

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: P701716 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-5S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701716 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-32)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-70-5S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

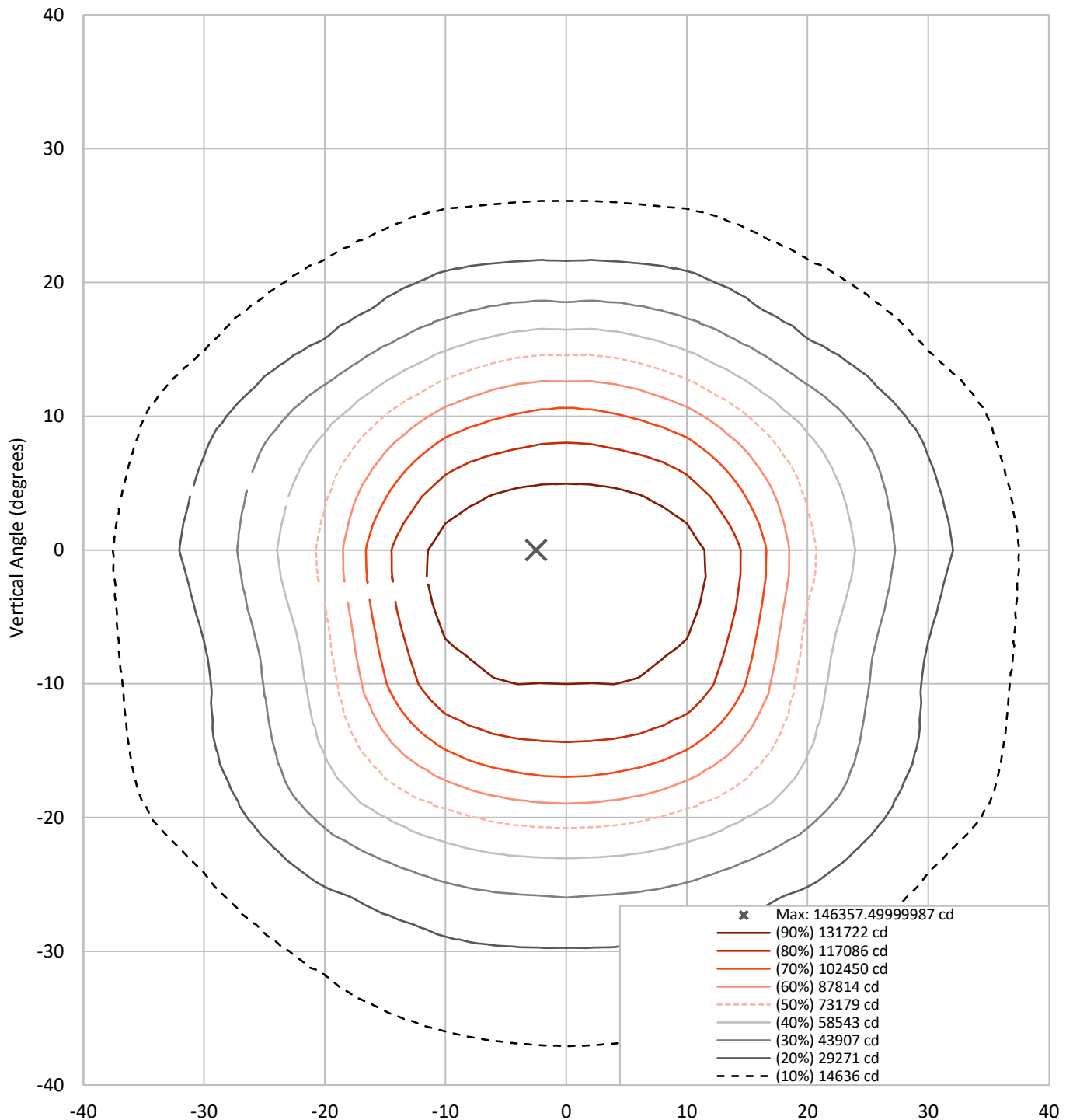
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	72231.5 lumens	Max Intensity:	146357.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	103.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.5°H x 35.3°V	Field Angle (10%):	75°H x 63°V
Beam Lumens:	39728.8 lumens	Field Lumens:	66172.3 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%

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





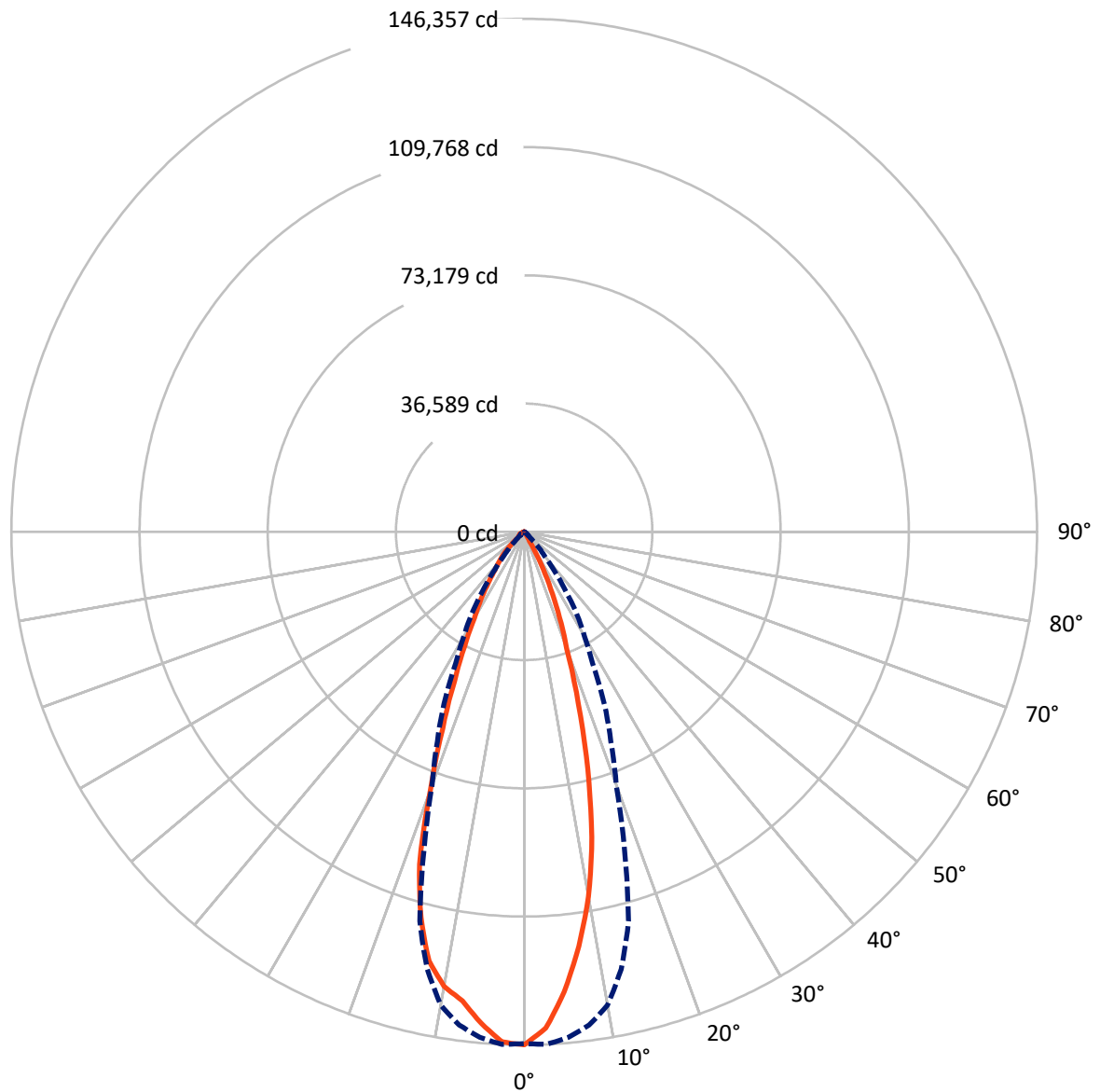
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Lumen Table

90																			
80	0.2	0.5		0.7		0.6		0.5		0.6		0.7		0.5		0.2			
70																			
60	0.2	0.1	0.2	0.4	0.6	0.4	0.4	0.5	0.5	0.4	0.4	0.6	0.4	0.2	0.1	0.2			
50		0.1	0.3	0.7	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.7	0.3	0.1				
40	0.2	0.2	0.4	0.7	0.9	1.2	1.8	2.1	2.1	1.8	1.2	0.9	0.7	0.4	0.2	0.2			
30		0.2	0.9	2.2	5.9	16.2	28.1	35.8	35.8	28.1	16.2	5.9	2.2	0.9	0.2				
20	0.2	0.4	3.2	11.0	64.1	184.4	374.8	541.1	541.1	374.8	184.4	64.1	11.0	3.2	0.4	0.2			
10		0.8	6.8	35.9	228.1	668.6	1370.2	2024.4	2024.4	1370.2	668.6	228.1	35.9	6.8	0.8				
0	0.3	1.6	11.6	78.2	469.3	1340.4	2806.6	3830.5	3830.5	2806.6	1340.4	469.3	78.2	11.6	1.6	0.3			
-10		2.7	15.8	94.6	491.4	1372.6	3149.8	4198.1	4198.1	3149.8	1372.6	491.4	94.6	15.8	2.7				
-20	0.4	3.1	16.3	76.0	417.2	1130.1	2379.9	3277.3	3277.3	2379.9	1130.1	417.2	76.0	16.3	3.1	0.4			
-30		2.7	13.3	35.7	209.2	604.7	1112.1	1460.3	1460.3	1112.1	604.7	209.2	35.7	13.3	2.7				
-40	0.4	2.1	9.2	20.8	61.1	227.8	419.2	546.9	546.9	419.2	227.8	61.1	20.8	9.2	2.1	0.4			
-50		1.2	5.5	14.7	27.0	50.6	113.9	171.9	171.9	113.9	50.6	27.0	14.7	5.5	1.2				
-60	0.3	0.6	2.8	8.2	17.2	28.3	38.9	45.0	45.0	38.9	28.3	17.2	8.2	2.8	0.6	0.3			
-70		0.3	1.0	3.2	7.1	12.6	18.9	22.6	22.6	18.9	12.6	7.1	3.2	1.0	0.3				
-80	0.2	0.8		2.6		6.8		9.5		6.8		2.6		0.8		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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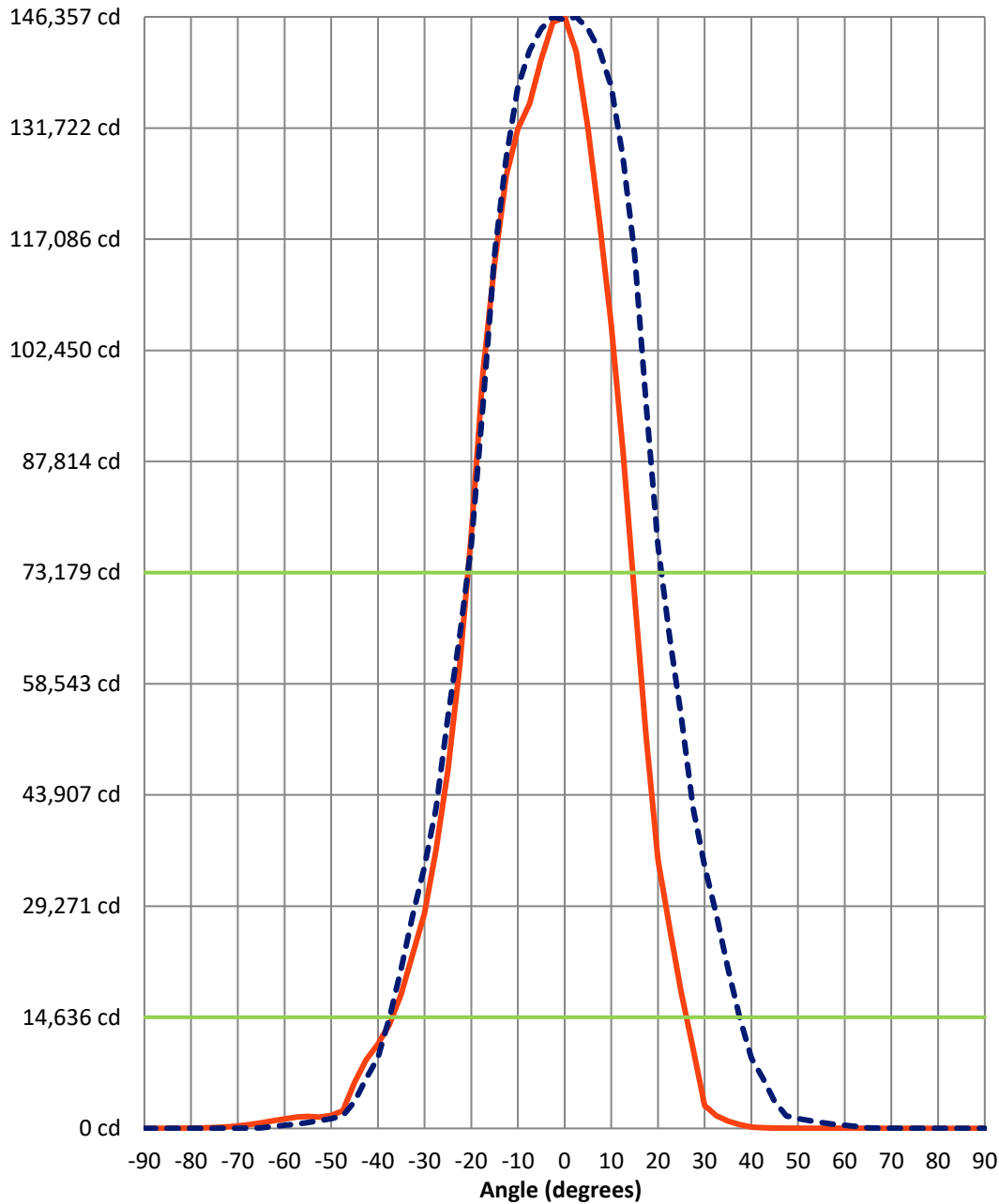
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 41.5°
 V Angle: 35.3°
 Lumens: 39728.8
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 66172.3
 Efficiency: 91.6%

Spill:
 Lumens: 6059.2
 Efficiency: 8.4%

— Vertical Distribution through -2.5-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°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
87.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
85°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
82.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
80°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
77.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
75°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.7	8.6
72.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.6	9.0	9.0	8.7
70°	8.5	8.5	8.5	8.5	8.5	8.5	8.6	9.2	9.4	9.3	9.4
67.5°	8.5	8.5	8.5	8.5	8.5	8.5	9.1	9.7	9.9	9.9	10.2
65°	8.5	8.5	8.5	8.5	8.5	8.7	9.6	10.3	10.2	10.4	10.7
62.5°	8.5	8.5	8.5	8.5	8.5	9.1	10.1	10.6	10.5	10.7	10.7
60°	8.5	8.5	8.5	8.5	8.5	9.6	10.6	10.7	10.7	10.7	10.7
57.5°	8.5	8.5	8.5	8.5	8.8	10.0	10.7	10.7	10.7	10.7	10.7
55°	8.5	8.5	8.5	8.5	9.1	10.4	10.7	10.7	10.7	10.7	10.7
52.5°	8.5	8.5	8.5	8.5	9.4	10.7	10.7	10.7	10.7	10.7	10.7
50°	8.5	8.5	8.5	8.5	9.7	10.7	10.7	10.7	10.7	10.7	11.3
47.5°	8.5	8.5	8.5	8.6	10.0	10.7	10.7	10.7	10.7	10.7	12.0
45°	8.5	8.5	8.5	8.8	10.3	10.7	10.7	10.7	10.8	11.3	12.7
42.5°	8.5	8.5	8.5	9.0	10.6	10.7	10.7	10.8	10.9	11.9	13.4
40°	8.5	8.5	8.5	9.1	10.7	10.7	10.7	10.9	11.2	12.4	14.0
37.5°	8.5	8.5	8.5	9.3	10.7	10.7	10.7	11.2	11.9	13.1	14.6
35°	8.5	8.5	8.5	9.4	10.7	10.7	10.7	11.4	12.4	13.9	15.1
32.5°	8.5	8.5	8.5	9.4	10.7	10.7	10.8	11.7	13.0	14.7	16.2
30°	8.5	8.5	8.5	9.5	10.7	10.7	11.0	12.0	13.6	15.6	17.5
27.5°	8.5	8.5	8.5	9.5	10.6	10.7	11.2	12.5	14.2	16.5	18.9
25°	8.5	8.5	8.5	9.5	10.6	10.7	11.5	12.9	14.9	17.6	20.5
22.5°	8.5	8.5	8.5	9.5	10.5	10.7	11.7	13.4	15.6	18.8	24.1
20°	8.5	8.5	8.5	9.4	10.5	10.7	12.0	13.7	16.4	20.1	27.8
17.5°	8.5	8.5	8.5	9.4	10.5	10.7	12.2	14.1	17.1	21.4	31.5
15°	8.5	8.5	8.5	9.3	10.6	10.7	12.4	14.4	17.8	22.7	35.2
12.5°	8.5	8.5	8.5	9.2	10.6	10.7	12.5	14.5	18.5	24.1	38.8
10°	8.5	8.5	8.5	9.0	10.6	10.7	12.6	14.7	19.2	26.0	43.6
7.5°	8.5	8.5	8.5	8.9	10.6	10.7	12.7	14.8	19.8	28.1	51.5
5°	8.5	8.5	8.5	8.8	10.7	10.7	12.8	14.8	20.4	30.2	59.5
2.5°	8.5	8.5	8.5	8.6	10.7	10.7	12.8	14.9	20.9	32.2	67.4
0°	8.5	8.5	8.5	8.5	10.7	10.7	12.8	14.9	21.3	34.1	74.7
-2.5°	8.5	8.5	8.5	8.6	10.7	11.2	13.6	16.9	27.0	46.7	96.6
-5°	8.5	8.5	8.5	8.8	10.7	11.6	14.4	18.8	32.5	58.8	117.0
-7.5°	8.5	8.5	8.5	8.9	10.6	12.0	15.2	20.6	37.5	69.9	135.6
-10°	8.5	8.5	8.5	9.0	10.6	12.4	15.9	22.3	41.9	79.6	151.8
-12.5°	8.5	8.5	8.5	9.2	10.6	12.7	16.5	23.7	45.4	87.8	163.1
-15°	8.5	8.5	8.5	9.3	10.6	13.0	17.1	24.9	48.9	94.8	170.8
-17.5°	8.5	8.5	8.5	9.4	10.5	13.2	17.5	26.6	52.3	100.0	175.9
-20°	8.5	8.5	8.5	9.4	10.5	13.2	18.1	28.5	54.5	103.1	178.3



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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.5	8.5	8.5	9.5	10.5	13.2	18.7	29.9	55.4	104.1	177.7
-25°	8.5	8.5	8.5	9.5	10.6	13.1	19.0	30.6	54.8	102.7	174.1
-27.5°	8.5	8.5	8.5	9.5	10.6	13.0	19.1	30.7	52.7	100.1	172.1
-30°	8.5	8.5	8.5	9.5	10.7	12.8	18.8	30.0	51.5	97.6	167.0
-32.5°	8.5	8.5	8.5	9.4	10.8	12.5	18.1	29.5	50.8	92.9	158.6
-35°	8.5	8.5	8.5	9.4	10.9	12.1	17.5	28.7	49.0	86.0	146.8
-37.5°	8.5	8.5	8.5	9.3	11.0	11.8	17.0	27.4	46.2	76.7	129.6
-40°	8.5	8.5	8.5	9.1	11.0	11.9	16.3	25.5	42.2	70.6	113.5
-42.5°	8.5	8.5	8.5	9.0	11.0	11.9	15.5	22.9	38.7	63.4	96.6
-45°	8.5	8.5	8.5	8.8	10.8	11.9	14.6	20.7	35.2	55.3	80.1
-47.5°	8.5	8.5	8.5	8.7	10.5	11.9	13.5	19.4	30.8	46.8	70.5
-50°	8.5	8.5	8.5	8.7	10.3	11.9	13.2	18.0	25.5	40.6	60.1
-52.5°	8.5	8.5	8.5	8.7	10.1	11.8	13.1	16.3	22.3	33.9	49.6
-55°	8.5	8.5	8.5	8.8	9.8	11.5	12.9	14.6	19.9	26.8	41.3
-57.5°	8.5	8.5	8.5	8.8	9.6	11.2	12.6	14.3	17.5	22.9	32.6
-60°	8.5	8.5	8.5	8.8	9.3	10.8	12.3	13.8	15.3	19.9	25.2
-62.5°	8.5	8.5	8.5	8.9	9.4	10.5	11.9	13.3	14.8	16.7	21.6
-65°	8.5	8.5	8.5	8.9	9.4	10.1	11.5	12.8	14.2	15.5	17.8
-67.5°	8.5	8.5	8.5	8.9	9.4	9.9	11.0	12.3	13.6	14.8	16.1
-70°	8.5	8.5	8.5	9.0	9.5	10.0	10.6	11.8	13.0	14.1	15.3
-72.5°	8.5	8.5	8.5	8.9	9.5	10.0	10.6	11.2	12.3	13.4	14.5
-75°	8.5	8.5	8.5	8.9	9.5	10.1	10.6	11.0	11.7	12.7	13.7
-77.5°	8.5	8.5	8.5	8.8	9.4	10.1	10.6	10.9	11.4	12.0	12.9
-80°	8.5	8.5	8.5	8.8	9.2	9.9	10.7	10.8	11.1	11.5	12.1
-82.5°	8.5	8.5	8.5	8.7	9.1	9.6	10.2	10.5	10.7	10.9	11.2
-85°	8.5	8.5	8.5	8.6	8.9	9.2	9.6	9.8	10.0	10.2	10.4
-87.5°	8.5	8.5	8.5	8.6	8.7	8.9	9.1	9.2	9.3	9.3	9.4
-90°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5



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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°	8.5	8.5	8.5	8.5	8.0	7.5	6.9	6.4	6.4	6.4	6.4
87.5°	8.2	8.0	7.8	7.6	7.4	7.1	6.8	6.4	5.9	5.4	4.8
85°	8.5	8.5	8.5	8.5	8.0	7.5	6.9	6.4	6.1	5.9	5.8
82.5°	8.5	8.5	8.5	8.5	8.0	7.5	7.0	6.5	6.4	6.4	6.4
80°	8.5	8.5	8.5	8.5	8.1	7.5	7.0	6.5	6.4	6.5	6.5
77.5°	8.5	8.5	8.5	8.5	8.1	7.8	7.6	7.6	7.6	7.4	7.0
75°	8.5	8.5	8.6	8.6	8.4	8.4	8.5	8.5	8.2	7.7	7.1
72.5°	8.9	9.1	9.1	8.8	8.5	8.5	8.5	8.5	8.8	8.9	8.7
70°	9.7	9.8	9.4	8.9	8.5	8.7	9.7	10.8	11.8	11.7	11.6
67.5°	10.5	10.0	9.5	9.1	9.4	10.4	11.8	13.5	15.1	15.1	15.6
65°	10.6	10.1	9.9	10.1	10.6	12.5	14.4	16.3	20.8	23.6	25.0
62.5°	10.7	10.4	10.5	11.2	12.8	14.9	17.8	22.9	30.1	33.9	32.8
60°	10.7	10.6	11.4	13.0	14.8	16.9	21.5	28.6	38.0	44.7	40.7
57.5°	10.7	11.2	12.7	14.4	15.8	17.7	24.0	32.9	43.8	55.6	48.3
55°	11.0	12.1	13.7	15.3	16.8	18.4	24.9	35.0	47.4	54.5	47.5
52.5°	11.8	13.0	14.5	16.2	17.8	19.4	24.3	34.0	41.4	46.9	43.5
50°	12.6	13.8	15.3	17.0	18.9	20.7	21.5	29.4	35.3	37.9	37.6
47.5°	13.4	14.7	16.1	18.0	20.4	21.9	21.8	25.8	30.2	32.9	30.7
45°	14.1	15.5	16.9	19.6	22.1	23.5	24.8	23.9	30.8	32.7	31.3
42.5°	14.8	16.3	18.9	21.3	24.5	28.0	30.0	32.5	35.9	39.2	38.4
40°	15.5	17.2	21.4	26.4	28.7	35.3	41.6	45.5	46.9	49.9	49.9
37.5°	16.2	19.8	26.3	36.9	37.1	46.8	55.8	64.9	67.6	62.6	71.0
35°	16.9	22.8	39.9	52.6	54.7	62.1	77.1	90.9	99.1	94.4	102.1
32.5°	18.8	26.1	57.6	70.9	84.1	90.8	101.5	131.3	160.0	168.6	153.5
30°	22.1	42.2	77.6	90.9	122.1	142.7	149.1	189.2	249.1	301.5	404.8
27.5°	26.3	61.9	96.4	124.7	169.6	206.5	222.7	288.3	390.7	528.9	826.1
25°	30.8	82.7	116.4	167.6	231.7	274.7	301.2	393.7	565.5	1006.6	1561.9
22.5°	41.7	103.9	141.6	215.4	301.9	339.3	395.1	521.1	809.5	1542.6	2463.9
20°	58.6	123.9	177.4	262.6	377.1	400.9	481.6	643.3	1143.4	2253.9	3360.8
17.5°	75.2	146.4	216.7	318.4	434.9	482.8	565.5	754.6	1423.6	3145.2	4525.1
15°	91.3	170.9	253.8	374.9	502.6	596.8	723.6	1005.1	1959.0	4200.6	6066.6
12.5°	106.7	196.6	288.5	431.2	580.8	717.8	905.0	1413.7	2914.0	5433.6	8218.7
10°	120.9	222.8	320.7	486.1	666.5	843.2	1092.7	1860.6	3879.2	6506.7	9922.6
7.5°	154.0	262.8	356.7	538.6	756.2	970.0	1282.3	2325.7	4750.3	7414.7	11346.5
5°	190.8	316.7	425.4	620.9	850.6	1089.3	1456.0	2786.3	5514.1	8162.6	12629.1
2.5°	226.7	368.8	492.5	702.8	941.2	1193.2	1563.5	3187.9	6113.3	8795.5	13735.8
0°	260.2	418.0	556.7	778.5	1023.8	1288.3	1655.1	3538.4	6569.2	9307.8	14608.0
-2.5°	301.2	470.7	627.9	850.6	1051.6	1291.1	1656.5	3409.0	6668.4	9791.9	14280.8
-5°	336.6	518.8	694.0	916.0	1076.3	1287.1	1643.2	3211.2	6613.7	10051.3	14017.1
-7.5°	365.1	561.6	753.6	968.2	1099.1	1300.4	1675.2	3254.9	6522.6	10051.2	13851.7
-10°	381.6	573.8	754.0	965.4	1113.9	1317.2	1697.1	3177.9	6244.6	9843.0	13515.4
-12.5°	366.8	558.6	738.4	952.8	1123.2	1320.6	1690.0	2960.3	5776.0	9418.7	13095.5
-15°	349.3	540.5	716.3	929.5	1126.6	1309.1	1650.7	2587.5	5008.0	8504.9	12589.2
-17.5°	329.9	519.7	687.4	894.9	1123.7	1281.5	1554.7	1997.6	4014.0	7228.1	11427.5
-20°	309.2	496.8	651.4	848.1	1108.3	1217.9	1408.8	1772.1	3167.0	5796.8	9600.8



REPORT NUMBER: P701716 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	287.9	471.9	614.0	801.9	1018.7	1141.3	1272.4	1534.0	2239.2	4187.9	7239.1
-25°	275.8	440.4	581.4	741.0	926.9	1069.8	1135.3	1300.0	1653.0	3074.4	5285.0
-27.5°	270.3	410.5	541.2	678.3	843.0	995.0	1042.9	1149.5	1413.2	1983.2	3570.3
-30°	260.9	369.9	497.1	618.4	769.6	905.1	975.3	1042.8	1211.2	1519.4	2398.4
-32.5°	240.2	328.6	449.5	566.7	697.3	828.6	934.4	999.0	1105.0	1266.0	1557.5
-35°	214.7	298.1	401.1	510.9	625.9	757.6	876.9	971.7	1023.0	1134.0	1329.1
-37.5°	191.5	265.1	352.5	454.5	561.6	683.7	814.9	918.4	993.7	1046.8	1186.7
-40°	166.9	229.6	311.1	401.6	498.0	609.6	730.4	850.6	946.0	1025.4	1087.6
-42.5°	141.9	201.0	269.8	349.6	440.9	538.7	642.4	760.3	878.8	982.0	1060.4
-45°	122.4	171.3	228.0	304.4	384.8	470.2	564.2	661.8	789.0	906.0	1003.6
-47.5°	102.1	142.7	194.8	258.2	332.1	408.0	487.2	584.9	690.6	806.1	917.5
-50°	83.6	119.9	161.6	218.8	282.0	349.1	419.5	508.8	606.2	704.7	806.6
-52.5°	71.4	96.4	135.0	179.8	235.6	295.6	360.6	436.8	523.1	613.1	703.4
-55°	58.5	80.3	108.8	146.7	190.4	244.2	305.3	371.5	439.3	521.3	602.3
-57.5°	47.3	65.7	88.3	116.4	152.6	192.8	249.5	308.5	370.6	434.1	501.6
-60°	36.7	52.0	71.2	92.9	117.8	153.4	193.9	244.7	300.1	355.8	412.7
-62.5°	26.8	39.3	54.8	73.0	93.6	116.0	148.5	186.9	228.3	274.7	322.4
-65°	22.5	28.0	39.2	54.2	70.8	90.3	111.5	134.3	167.9	201.0	234.0
-67.5°	18.0	22.7	27.9	35.4	49.4	64.9	81.2	100.4	120.7	139.2	160.8
-70°	16.4	17.7	21.4	26.3	31.8	40.2	53.9	68.3	82.8	96.7	112.5
-72.5°	15.4	16.3	17.4	18.8	22.9	27.9	33.5	39.7	49.0	60.1	71.1
-75°	14.4	14.8	15.6	16.6	17.8	19.2	21.1	25.6	30.5	35.3	39.9
-77.5°	13.4	13.8	14.2	14.6	15.0	15.9	17.0	18.2	19.7	21.7	23.8
-80°	12.5	12.8	13.1	13.4	13.4	13.6	13.8	14.2	14.7	15.4	16.5
-82.5°	11.5	11.7	12.0	12.2	11.9	11.6	11.4	11.2	11.6	11.9	12.3
-85°	10.5	10.7	10.9	11.0	10.6	10.2	9.8	9.4	9.5	9.7	9.8
-87.5°	9.5	9.6	9.7	9.8	9.3	8.8	8.4	7.9	7.9	8.0	8.1
-90°	8.0	7.5	6.9	6.4	6.4	6.4	6.4	6.4	5.9	5.4	4.8



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.4	6.4	6.4	6.4	6.4	6.9	7.5	8.0	8.5	9.6	10.6
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.8	3.2
85°	5.6	5.4	5.1	4.7	4.3	4.3	4.3	4.3	4.3	3.8	3.2
82.5°	6.4	5.9	5.4	4.9	4.3	4.3	4.3	4.3	4.3	3.8	3.2
80°	6.4	6.1	5.9	5.7	5.6	5.4	5.1	4.8	4.3	3.8	3.2
77.5°	6.5	6.4	6.4	6.4	6.4	6.0	5.4	4.9	4.4	3.8	3.3
75°	6.6	6.5	6.6	6.6	6.5	6.2	6.1	6.0	6.0	5.7	5.2
72.5°	8.3	8.0	7.8	7.7	7.4	7.2	7.1	6.9	6.5	6.3	6.3
70°	11.4	11.2	10.9	10.6	10.2	9.7	9.4	8.9	8.2	8.1	8.2
67.5°	16.8	17.1	16.9	16.2	14.5	13.0	12.2	11.4	10.5	10.5	11.1
65°	24.6	21.5	19.5	17.8	16.3	15.1	14.4	13.5	12.7	12.9	14.7
62.5°	29.2	22.9	19.5	18.3	17.6	16.9	15.6	14.8	14.4	14.8	16.3
60°	34.0	24.6	18.4	17.2	16.1	15.0	14.9	14.9	14.9	15.1	15.8
57.5°	36.4	25.2	17.0	16.4	15.8	15.2	15.1	15.3	15.2	15.0	15.6
55°	35.6	25.4	17.5	16.7	16.5	16.7	16.8	15.9	15.3	14.9	15.5
52.5°	32.4	24.5	18.7	17.2	17.2	16.3	15.0	15.7	16.6	17.4	18.2
50°	28.9	23.1	20.1	18.7	18.7	18.8	18.8	19.9	21.0	21.7	22.6
47.5°	26.5	23.1	23.0	22.5	23.2	24.3	24.8	26.0	29.2	30.9	31.7
45°	26.7	28.4	29.5	30.6	30.5	36.5	40.9	43.3	46.1	48.7	50.8
42.5°	36.1	40.3	44.0	49.5	52.9	62.9	68.2	61.6	75.3	87.1	89.8
40°	55.3	61.3	74.4	89.0	106.6	114.1	149.7	151.3	166.7	205.2	217.7
37.5°	84.2	101.2	146.9	185.5	246.8	283.2	328.3	371.7	406.5	442.2	466.6
35°	131.2	218.4	287.1	407.5	489.9	531.5	585.1	649.2	676.3	788.7	874.7
32.5°	280.3	436.8	623.4	719.7	827.8	910.3	898.8	1165.1	1267.8	1436.8	1574.3
30°	518.0	892.0	1393.0	1393.1	1373.7	1829.2	1996.0	2340.0	2692.7	2927.8	3489.6
27.5°	1197.4	1991.2	2784.8	2800.8	3144.5	4095.8	4637.5	4800.3	6330.8	7313.7	8654.3
25°	2206.5	3513.1	4607.7	5117.0	6138.1	7687.9	8605.3	9699.3	11983.6	14586.5	16229.7
22.5°	3286.2	4678.6	6323.5	7483.5	9440.4	11434.1	13102.5	15516.5	18586.6	21491.0	23456.1
20°	4099.0	5734.7	8058.0	10494.7	12973.8	15473.0	18064.7	21381.7	25537.7	29074.4	32271.1
17.5°	5756.2	7485.7	10630.0	13944.2	17308.9	19979.1	24072.0	28050.1	33113.4	38245.6	42220.7
15°	8208.4	10996.2	14142.1	18441.1	23173.6	27259.6	31599.2	38580.5	44740.3	51336.5	57230.0
12.5°	11355.2	15050.0	19218.9	24162.9	30365.6	36777.8	43396.4	50765.2	58821.8	66745.1	75155.7
10°	14293.4	19371.3	24753.8	30837.2	37935.2	46033.0	54119.7	62469.0	73664.5	83811.3	92805.2
7.5°	16322.0	22302.6	28908.8	36344.4	45105.6	53718.2	62853.0	74205.4	87284.6	98790.3	108007.5
5°	18143.7	24920.7	31516.9	39033.8	49219.8	59064.0	69857.3	83674.9	98563.6	111181.1	120366.9
2.5°	19729.7	27022.5	33428.4	41001.1	52184.6	62427.0	74213.1	90680.4	108025.2	120663.7	130355.8
0°	21034.4	28151.7	34509.8	42309.7	54134.4	64683.5	76774.8	95087.6	115053.4	127820.8	137137.1
-2.5°	19771.2	26227.9	32503.8	40404.1	52320.2	63124.0	76192.6	94819.8	114414.0	128184.3	137803.8
-5°	18817.1	24713.4	30671.2	38488.6	48969.3	58987.1	71250.3	90407.1	111030.6	124944.5	134677.9
-7.5°	18077.7	23223.5	28640.3	35838.7	45426.2	56049.7	69198.1	87681.4	107169.3	121241.4	130060.8
-10°	17271.6	21692.2	27595.7	34851.0	44174.4	54302.1	65983.0	83080.9	102771.2	116310.8	126640.4
-12.5°	17026.1	21693.8	27640.2	33939.7	42515.7	52241.5	63378.0	77941.8	93034.2	107232.0	116290.6
-15°	16630.1	21366.9	27186.4	33111.4	40886.2	50253.2	59549.8	70312.6	82927.2	93186.1	102649.1
-17.5°	15853.7	20405.5	24779.0	30315.4	37882.5	46566.3	53610.4	62074.6	71175.9	78998.6	86136.5
-20°	13995.2	17090.7	21235.8	26456.7	32941.5	39973.0	46386.7	52493.5	58342.4	64302.0	68430.4



REPORT NUMBER: P701716 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10708.9	13681.5	17156.9	21493.6	26634.4	32762.3	38430.2	42566.2	47218.7	51510.0	55038.2
-25°	7831.4	10009.3	13253.1	16953.6	20308.4	25216.6	29566.2	32359.5	36443.3	39651.3	42705.3
-27.5°	5663.3	7796.2	10441.4	13365.5	15880.8	18517.6	22357.3	25024.7	28236.6	30696.4	33243.8
-30°	3865.4	6214.3	8652.1	11043.9	12957.5	14949.5	17077.3	19708.4	22286.9	24353.6	26193.8
-32.5°	2681.0	4383.0	6765.4	8993.9	10723.4	12242.2	13640.5	15639.2	17568.7	19250.8	20630.2
-35°	1642.5	2849.6	4499.6	6621.6	8449.9	9909.5	11199.0	12472.1	13706.5	14972.2	16038.5
-37.5°	1389.6	1677.7	2705.9	4167.1	5908.7	7533.1	8796.2	9847.4	10779.2	11742.4	12500.7
-40°	1228.1	1400.4	1658.4	2192.9	3532.5	4883.0	6244.8	7376.2	8401.0	9255.1	9919.0
-42.5°	1121.5	1236.8	1362.4	1572.0	1820.4	2482.3	3653.6	4795.4	5907.0	6839.1	7620.4
-45°	1088.4	1146.3	1214.3	1326.4	1429.2	1630.6	1848.0	2073.3	2957.0	3894.7	4720.9
-47.5°	1013.2	1105.9	1167.5	1215.7	1273.0	1364.0	1447.5	1553.9	1757.0	1958.3	2122.8
-50°	913.3	1014.7	1099.8	1182.4	1240.7	1280.5	1310.9	1366.0	1447.0	1525.6	1589.1
-52.5°	792.4	890.7	989.7	1090.1	1173.0	1249.7	1321.7	1371.5	1409.3	1441.5	1458.0
-55°	682.5	764.7	847.5	948.4	1048.5	1144.7	1237.0	1315.7	1389.1	1457.6	1496.5
-57.5°	575.2	645.9	719.7	809.9	898.9	986.2	1075.7	1166.6	1255.4	1338.3	1386.3
-60°	472.7	535.6	602.4	675.2	752.5	833.1	910.3	987.2	1063.5	1131.1	1170.8
-62.5°	372.5	425.4	479.7	537.3	598.1	661.7	725.7	790.4	855.0	909.2	942.7
-65°	270.6	313.7	355.2	397.3	439.9	488.1	538.8	588.2	635.8	673.1	697.5
-67.5°	189.2	217.1	242.5	267.3	297.5	331.8	368.2	403.6	437.8	463.5	480.8
-70°	128.4	143.9	157.9	174.1	193.9	214.3	235.7	256.3	275.8	290.8	302.3
-72.5°	82.0	92.3	102.2	113.4	124.0	135.8	148.1	159.8	170.7	178.4	184.4
-75°	44.3	49.8	57.9	65.6	72.7	81.2	90.0	98.2	105.8	109.9	112.6
-77.5°	27.1	30.8	34.3	37.7	40.9	45.5	50.6	55.7	60.8	63.2	64.9
-80°	17.8	19.5	21.3	23.1	24.9	27.7	30.6	33.4	36.2	37.1	37.6
-82.5°	12.6	13.2	13.8	14.5	15.3	17.0	18.8	20.7	22.5	23.9	25.1
-85°	9.9	10.0	10.1	10.2	10.3	11.2	12.3	13.3	14.4	15.1	15.8
-87.5°	8.1	8.2	8.2	8.3	8.3	8.4	8.4	8.5	8.5	9.1	9.6
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.8	3.2



REPORT NUMBER: P701716 (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°	11.7	12.8	11.8	10.7	11.8	12.8	11.7	10.6	9.6	8.5	8.0
87.5°	2.7	2.1	1.1	0.0	1.1	2.1	2.7	3.2	3.8	4.3	4.3
85°	2.7	2.1	2.1	2.1	2.1	2.1	2.7	3.2	3.8	4.3	4.3
82.5°	2.7	2.1	2.1	2.1	2.1	2.1	2.7	3.2	3.8	4.3	4.3
80°	2.7	2.1	2.1	2.1	2.1	2.1	2.7	3.2	3.8	4.3	4.8
77.5°	2.7	2.1	3.2	4.3	3.2	2.1	2.7	3.3	3.8	4.4	4.9
75°	4.8	4.3	4.3	4.3	4.3	4.3	4.8	5.2	5.7	6.0	6.0
72.5°	6.3	6.3	6.4	6.4	6.4	6.3	6.3	6.3	6.3	6.5	6.9
70°	8.4	8.4	8.5	8.5	8.5	8.4	8.4	8.2	8.1	8.2	8.9
67.5°	11.9	12.6	12.8	12.8	12.8	12.6	11.9	11.1	10.5	10.5	11.4
65°	16.7	18.6	18.2	17.1	18.2	18.6	16.7	14.7	12.9	12.7	13.5
62.5°	17.6	18.9	19.2	19.2	19.2	18.9	17.6	16.3	14.8	14.4	14.8
60°	16.4	17.0	17.1	17.1	17.1	17.0	16.4	15.8	15.1	14.9	14.9
57.5°	16.2	16.9	17.1	17.1	17.1	16.9	16.2	15.6	15.0	15.2	15.3
55°	16.2	16.9	17.1	17.1	17.1	16.9	16.2	15.5	14.9	15.3	15.9
52.5°	18.7	19.0	19.2	19.2	19.2	19.0	18.7	18.2	17.4	16.6	15.7
50°	23.7	24.8	24.0	21.3	24.0	24.8	23.7	22.6	21.7	21.0	19.9
47.5°	31.6	30.6	29.8	29.9	29.8	30.6	31.6	31.7	30.9	29.2	26.0
45°	51.5	51.1	50.7	51.2	50.7	51.1	51.5	50.8	48.7	46.1	43.3
42.5°	92.9	93.2	91.7	89.6	91.7	93.2	92.9	89.8	87.1	75.3	61.6
40°	217.1	198.9	174.4	160.0	174.4	198.9	217.1	217.7	205.2	166.7	151.3
37.5°	488.9	503.2	504.5	494.8	504.5	503.2	488.9	466.6	442.2	406.5	371.7
35°	929.1	962.3	964.2	947.0	964.2	962.3	929.1	874.7	788.7	676.3	649.2
32.5°	1572.1	1646.9	1675.0	1667.9	1675.0	1646.9	1572.1	1574.3	1436.8	1267.8	1165.1
30°	3228.3	3250.7	3020.9	2600.0	3020.9	3250.7	3228.3	3489.6	2927.8	2692.7	2340.0
27.5°	9381.6	10247.5	10561.7	10423.3	10561.7	10247.5	9381.6	8654.3	7313.7	6330.8	4800.3
25°	16701.6	17272.1	17841.6	17907.6	17841.6	17272.1	16701.6	16229.7	14586.5	11983.6	9699.3
22.5°	24817.2	25628.0	26397.5	26221.5	26397.5	25628.0	24817.2	23456.1	21491.0	18586.6	15516.5
20°	34301.3	34860.5	35428.4	34799.9	35428.4	34860.5	34301.3	32271.1	29074.4	25537.7	21381.7
17.5°	46384.6	49017.3	51354.5	50297.3	51354.5	49017.3	46384.6	42220.7	38245.6	33113.4	28050.1
15°	62779.2	67361.5	70049.1	69906.9	70049.1	67361.5	62779.2	57230.0	51336.5	44740.3	38580.5
12.5°	81671.6	86460.3	89203.0	88635.7	89203.0	86460.3	81671.6	75155.7	66745.1	58821.8	50765.2
10°	98716.8	102477.1	105736.0	107012.5	105736.0	102477.1	98716.8	92805.2	83811.3	73664.5	62469.0
7.5°	113771.9	116573.7	119291.9	119777.7	119291.9	116573.7	113771.9	108007.5	98790.3	87284.6	74205.4
5°	126165.3	130134.7	131671.3	132280.6	131671.3	130134.7	126165.3	120366.9	111181.1	98563.6	83674.9
2.5°	136167.7	139798.6	141720.7	141153.3	141720.7	139798.6	136167.7	130355.8	120663.7	108025.2	90680.4
0°	141913.7	144787.7	146357.5	145982.1	146357.5	144787.7	141913.7	137137.1	127820.8	115053.4	95087.6
-2.5°	142480.0	144412.7	145640.5	145158.9	145640.5	144412.7	142480.0	137803.8	128184.3	114414.0	94819.8
-5°	138561.6	140134.3	140779.5	141055.2	140779.5	140134.3	138561.6	134677.9	124944.5	111030.6	90407.1
-7.5°	133162.6	135275.2	134953.9	135509.7	134953.9	135275.2	133162.6	130060.8	121241.4	107169.3	87681.4
-10°	129946.9	131896.7	131614.4	131764.4	131614.4	131896.7	129946.9	126640.4	116310.8	102771.2	83080.9
-12.5°	122144.8	124975.6	125410.2	125897.9	125410.2	124975.6	122144.8	116290.6	107232.0	93034.2	77941.8
-15°	108860.3	111970.8	113851.6	114274.9	113851.6	111970.8	108860.3	102649.1	93186.1	82927.2	70312.6
-17.5°	92070.8	96372.6	99396.9	100099.9	99396.9	96372.6	92070.8	86136.5	78998.6	71175.9	62074.6
-20°	73472.2	76551.6	78118.5	78963.1	78118.5	76551.6	73472.2	68430.4	64302.0	58342.4	52493.5



REPORT NUMBER: P701716 (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°	57829.3	59862.9	60735.9	60878.5	60735.9	59862.9	57829.3	55038.2	51510.0	47218.7	42566.2
-25°	45178.5	46564.7	47158.8	48036.5	47158.8	46564.7	45178.5	42705.3	39651.3	36443.3	32359.5
-27.5°	35060.1	36278.9	36822.3	37630.2	36822.3	36278.9	35060.1	33243.8	30696.4	28236.6	25024.7
-30°	27435.2	28169.4	28352.7	28392.8	28352.7	28169.4	27435.2	26193.8	24353.6	22286.9	19708.4
-32.5°	21701.3	22528.2	23021.9	23241.9	23021.9	22528.2	21701.3	20630.2	19250.8	17568.7	15639.2
-35°	16837.1	17382.1	17706.6	18071.8	17706.6	17382.1	16837.1	16038.5	14972.2	13706.5	12472.1
-37.5°	13090.3	13494.5	13718.1	13793.3	13718.1	13494.5	13090.3	12500.7	11742.4	10779.2	9847.4
-40°	10448.7	10850.0	11090.9	11127.2	11090.9	10850.0	10448.7	9919.0	9255.1	8401.0	7376.2
-42.5°	8214.0	8714.1	9037.5	9111.6	9037.5	8714.1	8214.0	7620.4	6839.1	5907.0	4795.4
-45°	5325.1	5790.5	6036.8	6021.1	6036.8	5790.5	5325.1	4720.9	3894.7	2957.0	2073.3
-47.5°	2228.0	2303.0	2335.2	2324.8	2335.2	2303.0	2228.0	2122.8	1958.3	1757.0	1553.9
-50°	1639.3	1681.8	1705.2	1710.6	1705.2	1681.8	1639.3	1589.1	1525.6	1447.0	1366.0
-52.5°	1472.1	1487.7	1493.2	1493.0	1493.2	1487.7	1472.1	1458.0	1441.5	1409.3	1371.5
-55°	1532.6	1566.9	1580.4	1580.5	1580.4	1566.9	1532.6	1496.5	1457.6	1389.1	1315.7
-57.5°	1429.9	1468.5	1486.3	1490.9	1486.3	1468.5	1429.9	1386.3	1338.3	1255.4	1166.6
-60°	1206.4	1237.4	1251.0	1254.1	1251.0	1237.4	1206.4	1170.8	1131.1	1063.5	987.2
-62.5°	971.4	994.8	1002.1	1000.3	1002.1	994.8	971.4	942.7	909.2	855.0	790.4
-65°	717.9	734.1	735.3	729.4	735.3	734.1	717.9	697.5	673.1	635.8	588.2
-67.5°	494.6	504.9	505.3	501.2	505.3	504.9	494.6	480.8	463.5	437.8	403.6
-70°	312.0	319.8	320.2	317.8	320.2	319.8	312.0	302.3	290.8	275.8	256.3
-72.5°	189.6	193.9	197.7	200.5	197.7	193.9	189.6	184.4	178.4	170.7	159.8
-75°	114.7	116.2	116.0	115.2	116.0	116.2	114.7	112.6	109.9	105.8	98.2
-77.5°	66.4	67.7	70.2	72.5	70.2	67.7	66.4	64.9	63.2	60.8	55.7
-80°	38.0	38.2	39.4	40.5	39.4	38.2	38.0	37.6	37.1	36.2	33.4
-82.5°	26.4	27.6	27.7	27.7	27.7	27.6	26.4	25.1	23.9	22.5	20.7
-85°	16.4	17.0	18.1	19.2	18.1	17.0	16.4	15.8	15.1	14.4	13.3
-87.5°	10.2	10.7	10.7	10.7	10.7	10.7	10.2	9.6	9.1	8.5	8.5
-90°	2.6	2.1	1.0	0.0	1.0	2.1	2.7	3.2	3.8	4.3	4.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.5	6.9	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.8	5.4	5.9	6.4
85°	4.3	4.3	4.3	4.7	5.1	5.4	5.6	5.8	5.9	6.1	6.4
82.5°	4.3	4.3	4.3	4.9	5.4	5.9	6.4	6.4	6.4	6.4	6.5
80°	5.1	5.4	5.6	5.7	5.9	6.1	6.4	6.5	6.5	6.4	6.5
77.5°	5.4	6.0	6.4	6.4	6.4	6.4	6.5	7.0	7.4	7.6	7.6
75°	6.1	6.2	6.5	6.6	6.6	6.5	6.6	7.1	7.7	8.2	8.5
72.5°	7.1	7.2	7.4	7.7	7.8	8.0	8.3	8.7	8.9	8.8	8.5
70°	9.4	9.7	10.2	10.6	10.9	11.2	11.4	11.6	11.7	11.8	10.8
67.5°	12.2	13.0	14.5	16.2	16.9	17.1	16.8	15.6	15.1	15.1	13.5
65°	14.4	15.1	16.3	17.8	19.5	21.5	24.6	25.0	23.6	20.8	16.3
62.5°	15.6	16.9	17.6	18.3	19.5	22.9	29.2	32.8	33.9	30.1	22.9
60°	14.9	15.0	16.1	17.2	18.4	24.6	34.0	40.7	44.7	38.0	28.6
57.5°	15.1	15.2	15.8	16.4	17.0	25.2	36.4	48.3	55.6	43.8	32.9
55°	16.8	16.7	16.5	16.7	17.5	25.4	35.6	47.5	54.5	47.4	35.0
52.5°	15.0	16.3	17.2	17.2	18.7	24.5	32.4	43.5	46.9	41.4	34.0
50°	18.8	18.8	18.7	18.7	20.1	23.1	28.9	37.6	37.9	35.3	29.4
47.5°	24.8	24.3	23.2	22.5	23.0	23.1	26.5	30.7	32.9	30.2	25.8
45°	40.9	36.5	30.5	30.6	29.5	28.4	26.7	31.3	32.7	30.8	23.9
42.5°	68.2	62.9	52.9	49.5	44.0	40.3	36.1	38.4	39.2	35.9	32.5
40°	149.7	114.1	106.6	89.0	74.4	61.3	55.3	49.9	49.9	46.9	45.5
37.5°	328.3	283.2	246.8	185.5	146.9	101.2	84.2	71.0	62.6	67.6	64.9
35°	585.1	531.5	489.9	407.5	287.1	218.4	131.2	102.1	94.4	99.1	90.9
32.5°	898.8	910.3	827.8	719.7	623.4	436.8	280.3	153.5	168.6	160.0	131.3
30°	1996.0	1829.2	1373.7	1393.1	1393.0	892.0	518.0	404.8	301.5	249.1	189.2
27.5°	4637.5	4095.8	3144.5	2800.8	2784.8	1991.2	1197.4	826.1	528.9	390.7	288.3
25°	8605.3	7687.9	6138.1	5117.0	4607.7	3513.1	2206.5	1561.9	1006.6	565.5	393.7
22.5°	13102.5	11434.1	9440.4	7483.5	6323.5	4678.6	3286.2	2463.9	1542.6	809.5	521.1
20°	18064.7	15473.0	12973.8	10494.7	8058.0	5734.7	4099.0	3360.8	2253.9	1143.4	643.3
17.5°	24072.0	19979.1	17308.9	13944.2	10630.0	7485.7	5756.2	4525.1	3145.2	1423.6	754.6
15°	31599.2	27259.6	23173.6	18441.1	14142.1	10996.2	8208.4	6066.6	4200.6	1959.0	1005.1
12.5°	43396.4	36777.8	30365.6	24162.9	19218.9	15050.0	11355.2	8218.7	5433.6	2914.0	1413.7
10°	54119.7	46033.0	37935.2	30837.2	24753.8	19371.3	14293.4	9922.6	6506.7	3879.2	1860.6
7.5°	62853.0	53718.2	45105.6	36344.4	28908.8	22302.6	16322.0	11346.5	7414.7	4750.3	2325.7
5°	69857.3	59064.0	49219.8	39033.8	31516.9	24920.7	18143.7	12629.1	8162.6	5514.1	2786.3
2.5°	74213.1	62427.0	52184.6	41001.1	33428.4	27022.5	19729.7	13735.8	8795.5	6113.3	3187.9
0°	76774.8	64683.5	54134.4	42309.7	34509.8	28151.7	21034.4	14608.0	9307.8	6569.2	3538.4
-2.5°	76192.6	63124.0	52320.2	40404.1	32503.8	26227.9	19771.2	14280.8	9791.9	6668.4	3409.0
-5°	71250.3	58987.1	48969.3	38488.6	30671.2	24713.4	18817.1	14017.1	10051.3	6613.7	3211.2
-7.5°	69198.1	56049.7	45426.2	35838.7	28640.3	23223.5	18077.7	13851.7	10051.2	6522.6	3254.9
-10°	65983.0	54302.1	44174.4	34851.0	27595.7	21692.2	17271.6	13515.4	9843.0	6244.6	3177.9
-12.5°	63378.0	52241.5	42515.7	33939.7	27640.2	21693.8	17026.1	13095.5	9418.7	5776.0	2960.3
-15°	59549.8	50253.2	40886.2	33111.4	27186.4	21366.9	16630.1	12589.2	8504.9	5008.0	2587.5
-17.5°	53610.4	46566.3	37882.5	30315.4	24779.0	20405.5	15853.7	11427.5	7228.1	4014.0	1997.6
-20°	46386.7	39973.0	32941.5	26456.7	21235.8	17090.7	13995.2	9600.8	5796.8	3167.0	1772.1



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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	38430.2	32762.3	26634.4	21493.6	17156.9	13681.5	10708.9	7239.1	4187.9	2239.2	1534.0
-25°	29566.2	25216.6	20308.4	16953.6	13253.1	10009.3	7831.4	5285.0	3074.4	1653.0	1300.0
-27.5°	22357.3	18517.6	15880.8	13365.5	10441.4	7796.2	5663.3	3570.3	1983.2	1413.2	1149.5
-30°	17077.3	14949.5	12957.5	11043.9	8652.1	6214.3	3865.4	2398.4	1519.4	1211.2	1042.8
-32.5°	13640.5	12242.2	10723.4	8993.9	6765.4	4383.0	2681.0	1557.5	1266.0	1105.0	999.0
-35°	11199.0	9909.5	8449.9	6621.6	4499.6	2849.6	1642.5	1329.1	1134.0	1023.0	971.7
-37.5°	8796.2	7533.1	5908.7	4167.1	2705.9	1677.7	1389.6	1186.7	1046.8	993.7	918.4
-40°	6244.8	4883.0	3532.5	2192.9	1658.4	1400.4	1228.1	1087.6	1025.4	946.0	850.6
-42.5°	3653.6	2482.3	1820.4	1572.0	1362.4	1236.8	1121.5	1060.4	982.0	878.8	760.3
-45°	1848.0	1630.6	1429.2	1326.4	1214.3	1146.3	1088.4	1003.6	906.0	789.0	661.8
-47.5°	1447.5	1364.0	1273.0	1215.7	1167.5	1105.9	1013.2	917.5	806.1	690.6	584.9
-50°	1310.9	1280.5	1240.7	1182.4	1099.8	1014.7	913.3	806.6	704.7	606.2	508.8
-52.5°	1321.7	1249.7	1173.0	1090.1	989.7	890.7	792.4	703.4	613.1	523.1	436.8
-55°	1237.0	1144.7	1048.5	948.4	847.5	764.7	682.5	602.3	521.3	439.3	371.5
-57.5°	1075.7	986.2	898.9	809.9	719.7	645.9	575.2	501.6	434.1	370.6	308.5
-60°	910.3	833.1	752.5	675.2	602.4	535.6	472.7	412.7	355.8	300.1	244.7
-62.5°	725.7	661.7	598.1	537.3	479.7	425.4	372.5	322.4	274.7	228.3	186.9
-65°	538.8	488.1	439.9	397.3	355.2	313.7	270.6	234.0	201.0	167.9	134.3
-67.5°	368.2	331.8	297.5	267.3	242.5	217.1	189.2	160.8	139.2	120.7	100.4
-70°	235.7	214.3	193.9	174.1	157.9	143.9	128.4	112.5	96.7	82.8	68.3
-72.5°	148.1	135.8	124.0	113.4	102.2	92.3	82.0	71.1	60.1	49.0	39.7
-75°	90.0	81.2	72.7	65.6	57.9	49.8	44.3	39.9	35.3	30.5	25.6
-77.5°	50.6	45.5	40.9	37.7	34.3	30.8	27.1	23.8	21.7	19.7	18.2
-80°	30.6	27.7	24.9	23.1	21.3	19.5	17.8	16.5	15.4	14.7	14.2
-82.5°	18.8	17.0	15.3	14.5	13.8	13.2	12.6	12.3	11.9	11.6	11.2
-85°	12.3	11.2	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.5	9.4
-87.5°	8.4	8.4	8.3	8.3	8.2	8.2	8.1	8.1	8.0	7.9	7.9
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.8	5.4	5.9	6.4



REPORT NUMBER: P701716 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	6.9	7.5	8.0	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
87.5°	6.8	7.1	7.4	7.6	7.8	8.0	8.2	8.5	8.5	8.5	8.5
85°	6.9	7.5	8.0	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
82.5°	7.0	7.5	8.0	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
80°	7.0	7.5	8.1	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
77.5°	7.6	7.8	8.1	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
75°	8.5	8.4	8.4	8.6	8.6	8.5	8.5	8.6	8.7	8.5	8.5
72.5°	8.5	8.5	8.5	8.8	9.1	9.1	8.9	8.7	9.0	9.0	8.6
70°	9.7	8.7	8.5	8.9	9.4	9.8	9.7	9.4	9.3	9.4	9.2
67.5°	11.8	10.4	9.4	9.1	9.5	10.0	10.5	10.2	9.9	9.9	9.7
65°	14.4	12.5	10.6	10.1	9.9	10.1	10.6	10.7	10.4	10.2	10.3
62.5°	17.8	14.9	12.8	11.2	10.5	10.4	10.7	10.7	10.7	10.5	10.6
60°	21.5	16.9	14.8	13.0	11.4	10.6	10.7	10.7	10.7	10.7	10.7
57.5°	24.0	17.7	15.8	14.4	12.7	11.2	10.7	10.7	10.7	10.7	10.7
55°	24.9	18.4	16.8	15.3	13.7	12.1	11.0	10.7	10.7	10.7	10.7
52.5°	24.3	19.4	17.8	16.2	14.5	13.0	11.8	10.7	10.7	10.7	10.7
50°	21.5	20.7	18.9	17.0	15.3	13.8	12.6	11.3	10.7	10.7	10.7
47.5°	21.8	21.9	20.4	18.0	16.1	14.7	13.4	12.0	10.7	10.7	10.7
45°	24.8	23.5	22.1	19.6	16.9	15.5	14.1	12.7	11.3	10.8	10.7
42.5°	30.0	28.0	24.5	21.3	18.9	16.3	14.8	13.4	11.9	10.9	10.8
40°	41.6	35.3	28.7	26.4	21.4	17.2	15.5	14.0	12.4	11.2	10.9
37.5°	55.8	46.8	37.1	36.9	26.3	19.8	16.2	14.6	13.1	11.9	11.2
35°	77.1	62.1	54.7	52.6	39.9	22.8	16.9	15.1	13.9	12.4	11.4
32.5°	101.5	90.8	84.1	70.9	57.6	26.1	18.8	16.2	14.7	13.0	11.7
30°	149.1	142.7	122.1	90.9	77.6	42.2	22.1	17.5	15.6	13.6	12.0
27.5°	222.7	206.5	169.6	124.7	96.4	61.9	26.3	18.9	16.5	14.2	12.5
25°	301.2	274.7	231.7	167.6	116.4	82.7	30.8	20.5	17.6	14.9	12.9
22.5°	395.1	339.3	301.9	215.4	141.6	103.9	41.7	24.1	18.8	15.6	13.4
20°	481.6	400.9	377.1	262.6	177.4	123.9	58.6	27.8	20.1	16.4	13.7
17.5°	565.5	482.8	434.9	318.4	216.7	146.4	75.2	31.5	21.4	17.1	14.1
15°	723.6	596.8	502.6	374.9	253.8	170.9	91.3	35.2	22.7	17.8	14.4
12.5°	905.0	717.8	580.8	431.2	288.5	196.6	106.7	38.8	24.1	18.5	14.5
10°	1092.7	843.2	666.5	486.1	320.7	222.8	120.9	43.6	26.0	19.2	14.7
7.5°	1282.3	970.0	756.2	538.6	356.7	262.8	154.0	51.5	28.1	19.8	14.8
5°	1456.0	1089.3	850.6	620.9	425.4	316.7	190.8	59.5	30.2	20.4	14.8
2.5°	1563.5	1193.2	941.2	702.8	492.5	368.8	226.7	67.4	32.2	20.9	14.9
0°	1655.1	1288.3	1023.8	778.5	556.7	418.0	260.2	74.7	34.1	21.3	14.9
-2.5°	1656.5	1291.1	1051.6	850.6	627.9	470.7	301.2	96.6	46.7	27.0	16.9
-5°	1643.2	1287.1	1076.3	916.0	694.0	518.8	336.6	117.0	58.8	32.5	18.8
-7.5°	1675.2	1300.4	1099.1	968.2	753.6	561.6	365.1	135.6	69.9	37.5	20.6
-10°	1697.1	1317.2	1113.9	965.4	754.0	573.8	381.6	151.8	79.6	41.9	22.3
-12.5°	1690.0	1320.6	1123.2	952.8	738.4	558.6	366.8	163.1	87.8	45.4	23.7
-15°	1650.7	1309.1	1126.6	929.5	716.3	540.5	349.3	170.8	94.8	48.9	24.9
-17.5°	1554.7	1281.5	1123.7	894.9	687.4	519.7	329.9	175.9	100.0	52.3	26.6
-20°	1408.8	1217.9	1108.3	848.1	651.4	496.8	309.2	178.3	103.1	54.5	28.5



REPORT NUMBER: P701716 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1272.4	1141.3	1018.7	801.9	614.0	471.9	287.9	177.7	104.1	55.4	29.9
-25°	1135.3	1069.8	926.9	741.0	581.4	440.4	275.8	174.1	102.7	54.8	30.6
-27.5°	1042.9	995.0	843.0	678.3	541.2	410.5	270.3	172.1	100.1	52.7	30.7
-30°	975.3	905.1	769.6	618.4	497.1	369.9	260.9	167.0	97.6	51.5	30.0
-32.5°	934.4	828.6	697.3	566.7	449.5	328.6	240.2	158.6	92.9	50.8	29.5
-35°	876.9	757.6	625.9	510.9	401.1	298.1	214.7	146.8	86.0	49.0	28.7
-37.5°	814.9	683.7	561.6	454.5	352.5	265.1	191.5	129.6	76.7	46.2	27.4
-40°	730.4	609.6	498.0	401.6	311.1	229.6	166.9	113.5	70.6	42.2	25.5
-42.5°	642.4	538.7	440.9	349.6	269.8	201.0	141.9	96.6	63.4	38.7	22.9
-45°	564.2	470.2	384.8	304.4	228.0	171.3	122.4	80.1	55.3	35.2	20.7
-47.5°	487.2	408.0	332.1	258.2	194.8	142.7	102.1	70.5	46.8	30.8	19.4
-50°	419.5	349.1	282.0	218.8	161.6	119.9	83.6	60.1	40.6	25.5	18.0
-52.5°	360.6	295.6	235.6	179.8	135.0	96.4	71.4	49.6	33.9	22.3	16.3
-55°	305.3	244.2	190.4	146.7	108.8	80.3	58.5	41.3	26.8	19.9	14.6
-57.5°	249.5	192.8	152.6	116.4	88.3	65.7	47.3	32.6	22.9	17.5	14.3
-60°	193.9	153.4	117.8	92.9	71.2	52.0	36.7	25.2	19.9	15.3	13.8
-62.5°	148.5	116.0	93.6	73.0	54.8	39.3	26.8	21.6	16.7	14.8	13.3
-65°	111.5	90.3	70.8	54.2	39.2	28.0	22.5	17.8	15.5	14.2	12.8
-67.5°	81.2	64.9	49.4	35.4	27.9	22.7	18.0	16.1	14.8	13.6	12.3
-70°	53.9	40.2	31.8	26.3	21.4	17.7	16.4	15.3	14.1	13.0	11.8
-72.5°	33.5	27.9	22.9	18.8	17.4	16.3	15.4	14.5	13.4	12.3	11.2
-75°	21.1	19.2	17.8	16.6	15.6	14.8	14.4	13.7	12.7	11.7	11.0
-77.5°	17.0	15.9	15.0	14.6	14.2	13.8	13.4	12.9	12.0	11.4	10.9
-80°	13.8	13.6	13.4	13.4	13.1	12.8	12.5	12.1	11.5	11.1	10.8
-82.5°	11.4	11.6	11.9	12.2	12.0	11.7	11.5	11.2	10.9	10.7	10.5
-85°	9.8	10.2	10.6	11.0	10.9	10.7	10.5	10.4	10.2	10.0	9.8
-87.5°	8.4	8.8	9.3	9.8	9.7	9.6	9.5	9.4	9.3	9.3	9.2
-90°	6.4	6.4	6.4	6.4	6.9	7.5	8.0	8.5	8.5	8.5	8.5



REPORT NUMBER: P701716 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.5	8.5	8.5	8.5	8.5	8.5	8.5
87.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5
85°	8.5	8.5	8.5	8.5	8.5	8.5	8.5
82.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5
80°	8.5	8.5	8.5	8.5	8.5	8.5	8.5
77.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5
75°	8.5	8.5	8.5	8.5	8.5	8.5	8.5
72.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5
70°	8.6	8.5	8.5	8.5	8.5	8.5	8.5
67.5°	9.1	8.5	8.5	8.5	8.5	8.5	8.5
65°	9.6	8.7	8.5	8.5	8.5	8.5	8.5
62.5°	10.1	9.1	8.5	8.5	8.5	8.5	8.5
60°	10.6	9.6	8.5	8.5	8.5	8.5	8.5
57.5°	10.7	10.0	8.8	8.5	8.5	8.5	8.5
55°	10.7	10.4	9.1	8.5	8.5	8.5	8.5
52.5°	10.7	10.7	9.4	8.5	8.5	8.5	8.5
50°	10.7	10.7	9.7	8.5	8.5	8.5	8.5
47.5°	10.7	10.7	10.0	8.6	8.5	8.5	8.5
45°	10.7	10.7	10.3	8.8	8.5	8.5	8.5
42.5°	10.7	10.7	10.6	9.0	8.5	8.5	8.5
40°	10.7	10.7	10.7	9.1	8.5	8.5	8.5
37.5°	10.7	10.7	10.7	9.3	8.5	8.5	8.5
35°	10.7	10.7	10.7	9.4	8.5	8.5	8.5
32.5°	10.8	10.7	10.7	9.4	8.5	8.5	8.5
30°	11.0	10.7	10.7	9.5	8.5	8.5	8.5
27.5°	11.2	10.7	10.6	9.5	8.5	8.5	8.5
25°	11.5	10.7	10.6	9.5	8.5	8.5	8.5
22.5°	11.7	10.7	10.5	9.5	8.5	8.5	8.5
20°	12.0	10.7	10.5	9.4	8.5	8.5	8.5
17.5°	12.2	10.7	10.5	9.4	8.5	8.5	8.5
15°	12.4	10.7	10.6	9.3	8.5	8.5	8.5
12.5°	12.5	10.7	10.6	9.2	8.5	8.5	8.5
10°	12.6	10.7	10.6	9.0	8.5	8.5	8.5
7.5°	12.7	10.7	10.6	8.9	8.5	8.5	8.5
5°	12.8	10.7	10.7	8.8	8.5	8.5	8.5
2.5°	12.8	10.7	10.7	8.6	8.5	8.5	8.5
0°	12.8	10.7	10.7	8.5	8.5	8.5	8.5
-2.5°	13.6	11.2	10.7	8.6	8.5	8.5	8.5
-5°	14.4	11.6	10.7	8.8	8.5	8.5	8.5
-7.5°	15.2	12.0	10.6	8.9	8.5	8.5	8.5
-10°	15.9	12.4	10.6	9.0	8.5	8.5	8.5
-12.5°	16.5	12.7	10.6	9.2	8.5	8.5	8.5
-15°	17.1	13.0	10.6	9.3	8.5	8.5	8.5
-17.5°	17.5	13.2	10.5	9.4	8.5	8.5	8.5
-20°	18.1	13.2	10.5	9.4	8.5	8.5	8.5



REPORT NUMBER: P701716 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-5S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	18.7	13.2	10.5	9.5	8.5	8.5	8.5
-25°	19.0	13.1	10.6	9.5	8.5	8.5	8.5
-27.5°	19.1	13.0	10.6	9.5	8.5	8.5	8.5
-30°	18.8	12.8	10.7	9.5	8.5	8.5	8.5
-32.5°	18.1	12.5	10.8	9.4	8.5	8.5	8.5
-35°	17.5	12.1	10.9	9.4	8.5	8.5	8.5
-37.5°	17.0	11.8	11.0	9.3	8.5	8.5	8.5
-40°	16.3	11.9	11.0	9.1	8.5	8.5	8.5
-42.5°	15.5	11.9	11.0	9.0	8.5	8.5	8.5
-45°	14.6	11.9	10.8	8.8	8.5	8.5	8.5
-47.5°	13.5	11.9	10.5	8.7	8.5	8.5	8.5
-50°	13.2	11.9	10.3	8.7	8.5	8.5	8.5
-52.5°	13.1	11.8	10.1	8.7	8.5	8.5	8.5
-55°	12.9	11.5	9.8	8.8	8.5	8.5	8.5
-57.5°	12.6	11.2	9.6	8.8	8.5	8.5	8.5
-60°	12.3	10.8	9.3	8.8	8.5	8.5	8.5
-62.5°	11.9	10.5	9.4	8.9	8.5	8.5	8.5
-65°	11.5	10.1	9.4	8.9	8.5	8.5	8.5
-67.5°	11.0	9.9	9.4	8.9	8.5	8.5	8.5
-70°	10.6	10.0	9.5	9.0	8.5	8.5	8.5
-72.5°	10.6	10.0	9.5	8.9	8.5	8.5	8.5
-75°	10.6	10.1	9.5	8.9	8.5	8.5	8.5
-77.5°	10.6	10.1	9.4	8.8	8.5	8.5	8.5
-80°	10.7	9.9	9.2	8.8	8.5	8.5	8.5
-82.5°	10.2	9.6	9.1	8.7	8.5	8.5	8.5
-85°	9.6	9.2	8.9	8.6	8.5	8.5	8.5
-87.5°	9.1	8.9	8.7	8.6	8.5	8.5	8.5
-90°	8.5	8.5	8.5	8.5	8.5	8.5	8.5

(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

