

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: P701568 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-70-4S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701568 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-25)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-57-70-4S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

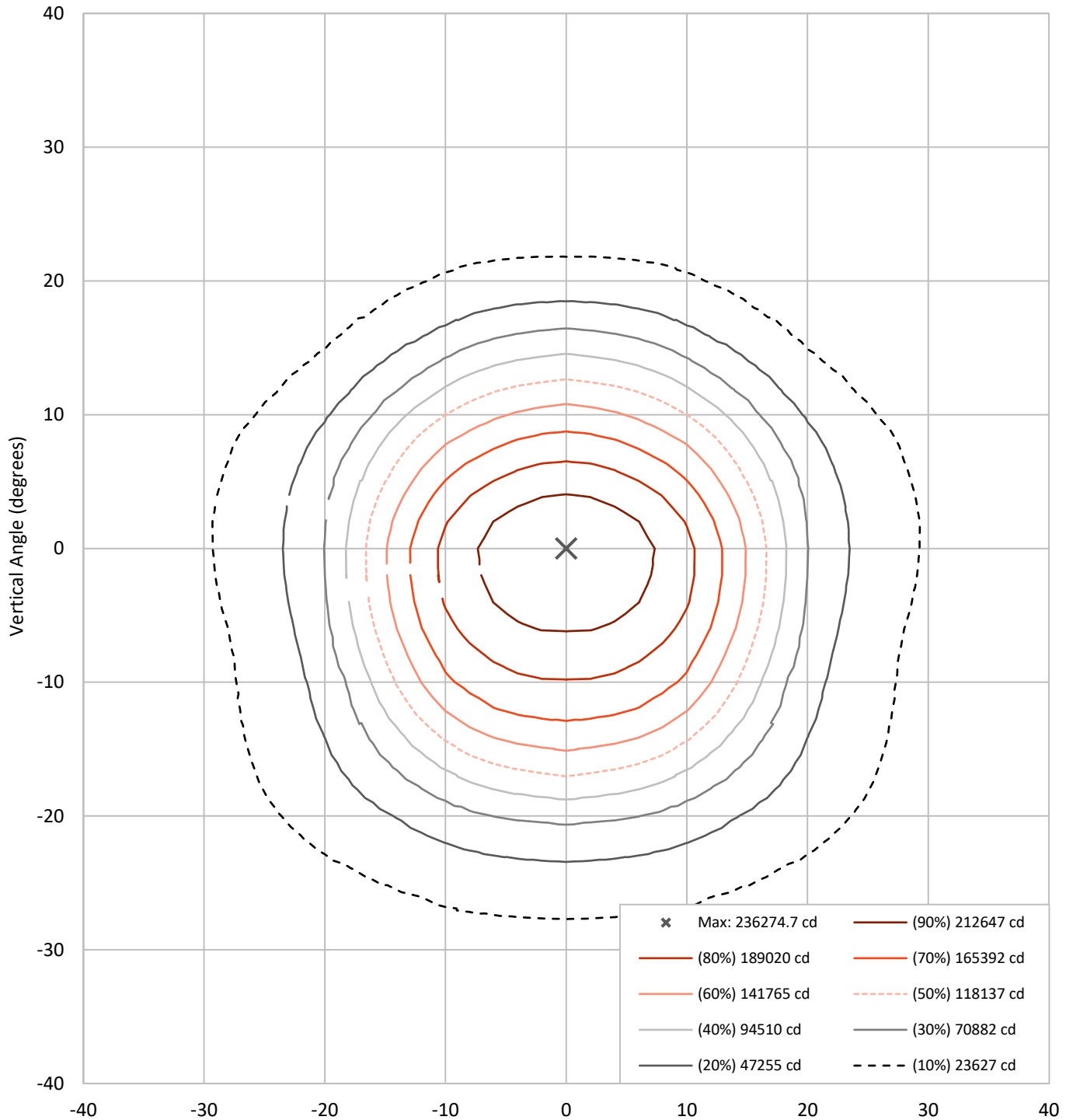
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	75618.6 lumens	Max Intensity:	236274.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	114.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.2°H x 29.7°V	Field Angle (10%):	58.6°H x 49.3°V
Beam Lumens:	41494.4 lumens	Field Lumens:	66483 lumens
Beam Efficiency:	54.9%	Field Efficiency:	87.9%

Input Watts (W): 658
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





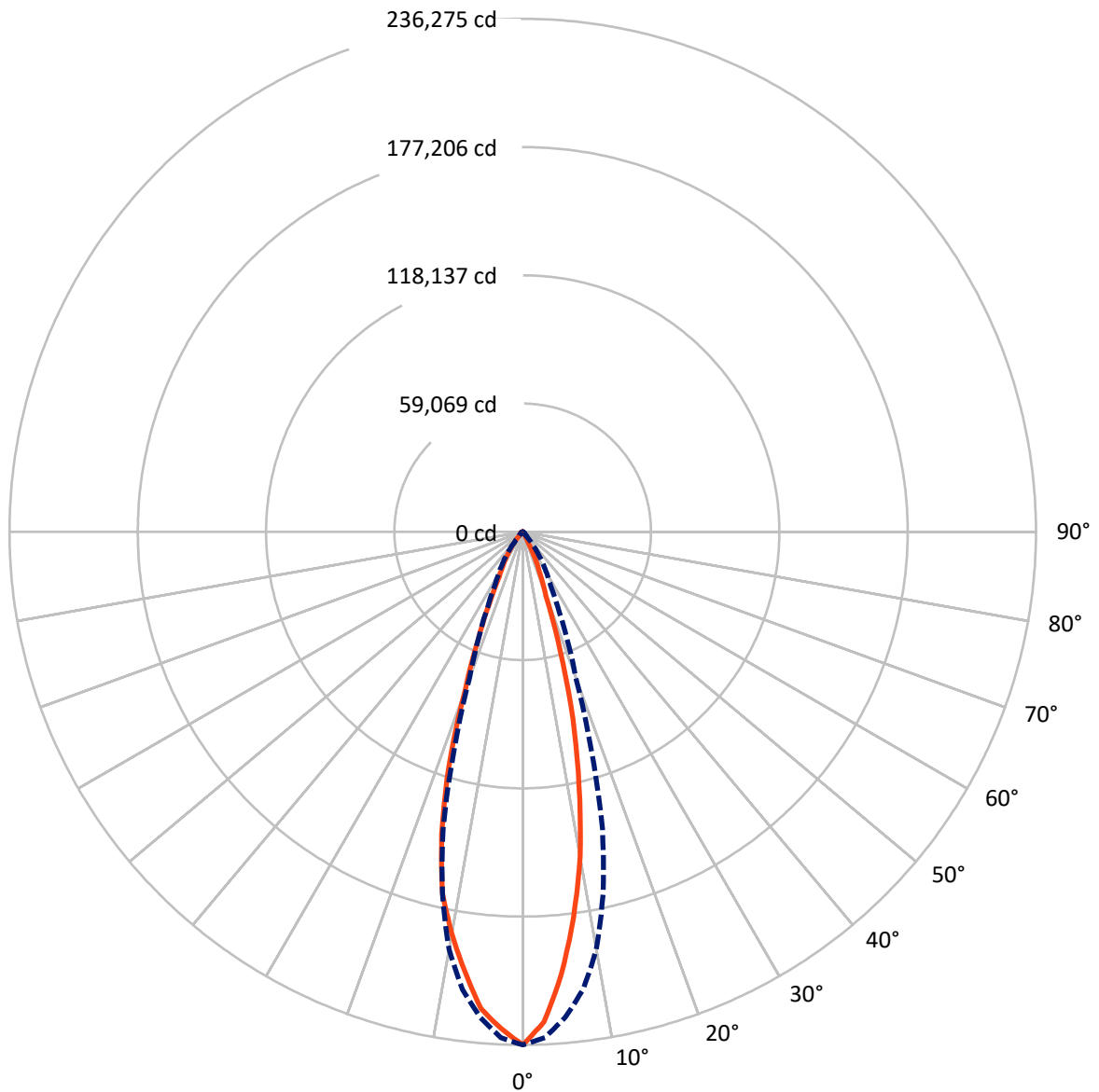
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Lumen Table

90		0.2		0.5		0.6		0.6		0.5		0.6		0.6		0.5		0.2			
80		0.2		0.1		0.2		0.4		0.6		0.4		0.2		0.1		0.2			
70		0.2		0.1		0.3		0.8		0.8		0.4		0.3		0.1		0.2			
60		0.2		0.2		0.4		0.6		0.7		0.9		1.2		1.5		1.2		0.2	
50		0.2		0.2		0.9		1.8		3.1		7.1		14.3		19.6		14.3		0.2	
40		0.2		0.4		2.7		7.5		27.7		100.8		238.8		404.0		238.8		0.2	
30		0.2		0.9		6.2		19.9		122.4		423.9		1300.7		2457.4		1300.7		0.2	
20		0.3		1.7		10.6		37.6		285.1		1015.6		3368.9		5692.2		3368.9		0.3	
10		0.3		2.9		14.1		44.6		297.2		1047.3		3781.1		6249.3		3781.1		0.3	
0		0.5		3.4		14.3		38.4		231.9		772.1		2258.2		3945.1		2258.2		0.5	
-10		0.5		3.1		12.3		26.4		100.2		366.4		762.7		1141.4		762.7		0.5	
-20		0.4		2.4		9.4		18.3		34.4		99.0		224.7		317.4		224.7		0.4	
-30		0.4		1.5		6.3		13.9		22.6		34.4		50.4		66.0		50.4		0.4	
-40		0.3		0.8		3.3		9.1		16.8		24.2		31.0		35.1		31.0		0.3	
-50		0.3		0.3		1.3		3.7		8.1		14.0		20.0		23.6		20.0		0.3	
-60		0.3		0.3		1.3		3.7		8.1		14.0		20.0		23.6		20.0		0.3	
-70		0.2		0.8		3.0		7.9		11.2		7.9		3.0		0.8		0.2			
-80		0.2		0.8		3.0		7.9		11.2		7.9		3.0		0.8		0.2			
-90		0.2		0.8		3.0		7.9		11.2		7.9		3.0		0.8		0.2			

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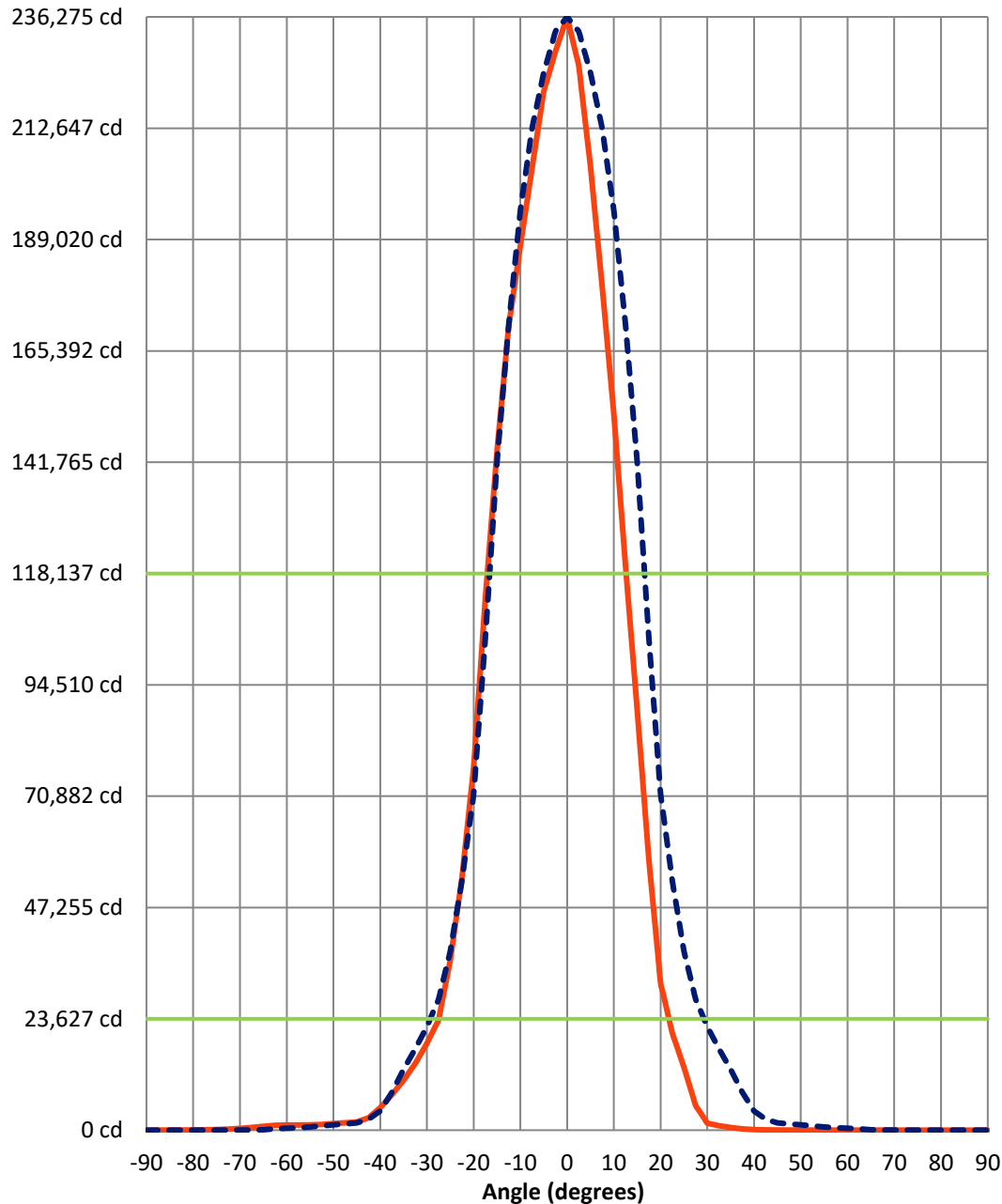
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.2°
 V Angle: 29.7°
 Lumens: 41494.4
 Efficiency: 54.9%

Field:
 H Angle: 58.6°
 V Angle: 49.3°
 Lumens: 66483
 Efficiency: 87.9%

Spill:
 Lumens: 9135.6
 Efficiency: 12.1%

- 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°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
82.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.4	8.3
80°	8.3	8.3	8.3	8.3	8.3	8.3	8.4	8.6	8.7	8.6	8.3
77.5°	8.3	8.3	8.3	8.3	8.3	8.5	8.9	9.1	9.1	8.9	8.4
75°	8.3	8.3	8.3	8.3	8.4	8.9	9.4	9.6	9.5	9.0	8.5
72.5°	8.3	8.3	8.3	8.3	8.7	9.3	9.9	10.0	9.5	9.0	8.5
70°	8.3	8.3	8.3	8.3	9.1	9.8	10.4	10.1	9.6	9.1	9.2
67.5°	8.3	8.3	8.3	8.6	9.4	10.2	10.4	10.1	9.7	9.6	9.9
65°	8.3	8.3	8.3	8.9	9.7	10.4	10.4	10.2	9.9	10.1	10.4
62.5°	8.3	8.3	8.3	9.1	10.1	10.4	10.4	10.3	10.2	10.4	10.4
60°	8.3	8.3	8.3	9.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4
57.5°	8.3	8.3	8.5	9.6	10.4	10.4	10.4	10.4	10.4	10.4	10.4
55°	8.3	8.3	8.6	9.8	10.4	10.4	10.4	10.4	10.4	10.4	10.4
52.5°	8.3	8.3	8.8	10.0	10.4	10.4	10.4	10.4	10.4	10.4	10.4
50°	8.3	8.3	8.9	10.2	10.4	10.4	10.4	10.4	10.4	10.4	11.3
47.5°	8.3	8.3	9.0	10.4	10.4	10.4	10.4	10.4	10.4	10.4	12.3
45°	8.3	8.3	9.2	10.4	10.4	10.4	10.4	10.4	10.5	11.1	13.1
42.5°	8.3	8.3	9.3	10.4	10.4	10.4	10.4	10.5	10.6	11.6	13.6
40°	8.3	8.3	9.4	10.4	10.4	10.4	10.4	10.6	10.9	12.1	14.0
37.5°	8.3	8.3	9.5	10.4	10.4	10.4	10.4	10.9	11.6	12.8	14.4
35°	8.3	8.3	9.6	10.4	10.4	10.4	10.4	11.1	12.1	13.5	14.8
32.5°	8.3	8.3	9.7	10.4	10.4	10.4	10.5	11.4	12.7	14.1	15.8
30°	8.3	8.3	9.8	10.4	10.4	10.4	10.7	11.7	13.3	14.8	17.1
27.5°	8.3	8.3	9.9	10.4	10.4	10.4	10.9	12.2	13.8	15.3	18.8
25°	8.3	8.3	10.0	10.4	10.4	10.4	11.2	12.6	14.3	16.4	20.8
22.5°	8.3	8.3	10.1	10.4	10.4	10.4	11.4	13.1	14.8	17.9	25.2
20°	8.3	8.3	10.1	10.4	10.4	10.6	11.7	13.4	15.2	19.4	29.6
17.5°	8.3	8.3	10.2	10.4	10.4	10.8	12.0	13.8	15.6	21.1	34.1
15°	8.3	8.3	10.3	10.4	10.4	11.0	12.2	14.2	16.0	22.9	38.5
12.5°	8.3	8.3	10.3	10.4	10.4	11.2	12.3	14.6	17.2	24.7	42.8
10°	8.3	8.3	10.3	10.4	10.4	11.5	12.4	15.1	19.0	28.7	48.8
7.5°	8.3	8.3	10.4	10.4	10.4	11.7	12.5	15.5	21.0	33.1	58.8
5°	8.3	8.3	10.4	10.4	10.4	12.0	12.5	15.9	23.1	37.5	68.7
2.5°	8.3	8.3	10.4	10.4	10.4	12.3	12.5	16.3	25.1	41.8	78.4
0°	8.3	8.3	10.4	10.4	10.4	12.5	12.5	16.7	27.1	45.8	87.5
-2.5°	8.3	8.3	10.4	10.4	10.4	12.5	13.6	19.9	34.9	60.7	113.2
-5°	8.3	8.3	10.4	10.4	10.4	12.5	14.7	23.0	42.4	74.9	137.4
-7.5°	8.3	8.3	10.4	10.4	10.4	12.4	15.7	25.9	49.2	88.0	159.5
-10°	8.3	8.3	10.3	10.4	10.4	12.3	16.5	28.4	55.3	99.7	179.0
-12.5°	8.3	8.3	10.3	10.4	10.4	12.2	17.2	30.6	60.3	109.6	191.8
-15°	8.3	8.3	10.3	10.4	10.4	12.1	17.7	32.2	64.6	117.2	200.2
-17.5°	8.3	8.3	10.2	10.4	10.4	12.0	18.0	34.0	68.0	122.8	205.8
-20°	8.3	8.3	10.1	10.4	10.4	11.9	18.4	35.7	70.1	126.3	208.4



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 CATALOG NUMBER: EPH-LS-08-0640L-57-70-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.3	8.3	10.1	10.4	10.4	11.7	19.1	36.8	70.5	127.5	207.9
-25°	8.3	8.3	10.0	10.4	10.4	11.8	19.5	37.2	69.3	126.1	204.2
-27.5°	8.3	8.3	9.9	10.4	10.4	12.0	19.4	36.9	66.4	123.1	202.1
-30°	8.3	8.3	9.8	10.4	10.4	12.1	18.8	35.8	64.4	119.6	196.8
-32.5°	8.3	8.3	9.7	10.4	10.5	12.0	17.8	35.0	63.0	113.6	188.0
-35°	8.3	8.3	9.6	10.4	10.6	11.7	17.3	33.7	60.6	105.0	175.6
-37.5°	8.3	8.3	9.5	10.4	10.7	11.5	17.0	31.8	57.0	93.9	156.4
-40°	8.3	8.3	9.4	10.4	10.7	11.6	16.5	29.1	52.3	86.5	137.6
-42.5°	8.3	8.3	9.3	10.4	10.8	11.6	15.6	25.6	47.9	78.3	117.9
-45°	8.3	8.3	9.2	10.5	10.8	11.6	14.6	22.7	43.0	69.2	98.8
-47.5°	8.3	8.3	9.0	10.5	10.9	11.6	13.2	21.0	37.2	59.4	87.8
-50°	8.3	8.3	8.9	10.4	11.0	11.6	12.9	19.1	30.0	51.1	76.1
-52.5°	8.3	8.3	8.8	10.2	11.0	11.5	12.8	16.7	25.5	42.1	63.9
-55°	8.3	8.3	8.6	10.0	11.1	11.5	12.6	14.3	22.0	32.5	52.9
-57.5°	8.3	8.3	8.5	9.9	11.1	11.6	12.3	14.0	18.3	26.8	41.1
-60°	8.3	8.3	8.3	9.7	11.2	11.6	12.1	13.5	15.0	22.0	30.9
-62.5°	8.3	8.3	8.3	9.5	10.9	11.7	12.2	13.0	14.4	16.8	24.8
-65°	8.3	8.3	8.3	9.2	10.6	11.7	12.2	12.7	13.9	15.2	18.3
-67.5°	8.3	8.3	8.3	9.0	10.3	11.6	12.3	12.7	13.3	14.5	15.8
-70°	8.3	8.3	8.3	8.8	10.0	11.2	12.3	12.6	13.1	13.8	15.0
-72.5°	8.3	8.3	8.3	8.7	9.7	10.8	11.9	12.5	12.8	13.4	14.2
-75°	8.3	8.3	8.3	8.7	9.3	10.4	11.4	12.0	12.5	12.9	13.5
-77.5°	8.3	8.3	8.3	8.6	9.2	10.0	10.9	11.4	11.9	12.3	12.7
-80°	8.3	8.3	8.3	8.6	9.0	9.6	10.4	10.8	11.2	11.5	11.8
-82.5°	8.3	8.3	8.3	8.5	8.8	9.3	9.9	10.2	10.4	10.7	11.0
-85°	8.3	8.3	8.3	8.4	8.7	9.0	9.4	9.6	9.7	9.9	10.1
-87.5°	8.3	8.3	8.3	8.4	8.5	8.6	8.8	8.9	9.0	9.1	9.2
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



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 CATALOG NUMBER: EPH-LS-08-0640L-57-70-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	7.8	7.3	6.8
87.5°	7.8	7.3	6.8	6.3	6.3	6.3	6.3	6.3	5.8	5.3	4.7
85°	7.8	7.3	6.9	6.6	6.6	6.6	6.5	6.3	6.0	5.8	5.7
82.5°	8.0	7.8	7.7	7.7	7.6	7.3	6.8	6.3	6.3	6.3	6.3
80°	8.2	8.3	8.3	8.3	7.9	7.4	6.9	6.4	6.3	6.4	6.4
77.5°	8.3	8.3	8.3	8.3	7.9	7.6	7.4	7.4	7.4	7.2	6.9
75°	8.3	8.3	8.4	8.4	8.2	8.2	8.3	8.3	8.0	7.5	7.0
72.5°	8.6	8.9	8.9	8.6	8.3	8.3	8.3	8.3	8.6	8.7	8.5
70°	9.5	9.6	9.2	8.6	8.3	8.6	9.7	10.8	11.6	11.6	12.0
67.5°	10.3	9.8	9.2	9.0	9.9	11.2	12.5	14.1	15.9	16.5	17.4
65°	10.3	9.8	9.9	10.7	12.3	13.9	15.8	18.0	22.4	25.2	26.5
62.5°	10.4	10.3	10.9	12.4	14.6	16.6	19.8	24.9	31.6	36.4	36.6
60°	10.4	10.6	12.2	14.5	16.7	19.5	24.3	32.0	42.2	49.9	45.5
57.5°	10.4	11.6	14.1	16.3	18.6	21.7	29.1	39.1	49.5	60.6	51.7
55°	10.9	13.3	15.6	17.7	20.5	24.6	32.3	41.7	53.2	56.3	46.3
52.5°	12.3	14.7	16.5	19.0	22.6	26.5	31.9	40.1	43.7	44.6	38.5
50°	13.6	15.4	17.3	20.3	24.0	27.2	28.8	33.7	35.1	33.3	30.0
47.5°	14.3	16.1	17.9	21.1	24.8	27.5	27.7	27.8	27.3	26.9	22.1
45°	14.9	16.7	18.5	22.1	26.0	28.5	27.1	23.2	26.4	25.5	24.3
42.5°	15.4	17.3	20.3	23.2	28.3	29.9	27.7	28.7	29.6	30.8	31.3
40°	15.9	17.9	22.8	28.4	31.4	32.1	35.5	38.1	37.0	40.5	42.5
37.5°	16.4	20.7	27.6	38.0	34.7	39.2	45.7	56.1	56.5	53.2	61.1
35°	16.8	23.9	39.3	50.5	47.8	50.5	67.6	81.3	85.4	80.9	86.0
32.5°	18.8	27.5	54.1	65.6	72.3	75.7	95.2	115.8	131.2	134.2	121.7
30°	22.7	41.0	70.9	83.9	103.3	122.0	135.6	160.4	192.2	217.1	227.3
27.5°	27.7	57.3	88.5	112.1	141.6	173.5	197.0	228.0	279.8	324.3	360.9
25°	33.0	79.5	108.1	146.6	190.4	231.7	267.8	319.5	388.1	462.0	590.4
22.5°	44.9	104.9	137.7	184.6	242.5	294.2	354.2	427.8	515.7	617.0	855.2
20°	64.2	129.8	173.3	227.0	298.5	359.8	444.3	538.2	658.1	874.4	1278.7
17.5°	84.9	156.6	209.9	277.2	365.8	443.3	538.1	648.0	806.8	1152.7	1949.1
15°	106.3	184.8	244.7	330.4	439.5	550.1	664.5	784.2	1011.3	1546.5	2802.8
12.5°	128.0	213.7	277.8	385.3	517.5	661.5	798.0	950.2	1278.8	2223.4	4067.4
10°	149.4	242.9	309.1	440.8	598.1	775.4	930.4	1109.5	1556.7	2836.7	5198.3
7.5°	184.5	280.8	342.5	495.4	679.0	889.4	1060.3	1261.4	1828.2	3371.1	6239.8
5°	221.7	327.5	395.8	562.3	759.0	990.9	1177.7	1404.5	2085.2	3820.8	7216.8
2.5°	257.2	372.3	447.8	626.5	833.9	1069.8	1252.2	1484.6	2222.7	4030.9	7820.3
0°	289.6	414.6	498.0	685.5	902.2	1139.8	1318.9	1554.4	2306.6	4071.4	8013.7
-2.5°	328.9	461.1	549.9	732.3	939.6	1180.8	1361.2	1607.4	2393.3	4299.1	8048.7
-5°	362.7	504.2	599.3	774.1	970.9	1212.9	1396.6	1648.7	2433.8	4402.8	7879.5
-7.5°	390.0	543.5	646.1	807.1	987.1	1219.3	1409.6	1655.5	2405.6	4349.4	7533.2
-10°	406.4	560.1	657.4	806.6	981.8	1205.8	1409.7	1649.6	2324.3	4128.0	7046.9
-12.5°	394.5	555.6	659.5	800.5	971.8	1183.0	1399.7	1630.6	2186.0	3719.2	6477.8
-15°	379.7	548.2	658.1	788.8	957.4	1151.0	1378.8	1598.5	1970.3	3085.3	5775.1
-17.5°	362.8	538.0	653.1	771.5	939.2	1109.7	1336.5	1514.5	1747.2	2628.8	4964.9
-20°	344.5	525.1	644.3	748.4	916.9	1050.3	1236.9	1420.2	1632.5	2235.4	3875.2



REPORT NUMBER: P701568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	325.3	509.7	629.5	733.4	860.1	981.8	1132.0	1311.7	1506.2	1746.8	2716.0
-25°	314.1	480.9	608.4	698.7	798.7	912.0	1024.4	1190.2	1374.4	1568.1	2078.3
-27.5°	308.3	453.1	573.9	664.0	739.5	842.1	937.7	1070.1	1240.8	1406.5	1568.1
-30°	298.3	413.7	538.6	628.0	696.5	777.4	859.7	967.2	1118.6	1264.1	1398.1
-32.5°	276.8	373.6	495.3	588.0	658.5	717.5	798.8	894.8	1011.3	1137.6	1245.4
-35°	250.4	342.0	448.6	548.1	621.0	676.9	750.1	830.7	916.3	1025.8	1154.8
-37.5°	225.9	307.7	402.1	503.4	578.0	646.0	702.3	774.8	848.7	929.8	1058.8
-40°	199.5	270.7	360.1	453.1	539.6	610.0	668.5	722.8	787.3	868.4	954.6
-42.5°	172.1	239.6	317.0	403.9	490.7	566.7	633.0	683.1	738.2	808.0	884.8
-45°	149.3	206.7	272.9	355.2	437.0	517.0	584.7	647.8	700.7	752.1	818.4
-47.5°	125.7	174.4	235.3	305.5	383.2	458.3	531.6	601.3	668.5	716.6	757.2
-50°	104.0	147.7	197.3	261.7	329.5	399.8	468.4	550.0	621.3	681.9	729.2
-52.5°	90.2	120.1	165.6	218.5	279.5	342.7	410.5	485.6	562.8	634.8	690.1
-55°	75.6	101.3	133.5	179.2	231.0	288.3	351.7	420.6	490.8	563.2	633.9
-57.5°	61.5	84.3	109.0	140.8	185.6	234.7	292.8	353.9	418.5	484.2	549.6
-60°	47.3	67.3	89.5	112.8	140.2	184.3	232.4	286.1	343.6	402.6	461.6
-62.5°	33.8	50.2	69.7	90.7	112.5	136.4	175.2	219.9	266.3	315.3	366.6
-65°	26.2	34.8	49.2	67.7	87.5	108.5	131.6	156.8	195.4	233.3	269.4
-67.5°	18.5	26.3	34.1	43.7	60.6	78.6	98.0	119.0	141.4	163.5	189.4
-70°	16.4	18.6	24.8	31.7	38.4	47.2	63.0	79.9	97.3	114.1	132.6
-72.5°	15.4	17.1	19.3	22.0	27.5	33.0	38.4	43.6	53.8	67.6	81.2
-75°	14.3	15.4	16.9	18.9	21.1	23.4	26.2	30.8	35.0	39.2	43.3
-77.5°	13.2	14.0	14.9	16.0	17.3	19.0	20.9	22.9	24.6	26.3	28.1
-80°	12.2	12.5	13.0	13.7	14.5	15.4	16.4	17.6	18.4	19.3	20.4
-82.5°	11.2	11.4	11.7	11.9	12.0	12.3	12.6	13.2	13.8	14.4	14.9
-85°	10.2	10.4	10.6	10.7	10.5	10.3	10.1	10.0	10.3	10.5	10.8
-87.5°	9.3	9.3	9.4	9.5	9.3	9.0	8.7	8.3	8.2	8.1	8.0
-90°	7.8	7.3	6.8	6.3	6.3	6.3	6.3	6.3	5.8	5.3	4.7



REPORT NUMBER: P701568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.3	6.3	6.3	6.3	6.3	7.3	8.4	9.4	10.4	11.5	12.5
87.5°	4.2	4.2	4.2	4.2	4.2	3.7	3.2	2.6	2.1	2.1	2.1
85°	5.5	5.3	5.0	4.6	4.2	4.1	4.1	4.1	4.1	3.6	3.1
82.5°	6.3	5.8	5.3	4.8	4.2	4.2	4.2	4.2	4.2	3.7	3.2
80°	6.3	5.9	5.3	4.8	4.3	4.2	4.2	4.2	4.2	3.7	3.2
77.5°	6.4	6.0	5.7	5.5	5.4	5.2	5.0	4.7	4.3	3.7	3.2
75°	6.5	6.4	6.5	6.5	6.4	5.9	5.4	4.8	4.3	4.1	4.1
72.5°	8.2	7.8	7.7	7.9	7.9	7.7	7.3	6.7	6.0	5.9	6.1
70°	12.2	12.4	12.6	12.4	11.6	10.7	9.9	9.0	8.1	7.9	8.0
67.5°	18.5	18.7	18.1	16.8	14.6	12.7	11.9	11.1	10.2	9.9	10.1
65°	26.5	24.5	22.5	20.1	17.4	14.4	13.5	12.8	12.2	12.2	12.9
62.5°	34.3	28.0	22.5	19.1	16.5	14.4	13.4	12.5	11.6	11.2	11.6
60°	37.8	26.8	19.5	17.2	15.0	12.8	11.6	10.6	9.7	9.1	9.5
57.5°	37.9	26.3	18.0	15.4	13.1	11.1	10.1	9.5	8.9	8.4	9.0
55°	33.7	23.3	15.3	13.2	11.8	10.9	10.3	10.1	9.9	9.6	10.0
52.5°	27.1	19.5	14.2	12.3	12.4	12.4	12.3	12.4	12.6	12.9	13.5
50°	21.5	16.6	15.1	14.2	14.7	14.8	14.5	15.3	16.4	17.0	17.6
47.5°	19.7	18.1	18.3	17.9	18.6	20.0	20.3	20.9	22.6	23.5	24.2
45°	21.9	23.6	24.6	26.3	27.3	29.7	30.5	30.5	33.9	36.3	37.5
42.5°	30.7	33.4	36.6	39.9	41.5	44.6	47.8	49.5	54.7	58.7	60.4
40°	46.3	47.8	54.7	58.9	62.1	65.9	75.6	81.9	91.9	110.7	124.3
37.5°	68.1	73.1	77.2	83.2	96.2	102.6	133.5	161.5	180.7	227.2	253.5
35°	99.7	113.5	108.7	135.4	168.3	209.8	254.9	322.1	375.3	438.2	496.4
32.5°	156.4	189.8	222.2	253.1	327.3	446.2	449.5	575.2	659.4	761.4	851.1
30°	247.4	365.8	514.7	564.0	772.7	1006.0	941.2	1134.1	1325.2	1438.9	1831.4
27.5°	488.3	755.0	1050.9	1426.8	1815.7	2216.7	2482.3	2575.3	3542.2	4253.1	5178.6
25°	835.4	1303.4	2129.9	2738.8	3421.7	4312.3	4826.8	5519.4	7132.2	9141.9	10703.0
22.5°	1331.4	2149.0	3241.0	4162.4	5186.0	6386.3	7471.9	9132.3	11640.2	14383.6	16717.3
20°	1887.2	2941.4	4325.0	5705.5	7047.3	8611.5	10500.2	13890.9	17766.0	22066.2	25953.8
17.5°	2912.6	3949.3	5721.2	7608.4	9514.8	11399.0	15552.4	20573.8	26640.0	33011.9	38671.4
15°	4378.0	6055.8	7813.3	10308.7	13481.8	17102.6	22362.7	31170.1	40591.4	50535.8	62391.1
12.5°	6290.3	8722.7	11359.2	14248.4	18550.6	25160.2	33886.2	44636.4	58121.8	73040.9	89910.5
10°	8241.8	11749.8	15380.6	19506.9	25177.2	33690.8	44959.8	58420.2	79628.0	100531.1	118137.5
7.5°	9828.4	13916.7	18497.6	23979.0	31369.5	41742.9	55668.9	75122.4	100413.9	125284.9	144981.3
5°	11317.1	15808.1	20577.0	26177.4	35087.4	47596.7	64367.7	88638.6	118895.7	145346.4	166452.1
2.5°	12396.8	17114.5	22048.1	27746.5	37904.8	51155.2	69567.8	99674.3	134500.1	161600.4	185800.4
0°	12874.8	17240.1	21959.5	27806.2	37997.3	52970.4	71371.0	104334.3	141723.2	170857.7	195166.5
-2.5°	12282.2	16520.1	21390.3	27102.2	37318.0	51701.7	70709.0	103809.5	141326.9	170873.9	194840.3
-5°	11655.2	15672.8	20193.9	25473.6	34789.0	48163.3	67556.0	99182.3	135184.4	164889.4	188268.3
-7.5°	10986.8	14663.9	18708.7	23445.7	31709.9	44579.9	62587.2	89280.0	122932.2	153177.0	175165.0
-10°	10222.6	13570.0	17823.6	22844.2	30038.6	41226.0	56117.9	77502.2	109021.9	137122.4	161263.8
-12.5°	9773.9	13344.4	17594.8	22206.4	28009.7	37868.8	51418.5	69659.5	91235.7	117338.2	138819.1
-15°	9197.2	12811.4	17026.7	21353.2	26725.0	34422.7	45120.7	58518.8	74936.3	92526.2	111592.7
-17.5°	8249.0	11861.2	15255.7	19316.3	24418.5	30500.2	38188.1	48585.9	59479.0	71942.3	83349.6
-20°	6687.6	9605.4	12815.6	16641.6	21027.7	25636.4	30770.4	37855.0	44764.9	53490.3	60495.1



REPORT NUMBER: P701568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4811.5	7277.7	10059.0	13220.9	16694.3	20640.0	24507.5	28246.2	32981.8	38505.0	44133.2
-25°	3133.6	4958.1	7366.6	9958.0	12383.9	15537.1	18315.7	20548.6	23741.9	26241.0	29651.8
-27.5°	2169.9	3355.8	5149.9	7214.7	9128.1	11146.4	13408.5	14932.9	17420.5	18772.4	20863.2
-30°	1587.7	2253.4	3543.7	5088.0	6755.0	8473.0	10087.8	11763.9	13494.3	15024.5	16184.8
-32.5°	1408.0	1669.5	2305.8	3417.3	4721.7	6162.3	7529.7	8990.9	10369.4	11555.5	12512.8
-35°	1285.9	1432.6	1632.5	2220.3	2998.7	4123.4	5199.2	6381.9	7489.2	8406.1	9174.6
-37.5°	1189.3	1306.7	1432.6	1561.5	1998.5	2490.7	3255.4	4077.4	4788.0	5599.7	6226.7
-40°	1079.5	1205.0	1305.8	1408.7	1524.6	1648.0	2061.9	2429.9	2831.4	3379.5	3827.2
-42.5°	966.3	1075.5	1189.0	1284.8	1372.2	1464.5	1557.5	1640.0	1843.8	2085.5	2268.8
-45°	888.0	965.2	1048.4	1149.9	1244.0	1324.0	1399.3	1471.4	1545.4	1613.7	1670.4
-47.5°	818.9	881.4	949.9	1019.6	1090.4	1172.7	1249.8	1323.1	1387.3	1445.5	1492.4
-50°	768.6	811.7	868.7	923.7	984.3	1041.6	1092.9	1152.9	1218.6	1278.4	1326.1
-52.5°	743.1	780.8	813.5	853.0	907.6	955.7	997.9	1045.5	1091.1	1132.9	1163.6
-55°	693.0	742.3	790.1	834.5	872.2	906.5	943.1	989.8	1029.9	1064.4	1083.4
-57.5°	614.4	677.8	737.9	794.3	847.3	897.1	938.5	975.6	1012.7	1048.0	1064.3
-60°	521.5	582.1	644.9	712.7	781.1	849.2	899.4	947.2	992.3	1030.1	1050.1
-62.5°	421.8	477.0	533.1	594.2	659.2	723.0	777.7	834.8	893.3	943.6	975.8
-65°	308.4	355.4	405.7	455.8	505.2	556.2	605.0	653.0	699.7	737.5	763.8
-67.5°	221.1	251.4	282.5	314.6	352.9	392.3	428.3	463.3	496.7	523.3	543.0
-70°	152.0	171.6	189.9	210.4	234.9	258.8	281.0	302.1	321.9	338.7	352.7
-72.5°	94.6	107.4	120.1	134.5	148.5	161.8	174.4	186.2	197.1	207.0	216.0
-75°	47.5	53.5	63.6	73.2	82.3	91.6	100.3	107.9	114.5	120.1	124.8
-77.5°	30.8	34.6	38.3	41.8	45.0	49.4	54.2	59.1	64.0	67.9	71.6
-80°	21.6	23.7	25.9	28.2	30.5	33.3	36.1	38.9	41.6	43.4	44.9
-82.5°	15.4	16.5	17.8	19.1	20.5	22.5	24.4	26.4	28.3	29.6	30.8
-85°	11.0	11.5	12.1	12.8	13.4	15.1	16.9	18.6	20.3	21.5	22.7
-87.5°	7.9	8.0	8.0	8.1	8.1	9.7	11.3	12.8	14.4	15.0	15.6
-90°	4.2	4.2	4.2	4.2	4.2	3.7	3.2	2.6	2.1	2.1	2.1



REPORT NUMBER: P701568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	13.6	14.6	14.6	14.6	14.6	14.6	13.6	12.5	11.5	10.4	9.4
87.5°	2.1	2.1	1.1	0.0	1.1	2.1	2.1	2.1	2.1	2.1	2.6
85°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.1
82.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.2	3.7	4.2	4.2
80°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.2	3.7	4.2	4.2
77.5°	2.7	2.1	2.1	2.1	2.1	2.1	2.7	3.2	3.7	4.3	4.7
75°	4.1	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.3	4.8
72.5°	6.2	6.2	6.3	6.3	6.3	6.2	6.2	6.1	5.9	6.0	6.7
70°	8.2	8.2	7.4	6.3	7.4	8.2	8.2	8.0	7.9	8.1	9.0
67.5°	10.2	10.3	11.3	12.5	11.3	10.3	10.2	10.1	9.9	10.2	11.1
65°	13.6	14.3	13.6	12.5	13.6	14.3	13.6	12.9	12.2	12.2	12.8
62.5°	12.0	12.5	11.6	10.4	11.6	12.5	12.0	11.6	11.2	11.6	12.5
60°	9.9	10.3	10.4	10.4	10.4	10.3	9.9	9.5	9.1	9.7	10.6
57.5°	9.6	10.2	10.4	10.4	10.4	10.2	9.6	9.0	8.4	8.9	9.5
55°	10.3	10.4	10.4	10.4	10.4	10.4	10.3	10.0	9.6	9.9	10.1
52.5°	14.0	14.3	14.5	14.6	14.5	14.3	14.0	13.5	12.9	12.6	12.4
50°	18.1	18.5	18.7	18.8	18.7	18.5	18.1	17.6	17.0	16.4	15.3
47.5°	24.8	24.8	24.9	25.0	24.9	24.8	24.8	24.2	23.5	22.6	20.9
45°	38.1	37.6	37.2	37.5	37.2	37.6	38.1	37.5	36.3	33.9	30.5
42.5°	61.9	62.1	61.9	62.5	61.9	62.1	61.9	60.4	58.7	54.7	49.5
40°	128.0	123.5	116.9	116.7	116.9	123.5	128.0	124.3	110.7	91.9	81.9
37.5°	266.5	271.1	270.6	275.0	270.6	271.1	266.5	253.5	227.2	180.7	161.5
35°	540.5	564.8	570.2	568.8	570.2	564.8	540.5	496.4	438.2	375.3	322.1
32.5°	890.3	922.5	931.5	943.9	931.5	922.5	890.3	851.1	761.4	659.4	575.2
30°	1565.2	1608.5	1567.3	1483.6	1567.3	1608.5	1565.2	1831.4	1438.9	1325.2	1134.1
27.5°	5671.4	5879.4	5411.2	5240.4	5411.2	5879.4	5671.4	5178.6	4253.1	3542.2	2575.3
25°	11558.1	12478.1	13421.0	13337.4	13421.0	12478.1	11558.1	10703.0	9141.9	7132.2	5519.4
22.5°	18653.3	19585.5	20362.5	20630.2	20362.5	19585.5	18653.3	16717.3	14383.6	11640.2	9132.3
20°	29545.3	31360.9	32660.9	31275.5	32660.9	31360.9	29545.3	25953.8	22066.2	17766.0	13890.9
17.5°	47226.5	52693.7	55533.8	57327.3	55533.8	52693.7	47226.5	38671.4	33011.9	26640.0	20573.8
15°	73311.0	81556.0	86123.8	89148.7	86123.8	81556.0	73311.0	62391.1	50535.8	40591.4	31170.1
12.5°	103392.9	112382.4	116419.6	119714.7	116419.6	112382.4	103392.9	89910.5	73040.9	58121.8	44636.4
10°	131989.8	141701.7	148425.9	151920.5	148425.9	141701.7	131989.8	118137.5	100531.1	79628.0	58420.2
7.5°	158191.5	170071.9	176895.3	179067.3	176895.3	170071.9	158191.5	144981.3	125284.9	100413.9	75122.4
5°	183820.2	194420.1	202626.0	204486.7	202626.0	194420.1	183820.2	166452.1	145346.4	118895.7	88638.6
2.5°	203553.1	216257.0	223624.2	225851.3	223624.2	216257.0	203553.1	185800.4	161600.4	134500.1	99674.3
0°	212596.2	224423.0	233146.1	236274.7	233146.1	224423.0	212596.2	195166.5	170857.7	141723.2	104334.3
-2.5°	210704.7	221603.8	227847.8	228923.7	227847.8	221603.8	210704.7	194840.3	170873.9	141326.9	103809.5
-5°	204052.4	214066.3	220233.4	220409.9	220233.4	214066.3	204052.4	188268.3	164889.4	135184.4	99182.3
-7.5°	189440.1	198804.3	203103.7	204183.5	203103.7	198804.3	189440.1	175165.0	153177.0	122932.2	89280.0
-10°	174567.5	183255.1	187318.0	187767.5	187318.0	183255.1	174567.5	161263.8	137122.4	109021.9	77502.2
-12.5°	155302.8	164598.5	168655.1	170562.8	168655.1	164598.5	155302.8	138819.1	117338.2	91235.7	69659.5
-15°	126634.6	135623.6	140490.3	144083.9	140490.3	135623.6	126634.6	111592.7	92526.2	74936.3	58518.8
-17.5°	95917.0	103621.7	108417.7	112783.4	108417.7	103621.7	95917.0	83349.6	71942.3	59479.0	48585.9
-20°	68288.8	73195.5	74702.6	77055.2	74702.6	73195.5	68288.8	60495.1	53490.3	44764.9	37855.0



REPORT NUMBER: P701568 (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°	47962.7	50752.5	52519.7	53518.4	52519.7	50752.5	47962.7	44133.2	38505.0	32981.8	28246.2
-25°	32515.3	34450.1	35202.6	36069.9	35202.6	34450.1	32515.3	29651.8	26241.0	23741.9	20548.6
-27.5°	21780.1	22574.6	23117.3	23411.8	23117.3	22574.6	21780.1	20863.2	18772.4	17420.5	14932.9
-30°	17118.9	17845.3	18281.0	18419.4	18281.0	17845.3	17118.9	16184.8	15024.5	13494.3	11763.9
-32.5°	13253.8	13803.0	14096.5	14135.4	14096.5	13803.0	13253.8	12512.8	11555.5	10369.4	8990.9
-35°	9818.8	10319.0	10596.0	10576.6	10596.0	10319.0	9818.8	9174.6	8406.1	7489.2	6381.9
-37.5°	6766.0	7190.0	7450.2	7517.8	7450.2	7190.0	6766.0	6226.7	5599.7	4788.0	4077.4
-40°	4232.7	4544.2	4730.2	4754.9	4730.2	4544.2	4232.7	3827.2	3379.5	2831.4	2429.9
-42.5°	2429.7	2555.9	2626.7	2623.3	2626.7	2555.9	2429.7	2268.8	2085.5	1843.8	1640.0
-45°	1707.6	1735.9	1751.8	1754.4	1751.8	1735.9	1707.6	1670.4	1613.7	1545.4	1471.4
-47.5°	1526.3	1553.1	1567.4	1569.0	1567.4	1553.1	1526.3	1492.4	1445.5	1387.3	1323.1
-50°	1364.3	1396.0	1413.3	1416.9	1413.3	1396.0	1364.3	1326.1	1278.4	1218.6	1152.9
-52.5°	1188.4	1209.4	1216.4	1212.7	1216.4	1209.4	1188.4	1163.6	1132.9	1091.1	1045.5
-55°	1101.1	1118.2	1125.6	1127.3	1125.6	1118.2	1101.1	1083.4	1064.4	1029.9	989.8
-57.5°	1080.0	1095.3	1100.1	1100.2	1100.1	1095.3	1080.0	1064.3	1048.0	1012.7	975.6
-60°	1069.9	1089.0	1092.7	1089.7	1092.7	1089.0	1069.9	1050.1	1030.1	992.3	947.2
-62.5°	1004.3	1028.8	1036.6	1035.6	1036.6	1028.8	1004.3	975.8	943.6	893.3	834.8
-65°	786.0	804.0	813.2	816.8	813.2	804.0	786.0	763.8	737.5	699.7	653.0
-67.5°	559.1	571.6	575.6	575.1	575.6	571.6	559.1	543.0	523.3	496.7	463.3
-70°	364.5	374.1	375.1	373.0	375.1	374.1	364.5	352.7	338.7	321.9	302.1
-72.5°	223.8	230.4	229.7	227.1	229.7	230.4	223.8	216.0	207.0	197.1	186.2
-75°	128.8	132.0	131.1	129.2	131.1	132.0	128.8	124.8	120.1	114.5	107.9
-77.5°	75.1	78.5	79.0	79.2	79.0	78.5	75.1	71.6	67.9	64.0	59.1
-80°	46.3	47.6	47.8	47.9	47.8	47.6	46.3	44.9	43.4	41.6	38.9
-82.5°	32.0	33.2	33.3	33.3	33.3	33.2	32.0	30.8	29.6	28.3	26.4
-85°	23.8	24.9	25.0	25.0	25.0	24.9	23.8	22.7	21.5	20.3	18.6
-87.5°	16.2	16.7	16.7	16.7	16.7	16.7	16.2	15.6	15.0	14.4	12.8
-90°	2.1	2.1	1.0	0.0	1.0	2.1	2.1	2.1	2.1	2.1	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°	8.4	7.3	6.3	6.3	6.3	6.3	6.3	6.8	7.3	7.8	8.3
87.5°	3.2	3.7	4.2	4.2	4.2	4.2	4.2	4.7	5.3	5.8	6.3
85°	4.1	4.1	4.2	4.6	5.0	5.3	5.5	5.7	5.8	6.0	6.3
82.5°	4.2	4.2	4.2	4.8	5.3	5.8	6.3	6.3	6.3	6.3	6.3
80°	4.2	4.2	4.3	4.8	5.3	5.9	6.3	6.4	6.4	6.3	6.4
77.5°	5.0	5.2	5.4	5.5	5.7	6.0	6.4	6.9	7.2	7.4	7.4
75°	5.4	5.9	6.4	6.5	6.5	6.4	6.5	7.0	7.5	8.0	8.3
72.5°	7.3	7.7	7.9	7.9	7.7	7.8	8.2	8.5	8.7	8.6	8.3
70°	9.9	10.7	11.6	12.4	12.6	12.4	12.2	12.0	11.6	11.6	10.8
67.5°	11.9	12.7	14.6	16.8	18.1	18.7	18.5	17.4	16.5	15.9	14.1
65°	13.5	14.4	17.4	20.1	22.5	24.5	26.5	26.5	25.2	22.4	18.0
62.5°	13.4	14.4	16.5	19.1	22.5	28.0	34.3	36.6	36.4	31.6	24.9
60°	11.6	12.8	15.0	17.2	19.5	26.8	37.8	45.5	49.9	42.2	32.0
57.5°	10.1	11.1	13.1	15.4	18.0	26.3	37.9	51.7	60.6	49.5	39.1
55°	10.3	10.9	11.8	13.2	15.3	23.3	33.7	46.3	56.3	53.2	41.7
52.5°	12.3	12.4	12.4	12.3	14.2	19.5	27.1	38.5	44.6	43.7	40.1
50°	14.5	14.8	14.7	14.2	15.1	16.6	21.5	30.0	33.3	35.1	33.7
47.5°	20.3	20.0	18.6	17.9	18.3	18.1	19.7	22.1	26.9	27.3	27.8
45°	30.5	29.7	27.3	26.3	24.6	23.6	21.9	24.3	25.5	26.4	23.2
42.5°	47.8	44.6	41.5	39.9	36.6	33.4	30.7	31.3	30.8	29.6	28.7
40°	75.6	65.9	62.1	58.9	54.7	47.8	46.3	42.5	40.5	37.0	38.1
37.5°	133.5	102.6	96.2	83.2	77.2	73.1	68.1	61.1	53.2	56.5	56.1
35°	254.9	209.8	168.3	135.4	108.7	113.5	99.7	86.0	80.9	85.4	81.3
32.5°	449.5	446.2	327.3	253.1	222.2	189.8	156.4	121.7	134.2	131.2	115.8
30°	941.2	1006.0	772.7	564.0	514.7	365.8	247.4	227.3	217.1	192.2	160.4
27.5°	2482.3	2216.7	1815.7	1426.8	1050.9	755.0	488.3	360.9	324.3	279.8	228.0
25°	4826.8	4312.3	3421.7	2738.8	2129.9	1303.4	835.4	590.4	462.0	388.1	319.5
22.5°	7471.9	6386.3	5186.0	4162.4	3241.0	2149.0	1331.4	855.2	617.0	515.7	427.8
20°	10500.2	8611.5	7047.3	5705.5	4325.0	2941.4	1887.2	1278.7	874.4	658.1	538.2
17.5°	15552.4	11399.0	9514.8	7608.4	5721.2	3949.3	2912.6	1949.1	1152.7	806.8	648.0
15°	22362.7	17102.6	13481.8	10308.7	7813.3	6055.8	4378.0	2802.8	1546.5	1011.3	784.2
12.5°	33886.2	25160.2	18550.6	14248.4	11359.2	8722.7	6290.3	4067.4	2223.4	1278.8	950.2
10°	44959.8	33690.8	25177.2	19506.9	15380.6	11749.8	8241.8	5198.3	2836.7	1556.7	1109.5
7.5°	55668.9	41742.9	31369.5	23979.0	18497.6	13916.7	9828.4	6239.8	3371.1	1828.2	1261.4
5°	64367.7	47596.7	35087.4	26177.4	20577.0	15808.1	11317.1	7216.8	3820.8	2085.2	1404.5
2.5°	69567.8	51155.2	37904.8	27746.5	22048.1	17114.5	12396.8	7820.3	4030.9	2222.7	1484.6
0°	71371.0	52970.4	37997.3	27806.2	21959.5	17240.1	12874.8	8013.7	4071.4	2306.6	1554.4
-2.5°	70709.0	51701.7	37318.0	27102.2	21390.3	16520.1	12282.2	8048.7	4299.1	2393.3	1607.4
-5°	67556.0	48163.3	34789.0	25473.6	20193.9	15672.8	11655.2	7879.5	4402.8	2433.8	1648.7
-7.5°	62587.2	44579.9	31709.9	23445.7	18708.7	14663.9	10986.8	7533.2	4349.4	2405.6	1655.5
-10°	56117.9	41226.0	30038.6	22844.2	17823.6	13570.0	10222.6	7046.9	4128.0	2324.3	1649.6
-12.5°	51418.5	37868.8	28009.7	22206.4	17594.8	13344.4	9773.9	6477.8	3719.2	2186.0	1630.6
-15°	45120.7	34422.7	26725.0	21353.2	17026.7	12811.4	9197.2	5775.1	3085.3	1970.3	1598.5
-17.5°	38188.1	30500.2	24418.5	19316.3	15255.7	11861.2	8249.0	4964.9	2628.8	1747.2	1514.5
-20°	30770.4	25636.4	21027.7	16641.6	12815.6	9605.4	6687.6	3875.2	2235.4	1632.5	1420.2



REPORT NUMBER: P701568 (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°	24507.5	20640.0	16694.3	13220.9	10059.0	7277.7	4811.5	2716.0	1746.8	1506.2	1311.7
-25°	18315.7	15537.1	12383.9	9958.0	7366.6	4958.1	3133.6	2078.3	1568.1	1374.4	1190.2
-27.5°	13408.5	11146.4	9128.1	7214.7	5149.9	3355.8	2169.9	1568.1	1406.5	1240.8	1070.1
-30°	10087.8	8473.0	6755.0	5088.0	3543.7	2253.4	1587.7	1398.1	1264.1	1118.6	967.2
-32.5°	7529.7	6162.3	4721.7	3417.3	2305.8	1669.5	1408.0	1245.4	1137.6	1011.3	894.8
-35°	5199.2	4123.4	2998.7	2220.3	1632.5	1432.6	1285.9	1154.8	1025.8	916.3	830.7
-37.5°	3255.4	2490.7	1998.5	1561.5	1432.6	1306.7	1189.3	1058.8	929.8	848.7	774.8
-40°	2061.9	1648.0	1524.6	1408.7	1305.8	1205.0	1079.5	954.6	868.4	787.3	722.8
-42.5°	1557.5	1464.5	1372.2	1284.8	1189.0	1075.5	966.3	884.8	808.0	738.2	683.1
-45°	1399.3	1324.0	1244.0	1149.9	1048.4	965.2	888.0	818.4	752.1	700.7	647.8
-47.5°	1249.8	1172.7	1090.4	1019.6	949.9	881.4	818.9	757.2	716.6	668.5	601.3
-50°	1092.9	1041.6	984.3	923.7	868.7	811.7	768.6	729.2	681.9	621.3	550.0
-52.5°	997.9	955.7	907.6	853.0	813.5	780.8	743.1	690.1	634.8	562.8	485.6
-55°	943.1	906.5	872.2	834.5	790.1	742.3	693.0	633.9	563.2	490.8	420.6
-57.5°	938.5	897.1	847.3	794.3	737.9	677.8	614.4	549.6	484.2	418.5	353.9
-60°	899.4	849.2	781.1	712.7	644.9	582.1	521.5	461.6	402.6	343.6	286.1
-62.5°	777.7	723.0	659.2	594.2	533.1	477.0	421.8	366.6	315.3	266.3	219.9
-65°	605.0	556.2	505.2	455.8	405.7	355.4	308.4	269.4	233.3	195.4	156.8
-67.5°	428.3	392.3	352.9	314.6	282.5	251.4	221.1	189.4	163.5	141.4	119.0
-70°	281.0	258.8	234.9	210.4	189.9	171.6	152.0	132.6	114.1	97.3	79.9
-72.5°	174.4	161.8	148.5	134.5	120.1	107.4	94.6	81.2	67.6	53.8	43.6
-75°	100.3	91.6	82.3	73.2	63.6	53.5	47.5	43.3	39.2	35.0	30.8
-77.5°	54.2	49.4	45.0	41.8	38.3	34.6	30.8	28.1	26.3	24.6	22.9
-80°	36.1	33.3	30.5	28.2	25.9	23.7	21.6	20.4	19.3	18.4	17.6
-82.5°	24.4	22.5	20.5	19.1	17.8	16.5	15.4	14.9	14.4	13.8	13.2
-85°	16.9	15.1	13.4	12.8	12.1	11.5	11.0	10.8	10.5	10.3	10.0
-87.5°	11.3	9.7	8.1	8.1	8.0	8.0	7.9	8.0	8.1	8.2	8.3
-90°	3.2	3.7	4.2	4.2	4.2	4.2	4.2	4.7	5.3	5.8	6.3



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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°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	6.3	6.3	6.3	6.3	6.8	7.3	7.8	8.3	8.3	8.3	8.3
85°	6.5	6.6	6.6	6.6	6.9	7.3	7.8	8.3	8.3	8.3	8.3
82.5°	6.8	7.3	7.6	7.7	7.7	7.8	8.0	8.3	8.4	8.3	8.3
80°	6.9	7.4	7.9	8.3	8.3	8.3	8.2	8.3	8.6	8.7	8.6
77.5°	7.4	7.6	7.9	8.3	8.3	8.3	8.3	8.4	8.9	9.1	9.1
75°	8.3	8.2	8.2	8.4	8.4	8.3	8.3	8.5	9.0	9.5	9.6
72.5°	8.3	8.3	8.3	8.6	8.9	8.9	8.6	8.5	9.0	9.5	10.0
70°	9.7	8.6	8.3	8.6	9.2	9.6	9.5	9.2	9.1	9.6	10.1
67.5°	12.5	11.2	9.9	9.0	9.2	9.8	10.3	9.9	9.6	9.7	10.1
65°	15.8	13.9	12.3	10.7	9.9	9.8	10.3	10.4	10.1	9.9	10.2
62.5°	19.8	16.6	14.6	12.4	10.9	10.3	10.4	10.4	10.4	10.2	10.3
60°	24.3	19.5	16.7	14.5	12.2	10.6	10.4	10.4	10.4	10.4	10.4
57.5°	29.1	21.7	18.6	16.3	14.1	11.6	10.4	10.4	10.4	10.4	10.4
55°	32.3	24.6	20.5	17.7	15.6	13.3	10.9	10.4	10.4	10.4	10.4
52.5°	31.9	26.5	22.6	19.0	16.5	14.7	12.3	10.4	10.4	10.4	10.4
50°	28.8	27.2	24.0	20.3	17.3	15.4	13.6	11.3	10.4	10.4	10.4
47.5°	27.7	27.5	24.8	21.1	17.9	16.1	14.3	12.3	10.4	10.4	10.4
45°	27.1	28.5	26.0	22.1	18.5	16.7	14.9	13.1	11.1	10.5	10.4
42.5°	27.7	29.9	28.3	23.2	20.3	17.3	15.4	13.6	11.6	10.6	10.5
40°	35.5	32.1	31.4	28.4	22.8	17.9	15.9	14.0	12.1	10.9	10.6
37.5°	45.7	39.2	34.7	38.0	27.6	20.7	16.4	14.4	12.8	11.6	10.9
35°	67.6	50.5	47.8	50.5	39.3	23.9	16.8	14.8	13.5	12.1	11.1
32.5°	95.2	75.7	72.3	65.6	54.1	27.5	18.8	15.8	14.1	12.7	11.4
30°	135.6	122.0	103.3	83.9	70.9	41.0	22.7	17.1	14.8	13.3	11.7
27.5°	197.0	173.5	141.6	112.1	88.5	57.3	27.7	18.8	15.3	13.8	12.2
25°	267.8	231.7	190.4	146.6	108.1	79.5	33.0	20.8	16.4	14.3	12.6
22.5°	354.2	294.2	242.5	184.6	137.7	104.9	44.9	25.2	17.9	14.8	13.1
20°	444.3	359.8	298.5	227.0	173.3	129.8	64.2	29.6	19.4	15.2	13.4
17.5°	538.1	443.3	365.8	277.2	209.9	156.6	84.9	34.1	21.1	15.6	13.8
15°	664.5	550.1	439.5	330.4	244.7	184.8	106.3	38.5	22.9	16.0	14.2
12.5°	798.0	661.5	517.5	385.3	277.8	213.7	128.0	42.8	24.7	17.2	14.6
10°	930.4	775.4	598.1	440.8	309.1	242.9	149.4	48.8	28.7	19.0	15.1
7.5°	1060.3	889.4	679.0	495.4	342.5	280.8	184.5	58.8	33.1	21.0	15.5
5°	1177.7	990.9	759.0	562.3	395.8	327.5	221.7	68.7	37.5	23.1	15.9
2.5°	1252.2	1069.8	833.9	626.5	447.8	372.3	257.2	78.4	41.8	25.1	16.3
0°	1318.9	1139.8	902.2	685.5	498.0	414.6	289.6	87.5	45.8	27.1	16.7
-2.5°	1361.2	1180.8	939.6	732.3	549.9	461.1	328.9	113.2	60.7	34.9	19.9
-5°	1396.6	1212.9	970.9	774.1	599.3	504.2	362.7	137.4	74.9	42.4	23.0
-7.5°	1409.6	1219.3	987.1	807.1	646.1	543.5	390.0	159.5	88.0	49.2	25.9
-10°	1409.7	1205.8	981.8	806.6	657.4	560.1	406.4	179.0	99.7	55.3	28.4
-12.5°	1399.7	1183.0	971.8	800.5	659.5	555.6	394.5	191.8	109.6	60.3	30.6
-15°	1378.8	1151.0	957.4	788.8	658.1	548.2	379.7	200.2	117.2	64.6	32.2
-17.5°	1336.5	1109.7	939.2	771.5	653.1	538.0	362.8	205.8	122.8	68.0	34.0
-20°	1236.9	1050.3	916.9	748.4	644.3	525.1	344.5	208.4	126.3	70.1	35.7



REPORT NUMBER: P701568 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-70-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1132.0	981.8	860.1	733.4	629.5	509.7	325.3	207.9	127.5	70.5	36.8
-25°	1024.4	912.0	798.7	698.7	608.4	480.9	314.1	204.2	126.1	69.3	37.2
-27.5°	937.7	842.1	739.5	664.0	573.9	453.1	308.3	202.1	123.1	66.4	36.9
-30°	859.7	777.4	696.5	628.0	538.6	413.7	298.3	196.8	119.6	64.4	35.8
-32.5°	798.8	717.5	658.5	588.0	495.3	373.6	276.8	188.0	113.6	63.0	35.0
-35°	750.1	676.9	621.0	548.1	448.6	342.0	250.4	175.6	105.0	60.6	33.7
-37.5°	702.3	646.0	578.0	503.4	402.1	307.7	225.9	156.4	93.9	57.0	31.8
-40°	668.5	610.0	539.6	453.1	360.1	270.7	199.5	137.6	86.5	52.3	29.1
-42.5°	633.0	566.7	490.7	403.9	317.0	239.6	172.1	117.9	78.3	47.9	25.6
-45°	584.7	517.0	437.0	355.2	272.9	206.7	149.3	98.8	69.2	43.0	22.7
-47.5°	531.6	458.3	383.2	305.5	235.3	174.4	125.7	87.8	59.4	37.2	21.0
-50°	468.4	399.8	329.5	261.7	197.3	147.7	104.0	76.1	51.1	30.0	19.1
-52.5°	410.5	342.7	279.5	218.5	165.6	120.1	90.2	63.9	42.1	25.5	16.7
-55°	351.7	288.3	231.0	179.2	133.5	101.3	75.6	52.9	32.5	22.0	14.3
-57.5°	292.8	234.7	185.6	140.8	109.0	84.3	61.5	41.1	26.8	18.3	14.0
-60°	232.4	184.3	140.2	112.8	89.5	67.3	47.3	30.9	22.0	15.0	13.5
-62.5°	175.2	136.4	112.5	90.7	69.7	50.2	33.8	24.8	16.8	14.4	13.0
-65°	131.6	108.5	87.5	67.7	49.2	34.8	26.2	18.3	15.2	13.9	12.7
-67.5°	98.0	78.6	60.6	43.7	34.1	26.3	18.5	15.8	14.5	13.3	12.7
-70°	63.0	47.2	38.4	31.7	24.8	18.6	16.4	15.0	13.8	13.1	12.6
-72.5°	38.4	33.0	27.5	22.0	19.3	17.1	15.4	14.2	13.4	12.8	12.5
-75°	26.2	23.4	21.1	18.9	16.9	15.4	14.3	13.5	12.9	12.5	12.0
-77.5°	20.9	19.0	17.3	16.0	14.9	14.0	13.2	12.7	12.3	11.9	11.4
-80°	16.4	15.4	14.5	13.7	13.0	12.5	12.2	11.8	11.5	11.2	10.8
-82.5°	12.6	12.3	12.0	11.9	11.7	11.4	11.2	11.0	10.7	10.4	10.2
-85°	10.1	10.3	10.5	10.7	10.6	10.4	10.2	10.1	9.9	9.7	9.6
-87.5°	8.7	9.0	9.3	9.5	9.4	9.3	9.3	9.2	9.1	9.0	8.9
-90°	6.3	6.3	6.3	6.3	6.8	7.3	7.8	8.3	8.3	8.3	8.3



REPORT NUMBER: P701568 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
85°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
82.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3
80°	8.4	8.3	8.3	8.3	8.3	8.3	8.3
77.5°	8.9	8.5	8.3	8.3	8.3	8.3	8.3
75°	9.4	8.9	8.4	8.3	8.3	8.3	8.3
72.5°	9.9	9.3	8.7	8.3	8.3	8.3	8.3
70°	10.4	9.8	9.1	8.3	8.3	8.3	8.3
67.5°	10.4	10.2	9.4	8.6	8.3	8.3	8.3
65°	10.4	10.4	9.7	8.9	8.3	8.3	8.3
62.5°	10.4	10.4	10.1	9.1	8.3	8.3	8.3
60°	10.4	10.4	10.4	9.3	8.3	8.3	8.3
57.5°	10.4	10.4	10.4	9.6	8.5	8.3	8.3
55°	10.4	10.4	10.4	9.8	8.6	8.3	8.3
52.5°	10.4	10.4	10.4	10.0	8.8	8.3	8.3
50°	10.4	10.4	10.4	10.2	8.9	8.3	8.3
47.5°	10.4	10.4	10.4	10.4	9.0	8.3	8.3
45°	10.4	10.4	10.4	10.4	9.2	8.3	8.3
42.5°	10.4	10.4	10.4	10.4	9.3	8.3	8.3
40°	10.4	10.4	10.4	10.4	9.4	8.3	8.3
37.5°	10.4	10.4	10.4	10.4	9.5	8.3	8.3
35°	10.4	10.4	10.4	10.4	9.6	8.3	8.3
32.5°	10.5	10.4	10.4	10.4	9.7	8.3	8.3
30°	10.7	10.4	10.4	10.4	9.8	8.3	8.3
27.5°	10.9	10.4	10.4	10.4	9.9	8.3	8.3
25°	11.2	10.4	10.4	10.4	10.0	8.3	8.3
22.5°	11.4	10.4	10.4	10.4	10.1	8.3	8.3
20°	11.7	10.6	10.4	10.4	10.1	8.3	8.3
17.5°	12.0	10.8	10.4	10.4	10.2	8.3	8.3
15°	12.2	11.0	10.4	10.4	10.3	8.3	8.3
12.5°	12.3	11.2	10.4	10.4	10.3	8.3	8.3
10°	12.4	11.5	10.4	10.4	10.3	8.3	8.3
7.5°	12.5	11.7	10.4	10.4	10.4	8.3	8.3
5°	12.5	12.0	10.4	10.4	10.4	8.3	8.3
2.5°	12.5	12.3	10.4	10.4	10.4	8.3	8.3
0°	12.5	12.5	10.4	10.4	10.4	8.3	8.3
-2.5°	13.6	12.5	10.4	10.4	10.4	8.3	8.3
-5°	14.7	12.5	10.4	10.4	10.4	8.3	8.3
-7.5°	15.7	12.4	10.4	10.4	10.4	8.3	8.3
-10°	16.5	12.3	10.4	10.4	10.3	8.3	8.3
-12.5°	17.2	12.2	10.4	10.4	10.3	8.3	8.3
-15°	17.7	12.1	10.4	10.4	10.3	8.3	8.3
-17.5°	18.0	12.0	10.4	10.4	10.2	8.3	8.3
-20°	18.4	11.9	10.4	10.4	10.1	8.3	8.3



REPORT NUMBER: P701568 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	19.1	11.7	10.4	10.4	10.1	8.3	8.3
-25°	19.5	11.8	10.4	10.4	10.0	8.3	8.3
-27.5°	19.4	12.0	10.4	10.4	9.9	8.3	8.3
-30°	18.8	12.1	10.4	10.4	9.8	8.3	8.3
-32.5°	17.8	12.0	10.5	10.4	9.7	8.3	8.3
-35°	17.3	11.7	10.6	10.4	9.6	8.3	8.3
-37.5°	17.0	11.5	10.7	10.4	9.5	8.3	8.3
-40°	16.5	11.6	10.7	10.4	9.4	8.3	8.3
-42.5°	15.6	11.6	10.8	10.4	9.3	8.3	8.3
-45°	14.6	11.6	10.8	10.5	9.2	8.3	8.3
-47.5°	13.2	11.6	10.9	10.5	9.0	8.3	8.3
-50°	12.9	11.6	11.0	10.4	8.9	8.3	8.3
-52.5°	12.8	11.5	11.0	10.2	8.8	8.3	8.3
-55°	12.6	11.5	11.1	10.0	8.6	8.3	8.3
-57.5°	12.3	11.6	11.1	9.9	8.5	8.3	8.3
-60°	12.1	11.6	11.2	9.7	8.3	8.3	8.3
-62.5°	12.2	11.7	10.9	9.5	8.3	8.3	8.3
-65°	12.2	11.7	10.6	9.2	8.3	8.3	8.3
-67.5°	12.3	11.6	10.3	9.0	8.3	8.3	8.3
-70°	12.3	11.2	10.0	8.8	8.3	8.3	8.3
-72.5°	11.9	10.8	9.7	8.7	8.3	8.3	8.3
-75°	11.4	10.4	9.3	8.7	8.3	8.3	8.3
-77.5°	10.9	10.0	9.2	8.6	8.3	8.3	8.3
-80°	10.4	9.6	9.0	8.6	8.3	8.3	8.3
-82.5°	9.9	9.3	8.8	8.5	8.3	8.3	8.3
-85°	9.4	9.0	8.7	8.4	8.3	8.3	8.3
-87.5°	8.8	8.6	8.5	8.4	8.3	8.3	8.3
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3

(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

