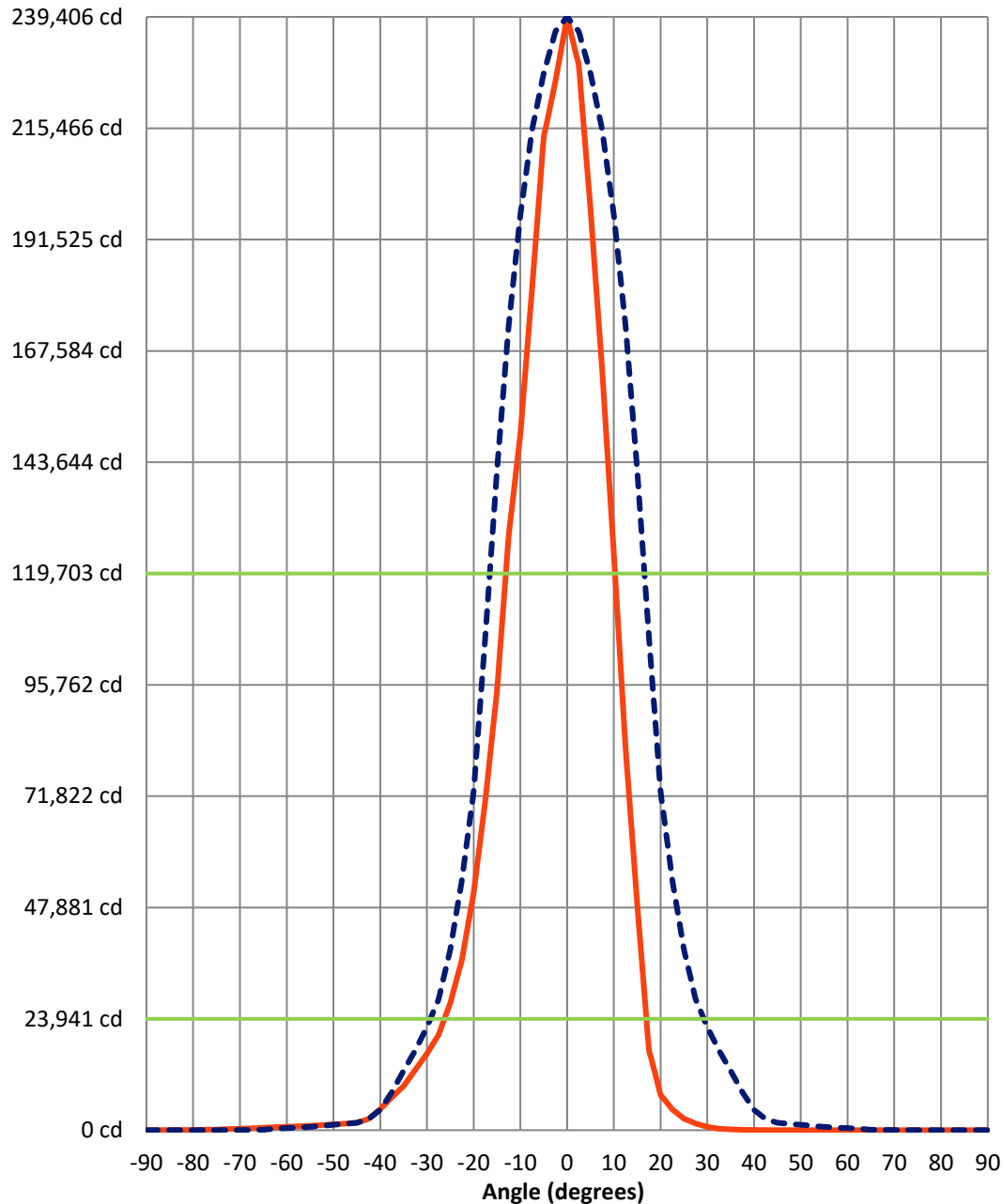
Luminous Intensity Polar Plot



— 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: 31976.7
 Efficiency: 50.6%

Field:
 H Angle: 58.5°
 V Angle: 43.2°
 Lumens: 54503.7
 Efficiency: 86.2%

Spill:
 Lumens: 8695.4
 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	9.8	10.9	10.4	9.8	9.3	8.7	9.3	9.8	10.3	10.9
87.5°	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.2	9.1	8.9	8.7
85°	8.7	8.9	9.1	9.3	9.5	9.7	9.8	9.7	9.5	9.1	8.7
82.5°	8.7	9.0	9.3	9.6	9.8	10.1	10.4	10.2	9.9	9.5	9.3
80°	8.7	9.1	9.5	9.8	10.2	10.6	10.9	10.5	10.2	10.1	10.2
77.5°	8.7	9.2	9.7	10.1	10.6	10.9	10.9	10.7	10.6	10.7	10.9
75°	8.7	9.3	9.8	10.4	10.9	10.9	10.9	10.8	10.9	10.9	10.9
72.5°	8.7	9.4	10.0	10.7	10.9	10.9	10.9	10.9	10.9	10.9	10.9
70°	8.7	9.5	10.2	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
67.5°	8.7	9.5	10.4	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
65°	8.7	9.6	10.6	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
62.5°	8.7	9.7	10.7	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
60°	8.7	9.8	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
57.5°	8.7	9.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
55°	8.7	10.0	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
52.5°	8.7	10.0	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
50°	8.7	10.1	10.9	10.9	10.9	10.9	10.9	11.0	10.9	10.9	11.9
47.5°	8.7	10.2	10.9	10.9	10.9	10.9	10.9	11.2	10.9	10.9	12.9
45°	8.7	10.3	10.9	10.9	10.9	10.9	11.1	11.4	11.0	11.6	13.7
42.5°	8.7	10.3	10.9	10.9	10.9	10.9	11.3	11.6	11.2	12.2	14.2
40°	8.7	10.4	10.9	10.9	10.9	10.9	11.6	11.7	11.5	12.7	14.7
37.5°	8.7	10.4	10.9	10.9	10.9	10.9	11.8	11.8	12.1	13.5	15.1
35°	8.7	10.5	10.9	10.9	10.9	11.0	12.1	11.9	12.7	14.5	15.5
32.5°	8.7	10.6	10.9	10.9	10.9	11.3	12.4	12.1	13.3	15.7	17.1
30°	8.7	10.6	10.9	10.9	10.9	11.5	12.5	12.3	13.9	17.0	19.0
27.5°	8.7	10.7	10.9	10.9	10.9	11.8	12.6	12.8	14.7	18.6	21.1
25°	8.7	10.7	10.9	10.9	10.9	12.0	12.8	13.2	15.9	20.4	23.5
22.5°	8.7	10.7	10.9	10.9	10.9	12.3	12.9	13.7	17.2	22.2	28.1
20°	8.7	10.8	10.9	10.9	10.9	12.4	13.0	14.1	18.5	24.3	33.0
17.5°	8.7	10.8	10.9	10.9	10.9	12.6	13.2	14.5	19.9	26.3	38.1
15°	8.7	10.8	10.9	10.9	10.9	12.7	13.5	15.1	21.3	28.5	43.4
12.5°	8.7	10.8	10.9	10.9	10.9	12.8	13.7	16.2	23.3	30.7	48.7
10°	8.7	10.9	10.9	10.9	10.9	12.9	14.0	17.3	25.8	35.1	55.6
7.5°	8.7	10.9	10.9	10.9	10.9	13.0	14.3	18.5	28.2	40.1	66.0
5°	8.7	10.9	10.9	10.9	10.9	13.1	14.7	19.6	30.6	45.0	76.5
2.5°	8.7	10.9	10.9	10.9	10.9	13.1	15.0	20.7	32.9	49.9	86.6
0°	8.7	10.9	10.9	10.9	10.9	13.1	15.3	21.8	35.0	54.6	96.1
-2.5°	8.7	10.9	10.9	10.9	10.9	13.3	16.7	24.9	41.2	66.1	113.5
-5°	8.7	10.9	10.9	10.9	10.9	13.5	18.1	27.7	47.1	77.1	129.6
-7.5°	8.7	10.9	10.9	10.9	10.9	13.7	19.4	30.4	52.5	87.1	144.3
-10°	8.7	10.9	10.9	10.9	10.9	13.8	20.5	32.8	57.2	95.9	157.2
-12.5°	8.7	10.9	10.9	10.9	10.9	13.9	21.4	34.9	61.1	103.5	168.7
-15°	8.7	10.8	10.9	10.9	10.9	13.9	22.0	36.6	64.9	110.9	178.2
-17.5°	8.7	10.8	10.9	10.9	10.9	13.9	22.4	38.3	68.3	116.4	185.2
-20°	8.7	10.8	10.9	10.9	10.9	13.8	22.8	40.0	70.5	120.1	189.6



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 CATALOG NUMBER: EPH-LS-08-0680R-40-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.7	10.8	10.9	10.9	10.9	13.6	23.3	41.2	71.3	121.7	191.3
-25°	8.7	10.7	10.9	10.9	10.9	13.6	23.4	41.7	70.6	121.1	190.0
-27.5°	8.7	10.7	10.9	10.9	10.9	13.5	23.1	41.6	68.2	119.0	188.8
-30°	8.7	10.7	10.9	10.9	10.9	13.4	22.2	40.9	66.7	116.2	184.8
-32.5°	8.7	10.6	10.9	10.9	11.1	13.0	20.9	39.9	65.7	111.1	177.6
-35°	8.7	10.6	10.9	10.9	11.2	12.5	20.1	38.3	63.7	103.6	167.3
-37.5°	8.7	10.6	10.9	10.9	11.4	12.1	19.5	36.0	60.9	93.8	150.7
-40°	8.7	10.6	10.9	10.9	11.5	12.3	18.5	32.9	57.0	87.5	134.1
-42.5°	8.7	10.5	10.9	10.9	11.7	12.4	17.3	29.1	52.6	80.3	116.3
-45°	8.7	10.5	10.9	11.0	11.7	12.6	15.7	25.7	47.4	71.9	98.7
-47.5°	8.7	10.4	10.9	11.0	11.8	12.8	13.9	23.6	41.1	62.7	88.2
-50°	8.7	10.4	10.9	11.1	11.8	12.9	13.8	21.0	33.2	53.6	76.8
-52.5°	8.7	10.4	10.9	11.1	11.8	13.1	14.0	18.0	27.9	44.0	64.6
-55°	8.7	10.3	10.9	11.1	11.8	13.1	14.1	15.1	23.9	33.8	53.0
-57.5°	8.7	10.3	10.9	11.1	11.8	13.0	14.3	15.3	19.7	27.9	40.7
-60°	8.7	10.3	10.9	11.1	11.7	12.8	14.4	15.4	16.3	23.3	30.5
-62.5°	8.7	10.2	10.9	11.0	11.6	12.6	14.1	15.4	16.1	18.6	25.4
-65°	8.7	10.2	10.9	11.0	11.5	12.4	13.8	15.1	15.8	17.1	20.3
-67.5°	8.7	10.2	10.9	11.0	11.4	12.2	13.4	14.5	15.3	16.3	17.9
-70°	8.7	10.1	10.9	10.9	11.3	11.9	13.0	13.9	14.6	15.3	16.5
-72.5°	8.7	10.1	10.9	10.9	11.1	11.7	12.5	13.3	13.9	14.5	15.1
-75°	8.7	10.1	10.9	10.8	10.9	11.3	12.0	12.6	13.2	13.7	14.2
-77.5°	8.7	10.0	10.9	10.7	10.8	11.0	11.5	12.0	12.4	12.9	13.3
-80°	8.7	10.0	10.9	10.6	10.6	10.7	11.0	11.3	11.7	12.1	12.4
-82.5°	8.7	9.9	10.9	10.6	10.4	10.3	10.4	10.7	11.0	11.2	11.5
-85°	8.7	9.9	10.9	10.5	10.2	10.0	9.8	10.2	10.5	10.8	10.9
-87.5°	8.7	9.8	10.9	10.4	10.0	9.6	9.3	9.7	10.2	10.6	10.9
-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°	10.4	9.8	9.3	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	7.7	7.1
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.4	8.2	8.1
82.5°	9.3	9.3	9.1	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
80°	10.2	9.9	9.3	8.8	8.7	8.7	8.7	8.7	8.7	8.7	8.7
77.5°	10.5	9.9	9.4	8.8	8.7	8.7	8.7	8.7	8.7	8.7	8.7
75°	10.5	10.0	9.4	8.9	8.7	8.7	8.8	9.2	9.4	9.5	9.3
72.5°	10.6	10.1	9.5	9.0	9.2	9.7	10.2	10.7	11.2	11.5	11.8
70°	10.7	10.1	9.9	10.0	10.5	11.1	12.1	13.3	14.4	15.2	16.6
67.5°	10.8	10.5	10.6	11.0	11.8	12.9	14.2	17.1	20.1	21.8	23.6
65°	10.9	10.8	11.2	11.9	13.0	15.8	19.0	22.4	27.8	31.0	32.3
62.5°	10.9	11.1	11.6	13.3	16.3	19.8	24.2	30.2	37.5	42.5	42.8
60°	10.9	11.2	13.0	16.1	19.6	23.8	29.7	38.0	48.7	56.7	51.6
57.5°	10.9	12.2	15.3	18.6	22.3	27.1	34.9	45.4	55.6	66.3	56.9
55°	11.5	13.9	17.0	20.4	24.7	29.9	38.0	46.8	57.9	61.1	50.4
52.5°	12.9	15.4	18.0	21.7	26.5	31.2	36.3	43.9	47.4	48.1	40.0
50°	14.2	16.1	18.6	22.7	27.3	30.6	31.7	36.1	36.5	33.1	28.7
47.5°	15.0	16.8	18.8	23.1	27.3	29.3	28.7	27.7	25.4	23.5	18.2
45°	15.6	17.5	19.4	23.6	27.0	27.7	25.3	20.0	20.9	18.6	17.2
42.5°	16.2	18.1	21.0	24.3	26.5	26.3	22.8	21.1	19.6	19.2	18.7
40°	16.7	18.7	23.1	26.0	26.6	25.8	25.9	24.8	21.3	22.7	22.9
37.5°	17.2	20.8	26.0	30.4	27.4	28.9	30.9	31.4	29.6	28.9	31.9
35°	17.6	23.1	31.8	36.7	34.0	35.0	39.1	40.8	41.3	41.1	43.4
32.5°	19.1	25.5	39.5	44.3	45.6	46.3	49.2	53.4	58.2	60.2	57.7
30°	22.1	32.7	48.4	53.5	59.2	67.3	65.5	68.7	79.5	83.8	87.8
27.5°	27.1	42.0	57.3	66.0	76.1	94.6	101.3	94.6	103.7	112.4	125.5
25°	32.8	65.6	67.3	80.1	102.9	130.9	148.7	156.4	136.0	151.2	186.4
22.5°	45.5	96.4	102.7	95.3	133.9	175.2	210.4	229.3	226.8	212.2	259.5
20°	68.0	127.6	144.2	147.2	176.7	226.0	280.9	312.9	343.2	396.1	534.8
17.5°	94.4	162.2	188.2	214.6	268.1	312.0	358.8	406.4	478.3	635.5	1106.2
15°	123.7	199.4	234.2	287.8	367.4	440.8	498.0	540.7	667.7	997.0	1829.4
12.5°	154.9	238.6	281.7	365.2	472.2	576.3	657.5	743.5	957.1	1604.6	2979.3
10°	186.9	279.0	330.1	445.4	580.4	716.2	821.4	950.8	1284.7	2292.5	4234.4
7.5°	222.6	322.1	379.4	526.3	689.8	857.8	987.4	1159.7	1619.1	2987.6	5497.3
5°	257.1	367.3	431.9	596.2	782.0	982.3	1142.5	1366.3	1949.8	3661.4	6724.6
2.5°	288.9	410.9	483.3	660.1	859.3	1076.9	1248.3	1489.9	2178.9	4104.1	7628.0
0°	316.8	452.2	533.0	718.7	930.6	1164.4	1347.9	1603.4	2363.7	4371.2	8167.9
-2.5°	327.4	468.1	553.4	733.6	940.6	1179.2	1366.2	1613.3	2420.4	4479.5	8247.4
-5°	333.5	480.3	571.3	743.2	944.0	1185.0	1376.9	1613.2	2406.2	4385.7	7859.8
-7.5°	335.4	488.6	586.5	744.5	926.2	1146.9	1323.1	1528.5	2216.6	3997.9	7023.9
-10°	333.5	487.3	582.0	717.0	879.9	1080.0	1250.9	1436.0	1997.9	3511.6	6094.4
-12.5°	327.4	478.4	573.3	688.0	832.0	1008.3	1175.2	1337.4	1755.1	2932.6	5137.1
-15°	319.1	467.9	564.1	658.6	783.8	932.9	1097.0	1233.9	1502.4	2314.9	4186.9
-17.5°	309.4	456.2	555.1	629.6	736.6	854.8	1020.6	1147.6	1316.0	1921.1	3422.3
-20°	298.6	443.8	546.5	602.1	692.6	795.5	947.1	1076.0	1218.5	1610.7	2602.4



REPORT NUMBER: P701617 (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°	287.4	431.1	534.0	586.8	663.7	754.7	873.0	1000.4	1119.4	1268.0	1906.4
-25°	281.8	412.5	515.4	576.3	636.8	715.2	801.5	921.0	1027.3	1170.1	1538.4
-27.5°	279.1	395.0	493.5	564.6	610.4	679.0	750.5	842.8	964.4	1090.7	1224.2
-30°	272.6	369.1	471.0	548.3	593.7	649.5	709.4	787.8	904.1	1020.6	1138.5
-32.5°	256.6	341.5	442.0	522.3	578.4	621.8	680.0	751.8	845.2	952.2	1058.1
-35°	235.9	317.4	409.1	496.3	560.9	603.0	655.9	717.6	790.7	886.6	999.8
-37.5°	215.2	290.6	374.9	465.1	532.7	588.2	630.4	686.4	749.9	825.9	937.3
-40°	192.1	261.2	341.8	426.5	505.6	566.5	613.5	655.9	710.7	785.4	865.2
-42.5°	167.4	233.1	307.0	386.2	465.0	534.8	594.4	634.3	680.9	745.6	818.3
-45°	146.4	202.5	270.0	343.0	417.2	494.0	557.4	615.6	658.1	707.2	771.9
-47.5°	124.2	171.7	233.2	297.0	366.9	438.9	513.0	574.6	634.6	679.4	725.2
-50°	103.4	146.0	193.1	252.4	314.1	381.2	450.2	523.3	586.2	644.2	694.1
-52.5°	89.4	119.0	160.7	207.5	262.9	321.1	385.8	452.9	522.1	588.0	639.8
-55°	74.2	99.3	128.8	168.5	213.1	264.3	319.9	381.6	442.7	507.1	566.4
-57.5°	59.6	81.1	104.0	131.9	169.4	209.6	258.6	309.9	365.8	421.0	468.1
-60°	45.1	63.7	84.1	104.9	127.9	163.0	198.7	241.9	289.3	335.2	376.6
-62.5°	31.8	47.1	64.8	83.4	102.1	120.2	148.8	181.2	213.6	252.3	288.5
-65°	26.4	32.9	45.9	62.3	79.1	95.9	112.4	128.3	155.2	182.5	208.0
-67.5°	20.9	26.7	32.7	40.8	55.7	70.7	86.2	100.9	115.1	128.9	144.8
-70°	18.6	20.9	25.6	31.1	36.7	44.2	57.4	70.9	85.0	99.1	111.3
-72.5°	16.8	19.0	21.2	23.3	27.9	32.6	37.2	41.7	50.5	62.6	74.9
-75°	15.3	17.0	19.1	21.1	22.9	24.9	27.3	31.3	35.3	39.4	43.6
-77.5°	14.0	15.1	16.6	18.5	20.2	21.7	23.3	25.0	26.9	28.9	31.0
-80°	12.7	13.1	13.9	14.9	16.4	17.8	19.2	20.5	21.9	23.2	24.7
-82.5°	11.7	12.0	12.2	12.5	13.1	13.9	14.9	16.0	16.8	17.5	18.4
-85°	10.9	10.9	11.1	11.2	11.5	11.8	12.2	12.7	13.0	13.2	13.5
-87.5°	10.6	10.4	10.1	10.0	10.0	10.1	10.2	10.3	10.3	10.4	10.4
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.2	7.7	7.1



REPORT NUMBER: P701617 (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°
90°	8.7	9.8	10.9	12.0	13.1	14.2	15.3	16.4	17.5	18.6	19.7
87.5°	6.6	6.6	6.6	6.6	6.6	6.1	5.5	5.0	4.4	3.9	3.3
85°	7.9	7.7	7.4	7.0	6.6	6.1	5.5	5.0	4.4	3.9	3.3
82.5°	8.7	8.2	7.7	7.2	6.6	6.1	5.5	5.0	4.4	3.9	3.3
80°	8.7	8.3	7.7	7.2	6.7	6.1	5.6	5.0	4.4	3.9	3.3
77.5°	8.7	8.3	7.8	7.2	6.7	6.2	5.6	5.0	4.5	4.3	4.3
75°	8.9	8.5	8.5	8.2	7.7	7.3	7.0	6.6	6.2	5.9	5.5
72.5°	12.1	12.0	11.7	11.4	10.7	10.2	9.8	9.2	8.4	7.9	7.5
70°	17.9	18.6	18.0	16.8	14.9	13.4	12.5	11.6	10.7	9.8	8.9
67.5°	24.9	24.9	23.1	20.8	17.7	14.9	13.8	12.6	11.4	10.8	10.6
65°	32.2	30.1	27.1	23.4	19.2	15.1	13.9	12.7	11.5	10.9	10.9
62.5°	40.4	33.7	27.1	22.4	18.5	15.1	13.5	11.9	10.4	9.3	9.1
60°	43.4	32.2	23.2	19.3	16.1	13.5	11.8	10.5	9.4	8.7	8.7
57.5°	42.0	28.8	18.7	15.5	13.1	11.4	10.3	9.2	8.2	7.3	7.1
55°	35.8	23.5	14.0	12.0	10.8	9.5	8.5	7.9	7.3	6.6	6.6
52.5°	26.3	18.0	12.6	10.5	9.9	9.3	8.6	8.4	8.2	8.0	7.8
50°	19.3	13.9	12.0	10.7	10.3	10.3	10.6	10.6	10.4	10.2	9.8
47.5°	15.7	13.6	12.2	11.0	11.3	12.3	12.8	12.8	12.6	12.4	12.1
45°	15.2	14.0	13.3	14.0	14.7	15.3	15.4	15.0	15.7	15.9	15.6
42.5°	16.7	16.9	18.2	19.3	18.5	19.8	21.1	21.0	22.0	22.8	22.8
40°	23.5	22.9	26.4	27.4	27.8	29.1	32.8	32.4	34.1	38.7	39.6
37.5°	33.7	35.6	37.9	40.0	45.8	49.6	56.9	62.7	65.8	74.6	81.4
35°	47.7	52.4	53.6	65.2	77.2	88.4	98.6	110.9	116.1	135.6	149.2
32.5°	67.4	77.2	90.5	109.7	132.3	159.1	157.9	198.9	213.8	253.7	299.6
30°	94.3	121.8	165.4	195.6	251.2	294.9	317.0	380.9	466.9	549.0	660.7
27.5°	153.3	211.2	290.1	394.2	448.4	514.3	613.8	690.3	886.4	1073.8	1211.3
25°	263.8	385.0	534.0	687.7	784.0	870.4	1052.4	1185.9	1463.9	1672.7	1970.5
22.5°	504.3	763.4	952.0	1066.1	1272.7	1542.9	1674.0	2041.3	2453.6	2979.9	3414.9
20°	849.8	1257.5	1677.7	1934.3	2170.2	2766.6	3028.0	3715.9	4592.3	5582.8	6408.5
17.5°	1663.0	2035.4	2890.8	3724.4	4351.4	4940.3	6593.0	7773.6	10065.1	12869.5	14163.0
15°	2984.0	4025.0	5023.2	6535.2	8135.2	9915.4	12508.9	16986.6	22610.6	28743.1	35376.3
12.5°	4837.7	6737.8	8523.4	10426.7	12717.2	17091.4	23004.7	30825.1	40930.3	51772.4	64290.9
10°	6920.0	9811.9	12420.0	15293.4	19360.7	25859.0	34623.7	46687.9	64683.7	83078.8	99034.7
7.5°	8784.9	12287.2	15825.0	19984.0	26431.1	35712.1	48321.9	67158.6	90659.4	113423.5	132833.5
5°	10571.9	14663.3	18695.7	23652.8	31778.2	43890.8	60210.3	86052.1	115761.2	141019.7	162292.2
2.5°	11964.3	16522.6	21137.1	26967.1	36237.4	50018.9	68554.7	99832.7	135690.3	163703.1	188026.9
0°	12762.0	17133.2	22142.3	28182.5	38849.6	53861.6	72871.3	106176.6	141887.0	173017.5	196788.4
-2.5°	12605.8	17186.2	22307.2	28417.7	38528.4	52941.3	71680.8	103451.5	138994.3	167058.2	190091.7
-5°	11810.0	16000.7	20515.6	25876.6	34798.1	47931.0	66330.5	96186.4	129172.1	157242.6	180652.7
-7.5°	10569.0	14274.9	18205.2	22871.4	30416.5	41844.0	57659.6	80906.1	110131.6	135554.8	153101.0
-10°	9214.6	12475.4	16022.2	20244.9	26195.9	35154.5	47137.7	63930.5	87833.2	109017.7	125293.1
-12.5°	7930.4	10894.8	13980.2	17506.2	22010.5	29066.6	38174.2	50711.3	66119.5	83533.4	100157.9
-15°	6698.9	9302.1	11994.5	15258.4	19175.6	23962.8	30085.6	38520.7	48643.8	60057.2	72369.3
-17.5°	5526.4	7812.2	10345.4	13195.3	16432.3	20089.8	25224.7	31009.0	37435.5	44872.2	51922.8
-20°	4335.7	6447.7	8746.2	11283.4	14187.7	17522.0	21175.8	25520.6	30170.1	35251.1	40525.4



REPORT NUMBER: P701617 (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°	3309.1	5108.8	7119.9	9429.7	12156.4	15095.5	17929.7	20781.5	24221.3	27572.3	30937.7
-25°	2317.2	3744.4	5622.2	7830.2	10145.4	12601.9	14705.3	16715.5	19104.2	21252.6	23489.8
-27.5°	1704.2	2684.8	4237.7	6196.0	8272.4	9957.3	11728.2	13377.0	15106.7	16470.3	18046.1
-30°	1299.6	1864.2	3018.1	4545.7	6211.6	7679.7	9046.4	10539.5	11961.7	13145.5	14136.2
-32.5°	1185.3	1400.4	1984.5	3048.6	4252.8	5555.6	6738.0	8037.7	9230.7	10215.3	11003.9
-35°	1113.9	1230.5	1400.8	1938.0	2644.1	3672.6	4659.3	5723.7	6712.6	7524.8	8177.8
-37.5°	1053.0	1155.4	1255.8	1356.7	1745.7	2179.6	2891.7	3662.1	4330.1	5072.9	5652.7
-40°	977.4	1092.3	1173.5	1256.5	1349.9	1458.4	1834.2	2171.7	2549.4	3073.8	3507.9
-42.5°	894.4	991.5	1092.6	1173.9	1245.9	1322.5	1407.6	1492.0	1665.7	1886.1	2065.5
-45°	840.1	903.9	977.4	1069.6	1153.8	1217.6	1280.9	1342.2	1400.2	1452.4	1496.0
-47.5°	781.4	835.6	895.2	958.6	1020.9	1091.8	1158.4	1213.9	1257.9	1300.0	1337.5
-50°	729.1	769.2	819.5	868.8	917.9	968.2	1017.9	1060.8	1103.3	1141.6	1179.0
-52.5°	686.9	720.7	753.7	786.7	826.7	865.5	902.3	935.3	965.4	991.6	1019.1
-55°	615.8	658.4	700.6	730.0	755.2	779.6	803.8	831.1	855.0	875.5	894.9
-57.5°	519.1	570.7	617.7	652.2	684.8	715.4	736.8	752.5	767.7	782.1	795.3
-60°	416.6	455.2	500.3	544.5	585.3	622.3	646.1	666.3	683.5	697.8	710.6
-62.5°	321.9	355.0	391.8	427.5	460.4	492.9	524.5	552.1	575.7	595.8	612.2
-65°	234.5	263.4	294.7	325.0	354.0	382.5	408.7	432.6	454.2	473.5	491.4
-67.5°	167.0	188.2	210.9	231.3	254.4	279.4	304.2	326.3	345.9	361.5	373.1
-70°	122.8	134.9	149.8	167.4	186.5	204.4	222.2	239.2	255.4	269.5	282.0
-72.5°	87.3	99.7	111.6	122.7	134.5	146.3	158.4	170.9	183.7	194.5	203.8
-75°	47.8	54.0	64.1	73.9	83.3	92.4	100.4	107.5	113.6	118.7	123.1
-77.5°	34.0	38.0	42.2	46.3	50.2	55.0	60.0	65.0	70.0	74.0	77.6
-80°	26.3	28.5	31.0	33.6	36.3	39.6	43.0	46.4	49.8	52.2	54.5
-82.5°	19.2	20.9	22.6	24.2	25.9	27.9	30.0	32.0	34.0	35.4	36.7
-85°	13.7	14.8	16.0	17.2	18.4	20.3	22.1	23.9	25.7	26.9	28.2
-87.5°	10.5	11.2	11.8	12.5	13.1	14.7	16.3	18.0	19.6	20.2	20.7
-90°	6.6	6.6	6.6	6.6	6.6	6.1	5.5	5.0	4.4	3.9	3.3



REPORT NUMBER: P701617 (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°	20.7	21.8	21.8	21.8	21.8	21.8	20.7	19.7	18.6	17.5	16.4
87.5°	2.8	2.2	2.2	2.2	2.2	2.2	2.8	3.3	3.9	4.4	5.0
85°	2.8	2.2	2.2	2.2	2.2	2.2	2.8	3.3	3.9	4.4	5.0
82.5°	2.8	2.2	2.2	2.2	2.2	2.2	2.8	3.3	3.9	4.4	5.0
80°	2.8	2.2	2.2	2.2	2.2	2.2	2.8	3.3	3.9	4.4	5.0
77.5°	4.3	4.4	3.3	2.2	3.3	4.4	4.3	4.3	4.3	4.5	5.0
75°	5.0	4.4	3.3	2.2	3.3	4.4	5.0	5.5	5.9	6.2	6.6
72.5°	7.1	6.6	6.6	6.6	6.6	6.6	7.1	7.5	7.9	8.4	9.2
70°	7.8	6.7	6.6	6.6	6.6	6.7	7.8	8.9	9.8	10.7	11.6
67.5°	10.7	10.8	10.9	10.9	10.9	10.8	10.7	10.6	10.8	11.4	12.6
65°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	11.5	12.7
62.5°	8.9	8.8	8.7	8.7	8.7	8.8	8.9	9.1	9.3	10.4	11.9
60°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	9.4	10.5
57.5°	6.9	6.7	6.6	6.6	6.6	6.7	6.9	7.1	7.3	8.2	9.2
55°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	7.3	7.9
52.5°	7.4	6.9	6.6	6.6	6.6	6.9	7.4	7.8	8.0	8.2	8.4
50°	9.4	8.9	8.7	8.7	8.7	8.9	9.4	9.8	10.2	10.4	10.6
47.5°	11.6	11.1	10.9	10.9	10.9	11.1	11.6	12.1	12.4	12.6	12.8
45°	14.9	13.8	13.1	13.1	13.1	13.8	14.9	15.6	15.9	15.7	15.0
42.5°	22.6	22.0	21.6	21.8	21.6	22.0	22.6	22.8	22.8	22.0	21.0
40°	41.5	42.6	43.1	43.7	43.1	42.6	41.5	39.6	38.7	34.1	32.4
37.5°	85.1	83.5	79.7	80.8	79.7	83.5	85.1	81.4	74.6	65.8	62.7
35°	158.0	167.5	174.2	179.1	174.2	167.5	158.0	149.2	135.6	116.1	110.9
32.5°	316.6	329.6	325.8	318.9	325.8	329.6	316.6	299.6	253.7	213.8	198.9
30°	726.7	764.7	754.4	710.0	754.4	764.7	726.7	660.7	549.0	466.9	380.9
27.5°	1310.1	1401.7	1461.5	1430.9	1461.5	1401.7	1310.1	1211.3	1073.8	886.4	690.3
25°	2227.4	2405.3	2532.7	2479.4	2532.7	2405.3	2227.4	1970.5	1672.7	1463.9	1185.9
22.5°	3960.4	4252.7	4426.3	4471.7	4426.3	4252.7	3960.4	3414.9	2979.9	2453.6	2041.3
20°	7447.0	7680.1	7726.4	7610.9	7726.4	7680.1	7447.0	6408.5	5582.8	4592.3	3715.9
17.5°	17918.5	18994.7	18205.8	17377.9	18205.8	18994.7	17918.5	14163.0	12869.5	10065.1	7773.6
15°	40989.3	45534.2	48123.3	48651.5	48123.3	45534.2	40989.3	35376.3	28743.1	22610.6	16986.6
12.5°	72225.5	79549.8	82572.3	82289.9	82572.3	79549.8	72225.5	64290.9	51772.4	40930.3	30825.1
10°	109269.9	117100.4	123837.9	123906.1	123837.9	117100.4	109269.9	99034.7	83078.8	64683.7	46687.9
7.5°	146305.8	155336.5	161674.9	163483.2	161674.9	155336.5	146305.8	132833.5	113423.5	90659.4	67158.6
5°	178728.4	189908.8	196201.5	198123.1	196201.5	189908.8	178728.4	162292.2	141019.7	115761.2	86052.1
2.5°	207234.3	220930.8	227832.4	228905.3	227832.4	220930.8	207234.3	188026.9	163703.1	135690.3	99832.7
0°	215077.2	227286.5	236224.5	239406.2	236224.5	227286.5	215077.2	196788.4	173017.5	141887.0	106176.6
-2.5°	207345.2	218026.9	223354.1	225576.0	223354.1	218026.9	207345.2	190091.7	167058.2	138994.3	103451.5
-5°	195123.4	205091.9	211876.3	213447.6	211876.3	205091.9	195123.4	180652.7	157242.6	129172.1	96186.4
-7.5°	164673.6	174485.5	177533.9	180989.9	177533.9	174485.5	164673.6	153101.0	135554.8	110131.6	80906.1
-10°	137588.0	145221.0	147320.3	149768.7	147320.3	145221.0	137588.0	125293.1	109017.7	87833.2	63930.5
-12.5°	113842.3	121402.9	124825.8	127755.3	124825.8	121402.9	113842.3	100157.9	83533.4	66119.5	50711.3
-15°	83404.9	90511.0	92965.7	94550.5	92965.7	90511.0	83404.9	72369.3	60057.2	48643.8	38520.7
-17.5°	60417.0	65829.0	69045.1	70909.6	69045.1	65829.0	60417.0	51922.8	44872.2	37435.5	31009.0
-20°	45161.5	48263.0	50754.3	51028.3	50754.3	48263.0	45161.5	40525.4	35251.1	30170.1	25520.6



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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°	33757.5	35604.8	36751.7	36682.5	36751.7	35604.8	33757.5	30937.7	27572.3	24221.3	20781.5
-25°	25196.0	26438.0	27227.9	27369.9	27227.9	26438.0	25196.0	23489.8	21252.6	19104.2	16715.5
-27.5°	19174.1	20048.6	20501.7	20525.8	20501.7	20048.6	19174.1	18046.1	16470.3	15106.7	13377.0
-30°	14855.2	15583.5	16066.6	16436.4	16066.6	15583.5	14855.2	14136.2	13145.5	11961.7	10539.5
-32.5°	11666.7	12288.4	12709.9	12960.8	12709.9	12288.4	11666.7	11003.9	10215.3	9230.7	8037.7
-35°	8746.5	9244.4	9542.3	9467.7	9542.3	9244.4	8746.5	8177.8	7524.8	6712.6	5723.7
-37.5°	6163.3	6585.3	6885.6	7075.7	6885.6	6585.3	6163.3	5652.7	5072.9	4330.1	3662.1
-40°	3883.5	4175.4	4383.0	4515.4	4383.0	4175.4	3883.5	3507.9	3073.8	2549.4	2171.7
-42.5°	2211.7	2320.8	2394.3	2433.6	2394.3	2320.8	2211.7	2065.5	1886.1	1665.7	1492.0
-45°	1529.7	1556.9	1576.6	1588.1	1576.6	1556.9	1529.7	1496.0	1452.4	1400.2	1342.2
-47.5°	1367.0	1389.2	1403.8	1411.2	1403.8	1389.2	1367.0	1337.5	1300.0	1257.9	1213.9
-50°	1212.6	1240.1	1256.6	1262.7	1256.6	1240.1	1212.6	1179.0	1141.6	1103.3	1060.8
-52.5°	1044.9	1067.1	1082.1	1090.1	1082.1	1067.1	1044.9	1019.1	991.6	965.4	935.3
-55°	911.8	926.0	933.3	935.0	933.3	926.0	911.8	894.9	875.5	855.0	831.1
-57.5°	806.5	815.6	822.8	827.9	822.8	815.6	806.5	795.3	782.1	767.7	752.5
-60°	720.9	728.8	732.9	734.0	732.9	728.8	720.9	710.6	697.8	683.5	666.3
-62.5°	625.0	634.4	641.7	646.6	641.7	634.4	625.0	612.2	595.8	575.7	552.1
-65°	507.6	521.8	529.2	533.0	529.2	521.8	507.6	491.4	473.5	454.2	432.6
-67.5°	382.5	389.7	391.4	391.0	391.4	389.7	382.5	373.1	361.5	345.9	326.3
-70°	293.7	304.4	308.4	310.2	308.4	304.4	293.7	282.0	269.5	255.4	239.2
-72.5°	212.3	219.9	224.3	227.2	224.3	219.9	212.3	203.8	194.5	183.7	170.9
-75°	126.8	129.9	131.9	133.3	131.9	129.9	126.8	123.1	118.7	113.6	107.5
-77.5°	81.2	84.6	86.1	87.4	86.1	84.6	81.2	77.6	74.0	70.0	65.0
-80°	56.6	58.6	58.9	59.0	58.9	58.6	56.6	54.5	52.2	49.8	46.4
-82.5°	38.0	39.2	39.3	39.3	39.3	39.2	38.0	36.7	35.4	34.0	32.0
-85°	29.3	30.5	30.6	30.6	30.6	30.5	29.3	28.2	26.9	25.7	23.9
-87.5°	21.3	21.8	22.9	24.0	22.9	21.8	21.3	20.7	20.2	19.6	18.0
-90°	2.7	2.2	1.1	0.0	1.1	2.2	2.8	3.3	3.9	4.4	5.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	15.3	14.2	13.1	12.0	10.9	9.8	8.7	8.7	8.7	8.7	8.7
87.5°	5.5	6.1	6.6	6.6	6.6	6.6	6.6	7.1	7.7	8.2	8.7
85°	5.5	6.1	6.6	7.0	7.4	7.7	7.9	8.1	8.2	8.4	8.7
82.5°	5.5	6.1	6.6	7.2	7.7	8.2	8.7	8.7	8.7	8.7	8.7
80°	5.6	6.1	6.7	7.2	7.7	8.3	8.7	8.7	8.7	8.7	8.7
77.5°	5.6	6.2	6.7	7.2	7.8	8.3	8.7	8.7	8.7	8.7	8.7
75°	7.0	7.3	7.7	8.2	8.5	8.5	8.9	9.3	9.5	9.4	9.2
72.5°	9.8	10.2	10.7	11.4	11.7	12.0	12.1	11.8	11.5	11.2	10.7
70°	12.5	13.4	14.9	16.8	18.0	18.6	17.9	16.6	15.2	14.4	13.3
67.5°	13.8	14.9	17.7	20.8	23.1	24.9	24.9	23.6	21.8	20.1	17.1
65°	13.9	15.1	19.2	23.4	27.1	30.1	32.2	32.3	31.0	27.8	22.4
62.5°	13.5	15.1	18.5	22.4	27.1	33.7	40.4	42.8	42.5	37.5	30.2
60°	11.8	13.5	16.1	19.3	23.2	32.2	43.4	51.6	56.7	48.7	38.0
57.5°	10.3	11.4	13.1	15.5	18.7	28.8	42.0	56.9	66.3	55.6	45.4
55°	8.5	9.5	10.8	12.0	14.0	23.5	35.8	50.4	61.1	57.9	46.8
52.5°	8.6	9.3	9.9	10.5	12.6	18.0	26.3	40.0	48.1	47.4	43.9
50°	10.6	10.3	10.3	10.7	12.0	13.9	19.3	28.7	33.1	36.5	36.1
47.5°	12.8	12.3	11.3	11.0	12.2	13.6	15.7	18.2	23.5	25.4	27.7
45°	15.4	15.3	14.7	14.0	13.3	14.0	15.2	17.2	18.6	20.9	20.0
42.5°	21.1	19.8	18.5	19.3	18.2	16.9	16.7	18.7	19.2	19.6	21.1
40°	32.8	29.1	27.8	27.4	26.4	22.9	23.5	22.9	22.7	21.3	24.8
37.5°	56.9	49.6	45.8	40.0	37.9	35.6	33.7	31.9	28.9	29.6	31.4
35°	98.6	88.4	77.2	65.2	53.6	52.4	47.7	43.4	41.1	41.3	40.8
32.5°	157.9	159.1	132.3	109.7	90.5	77.2	67.4	57.7	60.2	58.2	53.4
30°	317.0	294.9	251.2	195.6	165.4	121.8	94.3	87.8	83.8	79.5	68.7
27.5°	613.8	514.3	448.4	394.2	290.1	211.2	153.3	125.5	112.4	103.7	94.6
25°	1052.4	870.4	784.0	687.7	534.0	385.0	263.8	186.4	151.2	136.0	156.4
22.5°	1674.0	1542.9	1272.7	1066.1	952.0	763.4	504.3	259.5	212.2	226.8	229.3
20°	3028.0	2766.6	2170.2	1934.3	1677.7	1257.5	849.8	534.8	396.1	343.2	312.9
17.5°	6593.0	4940.3	4351.4	3724.4	2890.8	2035.4	1663.0	1106.2	635.5	478.3	406.4
15°	12508.9	9915.4	8135.2	6535.2	5023.2	4025.0	2984.0	1829.4	997.0	667.7	540.7
12.5°	23004.7	17091.4	12717.2	10426.7	8523.4	6737.8	4837.7	2979.3	1604.6	957.1	743.5
10°	34623.7	25859.0	19360.7	15293.4	12420.0	9811.9	6920.0	4234.4	2292.5	1284.7	950.8
7.5°	48321.9	35712.1	26431.1	19984.0	15825.0	12287.2	8784.9	5497.3	2987.6	1619.1	1159.7
5°	60210.3	43890.8	31778.2	23652.8	18695.7	14663.3	10571.9	6724.6	3661.4	1949.8	1366.3
2.5°	68554.7	50018.9	36237.4	26967.1	21137.1	16522.6	11964.3	7628.0	4104.1	2178.9	1489.9
0°	72871.3	53861.6	38849.6	28182.5	22142.3	17133.2	12762.0	8167.9	4371.2	2363.7	1603.4
-2.5°	71680.8	52941.3	38528.4	28417.7	22307.2	17186.2	12605.8	8247.4	4479.5	2420.4	1613.3
-5°	66330.5	47931.0	34798.1	25876.6	20515.6	16000.7	11810.0	7859.8	4385.7	2406.2	1613.2
-7.5°	57659.6	41844.0	30416.5	22871.4	18205.2	14274.9	10569.0	7023.9	3997.9	2216.6	1528.5
-10°	47137.7	35154.5	26195.9	20244.9	16022.2	12475.4	9214.6	6094.4	3511.6	1997.9	1436.0
-12.5°	38174.2	29066.6	22010.5	17506.2	13980.2	10894.8	7930.4	5137.1	2932.6	1755.1	1337.4
-15°	30085.6	23962.8	19175.6	15258.4	11994.5	9302.1	6698.9	4186.9	2314.9	1502.4	1233.9
-17.5°	25224.7	20089.8	16432.3	13195.3	10345.4	7812.2	5526.4	3422.3	1921.1	1316.0	1147.6
-20°	21175.8	17522.0	14187.7	11283.4	8746.2	6447.7	4335.7	2602.4	1610.7	1218.5	1076.0



REPORT NUMBER: P701617 (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°	17929.7	15095.5	12156.4	9429.7	7119.9	5108.8	3309.1	1906.4	1268.0	1119.4	1000.4
-25°	14705.3	12601.9	10145.4	7830.2	5622.2	3744.4	2317.2	1538.4	1170.1	1027.3	921.0
-27.5°	11728.2	9957.3	8272.4	6196.0	4237.7	2684.8	1704.2	1224.2	1090.7	964.4	842.8
-30°	9046.4	7679.7	6211.6	4545.7	3018.1	1864.2	1299.6	1138.5	1020.6	904.1	787.8
-32.5°	6738.0	5555.6	4252.8	3048.6	1984.5	1400.4	1185.3	1058.1	952.2	845.2	751.8
-35°	4659.3	3672.6	2644.1	1938.0	1400.8	1230.5	1113.9	999.8	886.6	790.7	717.6
-37.5°	2891.7	2179.6	1745.7	1356.7	1255.8	1155.4	1053.0	937.3	825.9	749.9	686.4
-40°	1834.2	1458.4	1349.9	1256.5	1173.5	1092.3	977.4	865.2	785.4	710.7	655.9
-42.5°	1407.6	1322.5	1245.9	1173.9	1092.6	991.5	894.4	818.3	745.6	680.9	634.3
-45°	1280.9	1217.6	1153.8	1069.6	977.4	903.9	840.1	771.9	707.2	658.1	615.6
-47.5°	1158.4	1091.8	1020.9	958.6	895.2	835.6	781.4	725.2	679.4	634.6	574.6
-50°	1017.9	968.2	917.9	868.8	819.5	769.2	729.1	694.1	644.2	586.2	523.3
-52.5°	902.3	865.5	826.7	786.7	753.7	720.7	686.9	639.8	588.0	522.1	452.9
-55°	803.8	779.6	755.2	730.0	700.6	658.4	615.8	566.4	507.1	442.7	381.6
-57.5°	736.8	715.4	684.8	652.2	617.7	570.7	519.1	468.1	421.0	365.8	309.9
-60°	646.1	622.3	585.3	544.5	500.3	455.2	416.6	376.6	335.2	289.3	241.9
-62.5°	524.5	492.9	460.4	427.5	391.8	355.0	321.9	288.5	252.3	213.6	181.2
-65°	408.7	382.5	354.0	325.0	294.7	263.4	234.5	208.0	182.5	155.2	128.3
-67.5°	304.2	279.4	254.4	231.3	210.9	188.2	167.0	144.8	128.9	115.1	100.9
-70°	222.2	204.4	186.5	167.4	149.8	134.9	122.8	111.3	99.1	85.0	70.9
-72.5°	158.4	146.3	134.5	122.7	111.6	99.7	87.3	74.9	62.6	50.5	41.7
-75°	100.4	92.4	83.3	73.9	64.1	54.0	47.8	43.6	39.4	35.3	31.3
-77.5°	60.0	55.0	50.2	46.3	42.2	38.0	34.0	31.0	28.9	26.9	25.0
-80°	43.0	39.6	36.3	33.6	31.0	28.5	26.3	24.7	23.2	21.9	20.5
-82.5°	30.0	27.9	25.9	24.2	22.6	20.9	19.2	18.4	17.5	16.8	16.0
-85°	22.1	20.3	18.4	17.2	16.0	14.8	13.7	13.5	13.2	13.0	12.7
-87.5°	16.3	14.7	13.1	12.5	11.8	11.2	10.5	10.4	10.4	10.3	10.3
-90°	5.5	6.1	6.6	6.6	6.6	6.6	6.6	7.1	7.7	8.2	8.7



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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	9.3	9.8	10.4	10.9	10.3	9.8	9.3
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	9.5	9.7
82.5°	8.7	8.7	8.7	8.7	9.1	9.3	9.3	9.3	9.5	9.9	10.2
80°	8.7	8.7	8.7	8.8	9.3	9.9	10.2	10.2	10.1	10.2	10.5
77.5°	8.7	8.7	8.7	8.8	9.4	9.9	10.5	10.9	10.7	10.6	10.7
75°	8.8	8.7	8.7	8.9	9.4	10.0	10.5	10.9	10.9	10.9	10.8
72.5°	10.2	9.7	9.2	9.0	9.5	10.1	10.6	10.9	10.9	10.9	10.9
70°	12.1	11.1	10.5	10.0	9.9	10.1	10.7	10.9	10.9	10.9	10.9
67.5°	14.2	12.9	11.8	11.0	10.6	10.5	10.8	10.9	10.9	10.9	10.9
65°	19.0	15.8	13.0	11.9	11.2	10.8	10.9	10.9	10.9	10.9	10.9
62.5°	24.2	19.8	16.3	13.3	11.6	11.1	10.9	10.9	10.9	10.9	10.9
60°	29.7	23.8	19.6	16.1	13.0	11.2	10.9	10.9	10.9	10.9	10.9
57.5°	34.9	27.1	22.3	18.6	15.3	12.2	10.9	10.9	10.9	10.9	10.9
55°	38.0	29.9	24.7	20.4	17.0	13.9	11.5	10.9	10.9	10.9	10.9
52.5°	36.3	31.2	26.5	21.7	18.0	15.4	12.9	10.9	10.9	10.9	10.9
50°	31.7	30.6	27.3	22.7	18.6	16.1	14.2	11.9	10.9	10.9	11.0
47.5°	28.7	29.3	27.3	23.1	18.8	16.8	15.0	12.9	10.9	10.9	11.2
45°	25.3	27.7	27.0	23.6	19.4	17.5	15.6	13.7	11.6	11.0	11.4
42.5°	22.8	26.3	26.5	24.3	21.0	18.1	16.2	14.2	12.2	11.2	11.6
40°	25.9	25.8	26.6	26.0	23.1	18.7	16.7	14.7	12.7	11.5	11.7
37.5°	30.9	28.9	27.4	30.4	26.0	20.8	17.2	15.1	13.5	12.1	11.8
35°	39.1	35.0	34.0	36.7	31.8	23.1	17.6	15.5	14.5	12.7	11.9
32.5°	49.2	46.3	45.6	44.3	39.5	25.5	19.1	17.1	15.7	13.3	12.1
30°	65.5	67.3	59.2	53.5	48.4	32.7	22.1	19.0	17.0	13.9	12.3
27.5°	101.3	94.6	76.1	66.0	57.3	42.0	27.1	21.1	18.6	14.7	12.8
25°	148.7	130.9	102.9	80.1	67.3	65.6	32.8	23.5	20.4	15.9	13.2
22.5°	210.4	175.2	133.9	95.3	102.7	96.4	45.5	28.1	22.2	17.2	13.7
20°	280.9	226.0	176.7	147.2	144.2	127.6	68.0	33.0	24.3	18.5	14.1
17.5°	358.8	312.0	268.1	214.6	188.2	162.2	94.4	38.1	26.3	19.9	14.5
15°	498.0	440.8	367.4	287.8	234.2	199.4	123.7	43.4	28.5	21.3	15.1
12.5°	657.5	576.3	472.2	365.2	281.7	238.6	154.9	48.7	30.7	23.3	16.2
10°	821.4	716.2	580.4	445.4	330.1	279.0	186.9	55.6	35.1	25.8	17.3
7.5°	987.4	857.8	689.8	526.3	379.4	322.1	222.6	66.0	40.1	28.2	18.5
5°	1142.5	982.3	782.0	596.2	431.9	367.3	257.1	76.5	45.0	30.6	19.6
2.5°	1248.3	1076.9	859.3	660.1	483.3	410.9	288.9	86.6	49.9	32.9	20.7
0°	1347.9	1164.4	930.6	718.7	533.0	452.2	316.8	96.1	54.6	35.0	21.8
-2.5°	1366.2	1179.2	940.6	733.6	553.4	468.1	327.4	113.5	66.1	41.2	24.9
-5°	1376.9	1185.0	944.0	743.2	571.3	480.3	333.5	129.6	77.1	47.1	27.7
-7.5°	1323.1	1146.9	926.2	744.5	586.5	488.6	335.4	144.3	87.1	52.5	30.4
-10°	1250.9	1080.0	879.9	717.0	582.0	487.3	333.5	157.2	95.9	57.2	32.8
-12.5°	1175.2	1008.3	832.0	688.0	573.3	478.4	327.4	168.7	103.5	61.1	34.9
-15°	1097.0	932.9	783.8	658.6	564.1	467.9	319.1	178.2	110.9	64.9	36.6
-17.5°	1020.6	854.8	736.6	629.6	555.1	456.2	309.4	185.2	116.4	68.3	38.3
-20°	947.1	795.5	692.6	602.1	546.5	443.8	298.6	189.6	120.1	70.5	40.0



REPORT NUMBER: P701617 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	873.0	754.7	663.7	586.8	534.0	431.1	287.4	191.3	121.7	71.3	41.2
-25°	801.5	715.2	636.8	576.3	515.4	412.5	281.8	190.0	121.1	70.6	41.7
-27.5°	750.5	679.0	610.4	564.6	493.5	395.0	279.1	188.8	119.0	68.2	41.6
-30°	709.4	649.5	593.7	548.3	471.0	369.1	272.6	184.8	116.2	66.7	40.9
-32.5°	680.0	621.8	578.4	522.3	442.0	341.5	256.6	177.6	111.1	65.7	39.9
-35°	655.9	603.0	560.9	496.3	409.1	317.4	235.9	167.3	103.6	63.7	38.3
-37.5°	630.4	588.2	532.7	465.1	374.9	290.6	215.2	150.7	93.8	60.9	36.0
-40°	613.5	566.5	505.6	426.5	341.8	261.2	192.1	134.1	87.5	57.0	32.9
-42.5°	594.4	534.8	465.0	386.2	307.0	233.1	167.4	116.3	80.3	52.6	29.1
-45°	557.4	494.0	417.2	343.0	270.0	202.5	146.4	98.7	71.9	47.4	25.7
-47.5°	513.0	438.9	366.9	297.0	233.2	171.7	124.2	88.2	62.7	41.1	23.6
-50°	450.2	381.2	314.1	252.4	193.1	146.0	103.4	76.8	53.6	33.2	21.0
-52.5°	385.8	321.1	262.9	207.5	160.7	119.0	89.4	64.6	44.0	27.9	18.0
-55°	319.9	264.3	213.1	168.5	128.8	99.3	74.2	53.0	33.8	23.9	15.1
-57.5°	258.6	209.6	169.4	131.9	104.0	81.1	59.6	40.7	27.9	19.7	15.3
-60°	198.7	163.0	127.9	104.9	84.1	63.7	45.1	30.5	23.3	16.3	15.4
-62.5°	148.8	120.2	102.1	83.4	64.8	47.1	31.8	25.4	18.6	16.1	15.4
-65°	112.4	95.9	79.1	62.3	45.9	32.9	26.4	20.3	17.1	15.8	15.1
-67.5°	86.2	70.7	55.7	40.8	32.7	26.7	20.9	17.9	16.3	15.3	14.5
-70°	57.4	44.2	36.7	31.1	25.6	20.9	18.6	16.5	15.3	14.6	13.9
-72.5°	37.2	32.6	27.9	23.3	21.2	19.0	16.8	15.1	14.5	13.9	13.3
-75°	27.3	24.9	22.9	21.1	19.1	17.0	15.3	14.2	13.7	13.2	12.6
-77.5°	23.3	21.7	20.2	18.5	16.6	15.1	14.0	13.3	12.9	12.4	12.0
-80°	19.2	17.8	16.4	14.9	13.9	13.1	12.7	12.4	12.1	11.7	11.3
-82.5°	14.9	13.9	13.1	12.5	12.2	12.0	11.7	11.5	11.2	11.0	10.7
-85°	12.2	11.8	11.5	11.2	11.1	10.9	10.9	10.9	10.8	10.5	10.2
-87.5°	10.2	10.1	10.0	10.0	10.1	10.4	10.6	10.9	10.6	10.2	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: P701617 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.7	9.3	9.8	10.4	10.9	9.8	8.7
87.5°	9.3	9.2	9.1	9.0	8.9	8.8	8.7
85°	9.8	9.7	9.5	9.3	9.1	8.9	8.7
82.5°	10.4	10.1	9.8	9.6	9.3	9.0	8.7
80°	10.9	10.6	10.2	9.8	9.5	9.1	8.7
77.5°	10.9	10.9	10.6	10.1	9.7	9.2	8.7
75°	10.9	10.9	10.9	10.4	9.8	9.3	8.7
72.5°	10.9	10.9	10.9	10.7	10.0	9.4	8.7
70°	10.9	10.9	10.9	10.9	10.2	9.5	8.7
67.5°	10.9	10.9	10.9	10.9	10.4	9.5	8.7
65°	10.9	10.9	10.9	10.9	10.6	9.6	8.7
62.5°	10.9	10.9	10.9	10.9	10.7	9.7	8.7
60°	10.9	10.9	10.9	10.9	10.9	9.8	8.7
57.5°	10.9	10.9	10.9	10.9	10.9	9.9	8.7
55°	10.9	10.9	10.9	10.9	10.9	10.0	8.7
52.5°	10.9	10.9	10.9	10.9	10.9	10.0	8.7
50°	10.9	10.9	10.9	10.9	10.9	10.1	8.7
47.5°	10.9	10.9	10.9	10.9	10.9	10.2	8.7
45°	11.1	10.9	10.9	10.9	10.9	10.3	8.7
42.5°	11.3	10.9	10.9	10.9	10.9	10.3	8.7
40°	11.6	10.9	10.9	10.9	10.9	10.4	8.7
37.5°	11.8	10.9	10.9	10.9	10.9	10.4	8.7
35°	12.1	11.0	10.9	10.9	10.9	10.5	8.7
32.5°	12.4	11.3	10.9	10.9	10.9	10.6	8.7
30°	12.5	11.5	10.9	10.9	10.9	10.6	8.7
27.5°	12.6	11.8	10.9	10.9	10.9	10.7	8.7
25°	12.8	12.0	10.9	10.9	10.9	10.7	8.7
22.5°	12.9	12.3	10.9	10.9	10.9	10.7	8.7
20°	13.0	12.4	10.9	10.9	10.9	10.8	8.7
17.5°	13.2	12.6	10.9	10.9	10.9	10.8	8.7
15°	13.5	12.7	10.9	10.9	10.9	10.8	8.7
12.5°	13.7	12.8	10.9	10.9	10.9	10.8	8.7
10°	14.0	12.9	10.9	10.9	10.9	10.9	8.7
7.5°	14.3	13.0	10.9	10.9	10.9	10.9	8.7
5°	14.7	13.1	10.9	10.9	10.9	10.9	8.7
2.5°	15.0	13.1	10.9	10.9	10.9	10.9	8.7
0°	15.3	13.1	10.9	10.9	10.9	10.9	8.7
-2.5°	16.7	13.3	10.9	10.9	10.9	10.9	8.7
-5°	18.1	13.5	10.9	10.9	10.9	10.9	8.7
-7.5°	19.4	13.7	10.9	10.9	10.9	10.9	8.7
-10°	20.5	13.8	10.9	10.9	10.9	10.9	8.7
-12.5°	21.4	13.9	10.9	10.9	10.9	10.9	8.7
-15°	22.0	13.9	10.9	10.9	10.9	10.8	8.7
-17.5°	22.4	13.9	10.9	10.9	10.9	10.8	8.7
-20°	22.8	13.8	10.9	10.9	10.9	10.8	8.7



REPORT NUMBER: P701617 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-70-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	23.3	13.6	10.9	10.9	10.9	10.8	8.7
-25°	23.4	13.6	10.9	10.9	10.9	10.7	8.7
-27.5°	23.1	13.5	10.9	10.9	10.9	10.7	8.7
-30°	22.2	13.4	10.9	10.9	10.9	10.7	8.7
-32.5°	20.9	13.0	11.1	10.9	10.9	10.6	8.7
-35°	20.1	12.5	11.2	10.9	10.9	10.6	8.7
-37.5°	19.5	12.1	11.4	10.9	10.9	10.6	8.7
-40°	18.5	12.3	11.5	10.9	10.9	10.6	8.7
-42.5°	17.3	12.4	11.7	10.9	10.9	10.5	8.7
-45°	15.7	12.6	11.7	11.0	10.9	10.5	8.7
-47.5°	13.9	12.8	11.8	11.0	10.9	10.4	8.7
-50°	13.8	12.9	11.8	11.1	10.9	10.4	8.7
-52.5°	14.0	13.1	11.8	11.1	10.9	10.4	8.7
-55°	14.1	13.1	11.8	11.1	10.9	10.3	8.7
-57.5°	14.3	13.0	11.8	11.1	10.9	10.3	8.7
-60°	14.4	12.8	11.7	11.1	10.9	10.3	8.7
-62.5°	14.1	12.6	11.6	11.0	10.9	10.2	8.7
-65°	13.8	12.4	11.5	11.0	10.9	10.2	8.7
-67.5°	13.4	12.2	11.4	11.0	10.9	10.2	8.7
-70°	13.0	11.9	11.3	10.9	10.9	10.1	8.7
-72.5°	12.5	11.7	11.1	10.9	10.9	10.1	8.7
-75°	12.0	11.3	10.9	10.8	10.9	10.1	8.7
-77.5°	11.5	11.0	10.8	10.7	10.9	10.0	8.7
-80°	11.0	10.7	10.6	10.6	10.9	10.0	8.7
-82.5°	10.4	10.3	10.4	10.6	10.9	9.9	8.7
-85°	9.8	10.0	10.2	10.5	10.9	9.9	8.7
-87.5°	9.3	9.6	10.0	10.4	10.9	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

