

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: P701733 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-80-3S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701733 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-80-3S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

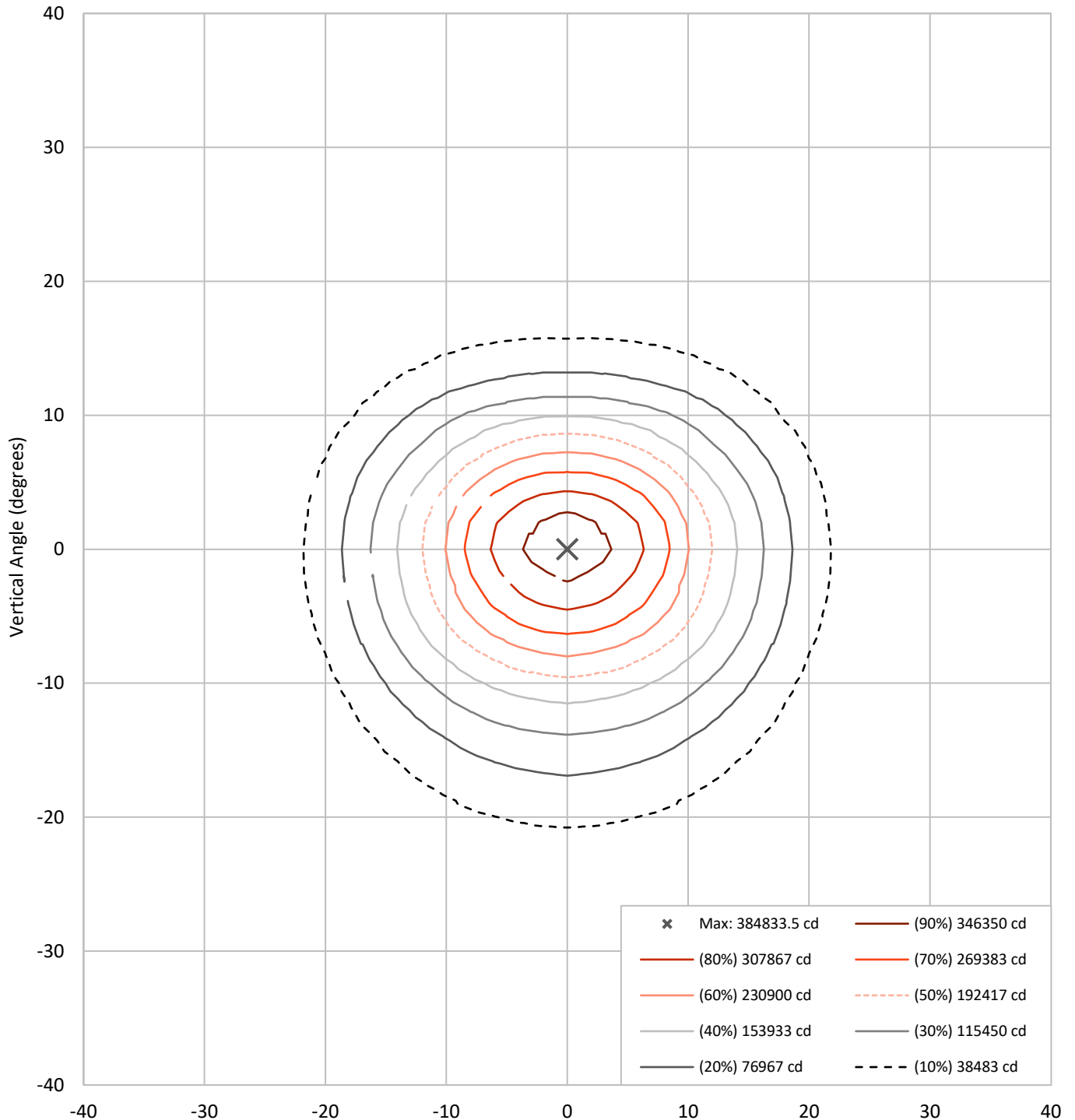
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	64334.6 lumens	Max Intensity:	384833.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	92.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	27520.8 lumens	Field Lumens:	54980.3 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%

Input Watts (W): 697.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





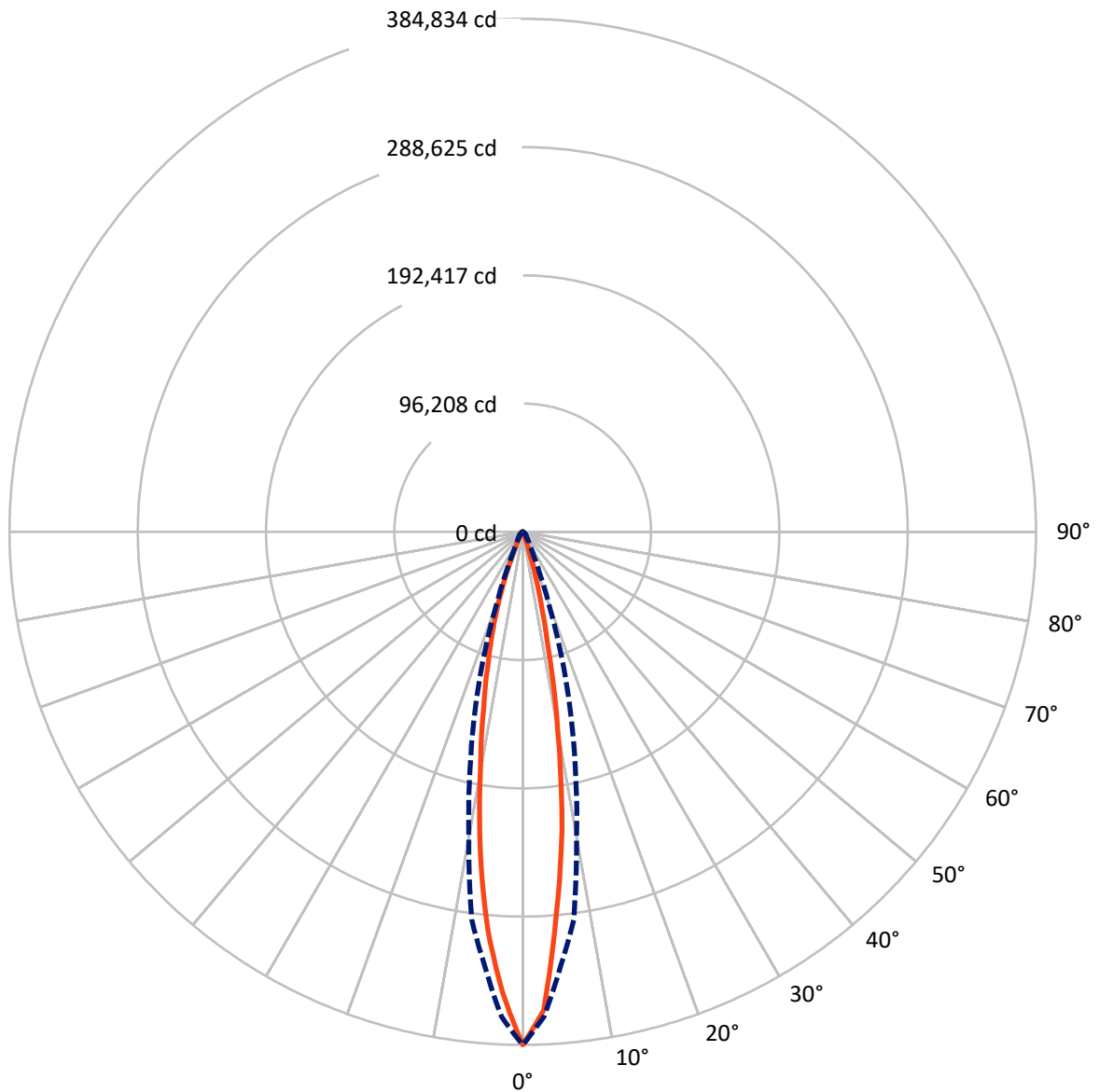
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Lumen Table

90	0.2	0.5	0.8	0.8	1.0	0.8	0.8	0.5	0.2										
80	0.2	0.5	0.8	0.8	1.0	0.8	0.8	0.5	0.2										
70	0.2	0.1	0.2	0.7	0.9	0.5	0.3	0.3	0.3	0.3	0.5	0.9	0.7	0.2	0.1	0.2			
60		0.1	0.4	0.7	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.7	0.4	0.1				
50	0.2	0.2	0.4	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.4	0.2	0.2			
40		0.3	0.7	1.0	1.8	2.5	3.2	4.1	4.1	3.2	2.5	1.8	1.0	0.7	0.3				
30	0.3	0.5	1.8	4.5	8.5	12.9	29.2	58.8	58.8	29.2	12.9	8.5	4.5	1.8	0.5	0.3			
20		1.3	6.6	21.1	46.3	124.3	689.2	1577.0	1577.0	689.2	124.3	46.3	21.1	6.6	1.3				
10	0.4	2.3	13.9	50.0	116.7	513.1	3218.4	7512.3	7512.3	3218.4	513.1	116.7	50.0	13.9	2.3	0.4			
0		3.1	16.6	58.6	130.9	546.9	3432.6	7737.5	7737.5	3432.6	546.9	130.9	58.6	16.6	3.1				
-10	0.7	3.3	14.2	44.4	92.9	235.7	1246.3	2804.8	2804.8	1246.3	235.7	92.9	44.4	14.2	3.3	0.7			
-20		3.2	11.5	27.9	65.6	111.2	241.3	485.3	485.3	241.3	111.2	65.6	27.9	11.5	3.2				
-30	0.5	2.9	9.2	19.4	42.5	76.7	104.2	121.6	121.6	104.2	76.7	42.5	19.4	9.2	2.9	0.5			
-40		2.0	6.8	14.8	26.4	43.0	65.9	82.9	82.9	65.9	43.0	26.4	14.8	6.8	2.0				
-50	0.3	1.0	4.1	9.4	16.7	24.6	31.2	35.1	35.1	31.2	24.6	16.7	9.4	4.1	1.0	0.3			
-60		0.4	1.4	4.0	7.6	11.6	15.6	18.0	18.0	15.6	11.6	7.6	4.0	1.4	0.4				
-70																			
-80	0.2	0.9	3.1	8.3	12.8	8.3	3.1	0.9	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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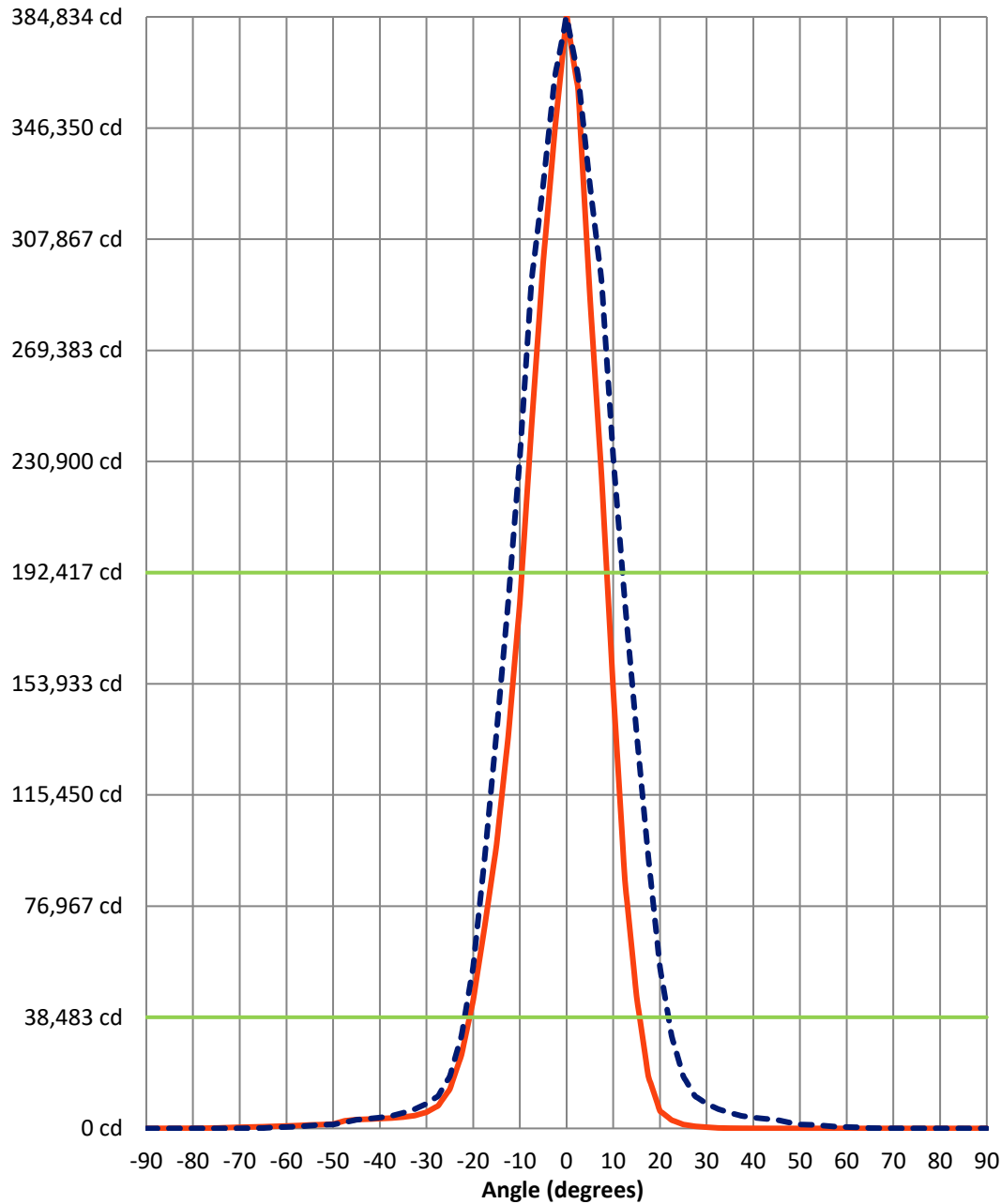
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24°
 V Angle: 18.2°
 Lumens: 27520.8
 Efficiency: 42.8%

Field:
 H Angle: 43.7°
 V Angle: 36.4°
 Lumens: 54980.3
 Efficiency: 85.5%

Spill:
 Lumens: 9354.3
 Efficiency: 14.5%

— 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°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
85°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
75°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
72.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
70°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.8
67.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.1	8.1	8.9	9.6
65°	8.1	8.1	8.1	8.1	8.1	8.2	8.2	8.1	8.8	9.6	10.0
62.5°	8.1	8.1	8.1	8.1	8.1	8.3	8.4	8.5	9.4	10.1	9.4
60°	8.1	8.1	8.1	8.1	8.1	8.5	8.5	9.1	10.1	9.8	8.9
57.5°	8.1	8.1	8.1	8.1	8.3	8.7	8.9	9.6	10.1	9.5	8.8
55°	8.1	8.1	8.2	8.1	8.5	8.9	9.3	10.1	10.0	9.4	9.0
52.5°	8.1	8.1	8.2	8.1	8.7	9.2	9.7	10.2	10.0	9.5	9.1
50°	8.1	8.1	8.2	8.1	9.0	9.4	10.0	10.3	10.1	9.7	11.0
47.5°	8.1	8.1	8.3	8.1	9.2	9.6	10.2	10.5	10.2	9.8	12.7
45°	8.1	8.1	8.4	8.3	9.5	9.8	10.4	10.6	10.4	10.8	14.0
42.5°	8.1	8.1	8.4	8.5	9.7	10.0	10.6	10.9	10.6	11.5	15.3
40°	8.1	8.1	8.5	8.8	9.9	10.1	10.8	11.1	11.1	11.9	16.6
37.5°	8.1	8.1	8.6	9.0	10.0	10.2	11.0	11.5	12.0	13.2	17.8
35°	8.1	8.1	8.7	9.2	10.1	10.3	11.3	11.8	12.8	15.3	18.5
32.5°	8.1	8.1	8.8	9.4	10.1	10.5	11.6	12.2	13.8	17.5	20.3
30°	8.1	8.1	8.9	9.6	10.2	10.8	11.9	12.7	14.7	19.7	22.5
27.5°	8.1	8.1	9.0	9.7	10.2	11.0	12.3	13.5	16.1	22.1	25.1
25°	8.1	8.1	9.1	9.8	10.2	11.2	12.6	14.3	17.9	24.3	28.3
22.5°	8.1	8.1	9.2	9.9	10.2	11.4	13.0	15.1	19.8	26.7	34.1
20°	8.1	8.1	9.3	10.0	10.2	11.6	13.4	15.9	21.7	29.3	40.5
17.5°	8.1	8.1	9.4	10.1	10.2	11.7	13.6	16.7	23.5	32.0	47.4
15°	8.1	8.1	9.5	10.1	10.2	11.9	13.8	17.6	25.3	34.8	54.6
12.5°	8.1	8.1	9.7	10.2	10.2	12.0	13.9	18.7	27.3	37.7	62.0
10°	8.1	8.1	9.8	10.2	10.2	12.0	14.0	19.9	29.4	42.5	71.1
7.5°	8.1	8.1	9.9	10.2	10.2	12.1	14.1	21.1	31.4	47.7	83.7
5°	8.1	8.1	10.0	10.2	10.2	12.2	14.2	22.3	33.3	53.0	96.3
2.5°	8.1	8.1	10.1	10.2	10.2	12.2	14.2	23.4	35.0	58.2	108.5
0°	8.1	8.1	10.2	10.2	10.2	12.2	14.2	24.4	36.6	63.0	119.9
-2.5°	8.1	8.1	10.2	10.2	10.4	12.6	16.1	29.1	46.5	77.5	137.3
-5°	8.1	8.1	10.2	10.2	10.5	13.1	17.9	33.6	55.9	91.2	153.4
-7.5°	8.1	8.1	10.2	10.2	10.7	13.4	19.6	37.7	64.6	104.1	168.1
-10°	8.1	8.1	10.1	10.2	10.9	13.8	21.1	41.3	72.5	115.8	181.2
-12.5°	8.1	8.1	10.1	10.2	11.0	14.1	22.4	44.3	79.3	126.3	193.2
-15°	8.1	8.1	10.1	10.2	11.1	14.3	23.4	46.6	85.5	135.8	203.6
-17.5°	8.1	8.1	10.0	10.2	11.2	14.5	24.1	49.2	91.4	144.1	211.9
-20°	8.1	8.1	9.9	10.2	11.2	14.6	24.8	51.7	95.7	150.8	218.0



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 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.1	8.1	9.9	10.2	11.3	14.6	25.6	53.0	98.5	156.1	221.9
-25°	8.1	8.1	9.8	10.2	11.3	14.8	25.7	53.2	99.6	159.7	223.4
-27.5°	8.1	8.1	9.7	10.2	11.2	14.9	25.2	52.0	98.9	161.3	226.5
-30°	8.1	8.1	9.6	10.2	11.1	14.9	23.9	49.4	97.2	160.2	227.6
-32.5°	8.1	8.1	9.5	10.2	11.2	14.7	21.8	47.5	94.1	156.5	226.6
-35°	8.1	8.1	9.4	10.2	11.1	14.5	20.9	45.1	89.0	150.4	223.4
-37.5°	8.1	8.1	9.3	10.2	11.1	14.2	20.6	41.5	81.9	141.6	208.4
-40°	8.1	8.1	9.2	10.2	10.9	14.1	20.1	36.7	72.8	131.4	189.9
-42.5°	8.1	8.1	9.1	10.2	10.9	13.9	19.4	30.8	64.7	115.4	169.6
-45°	8.1	8.1	9.0	10.2	10.9	13.6	18.5	26.3	56.5	97.5	147.7
-47.5°	8.1	8.1	8.8	10.2	10.9	13.3	17.4	25.0	46.6	78.5	126.2
-50°	8.1	8.1	8.7	10.1	10.8	12.8	16.7	23.4	34.5	64.8	103.2
-52.5°	8.1	8.1	8.6	9.9	10.7	12.3	16.0	21.6	29.0	50.4	79.8
-55°	8.1	8.1	8.4	9.7	10.6	12.0	15.2	19.7	26.3	35.5	62.9
-57.5°	8.1	8.1	8.3	9.5	10.4	11.7	14.3	18.5	23.5	29.6	45.4
-60°	8.1	8.1	8.1	9.3	10.2	11.3	13.3	17.1	20.9	26.4	32.1
-62.5°	8.1	8.1	8.1	9.1	10.0	10.9	12.7	15.6	19.3	23.1	28.4
-65°	8.1	8.1	8.1	8.9	9.8	10.5	12.0	14.3	17.5	20.9	24.7
-67.5°	8.1	8.1	8.1	8.8	9.6	10.1	11.2	13.3	15.7	18.9	22.0
-70°	8.1	8.1	8.1	8.6	9.5	10.0	10.3	12.3	14.5	16.8	19.7
-72.5°	8.1	8.1	8.1	8.5	9.3	9.9	10.2	11.2	13.3	15.4	17.6
-75°	8.1	8.1	8.1	8.5	9.1	9.8	10.2	10.8	12.1	14.0	16.0
-77.5°	8.1	8.1	8.1	8.4	9.0	9.7	10.1	10.6	11.5	12.7	14.4
-80°	8.1	8.1	8.1	8.4	8.8	9.4	10.2	10.4	10.9	11.7	12.8
-82.5°	8.1	8.1	8.1	8.3	8.6	9.1	9.7	10.0	10.2	10.6	11.2
-85°	8.1	8.1	8.1	8.2	8.5	8.8	9.2	9.4	9.5	9.7	9.9
-87.5°	8.1	8.1	8.1	8.2	8.3	8.4	8.6	8.7	8.8	8.9	9.0
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1



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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°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.6	9.2	9.7
87.5°	7.8	7.6	7.4	7.2	7.0	6.7	6.4	6.1	6.1	6.1	6.1
85°	8.1	8.1	8.1	8.1	7.6	7.1	6.6	6.1	6.1	6.1	6.1
82.5°	8.1	8.1	8.1	8.1	7.6	7.1	6.7	6.4	6.4	6.4	6.3
80°	8.1	8.1	8.1	8.1	7.9	7.7	7.7	7.8	7.6	7.2	6.7
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	7.7	7.2	6.7
75°	8.1	8.1	8.2	8.2	8.1	8.1	8.1	8.1	7.9	7.8	7.8
72.5°	8.4	8.7	8.7	8.4	8.1	8.1	8.1	8.1	9.6	11.6	13.2
70°	9.3	9.4	8.8	8.3	8.1	8.6	11.1	14.5	18.1	20.8	24.1
67.5°	9.9	9.0	8.3	8.3	9.8	12.5	16.4	25.1	34.7	38.5	39.6
65°	9.1	8.3	8.6	10.0	12.0	19.2	28.7	40.0	48.2	47.6	45.2
62.5°	8.3	8.4	9.5	12.8	19.3	28.3	36.9	44.8	52.7	50.5	43.4
60°	8.3	8.6	12.4	19.1	26.0	32.5	40.7	45.1	48.7	48.5	38.4
57.5°	8.4	11.0	17.6	24.1	29.6	34.6	37.2	40.3	41.6	41.7	31.2
55°	9.7	15.1	21.6	27.0	31.2	30.5	31.5	31.8	32.0	29.8	21.2
52.5°	12.9	18.6	23.9	28.7	29.7	26.8	23.3	23.5	21.9	18.5	15.3
50°	15.6	20.6	25.8	29.1	27.8	22.2	17.2	17.1	15.6	13.5	11.7
47.5°	17.5	22.6	27.6	29.4	24.7	20.1	15.9	13.9	12.4	12.0	10.7
45°	19.2	24.1	29.3	27.4	23.3	19.9	16.4	12.2	12.7	12.6	13.1
42.5°	20.7	25.1	28.1	26.1	23.8	21.3	18.1	15.6	14.6	16.1	16.7
40°	21.4	25.8	27.2	27.6	25.3	24.0	23.5	21.7	18.8	21.4	22.2
37.5°	21.7	25.7	28.3	31.6	28.6	29.4	30.6	31.0	29.3	28.7	32.2
35°	21.7	26.5	34.1	38.1	35.6	37.4	40.9	42.5	42.6	41.8	47.9
32.5°	22.2	27.9	42.1	45.5	48.2	50.3	52.6	56.4	59.9	63.9	74.0
30°	25.1	35.4	51.3	54.0	63.6	73.6	70.7	72.6	80.6	106.0	128.3
27.5°	31.2	45.6	59.3	67.6	83.1	104.1	110.6	97.7	120.9	160.4	198.1
25°	38.6	73.8	68.0	84.2	113.1	144.6	162.1	160.2	182.8	232.7	277.4
22.5°	54.2	110.7	107.3	102.4	148.1	194.2	224.2	276.3	349.5	349.2	365.4
20°	81.4	146.0	156.8	170.3	199.8	251.3	294.2	432.0	584.7	636.5	580.0
17.5°	113.2	184.8	213.2	259.1	324.5	357.8	382.3	618.2	876.2	978.5	1010.6
15°	148.5	226.6	273.5	358.4	462.8	521.8	625.9	895.5	1200.4	1373.7	1502.6
12.5°	186.3	270.6	336.7	465.7	610.9	689.0	919.9	1310.0	1613.7	1822.9	2150.5
10°	225.1	316.1	401.6	578.4	765.9	858.2	1234.6	1736.9	2054.2	2296.3	2744.6
7.5°	268.0	361.3	466.2	693.3	924.3	1028.1	1559.6	2167.1	2483.5	2753.2	3259.8
5°	309.6	404.7	524.1	791.1	1051.2	1171.4	1852.7	2589.3	2900.5	3193.3	3725.1
2.5°	348.1	446.3	579.7	881.1	1151.9	1271.8	1993.9	2804.1	3143.5	3506.7	4076.6
0°	382.1	485.7	632.1	963.3	1243.8	1367.8	2105.5	2989.6	3341.2	3753.7	4332.9
-2.5°	389.3	501.3	650.7	962.1	1231.5	1365.4	2116.3	2997.7	3409.2	3845.4	4412.2
-5°	391.2	513.9	665.1	952.6	1211.1	1357.5	2094.5	2967.4	3420.4	3823.0	4333.5
-7.5°	388.4	522.9	674.9	933.6	1171.3	1312.4	1971.0	2783.5	3241.6	3592.4	4072.4
-10°	381.4	521.6	663.9	891.2	1107.7	1243.9	1802.0	2571.4	3055.4	3357.3	3775.6
-12.5°	369.2	511.9	646.4	845.6	1043.5	1174.1	1605.1	2336.4	2866.7	3124.5	3462.8
-15°	355.6	500.3	625.7	798.6	980.6	1103.8	1381.6	2082.8	2686.9	2949.4	3200.9
-17.5°	341.3	487.2	602.2	751.5	921.3	1034.0	1140.3	1813.3	2459.5	2770.9	3013.9
-20°	327.3	472.9	576.1	705.7	865.3	979.9	1067.1	1540.3	2139.9	2573.2	2817.0



REPORT NUMBER: P701733 (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°	314.3	457.6	551.3	670.3	816.1	936.9	1025.3	1273.2	1802.7	2358.2	2621.7
-25°	309.6	435.6	531.2	639.2	769.0	893.5	984.6	1046.6	1484.1	2034.0	2435.6
-27.5°	309.7	417.3	511.8	605.8	722.0	847.2	938.2	1002.1	1242.0	1715.3	2225.8
-30°	307.0	395.1	490.5	573.4	680.7	794.0	890.0	978.3	1054.2	1433.1	1883.6
-32.5°	295.3	371.8	464.8	547.9	639.2	742.6	850.7	945.1	1027.5	1150.7	1558.8
-35°	279.7	352.6	436.8	520.7	597.1	696.8	803.1	906.3	993.8	1070.3	1256.4
-37.5°	265.4	330.7	408.0	490.6	565.7	651.2	751.8	855.3	949.3	1040.2	1124.3
-40°	249.1	306.4	380.4	458.2	533.1	607.8	698.7	796.5	895.5	1000.3	1101.7
-42.5°	230.4	286.2	351.1	424.4	495.5	568.6	643.2	735.1	834.8	945.6	1051.3
-45°	205.7	263.9	320.3	386.4	453.7	524.8	596.7	670.7	767.0	869.3	979.9
-47.5°	178.9	238.0	292.9	345.8	409.3	475.5	545.5	618.2	694.2	787.4	886.7
-50°	150.9	206.0	261.7	309.5	362.6	423.7	488.0	560.3	632.7	705.8	790.3
-52.5°	123.7	171.7	223.9	273.5	319.3	370.5	430.1	495.6	564.8	635.0	700.3
-55°	94.8	138.4	183.5	231.9	278.4	321.8	369.9	428.6	490.6	555.8	615.6
-57.5°	71.5	104.4	144.5	186.8	231.7	275.7	317.7	360.2	413.7	471.3	522.5
-60°	51.4	75.3	106.0	143.2	181.6	223.2	265.4	305.1	344.1	381.8	427.7
-62.5°	33.6	52.4	74.0	100.1	134.1	169.2	206.6	244.9	282.9	315.6	345.8
-65°	29.5	33.8	48.5	68.0	87.4	119.0	150.8	181.2	214.6	244.7	273.7
-67.5°	25.3	29.2	33.1	39.9	57.5	77.0	97.6	125.5	151.9	173.5	195.1
-70°	22.4	24.7	28.0	31.4	35.1	43.1	60.3	78.2	95.9	112.5	131.0
-72.5°	19.8	21.9	23.9	26.0	29.2	32.9	36.8	40.8	50.7	64.0	76.7
-75°	17.5	19.0	20.8	22.6	24.6	26.9	29.4	32.7	35.9	38.7	41.2
-77.5°	15.5	16.6	17.9	19.3	20.9	22.6	24.4	26.4	28.5	30.6	32.8
-80°	13.6	14.2	15.0	15.9	17.2	18.6	19.9	21.2	22.4	23.8	25.4
-82.5°	11.7	12.2	12.6	13.1	13.9	14.8	15.9	17.0	17.3	17.7	18.2
-85°	10.0	10.2	10.5	10.8	11.2	11.6	12.1	12.7	12.9	12.9	12.9
-87.5°	9.1	9.1	9.2	9.3	9.4	9.4	9.5	9.6	9.8	10.0	10.1
-90°	7.6	7.1	6.6	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	10.2	10.7	11.2	11.7	12.2	16.8	21.3	25.9	30.5	38.1	45.7
87.5°	6.1	5.6	5.1	4.6	4.1	3.6	3.1	2.5	2.0	2.0	2.0
85°	6.1	5.6	5.1	4.6	4.1	4.0	4.0	4.0	4.0	3.5	3.0
82.5°	6.1	5.6	5.1	4.6	4.1	4.1	4.1	4.1	4.1	3.6	3.1
80°	6.2	5.8	5.6	5.4	5.4	5.2	4.9	4.5	4.1	4.1	4.0
77.5°	6.4	6.4	6.5	6.4	6.2	5.7	5.2	4.7	4.2	4.1	4.1
75°	7.9	8.1	8.3	8.0	7.3	6.8	6.5	6.1	5.8	5.5	5.1
72.5°	14.2	14.4	13.7	13.2	11.9	11.4	11.4	11.3	10.9	10.8	10.6
70°	26.1	26.5	25.5	23.0	19.5	17.1	16.0	14.5	12.8	12.1	12.1
67.5°	37.1	34.0	30.7	27.2	22.8	19.1	16.9	14.9	13.0	12.0	11.5
65°	40.7	33.2	27.7	23.4	20.1	17.2	14.9	12.7	10.5	9.1	8.6
62.5°	35.3	26.4	21.0	17.7	15.4	13.8	11.6	9.6	7.8	6.8	7.1
60°	28.7	19.5	14.5	12.7	11.2	10.2	9.0	7.7	6.7	6.1	6.2
57.5°	21.5	14.2	10.2	9.9	9.4	8.5	7.8	7.2	6.6	6.1	6.1
55°	14.8	11.8	10.2	9.7	9.1	8.5	7.9	7.3	6.7	6.1	6.1
52.5°	11.7	10.7	10.3	9.8	9.2	8.6	8.0	7.4	6.8	6.2	6.1
50°	10.6	10.3	10.4	10.0	9.4	8.8	8.2	7.8	7.7	7.4	7.5
47.5°	11.0	11.2	11.0	10.3	9.8	9.9	10.0	10.0	10.0	9.7	9.5
45°	12.5	12.5	12.4	12.3	11.8	12.9	13.6	13.7	15.9	15.1	12.7
42.5°	15.5	16.2	17.1	18.2	16.8	21.4	28.8	33.8	28.8	22.8	19.2
40°	23.5	24.1	29.2	31.9	37.8	44.5	40.5	33.9	30.2	32.3	33.4
37.5°	37.0	43.2	51.7	61.1	58.8	48.8	49.9	49.8	48.1	52.2	52.4
35°	60.4	75.6	82.8	85.1	80.8	77.7	80.6	83.3	77.1	86.9	90.1
32.5°	98.7	117.3	121.5	117.1	117.6	124.4	129.6	138.8	148.1	162.9	180.6
30°	145.6	165.6	175.1	166.4	168.2	184.5	194.9	216.0	249.7	288.2	336.2
27.5°	215.6	230.5	247.6	250.0	242.0	265.7	302.8	325.1	415.6	475.6	583.6
25°	308.1	331.2	346.3	371.7	385.4	414.0	485.2	553.7	692.9	828.5	1058.4
22.5°	429.6	503.7	531.0	527.1	607.2	684.3	744.9	936.7	1210.9	1612.2	2063.9
20°	590.0	742.3	871.7	913.8	942.3	1145.6	1354.8	1950.1	2632.6	3771.6	4657.1
17.5°	1063.5	1113.5	1397.9	1629.3	1739.4	2170.1	3146.5	4645.1	7220.8	10745.2	12912.1
15°	1775.5	1918.5	2203.6	2693.1	3299.0	4440.7	6070.5	10848.2	17454.3	24673.4	31546.4
12.5°	2561.7	2860.1	3382.4	4103.3	5065.2	8322.7	13582.7	22571.6	34801.5	47308.9	63260.7
10°	3291.4	3891.5	4748.7	5965.5	8435.2	14000.3	22854.1	38133.7	59796.8	82385.4	104952.0
7.5°	3886.6	4745.2	5998.7	7821.5	12247.8	21182.5	35702.7	58215.2	85990.7	115052.0	145649.0
5°	4487.7	5574.6	7084.4	9289.8	14746.1	26731.2	46044.8	76865.1	112709.6	149327.6	187886.7
2.5°	5008.7	6280.3	8028.2	10604.9	16426.2	29734.4	52283.8	90234.7	132319.9	176139.4	225250.5
0°	5393.8	6688.4	8546.0	11226.6	18081.7	32072.3	55936.1	94186.7	136991.8	182230.7	232424.3
-2.5°	5340.2	6511.0	8194.7	10855.0	17506.5	31650.5	53654.8	90932.9	132826.8	175233.9	220000.0
-5°	5096.3	6114.4	7623.1	10004.3	15520.0	27460.8	48149.1	82504.9	121460.6	160213.8	200044.7
-7.5°	4724.4	5605.3	6927.6	8973.3	13229.3	22631.9	39824.9	66699.8	100191.3	133312.2	164038.0
-10°	4340.3	5057.8	6129.6	7745.9	10781.9	17351.9	29510.1	49601.2	77453.4	104729.4	128275.5
-12.5°	3979.2	4513.5	5275.7	6401.2	8272.4	12990.0	22170.1	36828.3	55432.8	76403.8	96792.3
-15°	3642.4	4037.5	4584.9	5492.6	6990.1	9788.4	14772.1	24540.5	37626.8	52265.0	66358.7
-17.5°	3333.6	3659.4	4086.5	4725.6	5653.5	7383.9	10875.2	16460.0	24361.0	34773.3	44506.1
-20°	3056.9	3352.0	3671.5	4150.3	4862.9	5881.4	7600.2	11067.3	15626.5	22189.4	28625.9



REPORT NUMBER: P701733 (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°	2840.2	3072.0	3320.3	3686.6	4280.7	5002.9	5857.3	7277.7	9787.2	13153.4	16965.8
-25°	2642.3	2813.9	3071.5	3465.7	3872.7	4354.4	4872.5	5442.1	6555.6	7638.3	9634.2
-27.5°	2454.0	2635.0	2903.5	3259.2	3630.4	3855.4	4186.8	4538.6	5071.3	5541.4	6336.5
-30°	2297.1	2487.1	2715.0	3015.2	3327.7	3539.6	3712.1	3966.6	4262.0	4556.8	4898.9
-32.5°	2002.0	2364.6	2522.6	2751.5	3032.9	3255.8	3408.4	3597.6	3755.4	3938.7	4124.5
-35°	1679.2	2079.1	2405.9	2553.9	2748.5	2996.4	3213.4	3365.3	3487.6	3600.6	3707.1
-37.5°	1313.8	1729.8	2086.6	2386.9	2565.0	2731.1	2961.1	3165.5	3312.6	3390.4	3459.7
-40°	1174.9	1295.0	1671.8	2016.2	2284.3	2544.4	2723.7	2924.1	3094.1	3201.5	3281.9
-42.5°	1151.1	1212.8	1261.5	1522.5	1847.8	2126.4	2363.8	2597.5	2805.2	2959.2	3083.6
-45°	1086.9	1160.3	1228.7	1277.0	1327.0	1573.4	1838.3	2096.4	2330.8	2540.6	2723.9
-47.5°	983.0	1070.7	1143.8	1213.8	1268.2	1311.2	1360.9	1443.0	1662.6	1878.1	2082.9
-50°	870.3	949.6	1029.0	1104.3	1163.4	1215.3	1263.1	1304.0	1345.1	1388.2	1429.2
-52.5°	758.7	829.7	900.2	966.4	1029.3	1088.6	1143.8	1184.3	1219.0	1249.5	1272.6
-55°	671.0	723.7	775.1	831.2	887.2	939.5	987.4	1031.3	1071.1	1106.7	1134.1
-57.5°	574.1	625.8	675.0	717.0	757.8	797.2	837.9	876.8	911.2	940.9	965.1
-60°	472.8	517.0	560.8	602.1	641.5	678.5	711.9	742.6	770.3	794.0	811.8
-62.5°	375.1	410.0	449.4	485.3	516.9	547.2	581.5	612.5	639.9	662.8	679.7
-65°	301.2	326.3	354.6	382.4	409.7	439.2	469.1	495.7	519.0	538.1	553.2
-67.5°	219.5	244.2	271.7	296.6	319.7	344.6	373.2	399.5	423.5	442.9	458.6
-70°	148.0	165.5	187.2	210.5	233.1	256.7	282.9	308.0	332.1	350.5	365.5
-72.5°	88.8	100.2	111.9	127.0	143.0	162.5	184.5	206.5	228.3	244.2	256.6
-75°	43.4	48.1	57.6	66.5	74.5	84.9	96.1	106.5	116.3	123.4	129.3
-77.5°	35.1	37.4	39.6	41.7	43.7	48.3	53.8	59.5	65.3	69.9	74.2
-80°	27.0	28.4	29.9	31.5	33.1	36.6	40.4	44.2	48.0	50.9	53.6
-82.5°	18.8	19.6	20.3	20.9	21.5	24.1	26.7	29.2	31.6	33.9	36.1
-85°	12.8	12.9	13.1	13.3	13.4	16.0	18.6	21.3	23.9	26.1	28.2
-87.5°	10.2	10.3	10.3	10.4	10.4	12.6	14.7	16.7	18.7	20.7	22.7
-90°	6.1	5.6	5.1	4.6	4.1	3.6	3.1	2.5	2.0	1.5	1.0



REPORT NUMBER: P701733 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	53.4	61.0	55.9	50.8	55.9	61.0	53.4	45.7	38.1	30.5	25.9
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5
85°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.5	4.0	4.0
82.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.1
80°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.1	4.1	4.5
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.7
75°	4.6	4.1	5.1	6.1	5.1	4.1	4.6	5.1	5.5	5.8	6.1
72.5°	10.4	10.1	10.2	10.2	10.2	10.1	10.4	10.6	10.8	10.9	11.3
70°	12.1	12.1	12.2	12.2	12.2	12.1	12.1	12.1	12.1	12.8	14.5
67.5°	10.9	10.4	10.2	10.2	10.2	10.4	10.9	11.5	12.0	13.0	14.9
65°	8.4	8.2	8.1	8.1	8.1	8.2	8.4	8.6	9.1	10.5	12.7
62.5°	7.5	8.0	8.1	8.1	8.1	8.0	7.5	7.1	6.8	7.8	9.6
60°	6.2	6.2	6.1	6.1	6.1	6.2	6.2	6.2	6.1	6.7	7.7
57.5°	6.1	6.1	6.9	8.1	6.9	6.1	6.1	6.1	6.1	6.6	7.2
55°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.7	7.3
52.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.8	7.4
50°	7.8	8.0	8.1	8.1	8.1	8.0	7.8	7.5	7.4	7.7	7.8
47.5°	9.8	10.0	9.5	8.1	9.5	10.0	9.8	9.5	9.7	10.0	10.0
45°	12.7	12.4	12.1	12.2	12.1	12.4	12.7	12.7	15.1	15.9	13.7
42.5°	19.8	20.0	20.1	20.3	20.1	20.0	19.8	19.2	22.8	28.8	33.8
40°	35.2	36.0	36.2	36.6	36.2	36.0	35.2	33.4	32.3	30.2	33.9
37.5°	53.1	54.1	54.4	54.9	54.4	54.1	53.1	52.4	52.2	48.1	49.8
35°	89.7	89.4	86.4	87.4	86.4	89.4	89.7	90.1	86.9	77.1	83.3
32.5°	192.7	194.1	184.1	168.7	184.1	194.1	192.7	180.6	162.9	148.1	138.8
30°	372.3	404.1	425.6	426.8	425.6	404.1	372.3	336.2	288.2	249.7	216.0
27.5°	655.8	705.4	726.5	737.7	726.5	705.4	655.8	583.6	475.6	415.6	325.1
25°	1239.1	1352.7	1414.1	1367.8	1414.1	1352.7	1239.1	1058.4	828.5	692.9	553.7
22.5°	2493.3	2710.7	2895.9	2906.2	2895.9	2710.7	2493.3	2063.9	1612.2	1210.9	936.7
20°	5888.3	5838.9	6307.3	6072.6	6307.3	5838.9	5888.3	4657.1	3771.6	2632.6	1950.1
17.5°	16701.8	18549.2	19570.3	18173.2	19570.3	18549.2	16701.8	12912.1	10745.2	7220.8	4645.1
15°	38396.7	43005.5	46123.9	45725.6	46123.9	43005.5	38396.7	31546.4	24673.4	17454.3	10848.2
12.5°	72195.7	79769.2	86224.5	85953.7	86224.5	79769.2	72195.7	63260.7	47308.9	34801.5	22571.6
10°	125057.2	138261.0	150566.2	151848.2	150566.2	138261.0	125057.2	104952.0	82385.4	59796.8	38133.7
7.5°	173759.1	203492.5	221216.2	225763.4	221216.2	203492.5	173759.1	145649.0	115052.0	85990.7	58215.2
5°	234742.3	269174.9	287802.3	288299.4	287802.3	269174.9	234742.3	187886.7	149327.6	112709.6	76865.1
2.5°	279886.9	318672.7	341544.7	359241.3	341544.7	318672.7	279886.9	225250.5	176139.4	132319.9	90234.7
0°	293313.2	326761.4	364083.3	384833.5	364083.3	326761.4	293313.2	232424.3	182230.7	136991.8	94186.7
-2.5°	275322.6	310342.4	328869.4	345747.5	328869.4	310342.4	275322.6	220000.0	175233.9	132826.8	90932.9
-5°	241145.0	278236.7	296037.3	299837.0	296037.3	278236.7	241145.0	200044.7	160213.8	121460.6	82504.9
-7.5°	191879.6	217986.0	236007.1	243074.8	236007.1	217986.0	191879.6	164038.0	133312.2	100191.3	66699.8
-10°	150172.0	167029.8	176048.1	182044.7	176048.1	167029.8	150172.0	128275.5	104729.4	77453.4	49601.2
-12.5°	113225.4	125411.7	132484.4	135563.1	132484.4	125411.7	113225.4	96792.3	76403.8	55432.8	36828.3
-15°	80593.1	90236.0	95025.2	98074.6	95025.2	90236.0	80593.1	66358.7	52265.0	37626.8	24540.5
-17.5°	55217.0	62970.5	67389.9	70264.0	67389.9	62970.5	55217.0	44506.1	34773.3	24361.0	16460.0
-20°	35329.2	39946.0	43346.5	44337.5	43346.5	39946.0	35329.2	28625.9	22189.4	15626.5	11067.3



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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°	20641.7	23360.0	25072.5	25461.1	25072.5	23360.0	20641.7	16965.8	13153.4	9787.2	7277.7
-25°	11223.4	12407.7	13306.2	13610.6	13306.2	12407.7	11223.4	9634.2	7638.3	6555.6	5442.1
-27.5°	6892.3	7350.2	7682.1	7853.0	7682.1	7350.2	6892.3	6336.5	5541.4	5071.3	4538.6
-30°	5184.1	5392.9	5517.6	5601.1	5517.6	5392.9	5184.1	4898.9	4556.8	4262.0	3966.6
-32.5°	4256.3	4349.9	4406.2	4444.7	4406.2	4349.9	4256.3	4124.5	3938.7	3755.4	3597.6
-35°	3791.3	3852.0	3893.7	3914.3	3893.7	3852.0	3791.3	3707.1	3600.6	3487.6	3365.3
-37.5°	3511.1	3549.4	3577.2	3593.2	3577.2	3549.4	3511.1	3459.7	3390.4	3312.6	3165.5
-40°	3320.2	3347.0	3369.2	3394.0	3369.2	3347.0	3320.2	3281.9	3201.5	3094.1	2924.1
-42.5°	3146.0	3185.8	3205.9	3211.1	3205.9	3185.8	3146.0	3083.6	2959.2	2805.2	2597.5
-45°	2864.3	2974.9	3043.0	3064.8	3043.0	2974.9	2864.3	2723.9	2540.6	2330.8	2096.4
-47.5°	2271.1	2436.6	2561.7	2638.0	2561.7	2436.6	2271.1	2082.9	1878.1	1662.6	1443.0
-50°	1467.4	1502.5	1516.3	1508.0	1516.3	1502.5	1467.4	1429.2	1388.2	1345.1	1304.0
-52.5°	1290.7	1304.8	1316.5	1325.1	1316.5	1304.8	1290.7	1272.6	1249.5	1219.0	1184.3
-55°	1155.6	1171.4	1186.4	1199.1	1186.4	1171.4	1155.6	1134.1	1106.7	1071.1	1031.3
-57.5°	985.3	1001.4	1007.4	1006.0	1007.4	1001.4	985.3	965.1	940.9	911.2	876.8
-60°	826.5	837.9	846.4	851.5	846.4	837.9	826.5	811.8	794.0	770.3	742.6
-62.5°	693.0	702.9	714.0	723.5	714.0	702.9	693.0	679.7	662.8	639.9	612.5
-65°	565.9	576.4	584.9	591.4	584.9	576.4	565.9	553.2	538.1	519.0	495.7
-67.5°	472.7	485.2	494.5	502.0	494.5	485.2	472.7	458.6	442.9	423.5	399.5
-70°	379.3	391.7	399.1	404.4	399.1	391.7	379.3	365.5	350.5	332.1	308.0
-72.5°	267.3	276.3	280.5	282.5	280.5	276.3	267.3	256.6	244.2	228.3	206.5
-75°	134.4	138.7	142.8	146.3	142.8	138.7	134.4	129.3	123.4	116.3	106.5
-77.5°	78.5	82.7	85.2	87.4	85.2	82.7	78.5	74.2	69.9	65.3	59.5
-80°	56.1	58.6	60.8	63.0	60.8	58.6	56.1	53.6	50.9	48.0	44.2
-82.5°	38.3	40.5	41.6	42.7	41.6	40.5	38.3	36.1	33.9	31.6	29.2
-85°	30.3	32.4	33.5	34.5	33.5	32.4	30.3	28.2	26.1	23.9	21.3
-87.5°	24.6	26.5	27.5	28.5	27.5	26.5	24.6	22.7	20.7	18.7	16.7
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.5



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	21.3	16.8	12.2	11.7	11.2	10.7	10.2	9.7	9.2	8.6	8.1
87.5°	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.1	6.1	6.1	6.1
85°	4.0	4.0	4.1	4.6	5.1	5.6	6.1	6.1	6.1	6.1	6.1
82.5°	4.1	4.1	4.1	4.6	5.1	5.6	6.1	6.3	6.4	6.4	6.4
80°	4.9	5.2	5.4	5.4	5.6	5.8	6.2	6.7	7.2	7.6	7.8
77.5°	5.2	5.7	6.2	6.4	6.5	6.4	6.4	6.7	7.2	7.7	8.1
75°	6.5	6.8	7.3	8.0	8.3	8.1	7.9	7.8	7.8	7.9	8.1
72.5°	11.4	11.4	11.9	13.2	13.7	14.4	14.2	13.2	11.6	9.6	8.1
70°	16.0	17.1	19.5	23.0	25.5	26.5	26.1	24.1	20.8	18.1	14.5
67.5°	16.9	19.1	22.8	27.2	30.7	34.0	37.1	39.6	38.5	34.7	25.1
65°	14.9	17.2	20.1	23.4	27.7	33.2	40.7	45.2	47.6	48.2	40.0
62.5°	11.6	13.8	15.4	17.7	21.0	26.4	35.3	43.4	50.5	52.7	44.8
60°	9.0	10.2	11.2	12.7	14.5	19.5	28.7	38.4	48.5	48.7	45.1
57.5°	7.8	8.5	9.4	9.9	10.2	14.2	21.5	31.2	41.7	41.6	40.3
55°	7.9	8.5	9.1	9.7	10.2	11.8	14.8	21.2	29.8	32.0	31.8
52.5°	8.0	8.6	9.2	9.8	10.3	10.7	11.7	15.3	18.5	21.9	23.5
50°	8.2	8.8	9.4	10.0	10.4	10.3	10.6	11.7	13.5	15.6	17.1
47.5°	10.0	9.9	9.8	10.3	11.0	11.2	11.0	10.7	12.0	12.4	13.9
45°	13.6	12.9	11.8	12.3	12.4	12.5	12.5	13.1	12.6	12.7	12.2
42.5°	28.8	21.4	16.8	18.2	17.1	16.2	15.5	16.7	16.1	14.6	15.6
40°	40.5	44.5	37.8	31.9	29.2	24.1	23.5	22.2	21.4	18.8	21.7
37.5°	49.9	48.8	58.8	61.1	51.7	43.2	37.0	32.2	28.7	29.3	31.0
35°	80.6	77.7	80.8	85.1	82.8	75.6	60.4	47.9	41.8	42.6	42.5
32.5°	129.6	124.4	117.6	117.1	121.5	117.3	98.7	74.0	63.9	59.9	56.4
30°	194.9	184.5	168.2	166.4	175.1	165.6	145.6	128.3	106.0	80.6	72.6
27.5°	302.8	265.7	242.0	250.0	247.6	230.5	215.6	198.1	160.4	120.9	97.7
25°	485.2	414.0	385.4	371.7	346.3	331.2	308.1	277.4	232.7	182.8	160.2
22.5°	744.9	684.3	607.2	527.1	531.0	503.7	429.6	365.4	349.2	349.5	276.3
20°	1354.8	1145.6	942.3	913.8	871.7	742.3	590.0	580.0	636.5	584.7	432.0
17.5°	3146.5	2170.1	1739.4	1629.3	1397.9	1113.5	1063.5	1010.6	978.5	876.2	618.2
15°	6070.5	4440.7	3299.0	2693.1	2203.6	1918.5	1775.5	1502.6	1373.7	1200.4	895.5
12.5°	13582.7	8322.7	5065.2	4103.3	3382.4	2860.1	2561.7	2150.5	1822.9	1613.7	1310.0
10°	22854.1	14000.3	8435.2	5965.5	4748.7	3891.5	3291.4	2744.6	2296.3	2054.2	1736.9
7.5°	35702.7	21182.5	12247.8	7821.5	5998.7	4745.2	3886.6	3259.8	2753.2	2483.5	2167.1
5°	46044.8	26731.2	14746.1	9289.8	7084.4	5574.6	4487.7	3725.1	3193.3	2900.5	2589.3
2.5°	52283.8	29734.4	16426.2	10604.9	8028.2	6280.3	5008.7	4076.6	3506.7	3143.5	2804.1
0°	55936.1	32072.3	18081.7	11226.6	8546.0	6688.4	5393.8	4332.9	3753.7	3341.2	2989.6
-2.5°	53654.8	31650.5	17506.5	10855.0	8194.7	6511.0	5340.2	4412.2	3845.4	3409.2	2997.7
-5°	48149.1	27460.8	15520.0	10004.3	7623.1	6114.4	5096.3	4333.5	3823.0	3420.4	2967.4
-7.5°	39824.9	22631.9	13229.3	8973.3	6927.6	5605.3	4724.4	4072.4	3592.4	3241.6	2783.5
-10°	29510.1	17351.9	10781.9	7745.9	6129.6	5057.8	4340.3	3775.6	3357.3	3055.4	2571.4
-12.5°	22170.1	12990.0	8272.4	6401.2	5275.7	4513.5	3979.2	3462.8	3124.5	2866.7	2336.4
-15°	14772.1	9788.4	6990.1	5492.6	4584.9	4037.5	3642.4	3200.9	2949.4	2686.9	2082.8
-17.5°	10875.2	7383.9	5653.5	4725.6	4086.5	3659.4	3333.6	3013.9	2770.9	2459.5	1813.3
-20°	7600.2	5881.4	4862.9	4150.3	3671.5	3352.0	3056.9	2817.0	2573.2	2139.9	1540.3



REPORT NUMBER: P701733 (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°	5857.3	5002.9	4280.7	3686.6	3320.3	3072.0	2840.2	2621.7	2358.2	1802.7	1273.2
-25°	4872.5	4354.4	3872.7	3465.7	3071.5	2813.9	2642.3	2435.6	2034.0	1484.1	1046.6
-27.5°	4186.8	3855.4	3630.4	3259.2	2903.5	2635.0	2454.0	2225.8	1715.3	1242.0	1002.1
-30°	3712.1	3539.6	3327.7	3015.2	2715.0	2487.1	2297.1	1883.6	1433.1	1054.2	978.3
-32.5°	3408.4	3255.8	3032.9	2751.5	2522.6	2364.6	2002.0	1558.8	1150.7	1027.5	945.1
-35°	3213.4	2996.4	2748.5	2553.9	2405.9	2079.1	1679.2	1256.4	1070.3	993.8	906.3
-37.5°	2961.1	2731.1	2565.0	2386.9	2086.6	1729.8	1313.8	1124.3	1040.2	949.3	855.3
-40°	2723.7	2544.4	2284.3	2016.2	1671.8	1295.0	1174.9	1101.7	1000.3	895.5	796.5
-42.5°	2363.8	2126.4	1847.8	1522.5	1261.5	1212.8	1151.1	1051.3	945.6	834.8	735.1
-45°	1838.3	1573.4	1327.0	1277.0	1228.7	1160.3	1086.9	979.9	869.3	767.0	670.7
-47.5°	1360.9	1311.2	1268.2	1213.8	1143.8	1070.7	983.0	886.7	787.4	694.2	618.2
-50°	1263.1	1215.3	1163.4	1104.3	1029.0	949.6	870.3	790.3	705.8	632.7	560.3
-52.5°	1143.8	1088.6	1029.3	966.4	900.2	829.7	758.7	700.3	635.0	564.8	495.6
-55°	987.4	939.5	887.2	831.2	775.1	723.7	671.0	615.6	555.8	490.6	428.6
-57.5°	837.9	797.2	757.8	717.0	675.0	625.8	574.1	522.5	471.3	413.7	360.2
-60°	711.9	678.5	641.5	602.1	560.8	517.0	472.8	427.7	381.8	344.1	305.1
-62.5°	581.5	547.2	516.9	485.3	449.4	410.0	375.1	345.8	315.6	282.9	244.9
-65°	469.1	439.2	409.7	382.4	354.6	326.3	301.2	273.7	244.7	214.6	181.2
-67.5°	373.2	344.6	319.7	296.6	271.7	244.2	219.5	195.1	173.5	151.9	125.5
-70°	282.9	256.7	233.1	210.5	187.2	165.5	148.0	131.0	112.5	95.9	78.2
-72.5°	184.5	162.5	143.0	127.0	111.9	100.2	88.8	76.7	64.0	50.7	40.8
-75°	96.1	84.9	74.5	66.5	57.6	48.1	43.4	41.2	38.7	35.9	32.7
-77.5°	53.8	48.3	43.7	41.7	39.6	37.4	35.1	32.8	30.6	28.5	26.4
-80°	40.4	36.6	33.1	31.5	29.9	28.4	27.0	25.4	23.8	22.4	21.2
-82.5°	26.7	24.1	21.5	20.9	20.3	19.6	18.8	18.2	17.7	17.3	17.0
-85°	18.6	16.0	13.4	13.3	13.1	12.9	12.8	12.9	12.9	12.9	12.7
-87.5°	14.7	12.6	10.4	10.4	10.3	10.3	10.2	10.1	10.0	9.8	9.6
-90°	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.1	6.1	6.1	6.1



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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	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	6.4	6.7	7.0	7.2	7.4	7.6	7.8	8.1	8.1	8.1	8.1
85°	6.6	7.1	7.6	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	6.7	7.1	7.6	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	7.7	7.7	7.9	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
75°	8.1	8.1	8.1	8.2	8.2	8.1	8.1	8.1	8.1	8.1	8.1
72.5°	8.1	8.1	8.1	8.4	8.7	8.7	8.4	8.1	8.1	8.1	8.1
70°	11.1	8.6	8.1	8.3	8.8	9.4	9.3	8.8	8.1	8.1	8.1
67.5°	16.4	12.5	9.8	8.3	8.3	9.0	9.9	9.6	8.9	8.1	8.1
65°	28.7	19.2	12.0	10.0	8.6	8.3	9.1	10.0	9.6	8.8	8.1
62.5°	36.9	28.3	19.3	12.8	9.5	8.4	8.3	9.4	10.1	9.4	8.5
60°	40.7	32.5	26.0	19.1	12.4	8.6	8.3	8.9	9.8	10.1	9.1
57.5°	37.2	34.6	29.6	24.1	17.6	11.0	8.4	8.8	9.5	10.1	9.6
55°	31.5	30.5	31.2	27.0	21.6	15.1	9.7	9.0	9.4	10.0	10.1
52.5°	23.3	26.8	29.7	28.7	23.9	18.6	12.9	9.1	9.5	10.0	10.2
50°	17.2	22.2	27.8	29.1	25.8	20.6	15.6	11.0	9.7	10.1	10.3
47.5°	15.9	20.1	24.7	29.4	27.6	22.6	17.5	12.7	9.8	10.2	10.5
45°	16.4	19.9	23.3	27.4	29.3	24.1	19.2	14.0	10.8	10.4	10.6
42.5°	18.1	21.3	23.8	26.1	28.1	25.1	20.7	15.3	11.5	10.6	10.9
40°	23.5	24.0	25.3	27.6	27.2	25.8	21.4	16.6	11.9	11.1	11.1
37.5°	30.6	29.4	28.6	31.6	28.3	25.7	21.7	17.8	13.2	12.0	11.5
35°	40.9	37.4	35.6	38.1	34.1	26.5	21.7	18.5	15.3	12.8	11.8
32.5°	52.6	50.3	48.2	45.5	42.1	27.9	22.2	20.3	17.5	13.8	12.2
30°	70.7	73.6	63.6	54.0	51.3	35.4	25.1	22.5	19.7	14.7	12.7
27.5°	110.6	104.1	83.1	67.6	59.3	45.6	31.2	25.1	22.1	16.1	13.5
25°	162.1	144.6	113.1	84.2	68.0	73.8	38.6	28.3	24.3	17.9	14.3
22.5°	224.2	194.2	148.1	102.4	107.3	110.7	54.2	34.1	26.7	19.8	15.1
20°	294.2	251.3	199.8	170.3	156.8	146.0	81.4	40.5	29.3	21.7	15.9
17.5°	382.3	357.8	324.5	259.1	213.2	184.8	113.2	47.4	32.0	23.5	16.7
15°	625.9	521.8	462.8	358.4	273.5	226.6	148.5	54.6	34.8	25.3	17.6
12.5°	919.9	689.0	610.9	465.7	336.7	270.6	186.3	62.0	37.7	27.3	18.7
10°	1234.6	858.2	765.9	578.4	401.6	316.1	225.1	71.1	42.5	29.4	19.9
7.5°	1559.6	1028.1	924.3	693.3	466.2	361.3	268.0	83.7	47.7	31.4	21.1
5°	1852.7	1171.4	1051.2	791.1	524.1	404.7	309.6	96.3	53.0	33.3	22.3
2.5°	1993.9	1271.8	1151.9	881.1	579.7	446.3	348.1	108.5	58.2	35.0	23.4
0°	2105.5	1367.8	1243.8	963.3	632.1	485.7	382.1	119.9	63.0	36.6	24.4
-2.5°	2116.3	1365.4	1231.5	962.1	650.7	501.3	389.3	137.3	77.5	46.5	29.1
-5°	2094.5	1357.5	1211.1	952.6	665.1	513.9	391.2	153.4	91.2	55.9	33.6
-7.5°	1971.0	1312.4	1171.3	933.6	674.9	522.9	388.4	168.1	104.1	64.6	37.7
-10°	1802.0	1243.9	1107.7	891.2	663.9	521.6	381.4	181.2	115.8	72.5	41.3
-12.5°	1605.1	1174.1	1043.5	845.6	646.4	511.9	369.2	193.2	126.3	79.3	44.3
-15°	1381.6	1103.8	980.6	798.6	625.7	500.3	355.6	203.6	135.8	85.5	46.6
-17.5°	1140.3	1034.0	921.3	751.5	602.2	487.2	341.3	211.9	144.1	91.4	49.2
-20°	1067.1	979.9	865.3	705.7	576.1	472.9	327.3	218.0	150.8	95.7	51.7



REPORT NUMBER: P701733 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1025.3	936.9	816.1	670.3	551.3	457.6	314.3	221.9	156.1	98.5	53.0
-25°	984.6	893.5	769.0	639.2	531.2	435.6	309.6	223.4	159.7	99.6	53.2
-27.5°	938.2	847.2	722.0	605.8	511.8	417.3	309.7	226.5	161.3	98.9	52.0
-30°	890.0	794.0	680.7	573.4	490.5	395.1	307.0	227.6	160.2	97.2	49.4
-32.5°	850.7	742.6	639.2	547.9	464.8	371.8	295.3	226.6	156.5	94.1	47.5
-35°	803.1	696.8	597.1	520.7	436.8	352.6	279.7	223.4	150.4	89.0	45.1
-37.5°	751.8	651.2	565.7	490.6	408.0	330.7	265.4	208.4	141.6	81.9	41.5
-40°	698.7	607.8	533.1	458.2	380.4	306.4	249.1	189.9	131.4	72.8	36.7
-42.5°	643.2	568.6	495.5	424.4	351.1	286.2	230.4	169.6	115.4	64.7	30.8
-45°	596.7	524.8	453.7	386.4	320.3	263.9	205.7	147.7	97.5	56.5	26.3
-47.5°	545.5	475.5	409.3	345.8	292.9	238.0	178.9	126.2	78.5	46.6	25.0
-50°	488.0	423.7	362.6	309.5	261.7	206.0	150.9	103.2	64.8	34.5	23.4
-52.5°	430.1	370.5	319.3	273.5	223.9	171.7	123.7	79.8	50.4	29.0	21.6
-55°	369.9	321.8	278.4	231.9	183.5	138.4	94.8	62.9	35.5	26.3	19.7
-57.5°	317.7	275.7	231.7	186.8	144.5	104.4	71.5	45.4	29.6	23.5	18.5
-60°	265.4	223.2	181.6	143.2	106.0	75.3	51.4	32.1	26.4	20.9	17.1
-62.5°	206.6	169.2	134.1	100.1	74.0	52.4	33.6	28.4	23.1	19.3	15.6
-65°	150.8	119.0	87.4	68.0	48.5	33.8	29.5	24.7	20.9	17.5	14.3
-67.5°	97.6	77.0	57.5	39.9	33.1	29.2	25.3	22.0	18.9	15.7	13.3
-70°	60.3	43.1	35.1	31.4	28.0	24.7	22.4	19.7	16.8	14.5	12.3
-72.5°	36.8	32.9	29.2	26.0	23.9	21.9	19.8	17.6	15.4	13.3	11.2
-75°	29.4	26.9	24.6	22.6	20.8	19.0	17.5	16.0	14.0	12.1	10.8
-77.5°	24.4	22.6	20.9	19.3	17.9	16.6	15.5	14.4	12.7	11.5	10.6
-80°	19.9	18.6	17.2	15.9	15.0	14.2	13.6	12.8	11.7	10.9	10.4
-82.5°	15.9	14.8	13.9	13.1	12.6	12.2	11.7	11.2	10.6	10.2	10.0
-85°	12.1	11.6	11.2	10.8	10.5	10.2	10.0	9.9	9.7	9.5	9.4
-87.5°	9.5	9.4	9.4	9.3	9.2	9.1	9.1	9.0	8.9	8.8	8.7
-90°	6.1	6.1	6.1	6.1	6.6	7.1	7.6	8.1	8.1	8.1	8.1



REPORT NUMBER: P701733 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
85°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
75°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
72.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
70°	8.1	8.1	8.1	8.1	8.1	8.1	8.1
67.5°	8.2	8.1	8.1	8.1	8.1	8.1	8.1
65°	8.2	8.2	8.1	8.1	8.1	8.1	8.1
62.5°	8.4	8.3	8.1	8.1	8.1	8.1	8.1
60°	8.5	8.5	8.1	8.1	8.1	8.1	8.1
57.5°	8.9	8.7	8.3	8.1	8.1	8.1	8.1
55°	9.3	8.9	8.5	8.1	8.2	8.1	8.1
52.5°	9.7	9.2	8.7	8.1	8.2	8.1	8.1
50°	10.0	9.4	9.0	8.1	8.2	8.1	8.1
47.5°	10.2	9.6	9.2	8.1	8.3	8.1	8.1
45°	10.4	9.8	9.5	8.3	8.4	8.1	8.1
42.5°	10.6	10.0	9.7	8.5	8.4	8.1	8.1
40°	10.8	10.1	9.9	8.8	8.5	8.1	8.1
37.5°	11.0	10.2	10.0	9.0	8.6	8.1	8.1
35°	11.3	10.3	10.1	9.2	8.7	8.1	8.1
32.5°	11.6	10.5	10.1	9.4	8.8	8.1	8.1
30°	11.9	10.8	10.2	9.6	8.9	8.1	8.1
27.5°	12.3	11.0	10.2	9.7	9.0	8.1	8.1
25°	12.6	11.2	10.2	9.8	9.1	8.1	8.1
22.5°	13.0	11.4	10.2	9.9	9.2	8.1	8.1
20°	13.4	11.6	10.2	10.0	9.3	8.1	8.1
17.5°	13.6	11.7	10.2	10.1	9.4	8.1	8.1
15°	13.8	11.9	10.2	10.1	9.5	8.1	8.1
12.5°	13.9	12.0	10.2	10.2	9.7	8.1	8.1
10°	14.0	12.0	10.2	10.2	9.8	8.1	8.1
7.5°	14.1	12.1	10.2	10.2	9.9	8.1	8.1
5°	14.2	12.2	10.2	10.2	10.0	8.1	8.1
2.5°	14.2	12.2	10.2	10.2	10.1	8.1	8.1
0°	14.2	12.2	10.2	10.2	10.1	8.1	8.1
-2.5°	16.1	12.6	10.4	10.2	10.2	8.1	8.1
-5°	17.9	13.1	10.5	10.2	10.2	8.1	8.1
-7.5°	19.6	13.4	10.7	10.2	10.2	8.1	8.1
-10°	21.1	13.8	10.9	10.2	10.1	8.1	8.1
-12.5°	22.4	14.1	11.0	10.2	10.1	8.1	8.1
-15°	23.4	14.3	11.1	10.2	10.1	8.1	8.1
-17.5°	24.1	14.5	11.2	10.2	10.0	8.1	8.1
-20°	24.8	14.6	11.2	10.2	9.9	8.1	8.1



REPORT NUMBER: P701733 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	25.6	14.6	11.3	10.2	9.9	8.1	8.1
-25°	25.7	14.8	11.3	10.2	9.8	8.1	8.1
-27.5°	25.2	14.9	11.2	10.2	9.7	8.1	8.1
-30°	23.9	14.9	11.1	10.2	9.6	8.1	8.1
-32.5°	21.8	14.7	11.2	10.2	9.5	8.1	8.1
-35°	20.9	14.5	11.1	10.2	9.4	8.1	8.1
-37.5°	20.6	14.2	11.1	10.2	9.3	8.1	8.1
-40°	20.1	14.1	10.9	10.2	9.2	8.1	8.1
-42.5°	19.4	13.9	10.9	10.2	9.1	8.1	8.1
-45°	18.5	13.6	10.9	10.2	9.0	8.1	8.1
-47.5°	17.4	13.3	10.9	10.2	8.8	8.1	8.1
-50°	16.7	12.8	10.8	10.1	8.7	8.1	8.1
-52.5°	16.0	12.3	10.7	9.9	8.6	8.1	8.1
-55°	15.2	12.0	10.6	9.7	8.4	8.1	8.1
-57.5°	14.3	11.7	10.4	9.5	8.3	8.1	8.1
-60°	13.3	11.3	10.2	9.3	8.1	8.1	8.1
-62.5°	12.7	10.9	10.0	9.1	8.1	8.1	8.1
-65°	12.0	10.5	9.8	8.9	8.1	8.1	8.1
-67.5°	11.2	10.1	9.6	8.8	8.1	8.1	8.1
-70°	10.3	10.0	9.5	8.6	8.1	8.1	8.1
-72.5°	10.2	9.9	9.3	8.5	8.1	8.1	8.1
-75°	10.2	9.8	9.1	8.5	8.1	8.1	8.1
-77.5°	10.1	9.7	9.0	8.4	8.1	8.1	8.1
-80°	10.2	9.4	8.8	8.4	8.1	8.1	8.1
-82.5°	9.7	9.1	8.6	8.3	8.1	8.1	8.1
-85°	9.2	8.8	8.5	8.2	8.1	8.1	8.1
-87.5°	8.6	8.4	8.3	8.2	8.1	8.1	8.1
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1

(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

