

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: P701449 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-80-4S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701449 (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-08-0320L-57-80-4S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

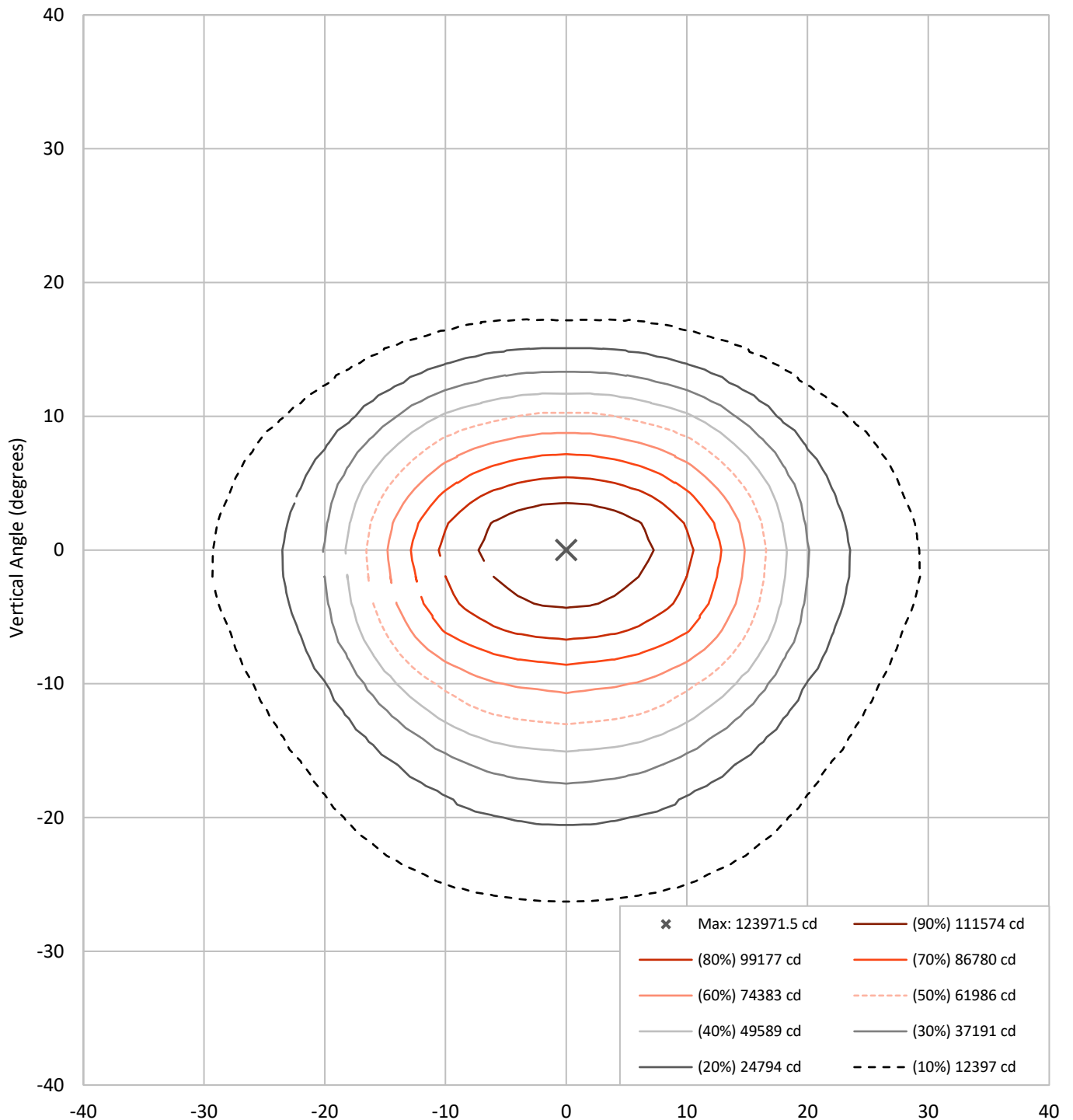
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 3V
Luminaire Lumens:	32726.3 lumens	Max Intensity:	123971.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	95.1 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:	16558.4 lumens	Field Lumens:	28223.6 lumens
Beam Efficiency:	50.6%	Field Efficiency:	86.2%

Input Watts (W): 344.2
Input Voltage (V): NR
Input Current (A_{in}): 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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CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-CV5-S

Iso-Candela Plot





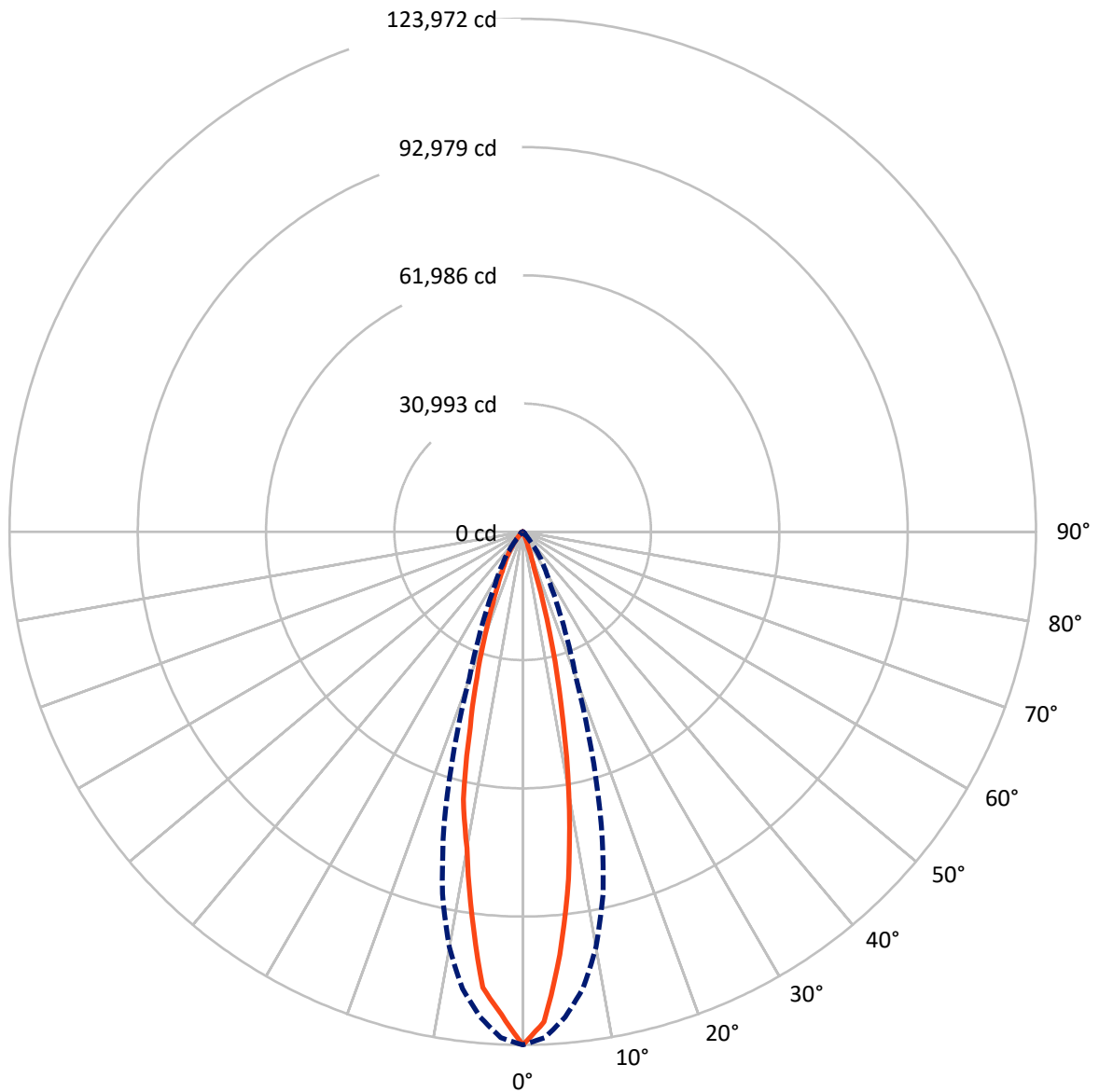
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Lumen Table

90																			
80	0.1	0.3		0.4		0.4		0.3		0.4		0.4		0.3		0.1			
70	0.1	0.1	0.1	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.1	0.1	0.1			
60		0.1	0.2	0.5	0.4	0.2	0.1	0.1	0.1	0.1	0.2	0.4	0.5	0.2	0.1				
50	0.1	0.1	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.1	0.1			
40		0.1	0.3	0.5	0.7	1.4	2.5	3.8	3.8	2.5	1.4	0.7	0.5	0.3	0.1				
30	0.1	0.2	0.9	1.8	4.9	13.7	28.3	47.0	47.0	28.3	13.7	4.9	1.8	0.9	0.2	0.1			
20		0.5	2.8	7.4	44.2	138.0	420.4	785.9	785.9	420.4	138.0	44.2	7.4	2.8	0.5				
10	0.2	1.0	5.7	18.6	137.1	483.0	1672.1	2845.4	2845.4	1672.1	483.0	137.1	18.6	5.7	1.0	0.2			
0		1.4	7.0	22.4	152.8	532.9	1841.7	3023.3	3023.3	1841.7	532.9	152.8	22.4	7.0	1.4				
-10	0.3	1.5	6.2	15.7	90.5	293.7	815.0	1432.4	1432.4	815.0	293.7	90.5	15.7	6.2	1.5	0.3			
-20		1.5	5.2	10.5	37.8	146.8	302.6	440.6	440.6	302.6	146.8	37.8	10.5	5.2	1.5				
-30	0.2	1.2	4.4	8.2	15.3	45.7	103.8	147.3	147.3	103.8	45.7	15.3	8.2	4.4	1.2	0.2			
-40		0.8	3.1	6.7	10.9	16.3	23.6	31.0	31.0	23.6	16.3	10.9	6.7	3.1	0.8				
-50	0.2	0.4	1.6	4.3	7.7	10.8	13.2	14.8	14.8	13.2	10.8	7.7	4.3	1.6	0.4	0.2			
-60		0.2	0.6	1.6	3.2	5.2	7.0	8.0	8.0	7.0	5.2	3.2	1.6	0.6	0.2				
-70																			
-80	0.1	0.5		1.6		4.0		5.7		4.0		1.6		0.5		0.1			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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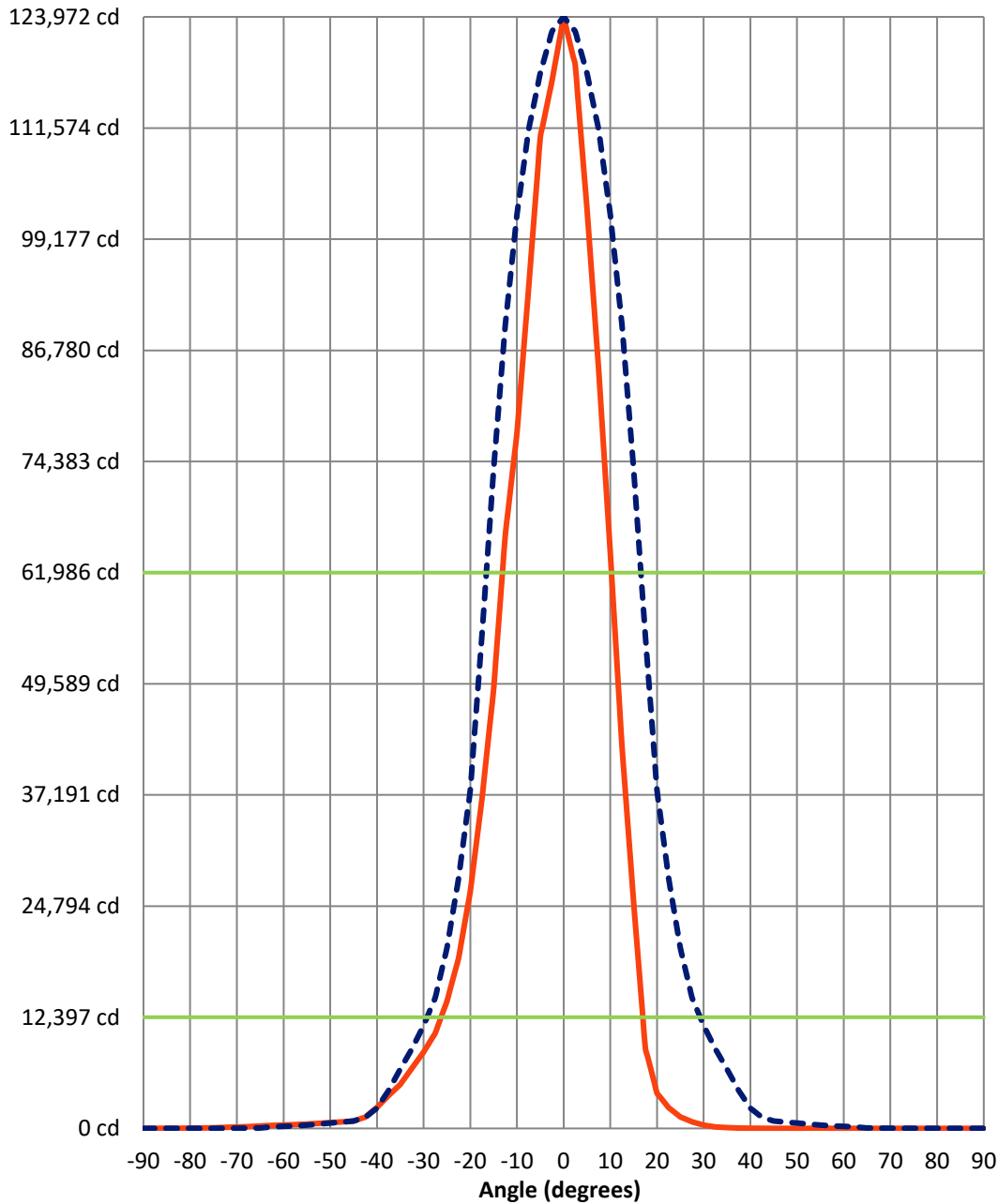
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 33.1°
V Angle: 23.4°
Lumens: 16558.4
Efficiency: 50.6%

Field:
H Angle: 58.5°
V Angle: 43.2°
Lumens: 28223.6
Efficiency: 86.2%

Spill:
Lumens: 4502.7
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°	4.5	5.1	5.7	5.4	5.1	4.8	4.5	4.8	5.1	5.4	5.7
87.5°	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.8	4.7	4.6	4.5
85°	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.0	4.9	4.7	4.5
82.5°	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.3	5.1	4.9	4.8
80°	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.5	5.3	5.3	5.3
77.5°	4.5	4.8	5.0	5.3	5.5	5.7	5.7	5.6	5.5	5.6	5.7
75°	4.5	4.8	5.1	5.4	5.7	5.7	5.7	5.7	5.7	5.7	5.7
72.5°	4.5	4.9	5.2	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7
70°	4.5	4.9	5.3	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
67.5°	4.5	5.0	5.4	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
65°	4.5	5.0	5.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
62.5°	4.5	5.1	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
60°	4.5	5.1	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
57.5°	4.5	5.1	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
55°	4.5	5.2	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
52.5°	4.5	5.2	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
50°	4.5	5.3	5.7	5.7	5.7	5.7	5.7	5.8	5.7	5.7	6.2
47.5°	4.5	5.3	5.7	5.7	5.7	5.7	5.7	5.8	5.7	5.7	6.7
45°	4.5	5.3	5.7	5.7	5.7	5.7	5.8	5.9	5.8	6.0	7.1
42.5°	4.5	5.4	5.7	5.7	5.7	5.7	5.9	6.0	5.8	6.3	7.4
40°	4.5	5.4	5.7	5.7	5.7	5.7	6.0	6.1	6.0	6.6	7.6
37.5°	4.5	5.5	5.7	5.7	5.7	5.7	6.2	6.2	6.3	7.0	7.8
35°	4.5	5.5	5.7	5.7	5.7	5.8	6.3	6.2	6.6	7.5	8.0
32.5°	4.5	5.5	5.7	5.7	5.7	5.9	6.4	6.3	6.9	8.1	8.8
30°	4.5	5.5	5.7	5.7	5.7	6.0	6.5	6.4	7.2	8.8	9.8
27.5°	4.5	5.6	5.7	5.7	5.7	6.1	6.6	6.6	7.6	9.6	10.9
25°	4.5	5.6	5.7	5.7	5.7	6.3	6.6	6.9	8.2	10.5	12.1
22.5°	4.5	5.6	5.7	5.7	5.7	6.4	6.7	7.1	8.9	11.5	14.5
20°	4.5	5.6	5.7	5.7	5.7	6.5	6.8	7.3	9.6	12.5	17.1
17.5°	4.5	5.6	5.7	5.7	5.7	6.5	6.9	7.5	10.3	13.6	19.7
15°	4.5	5.7	5.7	5.7	5.7	6.6	7.0	7.8	11.0	14.7	22.5
12.5°	4.5	5.7	5.7	5.7	5.7	6.7	7.1	8.4	12.0	15.9	25.2
10°	4.5	5.7	5.7	5.7	5.7	6.7	7.3	9.0	13.3	18.2	28.8
7.5°	4.5	5.7	5.7	5.7	5.7	6.8	7.4	9.6	14.6	20.8	34.2
5°	4.5	5.7	5.7	5.7	5.7	6.8	7.6	10.2	15.8	23.3	39.6
2.5°	4.5	5.7	5.7	5.7	5.7	6.8	7.7	10.7	17.0	25.9	44.8
0°	4.5	5.7	5.7	5.7	5.7	6.8	7.9	11.3	18.1	28.3	49.8
-2.5°	4.5	5.7	5.7	5.7	5.7	6.9	8.7	12.9	21.3	34.3	58.8
-5°	4.5	5.7	5.7	5.7	5.7	7.0	9.4	14.4	24.4	39.9	67.2
-7.5°	4.5	5.7	5.7	5.7	5.7	7.1	10.0	15.8	27.2	45.1	74.8
-10°	4.5	5.7	5.7	5.7	5.7	7.2	10.6	17.0	29.6	49.7	81.4
-12.5°	4.5	5.7	5.7	5.7	5.7	7.2	11.1	18.1	31.7	53.6	87.4
-15°	4.5	5.7	5.7	5.7	5.7	7.2	11.4	18.9	33.6	57.4	92.3
-17.5°	4.5	5.7	5.7	5.7	5.7	7.2	11.6	19.9	35.4	60.3	95.9
-20°	4.5	5.6	5.7	5.7	5.7	7.1	11.8	20.7	36.5	62.2	98.2



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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.5	5.6	5.7	5.7	5.7	7.0	12.1	21.3	36.9	63.0	99.1
-25°	4.5	5.6	5.7	5.7	5.7	7.0	12.1	21.6	36.5	62.7	98.4
-27.5°	4.5	5.6	5.7	5.7	5.7	7.0	11.9	21.6	35.3	61.6	97.8
-30°	4.5	5.6	5.7	5.7	5.7	6.9	11.5	21.2	34.5	60.2	95.7
-32.5°	4.5	5.6	5.7	5.7	5.8	6.8	10.8	20.7	34.0	57.5	92.0
-35°	4.5	5.5	5.7	5.7	5.9	6.5	10.4	19.8	33.0	53.7	86.6
-37.5°	4.5	5.5	5.7	5.7	5.9	6.3	10.1	18.6	31.5	48.6	78.0
-40°	4.5	5.5	5.7	5.7	6.0	6.4	9.6	17.0	29.5	45.3	69.4
-42.5°	4.5	5.5	5.7	5.7	6.1	6.5	8.9	15.0	27.2	41.6	60.2
-45°	4.5	5.5	5.7	5.7	6.1	6.6	8.2	13.3	24.5	37.2	51.1
-47.5°	4.5	5.5	5.7	5.8	6.1	6.6	7.2	12.2	21.3	32.5	45.7
-50°	4.5	5.4	5.7	5.8	6.2	6.7	7.2	10.8	17.2	27.8	39.8
-52.5°	4.5	5.4	5.7	5.8	6.2	6.8	7.2	9.3	14.4	22.8	33.4
-55°	4.5	5.4	5.7	5.8	6.2	6.8	7.3	7.8	12.3	17.5	27.4
-57.5°	4.5	5.4	5.7	5.8	6.1	6.7	7.4	7.9	10.2	14.4	21.1
-60°	4.5	5.4	5.7	5.8	6.1	6.7	7.5	7.9	8.4	12.0	15.8
-62.5°	4.5	5.3	5.7	5.8	6.1	6.6	7.3	7.9	8.3	9.6	13.2
-65°	4.5	5.3	5.7	5.8	6.0	6.5	7.1	7.8	8.1	8.8	10.5
-67.5°	4.5	5.3	5.7	5.7	5.9	6.4	6.9	7.5	7.9	8.4	9.3
-70°	4.5	5.3	5.7	5.7	5.9	6.2	6.7	7.2	7.6	7.9	8.5
-72.5°	4.5	5.3	5.7	5.7	5.8	6.1	6.5	6.9	7.2	7.5	7.8
-75°	4.5	5.2	5.7	5.6	5.7	5.9	6.3	6.6	6.8	7.1	7.4
-77.5°	4.5	5.2	5.7	5.6	5.6	5.8	6.0	6.2	6.5	6.7	6.9
-80°	4.5	5.2	5.7	5.6	5.5	5.6	5.7	5.9	6.1	6.3	6.5
-82.5°	4.5	5.2	5.7	5.5	5.4	5.4	5.4	5.6	5.7	5.9	6.0
-85°	4.5	5.2	5.7	5.5	5.3	5.2	5.1	5.3	5.5	5.6	5.7
-87.5°	4.5	5.1	5.7	5.4	5.2	5.0	4.8	5.1	5.3	5.5	5.7
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5



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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°	5.4	5.1	4.8	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.2	4.0	3.7
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.2	4.2
82.5°	4.9	4.8	4.7	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	5.3	5.1	4.8	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	5.5	5.2	4.9	4.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	5.5	5.2	4.9	4.6	4.5	4.5	4.5	4.8	4.9	4.9	4.8
72.5°	5.5	5.2	4.9	4.7	4.8	5.0	5.3	5.6	5.8	6.0	6.1
70°	5.6	5.3	5.2	5.2	5.5	5.8	6.3	6.9	7.5	7.9	8.6
67.5°	5.6	5.5	5.5	5.8	6.1	6.7	7.4	8.8	10.4	11.3	12.2
65°	5.7	5.7	5.8	6.2	6.7	8.2	9.8	11.6	14.4	16.0	16.7
62.5°	5.7	5.8	6.1	6.9	8.5	10.2	12.5	15.6	19.5	22.0	22.1
60°	5.7	5.8	6.8	8.3	10.2	12.3	15.4	19.7	25.2	29.3	26.7
57.5°	5.7	6.3	7.9	9.6	11.6	14.1	18.1	23.5	28.8	34.3	29.5
55°	6.0	7.2	8.8	10.5	12.8	15.5	19.7	24.2	30.0	31.7	26.1
52.5°	6.7	8.0	9.3	11.2	13.7	16.1	18.8	22.7	24.6	24.9	20.8
50°	7.4	8.3	9.6	11.7	14.1	15.8	16.4	18.7	18.9	17.1	14.9
47.5°	7.8	8.7	9.7	12.0	14.1	15.2	14.9	14.3	13.2	12.1	9.4
45°	8.1	9.0	10.0	12.2	14.0	14.4	13.1	10.4	10.8	9.6	8.9
42.5°	8.3	9.4	10.9	12.6	13.7	13.6	11.8	10.9	10.2	9.9	9.7
40°	8.6	9.7	11.9	13.4	13.8	13.4	13.4	12.8	11.0	11.7	11.8
37.5°	8.9	10.8	13.4	15.8	14.2	15.0	16.0	16.3	15.3	14.9	16.5
35°	9.1	12.0	16.5	19.0	17.6	18.1	20.3	21.2	21.3	21.3	22.4
32.5°	9.8	13.2	20.5	23.0	23.6	24.0	25.5	27.6	30.1	31.2	29.9
30°	11.4	16.9	25.1	27.7	30.7	34.9	33.9	35.5	41.1	43.4	45.5
27.5°	14.1	21.8	29.7	34.2	39.4	49.0	52.4	48.9	53.7	58.2	65.0
25°	17.0	34.0	34.9	41.5	53.3	67.8	77.0	81.0	70.4	78.3	96.5
22.5°	23.6	49.9	53.2	49.3	69.3	90.7	109.0	118.7	117.4	109.9	134.4
20°	35.2	66.1	74.7	76.2	91.5	117.1	145.5	162.0	177.7	205.1	276.9
17.5°	48.9	84.0	97.5	111.1	138.8	161.6	185.8	210.5	247.7	329.1	572.8
15°	64.0	103.3	121.3	149.0	190.3	228.3	257.9	280.0	345.8	516.3	947.3
12.5°	80.2	123.6	145.8	189.1	244.5	298.5	340.5	385.0	495.6	830.9	1542.8
10°	96.8	144.5	170.9	230.6	300.5	370.9	425.3	492.4	665.3	1187.1	2192.7
7.5°	115.2	166.8	196.4	272.6	357.2	444.2	511.3	600.5	838.4	1547.1	2846.7
5°	133.1	190.2	223.6	308.8	404.9	508.7	591.7	707.5	1009.7	1896.0	3482.2
2.5°	149.6	212.8	250.2	341.8	445.0	557.6	646.4	771.5	1128.3	2125.2	3950.0
0°	164.0	234.2	276.0	372.2	481.9	602.9	698.0	830.3	1224.0	2263.5	4229.6
-2.5°	169.5	242.4	286.6	379.9	487.1	610.6	707.4	835.4	1253.4	2319.6	4270.8
-5°	172.6	248.7	295.9	384.9	488.8	613.6	713.0	835.3	1246.0	2271.1	4070.0
-7.5°	173.6	253.0	303.7	385.5	479.6	593.9	685.1	791.5	1147.8	2070.3	3637.2
-10°	172.6	252.3	301.4	371.3	455.7	559.3	647.7	743.6	1034.6	1818.4	3155.8
-12.5°	169.5	247.7	296.8	356.3	430.8	522.1	608.5	692.5	908.8	1518.6	2660.1
-15°	165.2	242.2	292.1	341.0	405.9	483.1	568.0	639.0	778.0	1198.7	2168.1
-17.5°	160.2	236.2	287.4	326.0	381.4	442.7	528.5	594.3	681.5	994.8	1772.2
-20°	154.6	229.8	282.9	311.7	358.6	412.0	490.4	557.2	630.9	834.1	1347.6



REPORT NUMBER: P701449 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	148.8	223.2	276.5	303.8	343.6	390.8	452.1	518.0	579.6	656.6	987.2
-25°	145.9	213.6	266.9	298.4	329.7	370.3	415.0	476.9	531.9	605.9	796.6
-27.5°	144.5	204.5	255.6	292.3	316.1	351.6	388.6	436.4	499.4	564.8	633.9
-30°	141.1	191.1	243.9	283.9	307.4	336.3	367.3	407.9	468.1	528.5	589.5
-32.5°	132.9	176.8	228.9	270.4	299.5	322.0	352.1	389.3	437.7	493.0	547.9
-35°	122.2	164.3	211.9	257.0	290.5	312.3	339.6	371.6	409.4	459.1	517.7
-37.5°	111.5	150.5	194.1	240.8	275.8	304.6	326.4	355.4	388.3	427.7	485.3
-40°	99.5	135.3	177.0	220.8	261.8	293.4	317.7	339.7	368.1	406.7	448.0
-42.5°	86.7	120.7	159.0	200.0	240.8	276.9	307.8	328.5	352.6	386.1	423.8
-45°	75.8	104.9	139.8	177.6	216.0	255.8	288.7	318.8	340.8	366.2	399.7
-47.5°	64.3	88.9	120.7	153.8	190.0	227.2	265.6	297.6	328.6	351.8	375.5
-50°	53.5	75.6	100.0	130.7	162.6	197.4	233.1	271.0	303.6	333.6	359.4
-52.5°	46.3	61.6	83.2	107.5	136.2	166.3	199.8	234.5	270.4	304.5	331.3
-55°	38.4	51.4	66.7	87.2	110.3	136.9	165.6	197.6	229.2	262.6	293.3
-57.5°	30.8	42.0	53.9	68.3	87.7	108.5	133.9	160.5	189.4	218.0	242.4
-60°	23.3	33.0	43.6	54.3	66.2	84.4	102.9	125.3	149.8	173.6	195.0
-62.5°	16.5	24.4	33.6	43.2	52.9	62.2	77.1	93.8	110.6	130.6	149.4
-65°	13.7	17.0	23.8	32.3	41.0	49.7	58.2	66.4	80.3	94.5	107.7
-67.5°	10.8	13.8	17.0	21.2	28.9	36.6	44.7	52.2	59.6	66.7	75.0
-70°	9.6	10.8	13.3	16.1	19.0	22.9	29.7	36.7	44.0	51.3	57.6
-72.5°	8.7	9.8	11.0	12.1	14.4	16.9	19.3	21.6	26.1	32.4	38.8
-75°	7.9	8.8	9.9	10.9	11.9	12.9	14.1	16.2	18.3	20.4	22.6
-77.5°	7.3	7.8	8.6	9.6	10.5	11.2	12.0	13.0	13.9	15.0	16.1
-80°	6.6	6.8	7.2	7.7	8.5	9.2	9.9	10.6	11.3	12.0	12.8
-82.5°	6.1	6.2	6.4	6.5	6.8	7.2	7.7	8.3	8.7	9.1	9.5
-85°	5.7	5.7	5.8	5.9	6.0	6.2	6.4	6.6	6.7	6.9	7.0
-87.5°	5.5	5.4	5.3	5.2	5.2	5.3	5.3	5.3	5.4	5.4	5.5
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.2	4.0	3.7



REPORT NUMBER: P701449 (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°	4.5	5.1	5.6	6.2	6.8	7.3	7.9	8.5	9.0	9.6	10.2
87.5°	3.4	3.4	3.4	3.4	3.4	3.1	2.9	2.6	2.3	2.0	1.7
85°	4.1	4.0	3.8	3.6	3.4	3.1	2.9	2.6	2.3	2.0	1.7
82.5°	4.5	4.2	4.0	3.7	3.4	3.1	2.9	2.6	2.3	2.0	1.7
80°	4.5	4.3	4.0	3.7	3.4	3.2	2.9	2.6	2.3	2.0	1.7
77.5°	4.5	4.3	4.0	3.7	3.5	3.2	2.9	2.6	2.3	2.3	2.3
75°	4.6	4.4	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8
72.5°	6.3	6.2	6.1	5.9	5.6	5.3	5.1	4.8	4.4	4.1	3.9
70°	9.3	9.6	9.3	8.7	7.7	6.9	6.5	6.0	5.6	5.1	4.6
67.5°	12.9	12.9	12.0	10.8	9.2	7.7	7.1	6.5	6.0	5.6	5.6
65°	16.7	15.6	14.0	12.1	9.9	7.8	7.2	6.6	6.0	5.7	5.7
62.5°	20.9	17.5	14.1	11.6	9.6	7.8	7.0	6.2	5.4	4.8	4.7
60°	22.5	16.7	12.0	10.0	8.3	7.0	6.1	5.4	4.9	4.5	4.5
57.5°	21.8	14.9	9.7	8.1	6.8	6.0	5.3	4.8	4.2	3.8	3.6
55°	18.6	12.2	7.3	6.3	5.6	5.0	4.4	4.1	3.7	3.4	3.4
52.5°	13.7	9.3	6.5	5.5	5.2	4.8	4.5	4.4	4.3	4.1	4.0
50°	10.0	7.2	6.2	5.6	5.4	5.4	5.5	5.5	5.4	5.3	5.1
47.5°	8.1	7.1	6.4	5.7	5.9	6.4	6.6	6.6	6.6	6.4	6.3
45°	7.8	7.2	6.9	7.3	7.6	7.9	7.9	7.8	8.1	8.2	8.1
42.5°	8.6	8.7	9.4	10.0	9.6	10.2	10.9	10.9	11.4	11.8	11.8
40°	12.1	11.9	13.6	14.2	14.4	15.0	17.0	16.8	17.7	20.1	20.5
37.5°	17.5	18.4	19.6	20.7	23.7	25.7	29.5	32.5	34.1	38.6	42.2
35°	24.7	27.1	27.8	33.8	40.0	45.8	51.0	57.4	60.1	70.2	77.2
32.5°	34.9	40.0	46.8	56.8	68.5	82.4	81.8	103.0	110.7	131.4	155.2
30°	48.8	63.0	85.6	101.3	130.1	152.7	164.2	197.3	241.7	284.2	342.1
27.5°	79.4	109.3	150.2	204.1	232.2	266.4	317.9	357.5	459.0	556.0	627.2
25°	136.5	199.4	276.5	356.1	406.0	450.7	545.0	614.1	758.1	866.2	1020.4
22.5°	261.2	395.3	492.9	552.1	659.1	799.0	866.9	1057.0	1270.5	1543.1	1768.3
20°	440.1	651.1	868.7	1001.6	1123.8	1432.7	1568.0	1924.2	2378.0	2890.9	3318.5
17.5°	861.2	1054.0	1496.9	1928.6	2253.3	2558.2	3414.1	4025.4	5212.0	6664.2	7334.0
15°	1545.2	2084.2	2601.2	3384.1	4212.6	5134.5	6477.5	8796.1	11708.4	14884.0	18318.9
12.5°	2505.1	3489.0	4413.7	5399.2	6585.3	8850.4	11912.5	15962.1	21194.9	26809.2	33291.7
10°	3583.4	5080.9	6431.5	7919.4	10025.5	13390.5	17929.2	24176.4	33495.2	43020.6	51283.1
7.5°	4549.1	6362.7	8194.6	10348.3	13686.8	18492.7	25022.5	34776.7	46946.1	58734.0	68785.1
5°	5474.4	7593.1	9681.2	12248.1	16455.6	22727.9	31178.6	44560.3	59944.5	73024.1	84039.6
2.5°	6195.5	8555.8	10945.4	13964.3	18764.7	25901.2	35499.6	51696.3	70264.4	84770.2	97365.8
0°	6608.5	8872.1	11465.9	14593.7	20117.4	27891.1	37734.9	54981.3	73473.2	89593.5	101902.7
-2.5°	6527.6	8899.5	11551.4	14715.5	19951.2	27414.5	37118.4	53570.2	71975.3	86507.5	98435.0
-5°	6115.5	8285.6	10623.6	13399.7	18019.4	24820.1	34347.8	49808.1	66889.0	81424.8	93547.2
-7.5°	5472.9	7391.9	9427.2	11843.5	15750.5	21668.0	29857.8	41895.5	57029.3	70194.2	79280.1
-10°	4771.6	6460.1	8296.8	10483.4	13565.0	18204.0	24409.3	33105.0	45482.6	56452.5	64880.5
-12.5°	4106.6	5641.7	7239.4	9065.2	11397.7	15051.5	19767.7	26259.8	34238.6	43256.1	51864.7
-15°	3468.9	4816.9	6211.1	7901.2	9929.7	12408.6	15579.1	19947.1	25189.2	31099.4	37475.0
-17.5°	2861.8	4045.4	5357.1	6832.9	8509.1	10403.1	13062.1	16057.3	19385.2	23236.1	26887.2
-20°	2245.1	3338.8	4529.1	5842.9	7346.8	9073.3	10965.4	13215.3	15622.9	18254.0	20985.2



REPORT NUMBER: P701449 (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°	1713.5	2645.5	3686.9	4883.0	6294.9	7816.9	9284.4	10761.2	12542.5	14277.7	16020.5
-25°	1199.9	1938.9	2911.3	4054.7	5253.6	6525.6	7614.8	8655.7	9892.7	11005.2	12163.7
-27.5°	882.5	1390.3	2194.4	3208.5	4283.6	5156.1	6073.2	6927.0	7822.7	8528.8	9344.8
-30°	672.9	965.3	1562.9	2353.9	3216.5	3976.7	4684.5	5457.7	6194.1	6807.1	7320.1
-32.5°	613.8	725.2	1027.6	1578.7	2202.2	2876.8	3489.1	4162.2	4780.0	5289.8	5698.2
-35°	576.8	637.2	725.4	1003.6	1369.2	1901.8	2412.7	2963.9	3476.0	3896.6	4234.8
-37.5°	545.2	598.3	650.3	702.6	904.0	1128.6	1497.4	1896.3	2242.3	2626.9	2927.1
-40°	506.1	565.6	607.7	650.6	699.0	755.2	949.8	1124.5	1320.1	1591.7	1816.5
-42.5°	463.1	513.4	565.8	607.8	645.1	684.8	728.9	772.5	862.5	976.7	1069.6
-45°	435.0	468.1	506.1	553.9	597.5	630.5	663.3	695.0	725.1	752.1	774.7
-47.5°	404.6	432.7	463.6	496.4	528.7	565.4	599.8	628.6	651.4	673.2	692.6
-50°	377.5	398.3	424.4	449.9	475.3	501.4	527.1	549.3	571.3	591.2	610.5
-52.5°	355.7	373.2	390.3	407.4	428.1	448.2	467.2	484.3	499.9	513.5	527.7
-55°	318.9	340.9	362.7	378.0	391.1	403.7	416.2	430.4	442.8	453.4	463.4
-57.5°	268.8	295.5	319.9	337.7	354.6	370.5	381.5	389.7	397.5	405.0	411.8
-60°	215.8	235.8	259.1	282.0	303.1	322.2	334.6	345.1	353.9	361.4	368.0
-62.5°	166.7	183.9	202.9	221.4	238.4	255.2	271.6	285.9	298.1	308.5	317.0
-65°	121.4	136.4	152.6	168.3	183.3	198.0	211.6	224.0	235.1	245.2	254.4
-67.5°	86.5	97.5	109.2	119.8	131.7	144.7	157.5	169.0	179.2	187.2	193.2
-70°	63.6	69.8	77.6	86.7	96.6	105.8	115.0	123.9	132.3	139.5	146.0
-72.5°	45.2	51.6	57.8	63.5	69.7	75.8	82.0	88.5	95.1	100.7	105.5
-75°	24.8	28.0	33.2	38.2	43.1	47.8	52.0	55.7	58.8	61.5	63.8
-77.5°	17.6	19.7	21.9	24.0	26.0	28.4	31.1	33.7	36.3	38.3	40.2
-80°	13.6	14.7	16.0	17.4	18.8	20.5	22.2	24.0	25.7	27.0	28.2
-82.5°	9.9	10.8	11.7	12.5	13.4	14.5	15.5	16.6	17.6	18.3	19.0
-85°	7.1	7.7	8.3	8.9	9.5	10.5	11.5	12.4	13.3	14.0	14.6
-87.5°	5.5	5.8	6.2	6.5	6.8	7.6	8.5	9.3	10.2	10.5	10.7
-90°	3.4	3.4	3.4	3.4	3.4	3.1	2.9	2.6	2.3	2.0	1.7



REPORT NUMBER: P701449 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	10.7	11.3	11.3	11.3	11.3	11.3	10.7	10.2	9.6	9.0	8.5
87.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.3	2.6
85°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.3	2.6
82.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.3	2.6
80°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.3	2.6
77.5°	2.3	2.3	1.7	1.1	1.7	2.3	2.3	2.3	2.3	2.3	2.6
75°	2.6	2.3	1.7	1.1	1.7	2.3	2.6	2.8	3.0	3.2	3.4
72.5°	3.6	3.4	3.4	3.4	3.4	3.4	3.6	3.9	4.1	4.4	4.8
70°	4.1	3.5	3.4	3.4	3.4	3.5	4.1	4.6	5.1	5.6	6.0
67.5°	5.6	5.6	5.7	5.7	5.7	5.6	5.6	5.6	5.6	6.0	6.5
65°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.0	6.6
62.5°	4.6	4.6	4.5	4.5	4.5	4.6	4.6	4.7	4.8	5.4	6.2
60°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.9	5.4
57.5°	3.5	3.5	3.4	3.4	3.4	3.5	3.5	3.6	3.8	4.2	4.8
55°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.7	4.1
52.5°	3.8	3.5	3.4	3.4	3.4	3.5	3.8	4.0	4.1	4.3	4.4
50°	4.9	4.6	4.5	4.5	4.5	4.6	4.9	5.1	5.3	5.4	5.5
47.5°	6.1	5.8	5.7	5.7	5.7	5.8	6.1	6.3	6.4	6.6	6.6
45°	7.7	7.1	6.8	6.8	6.8	7.1	7.7	8.1	8.2	8.1	7.8
42.5°	11.7	11.4	11.2	11.3	11.2	11.4	11.7	11.8	11.8	11.4	10.9
40°	21.5	22.1	22.3	22.6	22.3	22.1	21.5	20.5	20.1	17.7	16.8
37.5°	44.1	43.3	41.4	41.9	41.4	43.3	44.1	42.2	38.6	34.1	32.5
35°	81.8	86.7	90.2	92.8	90.2	86.7	81.8	77.2	70.2	60.1	57.4
32.5°	164.0	170.7	168.7	165.2	168.7	170.7	164.0	155.2	131.4	110.7	103.0
30°	376.3	396.0	390.7	367.6	390.7	396.0	376.3	342.1	284.2	241.7	197.3
27.5°	678.4	725.8	756.8	740.9	756.8	725.8	678.4	627.2	556.0	459.0	357.5
25°	1153.4	1245.6	1311.6	1283.9	1311.6	1245.6	1153.4	1020.4	866.2	758.1	614.1
22.5°	2050.8	2202.2	2292.1	2315.6	2292.1	2202.2	2050.8	1768.3	1543.1	1270.5	1057.0
20°	3856.3	3977.0	4000.9	3941.1	4000.9	3977.0	3856.3	3318.5	2890.9	2378.0	1924.2
17.5°	9278.7	9836.0	9427.5	8998.8	9427.5	9836.0	9278.7	7334.0	6664.2	5212.0	4025.4
15°	21225.5	23578.9	24919.6	25193.2	24919.6	23578.9	21225.5	18318.9	14884.0	11708.4	8796.1
12.5°	37400.5	41193.2	42758.3	42612.1	42758.3	41193.2	37400.5	33291.7	26809.2	21194.9	15962.1
10°	56583.1	60638.0	64126.8	64162.2	64126.8	60638.0	56583.1	51283.1	43020.6	33495.2	24176.4
7.5°	75761.4	80437.7	83720.0	84656.4	83720.0	80437.7	75761.4	68785.1	58734.0	46946.1	34776.7
5°	92550.7	98340.3	101598.8	102593.9	101598.8	98340.3	92550.7	84039.6	73024.1	59944.5	44560.3
2.5°	107312.0	114404.4	117978.2	118533.8	117978.2	114404.4	107312.0	97365.8	84770.2	70264.4	51696.3
0°	111373.2	117695.5	122323.9	123971.5	122323.9	117695.5	111373.2	101902.7	89593.5	73473.2	54981.3
-2.5°	107369.4	112900.7	115659.2	116809.8	115659.2	112900.7	107369.4	98435.0	86507.5	71975.3	53570.2
-5°	101040.5	106202.6	109715.7	110529.3	109715.7	106202.6	101040.5	93547.2	81424.8	66889.0	49808.1
-7.5°	85272.8	90353.7	91932.2	93721.8	91932.2	90353.7	85272.8	79280.1	70194.2	57029.3	41895.5
-10°	71247.0	75199.6	76286.7	77554.6	76286.7	75199.6	71247.0	64880.5	56452.5	45482.6	33105.0
-12.5°	58950.8	62866.0	64638.4	66155.4	64638.4	62866.0	58950.8	51864.7	43256.1	34238.6	26259.8
-15°	43189.5	46869.3	48140.4	48961.0	48140.4	46869.3	43189.5	37475.0	31099.4	25189.2	19947.1
-17.5°	31285.7	34088.2	35753.6	36719.1	35753.6	34088.2	31285.7	26887.2	23236.1	19385.2	16057.3
-20°	23386.0	24992.0	26282.1	26423.9	26282.1	24992.0	23386.0	20985.2	18254.0	15622.9	13215.3



REPORT NUMBER: P701449 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	17480.6	18437.2	19031.1	18995.3	19031.1	18437.2	17480.6	16020.5	14277.7	12542.5	10761.2
-25°	13047.2	13690.3	14099.4	14172.9	14099.4	13690.3	13047.2	12163.7	11005.2	9892.7	8655.7
-27.5°	9928.9	10381.7	10616.3	10628.8	10616.3	10381.7	9928.9	9344.8	8528.8	7822.7	6927.0
-30°	7692.4	8069.6	8319.8	8511.2	8319.8	8069.6	7692.4	7320.1	6807.1	6194.1	5457.7
-32.5°	6041.4	6363.3	6581.6	6711.5	6581.6	6363.3	6041.4	5698.2	5289.8	4780.0	4162.2
-35°	4529.2	4787.0	4941.3	4902.7	4941.3	4787.0	4529.2	4234.8	3896.6	3476.0	2963.9
-37.5°	3191.5	3410.1	3565.6	3664.0	3565.6	3410.1	3191.5	2927.1	2626.9	2242.3	1896.3
-40°	2011.0	2162.1	2269.6	2338.2	2269.6	2162.1	2011.0	1816.5	1591.7	1320.1	1124.5
-42.5°	1145.3	1201.8	1239.9	1260.2	1239.9	1201.8	1145.3	1069.6	976.7	862.5	772.5
-45°	792.1	806.2	816.4	822.4	816.4	806.2	792.1	774.7	752.1	725.1	695.0
-47.5°	707.9	719.4	727.0	730.8	727.0	719.4	707.9	692.6	673.2	651.4	628.6
-50°	628.0	642.2	650.7	653.8	650.7	642.2	628.0	610.5	591.2	571.3	549.3
-52.5°	541.1	552.6	560.3	564.5	560.3	552.6	541.1	527.7	513.5	499.9	484.3
-55°	472.2	479.5	483.3	484.2	483.3	479.5	472.2	463.4	453.4	442.8	430.4
-57.5°	417.6	422.3	426.0	428.7	426.0	422.3	417.6	411.8	405.0	397.5	389.7
-60°	373.3	377.4	379.5	380.1	379.5	377.4	373.3	368.0	361.4	353.9	345.1
-62.5°	323.6	328.5	332.2	334.8	332.2	328.5	323.6	317.0	308.5	298.1	285.9
-65°	262.8	270.2	274.1	276.0	274.1	270.2	262.8	254.4	245.2	235.1	224.0
-67.5°	198.0	201.8	202.7	202.5	202.7	201.8	198.0	193.2	187.2	179.2	169.0
-70°	152.1	157.6	159.7	160.6	159.7	157.6	152.1	146.0	139.5	132.3	123.9
-72.5°	110.0	113.9	116.1	117.6	116.1	113.9	110.0	105.5	100.7	95.1	88.5
-75°	65.7	67.3	68.3	69.0	68.3	67.3	65.7	63.8	61.5	58.8	55.7
-77.5°	42.0	43.8	44.6	45.2	44.6	43.8	42.0	40.2	38.3	36.3	33.7
-80°	29.3	30.3	30.5	30.5	30.5	30.3	29.3	28.2	27.0	25.7	24.0
-82.5°	19.7	20.3	20.4	20.4	20.4	20.3	19.7	19.0	18.3	17.6	16.6
-85°	15.2	15.8	15.8	15.8	15.8	15.8	15.2	14.6	14.0	13.3	12.4
-87.5°	11.0	11.3	11.8	12.4	11.8	11.3	11.0	10.7	10.5	10.2	9.3
-90°	1.4	1.1	0.6	0.0	0.6	1.1	1.4	1.7	2.0	2.3	2.6



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.9	7.3	6.8	6.2	5.6	5.1	4.5	4.5	4.5	4.5	4.5
87.5°	2.9	3.1	3.4	3.4	3.4	3.4	3.4	3.7	4.0	4.2	4.5
85°	2.9	3.1	3.4	3.6	3.8	4.0	4.1	4.2	4.2	4.4	4.5
82.5°	2.9	3.1	3.4	3.7	4.0	4.2	4.5	4.5	4.5	4.5	4.5
80°	2.9	3.2	3.4	3.7	4.0	4.3	4.5	4.5	4.5	4.5	4.5
77.5°	2.9	3.2	3.5	3.7	4.0	4.3	4.5	4.5	4.5	4.5	4.5
75°	3.6	3.8	4.0	4.2	4.4	4.4	4.6	4.8	4.9	4.9	4.8
72.5°	5.1	5.3	5.6	5.9	6.1	6.2	6.3	6.1	6.0	5.8	5.6
70°	6.5	6.9	7.7	8.7	9.3	9.6	9.3	8.6	7.9	7.5	6.9
67.5°	7.1	7.7	9.2	10.8	12.0	12.9	12.9	12.2	11.3	10.4	8.8
65°	7.2	7.8	9.9	12.1	14.0	15.6	16.7	16.7	16.0	14.4	11.6
62.5°	7.0	7.8	9.6	11.6	14.1	17.5	20.9	22.1	22.0	19.5	15.6
60°	6.1	7.0	8.3	10.0	12.0	16.7	22.5	26.7	29.3	25.2	19.7
57.5°	5.3	6.0	6.8	8.1	9.7	14.9	21.8	29.5	34.3	28.8	23.5
55°	4.4	5.0	5.6	6.3	7.3	12.2	18.6	26.1	31.7	30.0	24.2
52.5°	4.5	4.8	5.2	5.5	6.5	9.3	13.7	20.8	24.9	24.6	22.7
50°	5.5	5.4	5.4	5.6	6.2	7.2	10.0	14.9	17.1	18.9	18.7
47.5°	6.6	6.4	5.9	5.7	6.4	7.1	8.1	9.4	12.1	13.2	14.3
45°	7.9	7.9	7.6	7.3	6.9	7.2	7.8	8.9	9.6	10.8	10.4
42.5°	10.9	10.2	9.6	10.0	9.4	8.7	8.6	9.7	9.9	10.2	10.9
40°	17.0	15.0	14.4	14.2	13.6	11.9	12.1	11.8	11.7	11.0	12.8
37.5°	29.5	25.7	23.7	20.7	19.6	18.4	17.5	16.5	14.9	15.3	16.3
35°	51.0	45.8	40.0	33.8	27.8	27.1	24.7	22.4	21.3	21.3	21.2
32.5°	81.8	82.4	68.5	56.8	46.8	40.0	34.9	29.9	31.2	30.1	27.6
30°	164.2	152.7	130.1	101.3	85.6	63.0	48.8	45.5	43.4	41.1	35.5
27.5°	317.9	266.4	232.2	204.1	150.2	109.3	79.4	65.0	58.2	53.7	48.9
25°	545.0	450.7	406.0	356.1	276.5	199.4	136.5	96.5	78.3	70.4	81.0
22.5°	866.9	799.0	659.1	552.1	492.9	395.3	261.2	134.4	109.9	117.4	118.7
20°	1568.0	1432.7	1123.8	1001.6	868.7	651.1	440.1	276.9	205.1	177.7	162.0
17.5°	3414.1	2558.2	2253.3	1928.6	1496.9	1054.0	861.2	572.8	329.1	247.7	210.5
15°	6477.5	5134.5	4212.6	3384.1	2601.2	2084.2	1545.2	947.3	516.3	345.8	280.0
12.5°	11912.5	8850.4	6585.3	5399.2	4413.7	3489.0	2505.1	1542.8	830.9	495.6	385.0
10°	17929.2	13390.5	10025.5	7919.4	6431.5	5080.9	3583.4	2192.7	1187.1	665.3	492.4
7.5°	25022.5	18492.7	13686.8	10348.3	8194.6	6362.7	4549.1	2846.7	1547.1	838.4	600.5
5°	31178.6	22727.9	16455.6	12248.1	9681.2	7593.1	5474.4	3482.2	1896.0	1009.7	707.5
2.5°	35499.6	25901.2	18764.7	13964.3	10945.4	8555.8	6195.5	3950.0	2125.2	1128.3	771.5
0°	37734.9	27891.1	20117.4	14593.7	11465.9	8872.1	6608.5	4229.6	2263.5	1224.0	830.3
-2.5°	37118.4	27414.5	19951.2	14715.5	11551.4	8899.5	6527.6	4270.8	2319.6	1253.4	835.4
-5°	34347.8	24820.1	18019.4	13399.7	10623.6	8285.6	6115.5	4070.0	2271.1	1246.0	835.3
-7.5°	29857.8	21668.0	15750.5	11843.5	9427.2	7391.9	5472.9	3637.2	2070.3	1147.8	791.5
-10°	24409.3	18204.0	13565.0	10483.4	8296.8	6460.1	4771.6	3155.8	1818.4	1034.6	743.6
-12.5°	19767.7	15051.5	11397.7	9065.2	7239.4	5641.7	4106.6	2660.1	1518.6	908.8	692.5
-15°	15579.1	12408.6	9929.7	7901.2	6211.1	4816.9	3468.9	2168.1	1198.7	778.0	639.0
-17.5°	13062.1	10403.1	8509.1	6832.9	5357.1	4045.4	2861.8	1772.2	994.8	681.5	594.3
-20°	10965.4	9073.3	7346.8	5842.9	4529.1	3338.8	2245.1	1347.6	834.1	630.9	557.2



REPORT NUMBER: P701449 (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°	9284.4	7816.9	6294.9	4883.0	3686.9	2645.5	1713.5	987.2	656.6	579.6	518.0
-25°	7614.8	6525.6	5253.6	4054.7	2911.3	1938.9	1199.9	796.6	605.9	531.9	476.9
-27.5°	6073.2	5156.1	4283.6	3208.5	2194.4	1390.3	882.5	633.9	564.8	499.4	436.4
-30°	4684.5	3976.7	3216.5	2353.9	1562.9	965.3	672.9	589.5	528.5	468.1	407.9
-32.5°	3489.1	2876.8	2202.2	1578.7	1027.6	725.2	613.8	547.9	493.0	437.7	389.3
-35°	2412.7	1901.8	1369.2	1003.6	725.4	637.2	576.8	517.7	459.1	409.4	371.6
-37.5°	1497.4	1128.6	904.0	702.6	650.3	598.3	545.2	485.3	427.7	388.3	355.4
-40°	949.8	755.2	699.0	650.6	607.7	565.6	506.1	448.0	406.7	368.1	339.7
-42.5°	728.9	684.8	645.1	607.8	565.8	513.4	463.1	423.8	386.1	352.6	328.5
-45°	663.3	630.5	597.5	553.9	506.1	468.1	435.0	399.7	366.2	340.8	318.8
-47.5°	599.8	565.4	528.7	496.4	463.6	432.7	404.6	375.5	351.8	328.6	297.6
-50°	527.1	501.4	475.3	449.9	424.4	398.3	377.5	359.4	333.6	303.6	271.0
-52.5°	467.2	448.2	428.1	407.4	390.3	373.2	355.7	331.3	304.5	270.4	234.5
-55°	416.2	403.7	391.1	378.0	362.7	340.9	318.9	293.3	262.6	229.2	197.6
-57.5°	381.5	370.5	354.6	337.7	319.9	295.5	268.8	242.4	218.0	189.4	160.5
-60°	334.6	322.2	303.1	282.0	259.1	235.8	215.8	195.0	173.6	149.8	125.3
-62.5°	271.6	255.2	238.4	221.4	202.9	183.9	166.7	149.4	130.6	110.6	93.8
-65°	211.6	198.0	183.3	168.3	152.6	136.4	121.4	107.7	94.5	80.3	66.4
-67.5°	157.5	144.7	131.7	119.8	109.2	97.5	86.5	75.0	66.7	59.6	52.2
-70°	115.0	105.8	96.6	86.7	77.6	69.8	63.6	57.6	51.3	44.0	36.7
-72.5°	82.0	75.8	69.7	63.5	57.8	51.6	45.2	38.8	32.4	26.1	21.6
-75°	52.0	47.8	43.1	38.2	33.2	28.0	24.8	22.6	20.4	18.3	16.2
-77.5°	31.1	28.4	26.0	24.0	21.9	19.7	17.6	16.1	15.0	13.9	13.0
-80°	22.2	20.5	18.8	17.4	16.0	14.7	13.6	12.8	12.0	11.3	10.6
-82.5°	15.5	14.5	13.4	12.5	11.7	10.8	9.9	9.5	9.1	8.7	8.3
-85°	11.5	10.5	9.5	8.9	8.3	7.7	7.1	7.0	6.9	6.7	6.6
-87.5°	8.5	7.6	6.8	6.5	6.2	5.8	5.5	5.5	5.4	5.4	5.3
-90°	2.9	3.1	3.4	3.4	3.4	3.4	3.4	3.7	4.0	4.2	4.5



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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°	4.5	4.5	4.5	4.5	4.8	5.1	5.4	5.7	5.4	5.1	4.8
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.7	4.8
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.7	4.9	5.0
82.5°	4.5	4.5	4.5	4.5	4.7	4.8	4.9	4.8	4.9	5.1	5.3
80°	4.5	4.5	4.5	4.5	4.8	5.1	5.3	5.3	5.3	5.3	5.5
77.5°	4.5	4.5	4.5	4.6	4.9	5.2	5.5	5.7	5.6	5.5	5.6
75°	4.5	4.5	4.5	4.6	4.9	5.2	5.5	5.7	5.7	5.7	5.7
72.5°	5.3	5.0	4.8	4.7	4.9	5.2	5.5	5.7	5.7	5.7	5.7
70°	6.3	5.8	5.5	5.2	5.2	5.3	5.6	5.7	5.7	5.7	5.7
67.5°	7.4	6.7	6.1	5.8	5.5	5.5	5.6	5.7	5.7	5.7	5.7
65°	9.8	8.2	6.7	6.2	5.8	5.7	5.7	5.7	5.7	5.7	5.7
62.5°	12.5	10.2	8.5	6.9	6.1	5.8	5.7	5.7	5.7	5.7	5.7
60°	15.4	12.3	10.2	8.3	6.8	5.8	5.7	5.7	5.7	5.7	5.7
57.5°	18.1	14.1	11.6	9.6	7.9	6.3	5.7	5.7	5.7	5.7	5.7
55°	19.7	15.5	12.8	10.5	8.8	7.2	6.0	5.7	5.7	5.7	5.7
52.5°	18.8	16.1	13.7	11.2	9.3	8.0	6.7	5.7	5.7	5.7	5.7
50°	16.4	15.8	14.1	11.7	9.6	8.3	7.4	6.2	5.7	5.7	5.8
47.5°	14.9	15.2	14.1	12.0	9.7	8.7	7.8	6.7	5.7	5.7	5.8
45°	13.1	14.4	14.0	12.2	10.0	9.0	8.1	7.1	6.0	5.8	5.9
42.5°	11.8	13.6	13.7	12.6	10.9	9.4	8.3	7.4	6.3	5.8	6.0
40°	13.4	13.4	13.8	13.4	11.9	9.7	8.6	7.6	6.6	6.0	6.1
37.5°	16.0	15.0	14.2	15.8	13.4	10.8	8.9	7.8	7.0	6.3	6.2
35°	20.3	18.1	17.6	19.0	16.5	12.0	9.1	8.0	7.5	6.6	6.2
32.5°	25.5	24.0	23.6	23.0	20.5	13.2	9.8	8.8	8.1	6.9	6.3
30°	33.9	34.9	30.7	27.7	25.1	16.9	11.4	9.8	8.8	7.2	6.4
27.5°	52.4	49.0	39.4	34.2	29.7	21.8	14.1	10.9	9.6	7.6	6.6
25°	77.0	67.8	53.3	41.5	34.9	34.0	17.0	12.1	10.5	8.2	6.9
22.5°	109.0	90.7	69.3	49.3	53.2	49.9	23.6	14.5	11.5	8.9	7.1
20°	145.5	117.1	91.5	76.2	74.7	66.1	35.2	17.1	12.5	9.6	7.3
17.5°	185.8	161.6	138.8	111.1	97.5	84.0	48.9	19.7	13.6	10.3	7.5
15°	257.9	228.3	190.3	149.0	121.3	103.3	64.0	22.5	14.7	11.0	7.8
12.5°	340.5	298.5	244.5	189.1	145.8	123.6	80.2	25.2	15.9	12.0	8.4
10°	425.3	370.9	300.5	230.6	170.9	144.5	96.8	28.8	18.2	13.3	9.0
7.5°	511.3	444.2	357.2	272.6	196.4	166.8	115.2	34.2	20.8	14.6	9.6
5°	591.7	508.7	404.9	308.8	223.6	190.2	133.1	39.6	23.3	15.8	10.2
2.5°	646.4	557.6	445.0	341.8	250.2	212.8	149.6	44.8	25.9	17.0	10.7
0°	698.0	602.9	481.9	372.2	276.0	234.2	164.0	49.8	28.3	18.1	11.3
-2.5°	707.4	610.6	487.1	379.9	286.6	242.4	169.5	58.8	34.3	21.3	12.9
-5°	713.0	613.6	488.8	384.9	295.9	248.7	172.6	67.2	39.9	24.4	14.4
-7.5°	685.1	593.9	479.6	385.5	303.7	253.0	173.6	74.8	45.1	27.2	15.8
-10°	647.7	559.3	455.7	371.3	301.4	252.3	172.6	81.4	49.7	29.6	17.0
-12.5°	608.5	522.1	430.8	356.3	296.8	247.7	169.5	87.4	53.6	31.7	18.1
-15°	568.0	483.1	405.9	341.0	292.1	242.2	165.2	92.3	57.4	33.6	18.9
-17.5°	528.5	442.7	381.4	326.0	287.4	236.2	160.2	95.9	60.3	35.4	19.9
-20°	490.4	412.0	358.6	311.7	282.9	229.8	154.6	98.2	62.2	36.5	20.7



REPORT NUMBER: P701449 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	452.1	390.8	343.6	303.8	276.5	223.2	148.8	99.1	63.0	36.9	21.3
-25°	415.0	370.3	329.7	298.4	266.9	213.6	145.9	98.4	62.7	36.5	21.6
-27.5°	388.6	351.6	316.1	292.3	255.6	204.5	144.5	97.8	61.6	35.3	21.6
-30°	367.3	336.3	307.4	283.9	243.9	191.1	141.1	95.7	60.2	34.5	21.2
-32.5°	352.1	322.0	299.5	270.4	228.9	176.8	132.9	92.0	57.5	34.0	20.7
-35°	339.6	312.3	290.5	257.0	211.9	164.3	122.2	86.6	53.7	33.0	19.8
-37.5°	326.4	304.6	275.8	240.8	194.1	150.5	111.5	78.0	48.6	31.5	18.6
-40°	317.7	293.4	261.8	220.8	177.0	135.3	99.5	69.4	45.3	29.5	17.0
-42.5°	307.8	276.9	240.8	200.0	159.0	120.7	86.7	60.2	41.6	27.2	15.0
-45°	288.7	255.8	216.0	177.6	139.8	104.9	75.8	51.1	37.2	24.5	13.3
-47.5°	265.6	227.2	190.0	153.8	120.7	88.9	64.3	45.7	32.5	21.3	12.2
-50°	233.1	197.4	162.6	130.7	100.0	75.6	53.5	39.8	27.8	17.2	10.8
-52.5°	199.8	166.3	136.2	107.5	83.2	61.6	46.3	33.4	22.8	14.4	9.3
-55°	165.6	136.9	110.3	87.2	66.7	51.4	38.4	27.4	17.5	12.3	7.8
-57.5°	133.9	108.5	87.7	68.3	53.9	42.0	30.8	21.1	14.4	10.2	7.9
-60°	102.9	84.4	66.2	54.3	43.6	33.0	23.3	15.8	12.0	8.4	7.9
-62.5°	77.1	62.2	52.9	43.2	33.6	24.4	16.5	13.2	9.6	8.3	7.9
-65°	58.2	49.7	41.0	32.3	23.8	17.0	13.7	10.5	8.8	8.1	7.8
-67.5°	44.7	36.6	28.9	21.2	17.0	13.8	10.8	9.3	8.4	7.9	7.5
-70°	29.7	22.9	19.0	16.1	13.3	10.8	9.6	8.5	7.9	7.6	7.2
-72.5°	19.3	16.9	14.4	12.1	11.0	9.8	8.7	7.8	7.5	7.2	6.9
-75°	14.1	12.9	11.9	10.9	9.9	8.8	7.9	7.4	7.1	6.8	6.6
-77.5°	12.0	11.2	10.5	9.6	8.6	7.8	7.3	6.9	6.7	6.5	6.2
-80°	9.9	9.2	8.5	7.7	7.2	6.8	6.6	6.5	6.3	6.1	5.9
-82.5°	7.7	7.2	6.8	6.5	6.4	6.2	6.1	6.0	5.9	5.7	5.6
-85°	6.4	6.2	6.0	5.9	5.8	5.7	5.7	5.7	5.6	5.5	5.3
-87.5°	5.3	5.3	5.2	5.2	5.3	5.4	5.5	5.7	5.5	5.3	5.1
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5



REPORT NUMBER: P701449 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.5	4.8	5.1	5.4	5.7	5.1	4.5
87.5°	4.8	4.8	4.7	4.7	4.6	4.6	4.5
85°	5.1	5.0	4.9	4.8	4.7	4.6	4.5
82.5°	5.4	5.3	5.1	5.0	4.8	4.7	4.5
80°	5.7	5.5	5.3	5.1	4.9	4.7	4.5
77.5°	5.7	5.7	5.5	5.3	5.0	4.8	4.5
75°	5.7	5.7	5.7	5.4	5.1	4.8	4.5
72.5°	5.7	5.7	5.7	5.6	5.2	4.9	4.5
70°	5.7	5.7	5.7	5.7	5.3	4.9	4.5
67.5°	5.7	5.7	5.7	5.7	5.4	5.0	4.5
65°	5.7	5.7	5.7	5.7	5.5	5.0	4.5
62.5°	5.7	5.7	5.7	5.7	5.6	5.1	4.5
60°	5.7	5.7	5.7	5.7	5.7	5.1	4.5
57.5°	5.7	5.7	5.7	5.7	5.7	5.1	4.5
55°	5.7	5.7	5.7	5.7	5.7	5.2	4.5
52.5°	5.7	5.7	5.7	5.7	5.7	5.2	4.5
50°	5.7	5.7	5.7	5.7	5.7	5.3	4.5
47.5°	5.7	5.7	5.7	5.7	5.7	5.3	4.5
45°	5.8	5.7	5.7	5.7	5.7	5.3	4.5
42.5°	5.9	5.7	5.7	5.7	5.7	5.4	4.5
40°	6.0	5.7	5.7	5.7	5.7	5.4	4.5
37.5°	6.2	5.7	5.7	5.7	5.7	5.5	4.5
35°	6.3	5.8	5.7	5.7	5.7	5.5	4.5
32.5°	6.4	5.9	5.7	5.7	5.7	5.5	4.5
30°	6.5	6.0	5.7	5.7	5.7	5.5	4.5
27.5°	6.6	6.1	5.7	5.7	5.7	5.6	4.5
25°	6.6	6.3	5.7	5.7	5.7	5.6	4.5
22.5°	6.7	6.4	5.7	5.7	5.7	5.6	4.5
20°	6.8	6.5	5.7	5.7	5.7	5.6	4.5
17.5°	6.9	6.5	5.7	5.7	5.7	5.6	4.5
15°	7.0	6.6	5.7	5.7	5.7	5.7	4.5
12.5°	7.1	6.7	5.7	5.7	5.7	5.7	4.5
10°	7.3	6.7	5.7	5.7	5.7	5.7	4.5
7.5°	7.4	6.8	5.7	5.7	5.7	5.7	4.5
5°	7.6	6.8	5.7	5.7	5.7	5.7	4.5
2.5°	7.7	6.8	5.7	5.7	5.7	5.7	4.5
0°	7.9	6.8	5.7	5.7	5.7	5.7	4.5
-2.5°	8.7	6.9	5.7	5.7	5.7	5.7	4.5
-5°	9.4	7.0	5.7	5.7	5.7	5.7	4.5
-7.5°	10.0	7.1	5.7	5.7	5.7	5.7	4.5
-10°	10.6	7.2	5.7	5.7	5.7	5.7	4.5
-12.5°	11.1	7.2	5.7	5.7	5.7	5.7	4.5
-15°	11.4	7.2	5.7	5.7	5.7	5.7	4.5
-17.5°	11.6	7.2	5.7	5.7	5.7	5.7	4.5
-20°	11.8	7.1	5.7	5.7	5.7	5.6	4.5



REPORT NUMBER: P701449 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	12.1	7.0	5.7	5.7	5.7	5.6	4.5
-25°	12.1	7.0	5.7	5.7	5.7	5.6	4.5
-27.5°	11.9	7.0	5.7	5.7	5.7	5.6	4.5
-30°	11.5	6.9	5.7	5.7	5.7	5.6	4.5
-32.5°	10.8	6.8	5.8	5.7	5.7	5.6	4.5
-35°	10.4	6.5	5.9	5.7	5.7	5.5	4.5
-37.5°	10.1	6.3	5.9	5.7	5.7	5.5	4.5
-40°	9.6	6.4	6.0	5.7	5.7	5.5	4.5
-42.5°	8.9	6.5	6.1	5.7	5.7	5.5	4.5
-45°	8.2	6.6	6.1	5.7	5.7	5.5	4.5
-47.5°	7.2	6.6	6.1	5.8	5.7	5.5	4.5
-50°	7.2	6.7	6.2	5.8	5.7	5.4	4.5
-52.5°	7.2	6.8	6.2	5.8	5.7	5.4	4.5
-55°	7.3	6.8	6.2	5.8	5.7	5.4	4.5
-57.5°	7.4	6.7	6.1	5.8	5.7	5.4	4.5
-60°	7.5	6.7	6.1	5.8	5.7	5.4	4.5
-62.5°	7.3	6.6	6.1	5.8	5.7	5.3	4.5
-65°	7.1	6.5	6.0	5.8	5.7	5.3	4.5
-67.5°	6.9	6.4	5.9	5.7	5.7	5.3	4.5
-70°	6.7	6.2	5.9	5.7	5.7	5.3	4.5
-72.5°	6.5	6.1	5.8	5.7	5.7	5.3	4.5
-75°	6.3	5.9	5.7	5.6	5.7	5.2	4.5
-77.5°	6.0	5.8	5.6	5.6	5.7	5.2	4.5
-80°	5.7	5.6	5.5	5.6	5.7	5.2	4.5
-82.5°	5.4	5.4	5.4	5.5	5.7	5.2	4.5
-85°	5.1	5.2	5.3	5.5	5.7	5.2	4.5
-87.5°	4.8	5.0	5.2	5.4	5.7	5.1	4.5
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5

(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

