

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645401 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2E-750-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645401 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA2E-750-U-LAM-VSR-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

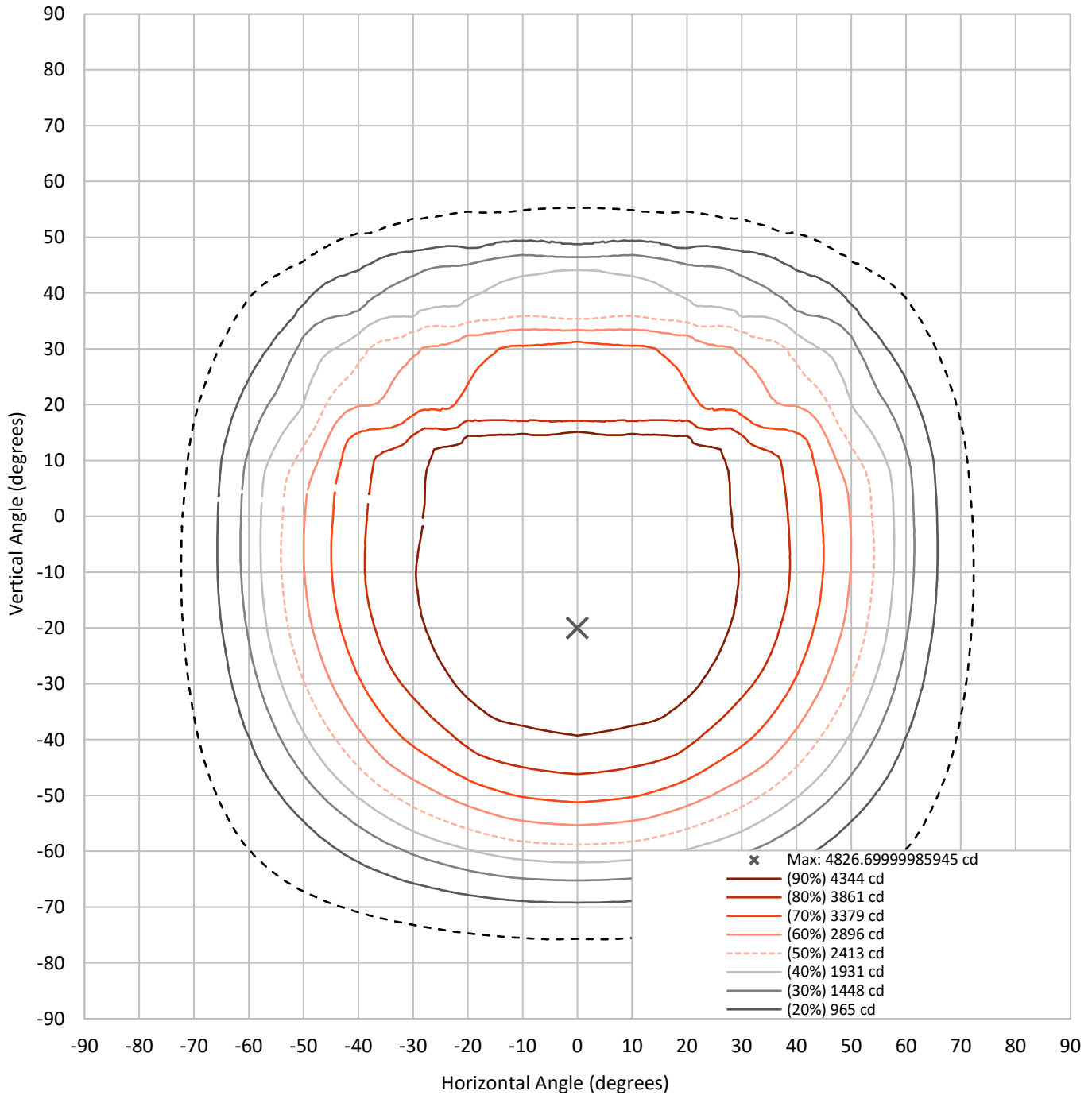
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	11317.6 lumens	Max Intensity:	4826.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	90.0 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	8847.5 lumens	Field Lumens:	11092.9 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	125.7		
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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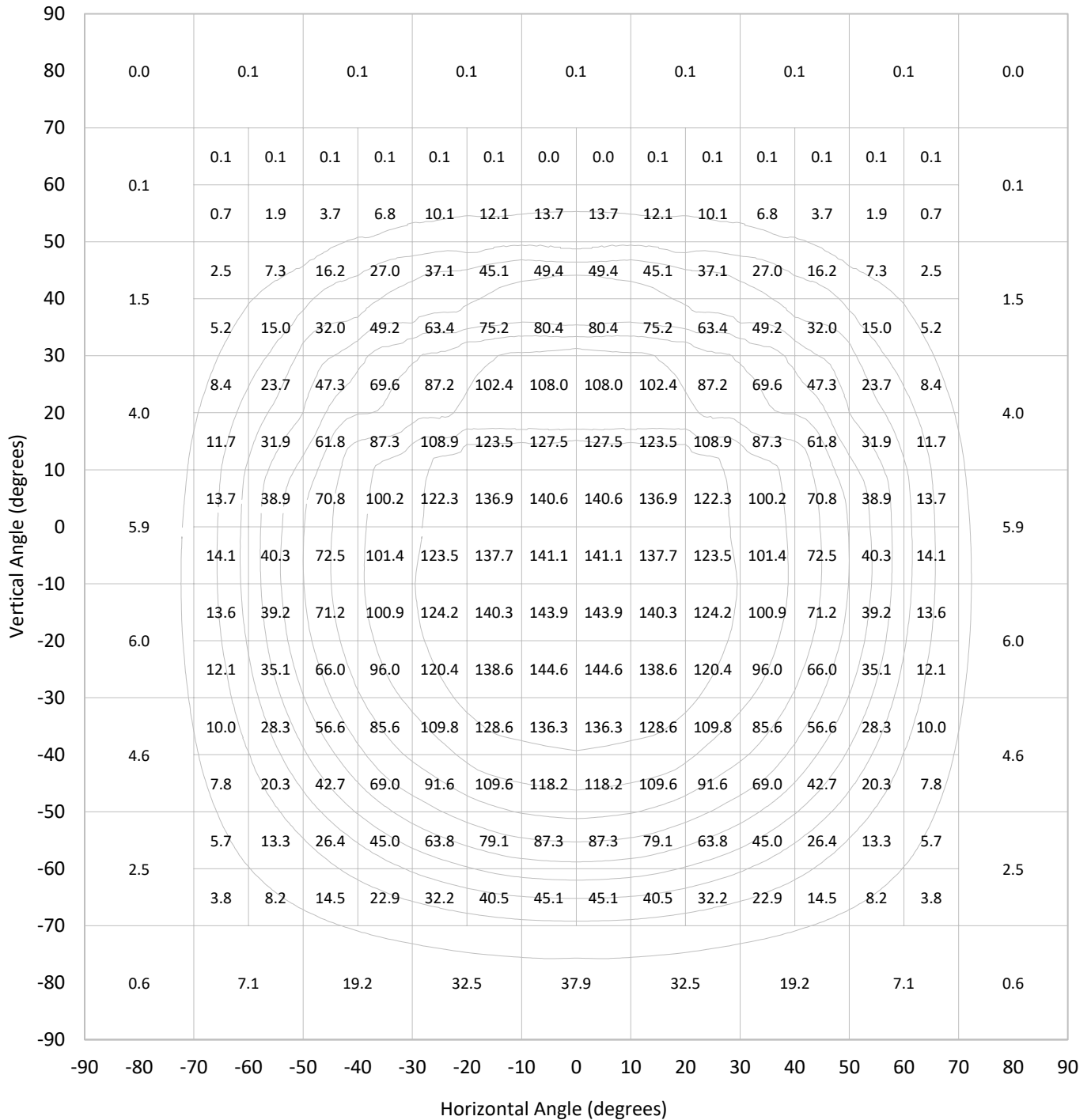
Iso-Candela Plot





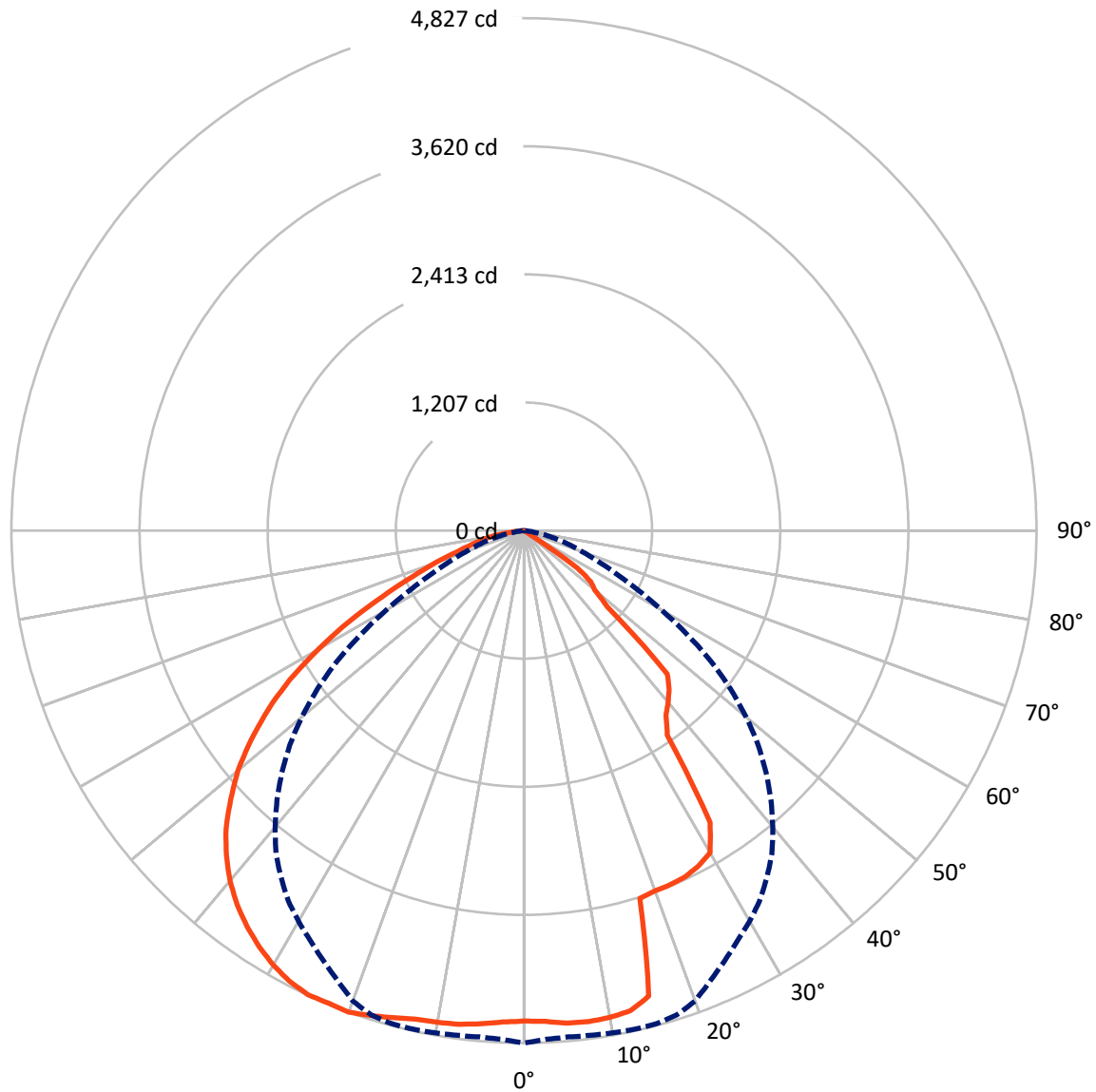
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Lumen Table



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Luminous Intensity Polar Plot

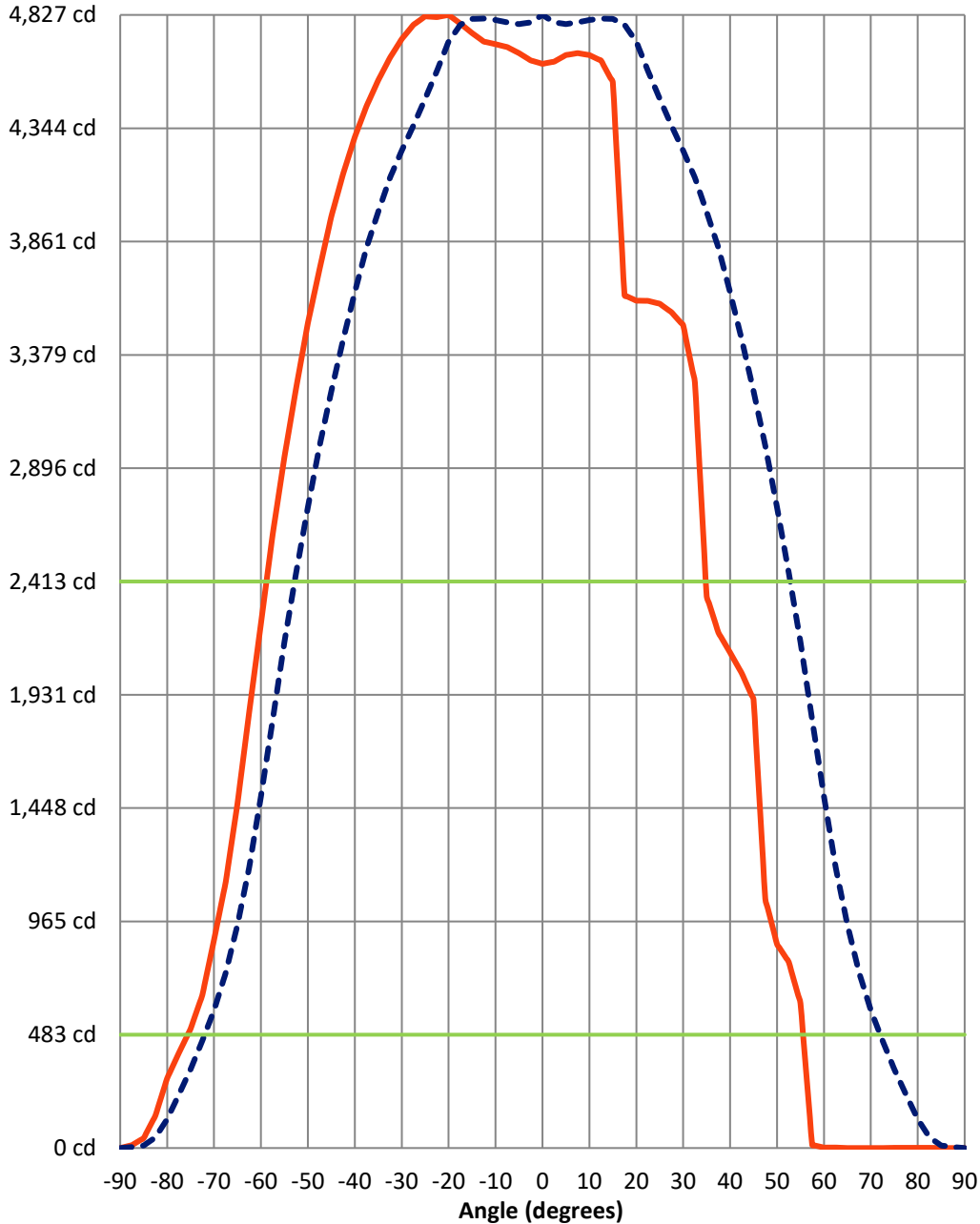


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 8847.5
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 11092.9
 Efficiency: 98.0%

Spill:
 Lumens: 224.7
 Efficiency: 2.0%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through -20-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	0.4	0.5	0.5	0.5	0.5	0.5	0.4
85°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.1	1.1	1.0	0.9
82.5°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.7	1.6	1.3	1.0
80°	0.0	0.5	0.7	1.1	1.5	1.8	2.1	1.9	1.6	1.3	1.0
77.5°	0.0	0.6	0.9	1.4	1.8	2.1	2.1	1.9	1.6	1.3	1.1
75°	0.0	0.7	1.1	1.6	2.1	2.2	2.1	1.9	1.6	1.4	1.1
72.5°	0.0	0.8	1.3	1.9	2.2	2.3	2.2	1.9	1.6	1.4	1.1
70°	0.0	0.9	1.5	2.1	2.3	2.3	2.2	1.9	1.7	1.4	1.6
67.5°	0.0	1.0	1.7	2.2	2.4	2.4	2.5	2.0	1.7	2.3	2.3
65°	0.0	1.1	1.9	2.3	2.5	2.8	2.8	2.0	2.8	3.2	4.1
62.5°	0.0	1.2	2.0	2.4	2.6	3.4	3.3	2.8	3.8	5.7	9.0
60°	0.0	1.3	2.2	2.5	2.7	4.2	3.8	3.9	5.0	14.3	15.6
57.5°	0.0	1.4	2.3	2.6	3.5	5.0	7.1	5.5	14.0	24.3	28.3
55°	0.0	1.5	2.5	2.7	4.4	5.9	11.3	8.9	26.0	37.6	45.8
52.5°	0.0	1.6	2.6	2.8	5.3	7.5	16.1	22.6	39.0	58.9	66.3
50°	0.0	1.7	2.7	3.0	6.2	12.8	21.7	38.2	55.8	82.7	103.6
47.5°	0.0	1.8	2.8	3.2	7.2	18.5	29.2	54.5	80.4	108.8	141.7
45°	0.0	1.9	2.9	4.0	8.2	24.6	44.1	71.6	108.0	141.8	178.7
42.5°	0.0	2.0	3.1	4.8	9.3	31.1	59.3	93.2	136.0	174.0	221.3
40°	0.0	2.1	3.2	5.8	12.5	37.9	74.9	117.9	164.8	205.5	267.0
37.5°	0.0	2.2	3.3	7.0	17.8	45.2	90.8	142.5	195.1	243.4	314.6
35°	0.0	2.3	3.5	8.4	23.3	56.1	106.9	167.2	225.8	289.9	371.0
32.5°	0.0	2.4	3.6	9.9	28.8	68.8	124.4	191.8	256.9	336.7	439.5
30°	0.0	2.5	3.7	11.5	34.4	81.4	144.3	216.6	288.3	383.6	505.2
27.5°	0.0	2.5	3.9	13.3	41.3	93.9	163.9	242.4	322.8	430.5	568.0
25°	0.0	2.6	4.0	15.1	48.3	106.1	183.0	268.0	361.7	481.6	627.9
22.5°	0.0	2.7	4.1	17.0	55.4	118.6	201.6	293.2	399.9	532.7	688.5
20°	0.0	2.8	4.3	19.0	62.3	132.1	219.5	317.8	437.0	581.0	747.7
17.5°	0.0	2.8	4.4	21.0	69.2	145.0	237.2	341.7	473.0	626.2	805.0
15°	0.0	2.9	4.5	23.0	75.9	157.5	254.3	363.9	507.6	668.4	860.0
12.5°	0.0	2.9	4.7	25.0	82.3	169.4	270.2	383.7	535.2	707.5	912.4
10°	0.0	3.0	4.8	27.0	88.5	180.6	285.0	402.0	555.7	731.0	955.1
7.5°	0.0	3.0	4.9	28.9	94.3	191.1	298.6	418.7	573.3	749.2	980.0
5°	0.0	3.0	5.0	30.7	99.8	200.8	310.9	433.7	587.9	763.9	1000.2
2.5°	0.0	3.1	5.1	32.4	104.7	209.6	322.0	447.0	599.7	775.2	1015.7
0°	0.0	3.1	5.2	34.0	109.2	217.4	331.8	458.6	609.0	783.2	1026.3
-2.5°	0.0	3.3	6.0	36.2	113.4	222.4	336.7	465.3	612.3	793.3	1033.2
-5°	0.0	3.4	6.8	38.2	116.9	226.3	340.2	470.3	613.5	799.8	1035.4
-7.5°	0.0	3.6	7.6	40.1	119.8	229.1	342.5	473.4	612.6	802.5	1033.1
-10°	0.0	3.8	8.3	41.6	122.0	230.9	343.5	474.5	610.0	800.9	1026.6
-12.5°	0.0	3.9	9.0	43.0	123.4	231.6	343.3	473.7	605.8	794.4	1015.3
-15°	0.0	4.0	9.7	44.0	124.1	231.3	342.0	470.9	601.0	781.8	999.0
-17.5°	0.0	4.1	10.3	44.8	124.0	229.9	339.5	465.3	595.1	766.1	977.7
-20°	0.0	4.2	10.9	45.3	123.1	227.5	335.6	457.1	586.8	747.3	951.5

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	4.3	11.4	45.4	121.4	224.0	330.0	447.4	576.0	725.7	920.3
-25°	0.0	4.4	11.8	45.2	118.8	218.6	323.1	436.1	562.6	701.4	884.3
-27.5°	0.0	4.4	12.2	44.6	115.4	211.9	314.9	423.3	546.7	677.8	852.3
-30°	0.0	4.5	12.5	43.7	111.0	204.3	305.4	408.9	529.2	657.8	818.2
-32.5°	0.0	4.5	12.8	42.4	106.0	195.7	294.6	395.7	510.7	634.8	781.7
-35°	0.0	4.5	12.9	40.8	100.4	186.3	283.0	381.7	490.7	608.7	742.9
-37.5°	0.0	4.4	13.0	38.7	94.2	176.8	270.4	366.3	469.3	579.5	704.7
-40°	0.0	4.4	13.0	36.3	87.4	168.2	256.9	349.5	446.4	551.9	666.9
-42.5°	0.0	4.3	12.9	33.7	82.3	159.0	242.5	331.2	424.4	522.8	626.3
-45°	0.0	4.2	12.8	31.1	78.8	149.2	227.2	312.3	401.9	491.7	584.1
-47.5°	0.0	4.1	12.6	28.1	74.7	138.9	211.0	293.4	377.7	459.1	547.7
-50°	0.0	4.0	12.2	27.1	70.0	128.0	197.4	273.5	351.0	429.3	509.5
-52.5°	0.0	3.9	11.8	26.5	64.7	116.5	183.9	252.8	325.5	398.5	470.3
-55°	0.0	3.7	11.4	25.7	58.8	107.9	169.8	231.8	299.9	366.8	435.6
-57.5°	0.0	3.5	10.8	24.6	52.3	99.1	155.2	215.1	273.4	336.5	400.1
-60°	0.0	3.3	10.2	23.2	45.5	89.6	140.3	196.7	246.8	305.9	364.6
-62.5°	0.0	3.1	9.6	21.5	42.3	79.2	126.8	176.7	222.3	274.4	329.8
-65°	0.0	2.9	8.9	19.6	38.6	68.2	112.3	155.8	196.3	242.8	294.2
-67.5°	0.0	2.6	8.2	17.5	34.5	59.0	96.9	135.2	168.9	209.9	255.8
-70°	0.0	2.4	7.4	15.2	30.0	51.6	80.6	114.1	144.4	175.4	214.9
-72.5°	0.0	2.1	6.6	13.4	25.1	43.7	68.2	92.5	119.5	146.8	174.5
-75°	0.0	1.8	5.7	11.6	20.0	35.3	55.7	74.5	94.1	117.9	142.1
-77.5°	0.0	1.5	4.8	9.8	16.5	26.4	42.7	57.6	73.1	89.9	109.1
-80°	0.0	1.2	3.9	7.9	13.3	20.1	29.1	40.3	52.4	65.4	79.3
-82.5°	0.0	0.9	2.9	6.0	10.1	15.2	21.4	25.9	31.3	40.4	50.3
-85°	0.0	0.6	2.0	4.0	6.8	10.2	14.3	17.3	20.4	23.6	26.9
-87.5°	0.0	0.3	1.0	2.0	3.4	5.1	7.2	8.7	10.2	11.8	13.5
-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°	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8
85°	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	1.2	1.3	1.3	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
70°	1.6	1.7	1.5	1.2	1.0	1.1	1.2	1.1	1.0	1.0	1.0
67.5°	2.0	1.8	1.5	1.4	1.4	1.6	1.5	1.2	1.0	1.0	1.0
65°	2.1	1.8	2.6	2.9	2.2	1.9	1.6	1.3	1.4	1.5	1.5
62.5°	3.1	3.9	4.9	8.7	6.5	1.9	3.4	4.0	3.0	2.5	2.6
60°	10.1	6.9	20.3	29.1	18.2	6.7	8.1	26.9	23.3	4.3	14.6
57.5°	21.2	29.0	53.5	54.5	37.7	26.0	75.6	87.3	66.1	38.6	59.0
55°	46.6	71.6	88.7	82.1	89.7	135.8	161.3	144.9	122.0	187.7	239.8
52.5°	91.0	116.5	122.3	140.5	201.0	230.9	221.3	236.7	307.0	381.2	397.3
50°	134.3	155.2	171.5	248.0	295.3	298.4	320.4	390.0	483.7	529.2	518.2
47.5°	176.2	197.9	273.6	347.1	368.4	397.6	452.6	587.0	686.2	688.1	676.9
45°	220.6	278.3	375.0	422.9	457.5	513.9	646.8	832.1	841.7	868.6	1034.3
42.5°	268.0	369.1	453.5	503.3	559.1	664.4	841.8	963.4	1005.2	1123.1	1256.3
40°	344.7	456.8	530.5	594.3	666.0	819.6	1013.9	1127.8	1161.8	1263.9	1364.0
37.5°	422.6	530.1	612.7	689.6	789.0	996.4	1221.2	1315.1	1332.3	1351.0	1572.8
35°	497.6	605.2	704.1	804.7	926.6	1225.2	1421.6	1510.0	1507.2	1633.1	1865.4
32.5°	567.7	682.0	798.7	933.2	1134.5	1440.3	1636.9	1689.8	1770.0	1953.2	2270.3
30°	637.7	767.7	901.7	1061.9	1316.9	1582.0	1806.3	1891.4	2028.9	2238.1	2468.8
27.5°	709.8	855.5	1017.6	1205.3	1460.9	1704.5	1896.2	2099.5	2233.0	2420.5	2584.6
25°	781.7	948.5	1132.0	1330.7	1563.8	1790.9	1989.1	2223.9	2367.3	2518.4	2671.5
22.5°	857.0	1042.8	1250.0	1430.1	1650.5	1864.3	2100.2	2354.9	2541.3	2637.4	2740.2
20°	935.7	1144.8	1365.8	1565.3	1736.1	1932.4	2211.8	2521.2	2761.9	2870.0	2884.1
17.5°	1013.3	1243.6	1481.2	1697.2	1881.5	2056.2	2329.0	2720.5	3019.8	3120.3	3165.0
15°	1089.0	1338.7	1596.0	1825.6	2027.9	2241.5	2532.8	2931.0	3273.2	3384.3	3454.6
12.5°	1162.1	1429.3	1709.0	1949.7	2174.4	2414.1	2717.9	3082.4	3394.7	3609.8	3738.8
10°	1231.7	1514.9	1818.6	2068.9	2319.3	2574.0	2871.1	3195.3	3449.5	3656.9	3840.0
7.5°	1266.8	1570.8	1912.8	2182.3	2460.5	2721.9	2996.6	3274.8	3488.9	3692.3	3869.4
5°	1290.6	1593.8	1942.2	2221.8	2535.5	2820.6	3087.2	3327.0	3514.6	3716.3	3889.2
2.5°	1307.7	1608.7	1962.1	2243.4	2563.7	2850.9	3113.3	3344.5	3535.9	3733.4	3910.5
0°	1318.0	1615.8	1972.3	2256.7	2581.3	2870.9	3128.5	3351.1	3550.0	3741.6	3932.3
-2.5°	1323.8	1637.4	1979.1	2290.9	2598.3	2888.1	3149.7	3367.0	3574.9	3757.2	3948.3
-5°	1323.1	1650.3	1977.3	2313.9	2606.5	2894.8	3160.3	3374.2	3588.3	3768.9	3954.8
-7.5°	1315.9	1653.3	1968.4	2321.1	2606.8	2892.5	3155.7	3377.7	3588.1	3779.6	3955.5
-10°	1303.1	1641.6	1960.1	2302.5	2596.8	2880.8	3141.5	3370.1	3579.7	3777.4	3952.0
-12.5°	1288.0	1617.5	1943.0	2275.7	2576.5	2858.9	3119.8	3350.8	3564.1	3761.3	3944.1
-15°	1265.3	1585.5	1914.7	2241.6	2545.6	2827.0	3091.8	3319.3	3539.9	3733.0	3920.7
-17.5°	1234.8	1545.8	1875.0	2201.2	2503.9	2785.4	3055.7	3277.7	3497.2	3696.8	3878.0
-20°	1196.4	1498.7	1823.4	2155.3	2451.0	2729.5	2991.4	3223.9	3442.0	3645.0	3835.4

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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°	1150.0	1444.6	1761.3	2093.2	2385.0	2660.4	2919.1	3155.4	3381.3	3577.6	3780.6
-25°	1103.6	1387.4	1692.6	2007.5	2308.4	2582.6	2842.0	3072.2	3303.1	3507.4	3700.1
-27.5°	1059.1	1321.1	1612.9	1913.0	2221.5	2494.4	2751.5	2981.8	3206.1	3429.3	3614.9
-30°	1009.1	1244.4	1525.5	1812.1	2112.9	2390.7	2649.8	2888.7	3102.2	3322.6	3521.9
-32.5°	954.0	1163.0	1433.2	1708.9	1992.5	2276.5	2533.2	2770.5	2992.5	3201.1	3410.3
-35°	900.1	1097.2	1335.4	1598.1	1865.0	2143.6	2400.5	2635.6	2865.9	3072.5	3272.4
-37.5°	851.6	1026.1	1231.4	1482.4	1737.5	2001.0	2262.2	2489.8	2709.0	2936.1	3131.0
-40°	799.1	949.6	1141.4	1363.2	1603.6	1854.2	2104.4	2339.8	2545.9	2770.3	2984.6
-42.5°	744.1	887.4	1052.5	1237.1	1464.0	1700.2	1941.7	2172.0	2386.0	2597.8	2810.2
-45°	696.0	821.5	962.2	1130.8	1315.5	1537.7	1766.3	1995.9	2201.3	2403.1	2612.9
-47.5°	644.8	755.3	885.3	1020.0	1180.6	1366.4	1581.3	1793.1	2003.3	2195.3	2381.0
-50°	593.8	695.6	802.6	923.8	1056.3	1206.9	1385.4	1582.2	1774.3	1971.4	2155.3
-52.5°	549.9	632.9	729.5	830.7	944.1	1068.7	1211.8	1373.4	1548.1	1715.4	1898.8
-55°	504.3	579.1	657.1	746.2	840.6	945.8	1063.0	1198.9	1332.1	1486.8	1636.6
-57.5°	462.7	525.8	592.3	665.9	747.9	832.1	934.6	1040.2	1161.2	1281.4	1400.0
-60°	423.5	475.1	531.5	593.8	659.7	734.6	811.1	901.9	999.3	1095.2	1195.9
-62.5°	384.0	427.4	473.4	525.1	582.6	639.2	704.5	774.4	846.1	927.4	1006.8
-65°	343.4	378.5	417.5	460.4	506.2	554.4	604.6	656.4	717.4	777.0	834.6
-67.5°	300.3	330.3	361.8	395.6	434.0	471.9	509.7	553.4	598.3	642.5	688.2
-70°	252.4	280.7	307.0	334.4	363.0	392.6	424.9	457.0	488.7	521.7	558.4
-72.5°	203.8	229.8	253.0	273.2	296.7	321.3	344.9	367.4	391.3	416.4	441.2
-75°	162.5	179.7	200.4	219.3	237.9	255.3	270.8	289.9	309.9	328.1	343.1
-77.5°	126.9	142.5	156.6	169.3	184.1	201.5	216.7	229.7	242.4	256.2	270.8
-80°	92.3	105.3	118.2	129.9	138.4	148.3	159.9	173.2	184.7	194.1	202.6
-82.5°	59.6	69.0	78.6	88.3	92.3	95.0	97.5	102.2	109.3	116.3	123.0
-85°	29.7	32.4	38.3	44.3	46.3	47.8	48.8	49.3	51.8	54.0	55.9
-87.5°	14.9	16.2	17.6	18.9	18.2	17.2	16.0	14.6	14.3	13.8	13.3
-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):

	-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°	0.8	0.8	0.9	0.9	0.9	0.7	0.5	0.2	0.0	0.0	0.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.7	0.5
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
67.5°	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.6
65°	1.4	1.4	1.5	1.4	1.3	1.2	1.3	1.2	1.1	0.9	0.6
62.5°	2.6	3.0	2.3	2.3	2.3	2.2	2.1	2.0	1.8	1.8	1.8
60°	16.2	9.6	5.6	6.5	5.9	3.9	5.0	5.8	5.9	5.4	4.8
57.5°	89.6	66.9	49.5	118.2	118.6	56.6	68.2	107.2	88.3	29.0	26.9
55°	249.2	298.0	392.2	372.5	378.6	435.4	475.5	420.9	412.7	439.7	508.0
52.5°	447.7	494.2	525.9	555.5	591.6	630.4	670.3	695.8	719.5	744.9	759.9
50°	571.6	637.2	682.3	665.7	759.1	797.3	758.5	793.2	835.5	847.1	852.5
47.5°	844.1	940.3	959.4	1021.4	1077.1	1075.9	1028.6	1031.4	1157.3	1268.3	1322.9
45°	1213.1	1216.4	1276.9	1386.3	1464.6	1440.0	1506.0	1656.1	1706.1	1754.5	1794.1
42.5°	1356.9	1416.4	1513.0	1609.8	1668.1	1718.7	1767.6	1822.8	1887.7	1940.3	1982.4
40°	1496.0	1544.0	1642.9	1720.8	1769.2	1816.4	1873.4	1934.5	1993.9	2040.2	2071.7
37.5°	1710.2	1747.5	1771.5	1843.9	1935.3	1893.1	2001.2	2078.8	2114.2	2161.2	2165.4
35°	2034.4	2009.6	1977.5	2265.6	2282.9	2185.6	2286.7	2406.9	2343.5	2475.5	2546.4
32.5°	2321.7	2318.0	2569.5	2720.9	2633.8	2704.9	2938.0	2927.6	3083.0	3155.1	3134.5
30°	2592.4	2684.8	2830.2	2943.0	2958.1	3070.3	3173.8	3264.4	3358.2	3442.3	3448.1
27.5°	2729.9	2850.4	2949.1	3014.4	3087.2	3181.6	3275.5	3377.6	3457.4	3510.1	3523.0
25°	2813.0	2936.1	3010.8	3081.1	3161.5	3242.9	3348.1	3459.3	3523.4	3555.9	3566.3
22.5°	2886.3	2996.9	3077.2	3134.3	3220.8	3308.4	3406.5	3500.6	3570.2	3584.4	3589.6
20°	2956.8	3063.1	3197.3	3281.2	3277.1	3375.8	3470.3	3545.1	3603.2	3602.8	3604.2
17.5°	3160.9	3198.8	3442.4	3627.3	3535.8	3487.5	3747.3	3752.2	3767.7	3737.0	3670.5
15°	3463.0	3532.1	3831.4	4031.8	3968.7	3965.4	4340.7	4247.6	4327.7	4306.7	4396.9
12.5°	3783.1	3864.9	4088.6	4285.4	4379.2	4402.2	4527.6	4645.0	4669.2	4659.6	4641.9
10°	4001.2	4117.7	4207.5	4327.0	4421.6	4518.1	4590.8	4675.1	4702.7	4686.7	4664.1
7.5°	4029.6	4144.8	4250.2	4355.0	4445.1	4522.9	4598.3	4666.9	4695.0	4685.7	4670.3
5°	4047.6	4151.9	4254.2	4360.5	4446.7	4518.8	4593.9	4663.4	4680.0	4668.8	4653.7
2.5°	4058.8	4155.3	4253.9	4359.8	4438.0	4506.6	4582.6	4656.8	4656.7	4651.8	4643.0
0°	4064.2	4161.0	4275.4	4371.2	4458.8	4523.7	4599.0	4671.1	4665.9	4652.6	4637.1
-2.5°	4075.7	4173.9	4290.6	4370.0	4468.8	4528.2	4606.0	4668.5	4666.1	4659.5	4651.8
-5°	4086.1	4196.4	4305.7	4389.2	4488.1	4565.9	4643.2	4692.0	4694.7	4685.5	4672.6
-7.5°	4092.4	4214.7	4318.9	4402.8	4498.8	4589.2	4667.6	4718.9	4720.0	4707.8	4692.4
-10°	4090.3	4219.5	4326.7	4413.4	4511.7	4601.0	4682.9	4747.9	4745.8	4734.2	4721.0
-12.5°	4082.6	4211.6	4321.7	4408.7	4520.3	4612.2	4704.4	4769.0	4772.4	4763.7	4749.5
-15°	4065.6	4198.8	4305.9	4400.8	4510.3	4617.7	4712.4	4783.8	4796.5	4789.4	4778.1
-17.5°	4032.0	4172.6	4286.2	4388.5	4493.5	4608.0	4715.7	4793.8	4811.2	4808.3	4799.0
-20°	3987.9	4133.0	4248.3	4355.5	4469.8	4587.8	4713.1	4784.4	4809.7	4811.3	4805.0



REPORT NUMBER: P645401 (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°	3938.4	4080.4	4202.8	4308.1	4432.1	4551.5	4665.0	4748.5	4790.9	4798.8	4799.4
-25°	3879.1	4025.0	4146.6	4258.8	4374.1	4497.4	4612.1	4705.3	4748.3	4768.8	4775.2
-27.5°	3795.2	3946.1	4065.7	4184.3	4301.6	4429.0	4549.5	4650.8	4685.8	4714.0	4725.4
-30°	3697.0	3846.1	3968.1	4076.6	4210.7	4340.6	4465.1	4553.4	4606.2	4638.5	4656.1
-32.5°	3584.0	3734.6	3862.6	3975.9	4103.4	4233.2	4350.4	4443.6	4516.2	4553.5	4572.4
-35°	3461.5	3615.3	3749.3	3868.6	3988.6	4112.4	4233.7	4331.3	4414.1	4446.1	4469.8
-37.5°	3313.8	3483.4	3620.8	3743.8	3857.9	3974.3	4100.6	4212.1	4292.5	4323.6	4348.6
-40°	3162.3	3326.2	3464.8	3596.0	3708.8	3835.9	3957.6	4074.4	4144.2	4180.5	4208.7
-42.5°	3002.4	3150.4	3282.2	3409.7	3535.3	3666.1	3787.7	3909.2	3969.5	4013.2	4047.8
-45°	2817.8	2955.5	3083.6	3202.9	3332.3	3460.9	3582.6	3690.0	3761.8	3818.6	3862.9
-47.5°	2571.6	2739.5	2868.0	2981.5	3109.8	3233.9	3351.8	3452.7	3531.5	3598.0	3649.4
-50°	2321.6	2482.7	2627.8	2755.2	2874.3	2989.0	3101.3	3200.0	3283.4	3355.4	3407.4
-52.5°	2075.4	2226.4	2370.3	2501.9	2616.4	2724.7	2827.4	2926.7	3014.6	3091.6	3142.0
-55°	1797.3	1953.6	2096.0	2218.7	2333.1	2440.2	2541.6	2635.7	2722.3	2800.7	2848.9
-57.5°	1536.3	1673.5	1805.9	1919.2	2027.1	2129.1	2225.2	2315.4	2398.7	2472.6	2519.0
-60°	1296.4	1396.4	1510.4	1615.0	1710.7	1797.5	1887.2	1971.3	2047.8	2112.7	2156.1
-62.5°	1084.4	1167.3	1249.6	1329.2	1406.8	1484.8	1559.8	1629.6	1693.5	1746.7	1784.7
-65°	895.5	962.1	1021.6	1078.0	1131.8	1193.3	1250.4	1304.1	1353.8	1394.5	1423.5
-67.5°	737.4	784.2	825.3	864.0	906.4	949.9	990.6	1026.1	1056.5	1080.6	1099.7
-70°	594.6	629.1	660.1	691.0	721.9	750.2	777.1	803.2	828.1	848.3	863.4
-72.5°	465.7	489.2	510.3	534.1	556.4	577.8	596.5	611.5	623.2	634.6	644.6
-75°	355.0	372.7	396.5	416.7	433.4	448.0	461.5	473.5	484.1	493.5	501.7
-77.5°	285.6	300.6	315.8	330.5	344.7	355.2	365.0	374.8	384.4	392.7	400.0
-80°	211.7	222.8	234.6	246.3	258.1	263.9	268.6	272.9	276.7	281.7	286.3
-82.5°	129.4	135.7	142.2	148.8	155.4	157.1	157.6	157.5	156.7	154.9	152.1
-85°	57.6	57.9	57.7	57.1	56.0	53.7	50.9	47.7	44.1	43.5	42.8
-87.5°	12.7	12.4	12.1	11.7	11.2	11.2	11.1	11.0	10.9	11.3	11.7
-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: P645401 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-750-U-LAM-VSR-XX

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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
85°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.9	0.9
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	0.5	0.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	0.5	0.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0
67.5°	0.4	0.1	0.0	0.0	0.0	0.1	0.4	0.6	0.9	1.0	1.0
65°	0.3	0.1	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.1	1.2
62.5°	1.9	2.0	2.1	2.1	2.1	2.0	1.9	1.8	1.8	1.8	2.0
60°	3.7	2.5	2.1	2.1	2.1	2.5	3.7	4.8	5.4	5.9	5.8
57.5°	22.8	17.0	14.5	13.4	14.5	17.0	22.8	26.9	29.0	88.3	107.2
55°	556.9	585.2	606.4	616.2	606.4	585.2	556.9	508.0	439.7	412.7	420.9
52.5°	773.2	785.6	792.7	792.4	792.7	785.6	773.2	759.9	744.9	719.5	695.8
50°	861.9	867.8	870.0	868.7	870.0	867.8	861.9	852.5	847.1	835.5	793.2
47.5°	1273.0	1162.8	1081.8	1062.4	1081.8	1162.8	1273.0	1322.9	1268.3	1157.3	1031.4
45°	1813.1	1854.9	1896.5	1909.5	1896.5	1854.9	1813.1	1794.1	1754.5	1706.1	1656.1
42.5°	2000.1	2013.8	2021.5	2021.8	2021.5	2013.8	2000.1	1982.4	1940.3	1887.7	1822.8
40°	2089.4	2102.3	2109.8	2110.4	2109.8	2102.3	2089.4	2071.7	2040.2	1993.9	1934.5
37.5°	2170.5	2181.4	2188.6	2195.9	2188.6	2181.4	2170.5	2165.4	2161.2	2114.2	2078.8
35°	2536.8	2453.8	2334.5	2352.6	2334.5	2453.8	2536.8	2546.4	2475.5	2343.5	2406.9
32.5°	3166.7	3201.5	3223.3	3260.4	3223.3	3201.5	3166.7	3134.5	3155.1	3083.0	2927.6
30°	3457.3	3468.8	3486.2	3504.6	3486.2	3468.8	3457.3	3448.1	3442.3	3358.2	3264.4
27.5°	3529.8	3541.7	3552.3	3560.3	3552.3	3541.7	3529.8	3523.0	3510.1	3457.4	3377.6
25°	3567.7	3575.1	3586.4	3596.3	3586.4	3575.1	3567.7	3566.3	3555.9	3523.4	3459.3
22.5°	3586.6	3587.4	3596.2	3608.7	3596.2	3587.4	3586.6	3589.6	3584.4	3570.2	3500.6
20°	3599.5	3592.5	3601.6	3609.7	3601.6	3592.5	3599.5	3604.2	3602.8	3603.2	3545.1
17.5°	3764.3	3670.3	3631.7	3632.4	3631.7	3670.3	3764.3	3670.5	3737.0	3767.7	3752.2
15°	4295.7	4331.0	4466.2	4539.2	4466.2	4331.0	4295.7	4396.9	4306.7	4327.7	4247.6
12.5°	4638.7	4626.1	4610.1	4631.9	4610.1	4626.1	4638.7	4641.9	4659.6	4669.2	4645.0
10°	4654.5	4653.1	4624.5	4655.6	4624.5	4653.1	4654.5	4664.1	4686.7	4702.7	4675.1
7.5°	4644.8	4645.7	4633.5	4663.9	4633.5	4645.7	4644.8	4670.3	4685.7	4695.0	4666.9
5°	4651.3	4630.3	4638.2	4655.6	4638.2	4630.3	4651.3	4653.7	4668.8	4680.0	4663.4
2.5°	4633.3	4631.1	4615.6	4627.8	4615.6	4631.1	4633.3	4643.0	4651.8	4656.7	4656.8
0°	4619.6	4608.2	4608.2	4618.5	4608.2	4608.2	4619.6	4637.1	4652.6	4665.9	4671.1
-2.5°	4644.0	4641.6	4640.1	4633.0	4640.1	4641.6	4644.0	4651.8	4659.5	4666.1	4668.5
-5°	4664.0	4657.9	4641.0	4663.9	4641.0	4657.9	4664.0	4672.6	4685.5	4694.7	4692.0
-7.5°	4685.5	4669.9	4653.9	4689.6	4653.9	4669.9	4685.5	4692.4	4707.8	4720.0	4718.9
-10°	4705.2	4682.6	4667.0	4702.0	4667.0	4682.6	4705.2	4721.0	4734.2	4745.8	4747.9
-12.5°	4731.2	4704.8	4694.4	4713.3	4694.4	4704.8	4731.2	4749.5	4763.7	4772.4	4769.0
-15°	4759.0	4740.6	4738.2	4749.4	4738.2	4740.6	4759.0	4778.1	4789.4	4796.5	4783.8
-17.5°	4783.4	4770.5	4776.9	4789.6	4776.9	4770.5	4783.4	4799.0	4808.3	4811.2	4793.8
-20°	4795.0	4787.8	4794.9	4826.7	4794.9	4787.8	4795.0	4805.0	4811.3	4809.7	4784.4



REPORT NUMBER: P645401 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4794.0	4794.5	4807.0	4817.4	4807.0	4794.5	4794.0	4799.4	4798.8	4790.9	4748.5
-25°	4775.7	4785.3	4799.8	4820.5	4799.8	4785.3	4775.7	4775.2	4768.8	4748.3	4705.3
-27.5°	4731.6	4747.6	4762.7	4784.5	4762.7	4747.6	4731.6	4725.4	4714.0	4685.8	4650.8
-30°	4667.8	4686.8	4700.3	4723.7	4700.3	4686.8	4667.8	4656.1	4638.5	4606.2	4553.4
-32.5°	4590.2	4611.7	4627.7	4644.3	4627.7	4611.7	4590.2	4572.4	4553.5	4516.2	4443.6
-35°	4493.1	4516.3	4533.3	4548.5	4533.3	4516.3	4493.1	4469.8	4446.1	4414.1	4331.3
-37.5°	4376.5	4401.5	4420.8	4438.2	4420.8	4401.5	4376.5	4348.6	4323.6	4292.5	4212.1
-40°	4240.7	4266.3	4287.0	4306.3	4287.0	4266.3	4240.7	4208.7	4180.5	4144.2	4074.4
-42.5°	4081.9	4107.8	4129.1	4148.7	4129.1	4107.8	4081.9	4047.8	4013.2	3969.5	3909.2
-45°	3898.5	3925.2	3947.7	3968.3	3947.7	3925.2	3898.5	3862.9	3818.6	3761.8	3690.0
-47.5°	3687.3	3715.8	3735.1	3744.7	3735.1	3715.8	3687.3	3649.4	3598.0	3531.5	3452.7
-50°	3445.1	3473.7	3496.8	3513.9	3496.8	3473.7	3445.1	3407.4	3355.4	3283.4	3200.0
-52.5°	3178.7	3205.8	3225.7	3237.7	3225.7	3205.8	3178.7	3142.0	3091.6	3014.6	2926.7
-55°	2886.9	2915.3	2934.2	2943.0	2934.2	2915.3	2886.9	2848.9	2800.7	2722.3	2635.7
-57.5°	2555.9	2582.9	2603.0	2614.3	2603.0	2582.9	2555.9	2519.0	2472.6	2398.7	2315.4
-60°	2189.8	2213.9	2229.1	2235.1	2229.1	2213.9	2189.8	2156.1	2112.7	2047.8	1971.3
-62.5°	1815.3	1838.2	1852.4	1857.9	1852.4	1838.2	1815.3	1784.7	1746.7	1693.5	1629.6
-65°	1445.0	1459.3	1467.2	1468.4	1467.2	1459.3	1445.0	1423.5	1394.5	1353.8	1304.1
-67.5°	1114.8	1125.7	1132.3	1134.5	1132.3	1125.7	1114.8	1099.7	1080.6	1056.5	1026.1
-70°	874.7	882.3	886.5	887.2	886.5	882.3	874.7	863.4	848.3	828.1	803.2
-72.5°	652.2	657.6	655.7	651.3	655.7	657.6	652.2	644.6	634.6	623.2	611.5
-75°	508.8	514.7	512.2	508.0	512.2	514.7	508.8	501.7	493.5	484.1	473.5
-77.5°	406.4	411.8	409.2	405.0	409.2	411.8	406.4	400.0	392.7	384.4	374.8
-80°	290.2	293.4	295.6	296.8	295.6	293.4	290.2	286.3	281.7	276.7	272.9
-82.5°	148.6	144.2	141.4	138.1	141.4	144.2	148.6	152.1	154.9	156.7	157.5
-85°	42.0	41.0	41.6	42.2	41.6	41.0	42.0	42.8	43.5	44.1	47.7
-87.5°	12.0	12.4	12.4	12.4	12.4	12.4	12.0	11.7	11.3	10.9	11.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645401 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-750-U-LAM-VSR-XX

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°	0.5	0.7	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7
85°	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1
67.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.2
65°	1.3	1.2	1.3	1.4	1.5	1.4	1.4	1.5	1.5	1.4	1.3
62.5°	2.1	2.2	2.3	2.3	2.3	3.0	2.6	2.6	2.5	3.0	4.0
60°	5.0	3.9	5.9	6.5	5.6	9.6	16.2	14.6	4.3	23.3	26.9
57.5°	68.2	56.6	118.6	118.2	49.5	66.9	89.6	59.0	38.6	66.1	87.3
55°	475.5	435.4	378.6	372.5	392.2	298.0	249.2	239.8	187.7	122.0	144.9
52.5°	670.3	630.4	591.6	555.5	525.9	494.2	447.7	397.3	381.2	307.0	236.7
50°	758.5	797.3	759.1	665.7	682.3	637.2	571.6	518.2	529.2	483.7	390.0
47.5°	1028.6	1075.9	1077.1	1021.4	959.4	940.3	844.1	676.9	688.1	686.2	587.0
45°	1506.0	1440.0	1464.6	1386.3	1276.9	1216.4	1213.1	1034.3	868.6	841.7	832.1
42.5°	1767.6	1718.7	1668.1	1609.8	1513.0	1416.4	1356.9	1256.3	1123.1	1005.2	963.4
40°	1873.4	1816.4	1769.2	1720.8	1642.9	1544.0	1496.0	1364.0	1263.9	1161.8	1127.8
37.5°	2001.2	1893.1	1935.3	1843.9	1771.5	1747.5	1710.2	1572.8	1351.0	1332.3	1315.1
35°	2286.7	2185.6	2282.9	2265.6	1977.5	2009.6	2034.4	1865.4	1633.1	1507.2	1510.0
32.5°	2938.0	2704.9	2633.8	2720.9	2569.5	2318.0	2321.7	2270.3	1953.2	1770.0	1689.8
30°	3173.8	3070.3	2958.1	2943.0	2830.2	2684.8	2592.4	2468.8	2238.1	2028.9	1891.4
27.5°	3275.5	3181.6	3087.2	3014.4	2949.1	2850.4	2729.9	2584.6	2420.5	2233.0	2099.5
25°	3348.1	3242.9	3161.5	3081.1	3010.8	2936.1	2813.0	2671.5	2518.4	2367.3	2223.9
22.5°	3406.5	3308.4	3220.8	3134.3	3077.2	2996.9	2886.3	2740.2	2637.4	2541.3	2354.9
20°	3470.3	3375.8	3277.1	3281.2	3197.3	3063.1	2956.8	2884.1	2870.0	2761.9	2521.2
17.5°	3747.3	3487.5	3535.8	3627.3	3442.4	3198.8	3160.9	3165.0	3120.3	3019.8	2720.5
15°	4340.7	3965.4	3968.7	4031.8	3831.4	3532.1	3463.0	3454.6	3384.3	3273.2	2931.0
12.5°	4527.6	4402.2	4379.2	4285.4	4088.6	3864.9	3783.1	3738.8	3609.8	3394.7	3082.4
10°	4590.8	4518.1	4421.6	4327.0	4207.5	4117.7	4001.2	3840.0	3656.9	3449.5	3195.3
7.5°	4598.3	4522.9	4445.1	4355.0	4250.2	4144.8	4029.6	3869.4	3692.3	3488.9	3274.8
5°	4593.9	4518.8	4446.7	4360.5	4254.2	4151.9	4047.6	3889.2	3716.3	3514.6	3327.0
2.5°	4582.6	4506.6	4438.0	4359.8	4253.9	4155.3	4058.8	3910.5	3733.4	3535.9	3344.5
0°	4599.0	4523.7	4458.8	4371.2	4275.4	4161.0	4064.2	3932.3	3741.6	3550.0	3351.1
-2.5°	4606.0	4528.2	4468.8	4370.0	4290.6	4173.9	4075.7	3948.3	3757.2	3574.9	3367.0
-5°	4643.2	4565.9	4488.1	4389.2	4305.7	4196.4	4086.1	3954.8	3768.9	3588.3	3374.2
-7.5°	4667.6	4589.2	4498.8	4402.8	4318.9	4214.7	4092.4	3955.5	3779.6	3588.1	3377.7
-10°	4682.9	4601.0	4511.7	4413.4	4326.7	4219.5	4090.3	3952.0	3777.4	3579.7	3370.1
-12.5°	4704.4	4612.2	4520.3	4408.7	4321.7	4211.6	4082.6	3944.1	3761.3	3564.1	3350.8
-15°	4712.4	4617.7	4510.3	4400.8	4305.9	4198.8	4065.6	3920.7	3733.0	3539.9	3319.3
-17.5°	4715.7	4608.0	4493.5	4388.5	4286.2	4172.6	4032.0	3878.0	3696.8	3497.2	3277.7
-20°	4713.1	4587.8	4469.8	4355.5	4248.3	4133.0	3987.9	3835.4	3645.0	3442.0	3223.9

Classified

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

Scaled Data Report



REPORT NUMBER: P645401 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2E-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4665.0	4551.5	4432.1	4308.1	4202.8	4080.4	3938.4	3780.6	3577.6	3381.3	3155.4
-25°	4612.1	4497.4	4374.1	4258.8	4146.6	4025.0	3879.1	3700.1	3507.4	3303.1	3072.2
-27.5°	4549.5	4429.0	4301.6	4184.3	4065.7	3946.1	3795.2	3614.9	3429.3	3206.1	2981.8
-30°	4465.1	4340.6	4210.7	4076.6	3968.1	3846.1	3697.0	3521.9	3322.6	3102.2	2888.7
-32.5°	4350.4	4233.2	4103.4	3975.9	3862.6	3734.6	3584.0	3410.3	3201.1	2992.5	2770.5
-35°	4233.7	4112.4	3988.6	3868.6	3749.3	3615.3	3461.5	3272.4	3072.5	2865.9	2635.6
-37.5°	4100.6	3974.3	3857.9	3743.8	3620.8	3483.4	3313.8	3131.0	2936.1	2709.0	2489.8
-40°	3957.6	3835.9	3708.8	3596.0	3464.8	3326.2	3162.3	2984.6	2770.3	2545.9	2339.8
-42.5°	3787.7	3666.1	3535.3	3409.7	3282.2	3150.4	3002.4	2810.2	2597.8	2386.0	2172.0
-45°	3582.6	3460.9	3332.3	3202.9	3083.6	2955.5	2817.8	2612.9	2403.1	2201.3	1995.9
-47.5°	3351.8	3233.9	3109.8	2981.5	2868.0	2739.5	2571.6	2381.0	2195.3	2003.3	1793.1
-50°	3101.3	2989.0	2874.3	2755.2	2627.8	2482.7	2321.6	2155.3	1971.4	1774.3	1582.2
-52.5°	2827.4	2724.7	2616.4	2501.9	2370.3	2226.4	2075.4	1898.8	1715.4	1548.1	1373.4
-55°	2541.6	2440.2	2333.1	2218.7	2096.0	1953.6	1797.3	1636.6	1486.8	1332.1	1198.9
-57.5°	2225.2	2129.1	2027.1	1919.2	1805.9	1673.5	1536.3	1400.0	1281.4	1161.2	1040.2
-60°	1887.2	1797.5	1710.7	1615.0	1510.4	1396.4	1296.4	1195.9	1095.2	999.3	901.9
-62.5°	1559.8	1484.8	1406.8	1329.2	1249.6	1167.3	1084.4	1006.8	927.4	846.1	774.4
-65°	1250.4	1193.3	1131.8	1078.0	1021.6	962.1	895.5	834.6	777.0	717.4	656.4
-67.5°	990.6	949.9	906.4	864.0	825.3	784.2	737.4	688.2	642.5	598.3	553.4
-70°	777.1	750.2	721.9	691.0	660.1	629.1	594.6	558.4	521.7	488.7	457.0
-72.5°	596.5	577.8	556.4	534.1	510.3	489.2	465.7	441.2	416.4	391.3	367.4
-75°	461.5	448.0	433.4	416.7	396.5	372.7	355.0	343.1	328.1	309.9	289.9
-77.5°	365.0	355.2	344.7	330.5	315.8	300.6	285.6	270.8	256.2	242.4	229.7
-80°	268.6	263.9	258.1	246.3	234.6	222.8	211.7	202.6	194.1	184.7	173.2
-82.5°	157.6	157.1	155.4	148.8	142.2	135.7	129.4	123.0	116.3	109.3	102.2
-85°	50.9	53.7	56.0	57.1	57.7	57.9	57.6	55.9	54.0	51.8	49.3
-87.5°	11.1	11.2	11.2	11.7	12.1	12.4	12.7	13.3	13.8	14.3	14.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645401 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-750-U-LAM-VSR-XX

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°	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.5	0.5	0.5
85°	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	1.0	1.1	1.1
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.6	1.7
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.6	1.9
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.3	1.6	1.9
75°	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.1	1.4	1.6	1.9
72.5°	1.0	1.0	1.0	1.1	1.3	1.3	1.2	1.1	1.4	1.6	1.9
70°	1.2	1.1	1.0	1.2	1.5	1.7	1.6	1.6	1.4	1.7	1.9
67.5°	1.5	1.6	1.4	1.4	1.5	1.8	2.0	2.3	2.3	1.7	2.0
65°	1.6	1.9	2.2	2.9	2.6	1.8	2.1	4.1	3.2	2.8	2.0
62.5°	3.4	1.9	6.5	8.7	4.9	3.9	3.1	9.0	5.7	3.8	2.8
60°	8.1	6.7	18.2	29.1	20.3	6.9	10.1	15.6	14.3	5.0	3.9
57.5°	75.6	26.0	37.7	54.5	53.5	29.0	21.2	28.3	24.3	14.0	5.5
55°	161.3	135.8	89.7	82.1	88.7	71.6	46.6	45.8	37.6	26.0	8.9
52.5°	221.3	230.9	201.0	140.5	122.3	116.5	91.0	66.3	58.9	39.0	22.6
50°	320.4	298.4	295.3	248.0	171.5	155.2	134.3	103.6	82.7	55.8	38.2
47.5°	452.6	397.6	368.4	347.1	273.6	197.9	176.2	141.7	108.8	80.4	54.5
45°	646.8	513.9	457.5	422.9	375.0	278.3	220.6	178.7	141.8	108.0	71.6
42.5°	841.8	664.4	559.1	503.3	453.5	369.1	268.0	221.3	174.0	136.0	93.2
40°	1013.9	819.6	666.0	594.3	530.5	456.8	344.7	267.0	205.5	164.8	117.9
37.5°	1221.2	996.4	789.0	689.6	612.7	530.1	422.6	314.6	243.4	195.1	142.5
35°	1421.6	1225.2	926.6	804.7	704.1	605.2	497.6	371.0	289.9	225.8	167.2
32.5°	1636.9	1440.3	1134.5	933.2	798.7	682.0	567.7	439.5	336.7	256.9	191.8
30°	1806.3	1582.0	1316.9	1061.9	901.7	767.7	637.7	505.2	383.6	288.3	216.6
27.5°	1896.2	1704.5	1460.9	1205.3	1017.6	855.5	709.8	568.0	430.5	322.8	242.4
25°	1989.1	1790.9	1563.8	1330.7	1132.0	948.5	781.7	627.9	481.6	361.7	268.0
22.5°	2100.2	1864.3	1650.5	1430.1	1250.0	1042.8	857.0	688.5	532.7	399.9	293.2
20°	2211.8	1932.4	1736.1	1565.3	1365.8	1144.8	935.7	747.7	581.0	437.0	317.8
17.5°	2329.0	2056.2	1881.5	1697.2	1481.2	1243.6	1013.3	805.0	626.2	473.0	341.7
15°	2532.8	2241.5	2027.9	1825.6	1596.0	1338.7	1089.0	860.0	668.4	507.6	363.9
12.5°	2717.9	2414.1	2174.4	1949.7	1709.0	1429.3	1162.1	912.4	707.5	535.2	383.7
10°	2871.1	2574.0	2319.3	2068.9	1818.6	1514.9	1231.7	955.1	731.0	555.7	402.0
7.5°	2996.6	2721.9	2460.5	2182.3	1912.8	1570.8	1266.8	980.0	749.2	573.3	418.7
5°	3087.2	2820.6	2535.5	2221.8	1942.2	1593.8	1290.6	1000.2	763.9	587.9	433.7
2.5°	3113.3	2850.9	2563.7	2243.4	1962.1	1608.7	1307.7	1015.7	775.2	599.7	447.0
0°	3128.5	2870.9	2581.3	2256.7	1972.3	1615.8	1318.0	1026.3	783.2	609.0	458.6
-2.5°	3149.7	2888.1	2598.3	2290.9	1979.1	1637.4	1323.8	1033.2	793.3	612.3	465.3
-5°	3160.3	2894.8	2606.5	2313.9	1977.3	1650.3	1323.1	1035.4	799.8	613.5	470.3
-7.5°	3155.7	2892.5	2606.8	2321.1	1968.4	1653.3	1315.9	1033.1	802.5	612.6	473.4
-10°	3141.5	2880.8	2596.8	2302.5	1960.1	1641.6	1303.1	1026.6	800.9	610.0	474.5
-12.5°	3119.8	2858.9	2576.5	2275.7	1943.0	1617.5	1288.0	1015.3	794.4	605.8	473.7
-15°	3091.8	2827.0	2545.6	2241.6	1914.7	1585.5	1265.3	999.0	781.8	601.0	470.9
-17.5°	3055.7	2785.4	2503.9	2201.2	1875.0	1545.8	1234.8	977.7	766.1	595.1	465.3
-20°	2991.4	2729.5	2451.0	2155.3	1823.4	1498.7	1196.4	951.5	747.3	586.8	457.1



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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°	2919.1	2660.4	2385.0	2093.2	1761.3	1444.6	1150.0	920.3	725.7	576.0	447.4
-25°	2842.0	2582.6	2308.4	2007.5	1692.6	1387.4	1103.6	884.3	701.4	562.6	436.1
-27.5°	2751.5	2494.4	2221.5	1913.0	1612.9	1321.1	1059.1	852.3	677.8	546.7	423.3
-30°	2649.8	2390.7	2112.9	1812.1	1525.5	1244.4	1009.1	818.2	657.8	529.2	408.9
-32.5°	2533.2	2276.5	1992.5	1708.9	1433.2	1163.0	954.0	781.7	634.8	510.7	395.7
-35°	2400.5	2143.6	1865.0	1598.1	1335.4	1097.2	900.1	742.9	608.7	490.7	381.7
-37.5°	2262.2	2001.0	1737.5	1482.4	1231.4	1026.1	851.6	704.7	579.5	469.3	366.3
-40°	2104.4	1854.2	1603.6	1363.2	1141.4	949.6	799.1	666.9	551.9	446.4	349.5
-42.5°	1941.7	1700.2	1464.0	1237.1	1052.5	887.4	744.1	626.3	522.8	424.4	331.2
-45°	1766.3	1537.7	1315.5	1130.8	962.2	821.5	696.0	584.1	491.7	401.9	312.3
-47.5°	1581.3	1366.4	1180.6	1020.0	885.3	755.3	644.8	547.7	459.1	377.7	293.4
-50°	1385.4	1206.9	1056.3	923.8	802.6	695.6	593.8	509.5	429.3	351.0	273.5
-52.5°	1211.8	1068.7	944.1	830.7	729.5	632.9	549.9	470.3	398.5	325.5	252.8
-55°	1063.0	945.8	840.6	746.2	657.1	579.1	504.3	435.6	366.8	299.9	231.8
-57.5°	934.6	832.1	747.9	665.9	592.3	525.8	462.7	400.1	336.5	273.4	215.1
-60°	811.1	734.6	659.7	593.8	531.5	475.1	423.5	364.6	305.9	246.8	196.7
-62.5°	704.5	639.2	582.6	525.1	473.4	427.4	384.0	329.8	274.4	222.3	176.7
-65°	604.6	554.4	506.2	460.4	417.5	378.5	343.4	294.2	242.8	196.3	155.8
-67.5°	509.7	471.9	434.0	395.6	361.8	330.3	300.3	255.8	209.9	168.9	135.2
-70°	424.9	392.6	363.0	334.4	307.0	280.7	252.4	214.9	175.4	144.4	114.1
-72.5°	344.9	321.3	296.7	273.2	253.0	229.8	203.8	174.5	146.8	119.5	92.5
-75°	270.8	255.3	237.9	219.3	200.4	179.7	162.5	142.1	117.9	94.1	74.5
-77.5°	216.7	201.5	184.1	169.3	156.6	142.5	126.9	109.1	89.9	73.1	57.6
-80°	159.9	148.3	138.4	129.9	118.2	105.3	92.3	79.3	65.4	52.4	40.3
-82.5°	97.5	95.0	92.3	88.3	78.6	69.0	59.6	50.3	40.4	31.3	25.9
-85°	48.8	47.8	46.3	44.3	38.3	32.4	29.7	26.9	23.6	20.4	17.3
-87.5°	16.0	17.2	18.2	18.9	17.6	16.2	14.9	13.5	11.8	10.2	8.7
-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):

	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°	0.5	0.5	0.4	0.3	0.2	0.1	0.0
85°	1.1	0.9	0.7	0.5	0.4	0.2	0.0
82.5°	1.6	1.4	1.1	0.8	0.5	0.3	0.0
80°	2.1	1.8	1.5	1.1	0.7	0.5	0.0
77.5°	2.1	2.1	1.8	1.4	0.9	0.6	0.0
75°	2.1	2.2	2.1	1.6	1.1	0.7	0.0
72.5°	2.2	2.3	2.2	1.9	1.3	0.8	0.0
70°	2.2	2.3	2.3	2.1	1.5	0.9	0.0
67.5°	2.5	2.4	2.4	2.2	1.7	1.0	0.0
65°	2.8	2.8	2.5	2.3	1.9	1.1	0.0
62.5°	3.3	3.4	2.6	2.4	2.0	1.2	0.0
60°	3.8	4.2	2.7	2.5	2.2	1.3	0.0
57.5°	7.1	5.0	3.5	2.6	2.3	1.4	0.0
55°	11.3	5.9	4.4	2.7	2.5	1.5	0.0
52.5°	16.1	7.5	5.3	2.8	2.6	1.6	0.0
50°	21.7	12.8	6.2	3.0	2.7	1.7	0.0
47.5°	29.2	18.5	7.2	3.2	2.8	1.8	0.0
45°	44.1	24.6	8.2	4.0	2.9	1.9	0.0
42.5°	59.3	31.1	9.3	4.8	3.1	2.0	0.0
40°	74.9	37.9	12.5	5.8	3.2	2.1	0.0
37.5°	90.8	45.2	17.8	7.0	3.3	2.2	0.0
35°	106.9	56.1	23.3	8.4	3.5	2.3	0.0
32.5°	124.4	68.8	28.8	9.9	3.6	2.4	0.0
30°	144.3	81.4	34.4	11.5	3.7	2.5	0.0
27.5°	163.9	93.9	41.3	13.3	3.9	2.5	0.0
25°	183.0	106.1	48.3	15.1	4.0	2.6	0.0
22.5°	201.6	118.6	55.4	17.0	4.1	2.7	0.0
20°	219.5	132.1	62.3	19.0	4.3	2.8	0.0
17.5°	237.2	145.0	69.2	21.0	4.4	2.8	0.0
15°	254.3	157.5	75.9	23.0	4.5	2.9	0.0
12.5°	270.2	169.4	82.3	25.0	4.7	2.9	0.0
10°	285.0	180.6	88.5	27.0	4.8	3.0	0.0
7.5°	298.6	191.1	94.3	28.9	4.9	3.0	0.0
5°	310.9	200.8	99.8	30.7	5.0	3.0	0.0
2.5°	322.0	209.6	104.7	32.4	5.1	3.1	0.0
0°	331.8	217.4	109.2	34.0	5.2	3.1	0.0
-2.5°	336.7	222.4	113.4	36.2	6.0	3.3	0.0
-5°	340.2	226.3	116.9	38.2	6.8	3.4	0.0
-7.5°	342.5	229.1	119.8	40.1	7.6	3.6	0.0
-10°	343.5	230.9	122.0	41.6	8.3	3.8	0.0
-12.5°	343.3	231.6	123.4	43.0	9.0	3.9	0.0
-15°	342.0	231.3	124.1	44.0	9.7	4.0	0.0
-17.5°	339.5	229.9	124.0	44.8	10.3	4.1	0.0
-20°	335.6	227.5	123.1	45.3	10.9	4.2	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	330.0	224.0	121.4	45.4	11.4	4.3	0.0
-25°	323.1	218.6	118.8	45.2	11.8	4.4	0.0
-27.5°	314.9	211.9	115.4	44.6	12.2	4.4	0.0
-30°	305.4	204.3	111.0	43.7	12.5	4.5	0.0
-32.5°	294.6	195.7	106.0	42.4	12.8	4.5	0.0
-35°	283.0	186.3	100.4	40.8	12.9	4.5	0.0
-37.5°	270.4	176.8	94.2	38.7	13.0	4.4	0.0
-40°	256.9	168.2	87.4	36.3	13.0	4.4	0.0
-42.5°	242.5	159.0	82.3	33.7	12.9	4.3	0.0
-45°	227.2	149.2	78.8	31.1	12.8	4.2	0.0
-47.5°	211.0	138.9	74.7	28.1	12.6	4.1	0.0
-50°	197.4	128.0	70.0	27.1	12.2	4.0	0.0
-52.5°	183.9	116.5	64.7	26.5	11.8	3.9	0.0
-55°	169.8	107.9	58.8	25.7	11.4	3.7	0.0
-57.5°	155.2	99.1	52.3	24.6	10.8	3.5	0.0
-60°	140.3	89.6	45.5	23.2	10.2	3.3	0.0
-62.5°	126.8	79.2	42.3	21.5	9.6	3.1	0.0
-65°	112.3	68.2	38.6	19.6	8.9	2.9	0.0
-67.5°	96.9	59.0	34.5	17.5	8.2	2.6	0.0
-70°	80.6	51.6	30.0	15.2	7.4	2.4	0.0
-72.5°	68.2	43.7	25.1	13.4	6.6	2.1	0.0
-75°	55.7	35.3	20.0	11.6	5.7	1.8	0.0
-77.5°	42.7	26.4	16.5	9.8	4.8	1.5	0.0
-80°	29.1	20.1	13.3	7.9	3.9	1.2	0.0
-82.5°	21.4	15.2	10.1	6.0	2.9	0.9	0.0
-85°	14.3	10.2	6.8	4.0	2.0	0.6	0.0
-87.5°	7.2	5.1	3.4	2.0	1.0	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)