

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: P701700 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-1S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701700 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-70-1S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 1S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

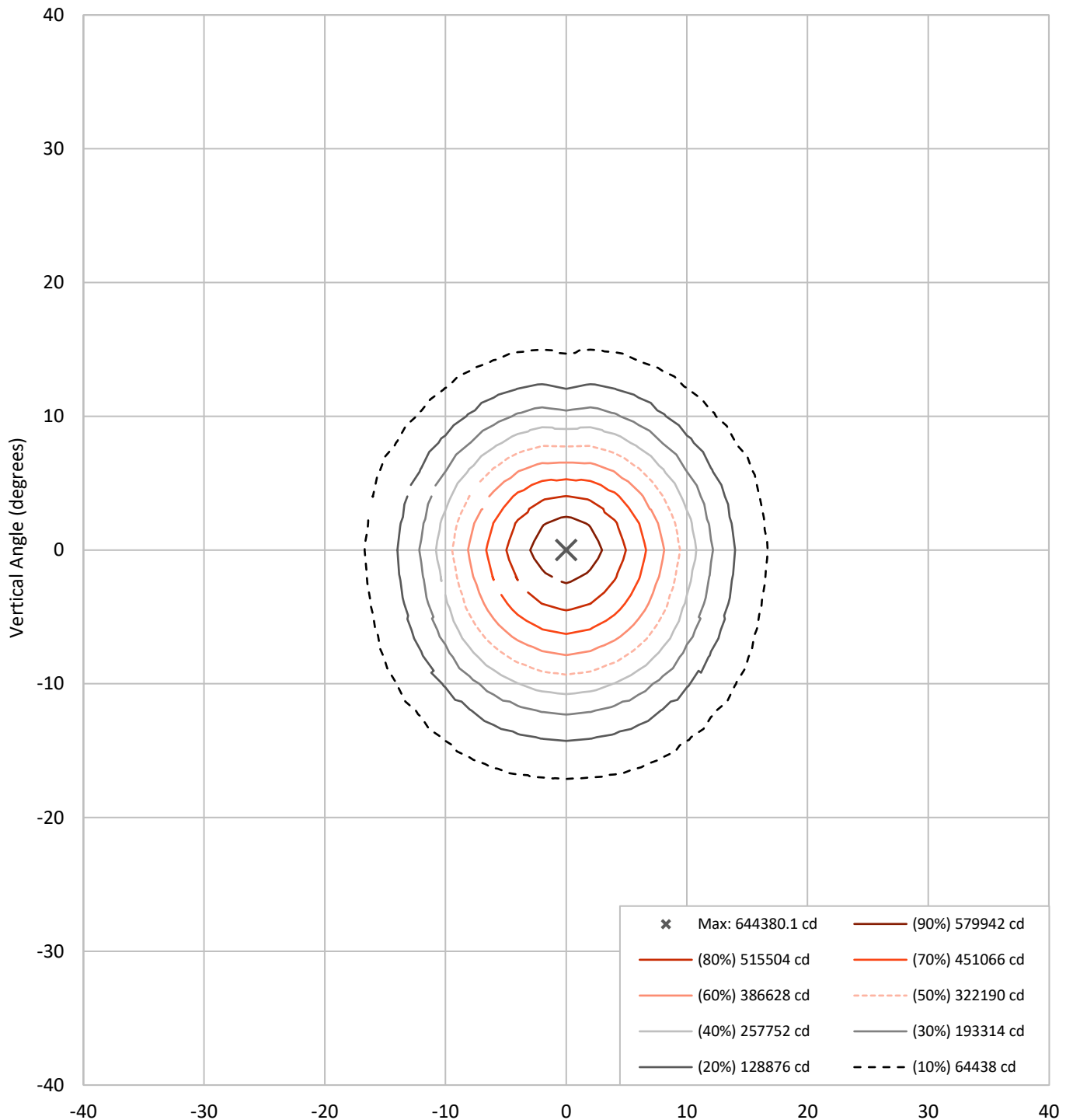
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	74291.5 lumens	Max Intensity:	644380.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	102.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 17.1°V	Field Angle (10%):	33.2°H x 31.5°V
Beam Lumens:	34220.4 lumens	Field Lumens:	62902.3 lumens
Beam Efficiency:	46.1%	Field Efficiency:	84.7%

Input Watts (W): 724.6
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





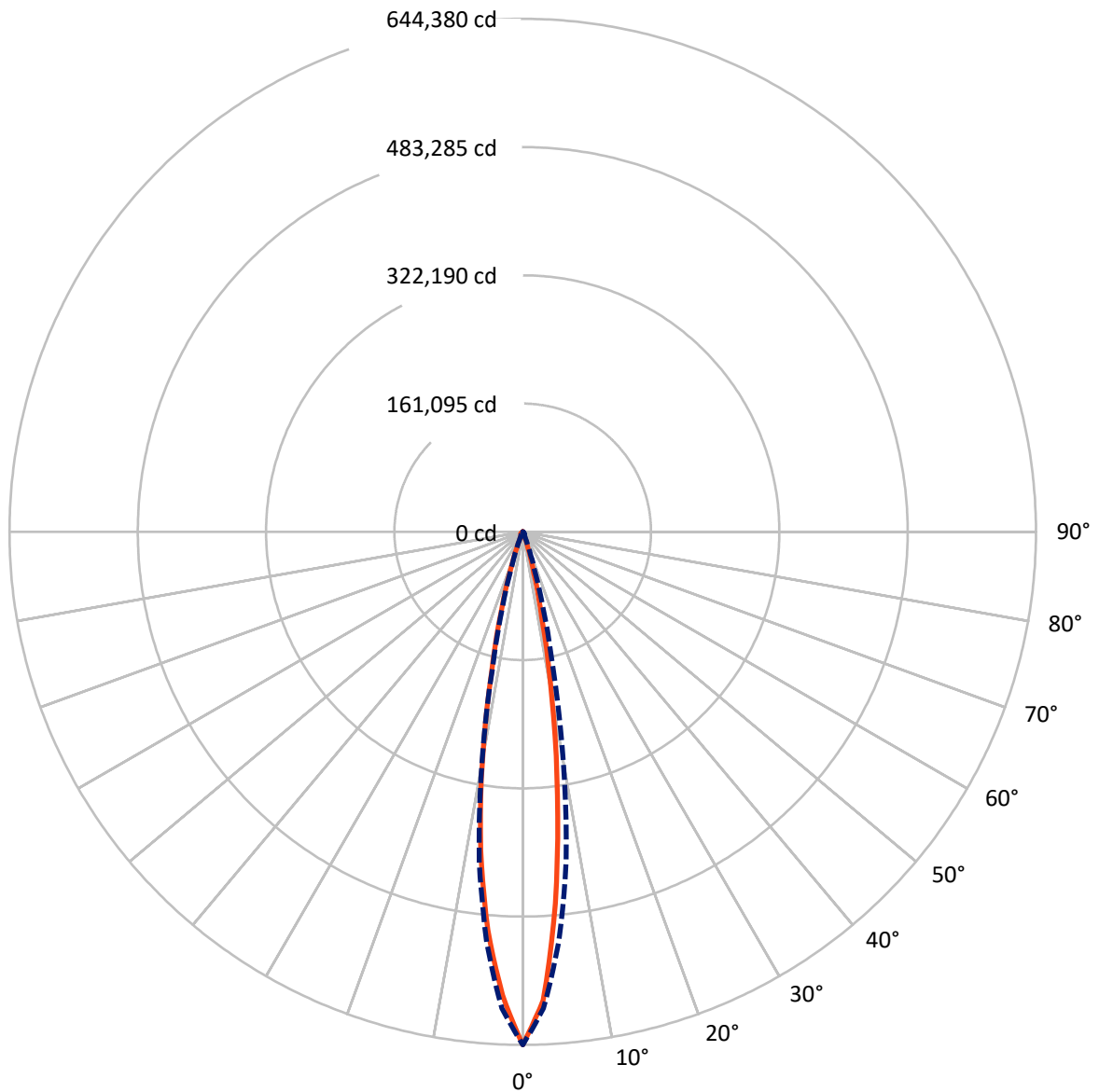
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Lumen Table

90		0.2		0.4		0.6		0.5		0.6		0.5		0.6		0.4		0.2	
80		0.2		0.4		0.6		0.5		0.6		0.5		0.6		0.4		0.2	
70		0.2	0.1	0.2	0.5	0.7	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.7	0.5	0.2	0.1	0.2	
60			0.1	0.3	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.3	0.1		
50		0.2	0.2	0.4	0.5	0.6	0.8	1.1	1.3	1.3	1.1	0.8	0.6	0.5	0.4	0.2	0.2		
40			0.2	0.8	1.6	3.6	5.6	6.0	6.9	6.9	6.0	5.6	3.6	1.6	0.8	0.2			
30		0.2	0.4	2.6	9.0	24.0	29.2	38.6	71.9	71.9	38.6	29.2	24.0	9.0	2.6	0.4	0.2		
20			0.9	5.8	23.4	51.1	71.8	490.6	1972.8	1972.8	490.6	71.8	51.1	23.4	5.8	0.9			
10		0.3	1.7	9.9	45.2	77.2	178.9	2563.3	11062.2	11062.2	2563.3	178.9	77.2	45.2	9.9	1.7	0.3		
0			2.8	13.0	53.3	89.2	177.6	2780.9	11839.6	11839.6	2780.9	177.6	89.2	53.3	13.0	2.8			
-10		0.5	3.2	13.4	50.1	95.0	111.6	806.6	3054.4	3054.4	806.6	111.6	95.0	50.1	13.4	3.2	0.5		
-20			3.0	11.7	27.7	72.4	89.8	109.5	202.6	202.6	109.5	89.8	72.4	27.7	11.7	3.0			
-30		0.4	2.5	8.8	16.3	40.3	76.5	91.5	94.9	94.9	91.5	76.5	40.3	16.3	8.8	2.5	0.4		
-40			1.7	6.1	12.8	20.6	37.4	68.4	94.4	94.4	68.4	37.4	20.6	12.8	6.1	1.7			
-50		0.3	0.8	3.4	8.6	15.8	22.5	28.0	31.3	31.3	28.0	22.5	15.8	8.6	3.4	0.8	0.3		
-60			0.3	1.2	4.0	8.4	13.7	19.2	22.7	22.7	19.2	13.7	8.4	4.0	1.2	0.3			
-70		0.2		1.0		3.0		7.5		11.0		7.5		3.0		1.0		0.2	
-80		0.2		1.0		3.0		7.5		11.0		7.5		3.0		1.0		0.2	
-90		0.2		1.0		3.0		7.5		11.0		7.5		3.0		1.0		0.2	

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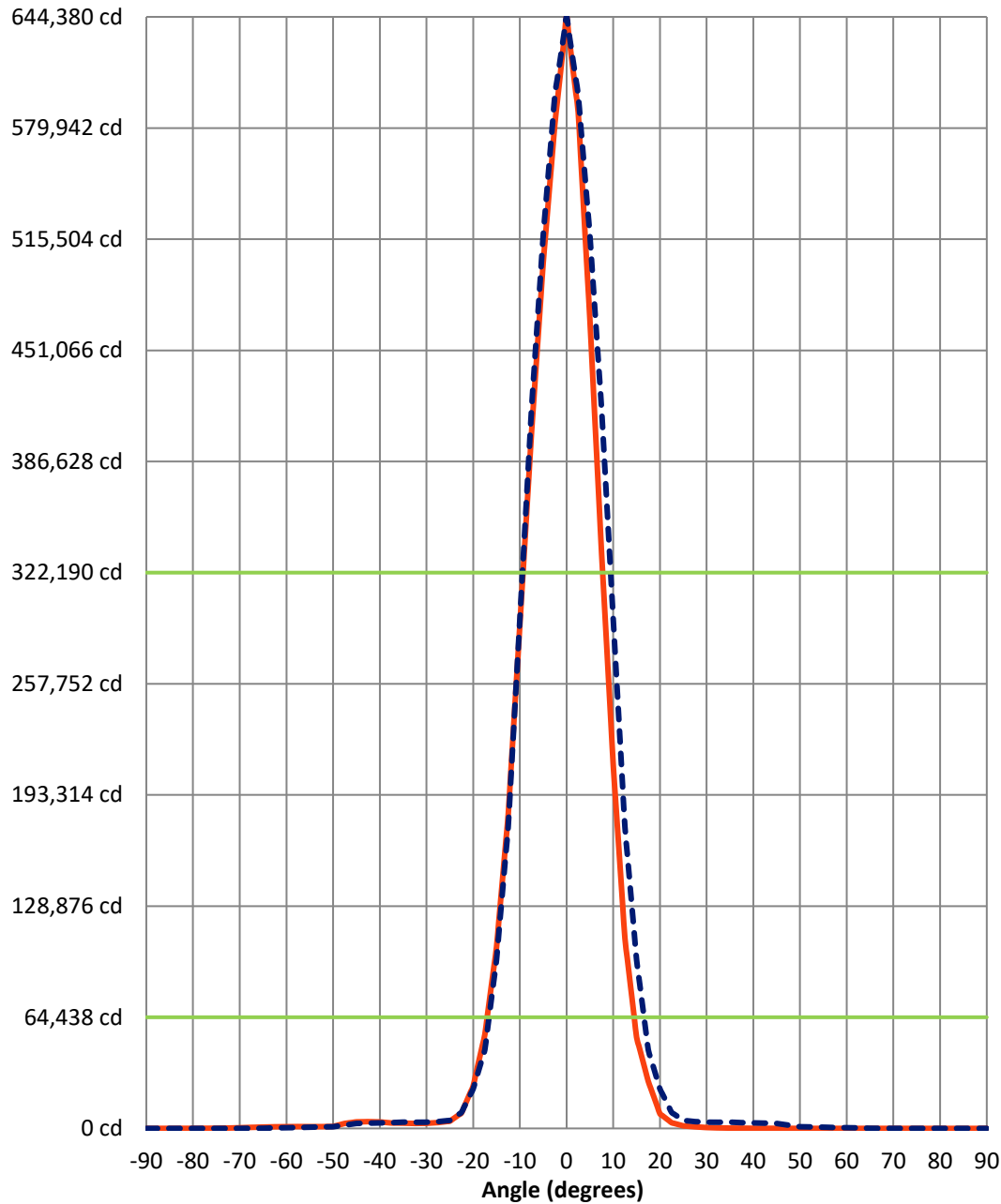
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 18.9°
 V Angle: 17.1°
 Lumens: 34220.4
 Efficiency: 46.1%

Field:
 H Angle: 33.2°
 V Angle: 31.5°
 Lumens: 62902.3
 Efficiency: 84.7%

Spill:
 Lumens: 11389.2
 Efficiency: 15.3%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.3	8.7	9.1	9.5
87.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.5	7.1	6.7	6.3
85°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.5	7.1	6.7	6.3
82.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.5	7.1	6.9	6.7
80°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.6	7.4	7.4	7.4
77.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.7	7.7	7.8	7.9
75°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.8	7.9	7.9	7.9
72.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
70°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.0
67.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.1	8.1
65°	7.9	7.9	7.9	7.9	7.9	8.0	8.0	7.9	8.2	8.4	8.2
62.5°	7.9	7.9	7.9	7.9	7.9	8.1	8.1	8.2	8.6	8.7	8.3
60°	7.9	7.9	7.9	7.9	7.9	8.2	8.2	8.6	9.0	8.7	8.4
57.5°	7.9	7.9	7.9	7.9	8.0	8.4	8.5	9.1	9.2	8.8	8.5
55°	7.9	7.9	7.9	7.9	8.2	8.5	8.8	9.5	9.2	8.9	8.6
52.5°	7.9	7.9	7.9	7.9	8.4	8.7	9.1	9.5	9.3	9.0	8.7
50°	7.9	7.9	7.9	7.9	8.6	8.9	9.3	9.5	9.4	9.1	9.7
47.5°	7.9	7.9	7.9	7.9	8.7	9.1	9.5	9.5	9.5	9.2	10.7
45°	7.9	7.9	7.9	8.1	8.9	9.2	9.5	9.5	9.6	9.9	11.5
42.5°	7.9	7.9	7.9	8.2	9.1	9.3	9.5	9.6	9.7	10.4	12.5
40°	7.9	7.9	7.9	8.4	9.3	9.4	9.5	9.7	9.9	10.8	13.4
37.5°	7.9	7.9	7.9	8.5	9.3	9.5	9.5	9.8	10.4	11.5	14.1
35°	7.9	7.9	7.9	8.6	9.4	9.5	9.5	10.0	10.8	12.6	14.5
32.5°	7.9	7.9	7.9	8.7	9.5	9.5	9.5	10.3	11.3	14.0	16.3
30°	7.9	7.9	7.9	8.9	9.5	9.5	9.7	10.5	11.7	15.5	18.4
27.5°	7.9	7.9	7.9	9.0	9.5	9.5	9.9	10.9	12.4	17.2	20.9
25°	7.9	7.9	7.9	9.0	9.5	9.5	10.1	11.2	13.7	19.1	23.6
22.5°	7.9	7.9	7.9	9.1	9.5	9.5	10.3	11.5	15.0	21.2	27.7
20°	7.9	7.9	7.9	9.2	9.5	9.6	10.5	11.8	16.4	23.5	31.7
17.5°	7.9	7.9	7.9	9.3	9.5	9.8	10.8	12.1	17.9	25.8	35.5
15°	7.9	7.9	7.9	9.3	9.5	10.0	11.1	12.5	19.3	28.2	39.1
12.5°	7.9	7.9	7.9	9.4	9.5	10.1	11.4	13.0	20.8	30.6	42.6
10°	7.9	7.9	7.9	9.4	9.5	10.3	11.7	13.6	22.2	33.4	47.6
7.5°	7.9	7.9	7.9	9.5	9.5	10.5	12.0	14.2	23.6	36.3	56.5
5°	7.9	7.9	7.9	9.5	9.5	10.7	12.2	14.8	24.9	39.2	65.8
2.5°	7.9	7.9	7.9	9.5	9.5	10.9	12.5	15.3	26.0	41.9	75.1
0°	7.9	7.9	7.9	9.5	9.5	11.1	12.7	15.8	26.9	44.3	83.9
-2.5°	7.9	7.9	8.0	9.5	9.6	11.3	13.5	19.0	34.0	57.5	106.3
-5°	7.9	7.9	8.0	9.5	9.8	11.4	14.3	22.1	40.7	70.1	127.3
-7.5°	7.9	7.9	8.1	9.5	9.9	11.6	15.0	24.9	46.9	81.8	146.5
-10°	7.9	7.9	8.2	9.4	10.0	11.7	15.7	27.4	52.4	92.2	163.3
-12.5°	7.9	7.9	8.2	9.4	10.1	11.8	16.2	29.4	57.0	101.4	176.5
-15°	7.9	7.9	8.3	9.4	10.2	11.9	16.6	31.0	62.1	111.0	186.8
-17.5°	7.9	7.9	8.3	9.4	10.3	11.9	16.8	33.3	67.8	119.0	194.6
-20°	7.9	7.9	8.4	9.4	10.3	12.0	17.4	36.0	72.1	125.2	199.8



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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.9	7.9	8.4	9.3	10.4	12.0	18.4	37.7	74.9	129.5	202.1
-25°	7.9	7.9	8.5	9.3	10.3	12.3	19.0	38.3	76.1	131.8	201.4
-27.5°	7.9	7.9	8.5	9.3	10.3	12.7	19.2	37.7	75.4	132.3	203.2
-30°	7.9	7.9	8.5	9.3	10.3	12.9	18.8	35.9	74.3	131.4	202.4
-32.5°	7.9	7.9	8.5	9.4	10.3	13.1	17.9	35.1	72.3	128.0	198.8
-35°	7.9	7.9	8.5	9.4	10.4	13.1	17.6	34.0	68.4	122.1	192.3
-37.5°	7.9	7.9	8.5	9.4	10.4	13.1	17.6	32.1	62.7	113.5	175.3
-40°	7.9	7.9	8.4	9.5	10.3	13.1	17.5	29.3	55.1	104.6	157.0
-42.5°	7.9	7.9	8.4	9.5	10.3	13.0	17.2	25.7	49.4	90.9	137.4
-45°	7.9	7.9	8.4	9.6	10.4	12.8	16.8	22.9	44.2	75.8	117.1
-47.5°	7.9	7.9	8.3	9.6	10.4	12.6	16.1	22.1	37.8	59.9	99.2
-50°	7.9	7.9	8.2	9.5	10.4	12.3	15.7	21.1	29.7	50.8	80.3
-52.5°	7.9	7.9	8.2	9.4	10.4	11.9	15.2	19.8	25.9	41.1	61.6
-55°	7.9	7.9	8.1	9.2	10.3	11.7	14.6	18.5	23.9	31.1	50.2
-57.5°	7.9	7.9	8.0	9.1	10.2	11.6	13.9	17.6	21.8	26.9	38.4
-60°	7.9	7.9	7.9	8.9	10.1	11.3	13.2	16.5	19.9	24.5	29.3
-62.5°	7.9	7.9	7.9	8.8	9.9	11.0	12.8	15.4	18.6	22.0	26.5
-65°	7.9	7.9	7.9	8.6	9.6	10.7	12.3	14.4	17.3	20.3	23.6
-67.5°	7.9	7.9	7.9	8.4	9.4	10.4	11.7	13.6	16.0	18.8	21.6
-70°	7.9	7.9	7.9	8.3	9.2	10.1	11.1	12.8	14.9	17.2	19.9
-72.5°	7.9	7.9	7.9	8.2	8.9	9.8	10.7	11.9	13.8	15.8	18.1
-75°	7.9	7.9	7.9	8.2	8.7	9.5	10.3	11.3	12.6	14.4	16.4
-77.5°	7.9	7.9	7.9	8.1	8.6	9.2	9.9	10.8	11.8	13.0	14.5
-80°	7.9	7.9	7.9	8.1	8.4	8.9	9.5	10.2	11.1	12.1	13.1
-82.5°	7.9	7.9	7.9	8.1	8.3	8.7	9.1	9.7	10.3	11.1	11.9
-85°	7.9	7.9	7.9	8.0	8.2	8.4	8.7	9.3	9.8	10.3	10.8
-87.5°	7.9	7.9	7.9	8.0	8.0	8.2	8.3	8.8	9.2	9.7	10.2
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.5	7.1	6.7	6.3



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
87.5°	6.3	6.3	6.3	6.3	5.9	5.5	5.1	4.7	4.7	4.7	4.7
85°	6.3	6.3	6.3	6.3	5.9	5.5	5.1	4.7	4.7	4.7	4.7
82.5°	6.8	6.7	6.6	6.3	5.9	5.5	5.2	4.9	5.0	4.9	4.9
80°	7.4	7.2	6.8	6.4	6.1	6.0	6.0	6.0	5.9	5.6	5.2
77.5°	7.6	7.2	6.8	6.4	6.3	6.5	6.5	6.4	6.0	5.6	5.2
75°	7.6	7.2	7.1	7.1	7.1	7.1	6.9	6.5	6.2	6.0	6.0
72.5°	7.7	7.6	7.6	7.9	7.7	7.3	6.9	6.5	6.9	7.7	8.3
70°	7.8	7.9	7.9	7.9	7.8	7.5	7.9	8.9	10.2	11.9	14.7
67.5°	7.9	7.9	7.9	7.9	7.9	8.4	9.6	15.4	22.4	25.4	26.6
65°	7.9	7.9	7.9	7.9	7.9	12.3	18.8	26.9	35.3	36.9	35.9
62.5°	7.9	7.9	7.9	9.0	12.7	18.7	26.3	35.0	44.9	45.1	39.5
60°	8.0	7.9	9.4	13.1	17.4	23.2	31.8	38.8	46.2	49.4	37.8
57.5°	8.1	9.1	12.4	16.6	21.2	25.7	30.8	37.6	41.1	41.6	30.7
55°	8.8	11.2	15.1	19.8	23.5	23.3	27.1	30.1	31.3	29.6	21.2
52.5°	10.4	13.2	17.7	22.2	23.6	21.9	21.1	23.1	22.3	19.1	15.6
50°	11.8	15.5	20.2	23.9	23.6	20.2	17.0	18.0	17.2	15.0	12.7
47.5°	13.4	17.5	23.1	25.5	22.6	20.3	17.4	16.6	15.7	16.1	14.3
45°	14.9	19.5	25.7	25.1	23.3	22.3	20.1	17.3	20.1	20.6	20.0
42.5°	16.1	21.3	25.6	25.1	26.4	25.8	23.9	25.2	26.7	28.0	28.6
40°	17.3	22.5	26.0	29.7	30.4	30.2	32.8	35.0	35.2	37.5	39.4
37.5°	18.1	23.8	29.2	38.0	35.1	37.9	43.1	47.6	50.2	48.2	53.9
35°	18.5	25.9	39.5	48.8	46.2	48.5	56.6	65.6	74.4	69.3	79.2
32.5°	20.0	28.8	52.7	61.0	69.9	70.4	71.8	96.7	115.6	124.1	128.8
30°	23.5	40.9	67.4	75.2	103.3	109.1	108.2	139.0	173.9	257.2	321.1
27.5°	28.4	55.7	81.0	104.6	144.4	154.8	169.5	204.9	312.2	470.6	649.9
25°	33.2	74.9	95.9	144.3	188.8	209.9	235.3	288.7	505.6	860.7	990.7
22.5°	43.5	96.3	119.9	189.6	237.8	266.7	312.7	443.1	742.8	1288.4	1323.5
20°	60.0	116.3	155.0	232.5	291.2	323.0	390.0	603.3	1006.4	1404.0	1558.7
17.5°	77.4	138.4	193.4	275.8	349.0	394.2	476.7	755.6	1211.8	1553.5	1735.8
15°	95.3	162.2	228.9	323.6	412.3	483.6	648.1	961.4	1354.3	1730.2	1992.4
12.5°	113.2	187.1	261.4	374.6	480.1	572.8	855.3	1301.6	1665.3	1967.6	2314.0
10°	130.7	212.5	291.2	427.3	550.8	661.1	1083.4	1668.0	2026.5	2293.2	2596.7
7.5°	173.3	251.5	324.2	479.9	622.6	747.4	1321.6	2047.5	2354.6	2571.9	2800.5
5°	221.3	303.7	387.8	558.4	700.8	829.9	1553.5	2424.6	2655.9	2813.5	2955.7
2.5°	268.8	353.9	449.8	636.4	778.8	905.9	1749.1	2670.1	2868.4	3018.3	3131.6
0°	313.4	402.1	509.7	709.2	851.7	976.7	1917.1	2878.0	3056.9	3207.2	3343.4
-2.5°	338.4	441.1	554.6	736.9	860.0	981.2	1786.2	2807.1	3074.1	3274.6	3477.9
-5°	357.9	476.9	596.1	760.4	865.8	981.5	1633.0	2684.8	3094.6	3344.0	3592.4
-7.5°	371.9	508.9	634.0	779.5	872.9	985.5	1624.7	2728.1	3218.2	3444.2	3687.8
-10°	377.9	520.9	641.7	783.3	881.4	989.7	1604.5	2708.0	3337.2	3548.4	3767.1
-12.5°	366.1	515.1	639.6	782.1	888.4	989.3	1522.3	2617.4	3456.0	3662.6	3806.1
-15°	352.5	506.7	632.0	775.4	894.3	984.3	1370.0	2452.0	3477.5	3610.0	3751.5
-17.5°	337.9	495.9	618.4	763.3	899.6	974.4	1129.0	2034.3	3119.0	3437.1	3662.0
-20°	323.1	482.7	598.6	745.5	900.2	941.7	1020.5	1632.8	2546.8	3188.3	3484.7



REPORT NUMBER: P701700 (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°	309.0	467.3	576.1	721.5	840.6	892.6	950.2	1260.3	1949.5	2868.2	3171.4
-25°	302.5	443.7	555.5	671.3	779.6	841.2	874.3	959.2	1458.7	2264.0	2823.9
-27.5°	300.2	423.3	524.5	622.8	727.0	785.5	811.3	873.9	1144.8	1681.7	2438.0
-30°	294.2	392.3	492.0	579.0	674.6	731.4	752.5	807.7	900.3	1289.3	1837.9
-32.5°	276.4	360.1	455.9	541.4	624.6	690.0	718.2	768.4	835.1	953.8	1347.4
-35°	254.4	332.7	418.5	502.5	579.0	650.3	699.9	736.2	781.5	841.5	1034.7
-37.5°	234.9	304.0	380.7	462.0	535.6	608.9	679.3	712.4	748.0	793.8	874.7
-40°	213.6	274.1	346.6	420.7	492.8	564.2	632.6	692.2	720.4	767.7	823.3
-42.5°	190.7	248.6	312.8	379.4	448.3	515.7	583.3	646.7	707.8	745.1	789.6
-45°	167.6	221.3	278.8	341.1	402.5	465.8	529.0	594.3	669.7	735.0	767.5
-47.5°	143.0	192.8	246.9	302.0	358.8	415.9	473.5	543.8	619.2	689.8	758.3
-50°	118.5	164.3	214.0	265.9	316.5	367.7	420.2	493.6	566.4	635.3	700.7
-52.5°	96.6	134.4	181.5	230.6	277.0	322.5	376.4	443.4	512.9	580.9	643.1
-55°	73.7	108.1	147.3	193.5	239.9	281.2	333.3	394.4	457.3	522.7	583.7
-57.5°	56.7	82.0	115.7	153.7	198.0	244.0	294.3	345.2	402.4	461.8	515.8
-60°	43.1	60.6	85.5	117.5	152.2	197.7	252.3	302.7	350.8	398.1	448.7
-62.5°	31.0	44.9	61.4	82.8	112.6	147.9	194.0	245.9	301.7	342.7	382.7
-65°	27.8	32.0	43.3	58.6	74.4	103.5	138.2	177.1	224.0	265.7	308.4
-67.5°	24.6	28.5	32.3	38.2	52.2	67.7	84.0	115.0	149.1	178.0	208.1
-70°	22.4	25.0	28.4	31.9	35.5	42.3	56.1	70.5	84.5	100.7	125.1
-72.5°	20.2	22.3	24.8	27.7	30.9	34.4	38.2	42.3	50.5	61.0	71.0
-75°	18.0	19.5	21.4	23.6	26.1	28.8	31.8	35.1	38.0	40.6	43.2
-77.5°	15.7	16.9	18.2	19.6	21.1	23.1	25.3	27.7	29.9	31.9	33.8
-80°	13.6	14.2	15.0	16.0	17.3	18.5	19.8	21.0	22.1	23.5	25.1
-82.5°	12.1	12.3	12.5	12.9	13.7	14.6	15.5	16.5	17.2	17.9	18.6
-85°	10.6	10.3	10.2	10.2	10.9	11.6	12.3	13.0	13.3	13.6	13.9
-87.5°	10.1	9.9	9.7	9.5	9.7	10.0	10.3	10.6	10.7	10.7	10.8
-90°	6.3	6.3	6.3	6.3	5.9	5.5	5.1	4.7	4.7	4.7	4.7



REPORT NUMBER: P701700 (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°	9.5	9.9	10.3	10.7	11.1	11.9	12.6	13.4	14.2	20.1	26.1
87.5°	4.7	4.3	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.6	1.6
85°	4.7	4.3	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.6	1.6
82.5°	4.7	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.6	1.6
80°	4.8	4.4	4.0	3.6	3.3	3.1	3.0	3.0	3.0	2.7	2.4
77.5°	4.9	4.7	4.5	4.3	4.1	3.9	3.8	3.5	3.2	2.8	2.4
75°	6.1	6.2	6.0	5.6	4.9	4.4	4.0	3.7	3.3	3.2	3.1
72.5°	8.7	8.6	8.0	7.8	7.0	6.5	6.4	6.1	5.7	5.8	6.0
70°	16.2	16.5	15.8	14.3	12.1	10.7	10.0	9.1	7.9	7.8	8.3
67.5°	25.6	23.5	21.6	19.4	16.5	14.2	12.9	11.8	10.7	10.4	10.7
65°	32.2	25.5	21.9	19.2	17.2	15.3	13.8	12.3	10.8	9.9	9.8
62.5°	32.2	23.1	18.6	16.4	14.9	13.7	11.7	9.9	8.3	7.3	7.4
60°	27.7	18.9	14.0	12.2	10.7	9.5	8.5	7.6	6.8	6.3	6.4
57.5°	21.1	13.7	9.5	9.3	8.9	8.2	7.8	7.5	6.9	6.3	6.7
55°	14.7	11.4	9.6	9.7	9.9	9.7	9.2	8.4	7.8	7.3	7.6
52.5°	11.7	11.4	11.9	12.1	11.2	10.3	9.4	9.4	9.5	9.8	10.2
50°	12.5	13.0	13.2	12.4	11.9	11.5	11.0	11.5	12.2	12.8	13.3
47.5°	14.5	15.1	15.6	14.1	14.2	15.1	14.5	14.8	17.7	20.0	21.6
45°	19.0	21.3	21.7	21.9	21.7	23.8	25.1	26.3	32.3	34.6	34.5
42.5°	29.2	32.7	34.9	37.2	35.5	41.9	51.1	57.3	55.7	53.5	54.3
40°	44.1	50.6	59.7	64.7	70.1	77.3	79.9	69.2	67.6	76.2	77.0
37.5°	67.1	84.5	103.9	118.8	121.3	118.1	114.3	112.6	115.1	120.8	129.4
35°	110.3	151.4	169.3	178.6	184.4	167.0	160.4	166.7	161.2	177.2	182.7
32.5°	195.5	248.3	263.8	270.8	285.1	267.7	228.8	274.7	257.3	254.8	272.4
30°	309.9	383.7	447.3	451.9	441.7	439.0	461.2	467.3	446.5	446.3	515.9
27.5°	593.5	610.3	722.7	773.5	646.4	656.1	716.7	684.4	759.7	832.3	889.7
25°	939.8	953.8	1150.2	1120.2	985.5	1023.8	1059.4	1052.3	1139.5	1226.9	1326.3
22.5°	1258.2	1315.2	1476.5	1434.8	1374.8	1391.4	1423.9	1488.5	1605.9	1783.4	2246.2
20°	1512.2	1549.2	1627.5	1663.2	1666.7	1699.1	1803.1	1981.1	2346.5	3544.9	4991.6
17.5°	1756.9	1699.6	1793.8	1855.5	1922.2	2041.4	2283.0	3012.1	4774.0	8406.3	11965.9
15°	2112.5	2077.2	2021.7	2106.1	2291.3	2534.9	3099.3	5765.4	11750.6	18561.5	25642.7
12.5°	2499.9	2453.2	2376.7	2447.9	2729.1	3162.9	5815.8	12572.3	22139.8	34350.3	58134.9
10°	2808.7	2787.7	2740.1	2891.2	3258.1	4565.5	9264.5	19895.7	34122.1	62447.0	97071.5
7.5°	2997.7	2988.0	3028.7	3276.2	3776.0	6667.5	15145.1	29948.2	54947.3	94269.9	152394.4
5°	3204.1	3189.2	3254.8	3554.9	4146.2	8015.1	19738.5	38978.5	76208.3	130612.4	215021.9
2.5°	3425.6	3391.6	3459.1	3801.1	4436.1	8314.0	20769.7	41683.1	88829.2	158627.1	271718.7
0°	3648.9	3579.3	3615.7	3957.6	4652.6	9294.0	22906.6	45582.1	97751.2	174835.0	295115.3
-2.5°	3667.2	3549.0	3585.2	3901.3	4566.8	8002.1	19887.9	41989.5	92905.2	162674.3	270257.5
-5°	3698.0	3544.0	3533.8	3810.8	4444.4	7300.6	16872.7	38402.5	82082.6	143151.5	236377.5
-7.5°	3755.3	3573.3	3485.7	3690.7	4250.4	6346.5	13765.6	31968.8	66404.4	116755.5	184312.1
-10°	3849.4	3653.9	3510.6	3600.6	4005.4	5175.9	9108.0	23235.7	50265.1	88027.2	133819.0
-12.5°	3965.5	3875.1	3660.2	3535.8	3758.1	4392.3	7159.1	17360.2	35315.7	55691.1	89096.3
-15°	4019.3	4053.5	3898.2	3650.7	3665.3	4057.7	5007.0	9505.3	22168.4	36972.7	53451.8
-17.5°	3946.1	4107.6	3928.2	3644.1	3529.1	3761.6	4205.7	5854.8	10244.0	19753.0	29417.9
-20°	3732.5	3785.2	3748.5	3578.0	3457.3	3470.0	3689.8	4117.5	4973.7	8086.5	11507.4



REPORT NUMBER: P701700 (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°	3336.4	3370.4	3360.8	3487.0	3351.6	3290.7	3338.5	3504.5	3770.2	4174.1	5306.1
-25°	2999.0	2984.6	3062.6	3273.6	3307.0	3159.8	3121.4	3133.5	3284.6	3463.8	3711.9
-27.5°	2677.0	2774.5	2945.9	3160.1	3253.2	3154.2	3029.8	2948.5	3021.2	3077.6	3189.1
-30°	2407.6	2659.4	2839.2	3034.2	3174.3	3158.6	3037.5	2997.6	2963.2	2923.2	2951.5
-32.5°	1978.7	2520.5	2706.0	2865.4	3035.1	3103.8	3102.8	3086.0	3101.5	3068.9	2996.2
-35°	1537.8	2121.8	2603.4	2692.1	2801.7	2963.7	3087.9	3107.6	3126.2	3125.4	3107.9
-37.5°	1103.2	1646.0	2134.2	2493.1	2622.0	2740.7	2972.3	3096.0	3136.3	3200.4	3223.9
-40°	904.8	1067.5	1555.6	1994.6	2290.7	2650.3	2890.9	3114.8	3345.0	3479.7	3555.9
-42.5°	845.3	912.9	984.4	1322.1	1744.3	2139.2	2516.3	2942.6	3269.7	3523.8	3777.2
-45°	802.3	845.8	893.3	959.7	1026.2	1360.6	1744.9	2130.7	2492.7	2857.6	3207.8
-47.5°	785.3	801.3	834.3	872.2	916.5	975.0	1030.5	1116.4	1415.2	1711.1	2028.4
-50°	758.0	797.9	812.2	826.0	861.7	896.0	922.5	958.9	995.0	1017.6	1047.6
-52.5°	700.5	751.9	795.9	836.1	859.3	879.2	896.8	926.5	954.4	978.7	995.5
-55°	641.0	694.1	744.7	794.3	840.7	885.2	923.7	945.2	966.7	988.4	997.3
-57.5°	571.1	627.0	681.8	733.4	784.0	833.3	877.2	916.7	954.5	989.6	1011.6
-60°	497.9	545.6	600.9	658.1	711.0	759.6	808.1	853.9	896.1	932.0	954.6
-62.5°	426.7	472.1	517.6	569.2	626.5	681.7	725.4	769.8	814.5	853.7	882.1
-65°	349.4	387.4	423.9	462.8	503.7	548.0	594.2	639.7	684.0	721.3	749.2
-67.5°	243.9	280.4	314.1	347.4	378.1	409.3	442.5	476.1	509.7	539.2	564.2
-70°	148.7	170.9	190.4	211.7	237.1	263.2	289.4	313.4	335.3	353.5	368.0
-72.5°	80.5	89.0	98.5	114.2	128.6	144.2	160.2	175.0	188.6	201.1	212.4
-75°	45.9	49.8	56.5	62.6	68.0	74.6	81.8	88.7	95.2	101.7	107.6
-77.5°	35.8	37.7	39.6	41.3	43.0	45.4	48.2	50.9	53.7	58.4	63.5
-80°	26.6	27.9	29.1	30.4	31.6	33.2	34.8	36.3	37.8	39.9	41.9
-82.5°	19.4	20.0	20.5	21.0	21.5	22.5	23.7	24.8	25.9	28.1	30.3
-85°	14.1	14.3	14.5	14.7	14.9	15.5	16.0	16.6	17.1	19.1	21.2
-87.5°	10.8	10.9	11.0	11.1	11.1	11.5	11.9	12.3	12.7	14.8	16.8
-90°	4.7	4.3	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8



REPORT NUMBER: P701700 (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°	32.0	38.0	43.5	49.1	43.5	38.0	32.0	26.1	20.1	14.2	13.4
87.5°	1.6	1.6	0.8	0.0	0.8	1.6	1.6	1.6	1.6	1.6	2.0
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
80°	2.0	1.6	1.6	1.6	1.6	1.6	2.0	2.4	2.7	3.0	3.0
77.5°	2.0	1.6	1.6	1.6	1.6	1.6	2.0	2.4	2.8	3.2	3.5
75°	3.1	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.2	3.3	3.7
72.5°	6.1	6.2	6.3	6.3	6.3	6.2	6.1	6.0	5.8	5.7	6.1
70°	8.8	9.3	10.2	11.1	10.2	9.3	8.8	8.3	7.8	7.9	9.1
67.5°	10.9	11.0	9.6	7.9	9.6	11.0	10.9	10.7	10.4	10.7	11.8
65°	9.6	9.6	8.8	7.9	8.8	9.6	9.6	9.8	9.9	10.8	12.3
62.5°	7.6	7.9	7.9	7.9	7.9	7.9	7.6	7.4	7.3	8.3	9.9
60°	6.4	6.4	6.3	6.3	6.3	6.4	6.4	6.4	6.3	6.8	7.6
57.5°	7.2	7.7	7.9	7.9	7.9	7.7	7.2	6.7	6.3	6.9	7.5
55°	7.8	7.9	8.5	9.5	8.5	7.9	7.8	7.6	7.3	7.8	8.4
52.5°	10.6	10.9	11.1	11.1	11.1	10.9	10.6	10.2	9.8	9.5	9.4
50°	13.7	14.0	14.1	14.2	14.1	14.0	13.7	13.3	12.8	12.2	11.5
47.5°	22.7	23.2	24.0	25.3	24.0	23.2	22.7	21.6	20.0	17.7	14.8
45°	36.1	37.1	38.6	41.2	38.6	37.1	36.1	34.5	34.6	32.3	26.3
42.5°	57.1	58.8	60.5	63.3	60.5	58.8	57.1	54.3	53.5	55.7	57.3
40°	78.8	79.8	80.9	83.9	80.9	79.8	78.8	77.0	76.2	67.6	69.2
37.5°	133.3	127.6	121.7	134.6	121.7	127.6	133.3	129.4	120.8	115.1	112.6
35°	181.7	185.1	190.3	199.5	190.3	185.1	181.7	182.7	177.2	161.2	166.7
32.5°	275.6	290.6	297.5	307.1	297.5	290.6	275.6	272.4	254.8	257.3	274.7
30°	548.5	547.5	503.4	511.3	503.4	547.5	548.5	515.9	446.3	446.5	467.3
27.5°	908.0	919.0	914.2	937.2	914.2	919.0	908.0	889.7	832.3	759.7	684.4
25°	1413.6	1460.8	1451.6	1497.6	1451.6	1460.8	1413.6	1326.3	1226.9	1139.5	1052.3
22.5°	2815.0	3032.8	3029.4	3319.6	3029.4	3032.8	2815.0	2246.2	1783.4	1605.9	1488.5
20°	7518.4	9005.8	8392.8	8505.7	8392.8	9005.8	7518.4	4991.6	3544.9	2346.5	1981.1
17.5°	17337.7	22377.4	24566.1	27301.1	24566.1	22377.4	17337.7	11965.9	8406.3	4774.0	3012.1
15°	39578.7	53006.1	59722.6	52867.2	59722.6	53006.1	39578.7	25642.7	18561.5	11750.6	5765.4
12.5°	82866.1	106441.9	122738.4	110231.9	122738.4	106441.9	82866.1	58134.9	34350.3	22139.8	12572.3
10°	143158.3	186584.6	222474.1	210645.8	222474.1	186584.6	143158.3	97071.5	62447.0	34122.1	19895.7
7.5°	220082.0	290235.6	334021.6	333697.2	334021.6	290235.6	220082.0	152394.4	94269.9	54947.3	29948.2
5°	316631.0	406387.6	462140.6	468863.6	462140.6	406387.6	316631.0	215021.9	130612.4	76208.3	38978.5
2.5°	388118.8	485432.6	561560.0	589018.0	561560.0	485432.6	388118.8	271718.7	158627.1	88829.2	41683.1
0°	417306.2	517630.7	599006.9	644380.1	599006.9	517630.7	417306.2	295115.3	174835.0	97751.2	45582.1
-2.5°	394372.4	487032.5	554150.4	582261.6	554150.4	487032.5	394372.4	270257.5	162674.3	92905.2	41989.5
-5°	344340.2	431604.9	483380.3	501767.1	483380.3	431604.9	344340.2	236377.5	143151.5	82082.6	38402.5
-7.5°	269465.4	342514.1	387209.3	403352.5	387209.3	342514.1	269465.4	184312.1	116755.5	66404.4	31968.8
-10°	186605.6	240904.2	279708.3	291745.0	279708.3	240904.2	186605.6	133819.0	88027.2	50265.1	23235.7
-12.5°	120240.1	152455.8	173954.2	181784.5	173954.2	152455.8	120240.1	89096.3	55691.1	35315.7	17360.2
-15°	73148.6	91086.3	101498.1	105006.3	101498.1	91086.3	73148.6	53451.8	36972.7	22168.4	9505.3
-17.5°	40304.6	48961.7	52144.4	54383.8	52144.4	48961.7	40304.6	29417.9	19753.0	10244.0	5854.8
-20°	18056.4	21814.8	23659.1	24605.2	23659.1	21814.8	18056.4	11507.4	8086.5	4973.7	4117.5



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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°	6962.1	8059.6	8553.9	8960.0	8553.9	8059.6	6962.1	5306.1	4174.1	3770.2	3504.5
-25°	3927.7	4080.0	4149.4	4195.1	4149.4	4080.0	3927.7	3711.9	3463.8	3284.6	3133.5
-27.5°	3268.5	3356.5	3416.9	3406.7	3416.9	3356.5	3268.5	3189.1	3077.6	3021.2	2948.5
-30°	2953.6	2980.7	3003.5	2985.6	3003.5	2980.7	2953.6	2951.5	2923.2	2963.2	2997.6
-32.5°	2945.0	2917.2	2901.3	2897.0	2901.3	2917.2	2945.0	2996.2	3068.9	3101.5	3086.0
-35°	3088.1	3075.5	3067.6	3072.7	3067.6	3075.5	3088.1	3107.9	3125.4	3126.2	3107.6
-37.5°	3226.8	3208.3	3180.3	3158.2	3180.3	3208.3	3226.8	3223.9	3200.4	3136.3	3096.0
-40°	3570.6	3637.2	3721.5	3767.6	3721.5	3637.2	3570.6	3555.9	3479.7	3345.0	3114.8
-42.5°	3852.3	3900.8	3922.7	3921.2	3922.7	3900.8	3852.3	3777.2	3523.8	3269.7	2942.6
-45°	3473.4	3667.6	3772.6	3793.0	3772.6	3667.6	3473.4	3207.8	2857.6	2492.7	2130.7
-47.5°	2370.4	2685.9	2871.0	2895.4	2871.0	2685.9	2370.4	2028.4	1711.1	1415.2	1116.4
-50°	1088.7	1130.9	1146.4	1135.0	1146.4	1130.9	1088.7	1047.6	1017.6	995.0	958.9
-52.5°	1011.5	1027.8	1036.2	1038.5	1036.2	1027.8	1011.5	995.5	978.7	954.4	926.5
-55°	1005.7	1014.7	1020.6	1025.8	1020.6	1014.7	1005.7	997.3	988.4	966.7	945.2
-57.5°	1032.2	1051.2	1060.2	1063.8	1060.2	1051.2	1032.2	1011.6	989.6	954.5	916.7
-60°	975.1	993.7	1000.5	1002.1	1000.5	993.7	975.1	954.6	932.0	896.1	853.9
-62.5°	908.8	933.3	942.5	945.1	942.5	933.3	908.8	882.1	853.7	814.5	769.8
-65°	773.6	794.4	795.9	789.9	795.9	794.4	773.6	749.2	721.3	684.0	639.7
-67.5°	586.7	606.3	607.3	601.6	607.3	606.3	586.7	564.2	539.2	509.7	476.1
-70°	379.8	388.8	390.7	389.4	390.7	388.8	379.8	368.0	353.5	335.3	313.4
-72.5°	222.3	230.7	229.0	224.8	229.0	230.7	222.3	212.4	201.1	188.6	175.0
-75°	112.8	117.4	119.2	120.3	119.2	117.4	112.8	107.6	101.7	95.2	88.7
-77.5°	68.6	73.6	75.0	76.0	75.0	73.6	68.6	63.5	58.4	53.7	50.9
-80°	43.9	45.7	45.9	45.9	45.9	45.7	43.9	41.9	39.9	37.8	36.3
-82.5°	32.5	34.7	35.6	36.4	35.6	34.7	32.5	30.3	28.1	25.9	24.8
-85°	23.2	25.2	26.1	26.9	26.1	25.2	23.2	21.2	19.1	17.1	16.6
-87.5°	18.7	20.7	21.4	22.2	21.4	20.7	18.7	16.8	14.8	12.7	12.3
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	1.6	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°	12.6	11.9	11.1	10.7	10.3	9.9	9.5	9.5	9.5	9.5	9.5
87.5°	2.4	2.8	3.2	3.6	4.0	4.3	4.7	4.7	4.7	4.7	4.7
85°	2.4	2.8	3.2	3.6	4.0	4.3	4.7	4.7	4.7	4.7	4.7
82.5°	2.4	2.8	3.2	3.6	4.0	4.4	4.7	4.9	4.9	5.0	4.9
80°	3.0	3.1	3.3	3.6	4.0	4.4	4.8	5.2	5.6	5.9	6.0
77.5°	3.8	3.9	4.1	4.3	4.5	4.7	4.9	5.2	5.6	6.0	6.4
75°	4.0	4.4	4.9	5.6	6.0	6.2	6.1	6.0	6.0	6.2	6.5
72.5°	6.4	6.5	7.0	7.8	8.0	8.6	8.7	8.3	7.7	6.9	6.5
70°	10.0	10.7	12.1	14.3	15.8	16.5	16.2	14.7	11.9	10.2	8.9
67.5°	12.9	14.2	16.5	19.4	21.6	23.5	25.6	26.6	25.4	22.4	15.4
65°	13.8	15.3	17.2	19.2	21.9	25.5	32.2	35.9	36.9	35.3	26.9
62.5°	11.7	13.7	14.9	16.4	18.6	23.1	32.2	39.5	45.1	44.9	35.0
60°	8.5	9.5	10.7	12.2	14.0	18.9	27.7	37.8	49.4	46.2	38.8
57.5°	7.8	8.2	8.9	9.3	9.5	13.7	21.1	30.7	41.6	41.1	37.6
55°	9.2	9.7	9.9	9.7	9.6	11.4	14.7	21.2	29.6	31.3	30.1
52.5°	9.4	10.3	11.2	12.1	11.9	11.4	11.7	15.6	19.1	22.3	23.1
50°	11.0	11.5	11.9	12.4	13.2	13.0	12.5	12.7	15.0	17.2	18.0
47.5°	14.5	15.1	14.2	14.1	15.6	15.1	14.5	14.3	16.1	15.7	16.6
45°	25.1	23.8	21.7	21.9	21.7	21.3	19.0	20.0	20.6	20.1	17.3
42.5°	51.1	41.9	35.5	37.2	34.9	32.7	29.2	28.6	28.0	26.7	25.2
40°	79.9	77.3	70.1	64.7	59.7	50.6	44.1	39.4	37.5	35.2	35.0
37.5°	114.3	118.1	121.3	118.8	103.9	84.5	67.1	53.9	48.2	50.2	47.6
35°	160.4	167.0	184.4	178.6	169.3	151.4	110.3	79.2	69.3	74.4	65.6
32.5°	228.8	267.7	285.1	270.8	263.8	248.3	195.5	128.8	124.1	115.6	96.7
30°	461.2	439.0	441.7	451.9	447.3	383.7	309.9	321.1	257.2	173.9	139.0
27.5°	716.7	656.1	646.4	773.5	722.7	610.3	593.5	649.9	470.6	312.2	204.9
25°	1059.4	1023.8	985.5	1120.2	1150.2	953.8	939.8	990.7	860.7	505.6	288.7
22.5°	1423.9	1391.4	1374.8	1434.8	1476.5	1315.2	1258.2	1323.5	1288.4	742.8	443.1
20°	1803.1	1699.1	1666.7	1663.2	1627.5	1549.2	1512.2	1558.7	1404.0	1006.4	603.3
17.5°	2283.0	2041.4	1922.2	1855.5	1793.8	1699.6	1756.9	1735.8	1553.5	1211.8	755.6
15°	3099.3	2534.9	2291.3	2106.1	2021.7	2077.2	2112.5	1992.4	1730.2	1354.3	961.4
12.5°	5815.8	3162.9	2729.1	2447.9	2376.7	2453.2	2499.9	2314.0	1967.6	1665.3	1301.6
10°	9264.5	4565.5	3258.1	2891.2	2740.1	2787.7	2808.7	2596.7	2293.2	2026.5	1668.0
7.5°	15145.1	6667.5	3776.0	3276.2	3028.7	2988.0	2997.7	2800.5	2571.9	2354.6	2047.5
5°	19738.5	8015.1	4146.2	3554.9	3254.8	3189.2	3204.1	2955.7	2813.5	2655.9	2424.6
2.5°	20769.7	8314.0	4436.1	3801.1	3459.1	3391.6	3425.6	3131.6	3018.3	2868.4	2670.1
0°	22906.6	9294.0	4652.6	3957.6	3615.7	3579.3	3648.9	3343.4	3207.2	3056.9	2878.0
-2.5°	19887.9	8002.1	4566.8	3901.3	3585.2	3549.0	3667.2	3477.9	3274.6	3074.1	2807.1
-5°	16872.7	7300.6	4444.4	3810.8	3533.8	3544.0	3698.0	3592.4	3344.0	3094.6	2684.8
-7.5°	13765.6	6346.5	4250.4	3690.7	3485.7	3573.3	3755.3	3687.8	3444.2	3218.2	2728.1
-10°	9108.0	5175.9	4005.4	3600.6	3510.6	3653.9	3849.4	3767.1	3548.4	3337.2	2708.0
-12.5°	7159.1	4392.3	3758.1	3535.8	3660.2	3875.1	3965.5	3806.1	3662.6	3456.0	2617.4
-15°	5007.0	4057.7	3665.3	3650.7	3898.2	4053.5	4019.3	3751.5	3610.0	3477.5	2452.0
-17.5°	4205.7	3761.6	3529.1	3644.1	3928.2	4107.6	3946.1	3662.0	3437.1	3119.0	2034.3
-20°	3689.8	3470.0	3457.3	3578.0	3748.5	3785.2	3732.5	3484.7	3188.3	2546.8	1632.8



REPORT NUMBER: P701700 (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°	3338.5	3290.7	3351.6	3487.0	3360.8	3370.4	3336.4	3171.4	2868.2	1949.5	1260.3
-25°	3121.4	3159.8	3307.0	3273.6	3062.6	2984.6	2999.0	2823.9	2264.0	1458.7	959.2
-27.5°	3029.8	3154.2	3253.2	3160.1	2945.9	2774.5	2677.0	2438.0	1681.7	1144.8	873.9
-30°	3037.5	3158.6	3174.3	3034.2	2839.2	2659.4	2407.6	1837.9	1289.3	900.3	807.7
-32.5°	3102.8	3103.8	3035.1	2865.4	2706.0	2520.5	1978.7	1347.4	953.8	835.1	768.4
-35°	3087.9	2963.7	2801.7	2692.1	2603.4	2121.8	1537.8	1034.7	841.5	781.5	736.2
-37.5°	2972.3	2740.7	2622.0	2493.1	2134.2	1646.0	1103.2	874.7	793.8	748.0	712.4
-40°	2890.9	2650.3	2290.7	1994.6	1555.6	1067.5	904.8	823.3	767.7	720.4	692.2
-42.5°	2516.3	2139.2	1744.3	1322.1	984.4	912.9	845.3	789.6	745.1	707.8	646.7
-45°	1744.9	1360.6	1026.2	959.7	893.3	845.8	802.3	767.5	735.0	669.7	594.3
-47.5°	1030.5	975.0	916.5	872.2	834.3	801.3	785.3	758.3	689.8	619.2	543.8
-50°	922.5	896.0	861.7	826.0	812.2	797.9	758.0	700.7	635.3	566.4	493.6
-52.5°	896.8	879.2	859.3	836.1	795.9	751.9	700.5	643.1	580.9	512.9	443.4
-55°	923.7	885.2	840.7	794.3	744.7	694.1	641.0	583.7	522.7	457.3	394.4
-57.5°	877.2	833.3	784.0	733.4	681.8	627.0	571.1	515.8	461.8	402.4	345.2
-60°	808.1	759.6	711.0	658.1	600.9	545.6	497.9	448.7	398.1	350.8	302.7
-62.5°	725.4	681.7	626.5	569.2	517.6	472.1	426.7	382.7	342.7	301.7	245.9
-65°	594.2	548.0	503.7	462.8	423.9	387.4	349.4	308.4	265.7	224.0	177.1
-67.5°	442.5	409.3	378.1	347.4	314.1	280.4	243.9	208.1	178.0	149.1	115.0
-70°	289.4	263.2	237.1	211.7	190.4	170.9	148.7	125.1	100.7	84.5	70.5
-72.5°	160.2	144.2	128.6	114.2	98.5	89.0	80.5	71.0	61.0	50.5	42.3
-75°	81.8	74.6	68.0	62.6	56.5	49.8	45.9	43.2	40.6	38.0	35.1
-77.5°	48.2	45.4	43.0	41.3	39.6	37.7	35.8	33.8	31.9	29.9	27.7
-80°	34.8	33.2	31.6	30.4	29.1	27.9	26.6	25.1	23.5	22.1	21.0
-82.5°	23.7	22.5	21.5	21.0	20.5	20.0	19.4	18.6	17.9	17.2	16.5
-85°	16.0	15.5	14.9	14.7	14.5	14.3	14.1	13.9	13.6	13.3	13.0
-87.5°	11.9	11.5	11.1	11.1	11.0	10.9	10.8	10.8	10.7	10.7	10.6
-90°	2.4	2.8	3.2	3.6	4.0	4.3	4.7	4.7	4.7	4.7	4.7



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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°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.1	8.7	8.3
87.5°	5.1	5.5	5.9	6.3	6.3	6.3	6.3	6.3	6.7	7.1	7.5
85°	5.1	5.5	5.9	6.3	6.3	6.3	6.3	6.3	6.7	7.1	7.5
82.5°	5.2	5.5	5.9	6.3	6.6	6.7	6.8	6.7	6.9	7.1	7.5
80°	6.0	6.0	6.1	6.4	6.8	7.2	7.4	7.4	7.4	7.4	7.6
77.5°	6.5	6.5	6.3	6.4	6.8	7.2	7.6	7.9	7.8	7.7	7.7
75°	6.9	7.1	7.1	7.1	7.1	7.2	7.6	7.9	7.9	7.9	7.8
72.5°	6.9	7.3	7.7	7.9	7.6	7.6	7.7	7.9	7.9	7.9	7.9
70°	7.9	7.5	7.8	7.9	7.9	7.9	7.8	8.0	7.9	7.9	7.9
67.5°	9.6	8.4	7.9	7.9	7.9	7.9	7.9	8.1	8.1	7.9	7.9
65°	18.8	12.3	7.9	7.9	7.9	7.9	7.9	8.2	8.4	8.2	7.9
62.5°	26.3	18.7	12.7	9.0	7.9	7.9	7.9	8.3	8.7	8.6	8.2
60°	31.8	23.2	17.4	13.1	9.4	7.9	8.0	8.4	8.7	9.0	8.6
57.5°	30.8	25.7	21.2	16.6	12.4	9.1	8.1	8.5	8.8	9.2	9.1
55°	27.1	23.3	23.5	19.8	15.1	11.2	8.8	8.6	8.9	9.2	9.5
52.5°	21.1	21.9	23.6	22.2	17.7	13.2	10.4	8.7	9.0	9.3	9.5
50°	17.0	20.2	23.6	23.9	20.2	15.5	11.8	9.7	9.1	9.4	9.5
47.5°	17.4	20.3	22.6	25.5	23.1	17.5	13.4	10.7	9.2	9.5	9.5
45°	20.1	22.3	23.3	25.1	25.7	19.5	14.9	11.5	9.9	9.6	9.5
42.5°	23.9	25.8	26.4	25.1	25.6	21.3	16.1	12.5	10.4	9.7	9.6
40°	32.8	30.2	30.4	29.7	26.0	22.5	17.3	13.4	10.8	9.9	9.7
37.5°	43.1	37.9	35.1	38.0	29.2	23.8	18.1	14.1	11.5	10.4	9.8
35°	56.6	48.5	46.2	48.8	39.5	25.9	18.5	14.5	12.6	10.8	10.0
32.5°	71.8	70.4	69.9	61.0	52.7	28.8	20.0	16.3	14.0	11.3	10.3
30°	108.2	109.1	103.3	75.2	67.4	40.9	23.5	18.4	15.5	11.7	10.5
27.5°	169.5	154.8	144.4	104.6	81.0	55.7	28.4	20.9	17.2	12.4	10.9
25°	235.3	209.9	188.8	144.3	95.9	74.9	33.2	23.6	19.1	13.7	11.2
22.5°	312.7	266.7	237.8	189.6	119.9	96.3	43.5	27.7	21.2	15.0	11.5
20°	390.0	323.0	291.2	232.5	155.0	116.3	60.0	31.7	23.5	16.4	11.8
17.5°	476.7	394.2	349.0	275.8	193.4	138.4	77.4	35.5	25.8	17.9	12.1
15°	648.1	483.6	412.3	323.6	228.9	162.2	95.3	39.1	28.2	19.3	12.5
12.5°	855.3	572.8	480.1	374.6	261.4	187.1	113.2	42.6	30.6	20.8	13.0
10°	1083.4	661.1	550.8	427.3	291.2	212.5	130.7	47.6	33.4	22.2	13.6
7.5°	1321.6	747.4	622.6	479.9	324.2	251.5	173.3	56.5	36.3	23.6	14.2
5°	1553.5	829.9	700.8	558.4	387.8	303.7	221.3	65.8	39.2	24.9	14.8
2.5°	1749.1	905.9	778.8	636.4	449.8	353.9	268.8	75.1	41.9	26.0	15.3
0°	1917.1	976.7	851.7	709.2	509.7	402.1	313.4	83.9	44.3	26.9	15.8
-2.5°	1786.2	981.2	860.0	736.9	554.6	441.1	338.4	106.3	57.5	34.0	19.0
-5°	1633.0	981.5	865.8	760.4	596.1	476.9	357.9	127.3	70.1	40.7	22.1
-7.5°	1624.7	985.5	872.9	779.5	634.0	508.9	371.9	146.5	81.8	46.9	24.9
-10°	1604.5	989.7	881.4	783.3	641.7	520.9	377.9	163.3	92.2	52.4	27.4
-12.5°	1522.3	989.3	888.4	782.1	639.6	515.1	366.1	176.5	101.4	57.0	29.4
-15°	1370.0	984.3	894.3	775.4	632.0	506.7	352.5	186.8	111.0	62.1	31.0
-17.5°	1129.0	974.4	899.6	763.3	618.4	495.9	337.9	194.6	119.0	67.8	33.3
-20°	1020.5	941.7	900.2	745.5	598.6	482.7	323.1	199.8	125.2	72.1	36.0



REPORT NUMBER: P701700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	950.2	892.6	840.6	721.5	576.1	467.3	309.0	202.1	129.5	74.9	37.7
-25°	874.3	841.2	779.6	671.3	555.5	443.7	302.5	201.4	131.8	76.1	38.3
-27.5°	811.3	785.5	727.0	622.8	524.5	423.3	300.2	203.2	132.3	75.4	37.7
-30°	752.5	731.4	674.6	579.0	492.0	392.3	294.2	202.4	131.4	74.3	35.9
-32.5°	718.2	690.0	624.6	541.4	455.9	360.1	276.4	198.8	128.0	72.3	35.1
-35°	699.9	650.3	579.0	502.5	418.5	332.7	254.4	192.3	122.1	68.4	34.0
-37.5°	679.3	608.9	535.6	462.0	380.7	304.0	234.9	175.3	113.5	62.7	32.1
-40°	632.6	564.2	492.8	420.7	346.6	274.1	213.6	157.0	104.6	55.1	29.3
-42.5°	583.3	515.7	448.3	379.4	312.8	248.6	190.7	137.4	90.9	49.4	25.7
-45°	529.0	465.8	402.5	341.1	278.8	221.3	167.6	117.1	75.8	44.2	22.9
-47.5°	473.5	415.9	358.8	302.0	246.9	192.8	143.0	99.2	59.9	37.8	22.1
-50°	420.2	367.7	316.5	265.9	214.0	164.3	118.5	80.3	50.8	29.7	21.1
-52.5°	376.4	322.5	277.0	230.6	181.5	134.4	96.6	61.6	41.1	25.9	19.8
-55°	333.3	281.2	239.9	193.5	147.3	108.1	73.7	50.2	31.1	23.9	18.5
-57.5°	294.3	244.0	198.0	153.7	115.7	82.0	56.7	38.4	26.9	21.8	17.6
-60°	252.3	197.7	152.2	117.5	85.5	60.6	43.1	29.3	24.5	19.9	16.5
-62.5°	194.0	147.9	112.6	82.8	61.4	44.9	31.0	26.5	22.0	18.6	15.4
-65°	138.2	103.5	74.4	58.6	43.3	32.0	27.8	23.6	20.3	17.3	14.4
-67.5°	84.0	67.7	52.2	38.2	32.3	28.5	24.6	21.6	18.8	16.0	13.6
-70°	56.1	42.3	35.5	31.9	28.4	25.0	22.4	19.9	17.2	14.9	12.8
-72.5°	38.2	34.4	30.9	27.7	24.8	22.3	20.2	18.1	15.8	13.8	11.9
-75°	31.8	28.8	26.1	23.6	21.4	19.5	18.0	16.4	14.4	12.6	11.3
-77.5°	25.3	23.1	21.1	19.6	18.2	16.9	15.7	14.5	13.0	11.8	10.8
-80°	19.8	18.5	17.3	16.0	15.0	14.2	13.6	13.1	12.1	11.1	10.2
-82.5°	15.5	14.6	13.7	12.9	12.5	12.3	12.1	11.9	11.1	10.3	9.7
-85°	12.3	11.6	10.9	10.2	10.2	10.3	10.6	10.8	10.3	9.8	9.3
-87.5°	10.3	10.0	9.7	9.5	9.7	9.9	10.1	10.2	9.7	9.2	8.8
-90°	5.1	5.5	5.9	6.3	6.3	6.3	6.3	6.3	6.7	7.1	7.5



REPORT NUMBER: P701700 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
87.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
85°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
82.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
80°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
77.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
75°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
72.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
70°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
67.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9
65°	8.0	8.0	7.9	7.9	7.9	7.9	7.9
62.5°	8.1	8.1	7.9	7.9	7.9	7.9	7.9
60°	8.2	8.2	7.9	7.9	7.9	7.9	7.9
57.5°	8.5	8.4	8.0	7.9	7.9	7.9	7.9
55°	8.8	8.5	8.2	7.9	7.9	7.9	7.9
52.5°	9.1	8.7	8.4	7.9	7.9	7.9	7.9
50°	9.3	8.9	8.6	7.9	7.9	7.9	7.9
47.5°	9.5	9.1	8.7	7.9	7.9	7.9	7.9
45°	9.5	9.2	8.9	8.1	7.9	7.9	7.9
42.5°	9.5	9.3	9.1	8.2	7.9	7.9	7.9
40°	9.5	9.4	9.3	8.4	7.9	7.9	7.9
37.5°	9.5	9.5	9.3	8.5	7.9	7.9	7.9
35°	9.5	9.5	9.4	8.6	7.9	7.9	7.9
32.5°	9.5	9.5	9.5	8.7	7.9	7.9	7.9
30°	9.7	9.5	9.5	8.9	7.9	7.9	7.9
27.5°	9.9	9.5	9.5	9.0	7.9	7.9	7.9
25°	10.1	9.5	9.5	9.0	7.9	7.9	7.9
22.5°	10.3	9.5	9.5	9.1	7.9	7.9	7.9
20°	10.5	9.6	9.5	9.2	7.9	7.9	7.9
17.5°	10.8	9.8	9.5	9.3	7.9	7.9	7.9
15°	11.1	10.0	9.5	9.3	7.9	7.9	7.9
12.5°	11.4	10.1	9.5	9.4	7.9	7.9	7.9
10°	11.7	10.3	9.5	9.4	7.9	7.9	7.9
7.5°	12.0	10.5	9.5	9.5	7.9	7.9	7.9
5°	12.2	10.7	9.5	9.5	7.9	7.9	7.9
2.5°	12.5	10.9	9.5	9.5	7.9	7.9	7.9
0°	12.7	11.1	9.5	9.5	7.9	7.9	7.9
-2.5°	13.5	11.3	9.6	9.5	8.0	7.9	7.9
-5°	14.3	11.4	9.8	9.5	8.0	7.9	7.9
-7.5°	15.0	11.6	9.9	9.5	8.1	7.9	7.9
-10°	15.7	11.7	10.0	9.4	8.2	7.9	7.9
-12.5°	16.2	11.8	10.1	9.4	8.2	7.9	7.9
-15°	16.6	11.9	10.2	9.4	8.3	7.9	7.9
-17.5°	16.8	11.9	10.3	9.4	8.3	7.9	7.9
-20°	17.4	12.0	10.3	9.4	8.4	7.9	7.9



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	18.4	12.0	10.4	9.3	8.4	7.9	7.9
-25°	19.0	12.3	10.3	9.3	8.5	7.9	7.9
-27.5°	19.2	12.7	10.3	9.3	8.5	7.9	7.9
-30°	18.8	12.9	10.3	9.3	8.5	7.9	7.9
-32.5°	17.9	13.1	10.3	9.4	8.5	7.9	7.9
-35°	17.6	13.1	10.4	9.4	8.5	7.9	7.9
-37.5°	17.6	13.1	10.4	9.4	8.5	7.9	7.9
-40°	17.5	13.1	10.3	9.5	8.4	7.9	7.9
-42.5°	17.2	13.0	10.3	9.5	8.4	7.9	7.9
-45°	16.8	12.8	10.4	9.6	8.4	7.9	7.9
-47.5°	16.1	12.6	10.4	9.6	8.3	7.9	7.9
-50°	15.7	12.3	10.4	9.5	8.2	7.9	7.9
-52.5°	15.2	11.9	10.4	9.4	8.2	7.9	7.9
-55°	14.6	11.7	10.3	9.2	8.1	7.9	7.9
-57.5°	13.9	11.6	10.2	9.1	8.0	7.9	7.9
-60°	13.2	11.3	10.1	8.9	7.9	7.9	7.9
-62.5°	12.8	11.0	9.9	8.8	7.9	7.9	7.9
-65°	12.3	10.7	9.6	8.6	7.9	7.9	7.9
-67.5°	11.7	10.4	9.4	8.4	7.9	7.9	7.9
-70°	11.1	10.1	9.2	8.3	7.9	7.9	7.9
-72.5°	10.7	9.8	8.9	8.2	7.9	7.9	7.9
-75°	10.3	9.5	8.7	8.2	7.9	7.9	7.9
-77.5°	9.9	9.2	8.6	8.1	7.9	7.9	7.9
-80°	9.5	8.9	8.4	8.1	7.9	7.9	7.9
-82.5°	9.1	8.7	8.3	8.1	7.9	7.9	7.9
-85°	8.7	8.4	8.2	8.0	7.9	7.9	7.9
-87.5°	8.3	8.2	8.0	8.0	7.9	7.9	7.9
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9

(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

