

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: P701466 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-70-2S-VHE-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701466 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-2)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-40-70-2S-VHE-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 2S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

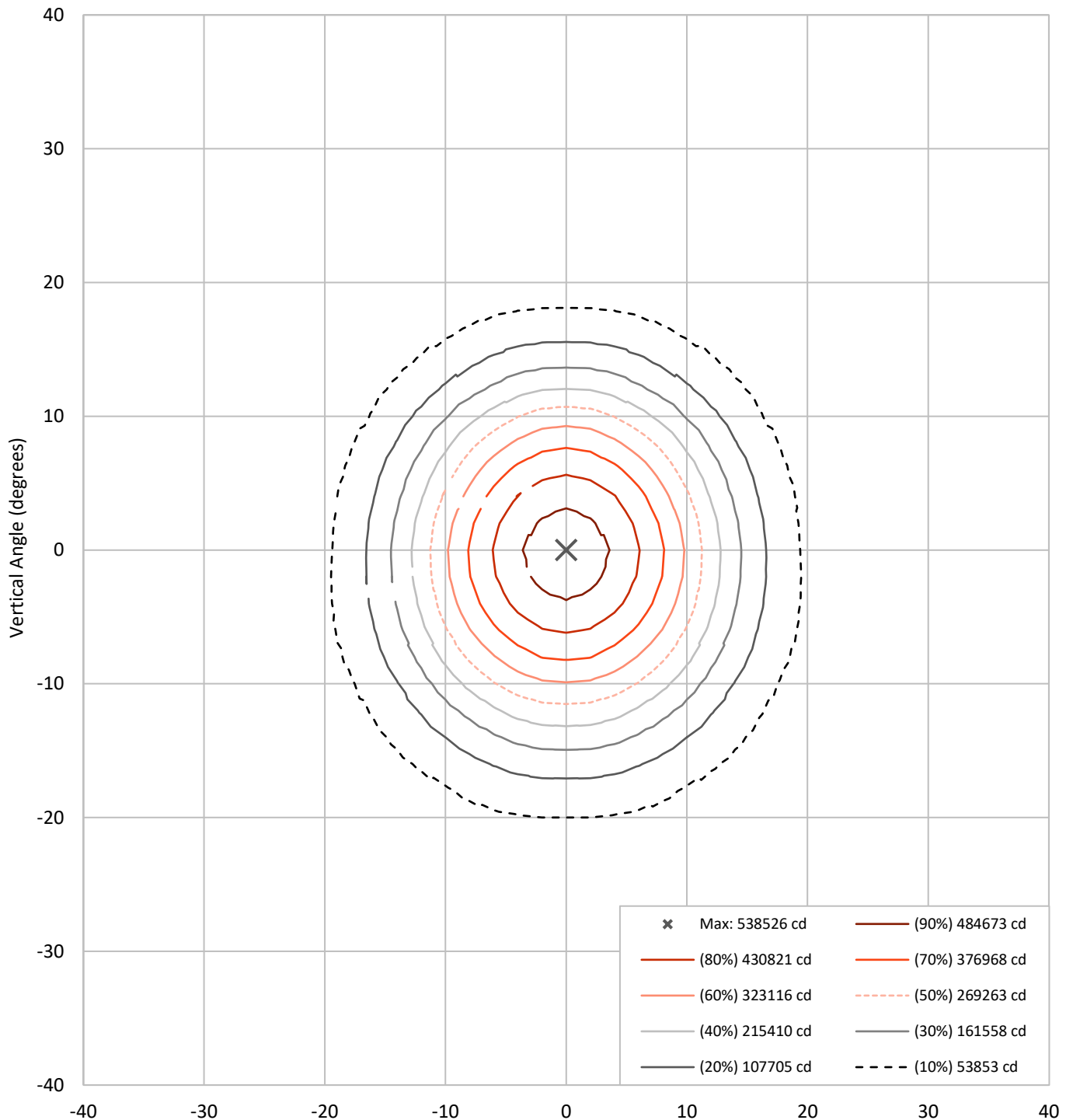
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	94126.3 lumens	Max Intensity:	538526 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	141.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	22.5°H x 22.2°V	Field Angle (10%):	38.8°H x 38.1°V
Beam Lumens:	43983.7 lumens	Field Lumens:	78356 lumens
Beam Efficiency:	46.7%	Field Efficiency:	83.2%

Input Watts (W): 666.2
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





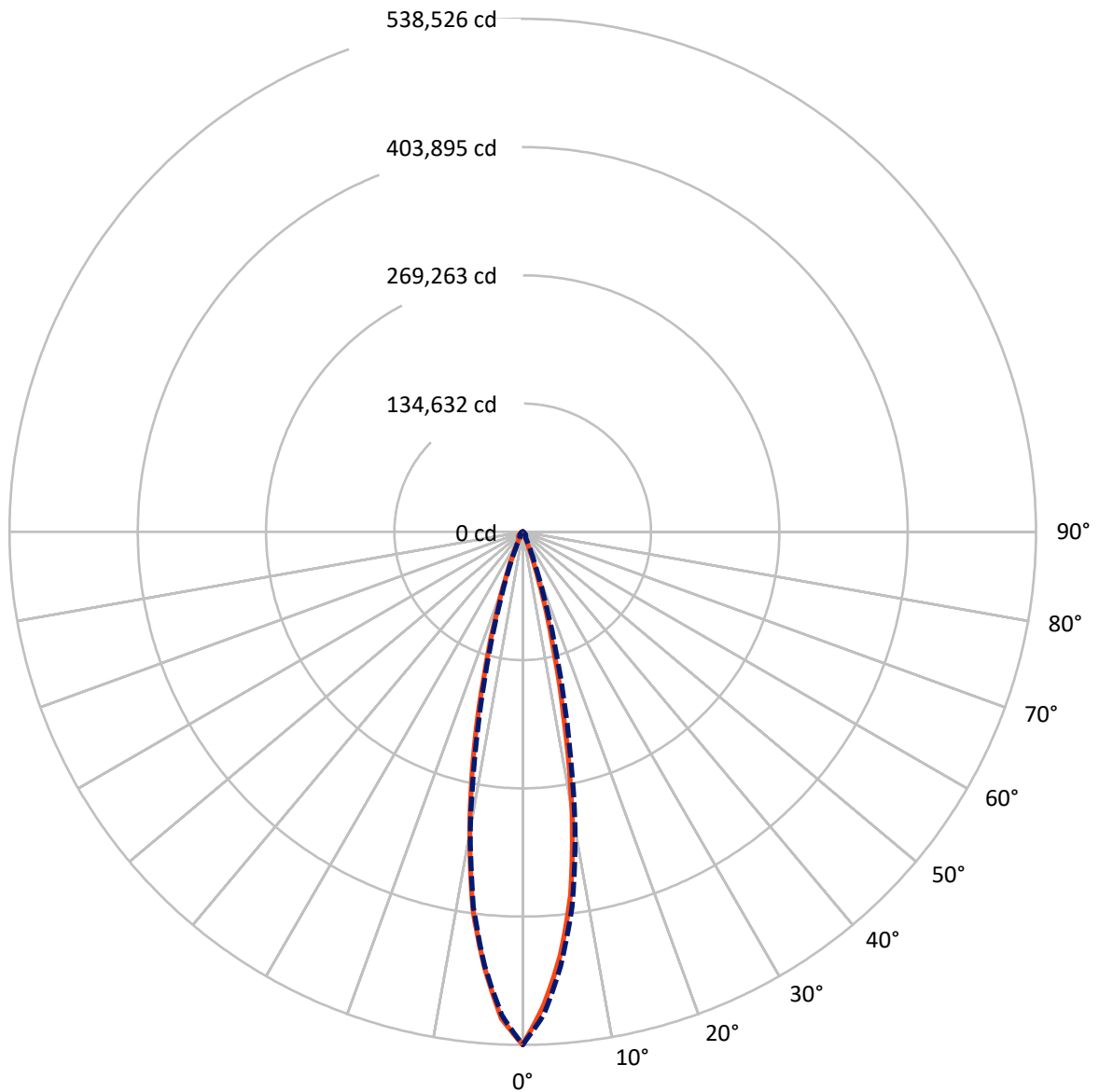
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Lumen Table

90	0.2		0.8		1.4		2.0		2.4		2.0		1.4		0.8		0.2	
80	0.2		0.1		0.2		0.7		0.9		0.8		0.8		0.8		0.2	
70	0.2		0.4		0.8		1.1		0.9		0.8		0.9		1.1		0.4	
60	0.7		1.1		2.8		5.6		9.9		16.2		24.8		29.3		24.8	
50	0.7		2.9		9.3		17.9		35.0		61.0		74.2		82.2		74.2	
40	1.9		5.0		15.3		32.7		80.0		93.0		128.3		234.5		234.5	
30	1.9		6.7		20.0		57.3		112.8		165.7		1051.0		3389.9		3389.9	
20	2.7		8.1		23.1		74.9		129.2		370.5		3723.4		11193.1		11193.1	
10	2.7		8.9		25.4		79.1		142.1		424.8		4055.0		11640.4		11640.4	
0	2.9		9.0		26.6		76.2		149.5		243.2		1486.1		4353.6		4353.6	
-10	2.9		8.3		26.1		58.2		141.0		193.3		268.6		537.2		537.2	
-20	2.4		7.0		22.8		45.6		98.6		173.6		203.4		213.3		213.3	
-30	2.4		5.4		17.3		36.9		58.8		90.4		137.5		172.6		172.6	
-40	1.9		3.5		11.0		24.2		41.2		55.7		66.5		73.4		73.4	
-50	1.9		2.4		5.5		12.1		21.0		29.5		37.1		41.8		41.8	
-60	1.9		2.4		5.5		12.1		21.0		29.5		37.1		41.8		41.8	
-70	1.4		8.6		20.9		34.9		42.7		34.9		20.9		8.6		1.4	
-80	1.4		8.6		20.9		34.9		42.7		34.9		20.9		8.6		1.4	
-90	1.4		8.6		20.9		34.9		42.7		34.9		20.9		8.6		1.4	

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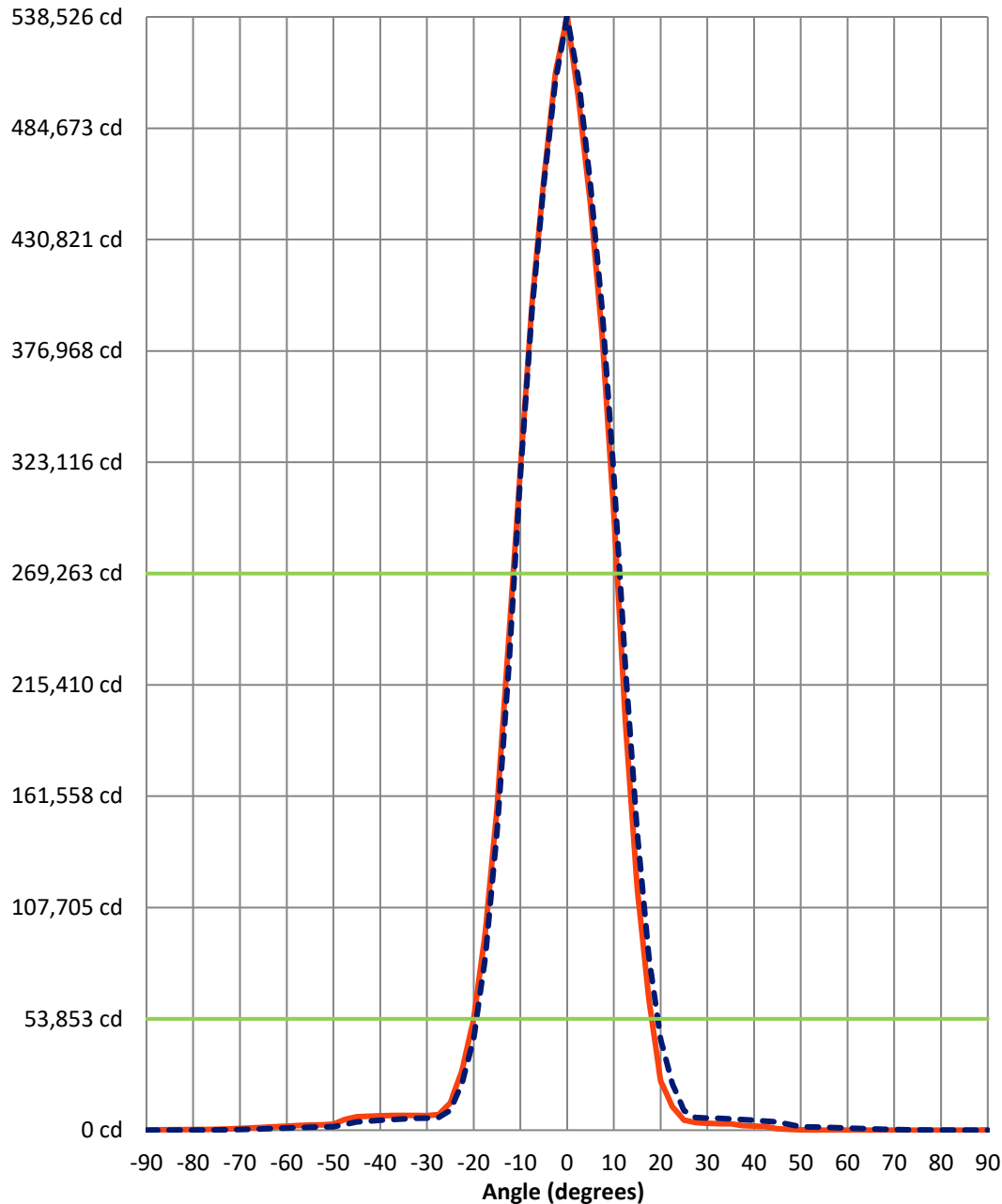
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 22.5°
 V Angle: 22.2°
 Lumens: 43983.7
 Efficiency: 46.7%

Field:
 H Angle: 38.8°
 V Angle: 38.1°
 Lumens: 78356
 Efficiency: 83.2%

Spill:
 Lumens: 15770.3
 Efficiency: 16.8%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	5.5	11.5	17.6	30.2	42.9	53.8	64.8	73.1	81.3	87.9	94.5
87.5°	5.5	5.6	5.7	5.7	5.7	5.7	5.8	5.7	5.5	5.5	5.5
85°	5.5	5.8	5.9	5.9	5.9	6.0	6.1	5.8	5.5	5.5	5.5
82.5°	5.5	5.9	6.1	6.1	6.1	6.2	6.4	6.0	5.6	5.7	5.8
80°	5.5	6.1	6.3	6.4	6.3	6.4	6.6	6.4	6.3	6.4	6.3
77.5°	5.5	6.2	6.5	6.6	6.5	6.7	6.9	6.9	7.1	7.1	6.8
75°	5.5	6.4	6.7	6.8	6.7	7.1	7.2	7.4	7.7	7.6	7.3
72.5°	5.5	6.5	6.9	7.1	7.1	7.5	7.6	7.8	8.2	8.1	7.8
70°	5.5	6.7	7.1	7.3	7.5	7.9	8.0	8.4	8.6	8.5	8.4
67.5°	5.5	6.8	7.3	7.6	7.9	8.3	8.6	8.9	9.1	9.3	9.1
65°	5.5	6.9	7.5	7.9	8.3	8.8	9.3	9.5	10.3	10.2	10.1
62.5°	5.5	7.1	7.8	8.2	8.7	9.5	10.0	10.7	11.5	11.3	11.9
60°	5.5	7.2	8.0	8.5	9.1	10.1	10.7	12.3	13.0	13.6	13.8
57.5°	5.5	7.4	8.3	8.7	9.8	10.8	12.5	14.0	15.6	16.4	18.4
55°	5.5	7.5	8.6	9.0	10.6	11.5	14.5	16.0	18.8	20.4	24.7
52.5°	5.5	7.6	9.0	9.3	11.4	12.4	16.7	19.5	22.3	28.0	31.6
50°	5.5	7.8	9.4	9.6	12.3	14.8	19.1	23.2	27.4	36.4	45.2
47.5°	5.5	7.9	9.8	10.0	13.2	17.2	21.7	27.1	35.8	45.5	61.4
45°	5.5	8.1	10.2	10.7	14.2	19.7	25.2	31.1	45.1	61.7	79.0
42.5°	5.5	8.2	10.6	11.5	15.3	22.2	28.8	38.0	55.0	79.2	107.5
40°	5.5	8.3	11.1	12.6	16.8	24.9	32.6	47.0	67.8	97.9	139.8
37.5°	5.5	8.5	11.6	13.9	18.9	27.6	36.7	56.4	86.0	122.0	174.4
35°	5.5	8.6	12.1	15.2	21.0	30.7	40.9	66.0	105.1	154.3	213.1
32.5°	5.5	8.7	12.7	16.6	23.1	34.1	46.4	76.0	125.1	187.1	254.2
30°	5.5	8.8	13.2	18.1	25.1	37.4	54.5	87.6	145.7	220.3	293.4
27.5°	5.5	9.0	13.8	19.5	27.8	40.8	62.6	102.8	167.0	253.7	330.5
25°	5.5	9.1	14.4	21.0	30.5	44.1	70.5	117.3	189.2	285.4	365.7
22.5°	5.5	9.2	14.9	22.5	33.0	47.5	78.2	130.8	209.7	306.9	403.9
20°	5.5	9.3	15.5	24.0	35.5	51.0	85.8	143.5	228.5	326.8	433.6
17.5°	5.5	9.4	16.1	25.6	37.9	54.4	92.6	155.3	245.4	345.0	461.7
15°	5.5	9.5	16.7	27.1	40.2	57.7	98.8	165.6	260.6	361.6	488.6
12.5°	5.5	9.6	17.3	28.5	42.4	60.8	104.4	174.5	274.9	376.5	514.1
10°	5.5	9.6	17.8	30.0	44.5	63.7	109.5	182.3	288.5	394.9	540.5
7.5°	5.5	9.7	18.4	31.4	46.5	66.5	114.1	189.1	300.7	412.7	570.5
5°	5.5	9.8	18.9	32.7	48.3	69.1	118.0	194.9	311.4	429.1	598.1
2.5°	5.5	9.8	19.3	34.0	50.1	71.4	121.4	199.6	320.3	443.6	622.8
0°	5.5	9.9	19.8	35.2	51.7	73.6	124.2	203.3	327.5	456.1	644.1
-2.5°	5.5	10.3	20.8	36.7	54.0	76.7	128.2	210.7	337.5	469.3	655.3
-5°	5.5	10.7	21.8	38.2	56.1	79.5	131.5	216.9	345.4	480.0	662.8
-7.5°	5.5	11.2	22.8	39.5	58.0	82.1	134.3	221.7	351.2	488.1	666.8
-10°	5.5	11.5	23.7	40.8	59.9	84.4	136.3	225.1	354.6	493.6	667.5
-12.5°	5.5	11.9	24.5	42.0	61.5	86.5	137.7	226.8	355.7	495.7	666.7
-15°	5.5	12.3	25.3	43.0	63.0	88.3	138.4	226.8	353.1	491.8	662.1
-17.5°	5.5	12.6	26.1	44.0	64.3	89.9	138.4	224.5	346.6	484.9	652.2
-20°	5.5	12.9	26.7	44.8	65.5	91.1	137.8	220.2	337.8	475.0	637.0



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-2S-VHE-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.5	13.2	27.3	45.6	66.4	92.0	136.7	214.5	326.9	462.1	616.7
-25°	5.5	13.5	27.8	46.2	67.2	92.8	134.9	207.3	313.8	446.3	596.8
-27.5°	5.5	13.8	28.3	46.7	67.7	93.4	132.2	198.7	298.6	433.2	582.7
-30°	5.5	14.0	28.7	47.2	68.1	93.7	128.7	188.6	286.4	418.6	565.3
-32.5°	5.5	14.2	29.0	47.5	68.6	93.7	124.4	182.2	276.1	400.8	544.0
-35°	5.5	14.4	29.2	47.7	69.0	93.4	122.6	176.9	263.3	379.8	518.9
-37.5°	5.5	14.5	29.3	47.8	69.1	93.1	121.9	170.7	247.9	355.6	491.6
-40°	5.5	14.7	29.4	47.7	69.1	93.1	120.8	163.1	230.0	333.7	461.1
-42.5°	5.5	14.8	29.4	47.7	69.0	92.8	119.4	154.0	216.5	310.3	426.3
-45°	5.5	14.8	29.3	47.6	69.0	92.3	117.5	147.0	204.3	283.8	388.8
-47.5°	5.5	14.9	29.1	47.5	68.8	91.5	115.2	144.2	190.4	254.6	355.3
-50°	5.5	14.9	28.9	47.2	68.3	90.6	113.6	140.8	174.6	236.3	318.3
-52.5°	5.5	14.8	28.5	46.9	67.7	89.4	112.0	137.0	166.3	216.3	278.8
-55°	5.5	14.8	28.1	46.4	67.0	88.1	110.1	132.8	161.0	194.5	252.3
-57.5°	5.5	14.7	27.6	45.8	66.0	86.7	107.8	130.1	155.2	184.0	224.4
-60°	5.5	14.6	27.0	45.1	64.9	85.0	105.4	127.0	149.3	176.4	201.5
-62.5°	5.5	14.5	26.6	44.2	63.6	83.0	102.8	123.6	144.9	167.9	191.1
-65°	5.5	14.3	26.1	43.2	62.2	80.8	99.8	119.7	140.1	160.7	180.2
-67.5°	5.5	14.1	25.5	42.1	60.6	78.4	96.6	115.6	134.8	153.8	171.1
-70°	5.5	13.9	24.8	40.9	58.8	75.9	93.1	111.3	129.7	146.5	162.7
-72.5°	5.5	13.7	24.1	39.8	56.9	73.1	89.5	106.6	124.2	139.6	154.0
-75°	5.5	13.4	23.3	38.7	54.8	70.2	85.8	101.8	118.5	132.4	145.6
-77.5°	5.5	13.2	22.5	37.5	53.1	67.1	81.8	96.7	112.2	124.8	137.0
-80°	5.5	12.9	21.6	36.2	51.2	64.4	77.6	91.4	105.6	116.7	127.7
-82.5°	5.5	12.6	20.6	34.9	49.3	61.9	74.5	86.3	98.8	108.4	118.0
-85°	5.5	12.2	19.7	33.4	47.3	59.4	71.4	82.1	93.1	101.2	109.1
-87.5°	5.5	11.9	18.6	31.9	45.1	56.7	68.2	77.6	87.3	94.6	101.9
-90°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5



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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°	99.5	104.4	108.8	113.2	118.2	123.1	128.6	134.1	139.6	145.1	149.5
87.5°	5.2	5.0	5.0	5.0	4.7	4.4	4.4	4.4	3.9	3.3	3.3
85°	5.5	5.5	5.5	5.5	5.1	4.7	4.6	4.4	4.1	3.9	3.9
82.5°	5.9	6.0	5.9	5.5	5.4	5.4	5.0	4.6	4.6	4.7	4.6
80°	6.4	6.6	6.2	5.9	5.8	5.6	5.4	5.3	5.4	5.5	5.1
77.5°	6.8	6.7	6.5	6.5	6.2	5.8	5.9	6.1	6.0	5.6	5.5
75°	7.1	6.8	6.7	6.7	6.5	6.5	6.6	6.6	6.4	6.2	6.1
72.5°	7.6	7.4	7.2	6.9	6.8	6.7	6.6	6.6	7.7	9.2	10.4
70°	8.2	8.0	7.8	7.5	7.3	7.4	8.7	11.2	13.9	16.0	18.9
67.5°	8.8	8.8	8.4	8.4	9.0	10.2	12.2	19.5	26.8	29.4	30.7
65°	9.8	9.7	9.6	10.3	10.9	16.5	23.8	32.3	41.4	43.1	41.4
62.5°	11.1	12.3	11.9	13.8	18.8	25.7	34.8	44.6	55.0	52.6	43.9
60°	15.2	15.9	17.6	21.9	27.6	35.3	45.5	49.7	54.0	54.8	42.6
57.5°	20.5	22.7	26.9	31.3	38.9	43.2	44.7	44.8	51.0	51.4	39.1
55°	28.4	32.3	38.6	43.9	48.7	44.0	44.0	48.1	50.2	46.4	34.7
52.5°	40.9	45.0	54.8	58.8	56.2	52.3	51.3	54.9	52.9	47.2	40.1
50°	54.7	66.5	73.0	76.2	70.0	69.3	63.7	66.9	69.0	65.9	68.9
47.5°	77.0	91.3	96.6	101.4	96.4	101.7	96.4	112.1	112.4	151.2	155.7
45°	104.2	123.5	129.7	140.8	149.4	154.3	184.9	187.0	269.2	301.5	370.8
42.5°	136.0	161.1	183.0	188.5	240.4	265.1	308.4	387.8	463.6	528.9	565.9
40°	176.7	203.5	249.3	300.5	359.3	417.3	481.9	575.0	655.1	690.3	709.0
37.5°	221.5	273.0	333.9	419.4	506.9	573.5	650.2	737.8	791.1	809.7	813.9
35°	269.4	343.7	445.7	535.5	629.2	718.6	790.2	873.9	891.8	906.6	989.1
32.5°	327.8	414.3	534.6	635.4	730.3	832.7	905.2	954.6	983.2	1037.6	1306.2
30°	386.3	487.9	606.9	714.0	824.7	922.0	991.0	1039.1	1071.7	1328.6	1886.4
27.5°	434.4	551.1	669.4	793.7	916.0	1013.7	1080.0	1123.8	1313.5	1739.3	2598.3
25°	478.1	600.7	731.8	881.9	1010.5	1101.0	1169.0	1212.2	1636.5	2506.1	3101.8
22.5°	519.1	648.8	802.5	975.0	1104.6	1181.4	1246.7	1481.7	2124.2	3283.1	3603.5
20°	559.1	706.4	879.2	1054.0	1192.8	1249.7	1318.2	1783.8	2751.6	3582.2	3933.1
17.5°	600.5	765.7	951.6	1114.6	1238.7	1310.4	1420.3	2076.8	3281.2	3844.1	4097.9
15°	642.0	821.5	1010.6	1168.0	1283.9	1370.1	1654.0	2496.6	3609.3	4131.8	4370.9
12.5°	682.6	870.4	1054.9	1213.8	1331.3	1426.6	1867.8	2930.5	3905.8	4414.3	4730.8
10°	721.8	912.7	1092.8	1258.1	1377.8	1481.4	2083.7	3354.8	4173.6	4598.5	4863.9
7.5°	755.9	947.2	1125.6	1300.5	1421.2	1535.3	2320.4	3636.2	4287.5	4715.6	4931.3
5°	785.1	974.4	1158.8	1347.8	1466.2	1584.9	2535.4	3821.8	4330.8	4787.8	5001.7
2.5°	809.6	996.4	1187.5	1392.1	1510.4	1626.8	2686.0	3939.5	4360.3	4815.5	5070.9
0°	829.8	1013.3	1211.2	1431.0	1550.8	1664.0	2798.2	3996.2	4369.9	4805.1	5135.9
-2.5°	842.8	1038.2	1255.1	1468.6	1583.9	1695.2	2793.5	4029.6	4381.9	4860.6	5387.1
-5°	851.6	1057.5	1291.9	1500.3	1613.9	1722.6	2745.8	4005.2	4408.4	4945.0	5551.3
-7.5°	855.9	1070.5	1320.2	1525.9	1642.2	1753.4	2686.8	3948.9	4543.8	5118.5	5654.3
-10°	857.4	1078.2	1326.0	1538.1	1668.4	1783.6	2589.4	3830.5	4650.8	5191.1	5684.2
-12.5°	863.1	1081.9	1323.0	1543.2	1690.7	1811.3	2469.2	3752.1	4794.6	5235.9	5673.3
-15°	862.6	1080.5	1314.2	1541.7	1718.0	1848.3	2309.3	3567.0	4882.2	5246.0	5644.1
-17.5°	855.3	1074.3	1300.7	1536.4	1743.9	1876.0	2083.8	3186.2	4631.8	5201.6	5609.6
-20°	840.9	1060.9	1281.7	1519.8	1758.3	1901.6	2056.9	2852.7	4116.5	5083.9	5544.6



REPORT NUMBER: P701466 (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°	820.3	1041.1	1258.4	1491.9	1751.5	1930.7	2075.6	2528.4	3607.4	4909.5	5439.1
-25°	796.3	1013.6	1231.5	1476.8	1741.3	1958.4	2079.5	2227.1	3164.7	4332.3	5257.4
-27.5°	769.7	979.6	1201.9	1444.8	1725.6	1953.4	2078.0	2217.2	2693.1	3622.3	4968.1
-30°	738.7	941.3	1161.1	1398.3	1670.0	1900.9	2073.0	2188.2	2333.6	3065.4	4213.1
-32.5°	704.5	898.1	1112.5	1345.7	1598.5	1842.2	2044.4	2164.9	2292.5	2543.1	3468.2
-35°	671.0	856.3	1058.9	1285.0	1525.4	1762.5	1969.3	2140.5	2247.6	2388.5	2810.8
-37.5°	639.9	809.5	1000.1	1218.9	1451.3	1663.4	1887.2	2072.7	2219.3	2321.4	2492.3
-40°	604.0	757.2	939.9	1144.7	1353.5	1555.4	1768.2	1976.9	2157.0	2291.5	2393.4
-42.5°	563.5	710.0	875.2	1057.2	1250.2	1442.3	1643.5	1850.3	2047.9	2225.3	2351.5
-45°	519.7	657.2	806.0	971.1	1142.4	1325.5	1517.1	1712.8	1909.0	2104.5	2260.2
-47.5°	468.9	599.2	740.4	879.2	1037.2	1205.4	1383.5	1567.4	1749.0	1937.7	2116.9
-50°	416.1	536.6	665.5	793.6	930.7	1082.8	1245.9	1417.7	1589.8	1764.1	1936.8
-52.5°	368.2	468.3	587.1	707.9	829.0	959.0	1106.6	1263.3	1425.7	1590.1	1741.2
-55°	317.1	407.1	504.7	617.9	731.5	844.6	964.6	1106.4	1253.6	1406.1	1541.5
-57.5°	277.7	345.5	429.7	523.3	629.0	736.0	841.3	947.8	1079.2	1214.8	1328.7
-60°	245.1	294.0	358.4	437.6	521.7	620.7	719.6	818.6	920.2	1017.2	1122.5
-62.5°	215.2	255.1	300.5	355.7	428.8	505.1	593.0	684.1	777.2	860.9	938.2
-65°	202.3	221.4	255.5	296.8	338.7	403.9	474.3	546.0	626.8	700.9	770.7
-67.5°	188.7	206.4	224.1	245.9	283.5	322.1	360.9	424.3	487.6	544.9	601.8
-70°	177.8	191.4	207.0	222.9	239.2	261.4	296.0	331.9	367.7	407.3	455.4
-72.5°	167.1	179.3	191.8	204.2	218.7	233.9	249.9	266.1	290.9	321.4	348.9
-75°	156.9	167.0	178.2	189.6	201.0	212.6	225.5	240.5	255.4	270.2	284.1
-77.5°	146.9	156.2	165.5	175.1	185.0	195.4	206.7	218.5	230.7	242.9	253.7
-80°	136.5	145.3	153.3	161.4	170.3	179.3	188.7	198.4	209.1	220.2	230.0
-82.5°	125.3	132.5	139.9	147.1	155.3	163.5	171.6	179.7	188.5	197.5	205.5
-85°	114.5	119.6	126.0	132.3	139.6	146.9	153.8	160.6	168.3	175.9	182.2
-87.5°	107.0	112.1	117.0	122.0	127.8	133.6	139.3	144.9	151.3	157.7	162.5
-90°	5.0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.9	3.3	3.3



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	153.9	157.2	160.5	162.2	163.8	167.1	170.4	175.3	180.2	185.7	191.2
87.5°	3.3	3.3	3.3	3.2	3.2	2.7	2.2	2.2	2.2	2.2	2.2
85°	4.0	4.1	4.1	3.7	3.3	3.2	3.2	3.2	3.2	2.7	2.2
82.5°	4.4	4.4	4.4	4.2	4.1	3.8	3.3	3.3	3.3	3.3	3.3
80°	4.8	4.6	4.4	4.4	4.4	4.3	4.1	3.8	3.3	3.8	4.3
77.5°	5.5	5.2	4.8	4.7	4.5	4.1	3.7	3.4	3.3	3.4	3.4
75°	5.7	5.8	6.6	6.7	6.5	5.9	5.0	4.9	5.0	4.8	4.4
72.5°	11.2	11.8	12.1	13.2	13.7	14.4	15.6	17.7	20.2	22.5	24.8
70°	22.5	25.6	26.3	26.4	26.3	27.1	28.3	29.6	31.3	32.8	34.1
67.5°	34.6	37.4	37.7	38.4	37.3	35.8	34.3	34.3	36.3	38.6	41.2
65°	42.3	39.5	37.4	36.9	36.2	34.4	31.5	29.4	28.9	28.5	28.6
62.5°	38.0	32.5	30.5	30.1	28.4	26.3	22.4	19.2	17.7	16.7	16.8
60°	32.9	26.5	22.5	20.8	18.1	15.4	13.0	10.6	9.9	9.6	9.7
57.5°	27.1	20.2	15.5	14.8	12.8	10.1	8.3	6.6	6.3	6.3	6.7
55°	24.8	21.2	17.7	16.6	14.2	13.0	11.2	8.9	8.3	8.9	9.8
52.5°	32.2	30.2	28.6	28.7	31.6	29.3	21.9	30.6	35.6	35.7	34.1
50°	70.6	63.5	90.6	87.2	109.0	123.5	112.1	125.9	145.5	159.4	169.1
47.5°	201.5	208.8	241.3	269.4	292.0	317.4	343.2	358.7	362.7	388.3	406.0
45°	405.7	430.0	466.1	484.3	519.9	562.2	591.8	605.1	682.7	779.4	841.8
42.5°	588.7	607.5	635.8	700.2	765.6	910.1	1075.8	1081.6	1231.4	1364.0	1499.7
40°	716.8	752.1	853.0	1005.8	1358.3	1633.4	1829.1	2021.0	2052.9	1990.7	2024.7
37.5°	882.5	1008.8	1264.6	1676.6	1981.7	2258.0	2369.2	2383.6	2422.3	2446.7	2408.0
35°	1195.0	1615.7	1827.9	2178.1	2400.1	2453.9	2487.6	2520.7	2552.4	2574.1	2597.8
32.5°	1879.2	2400.4	2428.4	2518.4	2559.9	2607.7	2643.3	2664.1	2678.5	2697.5	2762.0
30°	2614.7	2736.0	2746.1	2738.9	2753.2	2785.4	2808.6	2846.7	2884.6	2928.1	3070.8
27.5°	2958.1	3051.0	3022.1	2972.5	2947.9	2973.5	3037.0	3096.1	3206.1	3321.8	3526.6
25°	3338.2	3399.8	3364.5	3276.4	3221.2	3257.6	3353.0	3465.7	3675.9	3861.4	4238.2
22.5°	3745.3	3859.9	3822.8	3796.6	3680.3	3697.7	3773.0	4027.3	4553.3	5386.2	7115.6
20°	4061.0	4201.1	4218.8	4219.4	4194.9	4202.1	4376.9	5196.9	6735.0	11568.2	15852.8
17.5°	4295.2	4377.3	4475.8	4516.3	4564.2	4704.1	5636.5	8473.3	15115.4	24005.0	30812.2
15°	4598.6	4703.6	4810.4	4878.0	4986.3	5755.4	8139.8	16852.2	28930.8	44018.6	63303.6
12.5°	4841.4	4970.9	5055.7	5109.3	5358.9	7382.3	15678.3	28220.6	47066.0	70478.7	105210.4
10°	4975.9	5076.8	5192.4	5378.1	6396.3	10708.2	22109.7	39657.2	68626.6	110798.8	157058.2
7.5°	5042.7	5173.4	5366.8	5648.8	7570.6	15632.1	30758.7	55976.1	95544.3	148056.9	212512.5
5°	5120.6	5362.2	5592.4	5915.2	8482.5	19187.3	37633.9	69894.3	119013.6	183252.6	262855.6
2.5°	5246.4	5609.7	5758.1	6068.2	9031.9	21475.9	41733.6	80780.4	136538.7	211973.3	301346.7
0°	5444.8	5747.0	5836.1	6148.2	9585.0	22607.8	44141.9	83765.5	144345.1	223158.2	316506.5
-2.5°	5669.0	5857.7	5956.3	6304.2	9862.6	23762.6	46036.6	85771.2	142485.9	219432.3	310811.1
-5°	5815.1	5965.0	6060.6	6400.6	9832.3	22607.8	43919.5	79874.1	131616.5	200438.7	282137.8
-7.5°	5914.7	6070.7	6170.8	6482.4	9251.0	19537.8	38791.9	68850.4	111851.3	168294.4	238861.9
-10°	6011.9	6182.3	6313.4	6559.6	8187.7	14915.0	30447.3	51942.6	87474.7	132383.9	185145.0
-12.5°	6099.6	6310.1	6478.8	6592.2	7189.2	11344.6	22375.1	39730.4	62963.5	96487.5	135096.6
-15°	6144.0	6395.8	6584.7	6709.6	7055.8	8970.3	14489.0	26290.3	43958.5	64752.8	89875.8
-17.5°	6067.5	6443.1	6624.9	6762.4	6876.2	7368.3	10220.4	16137.9	27173.3	40795.2	53067.7
-20°	5945.9	6448.4	6654.2	6839.4	6968.7	7102.8	7466.1	10277.2	14766.6	23123.6	31303.0



REPORT NUMBER: P701466 (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°	5843.1	6310.3	6739.9	6940.0	7088.9	7098.7	7109.9	7448.3	9201.2	12016.8	16343.7
-25°	5771.8	6213.9	6713.7	7023.7	7126.8	7130.6	7074.3	7011.4	7210.2	7410.0	8991.0
-27.5°	5651.2	6130.8	6600.6	6978.6	7131.4	7126.2	7083.5	7041.5	6972.7	6927.7	7098.3
-30°	5503.7	5985.6	6423.0	6803.1	7029.7	7099.3	7070.1	7038.9	7017.6	7002.7	6972.1
-32.5°	4717.5	5807.2	6175.7	6520.6	6843.9	6985.5	7048.5	7033.9	7014.8	7006.6	7012.0
-35°	3853.4	4978.4	5935.2	6181.0	6461.6	6743.3	6942.1	6987.1	7007.1	7003.6	7012.3
-37.5°	2954.6	3968.1	4908.2	5693.9	6031.6	6324.6	6613.6	6804.9	6919.8	6939.7	6966.8
-40°	2546.5	2833.0	3723.5	4513.3	5170.3	5775.1	6081.1	6412.0	6670.1	6773.9	6828.5
-42.5°	2438.6	2552.4	2669.4	3248.6	3928.8	4505.4	5076.7	5644.5	6115.8	6382.4	6555.9
-45°	2391.6	2455.1	2522.5	2615.8	2699.3	3186.3	3710.8	4264.1	4883.5	5346.2	5777.2
-47.5°	2254.6	2382.5	2447.0	2486.5	2515.9	2580.2	2637.7	2793.5	3309.0	3714.4	4164.2
-50°	2073.5	2203.5	2308.9	2402.6	2434.7	2449.5	2466.7	2518.6	2600.9	2660.8	2751.3
-52.5°	1863.9	1985.8	2103.2	2203.5	2275.3	2337.0	2395.9	2436.8	2470.1	2504.8	2537.5
-55°	1663.5	1767.3	1868.0	1962.2	2047.7	2118.9	2189.0	2255.6	2318.2	2377.0	2432.0
-57.5°	1443.7	1547.3	1639.9	1724.5	1797.3	1856.7	1925.9	1999.4	2068.3	2129.4	2188.9
-60°	1221.8	1316.2	1404.7	1484.7	1551.4	1603.8	1671.1	1737.0	1799.9	1856.8	1906.8
-62.5°	1013.2	1093.8	1170.1	1240.7	1303.8	1360.1	1416.5	1473.0	1532.5	1585.7	1632.7
-65°	836.9	901.3	955.4	1005.8	1048.2	1099.2	1153.4	1204.0	1256.4	1305.7	1350.6
-67.5°	659.8	714.4	759.8	803.3	838.8	874.6	915.0	953.4	990.4	1028.8	1066.3
-70°	497.9	536.4	565.0	594.9	629.8	662.4	695.0	727.6	758.4	792.1	826.9
-72.5°	371.6	390.3	409.2	433.4	454.2	477.8	501.2	526.3	551.7	576.2	599.1
-75°	297.4	309.3	323.6	335.4	344.4	355.9	368.9	384.7	400.5	416.4	431.3
-77.5°	264.6	272.8	279.4	284.4	288.8	294.7	300.6	311.7	323.6	336.9	350.3
-80°	239.2	244.5	249.0	252.7	256.0	261.0	265.9	275.5	285.7	295.6	305.1
-82.5°	213.4	217.8	221.5	224.8	227.8	232.4	237.1	244.8	252.6	262.2	271.8
-85°	188.4	192.2	195.9	198.8	201.6	205.2	208.8	216.0	223.2	230.9	238.6
-87.5°	167.4	170.6	173.8	176.2	178.6	181.7	184.8	190.4	196.1	202.3	208.5
-90°	3.3	3.3	3.3	2.8	2.2	2.2	2.2	2.2	2.2	1.7	1.1



REPORT NUMBER: P701466 (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°	191.8	192.3	192.3	192.3	192.3	192.3	191.8	191.2	185.7	180.2	175.3
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.7	3.2	3.2
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
80°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.3	3.8	3.3	3.8
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.3	3.4
75°	3.9	3.3	3.3	3.3	3.3	3.3	3.9	4.4	4.8	5.0	4.9
72.5°	26.9	28.9	30.0	30.8	30.0	28.9	26.9	24.8	22.5	20.2	17.7
70°	34.7	35.0	35.2	35.2	35.2	35.0	34.7	34.1	32.8	31.3	29.6
67.5°	42.7	43.6	43.9	44.0	43.9	43.6	42.7	41.2	38.6	36.3	34.3
65°	27.2	25.2	23.4	22.0	23.4	25.2	27.2	28.6	28.5	28.9	29.4
62.5°	16.5	15.8	15.5	15.4	15.5	15.8	16.5	16.8	16.7	17.7	19.2
60°	9.8	10.0	9.5	8.8	9.5	10.0	9.8	9.7	9.6	9.9	10.6
57.5°	7.1	7.6	8.2	8.8	8.2	7.6	7.1	6.7	6.3	6.3	6.6
55°	10.6	11.6	12.5	13.2	12.5	11.6	10.6	9.8	8.9	8.3	8.9
52.5°	30.7	27.5	26.6	27.5	26.6	27.5	30.7	34.1	35.7	35.6	30.6
50°	174.0	177.5	181.8	186.8	181.8	177.5	174.0	169.1	159.4	145.5	125.9
47.5°	410.9	403.2	395.9	393.5	395.9	403.2	410.9	406.0	388.3	362.7	358.7
45°	779.1	721.8	692.6	710.0	692.6	721.8	779.1	841.8	779.4	682.7	605.1
42.5°	1572.5	1657.4	1723.7	1755.2	1723.7	1657.4	1572.5	1499.7	1364.0	1231.4	1081.6
40°	1971.4	1939.5	1956.6	1982.7	1956.6	1939.5	1971.4	2024.7	1990.7	2052.9	2021.0
37.5°	2426.9	2437.5	2360.9	2235.5	2360.9	2437.5	2426.9	2408.0	2446.7	2422.3	2383.6
35°	2647.9	2784.5	3040.2	3101.6	3040.2	2784.5	2647.9	2597.8	2574.1	2552.4	2520.7
32.5°	2924.4	3066.3	3109.8	3126.8	3109.8	3066.3	2924.4	2762.0	2697.5	2678.5	2664.1
30°	3254.9	3319.0	3302.9	3326.9	3302.9	3319.0	3254.9	3070.8	2928.1	2884.6	2846.7
27.5°	3617.0	3654.5	3642.3	3674.2	3642.3	3654.5	3617.0	3526.6	3321.8	3206.1	3096.1
25°	4551.8	4847.1	4831.7	4900.7	4831.7	4847.1	4551.8	4238.2	3861.4	3675.9	3465.7
22.5°	9220.9	10264.8	10890.1	11495.2	10890.1	10264.8	9220.9	7115.6	5386.2	4553.3	4027.3
20°	20602.6	23611.5	24266.5	24027.8	24266.5	23611.5	20602.6	15852.8	11568.2	6735.0	5196.9
17.5°	44224.4	56229.2	62675.2	63392.1	62675.2	56229.2	44224.4	30812.2	24005.0	15115.4	8473.3
15°	83227.4	104209.3	116122.3	117373.9	116122.3	104209.3	83227.4	63303.6	44018.6	28930.8	16852.2
12.5°	136056.8	169470.4	193999.9	196736.6	193999.9	169470.4	136056.8	105210.4	70478.7	47066.0	28220.6
10°	208420.7	253595.7	289318.6	298021.2	289318.6	253595.7	208420.7	157058.2	110798.8	68626.6	39657.2
7.5°	280647.2	332201.2	374244.5	384136.6	374244.5	332201.2	280647.2	212512.5	148056.9	95544.3	55976.1
5°	337109.0	403071.2	436622.5	447707.8	436622.5	403071.2	337109.0	262855.6	183252.6	119013.6	69894.3
2.5°	380146.9	442431.1	481819.3	497979.7	481819.3	442431.1	380146.9	301346.7	211973.3	136538.7	80780.4
0°	396760.4	457176.2	507335.0	538526.0	507335.0	457176.2	396760.4	316506.5	223158.2	144345.1	83765.5
-2.5°	390248.2	448418.1	491047.0	511280.1	491047.0	448418.1	390248.2	310811.1	219432.3	142485.9	85771.2
-5°	357326.6	416030.6	448990.2	459430.4	448990.2	416030.6	357326.6	282137.8	200438.7	131616.5	79874.1
-7.5°	302157.4	353830.0	392911.2	399916.5	392911.2	353830.0	302157.4	238861.9	168294.4	111851.3	68850.4
-10°	239478.1	284209.7	314023.5	319663.0	314023.5	284209.7	239478.1	185145.0	132383.9	87474.7	51942.6
-12.5°	169754.2	209046.3	232617.9	236967.4	232617.9	209046.3	169754.2	135096.6	96487.5	62963.5	39730.4
-15°	115356.5	139830.7	154117.4	155560.0	154117.4	139830.7	115356.5	89875.8	64752.8	43958.5	26290.3
-17.5°	72178.6	86736.6	95640.8	95723.4	95640.8	86736.6	72178.6	53067.7	40795.2	27173.3	16137.9
-20°	41787.2	48734.2	53715.8	53695.0	53715.8	48734.2	41787.2	31303.0	23123.6	14766.6	10277.2



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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°	21771.7	25900.5	28904.4	28767.0	28904.4	25900.5	21771.7	16343.7	12016.8	9201.2	7448.3
-25°	10690.9	12271.6	13323.7	13241.6	13323.7	12271.6	10690.9	8991.0	7410.0	7210.2	7011.4
-27.5°	7245.1	7419.1	7539.2	7551.7	7539.2	7419.1	7245.1	7098.3	6927.7	6972.7	7041.5
-30°	6960.3	7000.1	7041.9	7052.7	7041.9	7000.1	6960.3	6972.1	7002.7	7017.6	7038.9
-32.5°	7029.1	7060.1	7106.1	7135.2	7106.1	7060.1	7029.1	7012.0	7006.6	7014.8	7033.9
-35°	7034.1	7070.1	7123.4	7147.2	7123.4	7070.1	7034.1	7012.3	7003.6	7007.1	6987.1
-37.5°	7001.4	7045.5	7091.1	7112.1	7091.1	7045.5	7001.4	6966.8	6939.7	6919.8	6804.9
-40°	6877.1	6922.1	6955.5	6958.2	6955.5	6922.1	6877.1	6828.5	6773.9	6670.1	6412.0
-42.5°	6671.4	6727.2	6752.9	6748.3	6752.9	6727.2	6671.4	6555.9	6382.4	6115.8	5644.5
-45°	6185.8	6383.5	6480.5	6504.3	6480.5	6383.5	6185.8	5777.2	5346.2	4883.5	4264.1
-47.5°	4685.3	4975.1	5160.9	5234.9	5160.9	4975.1	4685.3	4164.2	3714.4	3309.0	2793.5
-50°	2869.7	2896.6	2914.4	2923.5	2914.4	2896.6	2869.7	2751.3	2660.8	2600.9	2518.6
-52.5°	2564.8	2572.5	2576.7	2577.3	2576.7	2572.5	2564.8	2537.5	2504.8	2470.1	2436.8
-55°	2471.6	2487.1	2496.8	2499.3	2496.8	2487.1	2471.6	2432.0	2377.0	2318.2	2255.6
-57.5°	2228.2	2237.1	2247.0	2253.1	2247.0	2237.1	2228.2	2188.9	2129.4	2068.3	1999.4
-60°	1936.7	1944.8	1946.4	1941.0	1946.4	1944.8	1936.7	1906.8	1856.8	1799.9	1737.0
-62.5°	1658.4	1665.9	1673.4	1676.1	1673.4	1665.9	1658.4	1632.7	1585.7	1532.5	1473.0
-65°	1371.6	1375.3	1377.1	1373.8	1377.1	1375.3	1371.6	1350.6	1305.7	1256.4	1204.0
-67.5°	1083.9	1091.3	1101.9	1109.0	1101.9	1091.3	1083.9	1066.3	1028.8	990.4	953.4
-70°	834.9	831.6	838.7	844.1	838.7	831.6	834.9	826.9	792.1	758.4	727.6
-72.5°	602.0	598.4	595.9	591.3	595.9	598.4	602.0	599.1	576.2	551.7	526.3
-75°	430.5	426.1	425.4	424.2	425.4	426.1	430.5	431.3	416.4	400.5	384.7
-77.5°	350.5	348.8	346.6	344.0	346.6	348.8	350.5	350.3	336.9	323.6	311.7
-80°	306.0	306.1	304.8	303.3	304.8	306.1	306.0	305.1	295.6	285.7	275.5
-82.5°	272.3	272.2	271.4	270.4	271.4	272.2	272.3	271.8	262.2	252.6	244.8
-85°	239.1	239.4	238.4	237.4	238.4	239.4	239.1	238.6	230.9	223.2	216.0
-87.5°	209.2	209.8	209.3	208.8	209.3	209.8	209.2	208.5	202.3	196.1	190.4
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	170.4	167.1	163.8	162.2	160.5	157.2	153.9	149.5	145.1	139.6	134.1
87.5°	2.2	2.7	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.9	4.4
85°	3.2	3.2	3.3	3.7	4.1	4.1	4.0	3.9	3.9	4.1	4.4
82.5°	3.3	3.8	4.1	4.2	4.4	4.4	4.4	4.6	4.7	4.6	4.6
80°	4.1	4.3	4.4	4.4	4.4	4.6	4.8	5.1	5.5	5.4	5.3
77.5°	3.7	4.1	4.5	4.7	4.8	5.2	5.5	5.5	5.6	6.0	6.1
75°	5.0	5.9	6.5	6.7	6.6	5.8	5.7	6.1	6.2	6.4	6.6
72.5°	15.6	14.4	13.7	13.2	12.1	11.8	11.2	10.4	9.2	7.7	6.6
70°	28.3	27.1	26.3	26.4	26.3	25.6	22.5	18.9	16.0	13.9	11.2
67.5°	34.3	35.8	37.3	38.4	37.7	37.4	34.6	30.7	29.4	26.8	19.5
65°	31.5	34.4	36.2	36.9	37.4	39.5	42.3	41.4	43.1	41.4	32.3
62.5°	22.4	26.3	28.4	30.1	30.5	32.5	38.0	43.9	52.6	55.0	44.6
60°	13.0	15.4	18.1	20.8	22.5	26.5	32.9	42.6	54.8	54.0	49.7
57.5°	8.3	10.1	12.8	14.8	15.5	20.2	27.1	39.1	51.4	51.0	44.8
55°	11.2	13.0	14.2	16.6	17.7	21.2	24.8	34.7	46.4	50.2	48.1
52.5°	21.9	29.3	31.6	28.7	28.6	30.2	32.2	40.1	47.2	52.9	54.9
50°	112.1	123.5	109.0	87.2	90.6	63.5	70.6	68.9	65.9	69.0	66.9
47.5°	343.2	317.4	292.0	269.4	241.3	208.8	201.5	155.7	151.2	112.4	112.1
45°	591.8	562.2	519.9	484.3	466.1	430.0	405.7	370.8	301.5	269.2	187.0
42.5°	1075.8	910.1	765.6	700.2	635.8	607.5	588.7	565.9	528.9	463.6	387.8
40°	1829.1	1633.4	1358.3	1005.8	853.0	752.1	716.8	709.0	690.3	655.1	575.0
37.5°	2369.2	2258.0	1981.7	1676.6	1264.6	1008.8	882.5	813.9	809.7	791.1	737.8
35°	2487.6	2453.9	2400.1	2178.1	1827.9	1615.7	1195.0	989.1	906.6	891.8	873.9
32.5°	2643.3	2607.7	2559.9	2518.4	2428.4	2400.4	1879.2	1306.2	1037.6	983.2	954.6
30°	2808.6	2785.4	2753.2	2738.9	2746.1	2736.0	2614.7	1886.4	1328.6	1071.7	1039.1
27.5°	3037.0	2973.5	2947.9	2972.5	3022.1	3051.0	2958.1	2598.3	1739.3	1313.5	1123.8
25°	3353.0	3257.6	3221.2	3276.4	3364.5	3399.8	3338.2	3101.8	2506.1	1636.5	1212.2
22.5°	3773.0	3697.7	3680.3	3796.6	3822.8	3859.9	3745.3	3603.5	3283.1	2124.2	1481.7
20°	4376.9	4202.1	4194.9	4219.4	4218.8	4201.1	4061.0	3933.1	3582.2	2751.6	1783.8
17.5°	5636.5	4704.1	4564.2	4516.3	4475.8	4377.3	4295.2	4097.9	3844.1	3281.2	2076.8
15°	8139.8	5755.4	4986.3	4878.0	4810.4	4703.6	4598.6	4370.9	4131.8	3609.3	2496.6
12.5°	15678.3	7382.3	5358.9	5109.3	5055.7	4970.9	4841.4	4730.8	4414.3	3905.8	2930.5
10°	22109.7	10708.2	6396.3	5378.1	5192.4	5076.8	4975.9	4863.9	4598.5	4173.6	3354.8
7.5°	30758.7	15632.1	7570.6	5648.8	5366.8	5173.4	5042.7	4931.3	4715.6	4287.5	3636.2
5°	37633.9	19187.3	8482.5	5915.2	5592.4	5362.2	5120.6	5001.7	4787.8	4330.8	3821.8
2.5°	41733.6	21475.9	9031.9	6068.2	5758.1	5609.7	5246.4	5070.9	4815.5	4360.3	3939.5
0°	44141.9	22607.8	9585.0	6148.2	5836.1	5747.0	5444.8	5135.9	4805.1	4369.9	3996.2
-2.5°	46036.6	23762.6	9862.6	6304.2	5956.3	5857.7	5669.0	5387.1	4860.6	4381.9	4029.6
-5°	43919.5	22607.8	9832.3	6400.6	6060.6	5965.0	5815.1	5551.3	4945.0	4408.4	4005.2
-7.5°	38791.9	19537.8	9251.0	6482.4	6170.8	6070.7	5914.7	5654.3	5118.5	4543.8	3948.9
-10°	30447.3	14915.0	8187.7	6559.6	6313.4	6182.3	6011.9	5684.2	5191.1	4650.8	3830.5
-12.5°	22375.1	11344.6	7189.2	6592.2	6478.8	6310.1	6099.6	5673.3	5235.9	4794.6	3752.1
-15°	14489.0	8970.3	7055.8	6709.6	6584.7	6395.8	6144.0	5644.1	5246.0	4882.2	3567.0
-17.5°	10220.4	7368.3	6876.2	6762.4	6624.9	6443.1	6067.5	5609.6	5201.6	4631.8	3186.2
-20°	7466.1	7102.8	6968.7	6839.4	6654.2	6448.4	5945.9	5544.6	5083.9	4116.5	2852.7



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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°	7109.9	7098.7	7088.9	6940.0	6739.9	6310.3	5843.1	5439.1	4909.5	3607.4	2528.4
-25°	7074.3	7130.6	7126.8	7023.7	6713.7	6213.9	5771.8	5257.4	4332.3	3164.7	2227.1
-27.5°	7083.5	7126.2	7131.4	6978.6	6600.6	6130.8	5651.2	4968.1	3622.3	2693.1	2217.2
-30°	7070.1	7099.3	7029.7	6803.1	6423.0	5985.6	5503.7	4213.1	3065.4	2333.6	2188.2
-32.5°	7048.5	6985.5	6843.9	6520.6	6175.7	5807.2	4717.5	3468.2	2543.1	2292.5	2164.9
-35°	6942.1	6743.3	6461.6	6181.0	5935.2	4978.4	3853.4	2810.8	2388.5	2247.6	2140.5
-37.5°	6613.6	6324.6	6031.6	5693.9	4908.2	3968.1	2954.6	2492.3	2321.4	2219.3	2072.7
-40°	6081.1	5775.1	5170.3	4513.3	3723.5	2833.0	2546.5	2393.4	2291.5	2157.0	1976.9
-42.5°	5076.7	4505.4	3928.8	3248.6	2669.4	2552.4	2438.6	2351.5	2225.3	2047.9	1850.3
-45°	3710.8	3186.3	2699.3	2615.8	2522.5	2455.1	2391.6	2260.2	2104.5	1909.0	1712.8
-47.5°	2637.7	2580.2	2515.9	2486.5	2447.0	2382.5	2254.6	2116.9	1937.7	1749.0	1567.4
-50°	2466.7	2449.5	2434.7	2402.6	2308.9	2203.5	2073.5	1936.8	1764.1	1589.8	1417.7
-52.5°	2395.9	2337.0	2275.3	2203.5	2103.2	1985.8	1863.9	1741.2	1590.1	1425.7	1263.3
-55°	2189.0	2118.9	2047.7	1962.2	1868.0	1767.3	1663.5	1541.5	1406.1	1253.6	1106.4
-57.5°	1925.9	1856.7	1797.3	1724.5	1639.9	1547.3	1443.7	1328.7	1214.8	1079.2	947.8
-60°	1671.1	1603.8	1551.4	1484.7	1404.7	1316.2	1221.8	1122.5	1017.2	920.2	818.6
-62.5°	1416.5	1360.1	1303.8	1240.7	1170.1	1093.8	1013.2	938.2	860.9	777.2	684.1
-65°	1153.4	1099.2	1048.2	1005.8	955.4	901.3	836.9	770.7	700.9	626.8	546.0
-67.5°	915.0	874.6	838.8	803.3	759.8	714.4	659.8	601.8	544.9	487.6	424.3
-70°	695.0	662.4	629.8	594.9	565.0	536.4	497.9	455.4	407.3	367.7	331.9
-72.5°	501.2	477.8	454.2	433.4	409.2	390.3	371.6	348.9	321.4	290.9	266.1
-75°	368.9	355.9	344.4	335.4	323.6	309.3	297.4	284.1	270.2	255.4	240.5
-77.5°	300.6	294.7	288.8	284.4	279.4	272.8	264.6	253.7	242.9	230.7	218.5
-80°	265.9	261.0	256.0	252.7	249.0	244.5	239.2	230.0	220.2	209.1	198.4
-82.5°	237.1	232.4	227.8	224.8	221.5	217.8	213.4	205.5	197.5	188.5	179.7
-85°	208.8	205.2	201.6	198.8	195.9	192.2	188.4	182.2	175.9	168.3	160.6
-87.5°	184.8	181.7	178.6	176.2	173.8	170.6	167.4	162.5	157.7	151.3	144.9
-90°	2.2	2.2	2.2	2.8	3.3	3.3	3.3	3.3	3.3	3.9	4.4



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	128.6	123.1	118.2	113.2	108.8	104.4	99.5	94.5	87.9	81.3	73.1
87.5°	4.4	4.4	4.7	5.0	5.0	5.0	5.2	5.5	5.5	5.5	5.7
85°	4.6	4.7	5.1	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.8
82.5°	5.0	5.4	5.4	5.5	5.9	6.0	5.9	5.8	5.7	5.6	6.0
80°	5.4	5.6	5.8	5.9	6.2	6.6	6.4	6.3	6.4	6.3	6.4
77.5°	5.9	5.8	6.2	6.5	6.5	6.7	6.8	6.8	7.1	7.1	6.9
75°	6.6	6.5	6.5	6.7	6.7	6.8	7.1	7.3	7.6	7.7	7.4
72.5°	6.6	6.7	6.8	6.9	7.2	7.4	7.6	7.8	8.1	8.2	7.8
70°	8.7	7.4	7.3	7.5	7.8	8.0	8.2	8.4	8.5	8.6	8.4
67.5°	12.2	10.2	9.0	8.4	8.4	8.8	8.8	9.1	9.3	9.1	8.9
65°	23.8	16.5	10.9	10.3	9.6	9.7	9.8	10.1	10.2	10.3	9.5
62.5°	34.8	25.7	18.8	13.8	11.9	12.3	11.1	11.9	11.3	11.5	10.7
60°	45.5	35.3	27.6	21.9	17.6	15.9	15.2	13.8	13.6	13.0	12.3
57.5°	44.7	43.2	38.9	31.3	26.9	22.7	20.5	18.4	16.4	15.6	14.0
55°	44.0	44.0	48.7	43.9	38.6	32.3	28.4	24.7	20.4	18.8	16.0
52.5°	51.3	52.3	56.2	58.8	54.8	45.0	40.9	31.6	28.0	22.3	19.5
50°	63.7	69.3	70.0	76.2	73.0	66.5	54.7	45.2	36.4	27.4	23.2
47.5°	96.4	101.7	96.4	101.4	96.6	91.3	77.0	61.4	45.5	35.8	27.1
45°	184.9	154.3	149.4	140.8	129.7	123.5	104.2	79.0	61.7	45.1	31.1
42.5°	308.4	265.1	240.4	188.5	183.0	161.1	136.0	107.5	79.2	55.0	38.0
40°	481.9	417.3	359.3	300.5	249.3	203.5	176.7	139.8	97.9	67.8	47.0
37.5°	650.2	573.5	506.9	419.4	333.9	273.0	221.5	174.4	122.0	86.0	56.4
35°	790.2	718.6	629.2	535.5	445.7	343.7	269.4	213.1	154.3	105.1	66.0
32.5°	905.2	832.7	730.3	635.4	534.6	414.3	327.8	254.2	187.1	125.1	76.0
30°	991.0	922.0	824.7	714.0	606.9	487.9	386.3	293.4	220.3	145.7	87.6
27.5°	1080.0	1013.7	916.0	793.7	669.4	551.1	434.4	330.5	253.7	167.0	102.8
25°	1169.0	1101.0	1010.5	881.9	731.8	600.7	478.1	365.7	285.4	189.2	117.3
22.5°	1246.7	1181.4	1104.6	975.0	802.5	648.8	519.1	403.9	306.9	209.7	130.8
20°	1318.2	1249.7	1192.8	1054.0	879.2	706.4	559.1	433.6	326.8	228.5	143.5
17.5°	1420.3	1310.4	1238.7	1114.6	951.6	765.7	600.5	461.7	345.0	245.4	155.3
15°	1654.0	1370.1	1283.9	1168.0	1010.6	821.5	642.0	488.6	361.6	260.6	165.6
12.5°	1867.8	1426.6	1331.3	1213.8	1054.9	870.4	682.6	514.1	376.5	274.9	174.5
10°	2083.7	1481.4	1377.8	1258.1	1092.8	912.7	721.8	540.5	394.9	288.5	182.3
7.5°	2320.4	1535.3	1421.2	1300.5	1125.6	947.2	755.9	570.5	412.7	300.7	189.1
5°	2535.4	1584.9	1466.2	1347.8	1158.8	974.4	785.1	598.1	429.1	311.4	194.9
2.5°	2686.0	1626.8	1510.4	1392.1	1187.5	996.4	809.6	622.8	443.6	320.3	199.6
0°	2798.2	1664.0	1550.8	1431.0	1211.2	1013.3	829.8	644.1	456.1	327.5	203.3
-2.5°	2793.5	1695.2	1583.9	1468.6	1255.1	1038.2	842.8	655.3	469.3	337.5	210.7
-5°	2745.8	1722.6	1613.9	1500.3	1291.9	1057.5	851.6	662.8	480.0	345.4	216.9
-7.5°	2686.8	1753.4	1642.2	1525.9	1320.2	1070.5	855.9	666.8	488.1	351.2	221.7
-10°	2589.4	1783.6	1668.4	1538.1	1326.0	1078.2	857.4	667.5	493.6	354.6	225.1
-12.5°	2469.2	1811.3	1690.7	1543.2	1323.0	1081.9	863.1	666.7	495.7	355.7	226.8
-15°	2309.3	1848.3	1718.0	1541.7	1314.2	1080.5	862.6	662.1	491.8	353.1	226.8
-17.5°	2083.8	1876.0	1743.9	1536.4	1300.7	1074.3	855.3	652.2	484.9	346.6	224.5
-20°	2056.9	1901.6	1758.3	1519.8	1281.7	1060.9	840.9	637.0	475.0	337.8	220.2



REPORT NUMBER: P701466 (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°
-22.5°	2075.6	1930.7	1751.5	1491.9	1258.4	1041.1	820.3	616.7	462.1	326.9	214.5
-25°	2079.5	1958.4	1741.3	1476.8	1231.5	1013.6	796.3	596.8	446.3	313.8	207.3
-27.5°	2078.0	1953.4	1725.6	1444.8	1201.9	979.6	769.7	582.7	433.2	298.6	198.7
-30°	2073.0	1900.9	1670.0	1398.3	1161.1	941.3	738.7	565.3	418.6	286.4	188.6
-32.5°	2044.4	1842.2	1598.5	1345.7	1112.5	898.1	704.5	544.0	400.8	276.1	182.2
-35°	1969.3	1762.5	1525.4	1285.0	1058.9	856.3	671.0	518.9	379.8	263.3	176.9
-37.5°	1887.2	1663.4	1451.3	1218.9	1000.1	809.5	639.9	491.6	355.6	247.9	170.7
-40°	1768.2	1555.4	1353.5	1144.7	939.9	757.2	604.0	461.1	333.7	230.0	163.1
-42.5°	1643.5	1442.3	1250.2	1057.2	875.2	710.0	563.5	426.3	310.3	216.5	154.0
-45°	1517.1	1325.5	1142.4	971.1	806.0	657.2	519.7	388.8	283.8	204.3	147.0
-47.5°	1383.5	1205.4	1037.2	879.2	740.4	599.2	468.9	355.3	254.6	190.4	144.2
-50°	1245.9	1082.8	930.7	793.6	665.5	536.6	416.1	318.3	236.3	174.6	140.8
-52.5°	1106.6	959.0	829.0	707.9	587.1	468.3	368.2	278.8	216.3	166.3	137.0
-55°	964.6	844.6	731.5	617.9	504.7	407.1	317.1	252.3	194.5	161.0	132.8
-57.5°	841.3	736.0	629.0	523.3	429.7	345.5	277.7	224.4	184.0	155.2	130.1
-60°	719.6	620.7	521.7	437.6	358.4	294.0	245.1	201.5	176.4	149.3	127.0
-62.5°	593.0	505.1	428.8	355.7	300.5	255.1	215.2	191.1	167.9	144.9	123.6
-65°	474.3	403.9	338.7	296.8	255.5	221.4	202.3	180.2	160.7	140.1	119.7
-67.5°	360.9	322.1	283.5	245.9	224.1	206.4	188.7	171.1	153.8	134.8	115.6
-70°	296.0	261.4	239.2	222.9	207.0	191.4	177.8	162.7	146.5	129.7	111.3
-72.5°	249.9	233.9	218.7	204.2	191.8	179.3	167.1	154.0	139.6	124.2	106.6
-75°	225.5	212.6	201.0	189.6	178.2	167.0	156.9	145.6	132.4	118.5	101.8
-77.5°	206.7	195.4	185.0	175.1	165.5	156.2	146.9	137.0	124.8	112.2	96.7
-80°	188.7	179.3	170.3	161.4	153.3	145.3	136.5	127.7	116.7	105.6	91.4
-82.5°	171.6	163.5	155.3	147.1	139.9	132.5	125.3	118.0	108.4	98.8	86.3
-85°	153.8	146.9	139.6	132.3	126.0	119.6	114.5	109.1	101.2	93.1	82.1
-87.5°	139.3	133.6	127.8	122.0	117.0	112.1	107.0	101.9	94.6	87.3	77.6
-90°	4.4	4.4	4.4	4.4	4.4	4.4	5.0	5.5	5.5	5.5	5.5



REPORT NUMBER: P701466 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	64.8	53.8	42.9	30.2	17.6	11.5	5.5
87.5°	5.8	5.7	5.7	5.7	5.7	5.6	5.5
85°	6.1	6.0	5.9	5.9	5.9	5.8	5.5
82.5°	6.4	6.2	6.1	6.1	6.1	5.9	5.5
80°	6.6	6.4	6.3	6.4	6.3	6.1	5.5
77.5°	6.9	6.7	6.5	6.6	6.5	6.2	5.5
75°	7.2	7.1	6.7	6.8	6.7	6.4	5.5
72.5°	7.6	7.5	7.1	7.1	6.9	6.5	5.5
70°	8.0	7.9	7.5	7.3	7.1	6.7	5.5
67.5°	8.6	8.3	7.9	7.6	7.3	6.8	5.5
65°	9.3	8.8	8.3	7.9	7.5	6.9	5.5
62.5°	10.0	9.5	8.7	8.2	7.8	7.1	5.5
60°	10.7	10.1	9.1	8.5	8.0	7.2	5.5
57.5°	12.5	10.8	9.8	8.7	8.3	7.4	5.5
55°	14.5	11.5	10.6	9.0	8.6	7.5	5.5
52.5°	16.7	12.4	11.4	9.3	9.0	7.6	5.5
50°	19.1	14.8	12.3	9.6	9.4	7.8	5.5
47.5°	21.7	17.2	13.2	10.0	9.8	7.9	5.5
45°	25.2	19.7	14.2	10.7	10.2	8.1	5.5
42.5°	28.8	22.2	15.3	11.5	10.6	8.2	5.5
40°	32.6	24.9	16.8	12.6	11.1	8.3	5.5
37.5°	36.7	27.6	18.9	13.9	11.6	8.5	5.5
35°	40.9	30.7	21.0	15.2	12.1	8.6	5.5
32.5°	46.4	34.1	23.1	16.6	12.7	8.7	5.5
30°	54.5	37.4	25.1	18.1	13.2	8.8	5.5
27.5°	62.6	40.8	27.8	19.5	13.8	9.0	5.5
25°	70.5	44.1	30.5	21.0	14.4	9.1	5.5
22.5°	78.2	47.5	33.0	22.5	14.9	9.2	5.5
20°	85.8	51.0	35.5	24.0	15.5	9.3	5.5
17.5°	92.6	54.4	37.9	25.6	16.1	9.4	5.5
15°	98.8	57.7	40.2	27.1	16.7	9.5	5.5
12.5°	104.4	60.8	42.4	28.5	17.3	9.6	5.5
10°	109.5	63.7	44.5	30.0	17.8	9.6	5.5
7.5°	114.1	66.5	46.5	31.4	18.4	9.7	5.5
5°	118.0	69.1	48.3	32.7	18.9	9.8	5.5
2.5°	121.4	71.4	50.1	34.0	19.3	9.8	5.5
0°	124.2	73.6	51.7	35.2	19.8	9.9	5.5
-2.5°	128.2	76.7	54.0	36.7	20.8	10.3	5.5
-5°	131.5	79.5	56.1	38.2	21.8	10.7	5.5
-7.5°	134.3	82.1	58.0	39.5	22.8	11.2	5.5
-10°	136.3	84.4	59.9	40.8	23.7	11.5	5.5
-12.5°	137.7	86.5	61.5	42.0	24.5	11.9	5.5
-15°	138.4	88.3	63.0	43.0	25.3	12.3	5.5
-17.5°	138.4	89.9	64.3	44.0	26.1	12.6	5.5
-20°	137.8	91.1	65.5	44.8	26.7	12.9	5.5



REPORT NUMBER: P701466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-2S-VHE-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	136.7	92.0	66.4	45.6	27.3	13.2	5.5
-25°	134.9	92.8	67.2	46.2	27.8	13.5	5.5
-27.5°	132.2	93.4	67.7	46.7	28.3	13.8	5.5
-30°	128.7	93.7	68.1	47.2	28.7	14.0	5.5
-32.5°	124.4	93.7	68.6	47.5	29.0	14.2	5.5
-35°	122.6	93.4	69.0	47.7	29.2	14.4	5.5
-37.5°	121.9	93.1	69.1	47.8	29.3	14.5	5.5
-40°	120.8	93.1	69.1	47.7	29.4	14.7	5.5
-42.5°	119.4	92.8	69.0	47.7	29.4	14.8	5.5
-45°	117.5	92.3	69.0	47.6	29.3	14.8	5.5
-47.5°	115.2	91.5	68.8	47.5	29.1	14.9	5.5
-50°	113.6	90.6	68.3	47.2	28.9	14.9	5.5
-52.5°	112.0	89.4	67.7	46.9	28.5	14.8	5.5
-55°	110.1	88.1	67.0	46.4	28.1	14.8	5.5
-57.5°	107.8	86.7	66.0	45.8	27.6	14.7	5.5
-60°	105.4	85.0	64.9	45.1	27.0	14.6	5.5
-62.5°	102.8	83.0	63.6	44.2	26.6	14.5	5.5
-65°	99.8	80.8	62.2	43.2	26.1	14.3	5.5
-67.5°	96.6	78.4	60.6	42.1	25.5	14.1	5.5
-70°	93.1	75.9	58.8	40.9	24.8	13.9	5.5
-72.5°	89.5	73.1	56.9	39.8	24.1	13.7	5.5
-75°	85.8	70.2	54.8	38.7	23.3	13.4	5.5
-77.5°	81.8	67.1	53.1	37.5	22.5	13.2	5.5
-80°	77.6	64.4	51.2	36.2	21.6	12.9	5.5
-82.5°	74.5	61.9	49.3	34.9	20.6	12.6	5.5
-85°	71.4	59.4	47.3	33.4	19.7	12.2	5.5
-87.5°	68.2	56.7	45.1	31.9	18.6	11.9	5.5
-90°	5.5	5.5	5.5	5.5	5.5	5.5	5.5

(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

