

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: P701338 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 8/29/2023

Test Information

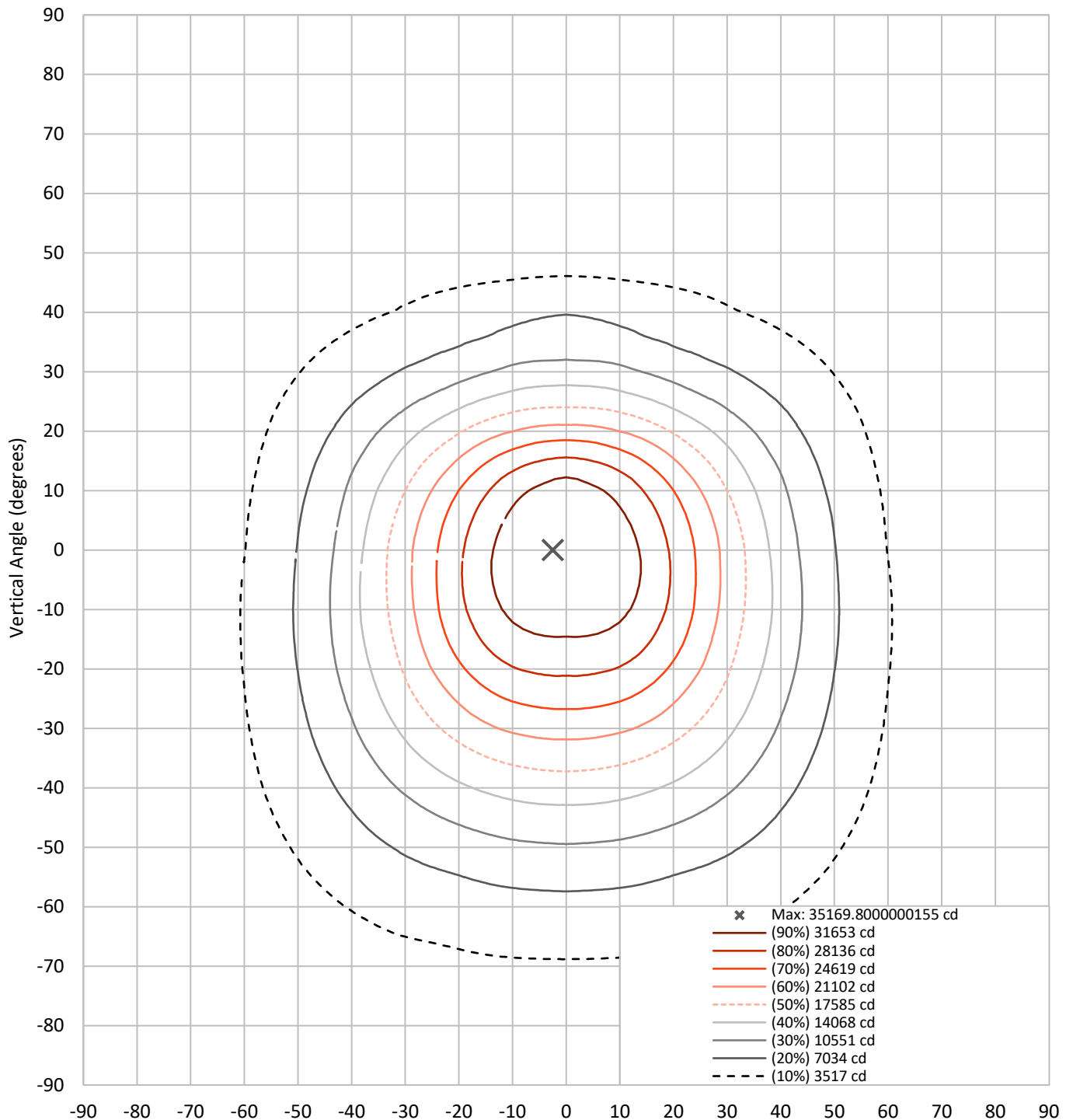
Test Method: LM-79-08
Report Number: P701338 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-6)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-70-7F-VHE-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	46788.8 lumens	Max Intensity:	35169.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	135.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	66.6°H x 61.2°V	Field Angle (10%):	119.6°H x 114.9°V
Beam Lumens:	25404 lumens	Field Lumens:	43845.3 lumens
Beam Efficiency:	54.3%	Field Efficiency:	93.7%
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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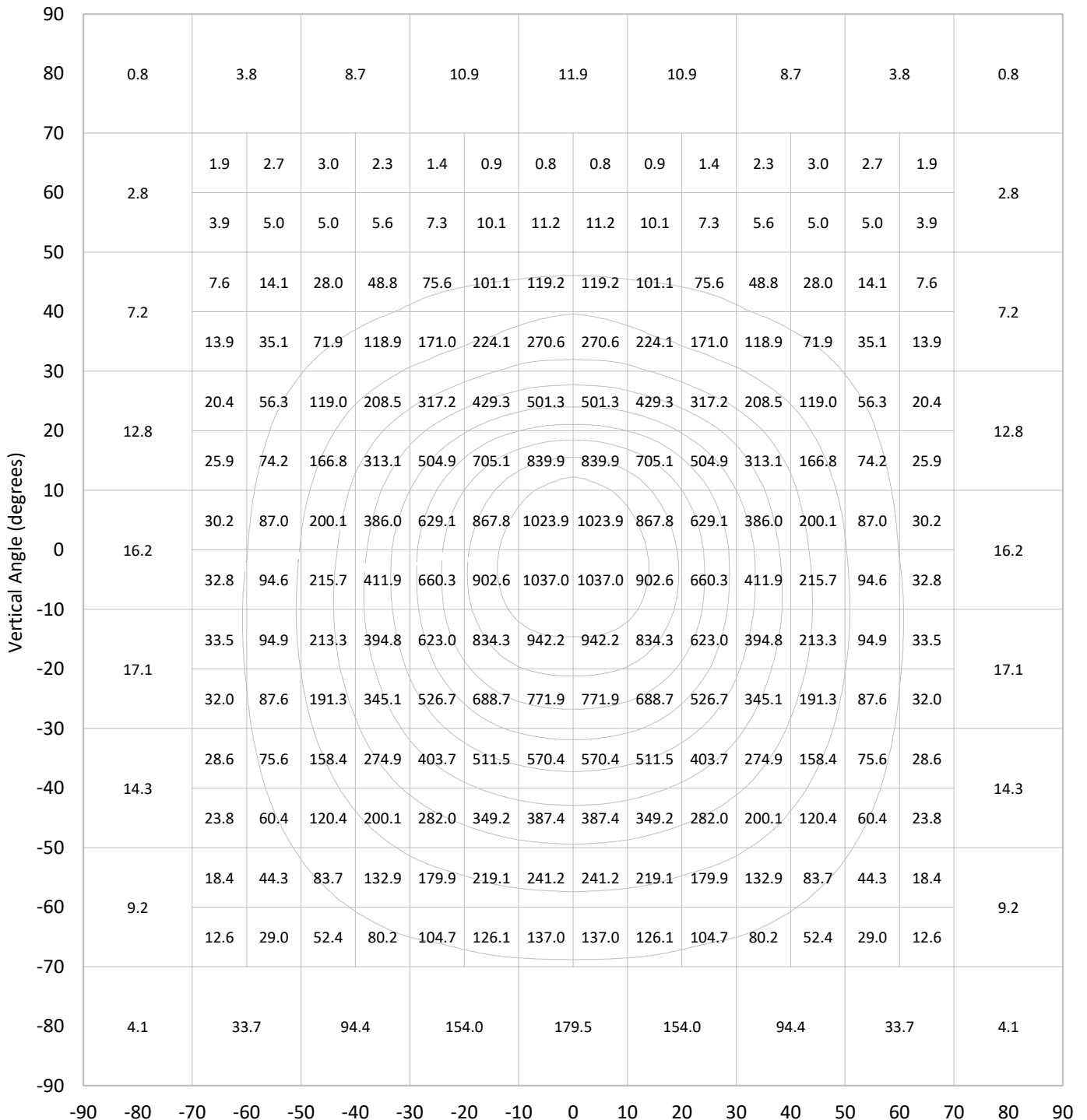
Iso-Candela Plot





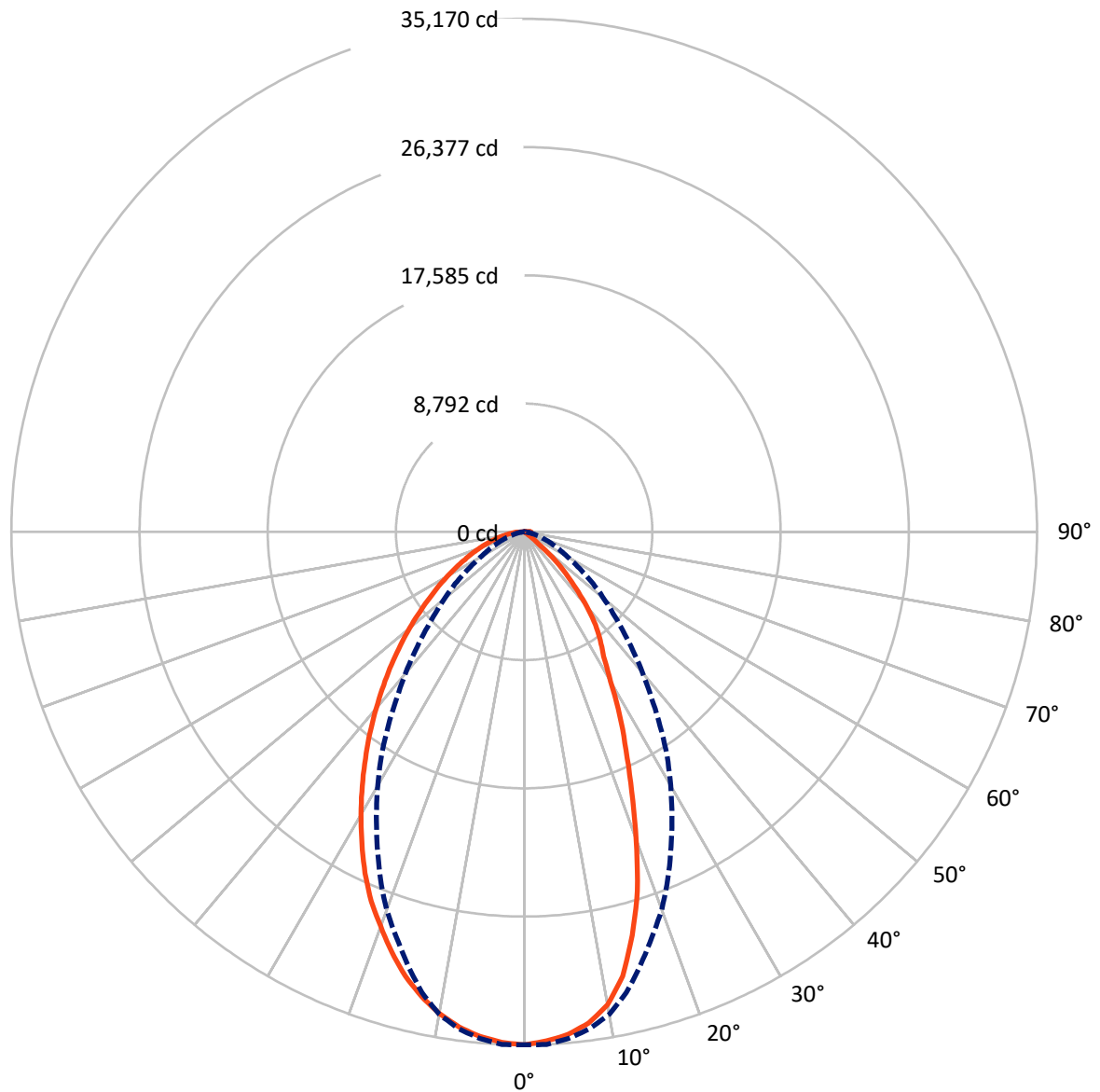
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Lumen Table



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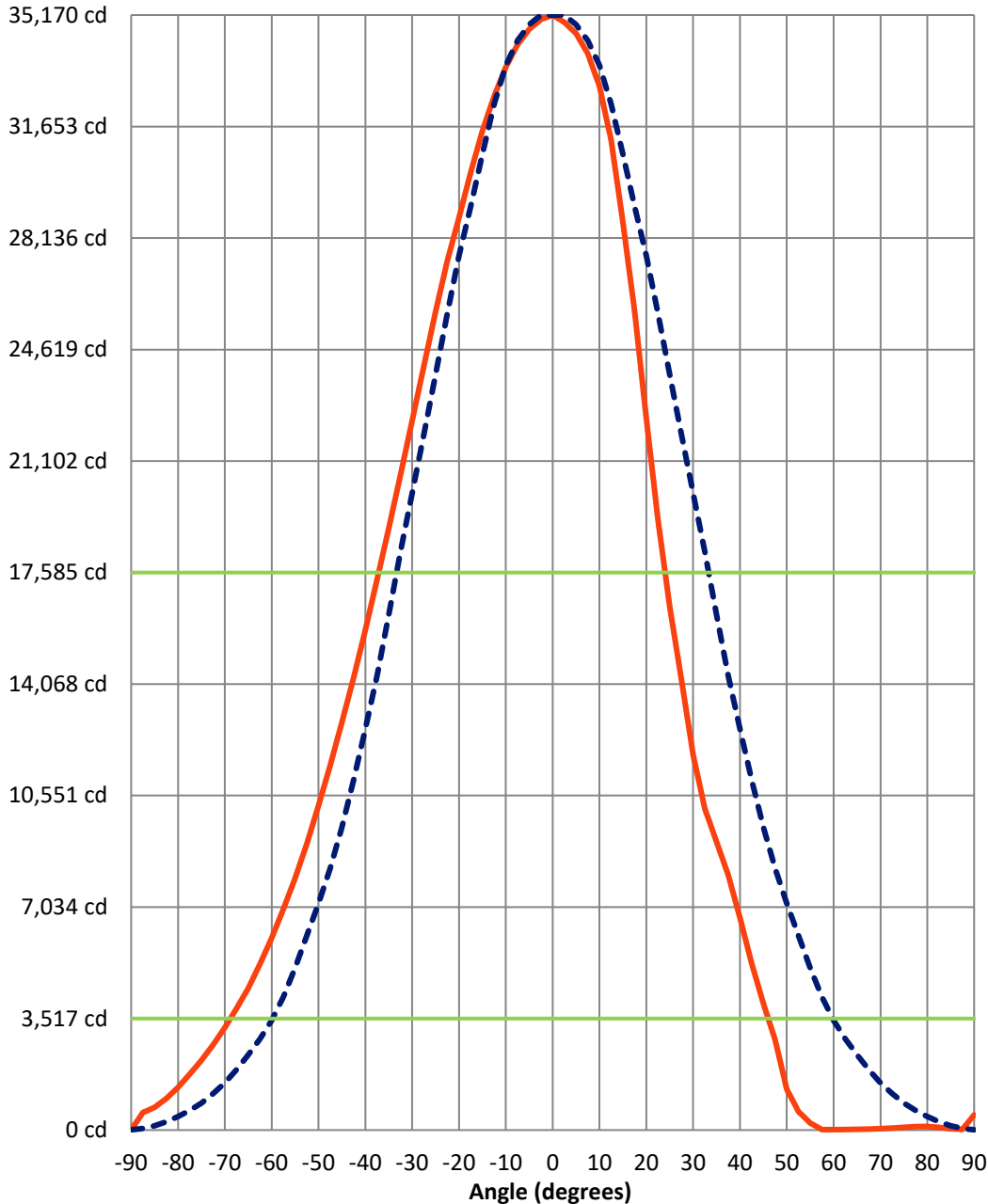
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 66.6°
 V Angle: 61.2°
 Lumens: 25404
 Efficiency: 54.3%

Field:
 H Angle: 119.6°
 V Angle: 114.9°
 Lumens: 43845.3
 Efficiency: 93.7%

Spill:
 Lumens: 2943.5
 Efficiency: 6.3%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.7	26.8	45.9	71.1	96.3	121.4	146.6	164.9	183.3	201.6	219.9
87.5°	7.7	9.8	11.2	12.1	12.9	13.5	13.9	13.9	13.7	13.3	12.8
85°	7.7	11.3	13.6	15.4	16.9	18.1	19.0	19.2	19.1	18.7	17.9
82.5°	7.7	12.8	15.9	18.7	21.0	22.8	24.1	24.6	25.0	26.8	28.3
80°	7.7	14.3	18.3	22.0	25.1	27.5	29.7	33.5	36.8	39.6	41.8
77.5°	7.7	15.8	20.7	25.3	29.2	34.0	39.6	44.3	48.6	52.3	54.0
75°	7.7	17.3	23.1	28.6	34.2	44.1	49.6	55.1	60.7	64.4	62.6
72.5°	7.7	18.8	25.6	31.9	43.7	54.4	60.0	67.2	75.4	77.0	72.3
70°	7.7	20.3	28.0	36.0	53.3	64.8	71.4	83.5	90.7	90.8	92.9
67.5°	7.7	21.8	30.5	44.1	62.9	75.3	88.9	100.3	107.1	116.4	117.1
65°	7.7	23.3	33.0	52.2	72.5	89.2	106.9	117.7	133.8	143.1	145.0
62.5°	7.7	24.7	35.5	60.2	82.3	106.4	125.3	141.8	161.5	172.6	179.9
60°	7.7	26.2	38.0	68.2	92.1	123.8	144.3	168.9	190.0	209.9	217.0
57.5°	7.7	27.6	43.8	76.2	107.1	141.5	170.5	197.1	226.0	248.9	260.4
55°	7.7	29.0	49.6	84.1	122.4	159.5	198.0	227.3	264.9	291.4	309.0
52.5°	7.7	30.4	55.2	92.0	137.8	178.8	226.0	265.3	305.1	341.8	361.2
50°	7.7	31.7	60.8	99.9	153.1	203.3	254.5	305.0	348.9	394.9	426.8
47.5°	7.7	33.1	66.3	108.6	168.5	228.0	284.4	345.6	400.2	450.7	499.2
45°	7.7	34.4	71.7	120.2	183.9	252.8	320.2	386.9	455.5	522.7	577.6
42.5°	7.7	35.7	76.9	131.6	199.2	277.6	356.3	433.7	512.7	599.1	682.8
40°	7.7	36.9	82.0	142.9	216.6	302.4	392.6	484.6	575.0	679.1	799.9
37.5°	7.7	38.1	87.0	153.9	235.9	327.1	428.9	536.2	644.6	764.7	925.2
35°	7.7	39.3	91.8	164.6	254.8	354.8	465.3	588.3	713.6	864.4	1065.0
32.5°	7.7	40.5	96.4	174.8	273.4	383.7	503.5	640.8	781.8	960.1	1188.1
30°	7.7	41.6	100.8	184.7	291.5	412.0	546.1	694.5	849.0	1051.5	1303.5
27.5°	7.7	42.6	105.1	194.1	308.0	439.8	588.2	750.5	919.3	1138.5	1411.1
25°	7.7	43.6	109.1	203.0	323.7	466.9	629.6	805.1	993.3	1227.4	1511.3
22.5°	7.7	44.6	112.9	211.5	338.5	492.0	670.1	857.9	1063.3	1313.1	1616.5
20°	7.7	45.5	116.5	219.4	352.4	512.8	709.5	908.9	1129.2	1392.1	1715.9
17.5°	7.7	46.3	119.9	226.8	365.4	532.0	740.4	957.8	1190.9	1464.4	1808.9
15°	7.7	47.1	123.0	233.7	377.4	549.6	764.4	998.8	1248.4	1530.1	1895.1
12.5°	7.7	47.8	125.8	239.9	388.4	565.6	785.6	1030.9	1298.9	1589.3	1974.2
10°	7.7	48.4	128.4	245.6	398.4	579.9	804.1	1060.7	1344.4	1658.8	2054.8
7.5°	7.7	49.0	130.7	250.6	407.2	592.4	819.7	1087.9	1386.5	1727.6	2146.6
5°	7.7	49.5	132.7	254.9	414.9	603.1	832.6	1112.0	1424.8	1792.5	2230.6
2.5°	7.7	49.9	134.3	258.5	421.4	612.1	842.6	1132.8	1458.7	1852.3	2306.2
0°	7.7	50.3	135.7	261.5	426.7	619.2	850.0	1149.8	1487.8	1905.7	2372.9
-2.5°	7.7	51.3	137.8	265.5	433.7	630.7	870.4	1178.0	1524.1	1943.2	2415.1
-5°	7.7	52.2	139.5	268.7	439.3	640.3	887.9	1201.9	1554.8	1973.2	2447.6
-7.5°	7.7	53.0	141.0	271.1	443.6	647.8	902.1	1221.1	1579.5	1995.8	2470.3
-10°	7.7	53.7	142.0	272.7	446.4	653.1	912.8	1235.5	1598.1	2011.2	2483.2
-12.5°	7.7	54.4	142.7	273.6	447.8	656.2	919.8	1244.9	1610.4	2019.9	2493.4
-15°	7.7	54.9	143.1	273.6	447.6	656.9	922.8	1249.0	1614.6	2023.4	2495.8
-17.5°	7.7	55.4	143.1	272.8	445.9	655.2	921.5	1246.1	1609.9	2018.1	2486.6
-20°	7.7	55.7	142.8	271.1	442.6	651.1	916.5	1236.9	1598.1	2003.7	2465.3



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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°	7.7	55.9	142.1	268.6	437.7	644.3	908.4	1222.8	1579.1	1980.0	2432.0
-25°	7.7	56.1	141.1	265.2	431.2	637.7	896.8	1203.7	1552.6	1947.0	2386.3
-27.5°	7.7	56.1	139.7	260.9	423.0	629.5	881.6	1179.8	1518.7	1907.0	2341.4
-30°	7.7	56.1	137.9	255.8	413.5	618.6	862.9	1150.9	1483.0	1862.8	2286.0
-32.5°	7.7	55.9	135.8	249.8	404.8	604.9	840.7	1123.4	1444.8	1809.7	2219.4
-35°	7.7	55.6	133.4	242.9	394.3	588.5	819.9	1093.6	1401.1	1747.6	2141.8
-37.5°	7.7	55.3	130.6	235.2	382.1	570.9	797.7	1059.7	1351.9	1676.6	2061.3
-40°	7.7	54.8	127.5	226.6	368.2	553.9	771.9	1021.8	1297.2	1610.1	1976.5
-42.5°	7.7	54.2	124.0	217.8	355.3	534.6	742.6	980.0	1245.4	1544.2	1883.7
-45°	7.7	53.6	120.2	209.0	343.7	513.0	709.8	937.2	1192.9	1470.4	1785.5
-47.5°	7.7	52.8	116.1	199.4	330.7	489.1	673.5	894.4	1136.0	1388.9	1693.0
-50°	7.7	51.9	111.7	192.6	316.3	463.0	640.6	847.4	1072.3	1315.8	1591.1
-52.5°	7.7	50.9	106.9	186.2	300.7	434.8	606.0	796.2	1007.9	1236.4	1482.5
-55°	7.7	49.9	101.9	179.2	283.8	411.6	568.6	742.3	940.7	1150.8	1384.7
-57.5°	7.7	48.7	96.6	171.5	265.6	388.0	528.7	694.3	869.1	1066.0	1280.1
-60°	7.7	47.5	91.1	163.1	246.7	362.8	487.6	641.8	796.0	977.9	1172.4
-62.5°	7.7	46.1	88.2	154.1	233.6	336.1	454.1	585.9	729.7	885.2	1065.9
-65°	7.7	44.7	85.1	144.5	219.6	307.9	418.6	531.3	660.1	800.7	954.4
-67.5°	7.7	43.2	81.9	134.4	204.7	283.0	381.4	484.4	587.5	715.9	851.2
-70°	7.7	41.6	78.4	123.7	189.0	261.5	342.5	435.7	529.3	627.8	749.6
-72.5°	7.7	40.0	74.8	117.1	172.5	238.9	311.6	385.3	469.5	557.6	649.5
-75°	7.7	38.3	71.1	111.2	155.4	215.3	280.8	342.9	408.0	485.8	566.9
-77.5°	7.7	36.5	67.2	105.1	145.0	190.9	248.9	302.6	358.1	416.6	482.2
-80°	7.7	34.7	63.1	98.7	135.8	174.2	216.0	261.4	308.4	357.9	409.6
-82.5°	7.7	32.8	59.0	92.1	126.3	161.5	197.7	226.8	257.8	298.0	340.0
-85°	7.7	30.8	54.7	85.3	116.5	148.5	181.1	206.5	232.0	257.8	283.9
-87.5°	7.7	28.8	50.4	78.3	106.5	135.1	164.0	185.8	207.8	229.9	252.1
-90°	7.7	8.3	8.8	8.8	8.8	8.8	8.8	8.5	8.3	8.0	7.7



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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°	236.0	252.2	268.3	284.4	300.3	316.2	332.0	347.9	362.7	377.5	392.2
87.5°	13.1	13.4	13.7	14.0	13.4	12.8	12.0	11.2	12.1	13.1	14.2
85°	18.5	19.1	20.7	22.0	22.8	24.0	25.4	27.1	30.3	33.5	36.7
82.5°	30.8	32.9	34.3	35.3	38.3	42.1	46.1	49.8	53.5	56.9	60.2
80°	44.5	46.7	47.1	47.6	51.6	56.6	61.8	67.3	71.7	75.7	79.5
77.5°	54.5	55.7	57.2	58.8	64.0	71.2	78.4	85.7	91.0	95.3	99.2
75°	62.4	64.6	69.9	73.1	78.9	87.3	95.8	103.9	109.2	112.2	114.1
72.5°	75.2	82.7	87.4	89.1	94.8	104.7	113.6	121.5	125.6	125.0	122.4
70°	94.9	101.9	107.9	110.2	112.7	122.3	129.5	135.2	137.7	132.7	122.9
67.5°	116.1	126.9	132.4	132.8	129.3	137.7	144.1	143.3	138.9	128.1	115.2
65°	143.4	153.7	158.6	156.6	147.3	149.2	148.7	144.8	134.8	120.0	104.5
62.5°	174.0	183.2	187.1	181.9	164.9	157.6	153.4	143.4	128.2	113.6	99.0
60°	212.8	214.9	217.4	208.1	186.7	166.6	158.6	148.7	132.4	112.4	100.4
57.5°	256.5	249.5	250.6	240.2	215.5	179.6	176.0	163.3	149.6	123.2	110.9
55°	306.8	287.6	290.6	281.1	258.5	218.2	204.6	202.8	183.4	162.7	139.9
52.5°	367.1	341.0	340.3	338.8	326.6	291.9	260.6	282.4	294.6	271.5	286.2
50°	434.9	421.9	402.2	425.0	432.2	413.9	386.4	447.1	520.4	553.9	553.0
47.5°	524.9	517.2	500.2	541.5	593.1	640.3	651.7	761.5	872.4	994.9	1009.5
45°	630.9	650.4	640.7	728.4	838.8	965.9	1060.3	1166.8	1419.2	1565.6	1782.4
42.5°	748.6	805.4	857.2	940.1	1200.5	1362.3	1504.7	1772.0	2023.0	2235.2	2459.3
40°	900.0	974.8	1088.0	1313.2	1594.1	1781.3	2026.4	2331.0	2585.2	2824.8	3054.3
37.5°	1064.3	1189.2	1342.5	1665.2	1984.9	2219.4	2519.6	2821.7	3110.7	3379.6	3700.3
35°	1237.9	1404.3	1645.6	1982.9	2318.3	2645.0	2975.4	3311.9	3641.7	4010.1	4370.8
32.5°	1426.8	1619.6	1924.2	2282.4	2657.8	3037.4	3421.3	3814.0	4233.2	4662.8	5045.5
30°	1597.3	1859.5	2183.7	2572.2	2995.8	3431.8	3879.7	4331.8	4846.5	5355.0	5814.0
27.5°	1727.5	2079.2	2441.3	2870.6	3334.8	3821.1	4340.0	4900.1	5499.4	6082.3	6627.3
25°	1852.4	2248.3	2688.3	3169.0	3684.7	4231.4	4811.9	5438.9	6174.3	6857.3	7537.1
22.5°	1983.3	2418.7	2893.4	3459.7	4025.2	4647.4	5291.5	6013.2	6825.9	7633.4	8459.4
20°	2122.6	2594.9	3096.0	3693.1	4343.9	5057.3	5742.9	6582.9	7487.0	8425.3	9432.8
17.5°	2258.3	2757.0	3292.2	3921.6	4627.0	5426.0	6178.2	7134.4	8136.2	9209.4	10349.0
15°	2389.1	2904.6	3471.2	4131.8	4900.8	5749.1	6628.7	7676.5	8796.9	9981.7	11178.4
12.5°	2513.4	3037.9	3632.6	4322.5	5156.5	6063.0	7032.0	8133.9	9361.1	10670.7	11975.2
10°	2629.7	3156.9	3776.0	4492.9	5391.0	6362.3	7390.9	8542.8	9818.8	11168.1	12623.0
7.5°	2717.8	3255.7	3902.4	4642.1	5601.2	6641.2	7705.0	8901.2	10205.5	11610.9	13175.0
5°	2785.2	3336.0	4019.3	4814.3	5803.1	6872.0	7963.4	9206.7	10522.6	11991.9	13651.5
2.5°	2836.5	3403.9	4119.5	4974.3	5984.0	7029.2	8132.0	9407.2	10807.8	12347.7	14038.8
0°	2873.9	3458.1	4200.9	5111.2	6130.8	7144.9	8256.4	9552.8	11039.5	12648.8	14324.8
-2.5°	2937.5	3554.3	4314.8	5219.6	6222.4	7258.2	8416.7	9755.5	11259.3	12838.7	14571.4
-5°	2988.3	3633.4	4406.9	5301.1	6282.0	7332.4	8527.2	9896.5	11403.2	12966.7	14698.7
-7.5°	3025.2	3693.3	4476.0	5355.2	6321.8	7392.3	8604.4	9966.7	11457.1	13043.1	14718.6
-10°	3047.0	3721.6	4497.8	5371.3	6343.3	7424.6	8634.0	9977.0	11440.9	13025.1	14664.1
-12.5°	3055.2	3721.0	4491.0	5358.2	6326.8	7409.1	8610.5	9928.3	11356.6	12909.4	14525.1
-15°	3049.8	3701.9	4459.8	5315.7	6271.1	7344.2	8533.5	9821.9	11200.0	12673.6	14243.8
-17.5°	3030.7	3664.3	4403.6	5243.5	6175.3	7228.4	8396.1	9625.0	10975.0	12401.3	13886.4
-20°	2997.9	3608.1	4322.4	5141.5	6044.5	7076.3	8202.1	9391.7	10688.5	12076.4	13486.1



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

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2951.5	3533.5	4227.5	5026.6	5919.0	6903.5	7970.4	9111.0	10323.5	11688.7	13032.2
-25°	2898.3	3467.7	4128.1	4901.5	5760.5	6701.0	7699.1	8789.7	9934.1	11211.9	12512.2
-27.5°	2837.5	3387.6	4022.4	4751.5	5565.8	6476.0	7430.3	8454.0	9537.6	10686.5	11933.4
-30°	2762.4	3296.6	3895.6	4587.3	5368.7	6231.0	7148.6	8074.0	9100.5	10183.7	11326.6
-32.5°	2673.4	3186.7	3769.2	4428.0	5154.1	5947.5	6820.0	7699.9	8647.0	9649.5	10708.7
-35°	2578.1	3075.2	3628.3	4246.4	4918.7	5662.2	6459.0	7296.1	8167.0	9109.1	10040.8
-37.5°	2482.2	2947.6	3463.8	4054.2	4698.2	5358.7	6075.4	6871.7	7687.8	8520.8	9376.4
-40°	2374.3	2804.3	3300.1	3850.6	4433.7	5046.6	5718.1	6428.9	7187.7	7939.1	8706.1
-42.5°	2256.8	2672.1	3126.6	3617.8	4163.5	4733.8	5336.4	6001.6	6662.9	7345.4	8053.5
-45°	2145.2	2527.6	2942.0	3398.6	3880.8	4408.3	4970.6	5552.1	6147.4	6750.5	7395.2
-47.5°	2025.3	2377.7	2768.0	3163.7	3606.8	4084.2	4589.9	5113.1	5628.8	6181.8	6732.7
-50°	1900.5	2236.9	2573.2	2941.0	3334.6	3763.0	4221.7	4672.8	5144.4	5623.2	6119.9
-52.5°	1775.3	2087.8	2392.4	2714.3	3070.4	3450.8	3850.4	4253.5	4672.5	5094.1	5519.8
-55°	1640.1	1930.0	2206.4	2497.2	2809.4	3150.3	3488.7	3851.3	4214.5	4600.2	4950.0
-57.5°	1512.2	1759.4	2015.3	2281.0	2560.4	2850.6	3151.0	3454.5	3785.0	4117.6	4417.3
-60°	1386.2	1595.3	1818.8	2061.7	2311.8	2568.8	2817.8	3088.6	3368.3	3640.6	3914.8
-62.5°	1255.4	1440.6	1631.6	1837.8	2065.4	2286.8	2511.5	2739.7	2967.5	3209.2	3441.0
-65°	1126.4	1284.4	1453.7	1632.4	1815.3	2015.4	2213.0	2405.7	2609.2	2807.0	2999.1
-67.5°	991.7	1136.3	1281.3	1430.2	1593.8	1757.1	1921.5	2098.5	2270.4	2432.0	2594.9
-70°	871.3	987.7	1116.1	1247.4	1377.6	1511.6	1657.6	1803.9	1947.5	2085.3	2226.2
-72.5°	751.6	856.1	961.0	1066.1	1179.3	1292.1	1406.1	1521.0	1641.0	1761.2	1878.0
-75°	645.0	723.3	814.5	907.2	995.6	1081.8	1170.0	1267.6	1363.7	1458.0	1551.3
-77.5°	547.7	613.8	682.2	752.6	819.8	892.1	964.7	1037.5	1109.1	1179.2	1247.9
-80°	456.3	502.7	557.7	614.7	668.2	720.8	773.5	826.1	879.1	934.6	991.9
-82.5°	377.7	415.5	453.8	492.4	527.9	562.6	598.5	639.5	681.5	723.1	764.3
-85°	305.9	327.5	356.9	386.6	414.9	442.9	470.5	497.7	525.6	553.1	580.1
-87.5°	271.1	290.0	308.8	327.5	345.6	363.4	381.2	398.8	416.7	434.6	452.5
-90°	7.7	7.7	7.7	7.7	7.4	7.2	6.9	6.6	6.3	6.1	5.8



REPORT NUMBER: P701338 (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°
90°	407.0	411.7	416.3	421.0	425.6	436.5	447.5	458.4	469.3	471.8	474.3
87.5°	15.3	15.3	15.3	15.3	15.3	17.7	20.3	22.9	25.5	25.2	24.9
85°	39.8	40.3	40.6	40.6	40.4	43.8	47.2	50.5	53.7	51.6	49.1
82.5°	63.4	64.5	65.6	66.8	68.0	71.4	74.9	78.1	81.2	82.2	83.1
80°	83.0	85.1	86.7	88.0	88.9	91.9	95.1	98.1	101.0	104.1	107.2
77.5°	101.9	102.6	102.2	101.2	99.6	100.1	100.8	101.1	101.2	102.8	104.6
75°	115.1	113.6	109.1	103.9	98.0	94.5	91.8	89.1	86.2	85.7	85.9
72.5°	118.0	112.0	104.6	95.4	86.3	80.1	75.8	71.7	67.8	65.9	64.8
70°	111.8	100.3	90.3	80.4	70.8	63.7	59.4	55.6	52.0	49.7	48.1
67.5°	100.6	86.5	76.0	65.8	56.4	49.1	45.3	41.9	38.8	36.5	34.9
65°	89.3	74.2	64.1	54.4	44.9	37.7	34.8	32.0	29.3	27.2	26.1
62.5°	83.0	67.2	56.7	48.2	39.7	31.2	28.3	25.4	22.6	20.4	19.4
60°	85.3	67.3	54.6	46.7	37.8	28.2	24.5	21.8	18.9	16.2	15.3
57.5°	98.7	79.1	60.0	57.0	48.0	33.6	35.0	40.7	36.4	25.1	23.8
55°	150.9	146.0	95.6	123.7	143.9	135.5	126.6	167.6	187.5	188.6	207.1
52.5°	299.9	335.3	322.1	337.4	420.6	454.3	449.9	523.2	561.2	556.0	575.8
50°	631.4	703.9	793.1	807.4	947.0	1043.8	1067.1	1152.0	1246.2	1282.3	1322.9
47.5°	1232.3	1402.1	1488.2	1585.3	1746.0	1922.0	2058.4	2180.5	2312.8	2403.3	2512.5
45°	2007.3	2127.3	2277.2	2502.8	2748.0	2977.7	3193.4	3390.1	3519.7	3635.3	3758.0
42.5°	2644.9	2836.5	3088.0	3424.5	3773.3	4009.1	4186.6	4376.1	4578.7	4771.2	4948.8
40°	3297.8	3519.8	3918.8	4300.1	4560.4	4788.0	5030.9	5288.1	5552.9	5805.5	6056.8
37.5°	3997.5	4325.7	4675.0	5008.3	5283.7	5499.0	5831.9	6116.7	6382.1	6758.4	7103.5
35°	4742.1	5098.7	5398.9	5780.1	6088.0	6353.5	6701.9	7060.7	7290.4	7806.5	8253.2
32.5°	5482.8	5898.5	6298.7	6660.7	7042.8	7452.2	7791.3	8283.4	8657.7	9151.3	9636.6
30°	6254.6	6824.5	7324.0	7721.4	8241.9	8771.1	9246.8	9826.3	10378.1	10837.5	11351.8
27.5°	7228.6	7862.2	8471.4	9083.6	9639.7	10300.6	11057.8	11670.8	12377.2	12878.1	13416.0
25°	8261.9	9016.7	9826.9	10616.1	11345.6	12200.6	13059.1	13808.0	14540.2	15117.4	15692.2
22.5°	9385.6	10298.2	11262.6	12256.1	13242.3	14178.9	15100.5	16027.3	16871.3	17664.5	18217.2
20°	10526.7	11540.2	12711.3	13908.3	15043.9	16101.1	17208.5	18380.5	19452.9	20372.3	21053.1
17.5°	11556.1	12827.4	14115.4	15428.8	16709.4	18016.1	19390.1	20768.4	22038.2	23114.9	24018.7
15°	12483.5	13923.9	15415.0	16896.8	18369.5	19873.9	21479.4	22964.5	24387.7	25622.4	26679.2
12.5°	13398.0	14936.4	16534.8	18196.3	19942.2	21571.1	23205.6	24807.0	26298.5	27733.9	28792.5
10°	14207.3	15868.5	17579.7	19360.1	21168.4	22935.5	24658.5	26327.8	27793.3	29148.5	30429.3
7.5°	14866.8	16648.3	18474.7	20347.3	22208.4	23997.8	25752.6	27420.8	28908.2	30297.1	31606.7
5°	15435.6	17325.1	19210.1	21076.1	22948.8	24804.8	26576.4	28221.4	29770.7	31214.0	32526.5
2.5°	15899.8	17870.0	19779.9	21617.8	23482.9	25382.7	27199.1	28788.2	30407.7	31875.7	33167.5
0°	16248.0	18236.9	20085.8	21940.1	23828.4	25749.4	27576.4	29133.1	30781.8	32350.6	33579.2
-2.5°	16438.5	18310.7	20150.9	22011.4	23956.5	25932.6	27757.1	29435.0	31074.2	32544.8	33687.0
-5°	16504.7	18346.4	20180.0	22074.0	24002.3	25947.3	27765.6	29447.9	31022.1	32397.6	33439.3
-7.5°	16460.3	18283.9	20099.1	21974.5	23890.6	25812.4	27601.4	29210.6	30726.6	32029.4	33023.5
-10°	16326.2	18092.1	19908.0	21752.6	23672.7	25570.1	27323.3	28775.1	30222.5	31444.8	32384.7
-12.5°	16104.7	17795.4	19586.3	21389.9	23273.9	25097.7	26731.4	28177.0	29470.3	30708.4	31531.1
-15°	15790.2	17420.4	19132.6	20898.8	22683.6	24448.0	26041.0	27438.2	28636.3	29612.9	30479.4
-17.5°	15395.9	16968.8	18609.5	20301.9	21959.3	23638.0	25114.2	26514.4	27666.9	28536.3	29208.6
-20°	14910.5	16436.9	18005.9	19621.8	21161.7	22589.4	24012.5	25314.5	26453.7	27303.8	27950.0



REPORT NUMBER: P701338 (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°	14398.2	15838.2	17324.7	18781.7	20184.1	21526.2	22815.1	24010.0	25093.2	25897.0	26515.4
-25°	13815.2	15162.0	16536.4	17852.2	19133.0	20382.6	21550.8	22658.1	23603.7	24385.6	24959.7
-27.5°	13176.8	14430.8	15671.3	16895.1	18083.4	19163.6	20238.5	21238.0	22069.6	22788.7	23297.1
-30°	12479.1	13625.9	14788.5	15935.7	16963.7	17936.7	18891.8	19759.4	20521.6	21153.1	21609.1
-32.5°	11743.3	12791.1	13869.5	14906.7	15808.2	16686.1	17518.8	18279.4	18978.4	19536.3	19947.5
-35°	10982.6	11953.3	12921.7	13818.6	14658.8	15439.7	16157.3	16831.4	17410.5	17919.0	18322.2
-37.5°	10234.4	11108.7	11949.1	12732.2	13508.5	14224.7	14851.5	15443.0	15969.5	16393.6	16747.0
-40°	9500.5	10274.4	10990.0	11687.1	12380.7	12986.9	13556.1	14066.2	14532.1	14937.3	15251.3
-42.5°	8771.1	9437.5	10055.1	10682.4	11282.2	11807.9	12303.5	12745.5	13149.7	13512.9	13817.3
-45°	8039.0	8609.0	9158.6	9710.1	10208.1	10676.4	11107.2	11495.5	11856.6	12162.4	12412.1
-47.5°	7291.2	7796.8	8296.2	8774.0	9187.2	9591.8	9962.7	10311.5	10636.9	10911.9	11132.4
-50°	6577.2	7024.1	7471.2	7866.3	8213.6	8550.6	8864.4	9201.2	9502.4	9752.9	9935.2
-52.5°	5906.9	6311.0	6695.3	7018.8	7312.5	7575.6	7816.6	8129.5	8413.0	8659.1	8820.7
-55°	5296.4	5642.3	5971.7	6239.0	6484.2	6703.6	6922.4	7173.9	7402.8	7607.5	7742.6
-57.5°	4721.8	5015.0	5289.1	5514.1	5718.6	5902.0	6105.2	6315.4	6503.1	6664.7	6773.5
-60°	4177.0	4426.5	4653.9	4839.0	5009.0	5163.4	5356.8	5540.2	5702.5	5834.2	5915.5
-62.5°	3663.1	3886.9	4063.7	4212.5	4348.3	4478.4	4647.4	4805.9	4952.2	5069.1	5137.1
-65°	3192.6	3388.6	3519.9	3637.8	3744.8	3862.0	4005.7	4134.6	4248.9	4335.7	4394.8
-67.5°	2763.6	2918.7	3022.3	3115.9	3207.5	3307.9	3429.8	3542.4	3645.3	3716.8	3760.9
-70°	2364.1	2483.6	2567.6	2647.2	2723.7	2809.7	2909.6	3002.6	3088.5	3144.0	3179.3
-72.5°	1991.3	2082.4	2151.8	2220.3	2282.0	2355.7	2437.2	2513.5	2584.4	2626.1	2652.9
-75°	1643.5	1713.4	1770.2	1822.8	1871.0	1933.0	1999.0	2060.9	2118.6	2150.4	2171.1
-77.5°	1321.0	1374.5	1417.3	1456.5	1492.0	1541.2	1592.0	1639.7	1684.1	1712.5	1735.2
-80°	1047.9	1080.2	1106.5	1131.0	1153.6	1190.4	1227.6	1262.7	1295.6	1314.1	1328.8
-82.5°	804.9	824.5	840.2	853.9	865.7	891.3	916.9	941.1	963.9	975.8	986.0
-85°	606.7	617.3	626.2	634.1	641.0	658.9	676.5	693.4	709.8	713.3	715.7
-87.5°	470.4	476.1	481.6	486.9	492.0	505.2	518.3	531.4	544.3	546.6	548.6
-90°	5.5	5.2	5.0	4.7	4.4	4.1	3.9	3.6	3.3	3.0	2.8



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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°	476.7	479.2	477.6	475.9	477.6	479.2	476.7	474.3	471.8	469.3	458.4
87.5°	24.5	24.0	24.1	24.1	24.1	24.0	24.5	24.9	25.2	25.5	22.9
85°	46.5	43.7	41.6	39.4	41.6	43.7	46.5	49.1	51.6	53.7	50.5
82.5°	84.0	84.8	84.6	84.2	84.6	84.8	84.0	83.1	82.2	81.2	78.1
80°	110.3	113.3	114.2	114.9	114.2	113.3	110.3	107.2	104.1	101.0	98.1
77.5°	106.4	108.3	108.9	109.4	108.9	108.3	106.4	104.6	102.8	101.2	101.1
75°	86.3	86.8	86.5	86.4	86.5	86.8	86.3	85.9	85.7	86.2	89.1
72.5°	63.8	63.1	62.6	62.4	62.6	63.1	63.8	64.8	65.9	67.8	71.7
70°	46.7	45.5	44.5	43.8	44.5	45.5	46.7	48.1	49.7	52.0	55.6
67.5°	33.5	32.3	31.3	30.6	31.3	32.3	33.5	34.9	36.5	38.8	41.9
65°	25.2	24.5	23.7	23.0	23.7	24.5	25.2	26.1	27.2	29.3	32.0
62.5°	18.6	17.9	17.6	17.5	17.6	17.9	18.6	19.4	20.4	22.6	25.4
60°	14.4	13.5	13.2	13.1	13.2	13.5	14.4	15.3	16.2	18.9	21.8
57.5°	21.5	18.4	16.6	15.3	16.6	18.4	21.5	23.8	25.1	36.4	40.7
55°	217.0	217.6	222.0	226.5	222.0	217.6	217.0	207.1	188.6	187.5	167.6
52.5°	591.0	589.0	583.7	573.3	583.7	589.0	591.0	575.8	556.0	561.2	523.2
50°	1347.2	1328.2	1287.0	1228.6	1287.0	1328.2	1347.2	1322.9	1282.3	1246.2	1152.0
47.5°	2659.6	2769.6	2845.7	2879.4	2845.7	2769.6	2659.6	2512.5	2403.3	2312.8	2180.5
45°	3885.8	3951.1	3989.1	4019.3	3989.1	3951.1	3885.8	3758.0	3635.3	3519.7	3390.1
42.5°	5099.9	5203.3	5254.3	5245.7	5254.3	5203.3	5099.9	4948.8	4771.2	4578.7	4376.1
40°	6298.2	6514.7	6692.4	6820.0	6692.4	6514.7	6298.2	6056.8	5805.5	5552.9	5288.1
37.5°	7444.7	7767.1	8039.4	8236.7	8039.4	7767.1	7444.7	7103.5	6758.4	6382.1	6116.7
35°	8618.7	8903.0	9089.6	9171.0	9089.6	8903.0	8618.7	8253.2	7806.5	7290.4	7060.7
32.5°	9946.0	10104.0	10137.5	10222.3	10137.5	10104.0	9946.0	9636.6	9151.3	8657.7	8283.4
30°	11665.0	11829.2	11833.2	11939.9	11833.2	11829.2	11665.0	11351.8	10837.5	10378.1	9826.3
27.5°	13840.1	14116.6	14206.4	14300.7	14206.4	14116.6	13840.1	13416.0	12878.1	12377.2	11670.8
25°	16169.1	16426.9	16509.4	16477.8	16509.4	16426.9	16169.1	15692.2	15117.4	14540.2	13808.0
22.5°	18783.3	19117.5	19239.1	19177.8	19239.1	19117.5	18783.3	18217.2	17664.5	16871.3	16027.3
20°	21709.2	22191.6	22446.5	22561.5	22446.5	22191.6	21709.2	21053.1	20372.3	19452.9	18380.5
17.5°	24788.9	25499.6	25826.0	25922.3	25826.0	25499.6	24788.9	24018.7	23114.9	22038.2	20768.4
15°	27590.5	28211.2	28634.4	28852.0	28634.4	28211.2	27590.5	26679.2	25622.4	24387.7	22964.5
12.5°	29756.9	30547.9	31207.2	31560.7	31207.2	30547.9	29756.9	28792.5	27733.9	26298.5	24807.0
10°	31522.7	32321.4	32921.0	33211.6	32921.0	32321.4	31522.7	30429.3	29148.5	27793.3	26327.8
7.5°	32744.5	33486.7	33952.2	34142.6	33952.2	33486.7	32744.5	31606.7	30297.1	28908.2	27420.8
5°	33534.2	34243.9	34587.9	34711.4	34587.9	34243.9	33534.2	32526.5	31214.0	29770.7	28221.4
2.5°	34102.8	34664.3	34939.8	34957.6	34939.8	34664.3	34102.8	33167.5	31875.7	30407.7	28788.2
0°	34362.5	34867.9	35169.8	35164.4	35169.8	34867.9	34362.5	33579.2	32350.6	30781.8	29133.1
-2.5°	34375.1	34814.8	35029.3	34908.4	35029.3	34814.8	34375.1	33687.0	32544.8	31074.2	29435.0
-5°	34129.9	34560.2	34721.1	34684.1	34721.1	34560.2	34129.9	33439.3	32397.6	31022.1	29447.9
-7.5°	33689.7	34071.6	34235.7	34241.0	34235.7	34071.6	33689.7	33023.5	32029.4	30726.6	29210.6
-10°	33018.5	33337.5	33525.6	33471.9	33525.6	33337.5	33018.5	32384.7	31444.8	30222.5	28775.1
-12.5°	32130.6	32445.5	32604.9	32572.7	32604.9	32445.5	32130.6	31531.1	30708.4	29470.3	28177.0
-15°	31068.4	31367.7	31517.1	31502.7	31517.1	31367.7	31068.4	30479.4	29612.9	28636.3	27438.2
-17.5°	29753.4	30053.4	30206.3	30227.1	30206.3	30053.4	29753.4	29208.6	28536.3	27666.9	26514.4
-20°	28375.3	28639.9	28779.9	28782.0	28779.9	28639.9	28375.3	27950.0	27303.8	26453.7	25314.5



REPORT NUMBER: P701338 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	26946.7	27243.8	27410.0	27384.9	27410.0	27243.8	26946.7	26515.4	25897.0	25093.2	24010.0
-25°	25354.4	25652.2	25813.8	25807.4	25813.8	25652.2	25354.4	24959.7	24385.6	23603.7	22658.1
-27.5°	23654.6	23940.7	24096.7	24116.1	24096.7	23940.7	23654.6	23297.1	22788.7	22069.6	21238.0
-30°	21942.3	22224.5	22377.3	22389.7	22377.3	22224.5	21942.3	21609.1	21153.1	20521.6	19759.4
-32.5°	20264.4	20519.2	20660.4	20675.5	20660.4	20519.2	20264.4	19947.5	19536.3	18978.4	18279.4
-35°	18627.5	18851.4	18978.1	19019.1	18978.1	18851.4	18627.5	18322.2	17919.0	17410.5	16831.4
-37.5°	17034.4	17236.7	17359.0	17433.9	17359.0	17236.7	17034.4	16747.0	16393.6	15969.5	15443.0
-40°	15495.5	15672.9	15770.4	15772.2	15770.4	15672.9	15495.5	15251.3	14937.3	14532.1	14066.2
-42.5°	14042.9	14192.2	14266.8	14267.9	14266.8	14192.2	14042.9	13817.3	13512.9	13149.7	12745.5
-45°	12613.1	12759.0	12862.4	12927.8	12862.4	12759.0	12613.1	12412.1	12162.4	11856.6	11495.5
-47.5°	11300.7	11420.4	11502.4	11547.1	11502.4	11420.4	11300.7	11132.4	10911.9	10636.9	10311.5
-50°	10068.8	10164.5	10234.5	10275.9	10234.5	10164.5	10068.8	9935.2	9752.9	9502.4	9201.2
-52.5°	8930.4	9000.3	9025.4	9009.1	9025.4	9000.3	8930.4	8820.7	8659.1	8413.0	8129.5
-55°	7843.9	7913.5	7941.3	7931.5	7941.3	7913.5	7843.9	7742.6	7607.5	7402.8	7173.9
-57.5°	6859.1	6920.9	6970.3	7000.5	6970.3	6920.9	6859.1	6773.5	6664.7	6503.1	6315.4
-60°	5979.4	6025.1	6056.1	6068.4	6056.1	6025.1	5979.4	5915.5	5834.2	5702.5	5540.2
-62.5°	5184.8	5213.2	5235.3	5244.6	5235.3	5213.2	5184.8	5137.1	5069.1	4952.2	4805.9
-65°	4442.0	4476.7	4472.5	4448.2	4472.5	4476.7	4442.0	4394.8	4335.7	4248.9	4134.6
-67.5°	3794.3	3816.8	3836.3	3846.5	3836.3	3816.8	3794.3	3760.9	3716.8	3645.3	3542.4
-70°	3206.2	3224.7	3231.6	3229.5	3231.6	3224.7	3206.2	3179.3	3144.0	3088.5	3002.6
-72.5°	2673.2	2686.7	2689.3	2684.7	2689.3	2686.7	2673.2	2652.9	2626.1	2584.4	2513.5
-75°	2185.7	2194.7	2199.2	2198.9	2199.2	2194.7	2185.7	2171.1	2150.4	2118.6	2060.9
-77.5°	1754.2	1769.3	1762.9	1751.5	1762.9	1769.3	1754.2	1735.2	1712.5	1684.1	1639.7
-80°	1340.8	1350.0	1345.0	1336.9	1345.0	1350.0	1340.8	1328.8	1314.1	1295.6	1262.7
-82.5°	994.8	1002.1	993.8	983.5	993.8	1002.1	994.8	986.0	975.8	963.9	941.1
-85°	717.5	718.6	717.9	716.6	717.9	718.6	717.5	715.7	713.3	709.8	693.4
-87.5°	550.5	552.2	550.8	549.2	550.8	552.2	550.5	548.6	546.6	544.3	531.4
-90°	2.5	2.2	2.8	3.3	2.8	2.2	2.5	2.8	3.0	3.3	3.6



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	447.5	436.5	425.6	421.0	416.3	411.7	407.0	392.2	377.5	362.7	347.9
87.5°	20.3	17.7	15.3	15.3	15.3	15.3	15.3	14.2	13.1	12.1	11.2
85°	47.2	43.8	40.4	40.6	40.6	40.3	39.8	36.7	33.5	30.3	27.1
82.5°	74.9	71.4	68.0	66.8	65.6	64.5	63.4	60.2	56.9	53.5	49.8
80°	95.1	91.9	88.9	88.0	86.7	85.1	83.0	79.5	75.7	71.7	67.3
77.5°	100.8	100.1	99.6	101.2	102.2	102.6	101.9	99.2	95.3	91.0	85.7
75°	91.8	94.5	98.0	103.9	109.1	113.6	115.1	114.1	112.2	109.2	103.9
72.5°	75.8	80.1	86.3	95.4	104.6	112.0	118.0	122.4	125.0	125.6	121.5
70°	59.4	63.7	70.8	80.4	90.3	100.3	111.8	122.9	132.7	137.7	135.2
67.5°	45.3	49.1	56.4	65.8	76.0	86.5	100.6	115.2	128.1	138.9	143.3
65°	34.8	37.7	44.9	54.4	64.1	74.2	89.3	104.5	120.0	134.8	144.8
62.5°	28.3	31.2	39.7	48.2	56.7	67.2	83.0	99.0	113.6	128.2	143.4
60°	24.5	28.2	37.8	46.7	54.6	67.3	85.3	100.4	112.4	132.4	148.7
57.5°	35.0	33.6	48.0	57.0	60.0	79.1	98.7	110.9	123.2	149.6	163.3
55°	126.6	135.5	143.9	123.7	95.6	146.0	150.9	139.9	162.7	183.4	202.8
52.5°	449.9	454.3	420.6	337.4	322.1	335.3	299.9	286.2	271.5	294.6	282.4
50°	1067.1	1043.8	947.0	807.4	793.1	703.9	631.4	553.0	553.9	520.4	447.1
47.5°	2058.4	1922.0	1746.0	1585.3	1488.2	1402.1	1232.3	1009.5	994.9	872.4	761.5
45°	3193.4	2977.7	2748.0	2502.8	2277.2	2127.3	2007.3	1782.4	1565.6	1419.2	1166.8
42.5°	4186.6	4009.1	3773.3	3424.5	3088.0	2836.5	2644.9	2459.3	2235.2	2023.0	1772.0
40°	5030.9	4788.0	4560.4	4300.1	3918.8	3519.8	3297.8	3054.3	2824.8	2585.2	2331.0
37.5°	5831.9	5499.0	5283.7	5008.3	4675.0	4325.7	3997.5	3700.3	3379.6	3110.7	2821.7
35°	6701.9	6353.5	6088.0	5780.1	5398.9	5098.7	4742.1	4370.8	4010.1	3641.7	3311.9
32.5°	7791.3	7452.2	7042.8	6660.7	6298.7	5898.5	5482.8	5045.5	4662.8	4233.2	3814.0
30°	9246.8	8771.1	8241.9	7721.4	7324.0	6824.5	6254.6	5814.0	5355.0	4846.5	4331.8
27.5°	11057.8	10300.6	9639.7	9083.6	8471.4	7862.2	7228.6	6627.3	6082.3	5499.4	4900.1
25°	13059.1	12200.6	11345.6	10616.1	9826.9	9016.7	8261.9	7537.1	6857.3	6174.3	5438.9
22.5°	15100.5	14178.9	13242.3	12256.1	11262.6	10298.2	9385.6	8459.4	7633.4	6825.9	6013.2
20°	17208.5	16101.1	15043.9	13908.3	12711.3	11540.2	10526.7	9432.8	8425.3	7487.0	6582.9
17.5°	19390.1	18016.1	16709.4	15428.8	14115.4	12827.4	11556.1	10349.0	9209.4	8136.2	7134.4
15°	21479.4	19873.9	18369.5	16896.8	15415.0	13923.9	12483.5	11178.4	9981.7	8796.9	7676.5
12.5°	23205.6	21571.1	19942.2	18196.3	16534.8	14936.4	13398.0	11975.2	10670.7	9361.1	8133.9
10°	24658.5	22935.5	21168.4	19360.1	17579.7	15868.5	14207.3	12623.0	11168.1	9818.8	8542.8
7.5°	25752.6	23997.8	22208.4	20347.3	18474.7	16648.3	14866.8	13175.0	11610.9	10205.5	8901.2
5°	26576.4	24804.8	22948.8	21076.1	19210.1	17325.1	15435.6	13651.5	11991.9	10522.6	9206.7
2.5°	27199.1	25382.7	23482.9	21617.8	19779.9	17870.0	15899.8	14038.8	12347.7	10807.8	9407.2
0°	27576.4	25749.4	23828.4	21940.1	20085.8	18236.9	16248.0	14324.8	12648.8	11039.5	9552.8
-2.5°	27757.1	25932.6	23956.5	22011.4	20150.9	18310.7	16438.5	14571.4	12838.7	11259.3	9755.5
-5°	27765.6	25947.3	24002.3	22074.0	20180.0	18346.4	16504.7	14698.7	12966.7	11403.2	9896.5
-7.5°	27601.4	25812.4	23890.6	21974.5	20099.1	18283.9	16460.3	14718.6	13043.1	11457.1	9966.7
-10°	27323.3	25570.1	23672.7	21752.6	19908.0	18092.1	16326.2	14664.1	13025.1	11440.9	9977.0
-12.5°	26731.4	25097.7	23273.9	21389.9	19586.3	17795.4	16104.7	14525.1	12909.4	11356.6	9928.3
-15°	26041.0	24448.0	22683.6	20898.8	19132.6	17420.4	15790.2	14243.8	12673.6	11200.0	9821.9
-17.5°	25114.2	23638.0	21959.3	20301.9	18609.5	16968.8	15395.9	13886.4	12401.3	10975.0	9625.0
-20°	24012.5	22589.4	21161.7	19621.8	18005.9	16436.9	14910.5	13486.1	12076.4	10688.5	9391.7



REPORT NUMBER: P701338 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-7F-VHE-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	22815.1	21526.2	20184.1	18781.7	17324.7	15838.2	14398.2	13032.2	11688.7	10323.5	9111.0
-25°	21550.8	20382.6	19133.0	17852.2	16536.4	15162.0	13815.2	12512.2	11211.9	9934.1	8789.7
-27.5°	20238.5	19163.6	18083.4	16895.1	15671.3	14430.8	13176.8	11933.4	10686.5	9537.6	8454.0
-30°	18891.8	17936.7	16963.7	15935.7	14788.5	13625.9	12479.1	11326.6	10183.7	9100.5	8074.0
-32.5°	17518.8	16686.1	15808.2	14906.7	13869.5	12791.1	11743.3	10708.7	9649.5	8647.0	7699.9
-35°	16157.3	15439.7	14658.8	13818.6	12921.7	11953.3	10982.6	10040.8	9109.1	8167.0	7296.1
-37.5°	14851.5	14224.7	13508.5	12732.2	11949.1	11108.7	10234.4	9376.4	8520.8	7687.8	6871.7
-40°	13556.1	12986.9	12380.7	11687.1	10990.0	10274.4	9500.5	8706.1	7939.1	7187.7	6428.9
-42.5°	12303.5	11807.9	11282.2	10682.4	10055.1	9437.5	8771.1	8053.5	7345.4	6662.9	6001.6
-45°	11107.2	10676.4	10208.1	9710.1	9158.6	8609.0	8039.0	7395.2	6750.5	6147.4	5552.1
-47.5°	9962.7	9591.8	9187.2	8774.0	8296.2	7796.8	7291.2	6732.7	6181.8	5628.8	5113.1
-50°	8864.4	8550.6	8213.6	7866.3	7471.2	7024.1	6577.2	6119.9	5623.2	5144.4	4672.8
-52.5°	7816.6	7575.6	7312.5	7018.8	6695.3	6311.0	5906.9	5519.8	5094.1	4672.5	4253.5
-55°	6922.4	6703.6	6484.2	6239.0	5971.7	5642.3	5296.4	4950.0	4600.2	4214.5	3851.3
-57.5°	6105.2	5902.0	5718.6	5514.1	5289.1	5015.0	4721.8	4417.3	4117.6	3785.0	3454.5
-60°	5356.8	5163.4	5009.0	4839.0	4653.9	4426.5	4177.0	3914.8	3640.6	3368.3	3088.6
-62.5°	4647.4	4478.4	4348.3	4212.5	4063.7	3886.9	3663.1	3441.0	3209.2	2967.5	2739.7
-65°	4005.7	3862.0	3744.8	3637.8	3519.9	3388.6	3192.6	2999.1	2807.0	2609.2	2405.7
-67.5°	3429.8	3307.9	3207.5	3115.9	3022.3	2918.7	2763.6	2594.9	2432.0	2270.4	2098.5
-70°	2909.6	2809.7	2723.7	2647.2	2567.6	2483.6	2364.1	2226.2	2085.3	1947.5	1803.9
-72.5°	2437.2	2355.7	2282.0	2220.3	2151.8	2082.4	1991.3	1878.0	1761.2	1641.0	1521.0
-75°	1999.0	1933.0	1871.0	1822.8	1770.2	1713.4	1643.5	1551.3	1458.0	1363.7	1267.6
-77.5°	1592.0	1541.2	1492.0	1456.5	1417.3	1374.5	1321.0	1247.9	1179.2	1109.1	1037.5
-80°	1227.6	1190.4	1153.6	1131.0	1106.5	1080.2	1047.9	991.9	934.6	879.1	826.1
-82.5°	916.9	891.3	865.7	853.9	840.2	824.5	804.9	764.3	723.1	681.5	639.5
-85°	676.5	658.9	641.0	634.1	626.2	617.3	606.7	580.1	553.1	525.6	497.7
-87.5°	518.3	505.2	492.0	486.9	481.6	476.1	470.4	452.5	434.6	416.7	398.8
-90°	3.9	4.1	4.4	4.7	5.0	5.2	5.5	5.8	6.1	6.3	6.6



REPORT NUMBER: P701338 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	332.0	316.2	300.3	284.4	268.3	252.2	236.0	219.9	201.6	183.3	164.9
87.5°	12.0	12.8	13.4	14.0	13.7	13.4	13.1	12.8	13.3	13.7	13.9
85°	25.4	24.0	22.8	22.0	20.7	19.1	18.5	17.9	18.7	19.1	19.2
82.5°	46.1	42.1	38.3	35.3	34.3	32.9	30.8	28.3	26.8	25.0	24.6
80°	61.8	56.6	51.6	47.6	47.1	46.7	44.5	41.8	39.6	36.8	33.5
77.5°	78.4	71.2	64.0	58.8	57.2	55.7	54.5	54.0	52.3	48.6	44.3
75°	95.8	87.3	78.9	73.1	69.9	64.6	62.4	62.6	64.4	60.7	55.1
72.5°	113.6	104.7	94.8	89.1	87.4	82.7	75.2	72.3	77.0	75.4	67.2
70°	129.5	122.3	112.7	110.2	107.9	101.9	94.9	92.9	90.8	90.7	83.5
67.5°	144.1	137.7	129.3	132.8	132.4	126.9	116.1	117.1	116.4	107.1	100.3
65°	148.7	149.2	147.3	156.6	158.6	153.7	143.4	145.0	143.1	133.8	117.7
62.5°	153.4	157.6	164.9	181.9	187.1	183.2	174.0	179.9	172.6	161.5	141.8
60°	158.6	166.6	186.7	208.1	217.4	214.9	212.8	217.0	209.9	190.0	168.9
57.5°	176.0	179.6	215.5	240.2	250.6	249.5	256.5	260.4	248.9	226.0	197.1
55°	204.6	218.2	258.5	281.1	290.6	287.6	306.8	309.0	291.4	264.9	227.3
52.5°	260.6	291.9	326.6	338.8	340.3	341.0	367.1	361.2	341.8	305.1	265.3
50°	386.4	413.9	432.2	425.0	402.2	421.9	434.9	426.8	394.9	348.9	305.0
47.5°	651.7	640.3	593.1	541.5	500.2	517.2	524.9	499.2	450.7	400.2	345.6
45°	1060.3	965.9	838.8	728.4	640.7	650.4	630.9	577.6	522.7	455.5	386.9
42.5°	1504.7	1362.3	1200.5	940.1	857.2	805.4	748.6	682.8	599.1	512.7	433.7
40°	2026.4	1781.3	1594.1	1313.2	1088.0	974.8	900.0	799.9	679.1	575.0	484.6
37.5°	2519.6	2219.4	1984.9	1665.2	1342.5	1189.2	1064.3	925.2	764.7	644.6	536.2
35°	2975.4	2645.0	2318.3	1982.9	1645.6	1404.3	1237.9	1065.0	864.4	713.6	588.3
32.5°	3421.3	3037.4	2657.8	2282.4	1924.2	1619.6	1426.8	1188.1	960.1	781.8	640.8
30°	3879.7	3431.8	2995.8	2572.2	2183.7	1859.5	1597.3	1303.5	1051.5	849.0	694.5
27.5°	4340.0	3821.1	3334.8	2870.6	2441.3	2079.2	1727.5	1411.1	1138.5	919.3	750.5
25°	4811.9	4231.4	3684.7	3169.0	2688.3	2248.3	1852.4	1511.3	1227.4	993.3	805.1
22.5°	5291.5	4647.4	4025.2	3459.7	2893.4	2418.7	1983.3	1616.5	1313.1	1063.3	857.9
20°	5742.9	5057.3	4343.9	3693.1	3096.0	2594.9	2122.6	1715.9	1392.1	1129.2	908.9
17.5°	6178.2	5426.0	4627.0	3921.6	3292.2	2757.0	2258.3	1808.9	1464.4	1190.9	957.8
15°	6628.7	5749.1	4900.8	4131.8	3471.2	2904.6	2389.1	1895.1	1530.1	1248.4	998.8
12.5°	7032.0	6063.0	5156.5	4322.5	3632.6	3037.9	2513.4	1974.2	1589.3	1298.9	1030.9
10°	7390.9	6362.3	5391.0	4492.9	3776.0	3156.9	2629.7	2054.8	1658.8	1344.4	1060.7
7.5°	7705.0	6641.2	5601.2	4642.1	3902.4	3255.7	2717.8	2146.6	1727.6	1386.5	1087.9
5°	7963.4	6872.0	5803.1	4814.3	4019.3	3336.0	2785.2	2230.6	1792.5	1424.8	1112.0
2.5°	8132.0	7029.2	5984.0	4974.3	4119.5	3403.9	2836.5	2306.2	1852.3	1458.7	1132.8
0°	8256.4	7144.9	6130.8	5111.2	4200.9	3458.1	2873.9	2372.9	1905.7	1487.8	1149.8
-2.5°	8416.7	7258.2	6222.4	5219.6	4314.8	3554.3	2937.5	2415.1	1943.2	1524.1	1178.0
-5°	8527.2	7332.4	6282.0	5301.1	4406.9	3633.4	2988.3	2447.6	1973.2	1554.8	1201.9
-7.5°	8604.4	7392.3	6321.8	5355.2	4476.0	3693.3	3025.2	2470.3	1995.8	1579.5	1221.1
-10°	8634.0	7424.6	6343.3	5371.3	4497.8	3721.6	3047.0	2483.2	2011.2	1598.1	1235.5
-12.5°	8610.5	7409.1	6326.8	5358.2	4491.0	3721.0	3055.2	2493.4	2019.9	1610.4	1244.9
-15°	8533.5	7344.2	6271.1	5315.7	4459.8	3701.9	3049.8	2495.8	2023.4	1614.6	1249.0
-17.5°	8396.1	7228.4	6175.3	5243.5	4403.6	3664.3	3030.7	2486.6	2018.1	1609.9	1246.1
-20°	8202.1	7076.3	6044.5	5141.5	4322.4	3608.1	2997.9	2465.3	2003.7	1598.1	1236.9



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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°	7970.4	6903.5	5919.0	5026.6	4227.5	3533.5	2951.5	2432.0	1980.0	1579.1	1222.8
-25°	7699.1	6701.0	5760.5	4901.5	4128.1	3467.7	2898.3	2386.3	1947.0	1552.6	1203.7
-27.5°	7430.3	6476.0	5565.8	4751.5	4022.4	3387.6	2837.5	2341.4	1907.0	1518.7	1179.8
-30°	7148.6	6231.0	5368.7	4587.3	3895.6	3296.6	2762.4	2286.0	1862.8	1483.0	1150.9
-32.5°	6820.0	5947.5	5154.1	4428.0	3769.2	3186.7	2673.4	2219.4	1809.7	1444.8	1123.4
-35°	6459.0	5662.2	4918.7	4246.4	3628.3	3075.2	2578.1	2141.8	1747.6	1401.1	1093.6
-37.5°	6075.4	5358.7	4698.2	4054.2	3463.8	2947.6	2482.2	2061.3	1676.6	1351.9	1059.7
-40°	5718.1	5046.6	4433.7	3850.6	3300.1	2804.3	2374.3	1976.5	1610.1	1297.2	1021.8
-42.5°	5336.4	4733.8	4163.5	3617.8	3126.6	2672.1	2256.8	1883.7	1544.2	1245.4	980.0
-45°	4970.6	4408.3	3880.8	3398.6	2942.0	2527.6	2145.2	1785.5	1470.4	1192.9	937.2
-47.5°	4589.9	4084.2	3606.8	3163.7	2768.0	2377.7	2025.3	1693.0	1388.9	1136.0	894.4
-50°	4221.7	3763.0	3334.6	2941.0	2573.2	2236.9	1900.5	1591.1	1315.8	1072.3	847.4
-52.5°	3850.4	3450.8	3070.4	2714.3	2392.4	2087.8	1775.3	1482.5	1236.4	1007.9	796.2
-55°	3488.7	3150.3	2809.4	2497.2	2206.4	1930.0	1640.1	1384.7	1150.8	940.7	742.3
-57.5°	3151.0	2850.6	2560.4	2281.0	2015.3	1759.4	1512.2	1280.1	1066.0	869.1	694.3
-60°	2817.8	2568.8	2311.8	2061.7	1818.8	1595.3	1386.2	1172.4	977.9	796.0	641.8
-62.5°	2511.5	2286.8	2065.4	1837.8	1631.6	1440.6	1255.4	1065.9	885.2	729.7	585.9
-65°	2213.0	2015.4	1815.3	1632.4	1453.7	1284.4	1126.4	954.4	800.7	660.1	531.3
-67.5°	1921.5	1757.1	1593.8	1430.2	1281.3	1136.3	991.7	851.2	715.9	587.5	484.4
-70°	1657.6	1511.6	1377.6	1247.4	1116.1	987.7	871.3	749.6	627.8	529.3	435.7
-72.5°	1406.1	1292.1	1179.3	1066.1	961.0	856.1	751.6	649.5	557.6	469.5	385.3
-75°	1170.0	1081.8	995.6	907.2	814.5	723.3	645.0	566.9	485.8	408.0	342.9
-77.5°	964.7	892.1	819.8	752.6	682.2	613.8	547.7	482.2	416.6	358.1	302.6
-80°	773.5	720.8	668.2	614.7	557.7	502.7	456.3	409.6	357.9	308.4	261.4
-82.5°	598.5	562.6	527.9	492.4	453.8	415.5	377.7	340.0	298.0	257.8	226.8
-85°	470.5	442.9	414.9	386.6	356.9	327.5	305.9	283.9	257.8	232.0	206.5
-87.5°	381.2	363.4	345.6	327.5	308.8	290.0	271.1	252.1	229.9	207.8	185.8
-90°	6.9	7.2	7.4	7.7	7.7	7.7	7.7	7.7	8.0	8.3	8.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	146.6	121.4	96.3	71.1	45.9	26.8	7.7
87.5°	13.9	13.5	12.9	12.1	11.2	9.8	7.7
85°	19.0	18.1	16.9	15.4	13.6	11.3	7.7
82.5°	24.1	22.8	21.0	18.7	15.9	12.8	7.7
80°	29.7	27.5	25.1	22.0	18.3	14.3	7.7
77.5°	39.6	34.0	29.2	25.3	20.7	15.8	7.7
75°	49.6	44.1	34.2	28.6	23.1	17.3	7.7
72.5°	60.0	54.4	43.7	31.9	25.6	18.8	7.7
70°	71.4	64.8	53.3	36.0	28.0	20.3	7.7
67.5°	88.9	75.3	62.9	44.1	30.5	21.8	7.7
65°	106.9	89.2	72.5	52.2	33.0	23.3	7.7
62.5°	125.3	106.4	82.3	60.2	35.5	24.7	7.7
60°	144.3	123.8	92.1	68.2	38.0	26.2	7.7
57.5°	170.5	141.5	107.1	76.2	43.8	27.6	7.7
55°	198.0	159.5	122.4	84.1	49.6	29.0	7.7
52.5°	226.0	178.8	137.8	92.0	55.2	30.4	7.7
50°	254.5	203.3	153.1	99.9	60.8	31.7	7.7
47.5°	284.4	228.0	168.5	108.6	66.3	33.1	7.7
45°	320.2	252.8	183.9	120.2	71.7	34.4	7.7
42.5°	356.3	277.6	199.2	131.6	76.9	35.7	7.7
40°	392.6	302.4	216.6	142.9	82.0	36.9	7.7
37.5°	428.9	327.1	235.9	153.9	87.0	38.1	7.7
35°	465.3	354.8	254.8	164.6	91.8	39.3	7.7
32.5°	503.5	383.7	273.4	174.8	96.4	40.5	7.7
30°	546.1	412.0	291.5	184.7	100.8	41.6	7.7
27.5°	588.2	439.8	308.0	194.1	105.1	42.6	7.7
25°	629.6	466.9	323.7	203.0	109.1	43.6	7.7
22.5°	670.1	492.0	338.5	211.5	112.9	44.6	7.7
20°	709.5	512.8	352.4	219.4	116.5	45.5	7.7
17.5°	740.4	532.0	365.4	226.8	119.9	46.3	7.7
15°	764.4	549.6	377.4	233.7	123.0	47.1	7.7
12.5°	785.6	565.6	388.4	239.9	125.8	47.8	7.7
10°	804.1	579.9	398.4	245.6	128.4	48.4	7.7
7.5°	819.7	592.4	407.2	250.6	130.7	49.0	7.7
5°	832.6	603.1	414.9	254.9	132.7	49.5	7.7
2.5°	842.6	612.1	421.4	258.5	134.3	49.9	7.7
0°	850.0	619.2	426.7	261.5	135.7	50.3	7.7
-2.5°	870.4	630.7	433.7	265.5	137.8	51.3	7.7
-5°	887.9	640.3	439.3	268.7	139.5	52.2	7.7
-7.5°	902.1	647.8	443.6	271.1	141.0	53.0	7.7
-10°	912.8	653.1	446.4	272.7	142.0	53.7	7.7
-12.5°	919.8	656.2	447.8	273.6	142.7	54.4	7.7
-15°	922.8	656.9	447.6	273.6	143.1	54.9	7.7
-17.5°	921.5	655.2	445.9	272.8	143.1	55.4	7.7
-20°	916.5	651.1	442.6	271.1	142.8	55.7	7.7



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	908.4	644.3	437.7	268.6	142.1	55.9	7.7
-25°	896.8	637.7	431.2	265.2	141.1	56.1	7.7
-27.5°	881.6	629.5	423.0	260.9	139.7	56.1	7.7
-30°	862.9	618.6	413.5	255.8	137.9	56.1	7.7
-32.5°	840.7	604.9	404.8	249.8	135.8	55.9	7.7
-35°	819.9	588.5	394.3	242.9	133.4	55.6	7.7
-37.5°	797.7	570.9	382.1	235.2	130.6	55.3	7.7
-40°	771.9	553.9	368.2	226.6	127.5	54.8	7.7
-42.5°	742.6	534.6	355.3	217.8	124.0	54.2	7.7
-45°	709.8	513.0	343.7	209.0	120.2	53.6	7.7
-47.5°	673.5	489.1	330.7	199.4	116.1	52.8	7.7
-50°	640.6	463.0	316.3	192.6	111.7	51.9	7.7
-52.5°	606.0	434.8	300.7	186.2	106.9	50.9	7.7
-55°	568.6	411.6	283.8	179.2	101.9	49.9	7.7
-57.5°	528.7	388.0	265.6	171.5	96.6	48.7	7.7
-60°	487.6	362.8	246.7	163.1	91.1	47.5	7.7
-62.5°	454.1	336.1	233.6	154.1	88.2	46.1	7.7
-65°	418.6	307.9	219.6	144.5	85.1	44.7	7.7
-67.5°	381.4	283.0	204.7	134.4	81.9	43.2	7.7
-70°	342.5	261.5	189.0	123.7	78.4	41.6	7.7
-72.5°	311.6	238.9	172.5	117.1	74.8	40.0	7.7
-75°	280.8	215.3	155.4	111.2	71.1	38.3	7.7
-77.5°	248.9	190.9	145.0	105.1	67.2	36.5	7.7
-80°	216.0	174.2	135.8	98.7	63.1	34.7	7.7
-82.5°	197.7	161.5	126.3	92.1	59.0	32.8	7.7
-85°	181.1	148.5	116.5	85.3	54.7	30.8	7.7
-87.5°	164.0	135.1	106.5	78.3	50.4	28.8	7.7
-90°	8.8	8.8	8.8	8.8	8.8	8.3	7.7

(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

