

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: P1305712 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-57-70-7F-VHE-A**

Issue Date: 2/3/2026

Test Information

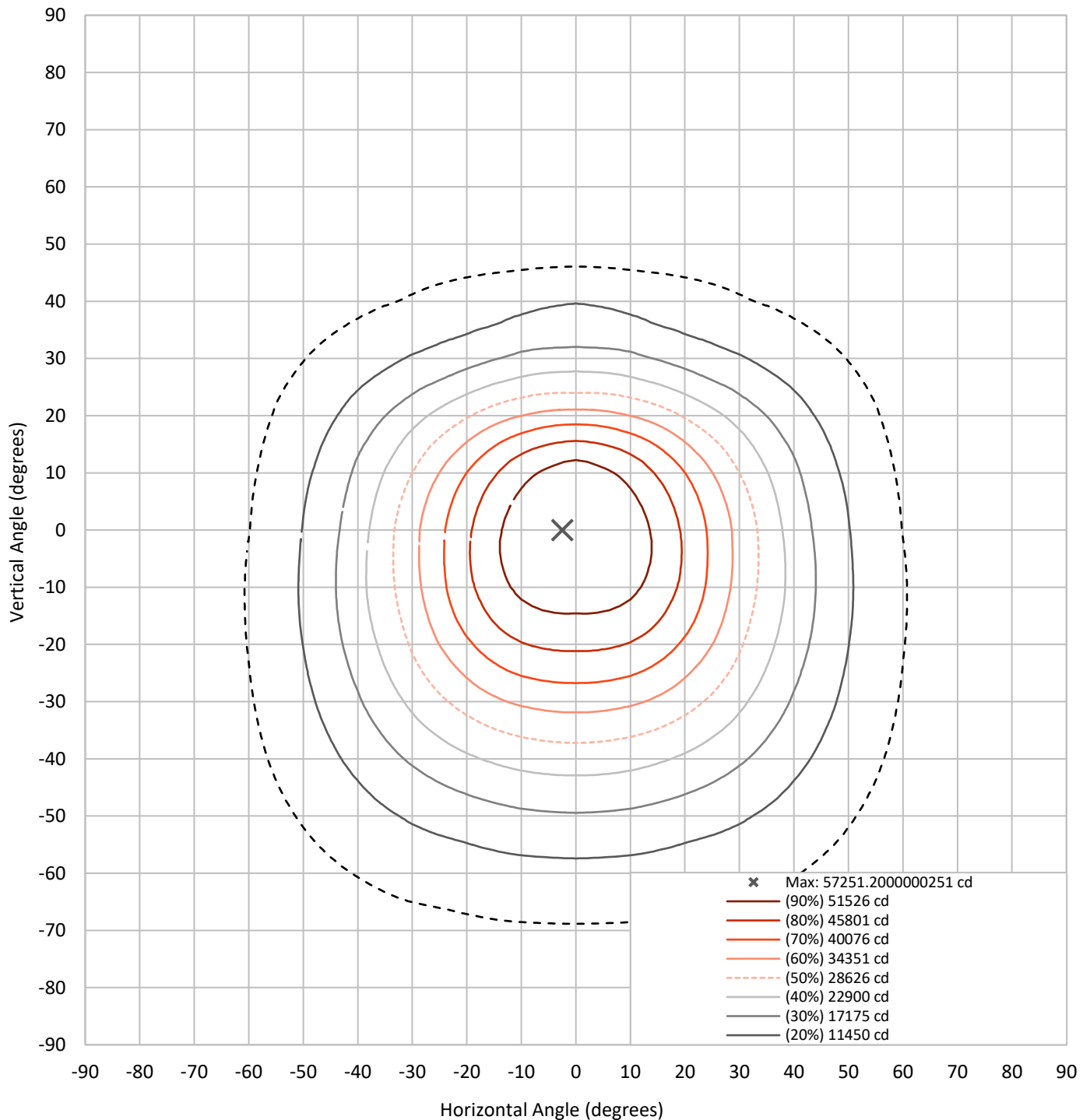
Test Method: LM-79-08
Report Number: P1305712 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-6)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-640L-57-70-7F-VHE-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 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:	76165.2 lumens	Max Intensity:	57251.2 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	117.5 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:	41354 lumens	Field Lumens:	71373.7 lumens
Beam Efficiency:	54.3%	Field Efficiency:	93.7%
Input Watts (W):	648		
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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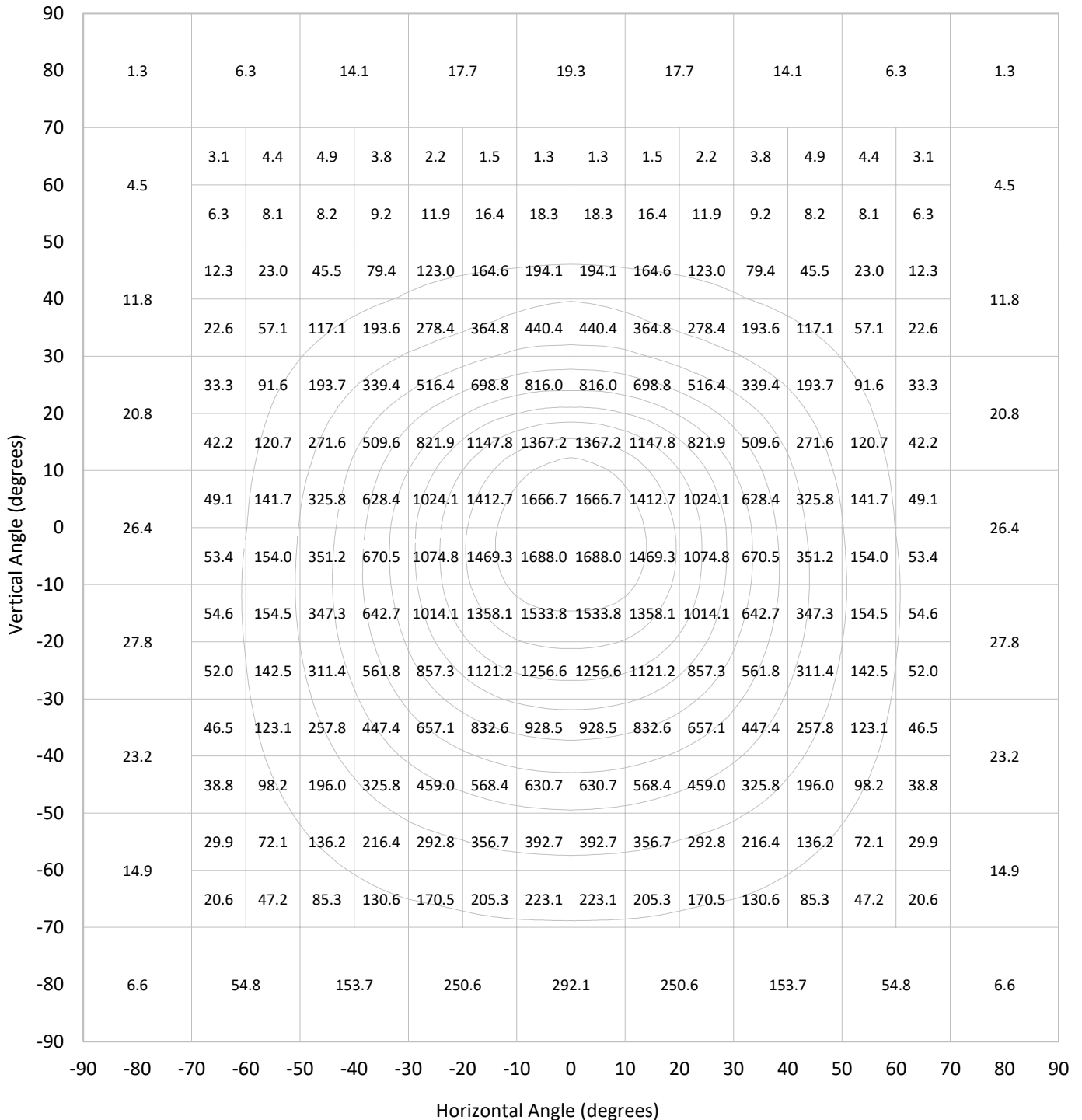
Iso-Candela Plot





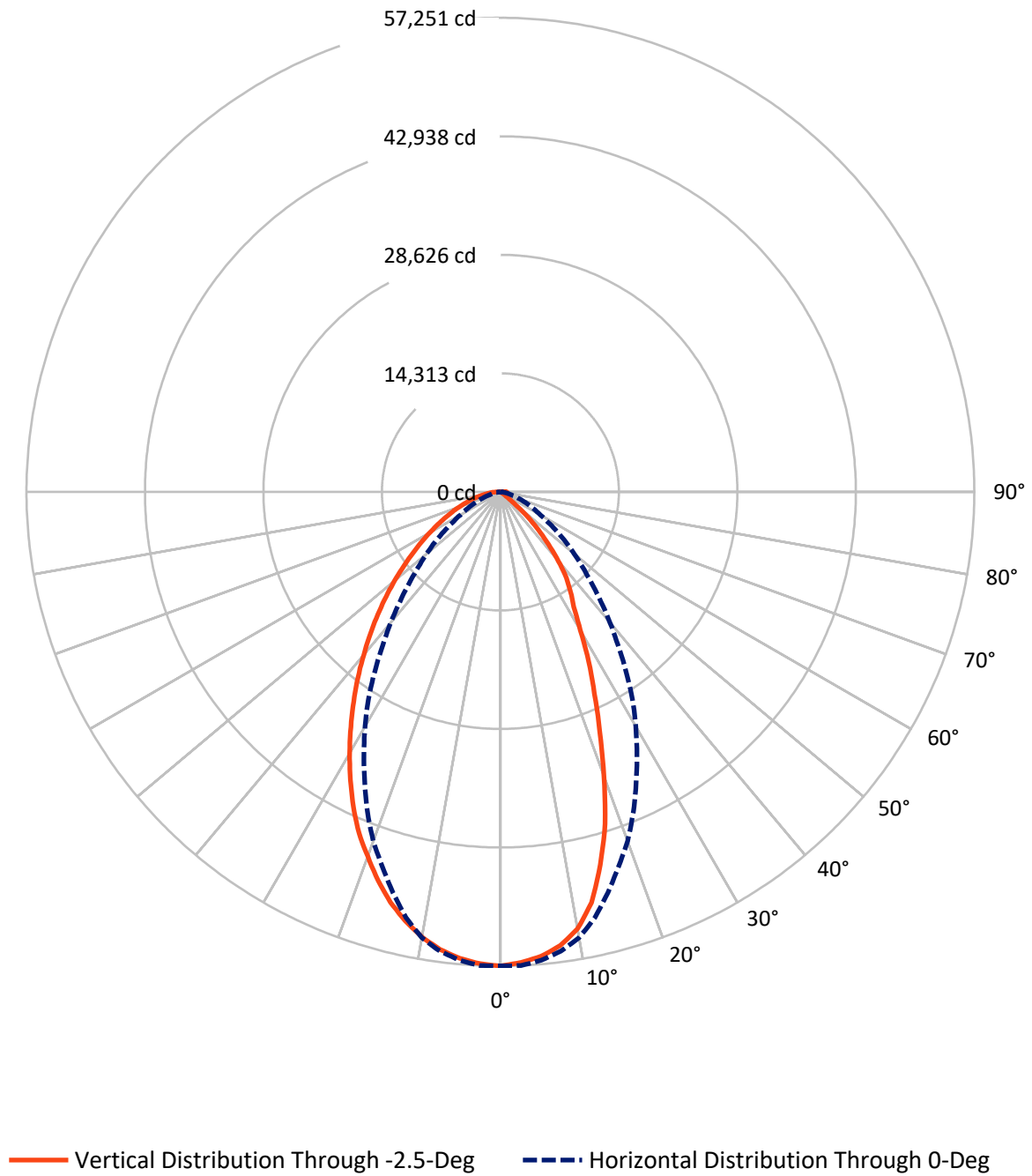
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Lumen Table



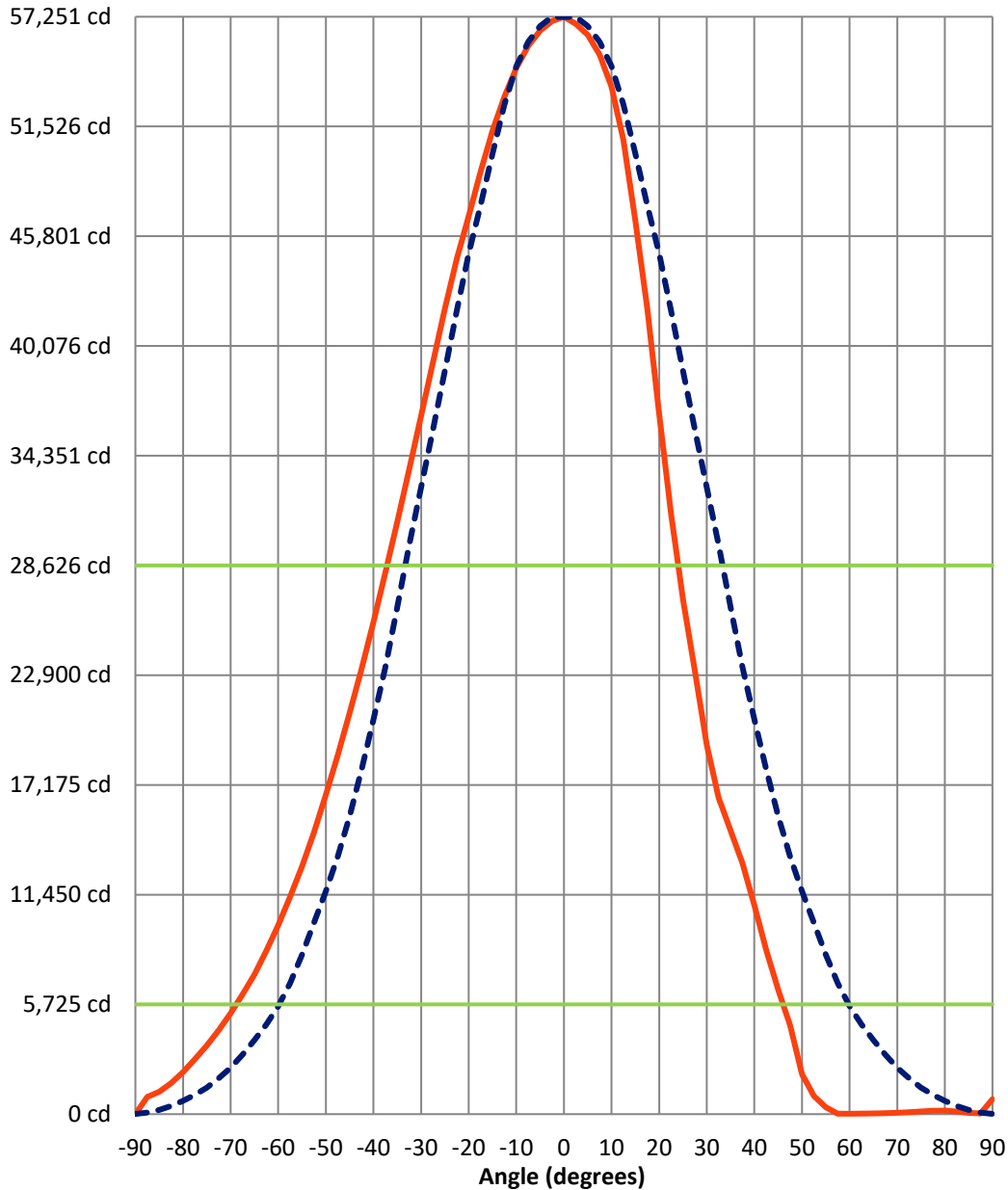
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 66.6°
 V Angle: 61.2°
 Lumens: 41354
 Efficiency: 54.3%

Field:
 H Angle: 119.6°
 V Angle: 114.9°
 Lumens: 71373.7
 Efficiency: 93.7%

Spill:
 Lumens: 4791.5
 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°	12.5	43.7	74.8	115.8	156.7	197.7	238.6	268.5	298.3	328.2	358.0
87.5°	12.5	15.8	18.1	19.6	20.9	21.8	22.5	22.5	22.2	21.6	20.8
85°	12.5	18.3	22.0	25.0	27.5	29.5	30.8	31.2	31.1	30.4	29.2
82.5°	12.5	20.8	25.9	30.4	34.2	37.1	39.2	40.0	40.7	43.7	46.1
80°	12.5	23.3	29.8	35.8	40.8	44.7	48.5	54.7	60.0	64.5	68.0
77.5°	12.5	25.7	33.7	41.2	47.5	55.4	64.5	72.2	79.3	85.2	88.0
75°	12.5	28.2	37.6	46.6	55.7	71.9	80.9	89.8	98.9	105.0	102.0
72.5°	12.5	30.6	41.6	51.9	71.2	88.6	97.7	109.5	122.8	125.4	117.7
70°	12.5	33.0	45.6	58.7	86.7	105.5	116.3	136.0	147.7	147.8	151.2
67.5°	12.5	35.5	49.6	71.8	102.4	122.7	144.8	163.3	174.3	189.4	190.6
65°	12.5	37.8	53.7	84.9	118.1	145.3	174.0	191.6	217.9	232.9	236.1
62.5°	12.5	40.2	57.7	98.0	134.0	173.2	204.1	230.8	262.8	280.9	292.9
60°	12.5	42.6	61.8	111.0	150.0	201.6	235.0	275.0	309.3	341.6	353.3
57.5°	12.5	44.9	71.3	124.0	174.4	230.4	277.5	320.9	367.9	405.1	424.0
55°	12.5	47.2	80.7	136.9	199.3	259.7	322.3	370.0	431.2	474.3	503.0
52.5°	12.5	49.4	90.0	149.8	224.3	291.1	367.9	431.9	496.6	556.4	588.0
50°	12.5	51.6	99.0	162.6	249.3	331.0	414.3	496.5	568.0	642.8	694.8
47.5°	12.5	53.8	108.0	176.8	274.3	371.2	463.0	562.5	651.4	733.7	812.7
45°	12.5	56.0	116.7	195.7	299.3	411.5	521.3	629.8	741.6	850.9	940.1
42.5°	12.5	58.1	125.2	214.3	324.2	451.9	580.0	706.0	834.7	975.3	1111.5
40°	12.5	60.1	133.5	232.6	352.5	492.3	639.0	788.9	936.1	1105.5	1302.1
37.5°	12.5	62.1	141.6	250.6	383.9	532.6	698.2	872.8	1049.4	1244.9	1506.0
35°	12.5	64.0	149.4	267.9	414.8	577.6	757.4	957.7	1161.7	1407.1	1733.6
32.5°	12.5	65.9	156.9	284.6	445.0	624.6	819.7	1043.2	1272.7	1562.8	1934.0
30°	12.5	67.7	164.1	300.6	474.6	670.8	889.0	1130.6	1382.1	1711.7	2121.9
27.5°	12.5	69.4	171.0	315.9	501.5	716.0	957.5	1221.8	1496.5	1853.4	2297.0
25°	12.5	71.0	177.6	330.4	526.9	760.1	1024.8	1310.5	1617.0	1998.0	2460.1
22.5°	12.5	72.6	183.8	344.2	551.0	800.9	1090.7	1396.5	1731.0	2137.6	2631.5
20°	12.5	74.0	189.6	357.1	573.7	834.7	1154.8	1479.5	1838.3	2266.2	2793.2
17.5°	12.5	75.4	195.1	369.2	594.8	866.0	1205.2	1559.1	1938.7	2383.9	2944.5
15°	12.5	76.7	200.1	380.3	614.4	894.7	1244.3	1626.0	2032.2	2490.8	3084.9
12.5°	12.5	77.8	204.8	390.5	632.3	920.7	1278.9	1678.2	2114.5	2587.1	3213.7
10°	12.5	78.9	208.9	399.7	648.5	943.9	1308.9	1726.7	2188.5	2700.3	3344.9
7.5°	12.5	79.8	212.6	407.8	662.9	964.3	1334.3	1770.9	2257.1	2812.4	3494.4
5°	12.5	80.6	215.9	414.9	675.4	981.8	1355.3	1810.2	2319.4	2918.0	3631.1
2.5°	12.5	81.3	218.6	420.8	685.9	996.4	1371.7	1844.0	2374.7	3015.3	3754.2
0°	12.5	81.9	220.8	425.6	694.5	1008.0	1383.7	1871.7	2422.0	3102.3	3862.7
-2.5°	12.5	83.5	224.2	432.0	705.9	1026.8	1417.0	1917.7	2481.1	3163.3	3931.3
-5°	12.5	85.0	227.0	437.3	715.0	1042.4	1445.4	1956.5	2530.9	3212.1	3984.3
-7.5°	12.5	86.3	229.4	441.2	722.0	1054.6	1468.6	1987.9	2571.2	3248.9	4021.3
-10°	12.5	87.5	231.1	443.9	726.6	1063.2	1486.0	2011.3	2601.5	3273.9	4042.3
-12.5°	12.5	88.5	232.3	445.3	728.8	1068.2	1497.3	2026.5	2621.4	3288.0	4058.8
-15°	12.5	89.4	232.9	445.3	728.6	1069.4	1502.2	2033.2	2628.2	3293.8	4062.8
-17.5°	12.5	90.1	232.9	444.0	725.8	1066.6	1500.2	2028.5	2620.7	3285.1	4047.7
-20°	12.5	90.7	232.4	441.3	720.5	1059.8	1491.9	2013.5	2601.5	3261.7	4013.2



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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°	12.5	91.1	231.3	437.2	712.5	1048.9	1478.8	1990.5	2570.5	3223.1	3958.8
-25°	12.5	91.3	229.6	431.7	701.9	1038.1	1459.8	1959.5	2527.4	3169.3	3884.4
-27.5°	12.5	91.4	227.3	424.7	688.6	1024.8	1435.1	1920.6	2472.2	3104.2	3811.4
-30°	12.5	91.3	224.5	416.4	673.0	1007.0	1404.7	1873.6	2414.1	3032.4	3721.2
-32.5°	12.5	91.0	221.1	406.6	658.9	984.7	1368.5	1828.8	2352.0	2945.9	3612.8
-35°	12.5	90.6	217.1	395.4	641.9	958.0	1334.7	1780.3	2280.8	2844.8	3486.5
-37.5°	12.5	90.0	212.5	382.9	622.0	929.3	1298.6	1725.1	2200.7	2729.3	3355.4
-40°	12.5	89.2	207.4	368.9	599.4	901.7	1256.6	1663.4	2111.8	2621.1	3217.4
-42.5°	12.5	88.3	201.8	354.5	578.4	870.2	1208.8	1595.3	2027.4	2513.8	3066.3
-45°	12.5	87.2	195.6	340.2	559.4	835.0	1155.4	1525.7	1941.9	2393.7	2906.5
-47.5°	12.5	85.9	188.9	324.5	538.3	796.2	1096.4	1456.0	1849.2	2261.0	2755.9
-50°	12.5	84.5	181.7	313.4	514.9	753.7	1042.8	1379.4	1745.6	2142.0	2590.1
-52.5°	12.5	82.9	174.0	303.1	489.4	707.8	986.4	1296.2	1640.8	2012.7	2413.3
-55°	12.5	81.2	165.9	291.6	461.9	670.0	925.7	1208.5	1531.4	1873.4	2254.2
-57.5°	12.5	79.3	157.2	279.0	432.4	631.6	860.7	1130.3	1414.8	1735.3	2083.9
-60°	12.5	77.3	148.2	265.4	401.6	590.6	793.8	1044.8	1295.8	1592.0	1908.5
-62.5°	12.5	75.1	143.5	250.8	380.2	547.1	739.2	953.7	1187.8	1441.0	1735.2
-65°	12.5	72.8	138.5	235.2	357.4	501.3	681.5	864.8	1074.5	1303.5	1553.6
-67.5°	12.5	70.4	133.2	218.7	333.1	460.6	620.9	788.5	956.3	1165.4	1385.6
-70°	12.5	67.8	127.7	201.4	307.6	425.6	557.6	709.2	861.6	1021.9	1220.2
-72.5°	12.5	65.1	121.8	190.6	280.8	388.8	507.3	627.3	764.3	907.7	1057.2
-75°	12.5	62.3	115.7	181.1	252.9	350.5	457.1	558.2	664.2	790.8	922.8
-77.5°	12.5	59.4	109.4	171.1	236.0	310.8	405.1	492.6	583.0	678.1	784.9
-80°	12.5	56.4	102.8	160.7	221.1	283.6	351.6	425.4	502.1	582.6	666.7
-82.5°	12.5	53.4	96.1	149.9	205.6	262.9	321.8	369.1	419.5	485.1	553.4
-85°	12.5	50.2	89.1	138.8	189.7	241.7	294.7	336.1	377.7	419.7	462.1
-87.5°	12.5	47.0	82.0	127.4	173.4	219.9	266.9	302.5	338.3	374.2	410.4
-90°	12.5	13.4	14.2	14.2	14.2	14.2	14.2	13.8	13.4	12.9	12.5



REPORT NUMBER: P1305712 (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°
90°	384.3	410.5	436.8	463.0	488.8	514.7	540.5	566.3	590.4	614.4	638.5
87.5°	21.3	21.8	22.3	22.7	21.8	20.8	19.6	18.3	19.8	21.4	23.1
85°	30.2	31.2	33.8	35.8	37.2	39.1	41.4	44.2	49.4	54.7	59.8
82.5°	50.2	53.5	55.9	57.4	62.4	68.5	75.1	81.2	87.1	92.7	98.0
80°	72.5	76.0	76.6	77.5	84.0	92.1	100.6	109.5	116.6	123.2	129.4
77.5°	88.8	90.7	93.1	95.7	104.2	115.9	127.6	139.4	148.1	155.1	161.4
75°	101.6	105.2	113.7	119.0	128.5	142.1	155.9	169.1	177.8	182.6	185.8
72.5°	122.4	134.7	142.2	145.1	154.3	170.4	184.9	197.8	204.5	203.5	199.3
70°	154.4	165.8	175.7	179.4	183.4	199.0	210.8	220.0	224.1	216.0	200.1
67.5°	189.0	206.5	215.5	216.0	210.4	224.1	234.6	233.3	226.2	208.6	187.6
65°	233.4	250.1	258.2	254.9	239.7	242.8	242.1	235.8	219.6	195.4	170.2
62.5°	283.2	298.2	304.5	296.1	268.4	256.5	249.7	233.6	208.7	185.0	161.2
60°	346.5	349.9	353.9	338.7	303.9	271.2	258.3	242.1	215.5	183.0	163.4
57.5°	417.5	406.1	408.0	390.9	350.9	292.3	286.6	265.9	243.5	200.6	180.5
55°	499.4	468.1	473.0	457.6	420.8	355.3	333.0	330.1	298.7	264.9	227.8
52.5°	597.6	555.0	554.1	551.6	531.7	475.2	424.3	459.7	479.6	441.9	465.9
50°	707.9	686.7	654.8	691.9	703.6	673.8	629.0	727.9	847.1	901.6	900.2
47.5°	854.5	842.0	814.3	881.5	965.5	1042.4	1060.9	1239.6	1420.0	1619.6	1643.2
45°	1027.0	1058.8	1043.0	1185.7	1365.5	1572.4	1726.1	1899.4	2310.2	2548.5	2901.5
42.5°	1218.6	1311.1	1395.5	1530.3	1954.3	2217.7	2449.5	2884.5	3293.2	3638.7	4003.4
40°	1465.2	1586.9	1771.1	2137.7	2594.9	2899.7	3298.8	3794.5	4208.4	4598.5	4971.9
37.5°	1732.5	1935.8	2185.3	2710.8	3231.1	3613.0	4101.5	4593.3	5063.7	5501.4	6023.6
35°	2015.1	2286.0	2678.8	3227.8	3773.9	4305.7	4843.5	5391.2	5928.1	6527.9	7115.0
32.5°	2322.6	2636.5	3132.4	3715.4	4326.5	4944.4	5569.3	6208.7	6891.1	7590.4	8213.3
30°	2600.1	3027.0	3554.8	4187.1	4876.8	5586.5	6315.6	7051.5	7889.3	8717.1	9464.4
27.5°	2812.1	3384.7	3974.1	4673.0	5428.7	6220.1	7064.9	7976.7	8952.2	9901.1	10788.2
25°	3015.4	3659.9	4376.2	5158.7	5998.2	6888.1	7833.0	8853.8	10050.9	11162.7	12269.2
22.5°	3228.5	3937.2	4710.1	5632.0	6552.6	7565.4	8613.8	9788.6	11111.6	12425.9	13770.6
20°	3455.2	4224.2	5039.8	6011.9	7071.3	8232.6	9348.6	10716.1	12187.7	13715.1	15355.2
17.5°	3676.1	4487.9	5359.2	6383.9	7532.1	8832.7	10057.2	11613.8	13244.5	14991.5	16846.6
15°	3889.1	4728.3	5650.6	6725.9	7977.8	9358.6	10790.6	12496.2	14320.0	16248.6	18196.8
12.5°	4091.4	4945.3	5913.3	7036.4	8394.0	9869.6	11447.1	13240.8	15238.4	17370.2	19493.8
10°	4280.7	5139.0	6146.7	7313.8	8775.7	10356.8	12031.3	13906.5	15983.5	18179.9	20548.4
7.5°	4424.1	5299.9	6352.5	7556.7	9117.9	10810.8	12542.7	14489.7	16613.1	18900.8	21446.9
5°	4533.9	5430.6	6542.8	7837.0	9446.7	11186.5	12963.3	14987.1	17129.2	19521.0	22222.6
2.5°	4617.4	5541.0	6705.9	8097.4	9741.1	11442.5	13237.6	15313.4	17593.6	20100.2	22853.0
0°	4678.3	5629.3	6838.5	8320.2	9980.0	11630.8	13440.2	15550.5	17970.7	20590.4	23318.6
-2.5°	4781.8	5785.8	7023.9	8496.7	10129.1	11815.2	13701.2	15880.6	18328.5	20899.6	23720.0
-5°	4864.6	5914.6	7173.7	8629.5	10226.2	11936.0	13881.0	16110.1	18562.7	21107.8	23927.3
-7.5°	4924.5	6012.1	7286.3	8717.6	10291.0	12033.5	14006.6	16224.3	18650.3	21232.1	23959.7
-10°	4960.0	6058.1	7321.7	8743.7	10326.0	12086.0	14054.8	16241.1	18624.1	21202.8	23870.9
-12.5°	4973.4	6057.1	7310.8	8722.4	10299.1	12061.0	14016.6	16161.8	18486.8	21014.5	23644.6
-15°	4964.5	6026.1	7259.9	8653.2	10208.5	11955.3	13891.2	15988.5	18231.9	20630.6	23186.8
-17.5°	4933.4	5964.9	7168.5	8535.6	10052.5	11766.8	13667.6	15668.1	17865.8	20187.5	22605.0
-20°	4880.1	5873.5	7036.2	8369.6	9839.7	11519.2	13351.7	15288.2	17399.3	19658.6	21953.3



REPORT NUMBER: P1305712 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-70-7F-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	4804.7	5752.1	6881.8	8182.7	9635.4	11237.9	12974.6	14831.3	16805.0	19027.6	21214.4
-25°	4718.0	5644.8	6720.1	7979.0	9377.2	10908.3	12533.0	14308.4	16171.2	18251.3	20368.1
-27.5°	4619.1	5514.5	6547.8	7734.9	9060.4	10542.0	12095.4	13761.9	15525.9	17396.1	19425.7
-30°	4496.8	5366.4	6341.5	7467.6	8739.5	10143.2	11636.9	13143.4	14814.3	16577.6	18438.0
-32.5°	4351.8	5187.5	6135.7	7208.1	8390.2	9681.7	11101.9	12534.4	14076.0	15708.0	17432.2
-35°	4196.7	5005.9	5906.4	6912.6	8007.0	9217.3	10514.4	11877.0	13294.8	14828.4	16345.1
-37.5°	4040.6	4798.2	5638.5	6599.6	7647.9	8723.3	9889.8	11186.1	12514.7	13870.7	15263.5
-40°	3864.9	4564.9	5372.0	6268.2	7217.3	8215.1	9308.2	10465.3	11700.5	12923.7	14172.2
-42.5°	3673.6	4349.7	5089.7	5889.2	6777.5	7706.0	8686.8	9769.6	10846.2	11957.2	13109.9
-45°	3492.1	4114.6	4789.1	5532.3	6317.4	7176.0	8091.4	9037.9	10007.1	10988.8	12038.3
-47.5°	3296.9	3870.5	4505.8	5150.0	5871.4	6648.5	7471.6	8323.3	9162.7	10063.0	10959.9
-50°	3093.7	3641.3	4188.7	4787.4	5428.2	6125.6	6872.2	7606.6	8374.2	9153.7	9962.2
-52.5°	2889.9	3398.5	3894.4	4418.5	4998.1	5617.4	6267.9	6924.1	7606.2	8292.3	8985.3
-55°	2669.9	3141.8	3591.7	4065.1	4573.4	5128.3	5679.0	6269.3	6860.6	7488.5	8057.8
-57.5°	2461.7	2864.1	3280.6	3713.1	4168.0	4640.4	5129.5	5623.3	6161.5	6702.9	7190.7
-60°	2256.5	2597.0	2960.7	3356.2	3763.2	4181.6	4587.0	5027.8	5483.1	5926.4	6372.8
-62.5°	2043.6	2345.1	2656.1	2991.6	3362.1	3722.5	4088.4	4459.9	4830.7	5224.1	5601.5
-65°	1833.7	2090.8	2366.5	2657.3	2955.1	3280.7	3602.4	3916.1	4247.4	4569.4	4882.0
-67.5°	1614.3	1849.8	2085.8	2328.1	2594.5	2860.4	3127.9	3416.1	3695.9	3959.0	4224.0
-70°	1418.3	1607.9	1816.8	2030.6	2242.5	2460.7	2698.3	2936.4	3170.2	3394.5	3623.9
-72.5°	1223.5	1393.6	1564.3	1735.5	1919.8	2103.4	2289.0	2475.9	2671.3	2866.9	3057.1
-75°	1049.9	1177.4	1325.8	1476.9	1620.7	1761.1	1904.7	2063.6	2219.9	2373.3	2525.3
-77.5°	891.6	999.2	1110.5	1225.1	1334.6	1452.3	1570.5	1688.9	1805.5	1919.6	2031.4
-80°	742.8	818.3	907.8	1000.7	1087.7	1173.4	1259.2	1344.7	1431.1	1521.4	1614.7
-82.5°	614.8	676.4	738.7	801.5	859.3	915.8	974.1	1040.9	1109.2	1177.1	1244.2
-85°	497.9	533.2	581.0	629.3	675.5	721.0	765.9	810.1	855.5	900.3	944.4
-87.5°	441.3	472.1	502.7	533.2	562.6	591.7	620.5	649.2	678.4	707.6	736.7
-90°	12.5	12.5	12.5	12.5	12.1	11.6	11.2	10.7	10.3	9.8	9.4



REPORT NUMBER: P1305712 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-70-7F-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	662.5	670.1	677.7	685.2	692.8	710.6	728.4	746.2	764.0	768.0	772.0
87.5°	24.9	25.0	25.0	24.9	24.9	28.8	33.0	37.2	41.4	41.0	40.4
85°	64.8	65.7	66.1	66.2	65.8	71.3	76.9	82.2	87.4	83.9	79.9
82.5°	103.2	105.1	106.8	108.7	110.7	116.3	121.9	127.2	132.2	133.9	135.4
80°	135.1	138.6	141.2	143.2	144.8	149.6	154.8	159.8	164.5	169.5	174.6
77.5°	165.9	167.0	166.4	164.8	162.2	162.9	164.0	164.6	164.7	167.3	170.3
75°	187.4	184.9	177.6	169.1	159.6	153.8	149.6	145.1	140.4	139.6	140.0
72.5°	192.1	182.3	170.3	155.3	140.5	130.3	123.4	116.7	110.3	107.2	105.4
70°	181.9	163.2	147.0	130.9	115.3	103.7	96.8	90.5	84.7	81.0	78.4
67.5°	163.8	140.7	123.6	107.1	91.9	79.9	73.8	68.3	63.2	59.5	56.8
65°	145.4	120.9	104.4	88.6	73.1	61.3	56.6	52.1	47.6	44.3	42.5
62.5°	135.2	109.5	92.4	78.5	64.5	50.8	46.1	41.4	36.7	33.1	31.6
60°	138.8	109.6	88.9	76.0	61.5	45.7	39.7	35.4	30.7	26.4	24.9
57.5°	160.6	128.7	97.7	92.7	78.0	54.7	56.9	66.2	59.2	40.9	38.8
55°	245.7	237.7	155.6	201.4	234.2	220.7	206.1	272.8	305.3	307.0	337.2
52.5°	488.2	545.8	524.3	549.3	684.7	739.6	732.4	851.6	913.5	905.1	937.3
50°	1027.8	1145.8	1291.0	1314.4	1541.6	1699.1	1737.1	1875.2	2028.7	2087.4	2153.4
47.5°	2006.0	2282.4	2422.6	2580.7	2842.2	3128.7	3350.7	3549.5	3764.9	3912.2	4090.0
45°	3267.6	3462.9	3706.9	4074.2	4473.3	4847.2	5198.4	5518.5	5729.6	5917.8	6117.6
42.5°	4305.6	4617.5	5026.8	5574.6	6142.5	6526.3	6815.1	7123.6	7453.4	7766.9	8055.9
40°	5368.3	5729.8	6379.2	7000.0	7423.7	7794.1	8189.6	8608.2	9039.3	9450.5	9859.5
37.5°	6507.4	7041.6	7610.2	8152.8	8601.1	8951.6	9493.5	9957.2	10389.2	11001.6	11563.3
35°	7719.4	8300.0	8788.6	9409.2	9910.5	10342.7	10909.8	11493.7	11867.6	12707.7	13434.9
32.5°	8925.2	9601.9	10253.3	10842.7	11464.7	12131.1	12683.0	13484.1	14093.4	14897.0	15686.9
30°	10181.7	11109.2	11922.4	12569.2	13416.5	14278.0	15052.4	15995.7	16894.0	17641.9	18479.1
27.5°	11767.1	12798.4	13790.1	14786.8	15692.0	16767.8	18000.5	18998.3	20148.3	20963.7	21839.3
25°	13449.2	14677.8	15996.7	17281.5	18469.0	19860.8	21258.3	22477.4	23669.3	24608.9	25544.6
22.5°	15278.3	16764.0	18333.8	19951.1	21556.5	23081.3	24581.4	26090.1	27463.9	28755.3	29654.9
20°	17135.9	18785.8	20692.1	22640.7	24489.2	26210.2	28012.9	29920.7	31666.5	33163.0	34271.2
17.5°	18811.6	20881.1	22977.8	25115.8	27200.5	29327.5	31564.1	33807.9	35875.0	37627.6	39098.9
15°	20321.2	22666.0	25093.3	27505.4	29902.8	32351.7	34965.2	37382.8	39699.6	41709.6	43429.7
12.5°	21809.8	24314.2	26916.2	29620.8	32462.9	35114.5	37775.3	40382.2	42810.1	45146.6	46869.9
10°	23127.3	25831.5	28617.1	31515.4	34459.0	37335.6	40140.3	42857.8	45243.3	47449.5	49534.3
7.5°	24200.9	27101.0	30074.1	33122.4	36152.0	39064.9	41921.4	44637.0	47058.3	49319.2	51451.1
5°	25126.8	28202.7	31271.1	34308.8	37357.2	40378.5	43262.5	45940.1	48462.2	50811.7	52948.2
2.5°	25882.4	29089.7	32198.7	35190.6	38226.6	41319.3	44276.0	46863.0	49499.2	51888.8	53991.8
0°	26449.4	29687.0	32696.7	35715.2	38789.0	41916.2	44890.3	47424.4	50108.2	52662.0	54661.9
-2.5°	26759.5	29807.1	32802.7	35831.2	38997.7	42214.5	45184.4	47915.8	50584.2	52978.0	54837.3
-5°	26867.3	29865.2	32850.1	35933.2	39072.2	42238.5	45198.3	47936.8	50499.3	52738.4	54434.3
-7.5°	26794.9	29763.4	32718.4	35771.2	38890.3	42018.8	44931.0	47550.6	50018.3	52139.1	53757.3
-10°	26576.6	29451.3	32407.3	35410.0	38535.7	41624.3	44478.3	46841.6	49197.7	51187.5	52717.5
-12.5°	26215.9	28968.2	31883.6	34819.6	37886.4	40855.3	43514.8	45868.0	47973.3	49988.7	51327.9
-15°	25704.1	28357.7	31144.9	34020.0	36925.5	39797.7	42390.8	44665.2	46615.6	48205.4	49615.8
-17.5°	25062.2	27622.6	30293.4	33048.5	35746.5	38479.1	40882.2	43161.5	45037.6	46452.8	47547.3
-20°	24272.1	26756.9	29311.0	31941.4	34448.1	36772.1	39088.8	41208.2	43062.6	44446.5	45498.4



REPORT NUMBER: P1305712 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-70-7F-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	23438.1	25782.3	28202.1	30573.9	32856.7	35041.4	37139.5	39084.7	40848.0	42156.5	43163.1
-25°	22489.1	24681.5	26918.9	29060.9	31145.7	33179.8	35081.5	36884.0	38423.2	39696.1	40630.7
-27.5°	21449.9	23491.2	25510.6	27502.7	29437.1	31195.4	32945.2	34572.3	35926.0	37096.6	37924.2
-30°	20314.2	22181.0	24073.6	25941.0	27614.4	29198.3	30753.0	32165.4	33406.2	34434.0	35176.4
-32.5°	19116.4	20822.0	22577.4	24266.0	25733.4	27162.4	28518.0	29756.2	30894.0	31802.2	32471.6
-35°	17878.1	19458.2	21034.6	22494.6	23862.3	25133.5	26301.6	27399.0	28341.6	29169.5	29825.8
-37.5°	16660.1	18083.4	19451.5	20726.2	21990.0	23155.8	24176.1	25139.0	25995.9	26686.4	27261.7
-40°	15465.5	16725.3	17890.1	19024.8	20154.0	21140.9	22067.4	22897.8	23656.2	24315.8	24826.9
-42.5°	14278.1	15362.9	16368.3	17389.4	18365.7	19221.6	20028.3	20747.7	21405.8	21997.0	22492.6
-45°	13086.2	14014.1	14908.8	15806.6	16617.2	17379.6	18080.8	18712.9	19300.8	19798.6	20204.9
-47.5°	11868.9	12692.1	13504.9	14282.8	14955.4	15614.0	16217.7	16785.5	17315.3	17762.9	18121.9
-50°	10706.6	11434.2	12162.0	12805.1	13370.6	13919.0	14429.9	14978.1	15468.5	15876.4	16173.1
-52.5°	9615.4	10273.3	10898.9	11425.6	11903.6	12331.9	12724.3	13233.6	13695.2	14095.7	14358.8
-55°	8621.8	9184.7	9721.1	10156.2	10555.3	10912.6	11268.7	11678.0	12050.7	12384.0	12603.8
-57.5°	7686.4	8163.6	8609.8	8976.2	9309.1	9607.7	9938.5	10280.6	10586.2	10849.3	11026.3
-60°	6799.5	7205.7	7575.8	7877.2	8153.9	8405.3	8720.0	9018.7	9282.8	9497.3	9629.5
-62.5°	5963.0	6327.3	6615.0	6857.4	7078.4	7290.2	7565.2	7823.3	8061.5	8251.8	8362.4
-65°	5197.1	5516.1	5729.9	5921.7	6095.9	6286.7	6520.6	6730.4	6916.5	7057.9	7154.1
-67.5°	4498.8	4751.2	4919.9	5072.3	5221.5	5384.7	5583.2	5766.4	5933.9	6050.3	6122.3
-70°	3848.3	4042.9	4179.6	4309.2	4433.8	4573.8	4736.4	4887.8	5027.6	5118.0	5175.4
-72.5°	3241.5	3389.8	3502.8	3614.3	3714.8	3834.8	3967.4	4091.6	4207.0	4274.9	4318.6
-75°	2675.4	2789.1	2881.6	2967.2	3045.7	3146.7	3254.1	3354.9	3448.8	3500.6	3534.2
-77.5°	2150.4	2237.5	2307.1	2370.9	2428.7	2508.8	2591.4	2669.1	2741.4	2787.7	2824.7
-80°	1705.8	1758.4	1801.2	1841.1	1877.9	1937.7	1998.4	2055.5	2109.1	2139.2	2163.1
-82.5°	1310.3	1342.2	1367.7	1390.0	1409.3	1451.0	1492.5	1531.9	1569.0	1588.4	1605.0
-85°	987.7	1004.9	1019.3	1032.2	1043.5	1072.5	1101.2	1128.9	1155.5	1161.1	1165.1
-87.5°	765.8	775.1	784.0	792.6	800.9	822.3	843.7	864.9	886.0	889.7	893.0
-90°	8.9	8.5	8.0	7.6	7.1	6.7	6.2	5.8	5.3	4.9	4.5



REPORT NUMBER: P1305712 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-70-7F-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	776.0	780.0	777.4	774.7	777.4	780.0	776.0	772.0	768.0	764.0	746.2
87.5°	39.8	39.1	39.2	39.2	39.2	39.1	39.8	40.4	41.0	41.4	37.2
85°	75.5	71.0	67.6	64.1	67.6	71.0	75.5	79.9	83.9	87.4	82.2
82.5°	136.8	138.1	137.8	137.1	137.8	138.1	136.8	135.4	133.9	132.2	127.2
80°	179.5	184.4	185.9	187.0	185.9	184.4	179.5	174.6	169.5	164.5	159.8
77.5°	173.3	176.3	177.2	178.1	177.2	176.3	173.3	170.3	167.3	164.7	164.6
75°	140.5	141.4	140.9	140.7	140.9	141.4	140.5	140.0	139.6	140.4	145.1
72.5°	103.8	102.6	101.8	101.5	101.8	102.6	103.8	105.4	107.2	110.3	116.7
70°	76.0	74.0	72.4	71.2	72.4	74.0	76.0	78.4	81.0	84.7	90.5
67.5°	54.5	52.5	51.0	49.9	51.0	52.5	54.5	56.8	59.5	63.2	68.3
65°	41.0	39.8	38.5	37.4	38.5	39.8	41.0	42.5	44.3	47.6	52.1
62.5°	30.2	29.1	28.6	28.5	28.6	29.1	30.2	31.6	33.1	36.7	41.4
60°	23.4	22.0	21.5	21.4	21.5	22.0	23.4	24.9	26.4	30.7	35.4
57.5°	35.0	30.0	27.0	24.9	27.0	30.0	35.0	38.8	40.9	59.2	66.2
55°	353.2	354.2	361.3	368.6	361.3	354.2	353.2	337.2	307.0	305.3	272.8
52.5°	962.0	958.9	950.2	933.2	950.2	958.9	962.0	937.3	905.1	913.5	851.6
50°	2193.1	2162.1	2095.0	1999.9	2095.0	2162.1	2193.1	2153.4	2087.4	2028.7	1875.2
47.5°	4329.4	4508.5	4632.4	4687.2	4632.4	4508.5	4329.4	4090.0	3912.2	3764.9	3549.5
45°	6325.5	6431.7	6493.7	6542.9	6493.7	6431.7	6325.5	6117.6	5917.8	5729.6	5518.5
42.5°	8301.9	8470.3	8553.2	8539.2	8553.2	8470.3	8301.9	8055.9	7766.9	7453.4	7123.6
40°	10252.4	10604.9	10894.1	11101.9	10894.1	10604.9	10252.4	9859.5	9450.5	9039.3	8608.2
37.5°	12118.9	12643.6	13086.9	13408.1	13086.9	12643.6	12118.9	11563.3	11001.6	10389.2	9957.2
35°	14029.9	14492.8	14796.5	14929.0	14796.5	14492.8	14029.9	13434.9	12707.7	11867.6	11493.7
32.5°	16190.6	16447.8	16502.3	16640.4	16502.3	16447.8	16190.6	15686.9	14897.0	14093.4	13484.1
30°	18988.9	19256.2	19262.7	19436.4	19262.7	19256.2	18988.9	18479.1	17641.9	16894.0	15995.7
27.5°	22529.6	22979.7	23125.8	23279.5	23125.8	22979.7	22529.6	21839.3	20963.7	20148.3	18998.3
25°	26320.9	26740.5	26874.9	26823.4	26874.9	26740.5	26320.9	25544.6	24608.9	23669.3	22477.4
22.5°	30576.4	31120.4	31318.4	31218.6	31318.4	31120.4	30576.4	29654.9	28755.3	27463.9	26090.1
20°	35339.3	36124.6	36539.5	36726.8	36539.5	36124.6	35339.3	34271.2	33163.0	31666.5	29920.7
17.5°	40352.6	41509.6	42041.0	42197.6	42041.0	41509.6	40352.6	39098.9	37627.6	35875.0	33807.9
15°	44913.3	45923.6	46612.6	46966.7	46612.6	45923.6	44913.3	43429.7	41709.6	39699.6	37382.8
12.5°	48439.7	49727.4	50800.7	51376.2	50800.7	49727.4	48439.7	46869.9	45146.6	42810.1	40382.2
10°	51314.3	52614.4	53590.3	54063.5	53590.3	52614.4	51314.3	49534.3	47449.5	45243.3	42857.8
7.5°	53303.2	54511.4	55269.1	55579.0	55269.1	54511.4	53303.2	51451.1	49319.2	47058.3	44637.0
5°	54588.7	55743.9	56304.0	56505.1	56304.0	55743.9	54588.7	52948.2	50811.7	48462.2	45940.1
2.5°	55514.2	56428.3	56876.8	56905.8	56876.8	56428.3	55514.2	53991.8	51888.8	49499.2	46863.0
0°	55937.0	56759.7	57251.2	57242.3	57251.2	56759.7	55937.0	54661.9	52662.0	50108.2	47424.4
-2.5°	55957.4	56673.3	57022.5	56825.6	57022.5	56673.3	55957.4	54837.3	52978.0	50584.2	47915.8
-5°	55558.3	56258.9	56520.7	56460.5	56520.7	56258.9	55558.3	54434.3	52738.4	50499.3	47936.8
-7.5°	54841.8	55463.5	55730.7	55739.3	55730.7	55463.5	54841.8	53757.3	52139.1	50018.3	47550.6
-10°	53749.2	54268.5	54574.6	54487.3	54574.6	54268.5	53749.2	52717.5	51187.5	49197.7	46841.6
-12.5°	52303.8	52816.4	53075.9	53023.5	53075.9	52816.4	52303.8	51327.9	49988.7	47973.3	45868.0
-15°	50574.7	51061.9	51305.1	51281.8	51305.1	51061.9	50574.7	49615.8	48205.4	46615.6	44665.2
-17.5°	48434.0	48922.4	49171.4	49205.3	49171.4	48922.4	48434.0	47547.3	46452.8	45037.6	43161.5
-20°	46190.7	46621.4	46849.5	46852.8	46849.5	46621.4	46190.7	45498.4	44446.5	43062.6	41208.2



REPORT NUMBER: P1305712 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-70-7F-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	43865.2	44348.8	44619.5	44578.6	44619.5	44348.8	43865.2	43163.1	42156.5	40848.0	39084.7
-25°	41273.2	41757.9	42021.0	42010.6	42021.0	41757.9	41273.2	40630.7	39696.1	38423.2	36884.0
-27.5°	38506.1	38971.9	39225.9	39257.4	39225.9	38971.9	38506.1	37924.2	37096.6	35926.0	34572.3
-30°	35718.8	36178.1	36426.9	36447.2	36426.9	36178.1	35718.8	35176.4	34434.0	33406.2	32165.4
-32.5°	32987.5	33402.3	33632.1	33656.6	33632.1	33402.3	32987.5	32471.6	31802.2	30894.0	29756.2
-35°	30322.8	30687.2	30893.4	30960.3	30893.4	30687.2	30322.8	29825.8	29169.5	28341.6	27399.0
-37.5°	27729.4	28058.9	28258.0	28379.9	28258.0	28058.9	27729.4	27261.7	26686.4	25995.9	25139.0
-40°	25224.5	25513.1	25671.9	25674.7	25671.9	25513.1	25224.5	24826.9	24315.8	23656.2	22897.8
-42.5°	22859.8	23102.7	23224.1	23226.0	23224.1	23102.7	22859.8	22492.6	21997.0	21405.8	20747.7
-45°	20532.2	20769.9	20938.2	21044.5	20938.2	20769.9	20532.2	20204.9	19798.6	19300.8	18712.9
-47.5°	18395.8	18590.7	18724.2	18797.0	18724.2	18590.7	18395.8	18121.9	17762.9	17315.3	16785.5
-50°	16390.5	16546.3	16660.2	16727.7	16660.2	16546.3	16390.5	16173.1	15876.4	15468.5	14978.1
-52.5°	14537.3	14651.1	14691.9	14665.4	14691.9	14651.1	14537.3	14358.8	14095.7	13695.2	13233.6
-55°	12768.6	12882.0	12927.3	12911.3	12927.3	12882.0	12768.6	12603.8	12384.0	12050.7	11678.0
-57.5°	11165.6	11266.1	11346.6	11395.8	11346.6	11266.1	11165.6	11026.3	10849.3	10586.2	10280.6
-60°	9733.6	9808.0	9858.5	9878.5	9858.5	9808.0	9733.6	9629.5	9497.3	9282.8	9018.7
-62.5°	8440.2	8486.4	8522.4	8537.5	8522.4	8486.4	8440.2	8362.4	8251.8	8061.5	7823.3
-65°	7230.9	7287.3	7280.5	7241.0	7280.5	7287.3	7230.9	7154.1	7057.9	6916.5	6730.4
-67.5°	6176.6	6213.3	6244.9	6261.5	6244.9	6213.3	6176.6	6122.3	6050.3	5933.9	5766.4
-70°	5219.2	5249.3	5260.5	5257.1	5260.5	5249.3	5219.2	5175.4	5118.0	5027.6	4887.8
-72.5°	4351.5	4373.5	4377.8	4370.2	4377.8	4373.5	4351.5	4318.6	4274.9	4207.0	4091.6
-75°	3558.0	3572.6	3580.0	3579.5	3580.0	3572.6	3558.0	3534.2	3500.6	3448.8	3354.9
-77.5°	2855.6	2880.2	2869.8	2851.2	2869.8	2880.2	2855.6	2824.7	2787.7	2741.4	2669.1
-80°	2182.6	2197.6	2189.4	2176.2	2189.4	2197.6	2182.6	2163.1	2139.2	2109.1	2055.5
-82.5°	1619.3	1631.2	1617.7	1601.0	1617.7	1631.2	1619.3	1605.0	1588.4	1569.0	1531.9
-85°	1168.0	1169.7	1168.6	1166.5	1168.6	1169.7	1168.0	1165.1	1161.1	1155.5	1128.9
-87.5°	896.0	898.8	896.5	894.0	896.5	898.8	896.0	893.0	889.7	886.0	864.9
-90°	4.0	3.6	4.5	5.3	4.5	3.6	4.0	4.5	4.9	5.3	5.8



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	728.4	710.6	692.8	685.2	677.7	670.1	662.5	638.5	614.4	590.4	566.3
87.5°	33.0	28.8	24.9	24.9	25.0	25.0	24.9	23.1	21.4	19.8	18.3
85°	76.9	71.3	65.8	66.2	66.1	65.7	64.8	59.8	54.7	49.4	44.2
82.5°	121.9	116.3	110.7	108.7	106.8	105.1	103.2	98.0	92.7	87.1	81.2
80°	154.8	149.6	144.8	143.2	141.2	138.6	135.1	129.4	123.2	116.6	109.5
77.5°	164.0	162.9	162.2	164.8	166.4	167.0	165.9	161.4	155.1	148.1	139.4
75°	149.6	153.8	159.6	169.1	177.6	184.9	187.4	185.8	182.6	177.8	169.1
72.5°	123.4	130.3	140.5	155.3	170.3	182.3	192.1	199.3	203.5	204.5	197.8
70°	96.8	103.7	115.3	130.9	147.0	163.2	181.9	200.1	216.0	224.1	220.0
67.5°	73.8	79.9	91.9	107.1	123.6	140.7	163.8	187.6	208.6	226.2	233.3
65°	56.6	61.3	73.1	88.6	104.4	120.9	145.4	170.2	195.4	219.6	235.8
62.5°	46.1	50.8	64.5	78.5	92.4	109.5	135.2	161.2	185.0	208.7	233.6
60°	39.7	45.7	61.5	76.0	88.9	109.6	138.8	163.4	183.0	215.5	242.1
57.5°	56.9	54.7	78.0	92.7	97.7	128.7	160.6	180.5	200.6	243.5	265.9
55°	206.1	220.7	234.2	201.4	155.6	237.7	245.7	227.8	264.9	298.7	330.1
52.5°	732.4	739.6	684.7	549.3	524.3	545.8	488.2	465.9	441.9	479.6	459.7
50°	1737.1	1699.1	1541.6	1314.4	1291.0	1145.8	1027.8	900.2	901.6	847.1	727.9
47.5°	3350.7	3128.7	2842.2	2580.7	2422.6	2282.4	2006.0	1643.2	1619.6	1420.0	1239.6
45°	5198.4	4847.2	4473.3	4074.2	3706.9	3462.9	3267.6	2901.5	2548.5	2310.2	1899.4
42.5°	6815.1	6526.3	6142.5	5574.6	5026.8	4617.5	4305.6	4003.4	3638.7	3293.2	2884.5
40°	8189.6	7794.1	7423.7	7000.0	6379.2	5729.8	5368.3	4971.9	4598.5	4208.4	3794.5
37.5°	9493.5	8951.6	8601.1	8152.8	7610.2	7041.6	6507.4	6023.6	5501.4	5063.7	4593.3
35°	10909.8	10342.7	9910.5	9409.2	8788.6	8300.0	7719.4	7115.0	6527.9	5928.1	5391.2
32.5°	12683.0	12131.1	11464.7	10842.7	10253.3	9601.9	8925.2	8213.3	7590.4	6891.1	6208.7
30°	15052.4	14278.0	13416.5	12569.2	11922.4	11109.2	10181.7	9464.4	8717.1	7889.3	7051.5
27.5°	18000.5	16767.8	15692.0	14786.8	13790.1	12798.4	11767.1	10788.2	9901.1	8952.2	7976.7
25°	21258.3	19860.8	18469.0	17281.5	15996.7	14677.8	13449.2	12269.2	11162.7	10050.9	8853.8
22.5°	24581.4	23081.3	21556.5	19951.1	18333.8	16764.0	15278.3	13770.6	12425.9	11111.6	9788.6
20°	28012.9	26210.2	24489.2	22640.7	20692.1	18785.8	17135.9	15355.2	13715.1	12187.7	10716.1
17.5°	31564.1	29327.5	27200.5	25115.8	22977.8	20881.1	18811.6	16846.6	14991.5	13244.5	11613.8
15°	34965.2	32351.7	29902.8	27505.4	25093.3	22666.0	20321.2	18196.8	16248.6	14320.0	12496.2
12.5°	37775.3	35114.5	32462.9	29620.8	26916.2	24314.2	21809.8	19493.8	17370.2	15238.4	13240.8
10°	40140.3	37335.6	34459.0	31515.4	28617.1	25831.5	23127.3	20548.4	18179.9	15983.5	13906.5
7.5°	41921.4	39064.9	36152.0	33122.4	30074.1	27101.0	24200.9	21446.9	18900.8	16613.1	14489.7
5°	43262.5	40378.5	37357.2	34308.8	31271.1	28202.7	25126.8	22222.6	19521.0	17129.2	14987.1
2.5°	44276.0	41319.3	38226.6	35190.6	32198.7	29089.7	25882.4	22853.0	20100.2	17593.6	15313.4
0°	44890.3	41916.2	38789.0	35715.2	32696.7	29687.0	26449.4	23318.6	20590.4	17970.7	15550.5
-2.5°	45184.4	42214.5	38997.7	35831.2	32802.7	29807.1	26759.5	23720.0	20899.6	18328.5	15880.6
-5°	45198.3	42238.5	39072.2	35933.2	32850.1	29865.2	26867.3	23927.3	21107.8	18562.7	16110.1
-7.5°	44931.0	42018.8	38890.3	35771.2	32718.4	29763.4	26794.9	23959.7	21232.1	18650.3	16224.3
-10°	44478.3	41624.3	38535.7	35410.0	32407.3	29451.3	26576.6	23870.9	21202.8	18624.1	16241.1
-12.5°	43514.8	40855.3	37886.4	34819.6	31883.6	28968.2	26215.9	23644.6	21014.5	18486.8	16161.8
-15°	42390.8	39797.7	36925.5	34020.0	31144.9	28357.7	25704.1	23186.8	20630.6	18231.9	15988.5
-17.5°	40882.2	38479.1	35746.5	33048.5	30293.4	27622.6	25062.2	22605.0	20187.5	17865.8	15668.1
-20°	39088.8	36772.1	34448.1	31941.4	29311.0	26756.9	24272.1	21953.3	19658.6	17399.3	15288.2



REPORT NUMBER: P1305712 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	37139.5	35041.4	32856.7	30573.9	28202.1	25782.3	23438.1	21214.4	19027.6	16805.0	14831.3
-25°	35081.5	33179.8	31145.7	29060.9	26918.9	24681.5	22489.1	20368.1	18251.3	16171.2	14308.4
-27.5°	32945.2	31195.4	29437.1	27502.7	25510.6	23491.2	21449.9	19425.7	17396.1	15525.9	13761.9
-30°	30753.0	29198.3	27614.4	25941.0	24073.6	22181.0	20314.2	18438.0	16577.6	14814.3	13143.4
-32.5°	28518.0	27162.4	25733.4	24266.0	22577.4	20822.0	19116.4	17432.2	15708.0	14076.0	12534.4
-35°	26301.6	25133.5	23862.3	22494.6	21034.6	19458.2	17878.1	16345.1	14828.4	13294.8	11877.0
-37.5°	24176.1	23155.8	21990.0	20726.2	19451.5	18083.4	16660.1	15263.5	13870.7	12514.7	11186.1
-40°	22067.4	21140.9	20154.0	19024.8	17890.1	16725.3	15465.5	14172.2	12923.7	11700.5	10465.3
-42.5°	20028.3	19221.6	18365.7	17389.4	16368.3	15362.9	14278.1	13109.9	11957.2	10846.2	9769.6
-45°	18080.8	17379.6	16617.2	15806.6	14908.8	14014.1	13086.2	12038.3	10988.8	10007.1	9037.9
-47.5°	16217.7	15614.0	14955.4	14282.8	13504.9	12692.1	11868.9	10959.9	10063.0	9162.7	8323.3
-50°	14429.9	13919.0	13370.6	12805.1	12162.0	11434.2	10706.6	9962.2	9153.7	8374.2	7606.6
-52.5°	12724.3	12331.9	11903.6	11425.6	10898.9	10273.3	9615.4	8985.3	8292.3	7606.2	6924.1
-55°	11268.7	10912.6	10555.3	10156.2	9721.1	9184.7	8621.8	8057.8	7488.5	6860.6	6269.3
-57.5°	9938.5	9607.7	9309.1	8976.2	8609.8	8163.6	7686.4	7190.7	6702.9	6161.5	5623.3
-60°	8720.0	8405.3	8153.9	7877.2	7575.8	7205.7	6799.5	6372.8	5926.4	5483.1	5027.8
-62.5°	7565.2	7290.2	7078.4	6857.4	6615.0	6327.3	5963.0	5601.5	5224.1	4830.7	4459.9
-65°	6520.6	6286.7	6095.9	5921.7	5729.9	5516.1	5197.1	4882.0	4569.4	4247.4	3916.1
-67.5°	5583.2	5384.7	5221.5	5072.3	4919.9	4751.2	4498.8	4224.0	3959.0	3695.9	3416.1
-70°	4736.4	4573.8	4433.8	4309.2	4179.6	4042.9	3848.3	3623.9	3394.5	3170.2	2936.4
-72.5°	3967.4	3834.8	3714.8	3614.3	3502.8	3389.8	3241.5	3057.1	2866.9	2671.3	2475.9
-75°	3254.1	3146.7	3045.7	2967.2	2881.6	2789.1	2675.4	2525.3	2373.3	2219.9	2063.6
-77.5°	2591.4	2508.8	2428.7	2370.9	2307.1	2237.5	2150.4	2031.4	1919.6	1805.5	1688.9
-80°	1998.4	1937.7	1877.9	1841.1	1801.2	1758.4	1705.8	1614.7	1521.4	1431.1	1344.7
-82.5°	1492.5	1451.0	1409.3	1390.0	1367.7	1342.2	1310.3	1244.2	1177.1	1109.2	1040.9
-85°	1101.2	1072.5	1043.5	1032.2	1019.3	1004.9	987.7	944.4	900.3	855.5	810.1
-87.5°	843.7	822.3	800.9	792.6	784.0	775.1	765.8	736.7	707.6	678.4	649.2
-90°	6.2	6.7	7.1	7.6	8.0	8.5	8.9	9.4	9.8	10.3	10.7



REPORT NUMBER: P1305712 (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°	540.5	514.7	488.8	463.0	436.8	410.5	384.3	358.0	328.2	298.3	268.5
87.5°	19.6	20.8	21.8	22.7	22.3	21.8	21.3	20.8	21.6	22.2	22.5
85°	41.4	39.1	37.2	35.8	33.8	31.2	30.2	29.2	30.4	31.1	31.2
82.5°	75.1	68.5	62.4	57.4	55.9	53.5	50.2	46.1	43.7	40.7	40.0
80°	100.6	92.1	84.0	77.5	76.6	76.0	72.5	68.0	64.5	60.0	54.7
77.5°	127.6	115.9	104.2	95.7	93.1	90.7	88.8	88.0	85.2	79.3	72.2
75°	155.9	142.1	128.5	119.0	113.7	105.2	101.6	102.0	105.0	98.9	89.8
72.5°	184.9	170.4	154.3	145.1	142.2	134.7	122.4	117.7	125.4	122.8	109.5
70°	210.8	199.0	183.4	179.4	175.7	165.8	154.4	151.2	147.8	147.7	136.0
67.5°	234.6	224.1	210.4	216.0	215.5	206.5	189.0	190.6	189.4	174.3	163.3
65°	242.1	242.8	239.7	254.9	258.2	250.1	233.4	236.1	232.9	217.9	191.6
62.5°	249.7	256.5	268.4	296.1	304.5	298.2	283.2	292.9	280.9	262.8	230.8
60°	258.3	271.2	303.9	338.7	353.9	349.9	346.5	353.3	341.6	309.3	275.0
57.5°	286.6	292.3	350.9	390.9	408.0	406.1	417.5	424.0	405.1	367.9	320.9
55°	333.0	355.3	420.8	457.6	473.0	468.1	499.4	503.0	474.3	431.2	370.0
52.5°	424.3	475.2	531.7	551.6	554.1	555.0	597.6	588.0	556.4	496.6	431.9
50°	629.0	673.8	703.6	691.9	654.8	686.7	707.9	694.8	642.8	568.0	496.5
47.5°	1060.9	1042.4	965.5	881.5	814.3	842.0	854.5	812.7	733.7	651.4	562.5
45°	1726.1	1572.4	1365.5	1185.7	1043.0	1058.8	1027.0	940.1	850.9	741.6	629.8
42.5°	2449.5	2217.7	1954.3	1530.3	1395.5	1311.1	1218.6	1111.5	975.3	834.7	706.0
40°	3298.8	2899.7	2594.9	2137.7	1771.1	1586.9	1465.2	1302.1	1105.5	936.1	788.9
37.5°	4101.5	3613.0	3231.1	2710.8	2185.3	1935.8	1732.5	1506.0	1244.9	1049.4	872.8
35°	4843.5	4305.7	3773.9	3227.8	2678.8	2286.0	2015.1	1733.6	1407.1	1161.7	957.7
32.5°	5569.3	4944.4	4326.5	3715.4	3132.4	2636.5	2322.6	1934.0	1562.8	1272.7	1043.2
30°	6315.6	5586.5	4876.8	4187.1	3554.8	3027.0	2600.1	2121.9	1711.7	1382.1	1130.6
27.5°	7064.9	6220.1	5428.7	4673.0	3974.1	3384.7	2812.1	2297.0	1853.4	1496.5	1221.8
25°	7833.0	6888.1	5998.2	5158.7	4376.2	3659.9	3015.4	2460.1	1998.0	1617.0	1310.5
22.5°	8613.8	7565.4	6552.6	5632.0	4710.1	3937.2	3228.5	2631.5	2137.6	1731.0	1396.5
20°	9348.6	8232.6	7071.3	6011.9	5039.8	4224.2	3455.2	2793.2	2266.2	1838.3	1479.5
17.5°	10057.2	8832.7	7532.1	6383.9	5359.2	4487.9	3676.1	2944.5	2383.9	1938.7	1559.1
15°	10790.6	9358.6	7977.8	6725.9	5650.6	4728.3	3889.1	3084.9	2490.8	2032.2	1626.0
12.5°	11447.1	9869.6	8394.0	7036.4	5913.3	4945.3	4091.4	3213.7	2587.1	2114.5	1678.2
10°	12031.3	10356.8	8775.7	7313.8	6146.7	5139.0	4280.7	3344.9	2700.3	2188.5	1726.7
7.5°	12542.7	10810.8	9117.9	7556.7	6352.5	5299.9	4424.1	3494.4	2812.4	2257.1	1770.9
5°	12963.3	11186.5	9446.7	7837.0	6542.8	5430.6	4533.9	3631.1	2918.0	2319.4	1810.2
2.5°	13237.6	11442.5	9741.1	8097.4	6705.9	5541.0	4617.4	3754.2	3015.3	2374.7	1844.0
0°	13440.2	11630.8	9980.0	8320.2	6838.5	5629.3	4678.3	3862.7	3102.3	2422.0	1871.7
-2.5°	13701.2	11815.2	10129.1	8496.7	7023.9	5785.8	4781.8	3931.3	3163.3	2481.1	1917.7
-5°	13881.0	11936.0	10226.2	8629.5	7173.7	5914.6	4864.6	3984.3	3212.1	2530.9	1956.5
-7.5°	14006.6	12033.5	10291.0	8717.6	7286.3	6012.1	4924.5	4021.3	3248.9	2571.2	1987.9
-10°	14054.8	12086.0	10326.0	8743.7	7321.7	6058.1	4960.0	4042.3	3273.9	2601.5	2011.3
-12.5°	14016.6	12061.0	10299.1	8722.4	7310.8	6057.1	4973.4	4058.8	3288.0	2621.4	2026.5
-15°	13891.2	11955.3	10208.5	8653.2	7259.9	6026.1	4964.5	4062.8	3293.8	2628.2	2033.2
-17.5°	13667.6	11766.8	10052.5	8535.6	7168.5	5964.9	4933.4	4047.7	3285.1	2620.7	2028.5
-20°	13351.7	11519.2	9839.7	8369.6	7036.2	5873.5	4880.1	4013.2	3261.7	2601.5	2013.5



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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°	12974.6	11237.9	9635.4	8182.7	6881.8	5752.1	4804.7	3958.8	3223.1	2570.5	1990.5
-25°	12533.0	10908.3	9377.2	7979.0	6720.1	5644.8	4718.0	3884.4	3169.3	2527.4	1959.5
-27.5°	12095.4	10542.0	9060.4	7734.9	6547.8	5514.5	4619.1	3811.4	3104.2	2472.2	1920.6
-30°	11636.9	10143.2	8739.5	7467.6	6341.5	5366.4	4496.8	3721.2	3032.4	2414.1	1873.6
-32.5°	11101.9	9681.7	8390.2	7208.1	6135.7	5187.5	4351.8	3612.8	2945.9	2352.0	1828.8
-35°	10514.4	9217.3	8007.0	6912.6	5906.4	5005.9	4196.7	3486.5	2844.8	2280.8	1780.3
-37.5°	9889.8	8723.3	7647.9	6599.6	5638.5	4798.2	4040.6	3355.4	2729.3	2200.7	1725.1
-40°	9308.2	8215.1	7217.3	6268.2	5372.0	4564.9	3864.9	3217.4	2621.1	2111.8	1663.4
-42.5°	8686.8	7706.0	6777.5	5889.2	5089.7	4349.7	3673.6	3066.3	2513.8	2027.4	1595.3
-45°	8091.4	7176.0	6317.4	5532.3	4789.1	4114.6	3492.1	2906.5	2393.7	1941.9	1525.7
-47.5°	7471.6	6648.5	5871.4	5150.0	4505.8	3870.5	3296.9	2755.9	2261.0	1849.2	1456.0
-50°	6872.2	6125.6	5428.2	4787.4	4188.7	3641.3	3093.7	2590.1	2142.0	1745.6	1379.4
-52.5°	6267.9	5617.4	4998.1	4418.5	3894.4	3398.5	2889.9	2413.3	2012.7	1640.8	1296.2
-55°	5679.0	5128.3	4573.4	4065.1	3591.7	3141.8	2669.9	2254.2	1873.4	1531.4	1208.5
-57.5°	5129.5	4640.4	4168.0	3713.1	3280.6	2864.1	2461.7	2083.9	1735.3	1414.8	1130.3
-60°	4587.0	4181.6	3763.2	3356.2	2960.7	2597.0	2256.5	1908.5	1592.0	1295.8	1044.8
-62.5°	4088.4	3722.5	3362.1	2991.6	2656.1	2345.1	2043.6	1735.2	1441.0	1187.8	953.7
-65°	3602.4	3280.7	2955.1	2657.3	2366.5	2090.8	1833.7	1553.6	1303.5	1074.5	864.8
-67.5°	3127.9	2860.4	2594.5	2328.1	2085.8	1849.8	1614.3	1385.6	1165.4	956.3	788.5
-70°	2698.3	2460.7	2242.5	2030.6	1816.8	1607.9	1418.3	1220.2	1021.9	861.6	709.2
-72.5°	2289.0	2103.4	1919.8	1735.5	1564.3	1393.6	1223.5	1057.2	907.7	764.3	627.3
-75°	1904.7	1761.1	1620.7	1476.9	1325.8	1177.4	1049.9	922.8	790.8	664.2	558.2
-77.5°	1570.5	1452.3	1334.6	1225.1	1110.5	999.2	891.6	784.9	678.1	583.0	492.6
-80°	1259.2	1173.4	1087.7	1000.7	907.8	818.3	742.8	666.7	582.6	502.1	425.4
-82.5°	974.1	915.8	859.3	801.5	738.7	676.4	614.8	553.4	485.1	419.5	369.1
-85°	765.9	721.0	675.5	629.3	581.0	533.2	497.9	462.1	419.7	377.7	336.1
-87.5°	620.5	591.7	562.6	533.2	502.7	472.1	441.3	410.4	374.2	338.3	302.5
-90°	11.2	11.6	12.1	12.5	12.5	12.5	12.5	12.5	12.9	13.4	13.8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	238.6	197.7	156.7	115.8	74.8	43.7	12.5
87.5°	22.5	21.8	20.9	19.6	18.1	15.8	12.5
85°	30.8	29.5	27.5	25.0	22.0	18.3	12.5
82.5°	39.2	37.1	34.2	30.4	25.9	20.8	12.5
80°	48.5	44.7	40.8	35.8	29.8	23.3	12.5
77.5°	64.5	55.4	47.5	41.2	33.7	25.7	12.5
75°	80.9	71.9	55.7	46.6	37.6	28.2	12.5
72.5°	97.7	88.6	71.2	51.9	41.6	30.6	12.5
70°	116.3	105.5	86.7	58.7	45.6	33.0	12.5
67.5°	144.8	122.7	102.4	71.8	49.6	35.5	12.5
65°	174.0	145.3	118.1	84.9	53.7	37.8	12.5
62.5°	204.1	173.2	134.0	98.0	57.7	40.2	12.5
60°	235.0	201.6	150.0	111.0	61.8	42.6	12.5
57.5°	277.5	230.4	174.4	124.0	71.3	44.9	12.5
55°	322.3	259.7	199.3	136.9	80.7	47.2	12.5
52.5°	367.9	291.1	224.3	149.8	90.0	49.4	12.5
50°	414.3	331.0	249.3	162.6	99.0	51.6	12.5
47.5°	463.0	371.2	274.3	176.8	108.0	53.8	12.5
45°	521.3	411.5	299.3	195.7	116.7	56.0	12.5
42.5°	580.0	451.9	324.2	214.3	125.2	58.1	12.5
40°	639.0	492.3	352.5	232.6	133.5	60.1	12.5
37.5°	698.2	532.6	383.9	250.6	141.6	62.1	12.5
35°	757.4	577.6	414.8	267.9	149.4	64.0	12.5
32.5°	819.7	624.6	445.0	284.6	156.9	65.9	12.5
30°	889.0	670.8	474.6	300.6	164.1	67.7	12.5
27.5°	957.5	716.0	501.5	315.9	171.0	69.4	12.5
25°	1024.8	760.1	526.9	330.4	177.6	71.0	12.5
22.5°	1090.7	800.9	551.0	344.2	183.8	72.6	12.5
20°	1154.8	834.7	573.7	357.1	189.6	74.0	12.5
17.5°	1205.2	866.0	594.8	369.2	195.1	75.4	12.5
15°	1244.3	894.7	614.4	380.3	200.1	76.7	12.5
12.5°	1278.9	920.7	632.3	390.5	204.8	77.8	12.5
10°	1308.9	943.9	648.5	399.7	208.9	78.9	12.5
7.5°	1334.3	964.3	662.9	407.8	212.6	79.8	12.5
5°	1355.3	981.8	675.4	414.9	215.9	80.6	12.5
2.5°	1371.7	996.4	685.9	420.8	218.6	81.3	12.5
0°	1383.7	1008.0	694.5	425.6	220.8	81.9	12.5
-2.5°	1417.0	1026.8	705.9	432.0	224.2	83.5	12.5
-5°	1445.4	1042.4	715.0	437.3	227.0	85.0	12.5
-7.5°	1468.6	1054.6	722.0	441.2	229.4	86.3	12.5
-10°	1486.0	1063.2	726.6	443.9	231.1	87.5	12.5
-12.5°	1497.3	1068.2	728.8	445.3	232.3	88.5	12.5
-15°	1502.2	1069.4	728.6	445.3	232.9	89.4	12.5
-17.5°	1500.2	1066.6	725.8	444.0	232.9	90.1	12.5
-20°	1491.9	1059.8	720.5	441.3	232.4	90.7	12.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1478.8	1048.9	712.5	437.2	231.3	91.1	12.5
-25°	1459.8	1038.1	701.9	431.7	229.6	91.3	12.5
-27.5°	1435.1	1024.8	688.6	424.7	227.3	91.4	12.5
-30°	1404.7	1007.0	673.0	416.4	224.5	91.3	12.5
-32.5°	1368.5	984.7	658.9	406.6	221.1	91.0	12.5
-35°	1334.7	958.0	641.9	395.4	217.1	90.6	12.5
-37.5°	1298.6	929.3	622.0	382.9	212.5	90.0	12.5
-40°	1256.6	901.7	599.4	368.9	207.4	89.2	12.5
-42.5°	1208.8	870.2	578.4	354.5	201.8	88.3	12.5
-45°	1155.4	835.0	559.4	340.2	195.6	87.2	12.5
-47.5°	1096.4	796.2	538.3	324.5	188.9	85.9	12.5
-50°	1042.8	753.7	514.9	313.4	181.7	84.5	12.5
-52.5°	986.4	707.8	489.4	303.1	174.0	82.9	12.5
-55°	925.7	670.0	461.9	291.6	165.9	81.2	12.5
-57.5°	860.7	631.6	432.4	279.0	157.2	79.3	12.5
-60°	793.8	590.6	401.6	265.4	148.2	77.3	12.5
-62.5°	739.2	547.1	380.2	250.8	143.5	75.1	12.5
-65°	681.5	501.3	357.4	235.2	138.5	72.8	12.5
-67.5°	620.9	460.6	333.1	218.7	133.2	70.4	12.5
-70°	557.6	425.6	307.6	201.4	127.7	67.8	12.5
-72.5°	507.3	388.8	280.8	190.6	121.8	65.1	12.5
-75°	457.1	350.5	252.9	181.1	115.7	62.3	12.5
-77.5°	405.1	310.8	236.0	171.1	109.4	59.4	12.5
-80°	351.6	283.6	221.1	160.7	102.8	56.4	12.5
-82.5°	321.8	262.9	205.6	149.9	96.1	53.4	12.5
-85°	294.7	241.7	189.7	138.8	89.1	50.2	12.5
-87.5°	266.9	219.9	173.4	127.4	82.0	47.0	12.5
-90°	14.2	14.2	14.2	14.2	14.2	13.4	12.5

(END OF REPORT)