

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: LUMARK

Report Number: P622897 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF120-XX-PC-70W-7030**

Issue Date: 10/4/2022

Test Information

Test Method: LM-79-08
Report Number: P622897 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (2022-09-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/4/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LSF120-XX-PC-70W-7030
Description: Flood light with selectable wattage and CCT
Light Source: (1) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

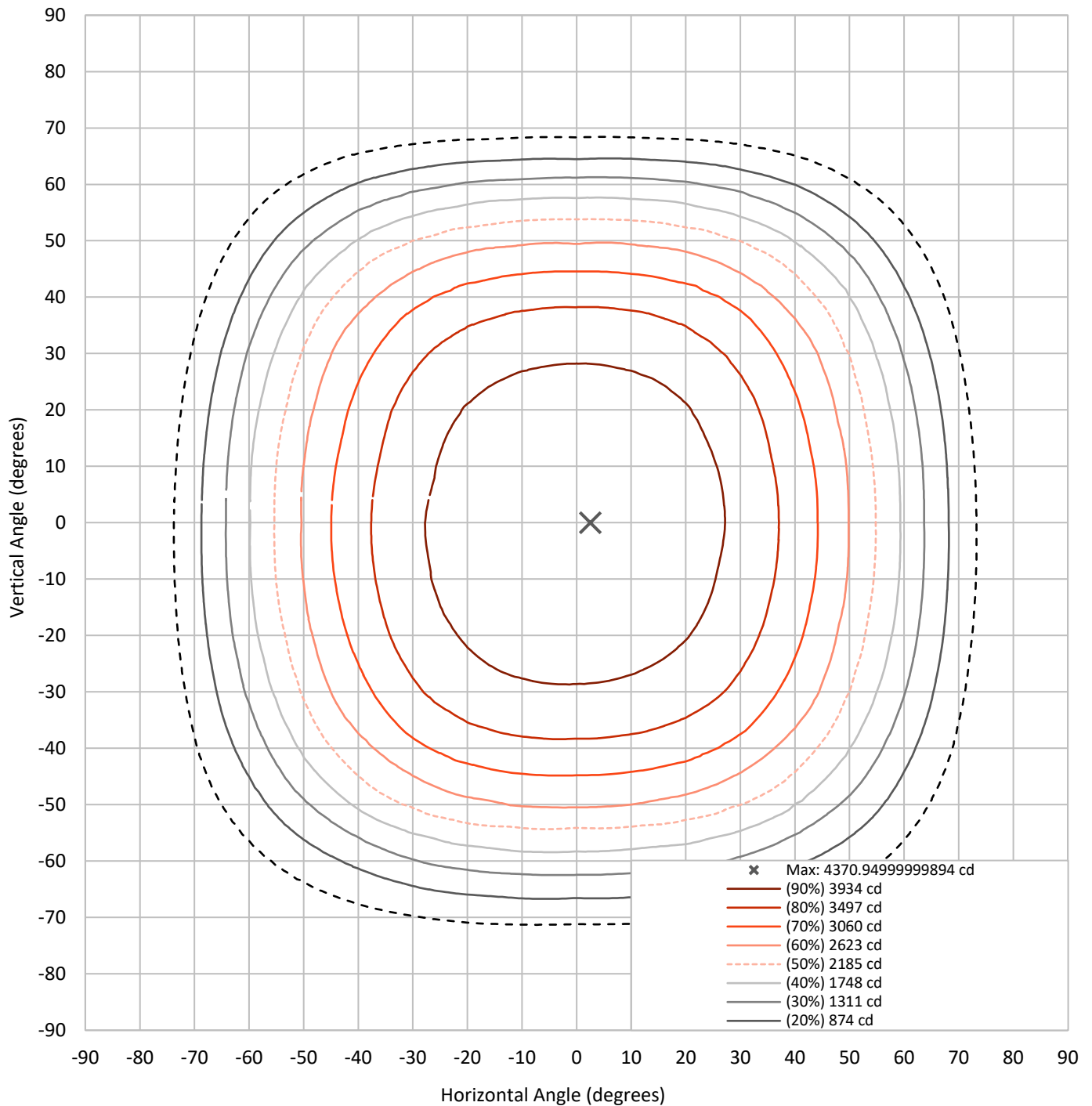
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	11608.8 lumens	Max Intensity:	4370.9 candela
Efficiency:	N/A	Max Intensity Angle:	2.5°H x 0°V
Efficacy:	167.3 lumens/watt		
Luminous Opening:	Rectangular (W 0.18m x L: 2.6m x H: 0m)		
Beam Angle (50%):	110.3°H x 108°V	Field Angle (10%):	147°H x 139.6°V
Beam Lumens:	9388.9 lumens	Field Lumens:	11416 lumens
Beam Efficiency:	80.9%	Field Efficiency:	98.3%
Input Watts (W):	69.4		
Input Voltage (V):	120		
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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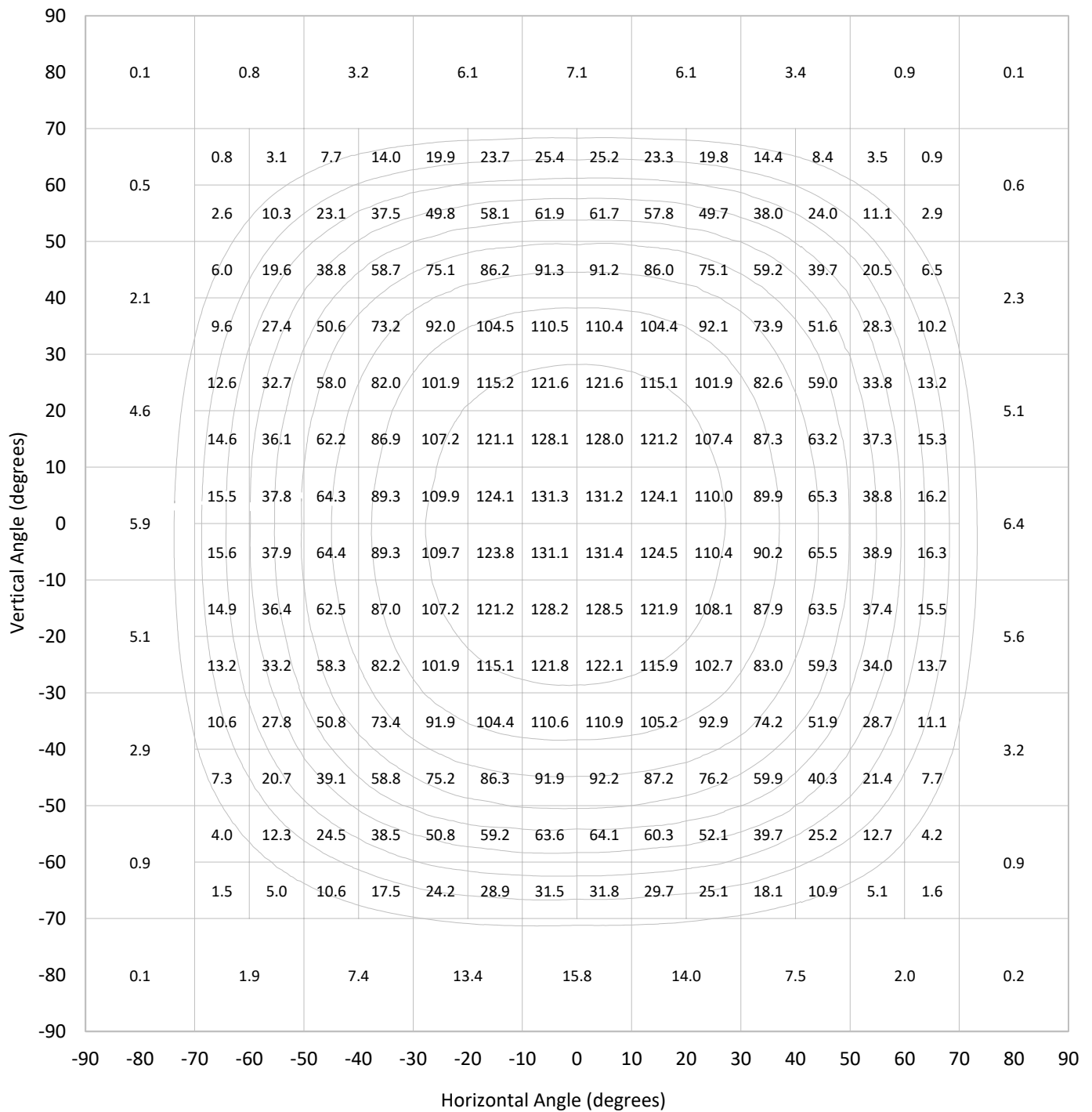
Iso-Candela Plot





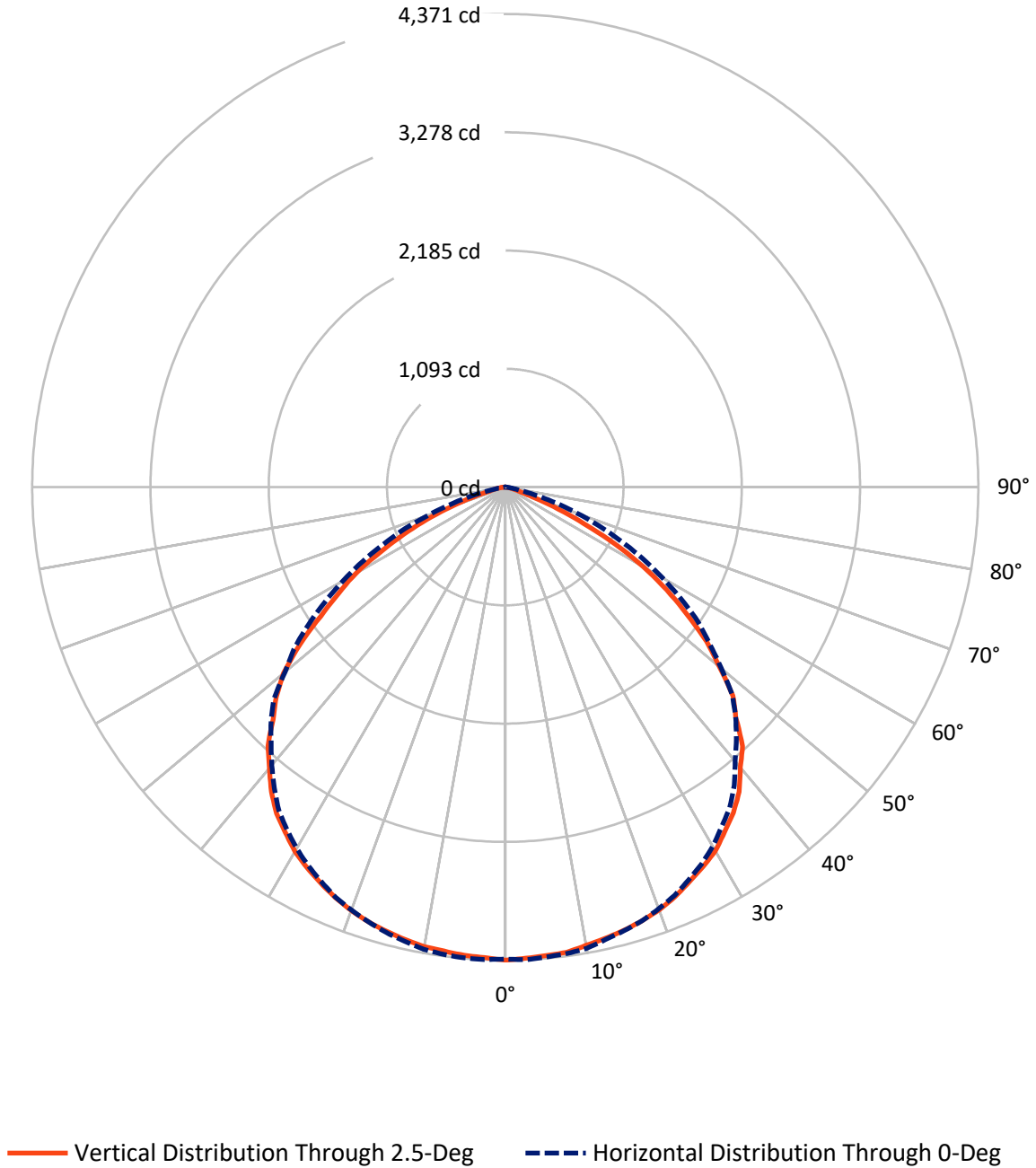
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Lumen Table



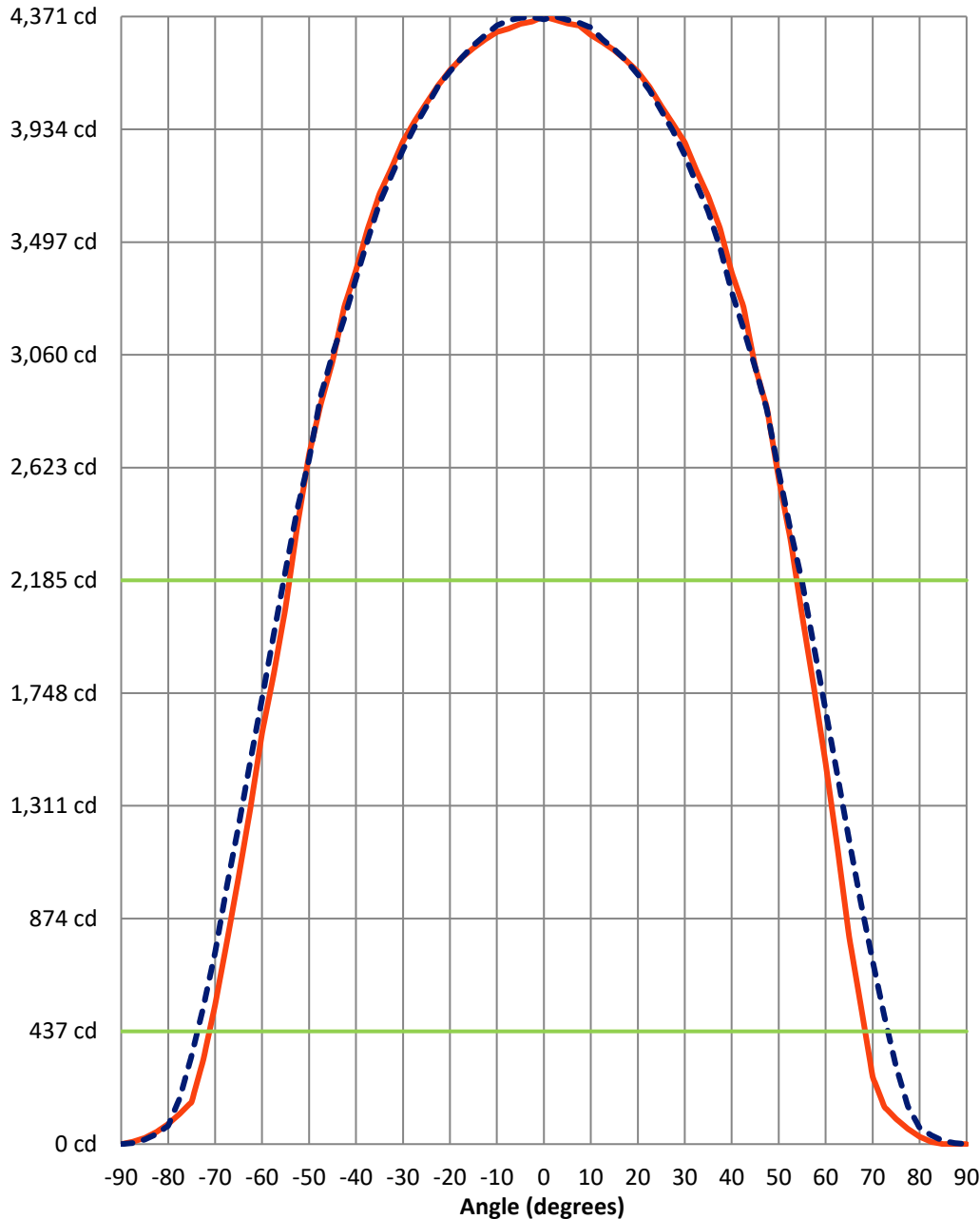
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 110.3°
 V Angle: 108°
 Lumens: 9388.9
 Efficiency: 80.9%

Field:
 H Angle: 147°
 V Angle: 139.6°
 Lumens: 11416
 Efficiency: 98.3%

Spill:
 Lumens: 192.8
 Efficiency: 1.7%

— 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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.0	0.3	0.4	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7
82.5°	0.0	0.4	0.7	0.8	1.0	1.0	1.0	1.4	1.8	2.0	2.2
80°	0.0	0.5	0.9	1.2	1.4	1.7	2.5	3.1	3.7	4.4	5.2
77.5°	0.0	0.6	1.1	1.5	2.1	3.1	4.1	5.0	6.0	7.0	8.5
75°	0.0	0.7	1.4	1.9	3.2	4.6	5.8	6.9	8.4	11.1	14.0
72.5°	0.0	0.9	1.7	2.6	4.2	6.3	7.5	9.5	13.1	17.7	22.9
70°	0.0	1.0	1.9	3.5	5.8	8.0	9.5	14.0	19.7	26.7	34.5
67.5°	0.0	1.1	2.2	4.3	7.4	9.8	13.7	19.8	28.1	37.5	47.4
65°	0.0	1.2	2.6	5.4	9.0	12.3	18.3	26.9	37.7	48.8	60.6
62.5°	0.0	1.4	3.1	6.7	10.7	15.6	23.5	35.2	47.5	60.3	76.5
60°	0.0	1.5	3.7	8.0	12.3	19.3	30.1	43.5	57.0	73.4	100.1
57.5°	0.0	1.7	4.2	9.3	14.8	23.6	37.0	51.7	68.2	90.9	138.6
55°	0.0	1.8	4.7	10.7	17.2	28.2	43.8	59.7	81.0	119.3	197.4
52.5°	0.0	1.9	5.3	12.0	19.7	33.6	50.5	69.9	95.6	163.1	267.2
50°	0.0	2.1	6.1	13.3	23.0	38.7	57.3	81.6	121.0	218.4	333.2
47.5°	0.0	2.2	7.0	14.7	26.1	43.9	64.4	96.3	157.6	278.3	406.8
45°	0.0	2.3	7.9	16.3	29.3	49.0	74.4	115.8	205.1	335.4	481.8
42.5°	0.0	2.5	8.7	17.8	32.9	54.0	84.5	139.3	256.3	396.4	554.4
40°	0.0	2.6	9.5	19.3	36.4	59.1	98.7	171.9	305.3	459.2	624.5
37.5°	0.0	2.7	10.3	20.7	39.8	64.1	113.2	208.5	352.6	518.8	690.7
35°	0.0	2.8	11.0	22.5	43.1	71.1	130.4	245.2	399.3	575.0	758.0
32.5°	0.0	3.0	11.8	24.3	46.2	79.1	148.7	281.1	443.6	627.2	826.6
30°	0.0	3.2	12.5	26.1	49.2	86.9	166.4	315.0	485.9	675.4	887.6
27.5°	0.0	3.3	13.1	27.7	52.0	95.4	190.1	348.4	526.8	719.9	944.0
25°	0.0	3.5	13.8	29.2	54.7	106.1	213.3	379.6	564.3	765.7	999.7
22.5°	0.0	3.6	14.4	30.6	57.5	116.4	234.6	407.5	597.4	809.5	1050.1
20°	0.0	3.7	14.9	32.0	60.0	126.3	254.5	431.3	627.0	848.5	1092.2
17.5°	0.0	3.8	15.4	33.4	62.3	135.7	273.1	451.8	653.1	883.0	1128.6
15°	0.0	3.9	15.9	34.6	64.4	144.8	289.6	469.4	676.4	913.2	1159.8
12.5°	0.0	4.0	16.3	35.6	66.2	153.4	304.0	485.5	696.2	939.2	1185.9
10°	0.0	4.1	16.7	36.6	67.8	161.0	316.1	500.8	712.5	960.8	1206.3
7.5°	0.0	4.1	17.0	37.3	69.1	167.5	326.2	513.1	725.4	977.7	1221.0
5°	0.0	4.2	17.3	37.9	70.2	173.0	334.1	522.4	734.8	989.7	1230.4
2.5°	0.0	4.2	17.5	38.3	70.9	177.2	340.0	528.6	740.8	997.0	1234.7
0°	0.0	4.2	17.7	38.6	71.4	180.3	343.7	531.7	743.3	999.5	1234.0
-2.5°	0.0	4.3	17.7	38.7	71.8	181.1	345.1	533.2	746.3	1001.3	1236.4
-5°	0.0	4.3	17.7	38.6	71.8	180.6	344.4	531.6	745.8	998.3	1234.2
-7.5°	0.0	4.3	17.6	38.3	71.6	178.9	341.7	527.0	741.6	990.7	1227.2
-10°	0.0	4.2	17.4	37.9	71.0	176.0	336.9	519.3	733.8	978.6	1215.6
-12.5°	0.0	4.2	17.2	37.4	70.0	171.8	329.9	508.7	722.2	962.1	1199.3
-15°	0.0	4.2	17.0	36.7	68.7	166.4	320.9	497.8	706.8	942.1	1178.5
-17.5°	0.0	4.1	16.7	35.8	67.0	159.7	309.8	486.2	687.6	918.6	1153.0
-20°	0.0	4.0	16.3	34.7	64.9	152.0	296.6	472.1	666.4	891.7	1123.0

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.9	15.9	33.7	62.4	143.0	281.3	455.4	642.0	860.1	1088.4
-25°	0.0	3.8	15.4	32.5	59.4	132.9	263.8	434.3	614.1	824.0	1045.1
-27.5°	0.0	3.7	14.9	31.3	56.9	121.6	244.1	409.8	582.1	784.6	997.4
-30°	0.0	3.5	14.3	29.9	54.5	111.3	223.3	383.5	546.7	742.1	952.6
-32.5°	0.0	3.4	13.6	28.4	51.9	100.7	206.9	356.1	512.5	696.7	904.1
-35°	0.0	3.2	13.0	26.7	49.1	88.8	189.2	326.9	479.4	650.6	846.4
-37.5°	0.0	3.1	12.2	25.2	46.2	78.2	170.3	294.9	443.2	600.8	779.0
-40°	0.0	3.0	11.5	23.9	43.3	71.6	150.3	259.9	405.2	547.8	710.1
-42.5°	0.0	2.9	10.7	22.5	40.1	64.4	129.0	227.2	364.6	495.6	642.3
-45°	0.0	2.7	9.8	21.0	36.8	58.4	109.2	200.9	321.5	442.1	571.2
-47.5°	0.0	2.6	9.0	19.4	33.8	53.7	87.9	173.4	273.1	390.0	500.2
-50°	0.0	2.5	8.0	18.0	30.7	48.8	75.4	144.7	228.2	334.8	432.6
-52.5°	0.0	2.3	7.1	16.5	27.5	44.1	63.9	115.6	192.2	275.3	373.1
-55°	0.0	2.2	6.4	15.0	24.9	39.1	56.9	86.9	155.8	221.7	312.0
-57.5°	0.0	2.0	5.8	13.5	22.3	34.6	50.3	71.4	119.1	180.9	241.8
-60°	0.0	1.9	5.2	11.9	19.7	30.1	43.9	59.6	85.9	139.8	193.5
-62.5°	0.0	1.7	4.6	10.3	17.5	26.1	37.6	51.4	67.3	98.8	148.7
-65°	0.0	1.5	3.9	8.7	15.3	22.4	31.9	43.5	56.3	73.7	104.1
-67.5°	0.0	1.4	3.3	7.2	13.1	19.1	26.7	36.0	46.6	58.6	74.7
-70°	0.0	1.2	3.0	6.1	10.9	16.3	21.7	29.2	37.7	47.2	57.9
-72.5°	0.0	1.1	2.5	4.8	8.6	13.4	18.2	23.2	29.6	37.1	45.2
-75°	0.0	0.9	2.1	3.7	6.7	10.6	14.8	18.6	22.7	28.3	34.3
-77.5°	0.0	0.8	1.7	3.0	4.9	7.9	11.4	14.6	17.8	21.0	25.0
-80°	0.0	0.6	1.4	2.3	3.6	5.3	8.0	10.5	13.1	15.7	18.3
-82.5°	0.0	0.5	1.0	1.7	2.5	3.6	4.7	6.4	8.3	10.3	12.2
-85°	0.0	0.3	0.7	1.1	1.6	2.2	2.9	3.6	4.4	5.1	6.2
-87.5°	0.0	0.2	0.3	0.6	0.8	1.1	1.4	1.7	2.0	2.3	2.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
85°	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.5	0.5	0.5	0.4
82.5°	2.6	3.1	3.4	3.6	3.8	3.9	3.9	3.9	4.4	5.0	5.5
80°	5.9	6.7	7.3	7.7	8.3	9.8	11.1	12.2	13.9	15.5	17.0
77.5°	9.9	11.6	14.1	16.7	19.6	22.2	25.4	28.0	31.2	35.0	38.5
75°	17.5	21.7	25.8	31.3	36.2	41.2	46.0	50.4	55.1	60.3	64.9
72.5°	28.6	35.8	42.9	49.6	56.0	62.9	71.0	78.0	84.2	91.9	99.2
70°	43.1	51.8	60.4	70.7	82.8	98.2	110.5	117.3	139.5	163.6	182.5
67.5°	57.6	68.4	85.7	109.5	134.3	160.0	192.1	227.4	267.4	296.3	325.9
65°	74.9	98.0	135.4	173.6	221.8	266.0	319.7	375.2	428.1	468.7	507.4
62.5°	103.3	149.4	211.8	271.8	330.0	398.4	464.3	527.4	588.6	672.1	732.6
60°	151.1	224.5	301.1	378.6	457.5	533.9	609.3	718.1	812.0	899.4	978.1
57.5°	219.8	307.0	400.7	496.5	583.8	683.2	814.8	916.7	1030.0	1131.2	1209.7
55°	296.2	397.9	506.9	612.9	739.3	875.1	995.1	1122.4	1228.7	1347.0	1413.7
52.5°	374.3	494.7	611.5	755.4	909.6	1042.2	1181.6	1308.4	1415.8	1555.3	1691.6
50°	461.4	589.4	727.0	906.5	1060.1	1213.8	1355.8	1469.8	1642.9	1764.8	1885.6
47.5°	546.3	682.9	869.9	1034.3	1214.9	1373.1	1508.9	1686.6	1810.0	1969.6	2135.3
45°	628.8	801.6	980.3	1168.5	1352.2	1509.6	1699.7	1837.7	2012.2	2166.9	2281.8
42.5°	708.6	904.8	1095.0	1292.2	1470.8	1686.9	1840.8	2015.5	2179.6	2309.8	2413.1
40°	805.7	1000.7	1205.8	1409.0	1615.3	1799.7	1992.6	2167.0	2317.6	2430.1	2597.4
37.5°	889.5	1095.7	1310.0	1500.8	1721.6	1923.2	2118.1	2304.8	2426.8	2606.7	2736.2
35°	966.4	1185.1	1406.6	1625.4	1823.0	2027.0	2238.5	2403.0	2587.0	2734.6	2856.0
32.5°	1043.6	1270.2	1476.5	1709.6	1925.6	2134.5	2324.5	2514.0	2713.4	2840.9	2957.4
30°	1113.3	1351.2	1568.6	1789.2	2000.7	2224.5	2401.2	2625.9	2794.4	2920.0	3042.1
27.5°	1177.8	1415.8	1644.3	1868.2	2087.4	2285.8	2503.4	2692.7	2864.4	2985.2	3124.5
25°	1237.7	1464.5	1709.1	1932.4	2158.4	2352.8	2577.3	2766.5	2916.8	3059.8	3198.4
22.5°	1291.0	1523.8	1762.3	1975.8	2207.5	2426.5	2624.6	2831.1	2969.7	3111.5	3258.7
20°	1337.5	1575.6	1814.6	2044.0	2244.8	2487.2	2677.3	2877.1	3021.6	3163.5	3301.9
17.5°	1375.5	1621.6	1864.9	2095.5	2301.4	2524.5	2738.9	2915.0	3058.4	3201.4	3346.9
15°	1406.4	1662.4	1900.8	2133.2	2349.1	2561.9	2789.7	2948.8	3088.6	3227.9	3397.3
12.5°	1433.8	1690.7	1927.3	2166.6	2388.6	2592.6	2828.3	2982.4	3120.8	3259.3	3415.8
10°	1456.8	1709.6	1949.2	2188.9	2420.1	2624.3	2856.0	3010.3	3148.8	3299.1	3440.8
7.5°	1472.5	1722.4	1967.2	2206.2	2441.8	2647.4	2879.2	3031.8	3170.6	3327.9	3465.4
5°	1482.0	1729.6	1977.6	2218.0	2455.2	2659.0	2892.7	3047.6	3187.2	3346.7	3486.1
2.5°	1485.8	1731.3	1980.6	2224.0	2461.9	2660.7	2900.1	3057.5	3197.5	3355.6	3499.5
0°	1484.4	1727.8	1977.2	2223.8	2460.7	2654.3	2901.3	3060.9	3201.1	3355.2	3505.3
-2.5°	1487.9	1733.2	1981.3	2225.3	2463.9	2662.2	2903.3	3060.8	3202.0	3359.3	3505.2
-5°	1486.0	1732.9	1978.9	2220.5	2459.4	2662.0	2899.3	3054.0	3195.7	3353.6	3497.7
-7.5°	1478.1	1726.5	1969.0	2209.7	2448.5	2652.1	2889.5	3040.7	3182.1	3337.3	3483.4
-10°	1463.5	1713.1	1951.5	2193.3	2428.3	2631.0	2869.3	3021.0	3163.4	3310.0	3465.6
-12.5°	1443.0	1692.2	1931.7	2171.6	2395.6	2601.3	2843.8	2996.2	3137.8	3281.2	3442.8
-15°	1419.0	1663.5	1908.4	2139.1	2352.9	2572.2	2805.2	2967.1	3107.3	3253.7	3412.4
-17.5°	1392.4	1631.0	1876.3	2102.4	2308.3	2537.4	2750.2	2935.7	3073.0	3222.1	3364.3
-20°	1356.1	1596.5	1829.7	2050.5	2255.3	2504.0	2688.6	2896.7	3029.9	3172.6	3324.0

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1309.0	1543.8	1776.0	1980.7	2218.0	2437.1	2636.6	2844.9	2986.5	3120.5	3279.9
-25°	1260.3	1482.5	1710.7	1943.8	2168.1	2362.0	2590.0	2776.6	2935.2	3056.8	3197.4
-27.5°	1212.7	1442.1	1659.4	1885.2	2092.6	2299.8	2515.0	2703.6	2874.3	3000.3	3125.6
-30°	1160.6	1377.6	1593.8	1805.3	2004.3	2240.6	2412.0	2637.5	2804.2	2933.0	3050.7
-32.5°	1102.1	1294.4	1497.1	1716.7	1941.0	2137.9	2341.7	2523.5	2724.2	2848.9	2974.0
-35°	1033.8	1225.6	1429.6	1649.3	1840.8	2029.1	2254.3	2418.0	2597.6	2742.5	2865.9
-37.5°	962.5	1152.4	1334.3	1522.6	1734.5	1939.2	2116.5	2331.4	2444.5	2621.4	2741.6
-40°	883.2	1072.1	1245.8	1427.1	1636.9	1816.6	2005.8	2171.7	2343.1	2452.4	2615.9
-42.5°	802.0	978.8	1157.2	1319.2	1490.7	1705.5	1865.4	2033.3	2190.8	2336.9	2440.0
-45°	720.5	872.5	1062.2	1218.9	1372.8	1536.2	1721.3	1879.1	2039.7	2183.8	2311.3
-47.5°	638.0	779.1	932.4	1114.4	1259.2	1389.9	1548.6	1712.1	1862.7	2015.8	2158.3
-50°	552.0	686.3	815.2	983.1	1139.2	1255.6	1375.4	1526.2	1677.2	1811.8	1956.7
-52.5°	465.5	588.5	714.0	829.5	994.2	1115.7	1224.4	1335.6	1470.7	1610.3	1719.2
-55°	392.4	487.0	604.5	719.4	818.4	954.7	1068.7	1167.3	1268.5	1373.3	1507.7
-57.5°	326.9	395.5	489.2	597.3	691.7	784.6	885.8	997.5	1082.5	1172.5	1266.2
-60°	253.1	325.7	383.8	468.2	562.3	642.3	726.7	807.0	896.3	976.6	1057.6
-62.5°	194.7	247.2	310.9	360.0	423.3	507.4	578.8	635.6	720.3	783.7	854.5
-65°	146.8	185.8	224.8	280.3	323.5	366.6	431.2	497.1	551.0	594.2	657.3
-67.5°	99.3	135.4	167.7	195.8	232.9	270.6	310.0	345.3	392.9	445.4	489.7
-70°	70.6	88.6	114.9	138.2	161.7	184.4	209.7	231.3	265.5	297.1	324.2
-72.5°	53.9	64.5	76.6	88.7	105.0	118.7	136.9	154.4	171.9	189.7	206.9
-75°	40.8	47.9	55.0	63.2	71.0	79.5	86.8	92.7	97.9	113.1	124.0
-77.5°	29.6	34.6	39.7	44.9	50.4	55.7	61.4	66.6	71.6	76.5	81.3
-80°	20.9	23.5	27.0	30.5	33.9	37.7	41.4	45.0	48.5	51.8	55.0
-82.5°	14.2	16.2	18.1	19.9	21.7	23.5	25.4	27.7	29.7	31.7	33.5
-85°	7.5	8.8	10.1	11.3	12.4	13.6	14.8	15.9	16.9	17.8	18.7
-87.5°	3.1	3.5	3.9	4.2	4.6	5.0	5.3	5.7	6.0	6.3	6.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622897 (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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.6	0.9	1.2	1.3	1.2	1.1	0.9	0.6	0.3	0.3	0.3
82.5°	6.2	6.7	7.0	7.1	7.2	7.3	7.5	7.9	8.1	8.4	8.6
80°	18.5	20.0	21.2	22.5	23.8	25.3	26.3	27.1	27.5	28.1	28.6
77.5°	41.6	44.5	47.0	49.3	51.4	53.2	54.7	55.9	56.9	57.9	58.8
75°	69.4	73.8	77.5	81.3	84.6	87.4	89.6	91.6	92.9	94.8	96.3
72.5°	109.4	117.5	120.0	121.7	126.0	129.9	133.3	135.9	137.8	140.1	142.1
70°	192.1	190.7	193.4	214.5	234.6	240.9	236.6	225.9	229.6	244.0	258.3
67.5°	353.7	378.3	402.4	425.6	447.5	465.5	479.7	490.0	496.1	506.7	520.0
65°	551.4	595.8	625.5	648.6	692.1	723.7	746.8	762.7	772.8	787.3	803.0
62.5°	785.3	846.4	898.9	948.0	996.9	1028.9	1051.7	1072.0	1078.6	1083.3	1102.7
60°	1048.4	1115.6	1165.2	1208.3	1255.8	1311.4	1353.9	1379.1	1409.0	1421.9	1432.0
57.5°	1284.6	1341.7	1443.5	1507.2	1544.3	1591.1	1635.2	1686.7	1709.7	1714.1	1732.7
55°	1543.2	1624.5	1684.8	1763.0	1815.5	1837.8	1898.0	1950.1	1987.2	2004.5	2018.0
52.5°	1754.1	1861.8	1940.6	1998.8	2079.7	2149.1	2165.7	2198.2	2236.9	2278.1	2313.0
50°	2028.0	2100.8	2187.5	2246.3	2299.6	2384.0	2464.7	2487.4	2498.3	2504.1	2540.1
47.5°	2220.0	2293.0	2360.8	2484.3	2573.6	2624.5	2658.6	2711.1	2755.3	2790.6	2812.1
45°	2373.1	2483.3	2598.0	2673.5	2736.8	2788.4	2847.3	2906.6	2948.1	2961.1	2971.9
42.5°	2561.3	2670.6	2756.5	2833.3	2912.2	3007.1	3065.6	3083.1	3119.3	3173.6	3208.8
40°	2716.2	2823.1	2926.4	3014.6	3107.3	3148.0	3200.1	3257.8	3308.0	3323.5	3326.3
37.5°	2852.3	2986.9	3077.0	3168.2	3221.1	3287.3	3371.2	3398.3	3445.6	3484.8	3507.4
35°	2980.2	3098.5	3214.4	3268.9	3361.4	3424.9	3496.5	3534.5	3561.0	3605.4	3639.0
32.5°	3082.2	3201.4	3287.6	3396.7	3469.9	3540.8	3576.5	3630.9	3683.6	3713.9	3733.6
30°	3173.3	3280.7	3394.9	3486.5	3564.2	3607.0	3682.8	3743.8	3784.9	3806.7	3839.4
27.5°	3254.0	3368.8	3475.3	3565.0	3629.6	3706.2	3767.0	3810.4	3846.7	3886.7	3909.6
25°	3330.8	3444.0	3546.1	3623.5	3707.6	3771.5	3831.4	3883.3	3930.2	3959.1	3998.2
22.5°	3381.2	3510.4	3600.4	3691.0	3768.6	3840.3	3896.3	3952.2	3998.1	4037.8	4055.6
20°	3445.5	3555.9	3657.0	3748.4	3824.8	3891.8	3963.3	4007.0	4048.1	4090.6	4117.4
17.5°	3480.9	3597.7	3700.2	3798.2	3873.0	3940.8	3997.9	4052.6	4098.8	4136.6	4158.4
15°	3509.6	3633.4	3740.6	3827.7	3907.7	3976.1	4034.7	4088.6	4135.1	4168.0	4202.3
12.5°	3540.3	3657.5	3765.3	3859.9	3933.0	4002.6	4066.4	4117.3	4160.6	4205.4	4234.3
10°	3573.3	3676.1	3780.8	3876.9	3958.0	4030.1	4089.3	4140.2	4185.1	4228.6	4257.5
7.5°	3600.4	3709.6	3803.8	3890.7	3968.0	4050.6	4110.8	4162.7	4210.5	4250.4	4280.5
5°	3621.5	3731.7	3831.1	3913.7	3997.4	4072.3	4127.8	4178.2	4231.5	4266.4	4300.9
2.5°	3638.6	3745.2	3847.2	3933.0	4014.7	4088.6	4144.9	4197.6	4247.3	4283.4	4308.5
0°	3648.4	3752.2	3854.4	3943.6	4022.2	4101.1	4158.0	4211.0	4259.6	4298.8	4336.0
-2.5°	3644.7	3751.8	3853.0	3942.4	4022.8	4096.0	4157.2	4211.5	4258.7	4299.5	4331.0
-5°	3633.4	3744.4	3843.6	3930.9	4014.8	4085.7	4150.7	4206.5	4247.3	4284.1	4318.2
-7.5°	3617.5	3728.7	3824.8	3915.6	3995.3	4070.7	4134.8	4188.9	4229.0	4263.3	4293.4
-10°	3595.3	3703.1	3807.2	3902.8	3991.0	4054.4	4115.1	4170.3	4210.0	4242.5	4270.8
-12.5°	3563.4	3684.4	3792.0	3876.9	3959.3	4026.8	4096.3	4141.9	4187.9	4228.2	4252.4
-15°	3534.6	3660.3	3759.4	3846.7	3935.4	4011.1	4063.6	4117.1	4162.4	4191.5	4223.2
-17.5°	3505.8	3618.7	3723.0	3825.6	3890.1	3960.8	4029.0	4082.8	4121.2	4157.3	4179.1
-20°	3457.0	3578.3	3685.1	3767.0	3855.2	3917.0	3975.2	4036.8	4070.5	4109.5	4137.7



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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°	3401.5	3530.7	3626.7	3726.5	3792.4	3871.3	3926.3	3971.1	4019.6	4044.0	4075.4
-25°	3349.7	3457.4	3570.3	3656.5	3741.7	3800.1	3869.1	3918.6	3957.8	3981.9	4010.7
-27.5°	3270.0	3391.8	3498.9	3592.9	3671.0	3738.7	3795.2	3842.2	3896.0	3923.4	3938.8
-30°	3184.2	3305.1	3419.9	3521.2	3590.8	3650.4	3715.8	3772.2	3807.4	3831.3	3860.2
-32.5°	3090.2	3220.7	3315.0	3422.4	3507.1	3560.9	3610.5	3668.6	3710.8	3734.7	3755.1
-35°	2997.5	3112.5	3240.6	3300.7	3384.2	3457.2	3523.1	3558.3	3590.3	3630.9	3658.8
-37.5°	2863.3	3003.1	3099.4	3191.8	3254.8	3320.2	3393.0	3432.6	3475.3	3502.6	3524.0
-40°	2720.3	2827.0	2951.8	3044.0	3118.5	3181.8	3232.5	3289.2	3328.6	3349.5	3362.7
-42.5°	2590.3	2679.5	2767.2	2864.8	2949.1	3039.8	3081.4	3113.7	3151.5	3200.8	3228.1
-45°	2404.2	2526.7	2620.1	2698.5	2767.2	2829.7	2889.8	2945.1	2983.7	3000.6	3015.4
-47.5°	2252.9	2332.6	2436.9	2537.5	2605.1	2666.3	2717.1	2759.9	2795.0	2823.1	2843.8
-50°	2077.6	2164.7	2230.6	2303.6	2409.0	2482.4	2510.7	2536.0	2576.3	2628.9	2652.9
-52.5°	1827.8	1913.4	2032.2	2113.3	2164.8	2197.6	2259.4	2318.5	2358.4	2363.7	2378.4
-55°	1592.2	1671.4	1746.9	1806.9	1884.5	1984.4	2017.5	2035.1	2036.5	2039.5	2084.4
-57.5°	1358.3	1457.4	1511.8	1564.0	1621.5	1674.1	1715.6	1742.5	1776.1	1805.8	1829.2
-60°	1136.9	1212.9	1284.2	1351.3	1402.7	1425.0	1445.4	1493.0	1540.3	1567.2	1578.2
-62.5°	926.1	989.1	1049.6	1105.7	1154.5	1198.1	1229.5	1251.6	1265.0	1274.7	1288.2
-65°	710.9	763.8	820.7	874.7	910.9	943.4	966.0	980.7	994.1	1020.5	1041.4
-67.5°	529.4	567.1	602.0	626.5	661.1	695.2	722.0	741.9	755.0	768.0	782.2
-70°	356.3	389.0	418.0	445.0	466.8	488.2	507.7	524.2	533.4	540.5	545.7
-72.5°	226.6	244.3	258.5	273.7	286.8	299.6	310.8	319.3	325.0	329.8	333.1
-75°	134.7	146.6	157.7	167.2	173.2	176.1	176.1	173.4	168.5	168.4	168.9
-77.5°	86.0	90.6	95.0	98.8	102.1	105.0	107.6	109.8	112.1	114.6	116.4
-80°	58.1	61.1	63.8	66.1	68.3	70.4	72.1	73.5	74.7	75.8	76.7
-82.5°	35.4	37.2	38.9	40.3	41.5	42.5	43.5	44.4	45.1	45.8	46.4
-85°	19.5	20.3	21.0	21.5	22.0	22.4	22.8	23.1	23.4	23.6	23.7
-87.5°	6.9	7.3	7.7	8.0	8.3	8.5	8.7	8.9	9.0	9.2	9.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622897 (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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.5
82.5°	8.8	8.8	8.7	8.6	8.7	8.7	8.6	8.5	8.2	7.9	7.6
80°	28.8	28.9	28.8	28.5	28.7	28.7	28.6	28.3	27.7	27.1	26.6
77.5°	59.3	59.5	59.4	59.1	59.4	59.4	59.1	58.5	57.6	56.5	55.3
75°	97.3	97.8	97.7	97.2	97.6	97.5	96.9	95.8	94.2	92.3	90.8
72.5°	143.6	144.4	144.7	144.3	144.7	144.4	143.4	141.8	139.6	137.3	135.6
70°	265.3	266.1	261.5	252.8	261.6	266.7	267.7	264.2	255.6	246.8	242.7
67.5°	529.2	534.0	534.2	529.6	535.4	536.3	532.5	524.1	511.3	502.2	497.0
65°	810.3	809.7	802.0	787.8	803.6	812.8	814.4	807.6	791.6	774.3	761.8
62.5°	1124.1	1137.5	1143.1	1140.8	1150.1	1152.7	1149.9	1142.6	1126.7	1110.6	1095.2
60°	1445.2	1458.0	1466.9	1468.4	1474.6	1472.4	1464.3	1452.8	1440.4	1419.6	1388.6
57.5°	1755.0	1765.9	1766.2	1758.8	1768.6	1770.3	1760.6	1738.9	1722.4	1715.7	1691.7
55°	2031.1	2041.2	2046.8	2046.4	2048.1	2043.6	2034.4	2021.9	2008.2	1996.4	1974.8
52.5°	2332.7	2340.0	2342.8	2337.8	2344.4	2343.4	2338.3	2324.7	2301.9	2269.8	2212.6
50°	2571.8	2582.5	2576.4	2557.7	2581.1	2591.6	2584.7	2555.8	2518.1	2504.4	2489.7
47.5°	2832.2	2844.9	2851.0	2850.6	2852.5	2848.2	2837.4	2818.3	2795.2	2760.6	2721.0
45°	2993.7	3006.9	3011.8	3009.1	3012.5	3008.5	2996.8	2977.2	2967.0	2958.0	2914.7
42.5°	3233.6	3241.8	3245.5	3243.3	3245.0	3240.1	3229.9	3209.0	3178.8	3123.2	3087.1
40°	3351.5	3367.0	3372.4	3369.9	3378.5	3377.4	3362.8	3333.4	3326.3	3310.0	3274.4
37.5°	3520.3	3540.9	3549.0	3547.5	3549.8	3542.7	3523.6	3512.3	3492.7	3462.1	3404.1
35°	3655.8	3666.2	3673.6	3676.3	3673.7	3666.3	3655.6	3640.8	3609.8	3565.2	3536.1
32.5°	3750.9	3763.3	3770.5	3769.6	3773.6	3771.8	3761.0	3732.9	3709.9	3684.0	3642.9
30°	3869.5	3870.7	3879.7	3887.8	3882.7	3872.3	3861.4	3839.0	3807.4	3783.1	3741.1
27.5°	3928.0	3943.6	3953.0	3952.7	3954.2	3948.2	3932.6	3913.4	3888.4	3870.9	3811.0
25°	4008.2	4017.2	4023.4	4023.5	4023.7	4017.9	4008.9	4000.3	3963.6	3938.6	3887.4
22.5°	4084.0	4096.8	4099.8	4097.9	4097.6	4089.5	4078.4	4055.5	4037.7	4003.1	3956.5
20°	4140.1	4152.6	4153.4	4154.8	4157.2	4156.8	4142.8	4119.5	4089.7	4047.9	4007.6
17.5°	4186.9	4198.6	4203.7	4204.0	4201.0	4196.9	4186.5	4166.1	4134.5	4096.0	4050.4
15°	4225.2	4232.1	4239.4	4242.7	4239.6	4230.5	4221.4	4203.6	4166.4	4127.4	4089.8
12.5°	4254.2	4267.3	4270.5	4270.8	4271.3	4268.4	4252.9	4229.9	4196.8	4160.7	4117.6
10°	4278.7	4291.2	4301.0	4299.0	4299.5	4294.5	4285.0	4254.8	4226.4	4192.0	4145.6
7.5°	4308.6	4318.6	4324.9	4323.8	4335.9	4321.9	4312.1	4289.4	4252.4	4217.2	4169.4
5°	4322.3	4341.1	4346.3	4345.4	4344.4	4338.3	4331.2	4309.4	4276.6	4234.9	4187.0
2.5°	4330.9	4343.9	4352.8	4352.7	4357.8	4352.3	4344.7	4315.3	4284.9	4242.0	4197.1
0°	4356.5	4365.7	4369.1	4360.3	4370.9	4358.1	4346.8	4328.0	4282.3	4243.5	4200.9
-2.5°	4351.8	4357.6	4363.5	4359.6	4351.6	4340.8	4329.4	4301.8	4273.3	4232.9	4191.9
-5°	4335.5	4346.1	4349.4	4340.9	4342.5	4328.0	4322.9	4290.5	4258.1	4218.8	4177.7
-7.5°	4320.5	4325.0	4328.4	4325.6	4324.0	4310.5	4306.3	4277.9	4239.3	4205.1	4160.2
-10°	4295.3	4308.2	4312.2	4319.2	4310.8	4297.4	4282.5	4262.2	4226.2	4188.9	4144.5
-12.5°	4278.4	4283.2	4287.5	4290.7	4282.0	4271.9	4261.0	4235.4	4205.4	4165.9	4123.6
-15°	4246.5	4252.3	4254.1	4249.6	4248.6	4243.8	4224.7	4199.1	4173.8	4133.7	4087.4
-17.5°	4199.5	4213.5	4217.0	4214.7	4211.0	4201.6	4187.8	4164.3	4133.4	4093.7	4052.3
-20°	4151.7	4163.7	4170.6	4166.4	4162.9	4152.2	4138.1	4117.5	4085.9	4047.4	4012.2



REPORT NUMBER: P622897 (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°	4095.8	4101.6	4107.5	4104.1	4104.2	4097.1	4084.7	4060.0	4029.6	3995.6	3946.9
-25°	4021.1	4037.5	4040.8	4033.5	4035.8	4028.6	4010.4	3993.9	3959.2	3926.6	3884.2
-27.5°	3955.9	3968.0	3969.9	3965.9	3965.4	3957.9	3941.2	3917.9	3892.6	3861.0	3813.2
-30°	3879.8	3887.3	3893.4	3894.6	3887.1	3874.5	3860.3	3837.1	3808.2	3778.1	3740.5
-32.5°	3775.5	3785.6	3787.3	3782.4	3781.6	3774.7	3759.6	3734.0	3711.8	3681.9	3635.0
-35°	3671.0	3680.7	3686.9	3688.3	3683.3	3674.4	3663.6	3645.6	3610.7	3565.1	3529.7
-37.5°	3537.9	3551.9	3554.6	3547.6	3548.4	3538.5	3516.8	3499.8	3477.1	3441.5	3391.6
-40°	3381.9	3392.0	3393.1	3386.6	3388.3	3381.9	3365.7	3339.4	3322.2	3297.9	3255.9
-42.5°	3244.8	3250.2	3250.8	3245.0	3245.2	3238.9	3227.3	3200.9	3166.5	3119.9	3086.7
-45°	3029.3	3037.9	3040.5	3036.3	3034.1	3024.9	3008.9	2986.8	2973.7	2954.2	2904.7
-47.5°	2859.8	2870.0	2873.2	2869.4	2868.8	2861.0	2845.8	2825.4	2800.6	2768.7	2728.6
-50°	2664.4	2674.5	2678.8	2673.1	2673.2	2662.4	2644.4	2622.4	2590.8	2542.2	2505.5
-52.5°	2394.4	2402.4	2402.7	2396.1	2396.2	2389.3	2374.7	2351.8	2330.4	2317.7	2266.0
-55°	2105.4	2106.0	2091.1	2065.7	2080.8	2086.7	2079.6	2055.6	2012.6	2007.0	1996.4
-57.5°	1836.1	1837.1	1832.1	1819.6	1823.6	1818.8	1805.3	1784.6	1758.7	1737.6	1715.4
-60°	1589.3	1597.8	1600.9	1596.0	1594.3	1584.0	1567.6	1547.5	1525.9	1495.1	1454.2
-62.5°	1298.4	1304.6	1305.9	1301.8	1301.3	1295.3	1284.3	1269.1	1250.4	1237.1	1220.3
-65°	1050.7	1050.2	1041.7	1027.0	1036.1	1039.0	1033.9	1018.9	992.5	961.1	944.5
-67.5°	790.0	791.7	788.4	781.0	783.1	781.3	775.0	763.4	744.9	723.2	705.6
-70°	548.6	548.8	545.8	539.3	540.0	537.6	532.7	526.1	518.5	510.9	499.5
-72.5°	334.1	332.8	328.9	322.5	328.2	331.2	331.5	329.2	324.4	316.3	306.2
-75°	168.7	167.7	166.1	163.9	163.9	163.3	162.3	160.7	158.5	157.5	162.0
-77.5°	117.7	118.3	118.4	118.1	118.0	117.6	116.7	115.4	113.6	111.5	109.4
-80°	77.4	77.8	78.0	77.9	77.9	77.7	77.2	76.5	75.5	74.2	72.9
-82.5°	46.8	47.0	47.0	47.0	47.0	46.8	46.5	46.0	45.4	44.6	43.7
-85°	23.8	23.9	23.9	23.8	23.8	23.7	23.6	23.4	23.1	22.8	22.5
-87.5°	9.3	9.4	9.4	9.4	9.4	9.3	9.2	9.0	8.9	8.7	8.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622897 (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°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
85°	0.8	1.0	1.2	1.2	1.1	0.9	0.6	0.4	0.4	0.4	0.4
82.5°	7.2	7.0	6.9	6.8	6.7	6.6	6.4	6.2	5.8	5.4	4.9
80°	25.8	24.7	23.3	22.0	20.6	19.2	17.6	16.0	14.5	12.9	11.2
77.5°	53.8	52.2	50.2	48.1	45.8	43.3	40.4	37.2	33.7	29.8	26.4
75°	88.7	86.3	83.3	79.7	75.6	71.4	66.8	62.4	58.2	53.7	48.9
72.5°	132.7	128.4	123.8	119.3	116.8	113.1	104.4	94.0	87.0	79.9	73.5
70°	244.2	241.7	232.8	214.2	190.0	179.5	179.0	171.2	152.1	128.8	107.1
67.5°	484.3	467.4	446.2	420.2	390.7	361.3	332.7	295.7	252.1	235.3	207.6
65°	744.0	718.7	701.3	682.2	634.6	582.0	538.4	491.7	442.2	388.1	323.6
62.5°	1071.1	1037.9	994.2	936.5	879.4	827.1	781.0	710.2	635.7	572.0	497.1
60°	1363.8	1324.6	1267.2	1231.9	1175.9	1102.5	1015.2	942.2	871.1	772.8	667.8
57.5°	1645.7	1597.7	1538.5	1500.3	1436.3	1334.2	1274.1	1187.5	1086.6	989.5	879.3
55°	1922.5	1844.5	1807.4	1753.0	1673.7	1592.9	1517.7	1394.2	1309.4	1195.9	1074.9
52.5°	2161.5	2142.5	2099.3	2020.7	1924.1	1850.8	1736.8	1642.3	1520.9	1387.3	1263.1
50°	2473.4	2402.2	2307.5	2233.4	2180.8	2103.6	1992.9	1874.0	1725.9	1601.6	1450.8
47.5°	2663.9	2623.3	2570.8	2493.7	2361.2	2275.2	2208.3	2097.8	1948.6	1770.7	1645.4
45°	2848.7	2785.5	2726.9	2655.9	2589.1	2485.8	2355.7	2261.7	2129.4	1977.8	1788.2
42.5°	3067.6	3021.5	2909.4	2828.0	2722.7	2643.0	2557.2	2396.3	2286.3	2127.9	1977.4
40°	3199.8	3149.2	3102.0	3014.1	2920.1	2785.4	2672.9	2568.2	2409.9	2291.5	2101.4
37.5°	3367.9	3302.3	3221.5	3155.5	3068.3	2970.9	2824.5	2687.5	2558.7	2402.2	2274.3
35°	3502.2	3420.2	3355.9	3272.0	3196.0	3080.9	2959.8	2823.6	2683.1	2516.2	2376.2
32.5°	3580.1	3531.2	3473.1	3382.2	3282.4	3180.0	3055.6	2930.5	2802.8	2654.4	2448.7
30°	3685.6	3624.6	3547.9	3484.7	3379.0	3265.6	3145.0	3014.0	2884.4	2749.0	2560.8
27.5°	3768.7	3704.6	3644.0	3548.0	3463.3	3355.6	3225.4	3089.0	2961.2	2816.8	2640.0
25°	3839.7	3777.2	3708.0	3625.8	3531.3	3423.2	3313.4	3153.0	3012.9	2880.2	2706.5
22.5°	3903.6	3845.4	3762.7	3690.0	3594.8	3494.2	3369.4	3229.8	3080.5	2940.3	2771.7
20°	3962.6	3890.5	3819.7	3735.7	3645.5	3544.6	3418.5	3281.9	3123.3	2982.0	2831.0
17.5°	3995.7	3937.1	3860.0	3776.3	3693.8	3578.1	3467.7	3320.8	3171.2	3026.2	2877.3
15°	4033.5	3966.3	3897.0	3824.7	3719.4	3621.4	3498.2	3364.6	3202.7	3056.9	2910.9
12.5°	4067.7	4002.1	3929.2	3842.1	3756.0	3652.0	3519.8	3397.0	3227.9	3084.8	2943.9
10°	4095.3	4029.3	3955.9	3877.6	3785.6	3664.2	3547.1	3424.5	3258.8	3114.7	2970.3
7.5°	4114.9	4056.0	3981.0	3896.9	3804.7	3689.7	3576.2	3447.1	3286.8	3137.8	2990.4
5°	4130.6	4074.2	3993.0	3914.1	3818.1	3709.2	3598.6	3463.3	3302.8	3152.5	3003.9
2.5°	4141.3	4081.9	4002.1	3924.2	3828.2	3720.0	3611.8	3472.9	3307.8	3160.0	3010.6
0°	4146.3	4085.0	4005.9	3927.0	3833.2	3721.4	3614.9	3475.6	3303.4	3160.8	3010.4
-2.5°	4136.1	4074.3	3997.6	3921.0	3825.6	3720.3	3611.3	3475.0	3311.0	3162.0	3012.7
-5°	4118.3	4058.1	3983.4	3909.1	3811.2	3710.2	3599.6	3467.3	3310.0	3156.5	3008.4
-7.5°	4106.3	4041.0	3966.3	3887.0	3789.8	3691.3	3582.5	3453.1	3299.6	3143.7	2997.7
-10°	4089.3	4024.9	3949.0	3867.7	3776.1	3664.6	3560.1	3435.1	3279.0	3125.2	2981.0
-12.5°	4067.4	4003.0	3927.7	3842.7	3759.4	3648.2	3529.7	3411.4	3245.2	3102.0	2956.0
-15°	4036.3	3972.1	3898.3	3817.0	3723.0	3624.8	3501.9	3378.0	3212.5	3072.9	2922.2
-17.5°	4002.3	3933.1	3862.9	3786.3	3685.5	3585.4	3472.2	3334.4	3182.0	3040.6	2887.4
-20°	3953.8	3885.1	3818.9	3734.3	3649.6	3539.5	3426.1	3285.0	3149.3	2999.2	2845.4



REPORT NUMBER: P622897 (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°	3892.5	3836.7	3764.5	3689.7	3591.2	3494.4	3370.7	3237.2	3094.2	2949.2	2790.3
-25°	3834.0	3776.1	3713.0	3627.6	3535.2	3427.2	3309.6	3185.6	3032.9	2890.8	2717.8
-27.5°	3766.1	3713.7	3644.8	3559.4	3465.9	3356.1	3238.6	3103.2	2968.9	2828.7	2656.1
-30°	3684.6	3623.8	3561.5	3485.4	3383.9	3269.4	3157.2	3022.8	2893.6	2756.4	2586.9
-32.5°	3583.7	3534.4	3465.3	3388.4	3282.4	3187.4	3058.6	2935.2	2812.7	2677.1	2465.4
-35°	3483.8	3413.3	3352.1	3265.0	3200.3	3075.6	2960.0	2838.2	2700.1	2535.6	2371.6
-37.5°	3352.2	3285.3	3213.9	3155.3	3060.7	2965.5	2844.6	2705.4	2565.3	2397.4	2271.8
-40°	3193.7	3148.9	3090.9	3001.5	2916.8	2825.0	2688.2	2560.6	2403.7	2290.2	2119.1
-42.5°	3058.6	2991.3	2899.2	2836.6	2752.3	2645.0	2529.3	2390.2	2286.9	2141.4	1989.0
-45°	2845.1	2792.8	2738.2	2662.5	2580.2	2470.4	2355.1	2264.3	2141.2	1997.1	1800.7
-47.5°	2678.4	2628.1	2572.4	2492.9	2380.2	2283.1	2212.3	2117.4	1975.0	1784.8	1659.2
-50°	2480.9	2436.1	2346.3	2247.9	2189.2	2117.7	2028.4	1904.0	1744.5	1630.5	1458.5
-52.5°	2201.2	2156.7	2115.5	2048.3	1965.8	1880.2	1763.2	1672.2	1564.4	1410.4	1299.9
-55°	1957.5	1897.9	1836.9	1785.7	1712.0	1618.4	1556.0	1438.5	1331.5	1228.4	1127.0
-57.5°	1696.9	1654.8	1569.6	1516.7	1472.7	1403.7	1315.3	1223.3	1128.6	1058.3	964.7
-60°	1414.6	1392.8	1369.0	1311.2	1241.0	1166.6	1088.8	1032.4	956.0	868.3	785.6
-62.5°	1193.7	1156.9	1107.1	1051.8	1010.4	968.5	888.2	824.7	757.4	684.2	633.4
-65°	931.3	915.3	871.3	813.7	782.8	742.5	685.3	634.9	593.2	526.3	472.1
-67.5°	687.7	668.5	642.8	609.4	569.8	535.4	499.2	460.1	421.0	387.5	350.1
-70°	481.0	460.3	438.1	417.6	397.1	371.9	344.8	318.2	287.9	264.6	242.7
-72.5°	293.7	279.0	265.4	252.2	237.4	228.8	220.1	208.8	195.3	179.3	159.9
-75°	164.6	165.0	163.0	158.2	151.6	144.8	136.0	126.4	115.1	98.9	92.8
-77.5°	107.1	104.4	101.3	97.7	93.9	89.7	85.0	80.1	75.2	70.0	64.7
-80°	71.3	69.4	67.2	65.0	62.5	59.7	56.5	53.3	50.0	46.6	42.9
-82.5°	42.7	41.6	40.5	39.2	37.7	35.9	33.9	31.9	30.0	28.0	25.8
-85°	22.1	21.7	21.1	20.6	20.0	19.2	18.4	17.5	16.6	15.6	14.6
-87.5°	8.2	8.0	7.7	7.3	7.0	6.6	6.1	5.7	5.4	5.1	4.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622897 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF120-XX-PC-70W-7030

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
85°	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.6
82.5°	4.5	4.1	3.7	3.3	3.0	2.8	2.3	2.0	1.8	1.6	1.3
80°	10.5	9.7	8.5	7.5	6.8	6.1	5.3	4.6	3.9	3.2	2.7
77.5°	23.8	20.6	18.2	15.4	13.1	10.6	8.9	7.6	6.2	5.2	4.3
75°	44.1	39.2	34.1	29.3	23.9	20.0	16.1	12.7	10.0	7.4	6.0
72.5°	66.8	60.1	53.5	47.0	40.4	33.4	26.2	21.0	16.1	11.7	8.3
70°	100.9	89.6	75.5	66.0	57.1	48.8	40.2	31.6	24.2	18.0	12.5
67.5°	170.6	141.7	119.4	97.7	77.1	64.5	54.3	44.2	34.2	25.4	18.0
65°	275.7	238.0	191.5	151.7	118.7	87.3	69.7	57.0	45.4	34.0	24.3
62.5°	420.5	343.1	289.0	235.5	181.9	130.3	91.9	71.2	56.7	43.8	31.2
60°	581.9	494.1	405.4	326.6	262.6	193.0	131.5	89.6	69.0	53.4	39.5
57.5°	750.5	643.2	543.9	444.6	347.9	269.3	189.9	120.2	82.9	64.0	47.7
55°	960.3	809.8	681.7	570.2	457.7	351.1	259.0	171.2	104.4	75.3	55.8
52.5°	1136.1	1012.9	837.5	694.5	570.3	448.0	334.7	231.4	141.2	87.2	65.2
50°	1300.5	1167.4	1033.0	832.2	678.8	548.9	416.8	297.7	189.7	105.6	75.3
47.5°	1488.6	1310.8	1169.0	996.8	797.3	642.7	506.1	368.4	242.8	135.9	86.7
45°	1660.4	1493.8	1288.5	1123.7	928.8	741.2	591.9	443.2	300.8	177.6	101.3
42.5°	1783.4	1646.2	1433.4	1234.9	1053.8	846.7	667.8	518.2	362.0	223.6	119.0
40°	1954.3	1748.4	1570.0	1337.0	1152.8	954.4	752.5	590.1	425.5	269.2	146.7
37.5°	2054.6	1873.2	1679.2	1469.0	1247.7	1048.3	838.9	652.1	485.1	315.3	179.1
35°	2183.6	1978.8	1756.4	1564.6	1332.1	1128.7	921.8	714.5	541.0	362.1	212.1
32.5°	2292.5	2053.2	1875.8	1660.8	1435.1	1212.2	995.3	780.2	593.1	408.7	244.9
30°	2355.1	2175.8	1950.8	1722.9	1505.5	1276.5	1057.4	842.7	639.0	452.0	276.2
27.5°	2427.5	2247.0	2008.6	1807.2	1579.6	1343.5	1118.6	899.6	681.1	491.8	307.4
25°	2518.2	2294.7	2088.3	1878.6	1650.7	1413.8	1179.5	949.4	725.1	528.3	336.1
22.5°	2575.0	2350.8	2161.2	1925.6	1694.5	1462.5	1229.3	994.5	767.1	561.2	363.6
20°	2615.8	2416.5	2197.6	1968.4	1748.0	1506.4	1271.0	1035.3	804.6	590.7	390.2
17.5°	2653.6	2472.7	2237.6	2013.5	1799.3	1555.8	1310.7	1072.0	836.8	616.6	413.8
15°	2715.7	2513.1	2271.8	2064.1	1837.5	1595.6	1347.6	1104.2	864.0	639.7	434.3
12.5°	2761.0	2544.0	2312.1	2100.8	1870.4	1623.3	1377.3	1130.3	886.2	659.8	451.9
10°	2796.7	2569.8	2340.3	2127.0	1899.5	1644.8	1399.9	1150.5	904.7	676.7	466.5
7.5°	2824.7	2588.9	2360.9	2149.4	1916.0	1661.7	1415.3	1165.0	919.0	690.3	478.0
5°	2838.3	2601.4	2376.8	2166.4	1925.4	1673.5	1425.6	1174.1	928.9	700.6	486.7
2.5°	2845.4	2607.2	2383.7	2176.4	1929.5	1679.6	1430.6	1178.2	934.3	707.3	492.4
0°	2844.9	2606.4	2380.8	2177.9	1928.4	1679.4	1430.2	1177.6	935.4	710.5	495.3
-2.5°	2847.0	2610.1	2386.8	2178.4	1932.4	1682.3	1433.8	1182.2	938.8	712.6	497.2
-5°	2841.4	2606.8	2383.7	2170.4	1930.8	1678.7	1431.6	1182.2	937.8	711.1	496.3
-7.5°	2829.2	2596.2	2372.9	2155.7	1923.4	1669.1	1423.6	1177.6	932.2	706.0	492.5
-10°	2805.7	2577.9	2356.4	2135.8	1908.3	1654.1	1409.8	1168.3	921.8	697.3	485.8
-12.5°	2777.8	2552.4	2329.2	2112.5	1882.4	1634.1	1391.8	1154.2	907.4	685.1	476.3
-15°	2738.5	2523.4	2288.0	2081.6	1853.3	1609.3	1369.3	1135.2	890.5	669.4	463.9
-17.5°	2674.8	2488.5	2254.2	2039.3	1818.8	1577.9	1341.8	1109.1	869.3	650.5	448.9
-20°	2630.7	2446.8	2214.4	1994.7	1770.4	1539.5	1307.6	1077.5	843.7	629.9	431.1



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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°	2589.9	2374.5	2178.8	1946.1	1718.3	1493.0	1267.9	1041.7	813.8	606.3	410.5
-25°	2540.5	2307.1	2112.6	1901.2	1672.6	1440.8	1225.0	998.3	780.3	579.4	389.6
-27.5°	2453.8	2255.3	2035.6	1829.2	1610.0	1390.2	1178.0	949.2	743.5	549.2	368.3
-30°	2359.9	2187.6	1968.6	1743.2	1537.7	1330.5	1125.2	901.9	704.0	515.7	345.0
-32.5°	2293.3	2078.0	1887.2	1672.0	1452.5	1263.8	1064.6	850.7	661.9	479.7	318.4
-35°	2193.3	1992.9	1772.4	1588.4	1382.5	1192.0	989.2	798.3	617.9	441.5	289.0
-37.5°	2073.0	1877.9	1681.8	1471.5	1300.4	1115.4	915.4	739.1	570.1	404.3	259.5
-40°	1952.9	1751.5	1576.7	1388.1	1211.9	1028.1	841.6	675.5	518.8	369.2	231.3
-42.5°	1792.2	1644.4	1442.7	1288.2	1118.5	934.5	767.0	612.3	463.7	328.9	204.3
-45°	1664.0	1475.4	1342.8	1182.1	1013.4	842.6	684.0	545.5	410.4	284.5	180.6
-47.5°	1485.6	1361.2	1223.6	1069.6	902.6	750.2	609.7	478.3	359.0	246.7	156.1
-50°	1343.7	1219.1	1096.9	944.0	796.8	651.6	531.5	412.8	304.0	209.3	130.5
-52.5°	1185.4	1080.4	951.7	820.2	676.6	567.4	455.7	347.5	252.1	176.3	104.0
-55°	1037.5	920.3	808.0	685.1	583.5	480.1	377.5	288.3	206.0	142.7	77.9
-57.5°	864.4	766.0	662.5	577.9	486.4	393.5	308.3	226.9	168.3	108.9	66.1
-60°	703.0	621.4	543.1	471.1	390.8	312.3	240.4	182.4	130.1	78.7	56.1
-62.5°	555.2	489.8	433.4	361.7	303.9	238.6	186.0	140.6	92.0	63.4	47.8
-65°	425.9	377.3	314.6	279.4	220.1	180.0	140.9	98.8	69.4	52.8	40.1
-67.5°	301.0	272.4	234.3	193.8	164.9	132.2	96.0	70.9	55.2	43.3	33.0
-70°	216.2	186.9	161.7	137.1	113.9	87.1	67.2	54.6	44.0	34.7	26.6
-72.5°	139.3	119.0	104.5	88.1	74.2	61.2	50.8	42.2	34.2	27.1	21.8
-75°	86.0	78.1	68.4	60.4	52.2	45.2	38.0	31.6	26.0	21.3	17.1
-77.5°	59.2	53.4	48.0	42.4	37.2	32.1	27.3	23.0	19.4	16.0	12.5
-80°	39.2	35.5	31.7	28.2	24.7	21.3	18.9	16.4	13.7	10.8	7.8
-82.5°	23.5	21.6	19.8	18.0	16.2	14.4	12.4	10.3	8.2	6.5	5.0
-85°	13.4	12.3	11.1	9.9	8.7	7.5	6.2	5.0	4.1	3.5	2.9
-87.5°	4.4	4.1	3.7	3.4	3.1	2.8	2.4	2.1	1.8	1.5	1.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.1	0.1	0.1	0.0
85°	0.5	0.4	0.3	0.3	0.2	0.1	0.0
82.5°	0.9	0.9	0.8	0.4	0.3	0.2	0.0
80°	2.1	1.6	1.3	0.9	0.4	0.2	0.0
77.5°	3.5	2.7	1.9	1.4	0.6	0.3	0.0
75°	4.9	3.9	2.8	1.8	1.0	0.4	0.0
72.5°	6.4	5.1	3.7	2.5	1.4	0.4	0.0
70°	8.2	6.4	4.7	3.2	1.8	0.5	0.0
67.5°	12.0	7.9	5.6	3.8	2.1	0.5	0.0
65°	16.4	10.2	6.8	4.5	2.5	0.7	0.0
62.5°	21.3	13.4	8.1	5.2	3.0	0.9	0.0
60°	27.0	17.0	9.5	5.9	3.4	1.1	0.0
57.5°	32.9	21.0	12.0	6.6	3.8	1.3	0.0
55°	39.7	25.2	14.4	7.7	4.2	1.5	0.0
52.5°	46.3	29.9	17.0	8.8	4.6	1.6	0.0
50°	52.8	34.6	20.0	9.8	5.0	1.8	0.0
47.5°	59.5	39.8	22.8	11.1	5.4	2.0	0.0
45°	67.9	44.8	25.8	12.8	5.8	2.2	0.0
42.5°	76.3	49.6	29.2	14.4	6.2	2.3	0.0
40°	86.9	54.2	32.5	15.9	6.5	2.5	0.0
37.5°	97.5	58.6	35.7	17.4	6.9	2.7	0.0
35°	110.8	64.3	38.9	19.1	7.4	2.8	0.0
32.5°	125.3	70.6	42.0	20.7	8.0	3.0	0.0
30°	139.6	76.6	44.9	22.3	8.6	3.1	0.0
27.5°	160.5	83.0	47.7	23.8	9.1	3.2	0.0
25°	181.1	90.6	50.2	25.1	9.6	3.3	0.0
22.5°	200.1	98.0	52.5	26.4	10.1	3.5	0.0
20°	218.1	105.0	54.7	27.7	10.5	3.6	0.0
17.5°	235.2	111.6	56.6	29.0	10.9	3.6	0.0
15°	250.4	118.4	58.3	30.2	11.3	3.7	0.0
12.5°	263.7	125.4	59.7	31.3	11.6	3.8	0.0
10°	275.0	131.5	61.0	32.2	11.9	3.9	0.0
7.5°	284.3	136.8	62.0	32.9	12.2	3.9	0.0
5°	291.6	141.2	62.8	33.5	12.4	3.9	0.0
2.5°	296.9	144.5	63.4	33.9	12.5	4.0	0.0
0°	300.2	146.7	63.7	34.1	12.6	4.0	0.0
-2.5°	302.1	148.2	64.1	34.2	12.7	4.0	0.0
-5°	301.9	148.4	64.2	34.2	12.7	4.0	0.0
-7.5°	299.7	147.6	64.0	33.9	12.7	4.0	0.0
-10°	295.4	145.6	63.6	33.5	12.7	4.0	0.0
-12.5°	289.0	142.4	62.9	32.9	12.5	3.9	0.0
-15°	280.5	138.1	61.9	32.2	12.4	3.9	0.0
-17.5°	269.8	133.4	60.7	31.3	12.1	3.8	0.0
-20°	257.0	128.1	59.1	30.2	11.9	3.8	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	243.4	121.8	57.2	29.2	11.6	3.7	0.0
-25°	228.8	114.3	54.9	28.2	11.2	3.6	0.0
-27.5°	212.5	105.8	52.7	27.1	10.7	3.5	0.0
-30°	195.3	97.6	50.4	25.8	10.3	3.4	0.0
-32.5°	181.0	88.9	47.9	24.5	9.7	3.2	0.0
-35°	165.4	79.0	45.1	23.0	9.2	3.1	0.0
-37.5°	149.2	70.2	42.2	21.5	8.6	3.0	0.0
-40°	132.7	65.1	39.2	20.2	8.2	2.8	0.0
-42.5°	114.8	59.6	36.1	18.8	7.8	2.7	0.0
-45°	97.5	54.5	32.8	17.4	7.4	2.5	0.0
-47.5°	78.6	49.8	29.9	15.9	6.9	2.3	0.0
-50°	68.6	45.0	27.1	14.5	6.4	2.1	0.0
-52.5°	59.8	40.3	24.1	13.2	5.8	1.9	0.0
-55°	53.1	35.4	21.7	11.8	5.4	1.7	0.0
-57.5°	46.5	31.0	19.4	10.3	4.9	1.5	0.0
-60°	40.3	26.9	17.0	9.2	4.5	1.3	0.0
-62.5°	34.2	23.3	14.8	8.0	4.0	1.1	0.0
-65°	28.9	20.2	12.6	6.8	3.5	0.9	0.0
-67.5°	24.3	17.1	10.5	5.8	3.0	0.7	0.0
-70°	20.5	14.0	8.5	4.9	2.5	0.6	0.0
-72.5°	16.6	11.1	6.5	4.1	2.1	0.6	0.0
-75°	12.7	8.2	5.3	3.2	1.6	0.5	0.0
-77.5°	8.7	5.9	4.0	2.5	1.1	0.4	0.0
-80°	5.9	4.2	2.9	1.8	0.8	0.3	0.0
-82.5°	3.7	2.8	1.9	1.1	0.6	0.2	0.0
-85°	2.3	1.6	1.1	0.7	0.4	0.2	0.0
-87.5°	1.0	0.8	0.5	0.4	0.2	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)