

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: P701396 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-70-7F-HEG-S**

Issue Date: 8/15/2023

Test Information

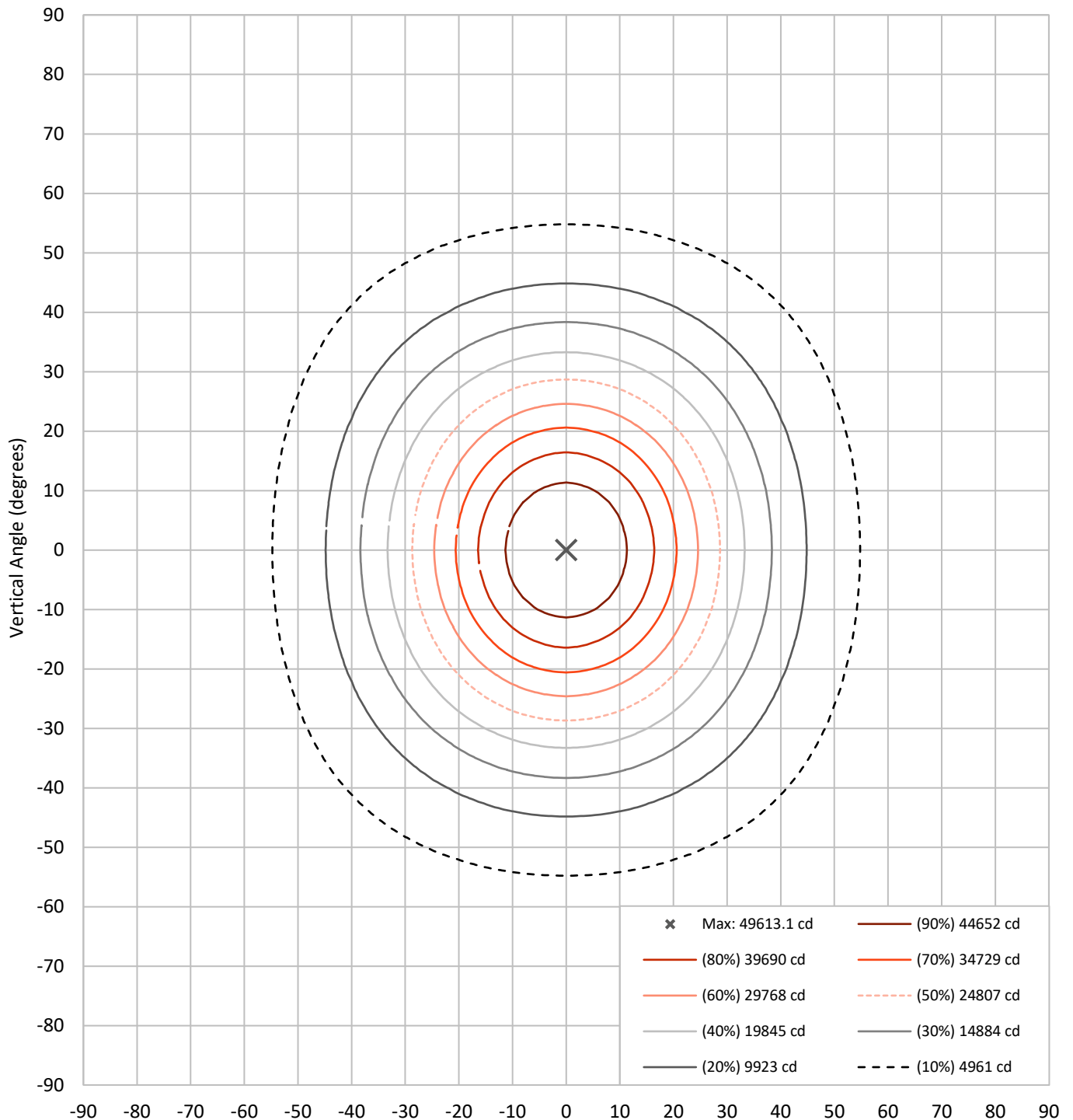
Test Method: LM-79-08
Report Number: P701396 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-7)
Test Lab: INNOVATION CENTER
Issue Date: 8/15/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-70-7F-HEG-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	55978.6 lumens	Max Intensity:	49613.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	162.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	57.4°H x 57.4°V	Field Angle (10%):	109.4°H x 109.4°V
Beam Lumens:	27569.5 lumens	Field Lumens:	50784.7 lumens
Beam Efficiency:	49.2%	Field Efficiency:	90.7%
Input Watts (W):	344.2		
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





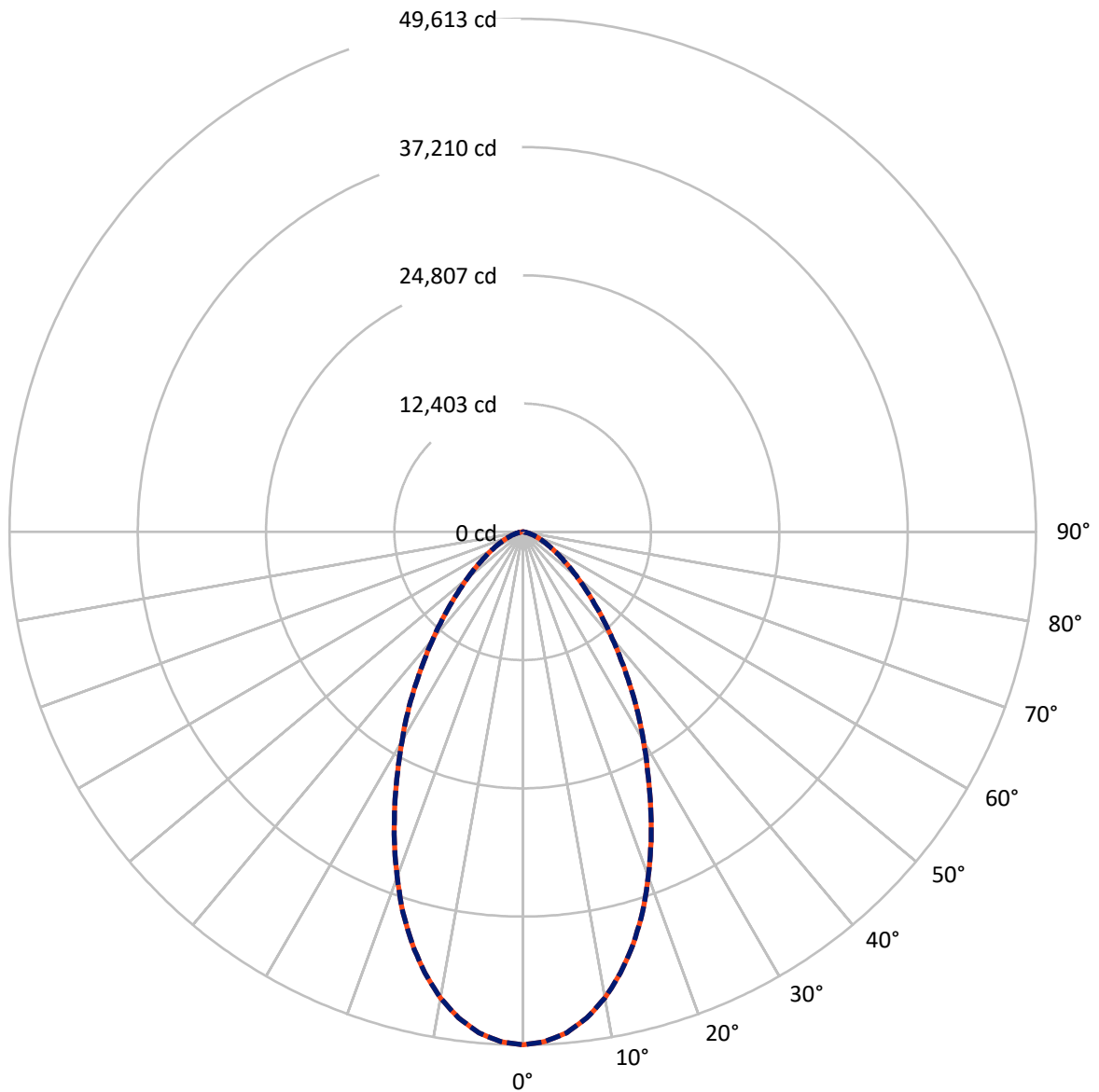
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Lumen Table

90																			
80	0.7	7.6		25.7		47.0		56.3		47.0		25.7		7.6		0.7			
70																			
60	3.6	4.9	12.4	23.4	36.8	50.5	62.0	68.4	68.4	62.0	50.5	36.8	23.4	12.4	4.9	3.6			
50		9.2	23.2	44.6	72.5	103.7	131.8	148.4	148.4	131.8	103.7	72.5	44.6	23.2	9.2				
40	8.5	14.2	36.3	73.1	126.8	192.8	256.2	295.6	295.6	256.2	192.8	126.8	73.1	36.3	14.2	8.5			
30		19.4	51.2	109.9	204.1	329.2	456.5	538.6	538.6	456.5	329.2	204.1	109.9	51.2	19.4				
20	12.9	24.1	66.4	151.3	298.3	505.0	721.2	865.2	865.2	721.2	505.0	298.3	151.3	66.4	24.1	12.9			
10		27.8	79.3	189.0	388.8	677.8	995.1	1209.1	1209.1	995.1	677.8	388.8	189.0	79.3	27.8				
0	14.6	29.7	86.6	211.7	445.1	789.1	1173.3	1423.5	1423.5	1173.3	789.1	445.1	211.7	86.6	29.7	14.6			
-10		29.7	86.6	211.7	445.1	789.1	1173.3	1423.5	1423.5	1173.3	789.1	445.1	211.7	86.6	29.7				
-20	12.9	27.8	79.3	189.0	388.8	677.8	995.1	1209.1	1209.1	995.1	677.8	388.8	189.0	79.3	27.8	12.9			
-30		24.1	66.4	151.3	298.3	505.0	721.2	865.2	865.2	721.2	505.0	298.3	151.3	66.4	24.1				
-40	8.5	19.4	51.2	109.9	204.1	329.2	456.5	538.6	538.6	456.5	329.2	204.1	109.9	51.2	19.4	8.5			
-50		14.2	36.3	73.1	126.8	192.8	256.2	295.6	295.6	256.2	192.8	126.8	73.1	36.3	14.2				
-60	3.6	9.2	23.2	44.6	72.5	103.7	131.8	148.4	148.4	131.8	103.7	72.5	44.6	23.2	9.2	3.6			
-70		4.9	12.4	23.4	36.8	50.5	62.0	68.4	68.4	62.0	50.5	36.8	23.4	12.4	4.9				
-80	0.7	7.6		25.7		47.0		56.3		47.0		25.7		7.6		0.7			
-90																			

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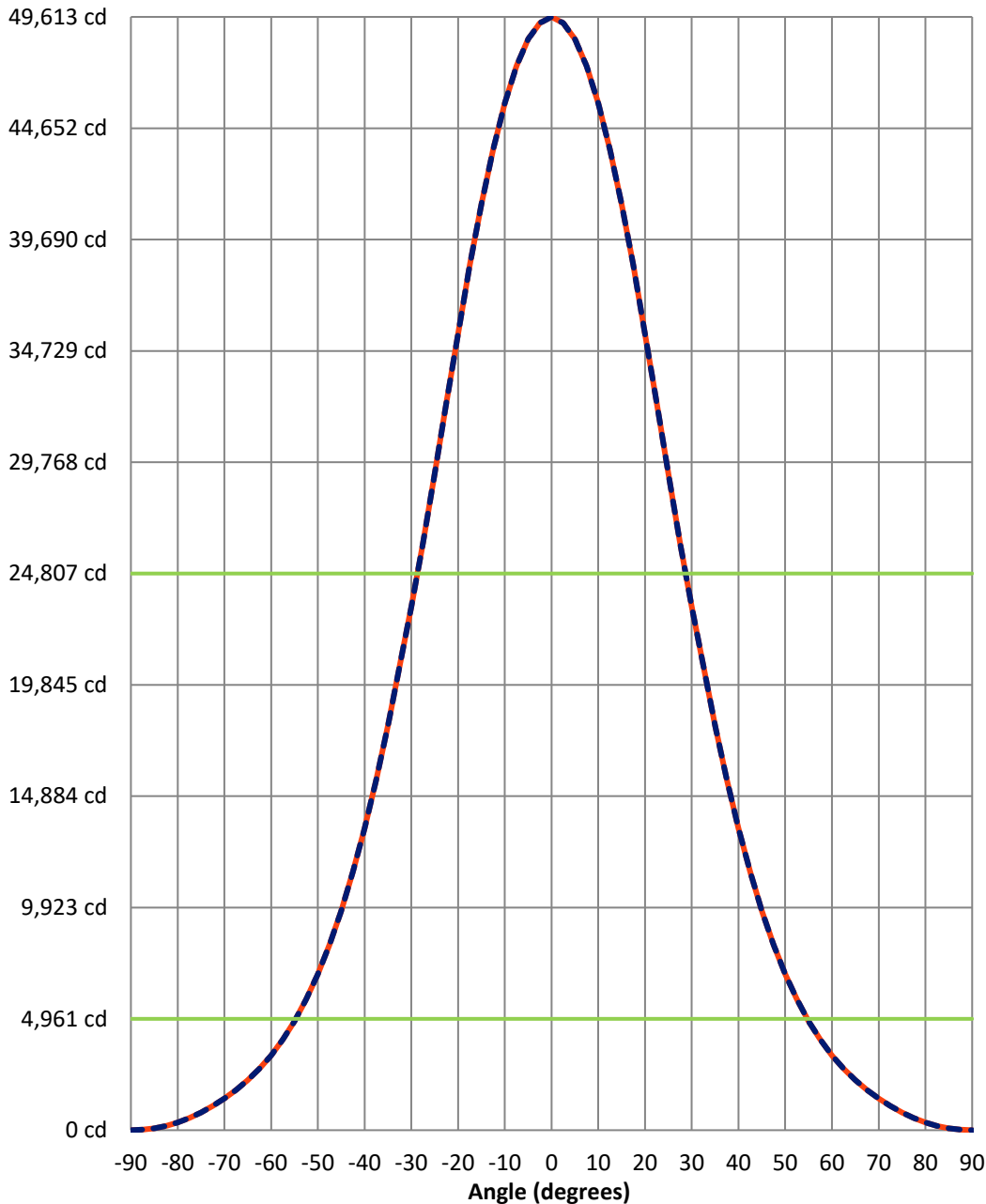
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 57.4°
V Angle: 57.4°
Lumens: 27569.5
Efficiency: 49.2%

Field:
H Angle: 109.4°
V Angle: 109.4°
Lumens: 50784.7
Efficiency: 90.7%

Spill:
Lumens: 5194
Efficiency: 9.3%

— 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	1.1	2.2	3.3	4.4	5.5	6.5	7.6	8.6	9.6	10.6
85°	0.0	2.2	4.4	6.6	8.7	10.9	13.0	15.1	17.2	19.3	21.3
82.5°	0.0	3.3	6.6	9.8	13.1	16.3	19.5	22.7	26.5	33.6	40.4
80°	0.0	4.4	8.7	13.1	17.4	21.7	26.9	36.5	46.0	55.3	64.5
77.5°	0.0	5.5	10.9	16.3	21.7	29.5	41.6	53.5	65.3	77.0	93.1
75°	0.0	6.5	13.0	19.5	26.9	41.6	56.0	70.4	86.0	111.4	136.4
72.5°	0.0	7.6	15.1	22.7	36.5	53.5	70.4	90.6	120.6	150.2	179.3
70°	0.0	8.6	17.2	26.5	46.0	65.3	86.0	120.6	154.8	189.0	238.1
67.5°	0.0	9.6	19.3	33.6	55.3	77.0	111.4	150.2	189.0	245.0	300.0
65°	0.0	10.6	21.3	40.4	64.5	93.1	136.4	179.3	238.1	300.0	366.2
62.5°	0.0	11.6	23.2	47.2	73.5	113.6	161.0	217.6	286.3	357.3	443.2
60°	0.0	12.6	25.2	53.8	82.3	133.6	185.0	259.0	333.6	425.5	518.8
57.5°	0.0	13.5	29.4	60.2	97.5	153.2	218.4	299.5	390.2	492.1	603.8
55°	0.0	14.5	33.6	66.5	112.8	172.2	252.2	338.9	448.0	560.3	692.1
52.5°	0.0	15.3	37.7	72.5	127.6	192.1	285.0	386.9	504.2	637.7	778.0
50°	0.0	16.2	41.6	78.4	141.9	218.6	316.8	434.6	562.3	712.8	876.3
47.5°	0.0	17.0	45.3	85.2	155.7	244.2	348.7	480.6	626.8	785.4	973.1
45°	0.0	17.8	49.0	95.1	168.9	268.7	386.7	525.0	688.9	868.9	1066.5
42.5°	0.0	18.6	52.4	104.6	181.6	292.3	423.0	573.0	748.5	949.5	1166.8
40°	0.0	19.3	55.7	113.7	196.7	314.7	457.8	622.7	809.1	1026.6	1264.7
37.5°	0.0	20.0	58.9	122.3	213.7	336.1	490.8	670.0	874.1	1102.8	1358.0
35°	0.0	20.6	61.9	130.5	229.8	360.1	522.1	714.7	935.7	1182.0	1451.1
32.5°	0.0	21.3	64.7	138.1	245.0	384.5	553.4	756.9	993.6	1256.7	1546.0
30°	0.0	21.8	67.3	145.3	259.1	407.3	587.0	798.1	1047.9	1326.6	1635.0
27.5°	0.0	22.4	69.7	151.9	272.3	428.5	618.2	842.0	1101.0	1391.7	1717.8
25°	0.0	22.8	71.9	158.0	284.3	447.9	647.0	882.4	1153.9	1457.0	1794.7
22.5°	0.0	23.3	73.9	163.6	295.4	465.7	673.2	919.2	1202.2	1519.3	1876.1
20°	0.0	23.7	75.7	168.6	305.3	481.7	696.8	952.5	1245.7	1575.5	1949.5
17.5°	0.0	24.0	77.4	173.0	314.1	495.9	717.7	982.0	1284.4	1625.4	2014.9
15°	0.0	24.3	78.8	176.9	321.7	508.3	736.0	1007.7	1318.2	1669.0	2071.9
12.5°	0.0	24.6	80.0	180.2	328.2	518.8	751.5	1029.5	1346.9	1706.0	2120.5
10°	0.0	24.8	80.9	182.9	333.6	527.4	764.2	1047.5	1370.4	1736.5	2160.4
7.5°	0.0	25.0	81.7	185.0	337.7	534.1	774.2	1061.5	1388.8	1760.3	2191.6
5°	0.0	25.1	82.3	186.5	340.7	538.9	781.3	1071.6	1402.0	1777.3	2214.0
2.5°	0.0	25.2	82.6	187.4	342.5	541.8	785.6	1077.6	1410.0	1787.6	2227.4
0°	0.0	25.2	82.7	187.7	343.1	542.8	787.0	1079.6	1412.6	1791.0	2231.9
-2.5°	0.0	25.2	82.6	187.4	342.5	541.8	785.6	1077.6	1410.0	1787.6	2227.4
-5°	0.0	25.1	82.3	186.5	340.7	538.9	781.3	1071.6	1402.0	1777.3	2214.0
-7.5°	0.0	25.0	81.7	185.0	337.7	534.1	774.2	1061.5	1388.8	1760.3	2191.6
-10°	0.0	24.8	80.9	182.9	333.6	527.4	764.2	1047.5	1370.4	1736.5	2160.4
-12.5°	0.0	24.6	80.0	180.2	328.2	518.8	751.5	1029.5	1346.9	1706.0	2120.5
-15°	0.0	24.3	78.8	176.9	321.7	508.3	736.0	1007.7	1318.2	1669.0	2071.9
-17.5°	0.0	24.0	77.4	173.0	314.1	495.9	717.7	982.0	1284.4	1625.4	2014.9
-20°	0.0	23.7	75.7	168.6	305.3	481.7	696.8	952.5	1245.7	1575.5	1949.5



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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	23.3	73.9	163.6	295.4	465.7	673.2	919.2	1202.2	1519.3	1876.1
-25°	0.0	22.8	71.9	158.0	284.3	447.9	647.0	882.4	1153.9	1457.0	1794.7
-27.5°	0.0	22.4	69.7	151.9	272.3	428.5	618.2	842.0	1101.0	1391.7	1717.8
-30°	0.0	21.8	67.3	145.3	259.1	407.3	587.0	798.1	1047.9	1326.6	1635.0
-32.5°	0.0	21.3	64.7	138.1	245.0	384.5	553.4	756.9	993.6	1256.7	1546.0
-35°	0.0	20.6	61.9	130.5	229.8	360.1	522.1	714.7	935.7	1182.0	1451.1
-37.5°	0.0	20.0	58.9	122.3	213.7	336.1	490.8	670.0	874.1	1102.8	1358.0
-40°	0.0	19.3	55.7	113.7	196.7	314.7	457.8	622.7	809.1	1026.6	1264.7
-42.5°	0.0	18.6	52.4	104.6	181.6	292.3	423.0	573.0	748.5	949.5	1166.8
-45°	0.0	17.8	49.0	95.1	168.9	268.7	386.7	525.0	688.9	868.9	1066.5
-47.5°	0.0	17.0	45.3	85.2	155.7	244.2	348.7	480.6	626.8	785.4	973.1
-50°	0.0	16.2	41.6	78.4	141.9	218.6	316.8	434.6	562.3	712.8	876.3
-52.5°	0.0	15.3	37.7	72.5	127.6	192.1	285.0	386.9	504.2	637.7	778.0
-55°	0.0	14.5	33.6	66.5	112.8	172.2	252.2	338.9	448.0	560.3	692.1
-57.5°	0.0	13.5	29.4	60.2	97.5	153.2	218.4	299.5	390.2	492.1	603.8
-60°	0.0	12.6	25.2	53.8	82.3	133.6	185.0	259.0	333.6	425.5	518.8
-62.5°	0.0	11.6	23.2	47.2	73.5	113.6	161.0	217.6	286.3	357.3	443.2
-65°	0.0	10.6	21.3	40.4	64.5	93.1	136.4	179.3	238.1	300.0	366.2
-67.5°	0.0	9.6	19.3	33.6	55.3	77.0	111.4	150.2	189.0	245.0	300.0
-70°	0.0	8.6	17.2	26.5	46.0	65.3	86.0	120.6	154.8	189.0	238.1
-72.5°	0.0	7.6	15.1	22.7	36.5	53.5	70.4	90.6	120.6	150.2	179.3
-75°	0.0	6.5	13.0	19.5	26.9	41.6	56.0	70.4	86.0	111.4	136.4
-77.5°	0.0	5.5	10.9	16.3	21.7	29.5	41.6	53.5	65.3	77.0	93.1
-80°	0.0	4.4	8.7	13.1	17.4	21.7	26.9	36.5	46.0	55.3	64.5
-82.5°	0.0	3.3	6.6	9.8	13.1	16.3	19.5	22.7	26.5	33.6	40.4
-85°	0.0	2.2	4.4	6.6	8.7	10.9	13.0	15.1	17.2	19.3	21.3
-87.5°	0.0	1.1	2.2	3.3	4.4	5.5	6.5	7.6	8.6	9.6	10.6
-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):

	-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°	11.6	12.6	13.5	14.5	15.3	16.2	17.0	17.8	18.6	19.3	20.0
85°	23.2	25.2	29.4	33.6	37.7	41.6	45.3	49.0	52.4	55.7	58.9
82.5°	47.2	53.8	60.2	66.5	72.5	78.4	85.2	95.1	104.6	113.7	122.3
80°	73.5	82.3	97.5	112.8	127.6	141.9	155.7	168.9	181.6	196.7	213.7
77.5°	113.6	133.6	153.2	172.2	192.1	218.6	244.2	268.7	292.3	314.7	336.1
75°	161.0	185.0	218.4	252.2	285.0	316.8	348.7	386.7	423.0	457.8	490.8
72.5°	217.6	259.0	299.5	338.9	386.9	434.6	480.6	525.0	573.0	622.7	670.0
70°	286.3	333.6	390.2	448.0	504.2	562.3	626.8	688.9	748.5	809.1	874.1
67.5°	357.3	425.5	492.1	560.3	637.7	712.8	785.4	868.9	949.5	1026.6	1102.8
65°	443.2	518.8	603.8	692.1	778.0	876.3	973.1	1066.5	1166.8	1264.7	1358.0
62.5°	527.7	625.7	725.0	828.9	942.1	1052.2	1169.8	1287.0	1399.7	1520.8	1638.0
60°	625.7	736.0	855.3	982.0	1109.0	1245.7	1378.3	1519.3	1659.6	1794.7	1944.5
57.5°	725.0	855.3	995.3	1139.5	1291.7	1443.5	1607.0	1765.2	1938.6	2109.3	2279.0
55°	828.9	982.0	1139.5	1307.0	1478.7	1660.0	1843.8	2042.7	2235.3	2448.9	2653.4
52.5°	942.1	1109.0	1291.7	1478.7	1677.8	1885.5	2105.8	2333.1	2571.9	2811.0	3064.8
50°	1052.2	1245.7	1443.5	1660.0	1885.5	2126.9	2382.4	2646.4	2926.3	3210.1	3516.0
47.5°	1169.8	1378.3	1607.0	1843.8	2105.8	2382.4	2671.4	2984.4	3298.2	3660.2	4014.5
45°	1287.0	1519.3	1765.2	2042.7	2333.1	2646.4	2984.4	3327.7	3732.8	4136.9	4568.2
42.5°	1399.7	1659.6	1938.6	2235.3	2571.9	2926.3	3298.2	3732.8	4179.1	4654.0	5166.1
40°	1520.8	1794.7	2109.3	2448.9	2811.0	3210.1	3660.2	4136.9	4654.0	5218.8	5805.2
37.5°	1638.0	1944.5	2279.0	2653.4	3064.8	3516.0	4014.5	4568.2	5166.1	5805.2	6509.5
35°	1749.4	2087.0	2458.6	2864.4	3307.0	3832.6	4398.2	5008.7	5697.8	6446.7	7234.7
32.5°	1865.0	2221.6	2628.5	3076.9	3581.9	4146.8	4767.1	5484.9	6259.4	7084.5	8005.0
30°	1979.9	2366.2	2795.5	3277.0	3845.3	4471.3	5170.4	5951.1	6811.6	7775.1	8808.5
27.5°	2087.0	2502.5	2967.2	3493.5	4099.2	4775.6	5565.9	6437.0	7397.4	8451.3	9606.2
25°	2185.9	2628.5	3126.2	3704.2	4360.5	5100.8	5948.5	6890.3	7968.3	9151.7	10451.4
22.5°	2283.3	2744.3	3271.9	3897.5	4600.6	5414.7	6336.6	7369.9	8529.5	9806.6	11262.9
20°	2377.7	2864.4	3420.2	4077.3	4818.5	5700.0	6689.8	7817.4	9082.0	10498.9	12060.5
17.5°	2461.8	2971.3	3563.0	4255.8	5046.1	5972.8	7015.4	8219.3	9579.1	11123.5	12806.4
15°	2535.2	3064.8	3688.0	4412.1	5252.0	6229.0	7341.6	8617.0	10057.9	11692.6	13470.2
12.5°	2597.8	3144.5	3794.6	4545.6	5427.9	6448.2	7621.1	8964.3	10496.3	12218.7	14114.3
10°	2649.2	3210.1	3882.5	4655.7	5573.1	6629.2	7852.2	9251.9	10859.8	12655.9	14650.6
7.5°	2689.5	3261.4	3951.2	4741.8	5686.8	6771.1	8033.5	9477.8	11145.8	13000.2	15073.8
5°	2718.3	3298.2	4000.5	4803.6	5768.4	6873.1	8163.9	9640.3	11351.8	13248.6	15379.5
2.5°	2735.6	3320.3	4030.1	4840.8	5817.6	6934.5	8242.5	9738.3	11476.0	13398.6	15564.4
0°	2741.4	3327.7	4040.0	4853.2	5834.0	6955.0	8268.7	9771.1	11517.6	13448.8	15626.2
-2.5°	2735.6	3320.3	4030.1	4840.8	5817.6	6934.5	8242.5	9738.3	11476.0	13398.6	15564.4
-5°	2718.3	3298.2	4000.5	4803.6	5768.4	6873.1	8163.9	9640.3	11351.8	13248.6	15379.5
-7.5°	2689.5	3261.4	3951.2	4741.8	5686.8	6771.1	8033.5	9477.8	11145.8	13000.2	15073.8
-10°	2649.2	3210.1	3882.5	4655.7	5573.1	6629.2	7852.2	9251.9	10859.8	12655.9	14650.6
-12.5°	2597.8	3144.5	3794.6	4545.6	5427.9	6448.2	7621.1	8964.3	10496.3	12218.7	14114.3
-15°	2535.2	3064.8	3688.0	4412.1	5252.0	6229.0	7341.6	8617.0	10057.9	11692.6	13470.2
-17.5°	2461.8	2971.3	3563.0	4255.8	5046.1	5972.8	7015.4	8219.3	9579.1	11123.5	12806.4
-20°	2377.7	2864.4	3420.2	4077.3	4818.5	5700.0	6689.8	7817.4	9082.0	10498.9	12060.5



REPORT NUMBER: P701396 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-HEG-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2283.3	2744.3	3271.9	3897.5	4600.6	5414.7	6336.6	7369.9	8529.5	9806.6	11262.9
-25°	2185.9	2628.5	3126.2	3704.2	4360.5	5100.8	5948.5	6890.3	7968.3	9151.7	10451.4
-27.5°	2087.0	2502.5	2967.2	3493.5	4099.2	4775.6	5565.9	6437.0	7397.4	8451.3	9606.2
-30°	1979.9	2366.2	2795.5	3277.0	3845.3	4471.3	5170.4	5951.1	6811.6	7775.1	8808.5
-32.5°	1865.0	2221.6	2628.5	3076.9	3581.9	4146.8	4767.1	5484.9	6259.4	7084.5	8005.0
-35°	1749.4	2087.0	2458.6	2864.4	3307.0	3832.6	4398.2	5008.7	5697.8	6446.7	7234.7
-37.5°	1638.0	1944.5	2279.0	2653.4	3064.8	3516.0	4014.5	4568.2	5166.1	5805.2	6509.5
-40°	1520.8	1794.7	2109.3	2448.9	2811.0	3210.1	3660.2	4136.9	4654.0	5218.8	5805.2
-42.5°	1399.7	1659.6	1938.6	2235.3	2571.9	2926.3	3298.2	3732.8	4179.1	4654.0	5166.1
-45°	1287.0	1519.3	1765.2	2042.7	2333.1	2646.4	2984.4	3327.7	3732.8	4136.9	4568.2
-47.5°	1169.8	1378.3	1607.0	1843.8	2105.8	2382.4	2671.4	2984.4	3298.2	3660.2	4014.5
-50°	1052.2	1245.7	1443.5	1660.0	1885.5	2126.9	2382.4	2646.4	2926.3	3210.1	3516.0
-52.5°	942.1	1109.0	1291.7	1478.7	1677.8	1885.5	2105.8	2333.1	2571.9	2811.0	3064.8
-55°	828.9	982.0	1139.5	1307.0	1478.7	1660.0	1843.8	2042.7	2235.3	2448.9	2653.4
-57.5°	725.0	855.3	995.3	1139.5	1291.7	1443.5	1607.0	1765.2	1938.6	2109.3	2279.0
-60°	625.7	736.0	855.3	982.0	1109.0	1245.7	1378.3	1519.3	1659.6	1794.7	1944.5
-62.5°	527.7	625.7	725.0	828.9	942.1	1052.2	1169.8	1287.0	1399.7	1520.8	1638.0
-65°	443.2	518.8	603.8	692.1	778.0	876.3	973.1	1066.5	1166.8	1264.7	1358.0
-67.5°	357.3	425.5	492.1	560.3	637.7	712.8	785.4	868.9	949.5	1026.6	1102.8
-70°	286.3	333.6	390.2	448.0	504.2	562.3	626.8	688.9	748.5	809.1	874.1
-72.5°	217.6	259.0	299.5	338.9	386.9	434.6	480.6	525.0	573.0	622.7	670.0
-75°	161.0	185.0	218.4	252.2	285.0	316.8	348.7	386.7	423.0	457.8	490.8
-77.5°	113.6	133.6	153.2	172.2	192.1	218.6	244.2	268.7	292.3	314.7	336.1
-80°	73.5	82.3	97.5	112.8	127.6	141.9	155.7	168.9	181.6	196.7	213.7
-82.5°	47.2	53.8	60.2	66.5	72.5	78.4	85.2	95.1	104.6	113.7	122.3
-85°	23.2	25.2	29.4	33.6	37.7	41.6	45.3	49.0	52.4	55.7	58.9
-87.5°	11.6	12.6	13.5	14.5	15.3	16.2	17.0	17.8	18.6	19.3	20.0
-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: P701396 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-HEG-S

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°	20.6	21.3	21.8	22.4	22.8	23.3	23.7	24.0	24.3	24.6	24.8
85°	61.9	64.7	67.3	69.7	71.9	73.9	75.7	77.4	78.8	80.0	80.9
82.5°	130.5	138.1	145.3	151.9	158.0	163.6	168.6	173.0	176.9	180.2	182.9
80°	229.8	245.0	259.1	272.3	284.3	295.4	305.3	314.1	321.7	328.2	333.6
77.5°	360.1	384.5	407.3	428.5	447.9	465.7	481.7	495.9	508.3	518.8	527.4
75°	522.1	553.4	587.0	618.2	647.0	673.2	696.8	717.7	736.0	751.5	764.2
72.5°	714.7	756.9	798.1	842.0	882.4	919.2	952.5	982.0	1007.7	1029.5	1047.5
70°	935.7	993.6	1047.9	1101.0	1153.9	1202.2	1245.7	1284.4	1318.2	1346.9	1370.4
67.5°	1182.0	1256.7	1326.6	1391.7	1457.0	1519.3	1575.5	1625.4	1669.0	1706.0	1736.5
65°	1451.1	1546.0	1635.0	1717.8	1794.7	1876.1	1949.5	2014.9	2071.9	2120.5	2160.4
62.5°	1749.4	1865.0	1979.9	2087.0	2185.9	2283.3	2377.7	2461.8	2535.2	2597.8	2649.2
60°	2087.0	2221.6	2366.2	2502.5	2628.5	2744.3	2864.4	2971.3	3064.8	3144.5	3210.1
57.5°	2458.6	2628.5	2795.5	2967.2	3126.2	3271.9	3420.2	3563.0	3688.0	3794.6	3882.5
55°	2864.4	3076.9	3277.0	3493.5	3704.2	3897.5	4077.3	4255.8	4412.1	4545.6	4655.7
52.5°	3307.0	3581.9	3845.3	4099.2	4360.5	4600.6	4818.5	5046.1	5252.0	5427.9	5573.1
50°	3832.6	4146.8	4471.3	4775.6	5100.8	5414.7	5700.0	5972.8	6229.0	6448.2	6629.2
47.5°	4398.2	4767.1	5170.4	5565.9	5948.5	6336.6	6689.8	7015.4	7341.6	7621.1	7852.2
45°	5008.7	5484.9	5951.1	6437.0	6890.3	7369.9	7817.4	8219.3	8617.0	8964.3	9251.9
42.5°	5697.8	6259.4	6811.6	7397.4	7968.3	8529.5	9082.0	9579.1	10057.9	10496.3	10859.8
40°	6446.7	7084.5	7775.1	8451.3	9151.7	9806.6	10498.9	11123.5	11692.6	12218.7	12655.9
37.5°	7234.7	8005.0	8808.5	9606.2	10451.4	11262.9	12060.5	12806.4	13470.2	14114.3	14650.6
35°	8082.2	8989.1	9901.5	10890.1	11854.9	12817.5	13737.6	14645.7	15453.4	16207.4	16851.9
32.5°	8989.1	10009.7	11112.3	12232.8	13333.8	14482.3	15558.7	16633.5	17599.2	18481.4	19258.0
30°	9901.5	11112.3	12359.9	13614.4	14938.2	16241.2	17518.0	18754.9	19911.7	20920.4	21765.8
27.5°	10890.1	12232.8	13614.4	15091.8	16591.6	18064.6	19580.3	20972.6	22223.1	23319.9	24317.4
25°	11854.9	13333.8	14938.2	16591.6	18267.0	20000.9	21624.8	23123.8	24571.6	25862.8	27027.6
22.5°	12817.5	14482.3	16241.2	18064.6	20000.9	21845.3	23604.6	25348.1	27005.7	28541.6	29869.8
20°	13737.6	15558.7	17518.0	19580.3	21624.8	23604.6	25611.5	27607.1	29493.4	31218.6	32700.0
17.5°	14645.7	16633.5	18754.9	20972.6	23123.8	25348.1	27607.1	29823.1	31917.9	33774.2	35382.9
15°	15453.4	17599.2	19911.7	22223.1	24571.6	27005.7	29493.4	31917.9	34142.7	36173.7	37977.2
12.5°	16207.4	18481.4	20920.4	23319.9	25862.8	28541.6	31218.6	33774.2	36173.7	38415.2	40223.2
10°	16851.9	19258.0	21765.8	24317.4	27027.6	29869.8	32700.0	35382.9	37977.2	40223.2	42194.7
7.5°	17361.6	19874.0	22438.6	25114.9	27984.6	30957.3	33878.9	36713.9	39381.6	41736.4	43714.6
5°	17730.5	20320.7	22927.9	25696.8	28686.0	31759.1	34754.8	37713.4	40402.2	42828.4	44851.3
2.5°	17953.8	20591.5	23225.1	26051.2	29114.5	32250.9	35295.3	38335.2	41044.9	43479.5	45531.5
0°	18028.6	20682.3	23324.8	26170.2	29258.7	32416.8	35478.1	38546.5	41264.7	43694.4	45765.8
-2.5°	17953.8	20591.5	23225.1	26051.2	29114.5	32250.9	35295.3	38335.2	41044.9	43479.5	45531.5
-5°	17730.5	20320.7	22927.9	25696.8	28686.0	31759.1	34754.8	37713.4	40402.2	42828.4	44851.3
-7.5°	17361.6	19874.0	22438.6	25114.9	27984.6	30957.3	33878.9	36713.9	39381.6	41736.4	43714.6
-10°	16851.9	19258.0	21765.8	24317.4	27027.6	29869.8	32700.0	35382.9	37977.2	40223.2	42194.7
-12.5°	16207.4	18481.4	20920.4	23319.9	25862.8	28541.6	31218.6	33774.2	36173.7	38415.2	40223.2
-15°	15453.4	17599.2	19911.7	22223.1	24571.6	27005.7	29493.4	31917.9	34142.7	36173.7	37977.2
-17.5°	14645.7	16633.5	18754.9	20972.6	23123.8	25348.1	27607.1	29823.1	31917.9	33774.2	35382.9
-20°	13737.6	15558.7	17518.0	19580.3	21624.8	23604.6	25611.5	27607.1	29493.4	31218.6	32700.0



REPORT NUMBER: P701396 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-HEG-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12817.5	14482.3	16241.2	18064.6	20000.9	21845.3	23604.6	25348.1	27005.7	28541.6	29869.8
-25°	11854.9	13333.8	14938.2	16591.6	18267.0	20000.9	21624.8	23123.8	24571.6	25862.8	27027.6
-27.5°	10890.1	12232.8	13614.4	15091.8	16591.6	18064.6	19580.3	20972.6	22223.1	23319.9	24317.4
-30°	9901.5	11112.3	12359.9	13614.4	14938.2	16241.2	17518.0	18754.9	19911.7	20920.4	21765.8
-32.5°	8989.1	10009.7	11112.3	12232.8	13333.8	14482.3	15558.7	16633.5	17599.2	18481.4	19258.0
-35°	8082.2	8989.1	9901.5	10890.1	11854.9	12817.5	13737.6	14645.7	15453.4	16207.4	16851.9
-37.5°	7234.7	8005.0	8808.5	9606.2	10451.4	11262.9	12060.5	12806.4	13470.2	14114.3	14650.6
-40°	6446.7	7084.5	7775.1	8451.3	9151.7	9806.6	10498.9	11123.5	11692.6	12218.7	12655.9
-42.5°	5697.8	6259.4	6811.6	7397.4	7968.3	8529.5	9082.0	9579.1	10057.9	10496.3	10859.8
-45°	5008.7	5484.9	5951.1	6437.0	6890.3	7369.9	7817.4	8219.3	8617.0	8964.3	9251.9
-47.5°	4398.2	4767.1	5170.4	5565.9	5948.5	6336.6	6689.8	7015.4	7341.6	7621.1	7852.2
-50°	3832.6	4146.8	4471.3	4775.6	5100.8	5414.7	5700.0	5972.8	6229.0	6448.2	6629.2
-52.5°	3307.0	3581.9	3845.3	4099.2	4360.5	4600.6	4818.5	5046.1	5252.0	5427.9	5573.1
-55°	2864.4	3076.9	3277.0	3493.5	3704.2	3897.5	4077.3	4255.8	4412.1	4545.6	4655.7
-57.5°	2458.6	2628.5	2795.5	2967.2	3126.2	3271.9	3420.2	3563.0	3688.0	3794.6	3882.5
-60°	2087.0	2221.6	2366.2	2502.5	2628.5	2744.3	2864.4	2971.3	3064.8	3144.5	3210.1
-62.5°	1749.4	1865.0	1979.9	2087.0	2185.9	2283.3	2377.7	2461.8	2535.2	2597.8	2649.2
-65°	1451.1	1546.0	1635.0	1717.8	1794.7	1876.1	1949.5	2014.9	2071.9	2120.5	2160.4
-67.5°	1182.0	1256.7	1326.6	1391.7	1457.0	1519.3	1575.5	1625.4	1669.0	1706.0	1736.5
-70°	935.7	993.6	1047.9	1101.0	1153.9	1202.2	1245.7	1284.4	1318.2	1346.9	1370.4
-72.5°	714.7	756.9	798.1	842.0	882.4	919.2	952.5	982.0	1007.7	1029.5	1047.5
-75°	522.1	553.4	587.0	618.2	647.0	673.2	696.8	717.7	736.0	751.5	764.2
-77.5°	360.1	384.5	407.3	428.5	447.9	465.7	481.7	495.9	508.3	518.8	527.4
-80°	229.8	245.0	259.1	272.3	284.3	295.4	305.3	314.1	321.7	328.2	333.6
-82.5°	130.5	138.1	145.3	151.9	158.0	163.6	168.6	173.0	176.9	180.2	182.9
-85°	61.9	64.7	67.3	69.7	71.9	73.9	75.7	77.4	78.8	80.0	80.9
-87.5°	20.6	21.3	21.8	22.4	22.8	23.3	23.7	24.0	24.3	24.6	24.8
-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: P701396 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-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°	25.0	25.1	25.2	25.2	25.2	25.1	25.0	24.8	24.6	24.3	24.0
85°	81.7	82.3	82.6	82.7	82.6	82.3	81.7	80.9	80.0	78.8	77.4
82.5°	185.0	186.5	187.4	187.7	187.4	186.5	185.0	182.9	180.2	176.9	173.0
80°	337.7	340.7	342.5	343.1	342.5	340.7	337.7	333.6	328.2	321.7	314.1
77.5°	534.1	538.9	541.8	542.8	541.8	538.9	534.1	527.4	518.8	508.3	495.9
75°	774.2	781.3	785.6	787.0	785.6	781.3	774.2	764.2	751.5	736.0	717.7
72.5°	1061.5	1071.6	1077.6	1079.6	1077.6	1071.6	1061.5	1047.5	1029.5	1007.7	982.0
70°	1388.8	1402.0	1410.0	1412.6	1410.0	1402.0	1388.8	1370.4	1346.9	1318.2	1284.4
67.5°	1760.3	1777.3	1787.6	1791.0	1787.6	1777.3	1760.3	1736.5	1706.0	1669.0	1625.4
65°	2191.6	2214.0	2227.4	2231.9	2227.4	2214.0	2191.6	2160.4	2120.5	2071.9	2014.9
62.5°	2689.5	2718.3	2735.6	2741.4	2735.6	2718.3	2689.5	2649.2	2597.8	2535.2	2461.8
60°	3261.4	3298.2	3320.3	3327.7	3320.3	3298.2	3261.4	3210.1	3144.5	3064.8	2971.3
57.5°	3951.2	4000.5	4030.1	4040.0	4030.1	4000.5	3951.2	3882.5	3794.6	3688.0	3563.0
55°	4741.8	4803.6	4840.8	4853.2	4840.8	4803.6	4741.8	4655.7	4545.6	4412.1	4255.8
52.5°	5686.8	5768.4	5817.6	5834.0	5817.6	5768.4	5686.8	5573.1	5427.9	5252.0	5046.1
50°	6771.1	6873.1	6934.5	6955.0	6934.5	6873.1	6771.1	6629.2	6448.2	6229.0	5972.8
47.5°	8033.5	8163.9	8242.5	8268.7	8242.5	8163.9	8033.5	7852.2	7621.1	7341.6	7015.4
45°	9477.8	9640.3	9738.3	9771.1	9738.3	9640.3	9477.8	9251.9	8964.3	8617.0	8219.3
42.5°	11145.8	11351.8	11476.0	11517.6	11476.0	11351.8	11145.8	10859.8	10496.3	10057.9	9579.1
40°	13000.2	13248.6	13398.6	13448.8	13398.6	13248.6	13000.2	12655.9	12218.7	11692.6	11123.5
37.5°	15073.8	15379.5	15564.4	15626.2	15564.4	15379.5	15073.8	14650.6	14114.3	13470.2	12806.4
35°	17361.6	17730.5	17953.8	18028.6	17953.8	17730.5	17361.6	16851.9	16207.4	15453.4	14645.7
32.5°	19874.0	20320.7	20591.5	20682.3	20591.5	20320.7	19874.0	19258.0	18481.4	17599.2	16633.5
30°	22438.6	22927.9	23225.1	23324.8	23225.1	22927.9	22438.6	21765.8	20920.4	19911.7	18754.9
27.5°	25114.9	25696.8	26051.2	26170.2	26051.2	25696.8	25114.9	24317.4	23319.9	22223.1	20972.6
25°	27984.6	28686.0	29114.5	29258.7	29114.5	28686.0	27984.6	27027.6	25862.8	24571.6	23123.8
22.5°	30957.3	31759.1	32250.9	32416.8	32250.9	31759.1	30957.3	29869.8	28541.6	27005.7	25348.1
20°	33878.9	34754.8	35295.3	35478.1	35295.3	34754.8	33878.9	32700.0	31218.6	29493.4	27607.1
17.5°	36713.9	37713.4	38335.2	38546.5	38335.2	37713.4	36713.9	35382.9	33774.2	31917.9	29823.1
15°	39381.6	40402.2	41044.9	41264.7	41044.9	40402.2	39381.6	37977.2	36173.7	34142.7	31917.9
12.5°	41736.4	42828.4	43479.5	43694.4	43479.5	42828.4	41736.4	40223.2	38415.2	36173.7	33774.2
10°	43714.6	44851.3	45531.5	45765.8	45531.5	44851.3	43714.6	42194.7	40223.2	37977.2	35382.9
7.5°	45311.1	46468.9	47188.4	47420.1	47188.4	46468.9	45311.1	43714.6	41736.4	39381.6	36713.9
5°	46468.9	47668.9	48365.5	48623.3	48365.5	47668.9	46468.9	44851.3	42828.4	40402.2	37713.4
2.5°	47188.4	48365.5	49090.9	49337.2	49090.9	48365.5	47188.4	45531.5	43479.5	41044.9	38335.2
0°	47420.1	48623.3	49337.2	49613.1	49337.2	48623.3	47420.1	45765.8	43694.4	41264.7	38546.5
-2.5°	47188.4	48365.5	49090.9	49337.2	49090.9	48365.5	47188.4	45531.5	43479.5	41044.9	38335.2
-5°	46468.9	47668.9	48365.5	48623.3	48365.5	47668.9	46468.9	44851.3	42828.4	40402.2	37713.4
-7.5°	45311.1	46468.9	47188.4	47420.1	47188.4	46468.9	45311.1	43714.6	41736.4	39381.6	36713.9
-10°	43714.6	44851.3	45531.5	45765.8	45531.5	44851.3	43714.6	42194.7	40223.2	37977.2	35382.9
-12.5°	41736.4	42828.4	43479.5	43694.4	43479.5	42828.4	41736.4	40223.2	38415.2	36173.7	33774.2
-15°	39381.6	40402.2	41044.9	41264.7	41044.9	40402.2	39381.6	37977.2	36173.7	34142.7	31917.9
-17.5°	36713.9	37713.4	38335.2	38546.5	38335.2	37713.4	36713.9	35382.9	33774.2	31917.9	29823.1
-20°	33878.9	34754.8	35295.3	35478.1	35295.3	34754.8	33878.9	32700.0	31218.6	29493.4	27607.1



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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°	30957.3	31759.1	32250.9	32416.8	32250.9	31759.1	30957.3	29869.8	28541.6	27005.7	25348.1
-25°	27984.6	28686.0	29114.5	29258.7	29114.5	28686.0	27984.6	27027.6	25862.8	24571.6	23123.8
-27.5°	25114.9	25696.8	26051.2	26170.2	26051.2	25696.8	25114.9	24317.4	23319.9	22223.1	20972.6
-30°	22438.6	22927.9	23225.1	23324.8	23225.1	22927.9	22438.6	21765.8	20920.4	19911.7	18754.9
-32.5°	19874.0	20320.7	20591.5	20682.3	20591.5	20320.7	19874.0	19258.0	18481.4	17599.2	16633.5
-35°	17361.6	17730.5	17953.8	18028.6	17953.8	17730.5	17361.6	16851.9	16207.4	15453.4	14645.7
-37.5°	15073.8	15379.5	15564.4	15626.2	15564.4	15379.5	15073.8	14650.6	14114.3	13470.2	12806.4
-40°	13000.2	13248.6	13398.6	13448.8	13398.6	13248.6	13000.2	12655.9	12218.7	11692.6	11123.5
-42.5°	11145.8	11351.8	11476.0	11517.6	11476.0	11351.8	11145.8	10859.8	10496.3	10057.9	9579.1
-45°	9477.8	9640.3	9738.3	9771.1	9738.3	9640.3	9477.8	9251.9	8964.3	8617.0	8219.3
-47.5°	8033.5	8163.9	8242.5	8268.7	8242.5	8163.9	8033.5	7852.2	7621.1	7341.6	7015.4
-50°	6771.1	6873.1	6934.5	6955.0	6934.5	6873.1	6771.1	6629.2	6448.2	6229.0	5972.8
-52.5°	5686.8	5768.4	5817.6	5834.0	5817.6	5768.4	5686.8	5573.1	5427.9	5252.0	5046.1
-55°	4741.8	4803.6	4840.8	4853.2	4840.8	4803.6	4741.8	4655.7	4545.6	4412.1	4255.8
-57.5°	3951.2	4000.5	4030.1	4040.0	4030.1	4000.5	3951.2	3882.5	3794.6	3688.0	3563.0
-60°	3261.4	3298.2	3320.3	3327.7	3320.3	3298.2	3261.4	3210.1	3144.5	3064.8	2971.3
-62.5°	2689.5	2718.3	2735.6	2741.4	2735.6	2718.3	2689.5	2649.2	2597.8	2535.2	2461.8
-65°	2191.6	2214.0	2227.4	2231.9	2227.4	2214.0	2191.6	2160.4	2120.5	2071.9	2014.9
-67.5°	1760.3	1777.3	1787.6	1791.0	1787.6	1777.3	1760.3	1736.5	1706.0	1669.0	1625.4
-70°	1388.8	1402.0	1410.0	1412.6	1410.0	1402.0	1388.8	1370.4	1346.9	1318.2	1284.4
-72.5°	1061.5	1071.6	1077.6	1079.6	1077.6	1071.6	1061.5	1047.5	1029.5	1007.7	982.0
-75°	774.2	781.3	785.6	787.0	785.6	781.3	774.2	764.2	751.5	736.0	717.7
-77.5°	534.1	538.9	541.8	542.8	541.8	538.9	534.1	527.4	518.8	508.3	495.9
-80°	337.7	340.7	342.5	343.1	342.5	340.7	337.7	333.6	328.2	321.7	314.1
-82.5°	185.0	186.5	187.4	187.7	187.4	186.5	185.0	182.9	180.2	176.9	173.0
-85°	81.7	82.3	82.6	82.7	82.6	82.3	81.7	80.9	80.0	78.8	77.4
-87.5°	25.0	25.1	25.2	25.2	25.2	25.1	25.0	24.8	24.6	24.3	24.0
-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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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°	23.7	23.3	22.8	22.4	21.8	21.3	20.6	20.0	19.3	18.6	17.8
85°	75.7	73.9	71.9	69.7	67.3	64.7	61.9	58.9	55.7	52.4	49.0
82.5°	168.6	163.6	158.0	151.9	145.3	138.1	130.5	122.3	113.7	104.6	95.1
80°	305.3	295.4	284.3	272.3	259.1	245.0	229.8	213.7	196.7	181.6	168.9
77.5°	481.7	465.7	447.9	428.5	407.3	384.5	360.1	336.1	314.7	292.3	268.7
75°	696.8	673.2	647.0	618.2	587.0	553.4	522.1	490.8	457.8	423.0	386.7
72.5°	952.5	919.2	882.4	842.0	798.1	756.9	714.7	670.0	622.7	573.0	525.0
70°	1245.7	1202.2	1153.9	1101.0	1047.9	993.6	935.7	874.1	809.1	748.5	688.9
67.5°	1575.5	1519.3	1457.0	1391.7	1326.6	1256.7	1182.0	1102.8	1026.6	949.5	868.9
65°	1949.5	1876.1	1794.7	1717.8	1635.0	1546.0	1451.1	1358.0	1264.7	1166.8	1066.5
62.5°	2377.7	2283.3	2185.9	2087.0	1979.9	1865.0	1749.4	1638.0	1520.8	1399.7	1287.0
60°	2864.4	2744.3	2628.5	2502.5	2366.2	2221.6	2087.0	1944.5	1794.7	1659.6	1519.3
57.5°	3420.2	3271.9	3126.2	2967.2	2795.5	2628.5	2458.6	2279.0	2109.3	1938.6	1765.2
55°	4077.3	3897.5	3704.2	3493.5	3277.0	3076.9	2864.4	2653.4	2448.9	2235.3	2042.7
52.5°	4818.5	4600.6	4360.5	4099.2	3845.3	3581.9	3307.0	3064.8	2811.0	2571.9	2333.1
50°	5700.0	5414.7	5100.8	4775.6	4471.3	4146.8	3832.6	3516.0	3210.1	2926.3	2646.4
47.5°	6689.8	6336.6	5948.5	5565.9	5170.4	4767.1	4398.2	4014.5	3660.2	3298.2	2984.4
45°	7817.4	7369.9	6890.3	6437.0	5951.1	5484.9	5008.7	4568.2	4136.9	3732.8	3327.7
42.5°	9082.0	8529.5	7968.3	7397.4	6811.6	6259.4	5697.8	5166.1	4654.0	4179.1	3732.8
40°	10498.9	9806.6	9151.7	8451.3	7775.1	7084.5	6446.7	5805.2	5218.8	4654.0	4136.9
37.5°	12060.5	11262.9	10451.4	9606.2	8808.5	8005.0	7234.7	6509.5	5805.2	5166.1	4568.2
35°	13737.6	12817.5	11854.9	10890.1	9901.5	8989.1	8082.2	7234.7	6446.7	5697.8	5008.7
32.5°	15558.7	14482.3	13333.8	12232.8	11112.3	10009.7	8989.1	8005.0	7084.5	6259.4	5484.9
30°	17518.0	16241.2	14938.2	13614.4	12359.9	11112.3	9901.5	8808.5	7775.1	6811.6	5951.1
27.5°	19580.3	18064.6	16591.6	15091.8	13614.4	12232.8	10890.1	9606.2	8451.3	7397.4	6437.0
25°	21624.8	20000.9	18267.0	16591.6	14938.2	13333.8	11854.9	10451.4	9151.7	7968.3	6890.3
22.5°	23604.6	21845.3	20000.9	18064.6	16241.2	14482.3	12817.5	11262.9	9806.6	8529.5	7369.9
20°	25611.5	23604.6	21624.8	19580.3	17518.0	15558.7	13737.6	12060.5	10498.9	9082.0	7817.4
17.5°	27607.1	25348.1	23123.8	20972.6	18754.9	16633.5	14645.7	12806.4	11123.5	9579.1	8219.3
15°	29493.4	27005.7	24571.6	22223.1	19911.7	17599.2	15453.4	13470.2	11692.6	10057.9	8617.0
12.5°	31218.6	28541.6	25862.8	23319.9	20920.4	18481.4	16207.4	14114.3	12218.7	10496.3	8964.3
10°	32700.0	29869.8	27027.6	24317.4	21765.8	19258.0	16851.9	14650.6	12655.9	10859.8	9251.9
7.5°	33878.9	30957.3	27984.6	25114.9	22438.6	19874.0	17361.6	15073.8	13000.2	11145.8	9477.8
5°	34754.8	31759.1	28686.0	25696.8	22927.9	20320.7	17730.5	15379.5	13248.6	11351.8	9640.3
2.5°	35295.3	32250.9	29114.5	26051.2	23225.1	20591.5	17953.8	15564.4	13398.6	11476.0	9738.3
0°	35478.1	32416.8	29258.7	26170.2	23324.8	20682.3	18028.6	15626.2	13448.8	11517.6	9771.1
-2.5°	35295.3	32250.9	29114.5	26051.2	23225.1	20591.5	17953.8	15564.4	13398.6	11476.0	9738.3
-5°	34754.8	31759.1	28686.0	25696.8	22927.9	20320.7	17730.5	15379.5	13248.6	11351.8	9640.3
-7.5°	33878.9	30957.3	27984.6	25114.9	22438.6	19874.0	17361.6	15073.8	13000.2	11145.8	9477.8
-10°	32700.0	29869.8	27027.6	24317.4	21765.8	19258.0	16851.9	14650.6	12655.9	10859.8	9251.9
-12.5°	31218.6	28541.6	25862.8	23319.9	20920.4	18481.4	16207.4	14114.3	12218.7	10496.3	8964.3
-15°	29493.4	27005.7	24571.6	22223.1	19911.7	17599.2	15453.4	13470.2	11692.6	10057.9	8617.0
-17.5°	27607.1	25348.1	23123.8	20972.6	18754.9	16633.5	14645.7	12806.4	11123.5	9579.1	8219.3
-20°	25611.5	23604.6	21624.8	19580.3	17518.0	15558.7	13737.6	12060.5	10498.9	9082.0	7817.4



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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°	23604.6	21845.3	20000.9	18064.6	16241.2	14482.3	12817.5	11262.9	9806.6	8529.5	7369.9
-25°	21624.8	20000.9	18267.0	16591.6	14938.2	13333.8	11854.9	10451.4	9151.7	7968.3	6890.3
-27.5°	19580.3	18064.6	16591.6	15091.8	13614.4	12232.8	10890.1	9606.2	8451.3	7397.4	6437.0
-30°	17518.0	16241.2	14938.2	13614.4	12359.9	11112.3	9901.5	8808.5	7775.1	6811.6	5951.1
-32.5°	15558.7	14482.3	13333.8	12232.8	11112.3	10009.7	8989.1	8005.0	7084.5	6259.4	5484.9
-35°	13737.6	12817.5	11854.9	10890.1	9901.5	8989.1	8082.2	7234.7	6446.7	5697.8	5008.7
-37.5°	12060.5	11262.9	10451.4	9606.2	8808.5	8005.0	7234.7	6509.5	5805.2	5166.1	4568.2
-40°	10498.9	9806.6	9151.7	8451.3	7775.1	7084.5	6446.7	5805.2	5218.8	4654.0	4136.9
-42.5°	9082.0	8529.5	7968.3	7397.4	6811.6	6259.4	5697.8	5166.1	4654.0	4179.1	3732.8
-45°	7817.4	7369.9	6890.3	6437.0	5951.1	5484.9	5008.7	4568.2	4136.9	3732.8	3327.7
-47.5°	6689.8	6336.6	5948.5	5565.9	5170.4	4767.1	4398.2	4014.5	3660.2	3298.2	2984.4
-50°	5700.0	5414.7	5100.8	4775.6	4471.3	4146.8	3832.6	3516.0	3210.1	2926.3	2646.4
-52.5°	4818.5	4600.6	4360.5	4099.2	3845.3	3581.9	3307.0	3064.8	2811.0	2571.9	2333.1
-55°	4077.3	3897.5	3704.2	3493.5	3277.0	3076.9	2864.4	2653.4	2448.9	2235.3	2042.7
-57.5°	3420.2	3271.9	3126.2	2967.2	2795.5	2628.5	2458.6	2279.0	2109.3	1938.6	1765.2
-60°	2864.4	2744.3	2628.5	2502.5	2366.2	2221.6	2087.0	1944.5	1794.7	1659.6	1519.3
-62.5°	2377.7	2283.3	2185.9	2087.0	1979.9	1865.0	1749.4	1638.0	1520.8	1399.7	1287.0
-65°	1949.5	1876.1	1794.7	1717.8	1635.0	1546.0	1451.1	1358.0	1264.7	1166.8	1066.5
-67.5°	1575.5	1519.3	1457.0	1391.7	1326.6	1256.7	1182.0	1102.8	1026.6	949.5	868.9
-70°	1245.7	1202.2	1153.9	1101.0	1047.9	993.6	935.7	874.1	809.1	748.5	688.9
-72.5°	952.5	919.2	882.4	842.0	798.1	756.9	714.7	670.0	622.7	573.0	525.0
-75°	696.8	673.2	647.0	618.2	587.0	553.4	522.1	490.8	457.8	423.0	386.7
-77.5°	481.7	465.7	447.9	428.5	407.3	384.5	360.1	336.1	314.7	292.3	268.7
-80°	305.3	295.4	284.3	272.3	259.1	245.0	229.8	213.7	196.7	181.6	168.9
-82.5°	168.6	163.6	158.0	151.9	145.3	138.1	130.5	122.3	113.7	104.6	95.1
-85°	75.7	73.9	71.9	69.7	67.3	64.7	61.9	58.9	55.7	52.4	49.0
-87.5°	23.7	23.3	22.8	22.4	21.8	21.3	20.6	20.0	19.3	18.6	17.8
-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-08-0320L-40-70-7F-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°	17.0	16.2	15.3	14.5	13.5	12.6	11.6	10.6	9.6	8.6	7.6
85°	45.3	41.6	37.7	33.6	29.4	25.2	23.2	21.3	19.3	17.2	15.1
82.5°	85.2	78.4	72.5	66.5	60.2	53.8	47.2	40.4	33.6	26.5	22.7
80°	155.7	141.9	127.6	112.8	97.5	82.3	73.5	64.5	55.3	46.0	36.5
77.5°	244.2	218.6	192.1	172.2	153.2	133.6	113.6	93.1	77.0	65.3	53.5
75°	348.7	316.8	285.0	252.2	218.4	185.0	161.0	136.4	111.4	86.0	70.4
72.5°	480.6	434.6	386.9	338.9	299.5	259.0	217.6	179.3	150.2	120.6	90.6
70°	626.8	562.3	504.2	448.0	390.2	333.6	286.3	238.1	189.0	154.8	120.6
67.5°	785.4	712.8	637.7	560.3	492.1	425.5	357.3	300.0	245.0	189.0	150.2
65°	973.1	876.3	778.0	692.1	603.8	518.8	443.2	366.2	300.0	238.1	179.3
62.5°	1169.8	1052.2	942.1	828.9	725.0	625.7	527.7	443.2	357.3	286.3	217.6
60°	1378.3	1245.7	1109.0	982.0	855.3	736.0	625.7	518.8	425.5	333.6	259.0
57.5°	1607.0	1443.5	1291.7	1139.5	995.3	855.3	725.0	603.8	492.1	390.2	299.5
55°	1843.8	1660.0	1478.7	1307.0	1139.5	982.0	828.9	692.1	560.3	448.0	338.9
52.5°	2105.8	1885.5	1677.8	1478.7	1291.7	1109.0	942.1	778.0	637.7	504.2	386.9
50°	2382.4	2126.9	1885.5	1660.0	1443.5	1245.7	1052.2	876.3	712.8	562.3	434.6
47.5°	2671.4	2382.4	2105.8	1843.8	1607.0	1378.3	1169.8	973.1	785.4	626.8	480.6
45°	2984.4	2646.4	2333.1	2042.7	1765.2	1519.3	1287.0	1066.5	868.9	688.9	525.0
42.5°	3298.2	2926.3	2571.9	2235.3	1938.6	1659.6	1399.7	1166.8	949.5	748.5	573.0
40°	3660.2	3210.1	2811.0	2448.9	2109.3	1794.7	1520.8	1264.7	1026.6	809.1	622.7
37.5°	4014.5	3516.0	3064.8	2653.4	2279.0	1944.5	1638.0	1358.0	1102.8	874.1	670.0
35°	4398.2	3832.6	3307.0	2864.4	2458.6	2087.0	1749.4	1451.1	1182.0	935.7	714.7
32.5°	4767.1	4146.8	3581.9	3076.9	2628.5	2221.6	1865.0	1546.0	1256.7	993.6	756.9
30°	5170.4	4471.3	3845.3	3277.0	2795.5	2366.2	1979.9	1635.0	1326.6	1047.9	798.1
27.5°	5565.9	4775.6	4099.2	3493.5	2967.2	2502.5	2087.0	1717.8	1391.7	1101.0	842.0
25°	5948.5	5100.8	4360.5	3704.2	3126.2	2628.5	2185.9	1794.7	1457.0	1153.9	882.4
22.5°	6336.6	5414.7	4600.6	3897.5	3271.9	2744.3	2283.3	1876.1	1519.3	1202.2	919.2
20°	6689.8	5700.0	4818.5	4077.3	3420.2	2864.4	2377.7	1949.5	1575.5	1245.7	952.5
17.5°	7015.4	5972.8	5046.1	4255.8	3563.0	2971.3	2461.8	2014.9	1625.4	1284.4	982.0
15°	7341.6	6229.0	5252.0	4412.1	3688.0	3064.8	2535.2	2071.9	1669.0	1318.2	1007.7
12.5°	7621.1	6448.2	5427.9	4545.6	3794.6	3144.5	2597.8	2120.5	1706.0	1346.9	1029.5
10°	7852.2	6629.2	5573.1	4655.7	3882.5	3210.1	2649.2	2160.4	1736.5	1370.4	1047.5
7.5°	8033.5	6771.1	5686.8	4741.8	3951.2	3261.4	2689.5	2191.6	1760.3	1388.8	1061.5
5°	8163.9	6873.1	5768.4	4803.6	4000.5	3298.2	2718.3	2214.0	1777.3	1402.0	1071.6
2.5°	8242.5	6934.5	5817.6	4840.8	4030.1	3320.3	2735.6	2227.4	1787.6	1410.0	1077.6
0°	8268.7	6955.0	5834.0	4853.2	4040.0	3327.7	2741.4	2231.9	1791.0	1412.6	1079.6
-2.5°	8242.5	6934.5	5817.6	4840.8	4030.1	3320.3	2735.6	2227.4	1787.6	1410.0	1077.6
-5°	8163.9	6873.1	5768.4	4803.6	4000.5	3298.2	2718.3	2214.0	1777.3	1402.0	1071.6
-7.5°	8033.5	6771.1	5686.8	4741.8	3951.2	3261.4	2689.5	2191.6	1760.3	1388.8	1061.5
-10°	7852.2	6629.2	5573.1	4655.7	3882.5	3210.1	2649.2	2160.4	1736.5	1370.4	1047.5
-12.5°	7621.1	6448.2	5427.9	4545.6	3794.6	3144.5	2597.8	2120.5	1706.0	1346.9	1029.5
-15°	7341.6	6229.0	5252.0	4412.1	3688.0	3064.8	2535.2	2071.9	1669.0	1318.2	1007.7
-17.5°	7015.4	5972.8	5046.1	4255.8	3563.0	2971.3	2461.8	2014.9	1625.4	1284.4	982.0
-20°	6689.8	5700.0	4818.5	4077.3	3420.2	2864.4	2377.7	1949.5	1575.5	1245.7	952.5



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 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-HEG-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6336.6	5414.7	4600.6	3897.5	3271.9	2744.3	2283.3	1876.1	1519.3	1202.2	919.2
-25°	5948.5	5100.8	4360.5	3704.2	3126.2	2628.5	2185.9	1794.7	1457.0	1153.9	882.4
-27.5°	5565.9	4775.6	4099.2	3493.5	2967.2	2502.5	2087.0	1717.8	1391.7	1101.0	842.0
-30°	5170.4	4471.3	3845.3	3277.0	2795.5	2366.2	1979.9	1635.0	1326.6	1047.9	798.1
-32.5°	4767.1	4146.8	3581.9	3076.9	2628.5	2221.6	1865.0	1546.0	1256.7	993.6	756.9
-35°	4398.2	3832.6	3307.0	2864.4	2458.6	2087.0	1749.4	1451.1	1182.0	935.7	714.7
-37.5°	4014.5	3516.0	3064.8	2653.4	2279.0	1944.5	1638.0	1358.0	1102.8	874.1	670.0
-40°	3660.2	3210.1	2811.0	2448.9	2109.3	1794.7	1520.8	1264.7	1026.6	809.1	622.7
-42.5°	3298.2	2926.3	2571.9	2235.3	1938.6	1659.6	1399.7	1166.8	949.5	748.5	573.0
-45°	2984.4	2646.4	2333.1	2042.7	1765.2	1519.3	1287.0	1066.5	868.9	688.9	525.0
-47.5°	2671.4	2382.4	2105.8	1843.8	1607.0	1378.3	1169.8	973.1	785.4	626.8	480.6
-50°	2382.4	2126.9	1885.5	1660.0	1443.5	1245.7	1052.2	876.3	712.8	562.3	434.6
-52.5°	2105.8	1885.5	1677.8	1478.7	1291.7	1109.0	942.1	778.0	637.7	504.2	386.9
-55°	1843.8	1660.0	1478.7	1307.0	1139.5	982.0	828.9	692.1	560.3	448.0	338.9
-57.5°	1607.0	1443.5	1291.7	1139.5	995.3	855.3	725.0	603.8	492.1	390.2	299.5
-60°	1378.3	1245.7	1109.0	982.0	855.3	736.0	625.7	518.8	425.5	333.6	259.0
-62.5°	1169.8	1052.2	942.1	828.9	725.0	625.7	527.7	443.2	357.3	286.3	217.6
-65°	973.1	876.3	778.0	692.1	603.8	518.8	443.2	366.2	300.0	238.1	179.3
-67.5°	785.4	712.8	637.7	560.3	492.1	425.5	357.3	300.0	245.0	189.0	150.2
-70°	626.8	562.3	504.2	448.0	390.2	333.6	286.3	238.1	189.0	154.8	120.6
-72.5°	480.6	434.6	386.9	338.9	299.5	259.0	217.6	179.3	150.2	120.6	90.6
-75°	348.7	316.8	285.0	252.2	218.4	185.0	161.0	136.4	111.4	86.0	70.4
-77.5°	244.2	218.6	192.1	172.2	153.2	133.6	113.6	93.1	77.0	65.3	53.5
-80°	155.7	141.9	127.6	112.8	97.5	82.3	73.5	64.5	55.3	46.0	36.5
-82.5°	85.2	78.4	72.5	66.5	60.2	53.8	47.2	40.4	33.6	26.5	22.7
-85°	45.3	41.6	37.7	33.6	29.4	25.2	23.2	21.3	19.3	17.2	15.1
-87.5°	17.0	16.2	15.3	14.5	13.5	12.6	11.6	10.6	9.6	8.6	7.6
-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: P701396 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	6.5	5.5	4.4	3.3	2.2	1.1	0.0
85°	13.0	10.9	8.7	6.6	4.4	2.2	0.0
82.5°	19.5	16.3	13.1	9.8	6.6	3.3	0.0
80°	26.9	21.7	17.4	13.1	8.7	4.4	0.0
77.5°	41.6	29.5	21.7	16.3	10.9	5.5	0.0
75°	56.0	41.6	26.9	19.5	13.0	6.5	0.0
72.5°	70.4	53.5	36.5	22.7	15.1	7.6	0.0
70°	86.0	65.3	46.0	26.5	17.2	8.6	0.0
67.5°	111.4	77.0	55.3	33.6	19.3	9.6	0.0
65°	136.4	93.1	64.5	40.4	21.3	10.6	0.0
62.5°	161.0	113.6	73.5	47.2	23.2	11.6	0.0
60°	185.0	133.6	82.3	53.8	25.2	12.6	0.0
57.5°	218.4	153.2	97.5	60.2	29.4	13.5	0.0
55°	252.2	172.2	112.8	66.5	33.6	14.5	0.0
52.5°	285.0	192.1	127.6	72.5	37.7	15.3	0.0
50°	316.8	218.6	141.9	78.4	41.6	16.2	0.0
47.5°	348.7	244.2	155.7	85.2	45.3	17.0	0.0
45°	386.7	268.7	168.9	95.1	49.0	17.8	0.0
42.5°	423.0	292.3	181.6	104.6	52.4	18.6	0.0
40°	457.8	314.7	196.7	113.7	55.7	19.3	0.0
37.5°	490.8	336.1	213.7	122.3	58.9	20.0	0.0
35°	522.1	360.1	229.8	130.5	61.9	20.6	0.0
32.5°	553.4	384.5	245.0	138.1	64.7	21.3	0.0
30°	587.0	407.3	259.1	145.3	67.3	21.8	0.0
27.5°	618.2	428.5	272.3	151.9	69.7	22.4	0.0
25°	647.0	447.9	284.3	158.0	71.9	22.8	0.0
22.5°	673.2	465.7	295.4	163.6	73.9	23.3	0.0
20°	696.8	481.7	305.3	168.6	75.7	23.7	0.0
17.5°	717.7	495.9	314.1	173.0	77.4	24.0	0.0
15°	736.0	508.3	321.7	176.9	78.8	24.3	0.0
12.5°	751.5	518.8	328.2	180.2	80.0	24.6	0.0
10°	764.2	527.4	333.6	182.9	80.9	24.8	0.0
7.5°	774.2	534.1	337.7	185.0	81.7	25.0	0.0
5°	781.3	538.9	340.7	186.5	82.3	25.1	0.0
2.5°	785.6	541.8	342.5	187.4	82.6	25.2	0.0
0°	787.0	542.8	343.1	187.7	82.7	25.2	0.0
-2.5°	785.6	541.8	342.5	187.4	82.6	25.2	0.0
-5°	781.3	538.9	340.7	186.5	82.3	25.1	0.0
-7.5°	774.2	534.1	337.7	185.0	81.7	25.0	0.0
-10°	764.2	527.4	333.6	182.9	80.9	24.8	0.0
-12.5°	751.5	518.8	328.2	180.2	80.0	24.6	0.0
-15°	736.0	508.3	321.7	176.9	78.8	24.3	0.0
-17.5°	717.7	495.9	314.1	173.0	77.4	24.0	0.0
-20°	696.8	481.7	305.3	168.6	75.7	23.7	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	673.2	465.7	295.4	163.6	73.9	23.3	0.0
-25°	647.0	447.9	284.3	158.0	71.9	22.8	0.0
-27.5°	618.2	428.5	272.3	151.9	69.7	22.4	0.0
-30°	587.0	407.3	259.1	145.3	67.3	21.8	0.0
-32.5°	553.4	384.5	245.0	138.1	64.7	21.3	0.0
-35°	522.1	360.1	229.8	130.5	61.9	20.6	0.0
-37.5°	490.8	336.1	213.7	122.3	58.9	20.0	0.0
-40°	457.8	314.7	196.7	113.7	55.7	19.3	0.0
-42.5°	423.0	292.3	181.6	104.6	52.4	18.6	0.0
-45°	386.7	268.7	168.9	95.1	49.0	17.8	0.0
-47.5°	348.7	244.2	155.7	85.2	45.3	17.0	0.0
-50°	316.8	218.6	141.9	78.4	41.6	16.2	0.0
-52.5°	285.0	192.1	127.6	72.5	37.7	15.3	0.0
-55°	252.2	172.2	112.8	66.5	33.6	14.5	0.0
-57.5°	218.4	153.2	97.5	60.2	29.4	13.5	0.0
-60°	185.0	133.6	82.3	53.8	25.2	12.6	0.0
-62.5°	161.0	113.6	73.5	47.2	23.2	11.6	0.0
-65°	136.4	93.1	64.5	40.4	21.3	10.6	0.0
-67.5°	111.4	77.0	55.3	33.6	19.3	9.6	0.0
-70°	86.0	65.3	46.0	26.5	17.2	8.6	0.0
-72.5°	70.4	53.5	36.5	22.7	15.1	7.6	0.0
-75°	56.0	41.6	26.9	19.5	13.0	6.5	0.0
-77.5°	41.6	29.5	21.7	16.3	10.9	5.5	0.0
-80°	26.9	21.7	17.4	13.1	8.7	4.4	0.0
-82.5°	19.5	16.3	13.1	9.8	6.6	3.3	0.0
-85°	13.0	10.9	8.7	6.6	4.4	2.2	0.0
-87.5°	6.5	5.5	4.4	3.3	2.2	1.1	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

