

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: P701487 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 8/15/2023

Test Information

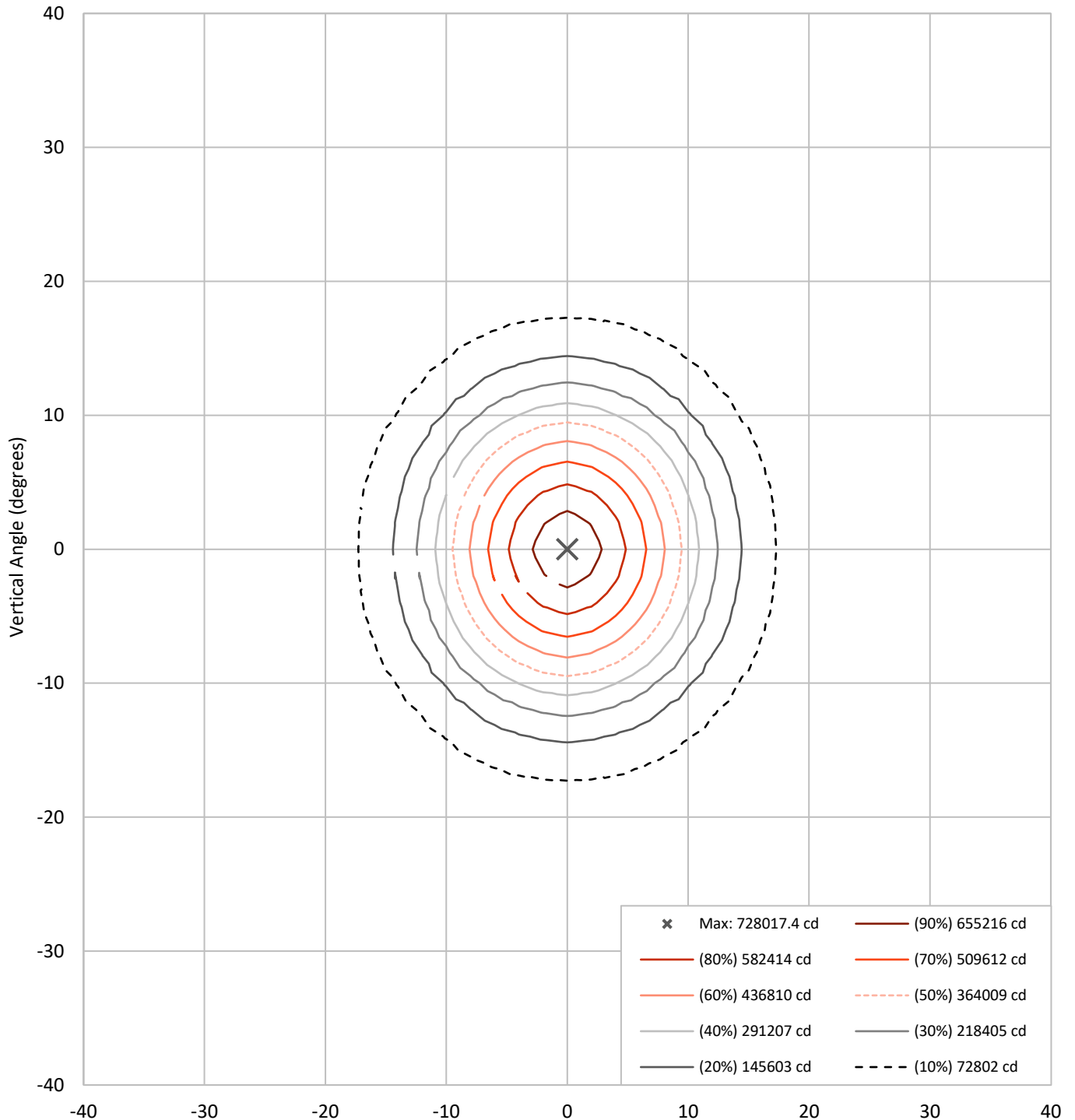
Test Method: LM-79-08
Report Number: P701487 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-61)
Test Lab: INNOVATION CENTER
Issue Date: 8/15/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-70-1S-HEG-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 1S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	98621.3 lumens	Max Intensity:	728017.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	136.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	19°H x 19°V	Field Angle (10%):	34.3°H x 34.3°V
Beam Lumens:	42507.1 lumens	Field Lumens:	78307.2 lumens
Beam Efficiency:	43.1%	Field Efficiency:	79.4%
Input Watts (W):	724.6		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





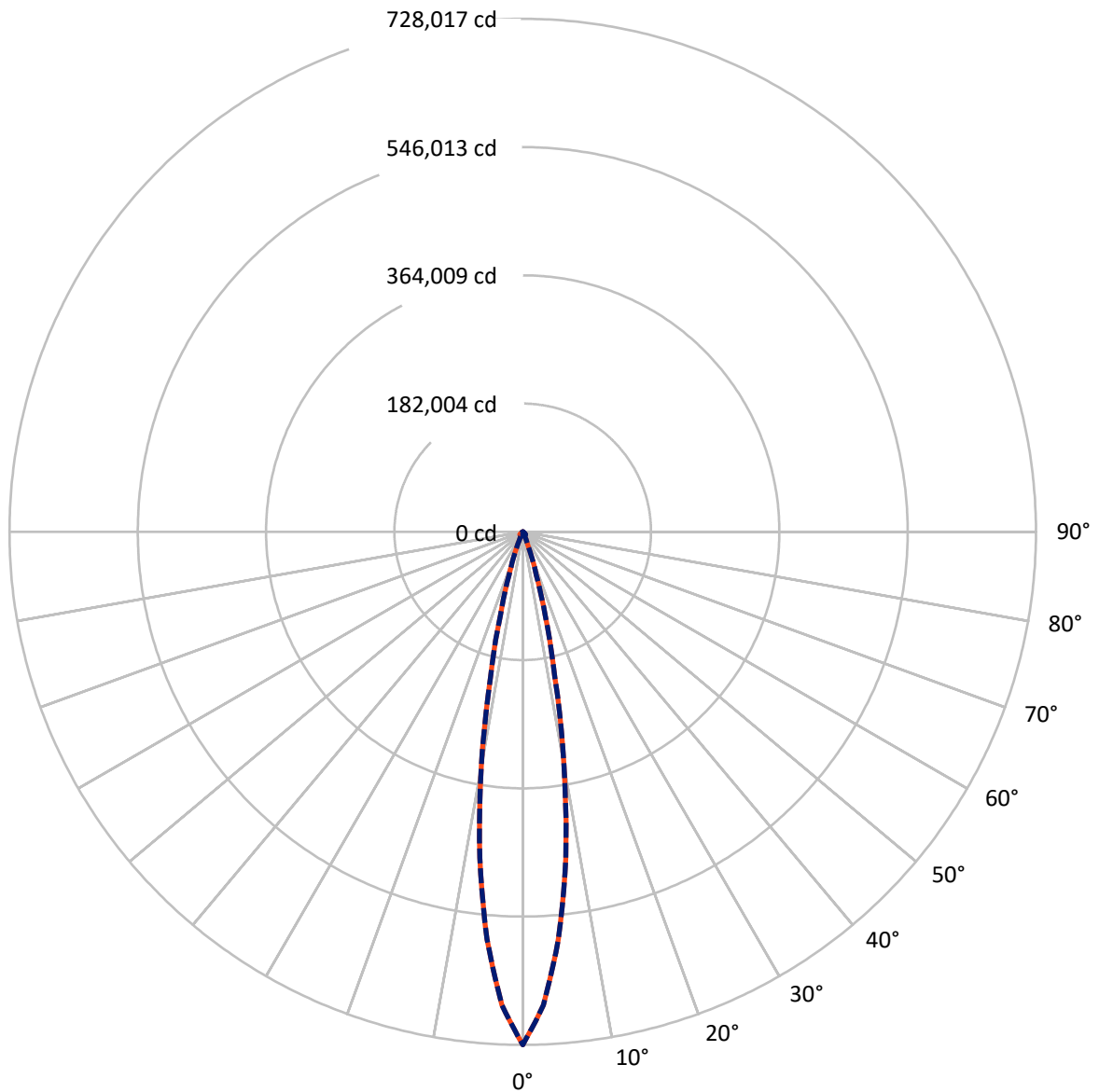
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Lumen Table

90	0.1	0.9	3.4	8.5	11.3	8.5	3.4	0.9	0.1							
80	0.1	0.9	3.4	8.5	11.3	8.5	3.4	0.9	0.1							
70	0.4	0.5	2.0	6.2	12.4	19.2	24.9	28.0	28.0	24.9	19.2	12.4	6.2	2.0	0.5	0.4
60		1.5	7.3	17.9	30.7	41.5	48.6	52.4	52.4	48.6	41.5	30.7	17.9	7.3	1.5	
50	1.1	3.8	14.6	30.5	44.5	75.3	118.7	142.6	142.6	118.7	75.3	44.5	30.5	14.6	3.8	1.1
40		6.6	21.7	38.4	91.0	155.7	172.0	172.3	172.3	172.0	155.7	91.0	38.4	21.7	6.6	
30	2.5	9.3	26.5	59.4	140.9	156.0	171.4	297.2	297.2	171.4	156.0	140.9	59.4	26.5	9.3	2.5
20		11.2	29.0	88.1	145.8	161.0	941.8	3516.7	3516.7	941.8	161.0	145.8	88.1	29.0	11.2	
10	3.1	12.3	30.4	102.4	141.4	273.4	3431.5	13504.4	13504.4	3431.5	273.4	141.4	102.4	30.4	12.3	3.1
0		12.3	30.4	102.4	141.4	273.4	3431.5	13504.4	13504.4	3431.5	273.4	141.4	102.4	30.4	12.3	
-10	2.5	11.2	29.0	88.1	145.8	161.0	941.8	3516.7	3516.7	941.8	161.0	145.8	88.1	29.0	11.2	2.5
-20		9.3	26.5	59.4	140.9	156.0	171.4	297.2	297.2	171.4	156.0	140.9	59.4	26.5	9.3	
-30	1.1	6.6	21.7	38.4	91.0	155.7	172.0	172.3	172.3	172.0	155.7	91.0	38.4	21.7	6.6	1.1
-40		3.8	14.6	30.5	44.5	75.3	118.7	142.6	142.6	118.7	75.3	44.5	30.5	14.6	3.8	
-50	0.4	1.5	7.3	17.9	30.7	41.5	48.6	52.4	52.4	48.6	41.5	30.7	17.9	7.3	1.5	0.4
-60		0.5	2.0	6.2	12.4	19.2	24.9	28.0	28.0	24.9	19.2	12.4	6.2	2.0	0.5	
-70	0.1	0.9	3.4	8.5	11.3	8.5	3.4	0.9	0.1							
-80		0.1	0.9	3.4	8.5	11.3	8.5	3.4	0.9	0.1						
-90	0.1	0.9	3.4	8.5	11.3	8.5	3.4	0.9	0.1							

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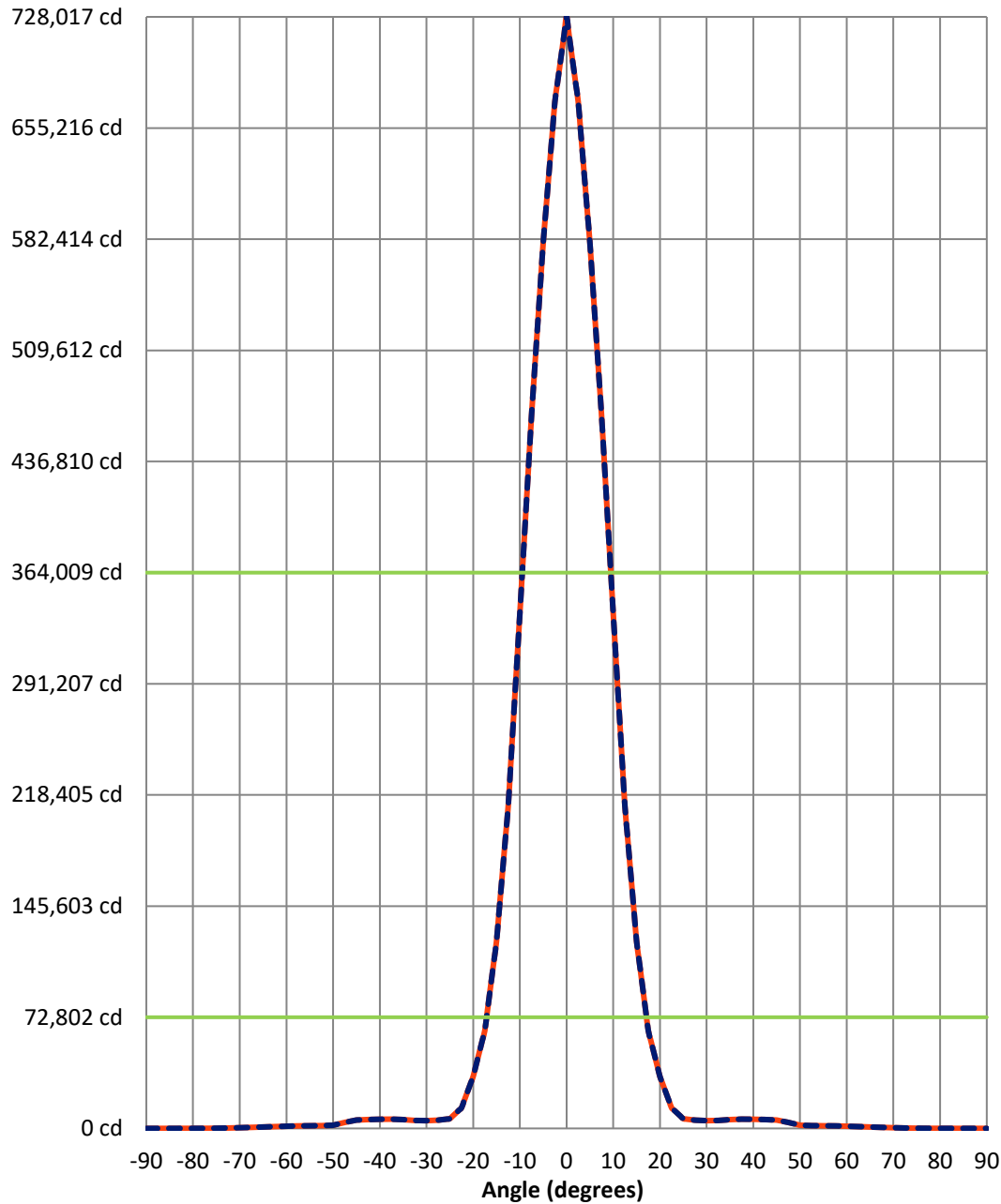
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 19°
 V Angle: 19°
 Lumens: 42507.1
 Efficiency: 43.1%

Field:
 H Angle: 34.3°
 V Angle: 34.3°
 Lumens: 78307.2
 Efficiency: 79.4%

Spill:
 Lumens: 20314.1
 Efficiency: 20.6%

— 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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
85°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	5.9
82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.1	7.8	8.4
80°	0.0	1.2	2.4	3.6	4.8	6.0	7.2	8.0	8.9	9.7	10.6
77.5°	0.0	1.5	3.0	4.5	6.0	7.4	8.5	9.6	10.6	11.7	13.2
75°	0.0	1.8	3.6	5.4	7.2	8.5	9.8	11.1	12.5	15.1	17.6
72.5°	0.0	2.1	4.2	6.3	8.0	9.6	11.1	13.0	16.0	19.0	21.9
70°	0.0	2.4	4.8	7.1	8.9	10.6	12.5	16.0	19.4	22.8	26.7
67.5°	0.0	2.7	5.4	7.8	9.7	11.7	15.1	19.0	22.8	27.2	31.5
65°	0.0	3.0	5.9	8.4	10.6	13.2	17.6	21.9	26.7	31.5	37.3
62.5°	0.0	3.2	6.5	9.0	11.4	15.3	20.0	25.0	30.4	36.4	45.4
60°	0.0	3.5	7.0	9.6	12.2	17.3	22.4	28.3	34.2	43.5	53.3
57.5°	0.0	3.8	7.4	10.2	13.7	19.2	25.1	31.5	39.8	50.5	73.2
55°	0.0	4.0	7.8	10.7	15.2	21.2	27.8	34.6	45.9	60.8	98.4
52.5°	0.0	4.3	8.1	11.3	16.7	23.0	30.3	39.5	51.8	82.9	122.9
50°	0.0	4.5	8.5	11.8	18.1	25.1	32.8	44.5	61.4	104.3	169.1
47.5°	0.0	4.7	8.8	12.4	19.5	27.1	35.5	49.3	79.8	125.0	216.4
45°	0.0	4.9	9.1	13.4	20.8	29.1	39.5	53.9	97.5	165.5	262.1
42.5°	0.0	5.2	9.5	14.4	22.1	30.9	43.3	64.4	114.5	204.9	319.2
40°	0.0	5.4	9.8	15.3	23.4	32.7	46.9	78.6	136.3	242.6	376.0
37.5°	0.0	5.6	10.0	16.2	24.7	34.4	50.4	92.1	168.1	282.0	430.3
35°	0.0	5.7	10.3	17.0	26.0	36.7	53.6	104.9	198.2	328.0	483.6
32.5°	0.0	5.9	10.6	17.7	27.2	39.2	58.8	116.9	226.5	371.4	537.0
30°	0.0	6.1	10.8	18.5	28.3	41.6	68.4	130.9	253.0	412.0	587.0
27.5°	0.0	6.2	11.0	19.1	29.3	43.8	77.3	152.4	280.9	449.9	633.5
25°	0.0	6.3	11.2	19.7	30.3	45.9	85.5	172.1	311.7	487.0	676.9
22.5°	0.0	6.5	11.4	20.3	31.2	47.7	93.0	190.1	339.7	522.0	724.2
20°	0.0	6.6	11.6	20.8	31.9	49.4	99.7	206.4	365.0	553.5	766.9
17.5°	0.0	6.7	11.7	21.2	32.6	50.9	105.7	220.8	387.5	581.6	804.8
15°	0.0	6.8	11.8	21.6	33.2	52.2	110.9	233.3	407.1	606.1	838.0
12.5°	0.0	6.8	12.0	21.9	33.7	53.3	115.4	244.0	423.8	626.9	866.2
10°	0.0	6.9	12.0	22.2	34.2	54.2	119.0	252.8	437.5	644.1	889.5
7.5°	0.0	6.9	12.1	22.4	34.5	54.9	121.8	259.7	448.2	657.4	907.6
5°	0.0	7.0	12.2	22.6	34.7	55.4	123.9	264.6	455.9	667.0	920.6
2.5°	0.0	7.0	12.2	22.7	34.9	55.7	125.1	267.5	460.5	672.8	928.4
0°	0.0	7.0	12.2	22.7	34.9	55.7	125.1	267.5	460.5	672.8	928.4
-2.5°	0.0	7.0	12.2	22.7	34.9	55.7	125.1	267.5	460.5	672.8	928.4
-5°	0.0	7.0	12.2	22.6	34.7	55.4	123.9	264.6	455.9	667.0	920.6
-7.5°	0.0	6.9	12.1	22.4	34.5	54.9	121.8	259.7	448.2	657.4	907.6
-10°	0.0	6.9	12.0	22.2	34.2	54.2	119.0	252.8	437.5	644.1	889.5
-12.5°	0.0	6.8	12.0	21.9	33.7	53.3	115.4	244.0	423.8	626.9	866.2
-15°	0.0	6.8	11.8	21.6	33.2	52.2	110.9	233.3	407.1	606.1	838.0
-17.5°	0.0	6.7	11.7	21.2	32.6	50.9	105.7	220.8	387.5	581.6	804.8
-20°	0.0	6.6	11.6	20.8	31.9	49.4	99.7	206.4	365.0	553.5	766.9



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.5	11.4	20.3	31.2	47.7	93.0	190.1	339.7	522.0	724.2
-25°	0.0	6.3	11.2	19.7	30.3	45.9	85.5	172.1	311.7	487.0	676.9
-27.5°	0.0	6.2	11.0	19.1	29.3	43.8	77.3	152.4	280.9	449.9	633.5
-30°	0.0	6.1	10.8	18.5	28.3	41.6	68.4	130.9	253.0	412.0	587.0
-32.5°	0.0	5.9	10.6	17.7	27.2	39.2	58.8	116.9	226.5	371.4	537.0
-35°	0.0	5.7	10.3	17.0	26.0	36.7	53.6	104.9	198.2	328.0	483.6
-37.5°	0.0	5.6	10.0	16.2	24.7	34.4	50.4	92.1	168.1	282.0	430.3
-40°	0.0	5.4	9.8	15.3	23.4	32.7	46.9	78.6	136.3	242.6	376.0
-42.5°	0.0	5.2	9.5	14.4	22.1	30.9	43.3	64.4	114.5	204.9	319.2
-45°	0.0	4.9	9.1	13.4	20.8	29.1	39.5	53.9	97.5	165.5	262.1
-47.5°	0.0	4.7	8.8	12.4	19.5	27.1	35.5	49.3	79.8	125.0	216.4
-50°	0.0	4.5	8.5	11.8	18.1	25.1	32.8	44.5	61.4	104.3	169.1
-52.5°	0.0	4.3	8.1	11.3	16.7	23.0	30.3	39.5	51.8	82.9	122.9
-55°	0.0	4.0	7.8	10.7	15.2	21.2	27.8	34.6	45.9	60.8	98.4
-57.5°	0.0	3.8	7.4	10.2	13.7	19.2	25.1	31.5	39.8	50.5	73.2
-60°	0.0	3.5	7.0	9.6	12.2	17.3	22.4	28.3	34.2	43.5	53.3
-62.5°	0.0	3.2	6.5	9.0	11.4	15.3	20.0	25.0	30.4	36.4	45.4
-65°	0.0	3.0	5.9	8.4	10.6	13.2	17.6	21.9	26.7	31.5	37.3
-67.5°	0.0	2.7	5.4	7.8	9.7	11.7	15.1	19.0	22.8	27.2	31.5
-70°	0.0	2.4	4.8	7.1	8.9	10.6	12.5	16.0	19.4	22.8	26.7
-72.5°	0.0	2.1	4.2	6.3	8.0	9.6	11.1	13.0	16.0	19.0	21.9
-75°	0.0	1.8	3.6	5.4	7.2	8.5	9.8	11.1	12.5	15.1	17.6
-77.5°	0.0	1.5	3.0	4.5	6.0	7.4	8.5	9.6	10.6	11.7	13.2
-80°	0.0	1.2	2.4	3.6	4.8	6.0	7.2	8.0	8.9	9.7	10.6
-82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.1	7.8	8.4
-85°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	5.9
-87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	3.5	3.8	4.0	4.3	4.5	4.7	4.9	5.2	5.4	5.6
85°	6.5	7.0	7.4	7.8	8.1	8.5	8.8	9.1	9.5	9.8	10.0
82.5°	9.0	9.6	10.2	10.7	11.3	11.8	12.4	13.4	14.4	15.3	16.2
80°	11.4	12.2	13.7	15.2	16.7	18.1	19.5	20.8	22.1	23.4	24.7
77.5°	15.3	17.3	19.2	21.2	23.0	25.1	27.1	29.1	30.9	32.7	34.4
75°	20.0	22.4	25.1	27.8	30.3	32.8	35.5	39.5	43.3	46.9	50.4
72.5°	25.0	28.3	31.5	34.6	39.5	44.5	49.3	53.9	64.4	78.6	92.1
70°	30.4	34.2	39.8	45.9	51.8	61.4	79.8	97.5	114.5	136.3	168.1
67.5°	36.4	43.5	50.5	60.8	82.9	104.3	125.0	165.5	204.9	242.6	282.0
65°	45.4	53.3	73.2	98.4	122.9	169.1	216.4	262.1	319.2	376.0	430.3
62.5°	54.2	79.5	107.8	146.0	201.3	255.1	320.9	389.0	454.5	522.8	588.7
60°	79.5	110.9	158.9	220.8	285.6	365.0	442.1	522.0	600.8	676.9	764.0
57.5°	107.8	158.9	227.3	303.3	391.7	479.4	571.3	660.2	760.5	859.8	955.5
55°	146.0	220.8	303.3	400.7	499.1	601.1	705.4	821.0	932.8	1043.8	1150.1
52.5°	201.3	285.6	391.7	499.1	611.1	729.6	857.7	983.6	1107.8	1225.1	1331.5
50°	255.1	365.0	479.4	601.1	729.6	869.9	1009.2	1146.5	1273.5	1392.5	1498.5
47.5°	320.9	442.1	571.3	705.4	857.7	1009.2	1159.5	1297.8	1429.4	1541.9	1648.5
45°	389.0	522.0	660.2	821.0	983.6	1146.5	1297.8	1441.8	1563.7	1664.5	1701.5
42.5°	454.5	600.8	760.5	932.8	1107.8	1273.5	1429.4	1563.7	1668.1	1708.8	1755.9
40°	522.8	676.9	859.8	1043.8	1225.1	1392.5	1541.9	1664.5	1708.8	1761.0	1817.3
37.5°	588.7	764.0	955.5	1150.1	1331.5	1498.5	1648.5	1701.5	1755.9	1817.3	1986.1
35°	651.3	846.7	1048.8	1247.5	1433.1	1593.8	1686.9	1740.8	1807.0	1970.6	2486.0
32.5°	717.7	925.0	1137.2	1336.6	1518.3	1665.3	1718.5	1786.6	1924.6	2276.2	3561.4
30°	784.5	1000.8	1218.6	1420.6	1597.6	1693.2	1756.4	1848.9	2060.3	3240.5	4487.6
27.5°	846.7	1071.7	1290.6	1491.7	1661.3	1719.2	1794.4	1968.2	2713.1	4118.3	5312.4
25°	904.2	1137.2	1357.3	1555.1	1683.7	1749.7	1848.2	2079.6	3510.1	4842.4	5609.2
22.5°	957.7	1197.1	1418.4	1613.3	1704.3	1779.8	1943.6	2674.7	4199.2	5489.5	5759.9
20°	1006.8	1247.5	1469.6	1659.4	1722.9	1807.2	2030.4	3299.4	4770.4	5618.0	5862.1
17.5°	1050.5	1292.3	1512.6	1674.7	1744.4	1854.2	2179.8	3860.5	5284.4	5734.0	5937.5
15°	1088.7	1331.5	1550.3	1688.1	1764.2	1917.1	2635.2	4289.6	5536.2	5824.9	6003.0
12.5°	1121.2	1365.0	1582.3	1699.5	1781.1	1971.0	3025.4	4648.7	5617.6	5878.1	6021.0
10°	1148.0	1392.5	1608.8	1709.0	1795.0	2015.5	3348.0	4946.1	5685.1	5922.3	6036.1
7.5°	1168.9	1414.0	1629.5	1716.4	1806.0	2050.3	3601.2	5179.6	5738.2	5957.1	6047.9
5°	1183.9	1429.4	1644.3	1721.6	1813.8	2075.4	3783.2	5347.7	5776.4	5982.2	6056.5
2.5°	1192.9	1438.7	1653.2	1724.8	1818.5	2090.5	3892.9	5449.0	5799.5	5997.3	6061.7
0°	1195.9	1441.8	1656.2	1725.9	1820.1	2095.5	3929.5	5482.9	5807.2	6002.4	6063.4
-2.5°	1192.9	1438.7	1653.2	1724.8	1818.5	2090.5	3892.9	5449.0	5799.5	5997.3	6061.7
-5°	1183.9	1429.4	1644.3	1721.6	1813.8	2075.4	3783.2	5347.7	5776.4	5982.2	6056.5
-7.5°	1168.9	1414.0	1629.5	1716.4	1806.0	2050.3	3601.2	5179.6	5738.2	5957.1	6047.9
-10°	1148.0	1392.5	1608.8	1709.0	1795.0	2015.5	3348.0	4946.1	5685.1	5922.3	6036.1
-12.5°	1121.2	1365.0	1582.3	1699.5	1781.1	1971.0	3025.4	4648.7	5617.6	5878.1	6021.0
-15°	1088.7	1331.5	1550.3	1688.1	1764.2	1917.1	2635.2	4289.6	5536.2	5824.9	6003.0
-17.5°	1050.5	1292.3	1512.6	1674.7	1744.4	1854.2	2179.8	3860.5	5284.4	5734.0	5937.5
-20°	1006.8	1247.5	1469.6	1659.4	1722.9	1807.2	2030.4	3299.4	4770.4	5618.0	5862.1



REPORT NUMBER: P701487 (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°	957.7	1197.1	1418.4	1613.3	1704.3	1779.8	1943.6	2674.7	4199.2	5489.5	5759.9
-25°	904.2	1137.2	1357.3	1555.1	1683.7	1749.7	1848.2	2079.6	3510.1	4842.4	5609.2
-27.5°	846.7	1071.7	1290.6	1491.7	1661.3	1719.2	1794.4	1968.2	2713.1	4118.3	5312.4
-30°	784.5	1000.8	1218.6	1420.6	1597.6	1693.2	1756.4	1848.9	2060.3	3240.5	4487.6
-32.5°	717.7	925.0	1137.2	1336.6	1518.3	1665.3	1718.5	1786.6	1924.6	2276.2	3561.4
-35°	651.3	846.7	1048.8	1247.5	1433.1	1593.8	1686.9	1740.8	1807.0	1970.6	2486.0
-37.5°	588.7	764.0	955.5	1150.1	1331.5	1498.5	1648.5	1701.5	1755.9	1817.3	1986.1
-40°	522.8	676.9	859.8	1043.8	1225.1	1392.5	1541.9	1664.5	1708.8	1761.0	1817.3
-42.5°	454.5	600.8	760.5	932.8	1107.8	1273.5	1429.4	1563.7	1668.1	1708.8	1755.9
-45°	389.0	522.0	660.2	821.0	983.6	1146.5	1297.8	1441.8	1563.7	1664.5	1701.5
-47.5°	320.9	442.1	571.3	705.4	857.7	1009.2	1159.5	1297.8	1429.4	1541.9	1648.5
-50°	255.1	365.0	479.4	601.1	729.6	869.9	1009.2	1146.5	1273.5	1392.5	1498.5
-52.5°	201.3	285.6	391.7	499.1	611.1	729.6	857.7	983.6	1107.8	1225.1	1331.5
-55°	146.0	220.8	303.3	400.7	499.1	601.1	705.4	821.0	932.8	1043.8	1150.1
-57.5°	107.8	158.9	227.3	303.3	391.7	479.4	571.3	660.2	760.5	859.8	955.5
-60°	79.5	110.9	158.9	220.8	285.6	365.0	442.1	522.0	600.8	676.9	764.0
-62.5°	54.2	79.5	107.8	146.0	201.3	255.1	320.9	389.0	454.5	522.8	588.7
-65°	45.4	53.3	73.2	98.4	122.9	169.1	216.4	262.1	319.2	376.0	430.3
-67.5°	36.4	43.5	50.5	60.8	82.9	104.3	125.0	165.5	204.9	242.6	282.0
-70°	30.4	34.2	39.8	45.9	51.8	61.4	79.8	97.5	114.5	136.3	168.1
-72.5°	25.0	28.3	31.5	34.6	39.5	44.5	49.3	53.9	64.4	78.6	92.1
-75°	20.0	22.4	25.1	27.8	30.3	32.8	35.5	39.5	43.3	46.9	50.4
-77.5°	15.3	17.3	19.2	21.2	23.0	25.1	27.1	29.1	30.9	32.7	34.4
-80°	11.4	12.2	13.7	15.2	16.7	18.1	19.5	20.8	22.1	23.4	24.7
-82.5°	9.0	9.6	10.2	10.7	11.3	11.8	12.4	13.4	14.4	15.3	16.2
-85°	6.5	7.0	7.4	7.8	8.1	8.5	8.8	9.1	9.5	9.8	10.0
-87.5°	3.2	3.5	3.8	4.0	4.3	4.5	4.7	4.9	5.2	5.4	5.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.7	5.9	6.1	6.2	6.3	6.5	6.6	6.7	6.8	6.8	6.9
85°	10.3	10.6	10.8	11.0	11.2	11.4	11.6	11.7	11.8	12.0	12.0
82.5°	17.0	17.7	18.5	19.1	19.7	20.3	20.8	21.2	21.6	21.9	22.2
80°	26.0	27.2	28.3	29.3	30.3	31.2	31.9	32.6	33.2	33.7	34.2
77.5°	36.7	39.2	41.6	43.8	45.9	47.7	49.4	50.9	52.2	53.3	54.2
75°	53.6	58.8	68.4	77.3	85.5	93.0	99.7	105.7	110.9	115.4	119.0
72.5°	104.9	116.9	130.9	152.4	172.1	190.1	206.4	220.8	233.3	244.0	252.8
70°	198.2	226.5	253.0	280.9	311.7	339.7	365.0	387.5	407.1	423.8	437.5
67.5°	328.0	371.4	412.0	449.9	487.0	522.0	553.5	581.6	606.1	626.9	644.1
65°	483.6	537.0	587.0	633.5	676.9	724.2	766.9	804.8	838.0	866.2	889.5
62.5°	651.3	717.7	784.5	846.7	904.2	957.7	1006.8	1050.5	1088.7	1121.2	1148.0
60°	846.7	925.0	1000.8	1071.7	1137.2	1197.1	1247.5	1292.3	1331.5	1365.0	1392.5
57.5°	1048.8	1137.2	1218.6	1290.6	1357.3	1418.4	1469.6	1512.6	1550.3	1582.3	1608.8
55°	1247.5	1336.6	1420.6	1491.7	1555.1	1613.3	1659.4	1674.7	1688.1	1699.5	1709.0
52.5°	1433.1	1518.3	1597.6	1661.3	1683.7	1704.3	1722.9	1744.4	1764.2	1781.1	1795.0
50°	1593.8	1665.3	1693.2	1719.2	1749.7	1779.8	1807.2	1854.2	1917.1	1971.0	2015.5
47.5°	1686.9	1718.5	1756.4	1794.4	1848.2	1943.6	2030.4	2179.8	2635.2	3025.4	3348.0
45°	1740.8	1786.6	1848.9	1968.2	2079.6	2674.7	3299.4	3860.5	4289.6	4648.7	4946.1
42.5°	1807.0	1924.6	2060.3	2713.1	3510.1	4199.2	4770.4	5284.4	5536.2	5617.6	5685.1
40°	1970.6	2276.2	3240.5	4118.3	4842.4	5489.5	5618.0	5734.0	5824.9	5878.1	5922.3
37.5°	2486.0	3561.4	4487.6	5312.4	5609.2	5759.9	5862.1	5937.5	6003.0	6021.0	6036.1
35°	3669.1	4674.3	5507.1	5690.7	5841.3	5938.6	6010.5	6035.9	6058.6	5993.8	5916.7
32.5°	4674.3	5527.2	5731.9	5879.5	5990.8	6031.4	6061.5	5942.8	5827.2	5681.2	5519.0
30°	5507.1	5731.9	5892.3	6007.0	6044.1	5989.8	5836.9	5624.1	5382.4	5208.7	5163.5
27.5°	5690.7	5879.5	6007.0	6048.4	5947.8	5768.3	5451.6	5205.9	5139.1	5080.5	5200.6
25°	5841.3	5990.8	6044.1	5947.8	5726.0	5363.7	5171.0	5090.9	5231.5	5388.1	5680.9
22.5°	5938.6	6031.4	5989.8	5768.3	5363.7	5159.3	5114.1	5325.7	5674.4	6132.2	7721.9
20°	6010.5	6061.5	5836.9	5451.6	5171.0	5114.1	5357.6	5853.6	6874.3	10759.1	15355.9
17.5°	6035.9	5942.8	5624.1	5205.9	5090.9	5325.7	5853.6	7616.9	12333.6	22559.4	33347.1
15°	6058.6	5827.2	5382.4	5139.1	5231.5	5674.4	6874.3	12333.6	25030.1	40825.2	58560.7
12.5°	5993.8	5681.2	5208.7	5080.5	5388.1	6132.2	10759.1	22559.4	40825.2	62868.2	100205.6
10°	5916.7	5519.0	5163.5	5200.6	5680.9	7721.9	15355.9	33347.1	58560.7	100205.6	150897.6
7.5°	5855.6	5390.3	5127.6	5297.4	5966.2	10170.7	23261.6	46138.1	82113.0	136950.5	211883.4
5°	5811.5	5296.9	5101.4	5368.0	6175.2	11976.0	29135.0	55966.9	104055.3	174040.0	273989.7
2.5°	5784.8	5240.4	5085.5	5411.0	6302.9	13083.6	32759.3	62081.7	117870.8	200781.3	320453.3
0°	5775.8	5221.4	5080.2	5425.4	6345.9	13457.0	33985.2	64159.3	122597.0	210928.1	337050.1
-2.5°	5784.8	5240.4	5085.5	5411.0	6302.9	13083.6	32759.3	62081.7	117870.8	200781.3	320453.3
-5°	5811.5	5296.9	5101.4	5368.0	6175.2	11976.0	29135.0	55966.9	104055.3	174040.0	273989.7
-7.5°	5855.6	5390.3	5127.6	5297.4	5966.2	10170.7	23261.6	46138.1	82113.0	136950.5	211883.4
-10°	5916.7	5519.0	5163.5	5200.6	5680.9	7721.9	15355.9	33347.1	58560.7	100205.6	150897.6
-12.5°	5993.8	5681.2	5208.7	5080.5	5388.1	6132.2	10759.1	22559.4	40825.2	62868.2	100205.6
-15°	6058.6	5827.2	5382.4	5139.1	5231.5	5674.4	6874.3	12333.6	25030.1	40825.2	58560.7
-17.5°	6035.9	5942.8	5624.1	5205.9	5090.9	5325.7	5853.6	7616.9	12333.6	22559.4	33347.1
-20°	6010.5	6061.5	5836.9	5451.6	5171.0	5114.1	5357.6	5853.6	6874.3	10759.1	15355.9



REPORT NUMBER: P701487 (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°	5938.6	6031.4	5989.8	5768.3	5363.7	5159.3	5114.1	5325.7	5674.4	6132.2	7721.9
-25°	5841.3	5990.8	6044.1	5947.8	5726.0	5363.7	5171.0	5090.9	5231.5	5388.1	5680.9
-27.5°	5690.7	5879.5	6007.0	6048.4	5947.8	5768.3	5451.6	5205.9	5139.1	5080.5	5200.6
-30°	5507.1	5731.9	5892.3	6007.0	6044.1	5989.8	5836.9	5624.1	5382.4	5208.7	5163.5
-32.5°	4674.3	5527.2	5731.9	5879.5	5990.8	6031.4	6061.5	5942.8	5827.2	5681.2	5519.0
-35°	3669.1	4674.3	5507.1	5690.7	5841.3	5938.6	6010.5	6035.9	6058.6	5993.8	5916.7
-37.5°	2486.0	3561.4	4487.6	5312.4	5609.2	5759.9	5862.1	5937.5	6003.0	6021.0	6036.1
-40°	1970.6	2276.2	3240.5	4118.3	4842.4	5489.5	5618.0	5734.0	5824.9	5878.1	5922.3
-42.5°	1807.0	1924.6	2060.3	2713.1	3510.1	4199.2	4770.4	5284.4	5536.2	5617.6	5685.1
-45°	1740.8	1786.6	1848.9	1968.2	2079.6	2674.7	3299.4	3860.5	4289.6	4648.7	4946.1
-47.5°	1686.9	1718.5	1756.4	1794.4	1848.2	1943.6	2030.4	2179.8	2635.2	3025.4	3348.0
-50°	1593.8	1665.3	1693.2	1719.2	1749.7	1779.8	1807.2	1854.2	1917.1	1971.0	2015.5
-52.5°	1433.1	1518.3	1597.6	1661.3	1683.7	1704.3	1722.9	1744.4	1764.2	1781.1	1795.0
-55°	1247.5	1336.6	1420.6	1491.7	1555.1	1613.3	1659.4	1674.7	1688.1	1699.5	1709.0
-57.5°	1048.8	1137.2	1218.6	1290.6	1357.3	1418.4	1469.6	1512.6	1550.3	1582.3	1608.8
-60°	846.7	925.0	1000.8	1071.7	1137.2	1197.1	1247.5	1292.3	1331.5	1365.0	1392.5
-62.5°	651.3	717.7	784.5	846.7	904.2	957.7	1006.8	1050.5	1088.7	1121.2	1148.0
-65°	483.6	537.0	587.0	633.5	676.9	724.2	766.9	804.8	838.0	866.2	889.5
-67.5°	328.0	371.4	412.0	449.9	487.0	522.0	553.5	581.6	606.1	626.9	644.1
-70°	198.2	226.5	253.0	280.9	311.7	339.7	365.0	387.5	407.1	423.8	437.5
-72.5°	104.9	116.9	130.9	152.4	172.1	190.1	206.4	220.8	233.3	244.0	252.8
-75°	53.6	58.8	68.4	77.3	85.5	93.0	99.7	105.7	110.9	115.4	119.0
-77.5°	36.7	39.2	41.6	43.8	45.9	47.7	49.4	50.9	52.2	53.3	54.2
-80°	26.0	27.2	28.3	29.3	30.3	31.2	31.9	32.6	33.2	33.7	34.2
-82.5°	17.0	17.7	18.5	19.1	19.7	20.3	20.8	21.2	21.6	21.9	22.2
-85°	10.3	10.6	10.8	11.0	11.2	11.4	11.6	11.7	11.8	12.0	12.0
-87.5°	5.7	5.9	6.1	6.2	6.3	6.5	6.6	6.7	6.8	6.8	6.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-HEG-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.7
85°	12.1	12.2	12.2	12.2	12.2	12.2	12.1	12.0	12.0	11.8	11.7
82.5°	22.4	22.6	22.7	22.7	22.7	22.6	22.4	22.2	21.9	21.6	21.2
80°	34.5	34.7	34.9	34.9	34.9	34.7	34.5	34.2	33.7	33.2	32.6
77.5°	54.9	55.4	55.7	55.8	55.7	55.4	54.9	54.2	53.3	52.2	50.9
75°	121.8	123.9	125.1	125.5	125.1	123.9	121.8	119.0	115.4	110.9	105.7
72.5°	259.7	264.6	267.5	268.5	267.5	264.6	259.7	252.8	244.0	233.3	220.8
70°	448.2	455.9	460.5	462.0	460.5	455.9	448.2	437.5	423.8	407.1	387.5
67.5°	657.4	667.0	672.8	674.7	672.8	667.0	657.4	644.1	626.9	606.1	581.6
65°	907.6	920.6	928.4	931.0	928.4	920.6	907.6	889.5	866.2	838.0	804.8
62.5°	1168.9	1183.9	1192.9	1195.9	1192.9	1183.9	1168.9	1148.0	1121.2	1088.7	1050.5
60°	1414.0	1429.4	1438.7	1441.8	1438.7	1429.4	1414.0	1392.5	1365.0	1331.5	1292.3
57.5°	1629.5	1644.3	1653.2	1656.2	1653.2	1644.3	1629.5	1608.8	1582.3	1550.3	1512.6
55°	1716.4	1721.6	1724.8	1725.9	1724.8	1721.6	1716.4	1709.0	1699.5	1688.1	1674.7
52.5°	1806.0	1813.8	1818.5	1820.1	1818.5	1813.8	1806.0	1795.0	1781.1	1764.2	1744.4
50°	2050.3	2075.4	2090.5	2095.5	2090.5	2075.4	2050.3	2015.5	1971.0	1917.1	1854.2
47.5°	3601.2	3783.2	3892.9	3929.5	3892.9	3783.2	3601.2	3348.0	3025.4	2635.2	2179.8
45°	5179.6	5347.7	5449.0	5482.9	5449.0	5347.7	5179.6	4946.1	4648.7	4289.6	3860.5
42.5°	5738.2	5776.4	5799.5	5807.2	5799.5	5776.4	5738.2	5685.1	5617.6	5536.2	5284.4
40°	5957.1	5982.2	5997.3	6002.4	5997.3	5982.2	5957.1	5922.3	5878.1	5824.9	5734.0
37.5°	6047.9	6056.5	6061.7	6063.4	6061.7	6056.5	6047.9	6036.1	6021.0	6003.0	5937.5
35°	5855.6	5811.5	5784.8	5775.8	5784.8	5811.5	5855.6	5916.7	5993.8	6058.6	6035.9
32.5°	5390.3	5296.9	5240.4	5221.4	5240.4	5296.9	5390.3	5519.0	5681.2	5827.2	5942.8
30°	5127.6	5101.4	5085.5	5080.2	5085.5	5101.4	5127.6	5163.5	5208.7	5382.4	5624.1
27.5°	5297.4	5368.0	5411.0	5425.4	5411.0	5368.0	5297.4	5200.6	5080.5	5139.1	5205.9
25°	5966.2	6175.2	6302.9	6345.9	6302.9	6175.2	5966.2	5680.9	5388.1	5231.5	5090.9
22.5°	10170.7	11976.0	13083.6	13457.0	13083.6	11976.0	10170.7	7721.9	6132.2	5674.4	5325.7
20°	23261.6	29135.0	32759.3	33985.2	32759.3	29135.0	23261.6	15355.9	10759.1	6874.3	5853.6
17.5°	46138.1	55966.9	62081.7	64159.3	62081.7	55966.9	46138.1	33347.1	22559.4	12333.6	7616.9
15°	82113.0	104055.3	117870.8	122597.0	117870.8	104055.3	82113.0	58560.7	40825.2	25030.1	12333.6
12.5°	136950.5	174040.0	200781.3	210928.1	200781.3	174040.0	136950.5	100205.6	62868.2	40825.2	22559.4
10°	211883.4	273989.7	320453.3	337050.1	320453.3	273989.7	211883.4	150897.6	100205.6	58560.7	33347.1
7.5°	304834.0	388307.4	446960.3	466930.0	446960.3	388307.4	304834.0	211883.4	136950.5	82113.0	46138.1
5°	388307.4	488384.3	555321.9	580084.0	555321.9	488384.3	388307.4	273989.7	174040.0	104055.3	55966.9
2.5°	446960.3	555321.9	634748.7	672410.1	634748.7	555321.9	446960.3	320453.3	200781.3	117870.8	62081.7
0°	466930.0	580084.0	672410.1	728017.4	672410.1	580084.0	466930.0	337050.1	210928.1	122597.0	64159.3
-2.5°	446960.3	555321.9	634748.7	672410.1	634748.7	555321.9	446960.3	320453.3	200781.3	117870.8	62081.7
-5°	388307.4	488384.3	555321.9	580084.0	555321.9	488384.3	388307.4	273989.7	174040.0	104055.3	55966.9
-7.5°	304834.0	388307.4	446960.3	466930.0	446960.3	388307.4	304834.0	211883.4	136950.5	82113.0	46138.1
-10°	211883.4	273989.7	320453.3	337050.1	320453.3	273989.7	211883.4	150897.6	100205.6	58560.7	33347.1
-12.5°	136950.5	174040.0	200781.3	210928.1	200781.3	174040.0	136950.5	100205.6	62868.2	40825.2	22559.4
-15°	82113.0	104055.3	117870.8	122597.0	117870.8	104055.3	82113.0	58560.7	40825.2	25030.1	12333.6
-17.5°	46138.1	55966.9	62081.7	64159.3	62081.7	55966.9	46138.1	33347.1	22559.4	12333.6	7616.9
-20°	23261.6	29135.0	32759.3	33985.2	32759.3	29135.0	23261.6	15355.9	10759.1	6874.3	5853.6



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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°	10170.7	11976.0	13083.6	13457.0	13083.6	11976.0	10170.7	7721.9	6132.2	5674.4	5325.7
-25°	5966.2	6175.2	6302.9	6345.9	6302.9	6175.2	5966.2	5680.9	5388.1	5231.5	5090.9
-27.5°	5297.4	5368.0	5411.0	5425.4	5411.0	5368.0	5297.4	5200.6	5080.5	5139.1	5205.9
-30°	5127.6	5101.4	5085.5	5080.2	5085.5	5101.4	5127.6	5163.5	5208.7	5382.4	5624.1
-32.5°	5390.3	5296.9	5240.4	5221.4	5240.4	5296.9	5390.3	5519.0	5681.2	5827.2	5942.8
-35°	5855.6	5811.5	5784.8	5775.8	5784.8	5811.5	5855.6	5916.7	5993.8	6058.6	6035.9
-37.5°	6047.9	6056.5	6061.7	6063.4	6061.7	6056.5	6047.9	6036.1	6021.0	6003.0	5937.5
-40°	5957.1	5982.2	5997.3	6002.4	5997.3	5982.2	5957.1	5922.3	5878.1	5824.9	5734.0
-42.5°	5738.2	5776.4	5799.5	5807.2	5799.5	5776.4	5738.2	5685.1	5617.6	5536.2	5284.4
-45°	5179.6	5347.7	5449.0	5482.9	5449.0	5347.7	5179.6	4946.1	4648.7	4289.6	3860.5
-47.5°	3601.2	3783.2	3892.9	3929.5	3892.9	3783.2	3601.2	3348.0	3025.4	2635.2	2179.8
-50°	2050.3	2075.4	2090.5	2095.5	2090.5	2075.4	2050.3	2015.5	1971.0	1917.1	1854.2
-52.5°	1806.0	1813.8	1818.5	1820.1	1818.5	1813.8	1806.0	1795.0	1781.1	1764.2	1744.4
-55°	1716.4	1721.6	1724.8	1725.9	1724.8	1721.6	1716.4	1709.0	1699.5	1688.1	1674.7
-57.5°	1629.5	1644.3	1653.2	1656.2	1653.2	1644.3	1629.5	1608.8	1582.3	1550.3	1512.6
-60°	1414.0	1429.4	1438.7	1441.8	1438.7	1429.4	1414.0	1392.5	1365.0	1331.5	1292.3
-62.5°	1168.9	1183.9	1192.9	1195.9	1192.9	1183.9	1168.9	1148.0	1121.2	1088.7	1050.5
-65°	907.6	920.6	928.4	931.0	928.4	920.6	907.6	889.5	866.2	838.0	804.8
-67.5°	657.4	667.0	672.8	674.7	672.8	667.0	657.4	644.1	626.9	606.1	581.6
-70°	448.2	455.9	460.5	462.0	460.5	455.9	448.2	437.5	423.8	407.1	387.5
-72.5°	259.7	264.6	267.5	268.5	267.5	264.6	259.7	252.8	244.0	233.3	220.8
-75°	121.8	123.9	125.1	125.5	125.1	123.9	121.8	119.0	115.4	110.9	105.7
-77.5°	54.9	55.4	55.7	55.8	55.7	55.4	54.9	54.2	53.3	52.2	50.9
-80°	34.5	34.7	34.9	34.9	34.9	34.7	34.5	34.2	33.7	33.2	32.6
-82.5°	22.4	22.6	22.7	22.7	22.7	22.6	22.4	22.2	21.9	21.6	21.2
-85°	12.1	12.2	12.2	12.2	12.2	12.2	12.1	12.0	12.0	11.8	11.7
-87.5°	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.6	6.5	6.3	6.2	6.1	5.9	5.7	5.6	5.4	5.2	4.9
85°	11.6	11.4	11.2	11.0	10.8	10.6	10.3	10.0	9.8	9.5	9.1
82.5°	20.8	20.3	19.7	19.1	18.5	17.7	17.0	16.2	15.3	14.4	13.4
80°	31.9	31.2	30.3	29.3	28.3	27.2	26.0	24.7	23.4	22.1	20.8
77.5°	49.4	47.7	45.9	43.8	41.6	39.2	36.7	34.4	32.7	30.9	29.1
75°	99.7	93.0	85.5	77.3	68.4	58.8	53.6	50.4	46.9	43.3	39.5
72.5°	206.4	190.1	172.1	152.4	130.9	116.9	104.9	92.1	78.6	64.4	53.9
70°	365.0	339.7	311.7	280.9	253.0	226.5	198.2	168.1	136.3	114.5	97.5
67.5°	553.5	522.0	487.0	449.9	412.0	371.4	328.0	282.0	242.6	204.9	165.5
65°	766.9	724.2	676.9	633.5	587.0	537.0	483.6	430.3	376.0	319.2	262.1
62.5°	1006.8	957.7	904.2	846.7	784.5	717.7	651.3	588.7	522.8	454.5	389.0
60°	1247.5	1197.1	1137.2	1071.7	1000.8	925.0	846.7	764.0	676.9	600.8	522.0
57.5°	1469.6	1418.4	1357.3	1290.6	1218.6	1137.2	1048.8	955.5	859.8	760.5	660.2
55°	1659.4	1613.3	1555.1	1491.7	1420.6	1336.6	1247.5	1150.1	1043.8	932.8	821.0
52.5°	1722.9	1704.3	1683.7	1661.3	1597.6	1518.3	1433.1	1331.5	1225.1	1107.8	983.6
50°	1807.2	1779.8	1749.7	1719.2	1693.2	1665.3	1593.8	1498.5	1392.5	1273.5	1146.5
47.5°	2030.4	1943.6	1848.2	1794.4	1756.4	1718.5	1686.9	1648.5	1541.9	1429.4	1297.8
45°	3299.4	2674.7	2079.6	1968.2	1848.9	1786.6	1740.8	1701.5	1664.5	1563.7	1441.8
42.5°	4770.4	4199.2	3510.1	2713.1	2060.3	1924.6	1807.0	1755.9	1708.8	1668.1	1563.7
40°	5618.0	5489.5	4842.4	4118.3	3240.5	2276.2	1970.6	1817.3	1761.0	1708.8	1664.5
37.5°	5862.1	5759.9	5609.2	5312.4	4487.6	3561.4	2486.0	1986.1	1817.3	1755.9	1701.5
35°	6010.5	5938.6	5841.3	5690.7	5507.1	4674.3	3669.1	2486.0	1970.6	1807.0	1740.8
32.5°	6061.5	6031.4	5990.8	5879.5	5731.9	5527.2	4674.3	3561.4	2276.2	1924.6	1786.6
30°	5836.9	5989.8	6044.1	6007.0	5892.3	5731.9	5507.1	4487.6	3240.5	2060.3	1848.9
27.5°	5451.6	5768.3	5947.8	6048.4	6007.0	5879.5	5690.7	5312.4	4118.3	2713.1	1968.2
25°	5171.0	5363.7	5726.0	5947.8	6044.1	5990.8	5841.3	5609.2	4842.4	3510.1	2079.6
22.5°	5114.1	5159.3	5363.7	5768.3	5989.8	6031.4	5938.6	5759.9	5489.5	4199.2	2674.7
20°	5357.6	5114.1	5171.0	5451.6	5836.9	6061.5	6010.5	5862.1	5618.0	4770.4	3299.4
17.5°	5853.6	5325.7	5090.9	5205.9	5624.1	5942.8	6035.9	5937.5	5734.0	5284.4	3860.5
15°	6874.3	5674.4	5231.5	5139.1	5382.4	5827.2	6058.6	6003.0	5824.9	5536.2	4289.6
12.5°	10759.1	6132.2	5388.1	5080.5	5208.7	5681.2	5993.8	6021.0	5878.1	5617.6	4648.7
10°	15355.9	7721.9	5680.9	5200.6	5163.5	5519.0	5916.7	6036.1	5922.3	5685.1	4946.1
7.5°	23261.6	10170.7	5966.2	5297.4	5127.6	5390.3	5855.6	6047.9	5957.1	5738.2	5179.6
5°	29135.0	11976.0	6175.2	5368.0	5101.4	5296.9	5811.5	6056.5	5982.2	5776.4	5347.7
2.5°	32759.3	13083.6	6302.9	5411.0	5085.5	5240.4	5784.8	6061.7	5997.3	5799.5	5449.0
0°	33985.2	13457.0	6345.9	5425.4	5080.2	5221.4	5775.8	6063.4	6002.4	5807.2	5482.9
-2.5°	32759.3	13083.6	6302.9	5411.0	5085.5	5240.4	5784.8	6061.7	5997.3	5799.5	5449.0
-5°	29135.0	11976.0	6175.2	5368.0	5101.4	5296.9	5811.5	6056.5	5982.2	5776.4	5347.7
-7.5°	23261.6	10170.7	5966.2	5297.4	5127.6	5390.3	5855.6	6047.9	5957.1	5738.2	5179.6
-10°	15355.9	7721.9	5680.9	5200.6	5163.5	5519.0	5916.7	6036.1	5922.3	5685.1	4946.1
-12.5°	10759.1	6132.2	5388.1	5080.5	5208.7	5681.2	5993.8	6021.0	5878.1	5617.6	4648.7
-15°	6874.3	5674.4	5231.5	5139.1	5382.4	5827.2	6058.6	6003.0	5824.9	5536.2	4289.6
-17.5°	5853.6	5325.7	5090.9	5205.9	5624.1	5942.8	6035.9	5937.5	5734.0	5284.4	3860.5
-20°	5357.6	5114.1	5171.0	5451.6	5836.9	6061.5	6010.5	5862.1	5618.0	4770.4	3299.4



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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°	5114.1	5159.3	5363.7	5768.3	5989.8	6031.4	5938.6	5759.9	5489.5	4199.2	2674.7
-25°	5171.0	5363.7	5726.0	5947.8	6044.1	5990.8	5841.3	5609.2	4842.4	3510.1	2079.6
-27.5°	5451.6	5768.3	5947.8	6048.4	6007.0	5879.5	5690.7	5312.4	4118.3	2713.1	1968.2
-30°	5836.9	5989.8	6044.1	6007.0	5892.3	5731.9	5507.1	4487.6	3240.5	2060.3	1848.9
-32.5°	6061.5	6031.4	5990.8	5879.5	5731.9	5527.2	4674.3	3561.4	2276.2	1924.6	1786.6
-35°	6010.5	5938.6	5841.3	5690.7	5507.1	4674.3	3669.1	2486.0	1970.6	1807.0	1740.8
-37.5°	5862.1	5759.9	5609.2	5312.4	4487.6	3561.4	2486.0	1986.1	1817.3	1755.9	1701.5
-40°	5618.0	5489.5	4842.4	4118.3	3240.5	2276.2	1970.6	1817.3	1761.0	1708.8	1664.5
-42.5°	4770.4	4199.2	3510.1	2713.1	2060.3	1924.6	1807.0	1755.9	1708.8	1668.1	1563.7
-45°	3299.4	2674.7	2079.6	1968.2	1848.9	1786.6	1740.8	1701.5	1664.5	1563.7	1441.8
-47.5°	2030.4	1943.6	1848.2	1794.4	1756.4	1718.5	1686.9	1648.5	1541.9	1429.4	1297.8
-50°	1807.2	1779.8	1749.7	1719.2	1693.2	1665.3	1593.8	1498.5	1392.5	1273.5	1146.5
-52.5°	1722.9	1704.3	1683.7	1661.3	1597.6	1518.3	1433.1	1331.5	1225.1	1107.8	983.6
-55°	1659.4	1613.3	1555.1	1491.7	1420.6	1336.6	1247.5	1150.1	1043.8	932.8	821.0
-57.5°	1469.6	1418.4	1357.3	1290.6	1218.6	1137.2	1048.8	955.5	859.8	760.5	660.2
-60°	1247.5	1197.1	1137.2	1071.7	1000.8	925.0	846.7	764.0	676.9	600.8	522.0
-62.5°	1006.8	957.7	904.2	846.7	784.5	717.7	651.3	588.7	522.8	454.5	389.0
-65°	766.9	724.2	676.9	633.5	587.0	537.0	483.6	430.3	376.0	319.2	262.1
-67.5°	553.5	522.0	487.0	449.9	412.0	371.4	328.0	282.0	242.6	204.9	165.5
-70°	365.0	339.7	311.7	280.9	253.0	226.5	198.2	168.1	136.3	114.5	97.5
-72.5°	206.4	190.1	172.1	152.4	130.9	116.9	104.9	92.1	78.6	64.4	53.9
-75°	99.7	93.0	85.5	77.3	68.4	58.8	53.6	50.4	46.9	43.3	39.5
-77.5°	49.4	47.7	45.9	43.8	41.6	39.2	36.7	34.4	32.7	30.9	29.1
-80°	31.9	31.2	30.3	29.3	28.3	27.2	26.0	24.7	23.4	22.1	20.8
-82.5°	20.8	20.3	19.7	19.1	18.5	17.7	17.0	16.2	15.3	14.4	13.4
-85°	11.6	11.4	11.2	11.0	10.8	10.6	10.3	10.0	9.8	9.5	9.1
-87.5°	6.6	6.5	6.3	6.2	6.1	5.9	5.7	5.6	5.4	5.2	4.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701487 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-70-1S-HEG-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	4.5	4.3	4.0	3.8	3.5	3.2	3.0	2.7	2.4	2.1
85°	8.8	8.5	8.1	7.8	7.4	7.0	6.5	5.9	5.4	4.8	4.2
82.5°	12.4	11.8	11.3	10.7	10.2	9.6	9.0	8.4	7.8	7.1	6.3
80°	19.5	18.1	16.7	15.2	13.7	12.2	11.4	10.6	9.7	8.9	8.0
77.5°	27.1	25.1	23.0	21.2	19.2	17.3	15.3	13.2	11.7	10.6	9.6
75°	35.5	32.8	30.3	27.8	25.1	22.4	20.0	17.6	15.1	12.5	11.1
72.5°	49.3	44.5	39.5	34.6	31.5	28.3	25.0	21.9	19.0	16.0	13.0
70°	79.8	61.4	51.8	45.9	39.8	34.2	30.4	26.7	22.8	19.4	16.0
67.5°	125.0	104.3	82.9	60.8	50.5	43.5	36.4	31.5	27.2	22.8	19.0
65°	216.4	169.1	122.9	98.4	73.2	53.3	45.4	37.3	31.5	26.7	21.9
62.5°	320.9	255.1	201.3	146.0	107.8	79.5	54.2	45.4	36.4	30.4	25.0
60°	442.1	365.0	285.6	220.8	158.9	110.9	79.5	53.3	43.5	34.2	28.3
57.5°	571.3	479.4	391.7	303.3	227.3	158.9	107.8	73.2	50.5	39.8	31.5
55°	705.4	601.1	499.1	400.7	303.3	220.8	146.0	98.4	60.8	45.9	34.6
52.5°	857.7	729.6	611.1	499.1	391.7	285.6	201.3	122.9	82.9	51.8	39.5
50°	1009.2	869.9	729.6	601.1	479.4	365.0	255.1	169.1	104.3	61.4	44.5
47.5°	1159.5	1009.2	857.7	705.4	571.3	442.1	320.9	216.4	125.0	79.8	49.3
45°	1297.8	1146.5	983.6	821.0	660.2	522.0	389.0	262.1	165.5	97.5	53.9
42.5°	1429.4	1273.5	1107.8	932.8	760.5	600.8	454.5	319.2	204.9	114.5	64.4
40°	1541.9	1392.5	1225.1	1043.8	859.8	676.9	522.8	376.0	242.6	136.3	78.6
37.5°	1648.5	1498.5	1331.5	1150.1	955.5	764.0	588.7	430.3	282.0	168.1	92.1
35°	1686.9	1593.8	1433.1	1247.5	1048.8	846.7	651.3	483.6	328.0	198.2	104.9
32.5°	1718.5	1665.3	1518.3	1336.6	1137.2	925.0	717.7	537.0	371.4	226.5	116.9
30°	1756.4	1693.2	1597.6	1420.6	1218.6	1000.8	784.5	587.0	412.0	253.0	130.9
27.5°	1794.4	1719.2	1661.3	1491.7	1290.6	1071.7	846.7	633.5	449.9	280.9	152.4
25°	1848.2	1749.7	1683.7	1555.1	1357.3	1137.2	904.2	676.9	487.0	311.7	172.1
22.5°	1943.6	1779.8	1704.3	1613.3	1418.4	1197.1	957.7	724.2	522.0	339.7	190.1
20°	2030.4	1807.2	1722.9	1659.4	1469.6	1247.5	1006.8	766.9	553.5	365.0	206.4
17.5°	2179.8	1854.2	1744.4	1674.7	1512.6	1292.3	1050.5	804.8	581.6	387.5	220.8
15°	2635.2	1917.1	1764.2	1688.1	1550.3	1331.5	1088.7	838.0	606.1	407.1	233.3
12.5°	3025.4	1971.0	1781.1	1699.5	1582.3	1365.0	1121.2	866.2	626.9	423.8	244.0
10°	3348.0	2015.5	1795.0	1709.0	1608.8	1392.5	1148.0	889.5	644.1	437.5	252.8
7.5°	3601.2	2050.3	1806.0	1716.4	1629.5	1414.0	1168.9	907.6	657.4	448.2	259.7
5°	3783.2	2075.4	1813.8	1721.6	1644.3	1429.4	1183.9	920.6	667.0	455.9	264.6
2.5°	3892.9	2090.5	1818.5	1724.8	1653.2	1438.7	1192.9	928.4	672.8	460.5	267.5
0°	3929.5	2095.5	1820.1	1725.9	1656.2	1441.8	1195.9	931.0	674.7	462.0	268.5
-2.5°	3892.9	2090.5	1818.5	1724.8	1653.2	1438.7	1192.9	928.4	672.8	460.5	267.5
-5°	3783.2	2075.4	1813.8	1721.6	1644.3	1429.4	1183.9	920.6	667.0	455.9	264.6
-7.5°	3601.2	2050.3	1806.0	1716.4	1629.5	1414.0	1168.9	907.6	657.4	448.2	259.7
-10°	3348.0	2015.5	1795.0	1709.0	1608.8	1392.5	1148.0	889.5	644.1	437.5	252.8
-12.5°	3025.4	1971.0	1781.1	1699.5	1582.3	1365.0	1121.2	866.2	626.9	423.8	244.0
-15°	2635.2	1917.1	1764.2	1688.1	1550.3	1331.5	1088.7	838.0	606.1	407.1	233.3
-17.5°	2179.8	1854.2	1744.4	1674.7	1512.6	1292.3	1050.5	804.8	581.6	387.5	220.8
-20°	2030.4	1807.2	1722.9	1659.4	1469.6	1247.5	1006.8	766.9	553.5	365.0	206.4



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1943.6	1779.8	1704.3	1613.3	1418.4	1197.1	957.7	724.2	522.0	339.7	190.1
-25°	1848.2	1749.7	1683.7	1555.1	1357.3	1137.2	904.2	676.9	487.0	311.7	172.1
-27.5°	1794.4	1719.2	1661.3	1491.7	1290.6	1071.7	846.7	633.5	449.9	280.9	152.4
-30°	1756.4	1693.2	1597.6	1420.6	1218.6	1000.8	784.5	587.0	412.0	253.0	130.9
-32.5°	1718.5	1665.3	1518.3	1336.6	1137.2	925.0	717.7	537.0	371.4	226.5	116.9
-35°	1686.9	1593.8	1433.1	1247.5	1048.8	846.7	651.3	483.6	328.0	198.2	104.9
-37.5°	1648.5	1498.5	1331.5	1150.1	955.5	764.0	588.7	430.3	282.0	168.1	92.1
-40°	1541.9	1392.5	1225.1	1043.8	859.8	676.9	522.8	376.0	242.6	136.3	78.6
-42.5°	1429.4	1273.5	1107.8	932.8	760.5	600.8	454.5	319.2	204.9	114.5	64.4
-45°	1297.8	1146.5	983.6	821.0	660.2	522.0	389.0	262.1	165.5	97.5	53.9
-47.5°	1159.5	1009.2	857.7	705.4	571.3	442.1	320.9	216.4	125.0	79.8	49.3
-50°	1009.2	869.9	729.6	601.1	479.4	365.0	255.1	169.1	104.3	61.4	44.5
-52.5°	857.7	729.6	611.1	499.1	391.7	285.6	201.3	122.9	82.9	51.8	39.5
-55°	705.4	601.1	499.1	400.7	303.3	220.8	146.0	98.4	60.8	45.9	34.6
-57.5°	571.3	479.4	391.7	303.3	227.3	158.9	107.8	73.2	50.5	39.8	31.5
-60°	442.1	365.0	285.6	220.8	158.9	110.9	79.5	53.3	43.5	34.2	28.3
-62.5°	320.9	255.1	201.3	146.0	107.8	79.5	54.2	45.4	36.4	30.4	25.0
-65°	216.4	169.1	122.9	98.4	73.2	53.3	45.4	37.3	31.5	26.7	21.9
-67.5°	125.0	104.3	82.9	60.8	50.5	43.5	36.4	31.5	27.2	22.8	19.0
-70°	79.8	61.4	51.8	45.9	39.8	34.2	30.4	26.7	22.8	19.4	16.0
-72.5°	49.3	44.5	39.5	34.6	31.5	28.3	25.0	21.9	19.0	16.0	13.0
-75°	35.5	32.8	30.3	27.8	25.1	22.4	20.0	17.6	15.1	12.5	11.1
-77.5°	27.1	25.1	23.0	21.2	19.2	17.3	15.3	13.2	11.7	10.6	9.6
-80°	19.5	18.1	16.7	15.2	13.7	12.2	11.4	10.6	9.7	8.9	8.0
-82.5°	12.4	11.8	11.3	10.7	10.2	9.6	9.0	8.4	7.8	7.1	6.3
-85°	8.8	8.5	8.1	7.8	7.4	7.0	6.5	5.9	5.4	4.8	4.2
-87.5°	4.7	4.5	4.3	4.0	3.8	3.5	3.2	3.0	2.7	2.4	2.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
85°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
82.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
80°	7.2	6.0	4.8	3.6	2.4	1.2	0.0
77.5°	8.5	7.4	6.0	4.5	3.0	1.5	0.0
75°	9.8	8.5	7.2	5.4	3.6	1.8	0.0
72.5°	11.1	9.6	8.0	6.3	4.2	2.1	0.0
70°	12.5	10.6	8.9	7.1	4.8	2.4	0.0
67.5°	15.1	11.7	9.7	7.8	5.4	2.7	0.0
65°	17.6	13.2	10.6	8.4	5.9	3.0	0.0
62.5°	20.0	15.3	11.4	9.0	6.5	3.2	0.0
60°	22.4	17.3	12.2	9.6	7.0	3.5	0.0
57.5°	25.1	19.2	13.7	10.2	7.4	3.8	0.0
55°	27.8	21.2	15.2	10.7	7.8	4.0	0.0
52.5°	30.3	23.0	16.7	11.3	8.1	4.3	0.0
50°	32.8	25.1	18.1	11.8	8.5	4.5	0.0
47.5°	35.5	27.1	19.5	12.4	8.8	4.7	0.0
45°	39.5	29.1	20.8	13.4	9.1	4.9	0.0
42.5°	43.3	30.9	22.1	14.4	9.5	5.2	0.0
40°	46.9	32.7	23.4	15.3	9.8	5.4	0.0
37.5°	50.4	34.4	24.7	16.2	10.0	5.6	0.0
35°	53.6	36.7	26.0	17.0	10.3	5.7	0.0
32.5°	58.8	39.2	27.2	17.7	10.6	5.9	0.0
30°	68.4	41.6	28.3	18.5	10.8	6.1	0.0
27.5°	77.3	43.8	29.3	19.1	11.0	6.2	0.0
25°	85.5	45.9	30.3	19.7	11.2	6.3	0.0
22.5°	93.0	47.7	31.2	20.3	11.4	6.5	0.0
20°	99.7	49.4	31.9	20.8	11.6	6.6	0.0
17.5°	105.7	50.9	32.6	21.2	11.7	6.7	0.0
15°	110.9	52.2	33.2	21.6	11.8	6.8	0.0
12.5°	115.4	53.3	33.7	21.9	12.0	6.8	0.0
10°	119.0	54.2	34.2	22.2	12.0	6.9	0.0
7.5°	121.8	54.9	34.5	22.4	12.1	6.9	0.0
5°	123.9	55.4	34.7	22.6	12.2	7.0	0.0
2.5°	125.1	55.7	34.9	22.7	12.2	7.0	0.0
0°	125.5	55.8	34.9	22.7	12.2	7.0	0.0
-2.5°	125.1	55.7	34.9	22.7	12.2	7.0	0.0
-5°	123.9	55.4	34.7	22.6	12.2	7.0	0.0
-7.5°	121.8	54.9	34.5	22.4	12.1	6.9	0.0
-10°	119.0	54.2	34.2	22.2	12.0	6.9	0.0
-12.5°	115.4	53.3	33.7	21.9	12.0	6.8	0.0
-15°	110.9	52.2	33.2	21.6	11.8	6.8	0.0
-17.5°	105.7	50.9	32.6	21.2	11.7	6.7	0.0
-20°	99.7	49.4	31.9	20.8	11.6	6.6	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	93.0	47.7	31.2	20.3	11.4	6.5	0.0
-25°	85.5	45.9	30.3	19.7	11.2	6.3	0.0
-27.5°	77.3	43.8	29.3	19.1	11.0	6.2	0.0
-30°	68.4	41.6	28.3	18.5	10.8	6.1	0.0
-32.5°	58.8	39.2	27.2	17.7	10.6	5.9	0.0
-35°	53.6	36.7	26.0	17.0	10.3	5.7	0.0
-37.5°	50.4	34.4	24.7	16.2	10.0	5.6	0.0
-40°	46.9	32.7	23.4	15.3	9.8	5.4	0.0
-42.5°	43.3	30.9	22.1	14.4	9.5	5.2	0.0
-45°	39.5	29.1	20.8	13.4	9.1	4.9	0.0
-47.5°	35.5	27.1	19.5	12.4	8.8	4.7	0.0
-50°	32.8	25.1	18.1	11.8	8.5	4.5	0.0
-52.5°	30.3	23.0	16.7	11.3	8.1	4.3	0.0
-55°	27.8	21.2	15.2	10.7	7.8	4.0	0.0
-57.5°	25.1	19.2	13.7	10.2	7.4	3.8	0.0
-60°	22.4	17.3	12.2	9.6	7.0	3.5	0.0
-62.5°	20.0	15.3	11.4	9.0	6.5	3.2	0.0
-65°	17.6	13.2	10.6	8.4	5.9	3.0	0.0
-67.5°	15.1	11.7	9.7	7.8	5.4	2.7	0.0
-70°	12.5	10.6	8.9	7.1	4.8	2.4	0.0
-72.5°	11.1	9.6	8.0	6.3	4.2	2.1	0.0
-75°	9.8	8.5	7.2	5.4	3.6	1.8	0.0
-77.5°	8.5	7.4	6.0	4.5	3.0	1.5	0.0
-80°	7.2	6.0	4.8	3.6	2.4	1.2	0.0
-82.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
-85°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-87.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(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

