

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: P645417 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3C-727-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645417 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3C-727-U-LAM-VSR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (48) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

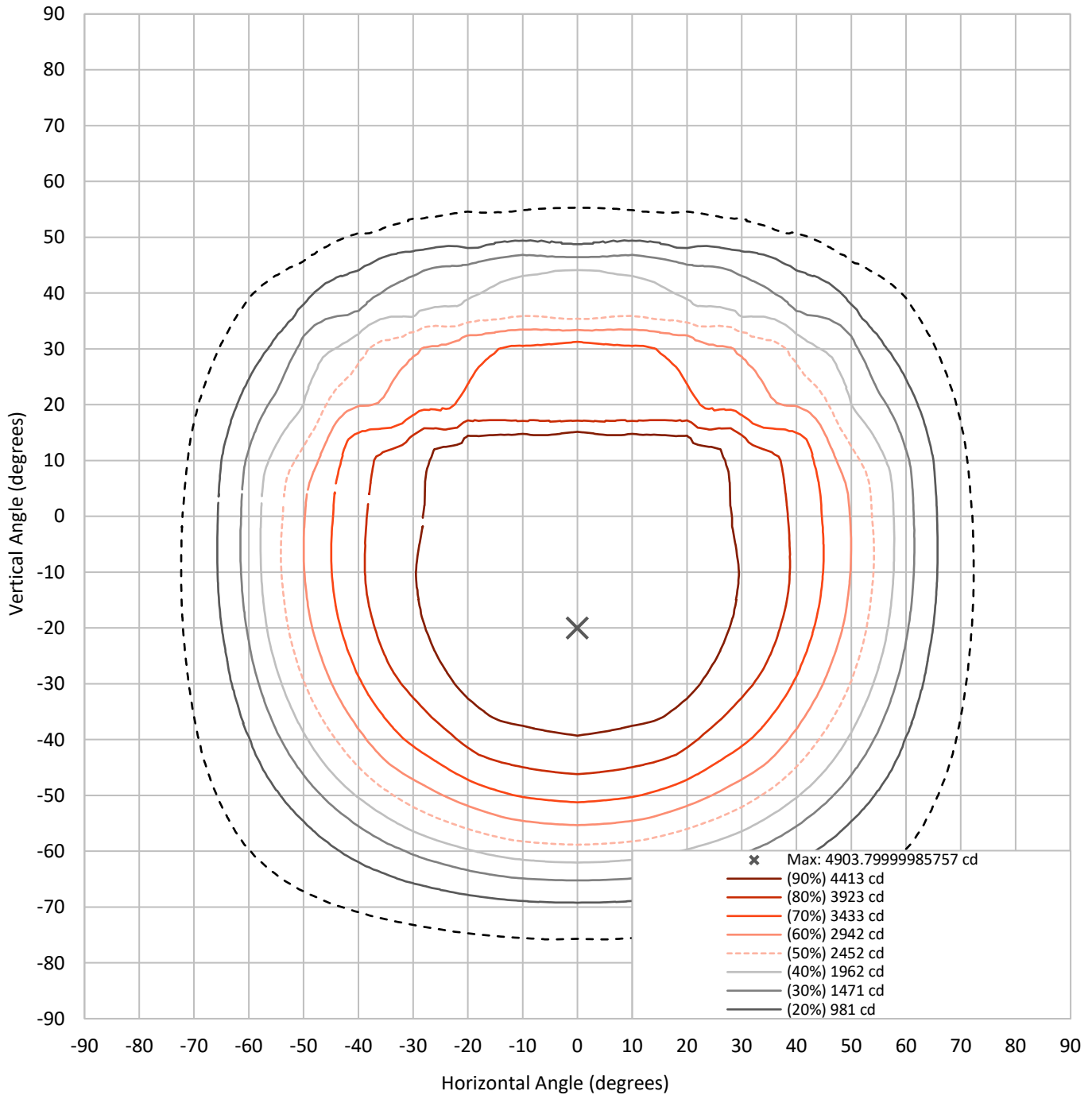
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	11498.5 lumens	Max Intensity:	4903.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	94.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	8988.9 lumens	Field Lumens:	11270.2 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	121.7		
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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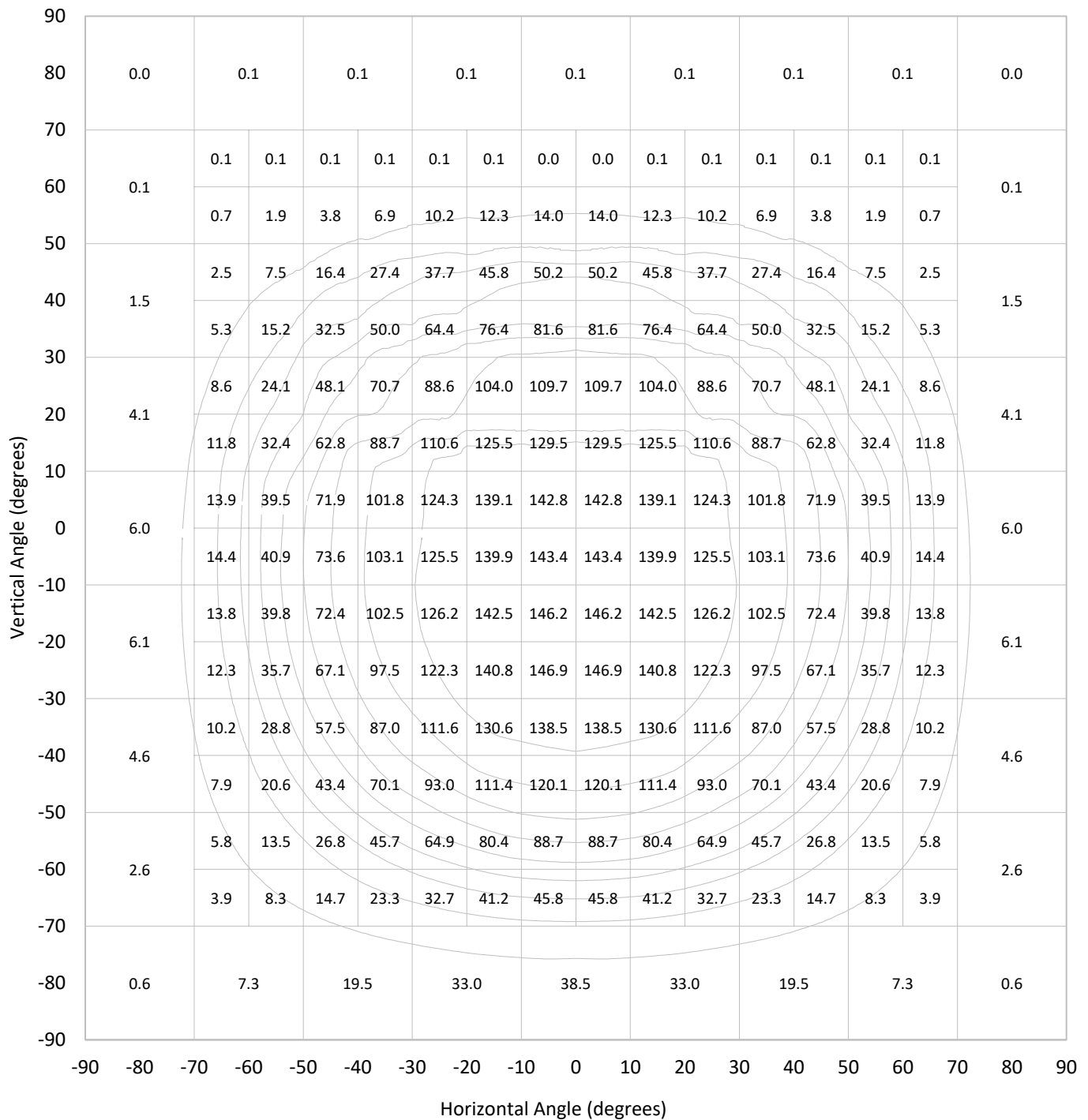
Iso-Candela Plot





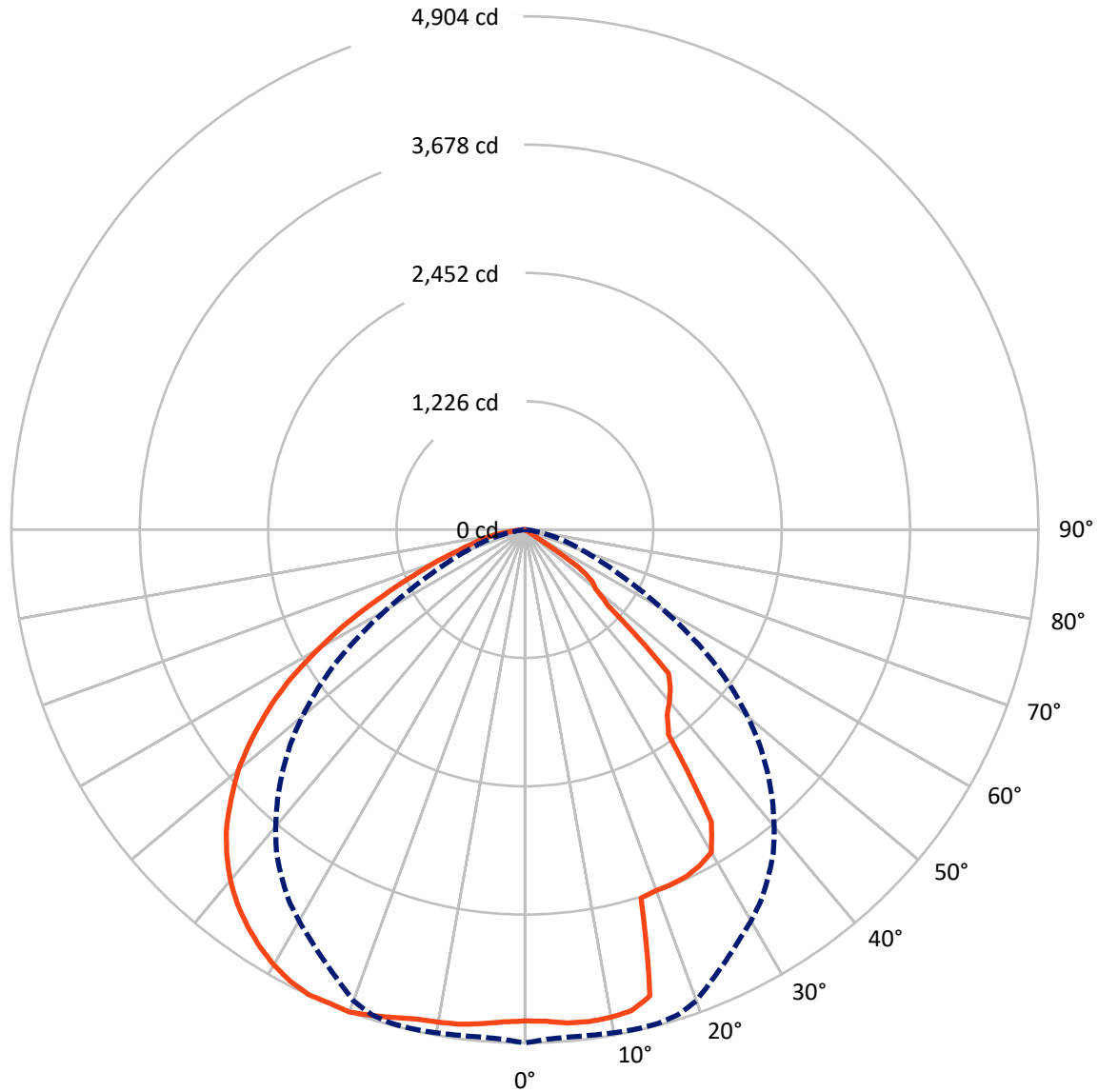
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Lumen Table



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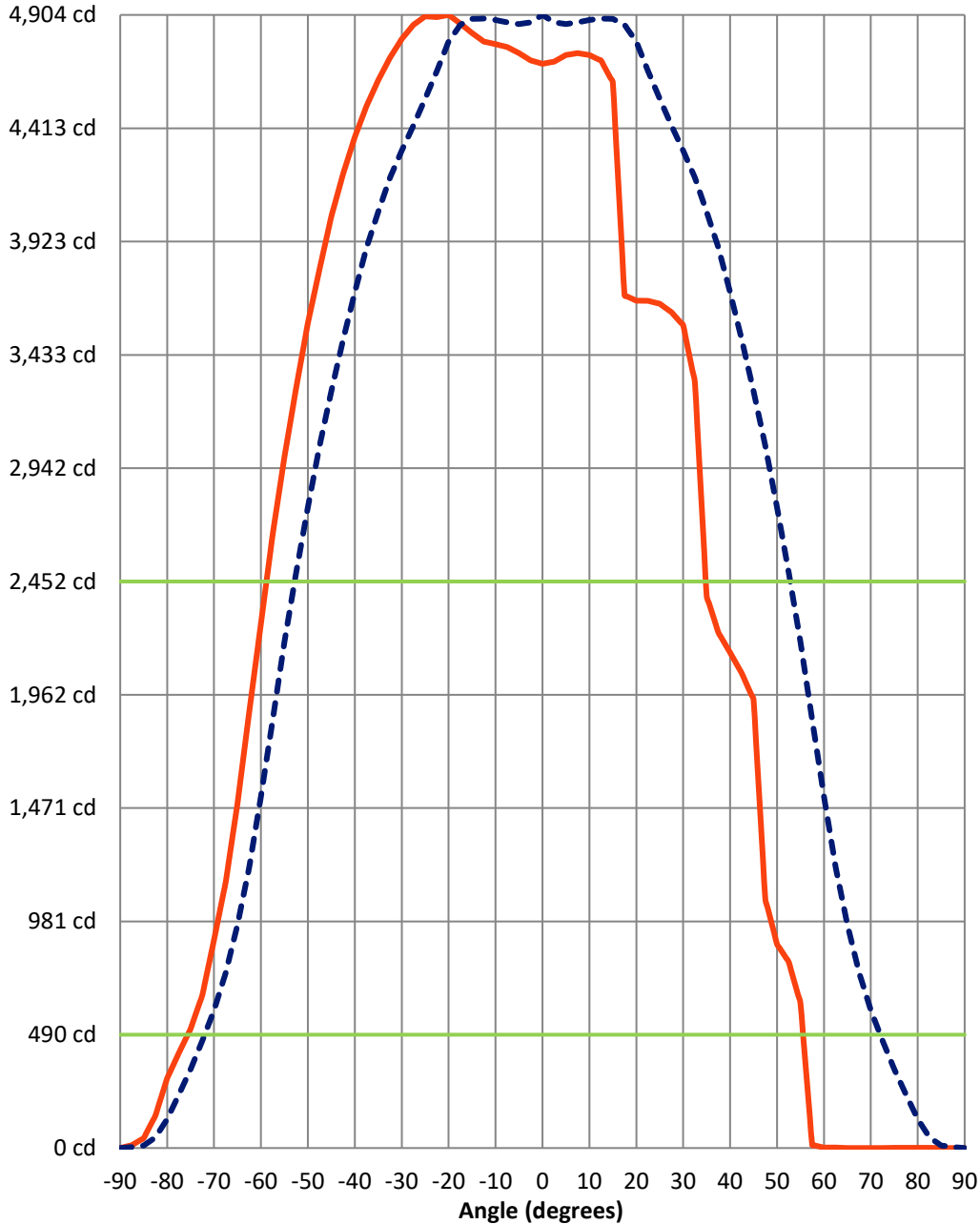
Luminous Intensity Polar Plot



— 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: 8988.9
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 11270.2
 Efficiency: 98.0%

Spill:
 Lumens: 228.3
 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	2.4
65°	0.0	1.1	1.9	2.3	2.5	2.8	2.8	2.0	2.8	3.3	4.1
62.5°	0.0	1.2	2.0	2.4	2.6	3.4	3.3	2.8	3.9	5.7	9.1
60°	0.0	1.3	2.2	2.5	2.7	4.2	3.9	4.0	5.0	14.5	15.8
57.5°	0.0	1.4	2.3	2.6	3.5	5.0	7.2	5.6	14.2	24.7	28.7
55°	0.0	1.5	2.5	2.7	4.4	5.9	11.4	9.0	26.4	38.1	46.4
52.5°	0.0	1.6	2.6	2.8	5.3	7.6	16.4	22.9	39.6	59.8	67.4
50°	0.0	1.7	2.7	3.0	6.3	13.0	22.1	38.8	56.7	83.9	105.2
47.5°	0.0	1.8	2.8	3.2	7.3	18.8	29.7	55.3	81.7	110.5	143.9
45°	0.0	1.9	2.9	4.0	8.3	25.0	44.8	72.7	109.6	144.1	181.5
42.5°	0.0	2.0	3.1	4.8	9.4	31.6	60.3	94.7	138.1	176.7	224.8
40°	0.0	2.1	3.2	5.9	12.7	38.5	76.1	119.7	167.4	208.8	271.2
37.5°	0.0	2.2	3.3	7.1	18.1	45.9	92.2	144.8	198.2	247.3	319.7
35°	0.0	2.3	3.5	8.5	23.7	57.0	108.6	169.8	229.4	294.5	376.9
32.5°	0.0	2.4	3.6	10.0	29.3	69.9	126.3	194.8	261.0	342.1	446.5
30°	0.0	2.5	3.7	11.7	35.0	82.7	146.6	220.0	292.9	389.7	513.3
27.5°	0.0	2.5	3.9	13.5	42.0	95.4	166.5	246.3	328.0	437.3	577.1
25°	0.0	2.6	4.0	15.3	49.1	107.8	185.9	272.3	367.5	489.3	637.9
22.5°	0.0	2.7	4.1	17.3	56.3	120.5	204.8	297.9	406.3	541.2	699.6
20°	0.0	2.8	4.3	19.3	63.3	134.2	223.0	322.9	444.0	590.3	759.7
17.5°	0.0	2.8	4.4	21.3	70.3	147.3	241.0	347.2	480.6	636.3	817.9
15°	0.0	2.9	4.5	23.3	77.1	160.0	258.3	369.8	515.7	679.2	873.8
12.5°	0.0	2.9	4.7	25.4	83.7	172.1	274.5	389.9	543.7	718.9	927.1
10°	0.0	3.0	4.8	27.4	89.9	183.5	289.6	408.5	564.6	742.8	970.4
7.5°	0.0	3.0	4.9	29.3	95.9	194.2	303.4	425.4	582.4	761.2	995.7
5°	0.0	3.0	5.0	31.2	101.4	204.0	315.9	440.6	597.2	776.1	1016.2
2.5°	0.0	3.1	5.1	32.9	106.5	213.0	327.2	454.1	609.3	787.6	1031.9
0°	0.0	3.1	5.2	34.5	111.0	220.9	337.1	465.9	618.7	795.7	1042.7
-2.5°	0.0	3.3	6.0	36.8	115.2	225.9	342.0	472.8	622.1	806.0	1049.8
-5°	0.0	3.5	6.8	38.8	118.8	229.9	345.6	477.8	623.3	812.6	1052.0
-7.5°	0.0	3.6	7.6	40.7	121.7	232.8	348.0	480.9	622.4	815.4	1049.7
-10°	0.0	3.8	8.4	42.3	124.0	234.6	349.0	482.1	619.8	813.8	1043.0
-12.5°	0.0	3.9	9.1	43.6	125.4	235.4	348.8	481.3	615.5	807.2	1031.6
-15°	0.0	4.0	9.8	44.7	126.2	235.0	347.5	478.5	610.6	794.4	1015.0
-17.5°	0.0	4.2	10.4	45.5	126.1	233.6	344.9	472.7	604.7	778.4	993.4
-20°	0.0	4.3	11.0	46.0	125.1	231.2	341.0	464.5	596.2	759.3	966.7

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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	11.5	46.1	123.4	227.6	335.3	454.6	585.2	737.4	935.1
-25°	0.0	4.4	12.0	45.9	120.7	222.2	328.3	443.1	571.6	712.6	898.4
-27.5°	0.0	4.5	12.4	45.3	117.2	215.3	319.9	430.1	555.4	688.6	865.9
-30°	0.0	4.5	12.7	44.4	112.8	207.6	310.3	415.5	537.7	668.4	831.3
-32.5°	0.0	4.5	12.9	43.1	107.7	198.9	299.3	402.1	518.9	645.0	794.2
-35°	0.0	4.5	13.1	41.4	102.0	189.3	287.5	387.9	498.6	618.4	754.8
-37.5°	0.0	4.5	13.2	39.4	95.7	179.7	274.8	372.2	476.8	588.8	716.0
-40°	0.0	4.4	13.2	36.9	88.8	170.9	261.1	355.1	453.7	560.8	677.6
-42.5°	0.0	4.4	13.1	34.3	83.7	161.6	246.4	336.5	431.3	531.2	636.3
-45°	0.0	4.3	13.0	31.6	80.1	151.6	230.8	317.3	408.3	499.7	593.5
-47.5°	0.0	4.2	12.8	28.5	75.9	141.1	214.3	298.1	383.8	466.6	556.5
-50°	0.0	4.1	12.4	27.5	71.1	130.0	200.6	277.9	356.6	436.2	517.7
-52.5°	0.0	3.9	12.0	27.0	65.7	118.4	186.8	256.8	330.7	404.9	477.9
-55°	0.0	3.8	11.6	26.1	59.7	109.7	172.5	235.5	304.7	372.7	442.6
-57.5°	0.0	3.6	11.0	25.0	53.1	100.7	157.7	218.6	277.7	341.9	406.5
-60°	0.0	3.4	10.4	23.6	46.2	91.0	142.6	199.9	250.8	310.8	370.4
-62.5°	0.0	3.2	9.7	21.9	42.9	80.5	128.9	179.5	225.9	278.8	335.1
-65°	0.0	2.9	9.0	20.0	39.2	69.3	114.1	158.4	199.5	246.7	298.9
-67.5°	0.0	2.7	8.3	17.8	35.0	59.9	98.4	137.4	171.7	213.2	259.9
-70°	0.0	2.4	7.5	15.5	30.5	52.4	81.9	115.9	146.8	178.2	218.4
-72.5°	0.0	2.1	6.7	13.6	25.6	44.4	69.3	94.0	121.4	149.2	177.4
-75°	0.0	1.9	5.8	11.8	20.3	35.8	56.6	75.7	95.5	119.8	144.4
-77.5°	0.0	1.6	4.9	10.0	16.8	26.9	43.4	58.5	74.3	91.3	110.8
-80°	0.0	1.3	3.9	8.1	13.6	20.5	29.6	41.0	53.2	66.4	80.6
-82.5°	0.0	0.9	3.0	6.1	10.3	15.5	21.8	26.4	31.8	41.1	51.2
-85°	0.0	0.6	2.0	4.1	6.9	10.4	14.6	17.6	20.8	24.0	27.4
-87.5°	0.0	0.3	1.0	2.0	3.5	5.2	7.3	8.8	10.4	12.0	13.7
-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°	0.5	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	5.0	8.8	6.6	1.9	3.4	4.1	3.0	2.5	2.6
60°	10.2	6.9	20.6	29.6	18.5	6.8	8.2	27.4	23.7	4.4	14.8
57.5°	21.5	29.5	54.3	55.3	38.3	26.4	76.8	88.7	67.1	39.2	59.9
55°	47.3	72.7	90.1	83.4	91.1	137.9	163.9	147.2	124.0	190.7	243.6
52.5°	92.4	118.4	124.3	142.7	204.2	234.6	224.8	240.5	311.9	387.3	403.7
50°	136.5	157.7	174.2	251.9	300.1	303.1	325.5	396.2	491.4	537.6	526.4
47.5°	179.0	201.1	278.0	352.6	374.3	403.9	459.8	596.3	697.1	699.1	687.7
45°	224.1	282.7	380.9	429.6	464.7	522.1	657.1	845.4	855.2	882.5	1050.8
42.5°	272.3	375.0	460.7	511.3	568.0	675.0	855.2	978.8	1021.3	1141.0	1276.3
40°	350.2	464.1	539.0	603.7	676.6	832.7	1030.1	1145.9	1180.4	1284.0	1385.7
37.5°	429.3	538.5	622.5	700.5	801.6	1012.3	1240.7	1336.1	1353.6	1372.5	1597.9
35°	505.5	614.9	715.3	817.5	941.4	1244.8	1444.3	1534.0	1531.3	1659.2	1895.3
32.5°	576.7	692.9	811.5	948.1	1152.6	1463.4	1663.0	1716.7	1798.2	1984.4	2306.6
30°	647.9	780.0	916.1	1078.9	1338.0	1607.2	1835.2	1921.6	2061.3	2273.8	2508.2
27.5°	721.2	869.2	1033.8	1224.6	1484.2	1731.8	1926.4	2133.0	2268.7	2459.1	2625.9
25°	794.2	963.7	1150.1	1351.9	1588.7	1819.5	2020.8	2259.4	2405.1	2558.6	2714.2
22.5°	870.7	1059.5	1269.9	1452.9	1676.9	1894.0	2133.8	2392.5	2581.9	2679.5	2784.0
20°	950.7	1163.1	1387.6	1590.2	1763.9	1963.3	2247.1	2561.5	2806.1	2915.9	2930.2
17.5°	1029.5	1263.5	1504.9	1724.3	1911.6	2089.1	2366.2	2764.0	3068.1	3170.1	3215.5
15°	1106.4	1360.1	1621.5	1854.7	2060.3	2277.4	2573.3	2977.9	3325.4	3438.4	3509.8
12.5°	1180.6	1452.2	1736.3	1980.9	2209.2	2452.6	2761.4	3131.7	3449.0	3667.4	3798.5
10°	1251.3	1539.1	1847.7	2101.9	2356.3	2615.2	2917.0	3246.3	3504.6	3715.3	3901.3
7.5°	1287.0	1596.0	1943.4	2217.1	2499.8	2765.5	3044.4	3327.1	3544.6	3751.3	3931.2
5°	1311.2	1619.3	1973.3	2257.3	2576.0	2865.7	3136.5	3380.2	3570.8	3775.7	3951.3
2.5°	1328.5	1634.4	1993.5	2279.3	2604.7	2896.5	3163.1	3397.9	3592.4	3793.1	3972.9
0°	1339.0	1641.6	2003.8	2292.8	2622.6	2916.8	3178.5	3404.6	3606.7	3801.4	3995.1
-2.5°	1344.9	1663.6	2010.7	2327.6	2639.9	2934.3	3200.1	3420.8	3632.0	3817.3	4011.4
-5°	1344.2	1676.6	2008.9	2350.9	2648.2	2941.1	3210.8	3428.1	3645.7	3829.1	4018.1
-7.5°	1336.9	1679.7	1999.8	2358.2	2648.5	2938.7	3206.1	3431.6	3645.5	3840.0	4018.7
-10°	1323.9	1667.8	1991.5	2339.3	2638.4	2926.8	3191.6	3423.9	3636.9	3837.8	4015.2
-12.5°	1308.5	1643.3	1974.0	2312.1	2617.7	2904.6	3169.7	3404.3	3621.0	3821.4	4007.2
-15°	1285.5	1610.8	1945.3	2277.5	2586.3	2872.2	3141.1	3372.3	3596.4	3792.7	3983.4
-17.5°	1254.6	1570.4	1905.0	2236.4	2544.0	2829.9	3104.5	3330.1	3553.1	3755.9	3940.0
-20°	1215.6	1522.6	1852.6	2189.7	2490.3	2773.1	3039.2	3275.4	3497.0	3703.2	3896.7

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1168.5	1467.7	1789.4	2126.7	2423.2	2702.9	2965.8	3205.8	3435.4	3634.8	3841.0
-25°	1121.2	1409.6	1719.6	2039.5	2345.3	2623.9	2887.5	3121.3	3355.9	3563.4	3759.3
-27.5°	1076.0	1342.2	1638.6	1943.5	2257.0	2534.3	2795.5	3029.5	3257.3	3484.2	3672.7
-30°	1025.2	1264.3	1549.8	1841.1	2146.6	2428.9	2692.2	2935.0	3151.7	3375.7	3578.2
-32.5°	969.2	1181.6	1456.1	1736.2	2024.4	2312.8	2573.7	2814.8	3040.4	3252.2	3464.8
-35°	914.4	1114.8	1356.7	1623.6	1894.8	2177.8	2438.8	2677.7	2911.7	3121.6	3324.7
-37.5°	865.2	1042.5	1251.1	1506.1	1765.2	2032.9	2298.3	2529.6	2752.3	2983.0	3181.1
-40°	811.9	964.8	1159.6	1385.0	1629.2	1883.8	2137.9	2377.1	2586.5	2814.5	3032.3
-42.5°	756.0	901.6	1069.4	1256.9	1487.4	1727.4	1972.7	2206.7	2424.1	2639.3	2855.1
-45°	707.2	834.6	977.5	1148.8	1336.5	1562.3	1794.5	2027.8	2236.4	2441.5	2654.6
-47.5°	655.2	767.3	899.5	1036.3	1199.4	1388.2	1606.6	1821.7	2035.3	2230.4	2419.0
-50°	603.4	706.8	815.4	938.5	1073.2	1226.1	1407.5	1607.5	1802.7	2002.9	2189.8
-52.5°	558.7	643.1	741.2	844.0	959.2	1085.8	1231.1	1395.4	1572.8	1742.8	1929.2
-55°	512.4	588.4	667.6	758.1	854.0	960.9	1080.0	1218.1	1353.5	1510.7	1662.8
-57.5°	470.1	534.2	601.8	676.6	759.9	845.4	949.5	1056.9	1179.8	1301.9	1422.4
-60°	430.3	482.7	540.0	603.3	670.3	746.4	824.1	916.3	1015.3	1112.8	1215.0
-62.5°	390.2	434.3	481.0	533.5	591.9	649.4	715.8	786.9	859.7	942.3	1022.9
-65°	348.9	384.5	424.2	467.7	514.3	563.3	614.3	666.9	728.9	789.4	848.0
-67.5°	305.0	335.5	367.6	401.9	441.0	479.5	517.8	562.3	607.9	652.7	699.2
-70°	256.5	285.2	311.9	339.8	368.8	398.9	431.7	464.3	496.4	530.0	567.3
-72.5°	207.1	233.5	257.0	277.5	301.4	326.4	350.4	373.3	397.5	423.0	448.3
-75°	165.2	182.7	203.6	222.8	241.7	259.4	275.2	294.6	314.8	333.3	348.6
-77.5°	128.9	144.8	159.1	172.0	187.1	204.8	220.2	233.4	246.2	260.3	275.1
-80°	93.7	106.9	120.0	131.9	140.6	150.6	162.4	175.9	187.6	197.1	205.8
-82.5°	60.5	70.1	79.8	89.7	93.7	96.5	99.1	103.8	111.0	118.2	125.0
-85°	30.2	33.0	38.9	45.0	47.1	48.5	49.5	50.1	52.5	54.8	56.8
-87.5°	15.1	16.5	17.9	19.2	18.5	17.5	16.3	14.8	14.5	14.0	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



REPORT NUMBER: P645417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-727-U-LAM-VSR-XX

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°	16.4	9.7	5.7	6.6	5.9	3.9	5.0	5.9	6.0	5.4	4.8
57.5°	91.0	68.0	50.3	120.1	120.5	57.6	69.3	108.9	89.7	29.5	27.4
55°	253.2	302.8	398.5	378.5	384.7	442.5	483.1	427.7	419.3	446.8	516.1
52.5°	454.8	502.1	534.3	564.5	601.1	640.5	681.1	706.9	731.1	756.8	772.1
50°	580.8	647.5	693.3	676.4	771.3	810.1	770.7	805.9	848.9	860.6	866.2
47.5°	857.6	955.4	974.8	1037.8	1094.4	1093.2	1045.1	1047.8	1175.8	1288.6	1344.0
45°	1232.5	1235.8	1297.3	1408.5	1488.0	1463.0	1530.1	1682.6	1733.4	1782.5	1822.8
42.5°	1378.5	1439.0	1537.2	1635.5	1694.8	1746.2	1795.8	1851.9	1917.9	1971.3	2014.1
40°	1519.9	1568.7	1669.2	1748.4	1797.5	1845.5	1903.3	1965.4	2025.8	2072.8	2104.8
37.5°	1737.6	1775.4	1799.9	1873.4	1966.2	1923.4	2033.2	2112.0	2148.0	2195.7	2200.0
35°	2066.9	2041.7	2009.2	2301.9	2319.4	2220.5	2323.3	2445.3	2381.0	2515.0	2587.1
32.5°	2358.8	2355.1	2610.6	2764.4	2675.9	2748.2	2984.9	2974.4	3132.3	3205.5	3184.7
30°	2633.8	2727.7	2875.5	2990.0	3005.4	3119.3	3224.5	3316.6	3411.9	3497.3	3503.2
27.5°	2773.5	2895.9	2996.2	3062.6	3136.6	3232.4	3327.9	3431.6	3512.7	3566.2	3579.3
25°	2857.9	2983.0	3059.0	3130.4	3212.1	3294.8	3401.6	3514.6	3579.7	3612.8	3623.3
22.5°	2932.4	3044.8	3126.5	3184.4	3272.3	3361.3	3460.9	3556.5	3627.3	3641.7	3646.9
20°	3004.1	3112.1	3248.4	3333.7	3329.4	3429.7	3525.8	3601.8	3660.7	3660.4	3661.8
17.5°	3211.4	3249.9	3497.4	3685.3	3592.3	3543.2	3807.2	3812.2	3827.9	3796.7	3729.2
15°	3518.4	3588.6	3892.6	4096.3	4032.2	4028.8	4410.1	4315.5	4396.9	4375.6	4467.2
12.5°	3843.6	3926.7	4153.9	4353.9	4449.2	4472.6	4599.9	4719.3	4743.8	4734.1	4716.1
10°	4065.1	4183.6	4274.8	4396.2	4492.3	4590.3	4664.1	4749.8	4777.9	4761.7	4738.7
7.5°	4094.0	4211.0	4318.2	4424.7	4516.2	4595.2	4671.7	4741.5	4770.1	4760.7	4744.9
5°	4112.4	4218.3	4322.2	4430.3	4517.8	4591.0	4667.3	4737.9	4754.8	4743.5	4728.1
2.5°	4123.7	4221.8	4321.8	4429.5	4508.9	4578.7	4655.9	4731.3	4731.2	4726.2	4717.2
0°	4129.1	4227.5	4343.7	4441.1	4530.1	4596.0	4672.5	4745.8	4740.5	4726.9	4711.2
-2.5°	4140.9	4240.6	4359.2	4439.9	4540.3	4600.6	4679.6	4743.1	4740.6	4733.9	4726.1
-5°	4151.4	4263.5	4374.5	4459.3	4559.9	4638.9	4717.4	4767.0	4769.7	4760.4	4747.3
-7.5°	4157.8	4282.1	4387.9	4473.2	4570.7	4662.6	4742.2	4794.3	4795.4	4783.0	4767.4
-10°	4155.6	4286.9	4395.8	4483.9	4583.8	4674.5	4757.8	4823.8	4821.7	4809.9	4796.5
-12.5°	4147.8	4278.9	4390.8	4479.1	4592.6	4685.9	4779.6	4845.3	4848.8	4839.9	4825.5
-15°	4130.6	4265.9	4374.7	4471.2	4582.4	4691.5	4787.8	4860.2	4873.2	4865.9	4854.5
-17.5°	4096.5	4239.3	4354.7	4458.7	4565.3	4681.6	4791.1	4870.4	4888.0	4885.2	4875.7
-20°	4051.7	4199.1	4316.2	4425.2	4541.3	4661.1	4788.5	4860.9	4886.5	4888.1	4881.8

Classified

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

Scaled Data Report



REPORT NUMBER: P645417 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3C-727-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4001.4	4145.7	4270.0	4377.1	4503.0	4624.3	4739.6	4824.4	4867.5	4875.5	4876.1
-25°	3941.1	4089.4	4212.9	4326.9	4444.0	4569.3	4685.8	4780.5	4824.2	4845.1	4851.6
-27.5°	3855.9	4009.1	4130.7	4251.2	4370.3	4499.8	4622.2	4725.2	4760.7	4789.4	4800.9
-30°	3756.1	3907.6	4031.6	4141.8	4278.0	4410.0	4536.4	4626.2	4679.8	4712.6	4730.5
-32.5°	3641.3	3794.3	3924.4	4039.4	4169.0	4300.9	4419.9	4514.6	4588.4	4626.3	4645.5
-35°	3516.9	3673.1	3809.2	3930.4	4052.4	4178.2	4301.4	4400.5	4484.6	4517.2	4541.2
-37.5°	3366.8	3539.1	3678.7	3803.7	3919.5	4037.8	4166.1	4279.4	4361.2	4392.7	4418.1
-40°	3212.8	3379.4	3520.2	3653.5	3768.1	3897.2	4020.8	4139.6	4210.5	4247.3	4276.0
-42.5°	3050.3	3200.8	3334.7	3464.2	3591.8	3724.7	3848.2	3971.7	4033.0	4077.4	4112.5
-45°	2862.8	3002.8	3132.9	3254.1	3385.6	3516.3	3639.9	3749.0	3821.9	3879.7	3924.6
-47.5°	2612.7	2783.2	2913.9	3029.2	3159.6	3285.6	3405.4	3508.0	3588.0	3655.5	3707.7
-50°	2358.7	2522.4	2669.7	2799.3	2920.2	3036.8	3150.8	3251.1	3335.8	3409.1	3461.9
-52.5°	2108.6	2262.0	2408.2	2541.9	2658.2	2768.2	2872.6	2973.5	3062.8	3141.1	3192.2
-55°	1826.0	1984.8	2129.5	2254.2	2370.4	2479.1	2582.1	2677.9	2765.8	2845.5	2894.5
-57.5°	1560.9	1700.2	1834.8	1949.9	2059.6	2163.2	2260.8	2352.5	2437.1	2512.1	2559.3
-60°	1317.2	1418.8	1534.6	1640.9	1738.1	1826.3	1917.4	2002.8	2080.6	2146.5	2190.5
-62.5°	1101.8	1186.0	1269.6	1350.4	1429.2	1508.4	1584.7	1655.6	1720.6	1774.6	1813.2
-65°	909.9	977.5	1038.0	1095.3	1149.8	1212.3	1270.3	1324.9	1375.4	1416.8	1446.2
-67.5°	749.2	796.7	838.5	877.8	920.9	965.0	1006.4	1042.5	1073.4	1097.9	1117.3
-70°	604.1	639.1	670.7	702.0	733.4	762.1	789.5	816.1	841.3	861.8	877.2
-72.5°	473.1	497.0	518.5	542.6	565.3	587.0	606.0	621.3	633.2	644.8	654.8
-75°	360.7	378.6	402.9	423.3	440.2	455.1	468.9	481.1	491.8	501.3	509.7
-77.5°	290.1	305.4	320.8	335.7	350.1	360.9	370.8	380.8	390.6	399.0	406.4
-80°	215.0	226.4	238.3	250.3	262.2	268.2	272.9	277.3	281.1	286.2	290.9
-82.5°	131.5	137.9	144.5	151.2	157.9	159.6	160.2	160.0	159.2	157.3	154.6
-85°	58.5	58.9	58.7	58.0	56.9	54.6	51.7	48.4	44.8	44.2	43.5
-87.5°	12.9	12.6	12.3	11.9	11.4	11.4	11.3	11.2	11.1	11.5	11.9
-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: P645417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-727-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°	3.8	2.5	2.1	2.1	2.1	2.5	3.8	4.8	5.4	6.0	5.9
57.5°	23.1	17.3	14.7	13.6	14.7	17.3	23.1	27.4	29.5	89.7	108.9
55°	565.8	594.6	616.1	626.1	616.1	594.6	565.8	516.1	446.8	419.3	427.7
52.5°	785.6	798.1	805.3	805.1	805.3	798.1	785.6	772.1	756.8	731.1	706.9
50°	875.6	881.8	883.9	882.6	883.9	881.8	875.6	866.2	860.6	848.9	805.9
47.5°	1293.4	1181.5	1099.2	1079.4	1099.2	1181.5	1293.4	1344.0	1288.6	1175.8	1047.8
45°	1842.1	1884.5	1926.8	1940.0	1926.8	1884.5	1842.1	1822.8	1782.5	1733.4	1682.6
42.5°	2032.1	2045.9	2053.8	2054.1	2053.8	2045.9	2032.1	2014.1	1971.3	1917.9	1851.9
40°	2122.8	2135.8	2143.4	2144.1	2143.4	2135.8	2122.8	2104.8	2072.8	2025.8	1965.4
37.5°	2205.1	2216.2	2223.6	2231.0	2223.6	2216.2	2205.1	2200.0	2195.7	2148.0	2112.0
35°	2577.4	2493.1	2371.8	2390.2	2371.8	2493.1	2577.4	2587.1	2515.0	2381.0	2445.3
32.5°	3217.3	3252.7	3274.8	3312.5	3274.8	3252.7	3217.3	3184.7	3205.5	3132.3	2974.4
30°	3512.5	3524.2	3542.0	3560.6	3542.0	3524.2	3512.5	3503.2	3497.3	3411.9	3316.6
27.5°	3586.2	3598.3	3609.1	3617.2	3609.1	3598.3	3586.2	3579.3	3566.2	3512.7	3431.6
25°	3624.8	3632.3	3643.8	3653.8	3643.8	3632.3	3624.8	3623.3	3612.8	3579.7	3514.6
22.5°	3643.9	3644.7	3653.7	3666.4	3653.7	3644.7	3643.9	3646.9	3641.7	3627.3	3556.5
20°	3657.1	3650.0	3659.2	3667.4	3659.2	3650.0	3657.1	3661.8	3660.4	3660.7	3601.8
17.5°	3824.5	3728.9	3689.7	3690.4	3689.7	3728.9	3824.5	3729.2	3796.7	3827.9	3812.2
15°	4364.4	4400.2	4537.6	4611.8	4537.6	4400.2	4364.4	4467.2	4375.6	4396.9	4315.5
12.5°	4712.8	4700.1	4683.7	4706.0	4683.7	4700.1	4712.8	4716.1	4734.1	4743.8	4719.3
10°	4728.9	4727.5	4698.4	4730.1	4698.4	4727.5	4728.9	4738.7	4761.7	4777.9	4749.8
7.5°	4719.0	4719.9	4707.6	4738.4	4707.6	4719.9	4719.0	4744.9	4760.7	4770.1	4741.5
5°	4725.6	4704.3	4712.4	4730.1	4712.4	4704.3	4725.6	4728.1	4743.5	4754.8	4737.9
2.5°	4707.3	4705.1	4689.4	4701.8	4689.4	4705.1	4707.3	4717.2	4726.2	4731.2	4731.3
0°	4693.4	4681.9	4681.9	4692.4	4681.9	4681.9	4693.4	4711.2	4726.9	4740.5	4745.8
-2.5°	4718.2	4715.8	4714.2	4707.0	4714.2	4715.8	4718.2	4726.1	4733.9	4740.6	4743.1
-5°	4738.5	4732.3	4715.2	4738.4	4715.2	4732.3	4738.5	4747.3	4760.4	4769.7	4767.0
-7.5°	4760.4	4744.5	4728.2	4764.6	4728.2	4744.5	4760.4	4767.4	4783.0	4795.4	4794.3
-10°	4780.4	4757.5	4741.6	4777.2	4741.6	4757.5	4780.4	4796.5	4809.9	4821.7	4823.8
-12.5°	4806.9	4780.0	4769.4	4788.7	4769.4	4780.0	4806.9	4825.5	4839.9	4848.8	4845.3
-15°	4835.0	4816.4	4814.0	4825.3	4814.0	4816.4	4835.0	4854.5	4865.9	4873.2	4860.2
-17.5°	4859.8	4846.7	4853.2	4866.2	4853.2	4846.7	4859.8	4875.7	4885.2	4888.0	4870.4
-20°	4871.6	4864.3	4871.6	4903.8	4871.6	4864.3	4871.6	4881.8	4888.1	4886.5	4860.9



REPORT NUMBER: P645417 (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°	4870.6	4871.1	4883.9	4894.4	4883.9	4871.1	4870.6	4876.1	4875.5	4867.5	4824.4
-25°	4852.0	4861.8	4876.5	4897.6	4876.5	4861.8	4852.0	4851.6	4845.1	4824.2	4780.5
-27.5°	4807.2	4823.4	4838.8	4860.9	4838.8	4823.4	4807.2	4800.9	4789.4	4760.7	4725.2
-30°	4742.4	4761.7	4775.4	4799.2	4775.4	4761.7	4742.4	4730.5	4712.6	4679.8	4626.2
-32.5°	4663.5	4685.4	4701.6	4718.5	4701.6	4685.4	4663.5	4645.5	4626.3	4588.4	4514.6
-35°	4564.9	4588.5	4605.8	4621.2	4605.8	4588.5	4564.9	4541.2	4517.2	4484.6	4400.5
-37.5°	4446.5	4471.9	4491.5	4509.2	4491.5	4471.9	4446.5	4418.1	4392.7	4361.2	4279.4
-40°	4308.5	4334.6	4355.5	4375.1	4355.5	4334.6	4308.5	4276.0	4247.3	4210.5	4139.6
-42.5°	4147.1	4173.5	4195.1	4215.0	4195.1	4173.5	4147.1	4112.5	4077.4	4033.0	3971.7
-45°	3960.8	3987.9	4010.8	4031.8	4010.8	3987.9	3960.8	3924.6	3879.7	3821.9	3749.0
-47.5°	3746.2	3775.2	3794.7	3804.6	3794.7	3775.2	3746.2	3707.7	3655.5	3588.0	3508.0
-50°	3500.2	3529.2	3552.7	3570.1	3552.7	3529.2	3500.2	3461.9	3409.1	3335.8	3251.1
-52.5°	3229.5	3257.1	3277.3	3289.5	3277.3	3257.1	3229.5	3192.2	3141.1	3062.8	2973.5
-55°	2933.1	2961.9	2981.1	2990.0	2981.1	2961.9	2933.1	2894.5	2845.5	2765.8	2677.9
-57.5°	2596.8	2624.2	2644.6	2656.1	2644.6	2624.2	2596.8	2559.3	2512.1	2437.1	2352.5
-60°	2224.8	2249.3	2264.8	2270.8	2264.8	2249.3	2224.8	2190.5	2146.5	2080.6	2002.8
-62.5°	1844.3	1867.5	1882.0	1887.6	1882.0	1867.5	1844.3	1813.2	1774.6	1720.6	1655.6
-65°	1468.1	1482.7	1490.7	1491.9	1490.7	1482.7	1468.1	1446.2	1416.8	1375.4	1324.9
-67.5°	1132.6	1143.7	1150.4	1152.7	1150.4	1143.7	1132.6	1117.3	1097.9	1073.4	1042.5
-70°	888.7	896.4	900.6	901.4	900.6	896.4	888.7	877.2	861.8	841.3	816.1
-72.5°	662.6	668.0	666.1	661.7	666.1	668.0	662.6	654.8	644.8	633.2	621.3
-75°	516.9	523.0	520.4	516.1	520.4	523.0	516.9	509.7	501.3	491.8	481.1
-77.5°	413.0	418.4	415.7	411.4	415.7	418.4	413.0	406.4	399.0	390.6	380.8
-80°	294.9	298.1	300.4	301.5	300.4	298.1	294.9	290.9	286.2	281.1	277.3
-82.5°	150.9	146.5	143.7	140.3	143.7	146.5	150.9	154.6	157.3	159.2	160.0
-85°	42.7	41.7	42.3	42.9	42.3	41.7	42.7	43.5	44.2	44.8	48.4
-87.5°	12.2	12.6	12.6	12.6	12.6	12.6	12.2	11.9	11.5	11.1	11.2
-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):

	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	4.1
60°	5.0	3.9	5.9	6.6	5.7	9.7	16.4	14.8	4.4	23.7	27.4
57.5°	69.3	57.6	120.5	120.1	50.3	68.0	91.0	59.9	39.2	67.1	88.7
55°	483.1	442.5	384.7	378.5	398.5	302.8	253.2	243.6	190.7	124.0	147.2
52.5°	681.1	640.5	601.1	564.5	534.3	502.1	454.8	403.7	387.3	311.9	240.5
50°	770.7	810.1	771.3	676.4	693.3	647.5	580.8	526.4	537.6	491.4	396.2
47.5°	1045.1	1093.2	1094.4	1037.8	974.8	955.4	857.6	687.7	699.1	697.1	596.3
45°	1530.1	1463.0	1488.0	1408.5	1297.3	1235.8	1232.5	1050.8	882.5	855.2	845.4
42.5°	1795.8	1746.2	1694.8	1635.5	1537.2	1439.0	1378.5	1276.3	1141.0	1021.3	978.8
40°	1903.3	1845.5	1797.5	1748.4	1669.2	1568.7	1519.9	1385.7	1284.0	1180.4	1145.9
37.5°	2033.2	1923.4	1966.2	1873.4	1799.9	1775.4	1737.6	1597.9	1372.5	1353.6	1336.1
35°	2323.3	2220.5	2319.4	2301.9	2009.2	2041.7	2066.9	1895.3	1659.2	1531.3	1534.0
32.5°	2984.9	2748.2	2675.9	2764.4	2610.6	2355.1	2358.8	2306.6	1984.4	1798.2	1716.7
30°	3224.5	3119.3	3005.4	2990.0	2875.5	2727.7	2633.8	2508.2	2273.8	2061.3	1921.6
27.5°	3327.9	3232.4	3136.6	3062.6	2996.2	2895.9	2773.5	2625.9	2459.1	2268.7	2133.0
25°	3401.6	3294.8	3212.1	3130.4	3059.0	2983.0	2857.9	2714.2	2558.6	2405.1	2259.4
22.5°	3460.9	3361.3	3272.3	3184.4	3126.5	3044.8	2932.4	2784.0	2679.5	2581.9	2392.5
20°	3525.8	3429.7	3329.4	3333.7	3248.4	3112.1	3004.1	2930.2	2915.9	2806.1	2561.5
17.5°	3807.2	3543.2	3592.3	3685.3	3497.4	3249.9	3211.4	3215.5	3170.1	3068.1	2764.0
15°	4410.1	4028.8	4032.2	4096.3	3892.6	3588.6	3518.4	3509.8	3438.4	3325.4	2977.9
12.5°	4599.9	4472.6	4449.2	4353.9	4153.9	3926.7	3843.6	3798.5	3667.4	3449.0	3131.7
10°	4664.1	4590.3	4492.3	4396.2	4274.8	4183.6	4065.1	3901.3	3715.3	3504.6	3246.3
7.5°	4671.7	4595.2	4516.2	4424.7	4318.2	4211.0	4094.0	3931.2	3751.3	3544.6	3327.1
5°	4667.3	4591.0	4517.8	4430.3	4322.2	4218.3	4112.4	3951.3	3775.7	3570.8	3380.2
2.5°	4655.9	4578.7	4508.9	4429.5	4321.8	4221.8	4123.7	3972.9	3793.1	3592.4	3397.9
0°	4672.5	4596.0	4530.1	4441.1	4343.7	4227.5	4129.1	3995.1	3801.4	3606.7	3404.6
-2.5°	4679.6	4600.6	4540.3	4439.9	4359.2	4240.6	4140.9	4011.4	3817.3	3632.0	3420.8
-5°	4717.4	4638.9	4559.9	4459.3	4374.5	4263.5	4151.4	4018.1	3829.1	3645.7	3428.1
-7.5°	4742.2	4662.6	4570.7	4473.2	4387.9	4282.1	4157.8	4018.7	3840.0	3645.5	3431.6
-10°	4757.8	4674.5	4583.8	4483.9	4395.8	4286.9	4155.6	4015.2	3837.8	3636.9	3423.9
-12.5°	4779.6	4685.9	4592.6	4479.1	4390.8	4278.9	4147.8	4007.2	3821.4	3621.0	3404.3
-15°	4787.8	4691.5	4582.4	4471.2	4374.7	4265.9	4130.6	3983.4	3792.7	3596.4	3372.3
-17.5°	4791.1	4681.6	4565.3	4458.7	4354.7	4239.3	4096.5	3940.0	3755.9	3553.1	3330.1
-20°	4788.5	4661.1	4541.3	4425.2	4316.2	4199.1	4051.7	3896.7	3703.2	3497.0	3275.4



REPORT NUMBER: P645417 (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°	4739.6	4624.3	4503.0	4377.1	4270.0	4145.7	4001.4	3841.0	3634.8	3435.4	3205.8
-25°	4685.8	4569.3	4444.0	4326.9	4212.9	4089.4	3941.1	3759.3	3563.4	3355.9	3121.3
-27.5°	4622.2	4499.8	4370.3	4251.2	4130.7	4009.1	3855.9	3672.7	3484.2	3257.3	3029.5
-30°	4536.4	4410.0	4278.0	4141.8	4031.6	3907.6	3756.1	3578.2	3375.7	3151.7	2935.0
-32.5°	4419.9	4300.9	4169.0	4039.4	3924.4	3794.3	3641.3	3464.8	3252.2	3040.4	2814.8
-35°	4301.4	4178.2	4052.4	3930.4	3809.2	3673.1	3516.9	3324.7	3121.6	2911.7	2677.7
-37.5°	4166.1	4037.8	3919.5	3803.7	3678.7	3539.1	3366.8	3181.1	2983.0	2752.3	2529.6
-40°	4020.8	3897.2	3768.1	3653.5	3520.2	3379.4	3212.8	3032.3	2814.5	2586.5	2377.1
-42.5°	3848.2	3724.7	3591.8	3464.2	3334.7	3200.8	3050.3	2855.1	2639.3	2424.1	2206.7
-45°	3639.9	3516.3	3385.6	3254.1	3132.9	3002.8	2862.8	2654.6	2441.5	2236.4	2027.8
-47.5°	3405.4	3285.6	3159.6	3029.2	2913.9	2783.2	2612.7	2419.0	2230.4	2035.3	1821.7
-50°	3150.8	3036.8	2920.2	2799.3	2669.7	2522.4	2358.7	2189.8	2002.9	1802.7	1607.5
-52.5°	2872.6	2768.2	2658.2	2541.9	2408.2	2262.0	2108.6	1929.2	1742.8	1572.8	1395.4
-55°	2582.1	2479.1	2370.4	2254.2	2129.5	1984.8	1826.0	1662.8	1510.7	1353.5	1218.1
-57.5°	2260.8	2163.2	2059.6	1949.9	1834.8	1700.2	1560.9	1422.4	1301.9	1179.8	1056.9
-60°	1917.4	1826.3	1738.1	1640.9	1534.6	1418.8	1317.2	1215.0	1112.8	1015.3	916.3
-62.5°	1584.7	1508.4	1429.2	1350.4	1269.6	1186.0	1101.8	1022.9	942.3	859.7	786.9
-65°	1270.3	1212.3	1149.8	1095.3	1038.0	977.5	909.9	848.0	789.4	728.9	666.9
-67.5°	1006.4	965.0	920.9	877.8	838.5	796.7	749.2	699.2	652.7	607.9	562.3
-70°	789.5	762.1	733.4	702.0	670.7	639.1	604.1	567.3	530.0	496.4	464.3
-72.5°	606.0	587.0	565.3	542.6	518.5	497.0	473.1	448.3	423.0	397.5	373.3
-75°	468.9	455.1	440.2	423.3	402.9	378.6	360.7	348.6	333.3	314.8	294.6
-77.5°	370.8	360.9	350.1	335.7	320.8	305.4	290.1	275.1	260.3	246.2	233.4
-80°	272.9	268.2	262.2	250.3	238.3	226.4	215.0	205.8	197.1	187.6	175.9
-82.5°	160.2	159.6	157.9	151.2	144.5	137.9	131.5	125.0	118.2	111.0	103.8
-85°	51.7	54.6	56.9	58.0	58.7	58.9	58.5	56.8	54.8	52.5	50.1
-87.5°	11.3	11.4	11.4	11.9	12.3	12.6	12.9	13.5	14.0	14.5	14.8
-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: P645417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-727-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	2.4	2.3	1.7	2.0
65°	1.6	1.9	2.2	2.9	2.6	1.8	2.1	4.1	3.3	2.8	2.0
62.5°	3.4	1.9	6.6	8.8	5.0	3.9	3.1	9.1	5.7	3.9	2.8
60°	8.2	6.8	18.5	29.6	20.6	6.9	10.2	15.8	14.5	5.0	4.0
57.5°	76.8	26.4	38.3	55.3	54.3	29.5	21.5	28.7	24.7	14.2	5.6
55°	163.9	137.9	91.1	83.4	90.1	72.7	47.3	46.4	38.1	26.4	9.0
52.5°	224.8	234.6	204.2	142.7	124.3	118.4	92.4	67.4	59.8	39.6	22.9
50°	325.5	303.1	300.1	251.9	174.2	157.7	136.5	105.2	83.9	56.7	38.8
47.5°	459.8	403.9	374.3	352.6	278.0	201.1	179.0	143.9	110.5	81.7	55.3
45°	657.1	522.1	464.7	429.6	380.9	282.7	224.1	181.5	144.1	109.6	72.7
42.5°	855.2	675.0	568.0	511.3	460.7	375.0	272.3	224.8	176.7	138.1	94.7
40°	1030.1	832.7	676.6	603.7	539.0	464.1	350.2	271.2	208.8	167.4	119.7
37.5°	1240.7	1012.3	801.6	700.5	622.5	538.5	429.3	319.7	247.3	198.2	144.8
35°	1444.3	1244.8	941.4	817.5	715.3	614.9	505.5	376.9	294.5	229.4	169.8
32.5°	1663.0	1463.4	1152.6	948.1	811.5	692.9	576.7	446.5	342.1	261.0	194.8
30°	1835.2	1607.2	1338.0	1078.9	916.1	780.0	647.9	513.3	389.7	292.9	220.0
27.5°	1926.4	1731.8	1484.2	1224.6	1033.8	869.2	721.2	577.1	437.3	328.0	246.3
25°	2020.8	1819.5	1588.7	1351.9	1150.1	963.7	794.2	637.9	489.3	367.5	272.3
22.5°	2133.8	1894.0	1676.9	1452.9	1269.9	1059.5	870.7	699.6	541.2	406.3	297.9
20°	2247.1	1963.3	1763.9	1590.2	1387.6	1163.1	950.7	759.7	590.3	444.0	322.9
17.5°	2366.2	2089.1	1911.6	1724.3	1504.9	1263.5	1029.5	817.9	636.3	480.6	347.2
15°	2573.3	2277.4	2060.3	1854.7	1621.5	1360.1	1106.4	873.8	679.2	515.7	369.8
12.5°	2761.4	2452.6	2209.2	1980.9	1736.3	1452.2	1180.6	927.1	718.9	543.7	389.9
10°	2917.0	2615.2	2356.3	2101.9	1847.7	1539.1	1251.3	970.4	742.8	564.6	408.5
7.5°	3044.4	2765.5	2499.8	2217.1	1943.4	1596.0	1287.0	995.7	761.2	582.4	425.4
5°	3136.5	2865.7	2576.0	2257.3	1973.3	1619.3	1311.2	1016.2	776.1	597.2	440.6
2.5°	3163.1	2896.5	2604.7	2279.3	1993.5	1634.4	1328.5	1031.9	787.6	609.3	454.1
0°	3178.5	2916.8	2622.6	2292.8	2003.8	1641.6	1339.0	1042.7	795.7	618.7	465.9
-2.5°	3200.1	2934.3	2639.9	2327.6	2010.7	1663.6	1344.9	1049.8	806.0	622.1	472.8
-5°	3210.8	2941.1	2648.2	2350.9	2008.9	1676.6	1344.2	1052.0	812.6	623.3	477.8
-7.5°	3206.1	2938.7	2648.5	2358.2	1999.8	1679.7	1336.9	1049.7	815.4	622.4	480.9
-10°	3191.6	2926.8	2638.4	2339.3	1991.5	1667.8	1323.9	1043.0	813.8	619.8	482.1
-12.5°	3169.7	2904.6	2617.7	2312.1	1974.0	1643.3	1308.5	1031.6	807.2	615.5	481.3
-15°	3141.1	2872.2	2586.3	2277.5	1945.3	1610.8	1285.5	1015.0	794.4	610.6	478.5
-17.5°	3104.5	2829.9	2544.0	2236.4	1905.0	1570.4	1254.6	993.4	778.4	604.7	472.7
-20°	3039.2	2773.1	2490.3	2189.7	1852.6	1522.6	1215.6	966.7	759.3	596.2	464.5



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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°	2965.8	2702.9	2423.2	2126.7	1789.4	1467.7	1168.5	935.1	737.4	585.2	454.6
-25°	2887.5	2623.9	2345.3	2039.5	1719.6	1409.6	1121.2	898.4	712.6	571.6	443.1
-27.5°	2795.5	2534.3	2257.0	1943.5	1638.6	1342.2	1076.0	865.9	688.6	555.4	430.1
-30°	2692.2	2428.9	2146.6	1841.1	1549.8	1264.3	1025.2	831.3	668.4	537.7	415.5
-32.5°	2573.7	2312.8	2024.4	1736.2	1456.1	1181.6	969.2	794.2	645.0	518.9	402.1
-35°	2438.8	2177.8	1894.8	1623.6	1356.7	1114.8	914.4	754.8	618.4	498.6	387.9
-37.5°	2298.3	2032.9	1765.2	1506.1	1251.1	1042.5	865.2	716.0	588.8	476.8	372.2
-40°	2137.9	1883.8	1629.2	1385.0	1159.6	964.8	811.9	677.6	560.8	453.7	355.1
-42.5°	1972.7	1727.4	1487.4	1256.9	1069.4	901.6	756.0	636.3	531.2	431.3	336.5
-45°	1794.5	1562.3	1336.5	1148.8	977.5	834.6	707.2	593.5	499.7	408.3	317.3
-47.5°	1606.6	1388.2	1199.4	1036.3	899.5	767.3	655.2	556.5	466.6	383.8	298.1
-50°	1407.5	1226.1	1073.2	938.5	815.4	706.8	603.4	517.7	436.2	356.6	277.9
-52.5°	1231.1	1085.8	959.2	844.0	741.2	643.1	558.7	477.9	404.9	330.7	256.8
-55°	1080.0	960.9	854.0	758.1	667.6	588.4	512.4	442.6	372.7	304.7	235.5
-57.5°	949.5	845.4	759.9	676.6	601.8	534.2	470.1	406.5	341.9	277.7	218.6
-60°	824.1	746.4	670.3	603.3	540.0	482.7	430.3	370.4	310.8	250.8	199.9
-62.5°	715.8	649.4	591.9	533.5	481.0	434.3	390.2	335.1	278.8	225.9	179.5
-65°	614.3	563.3	514.3	467.7	424.2	384.5	348.9	298.9	246.7	199.5	158.4
-67.5°	517.8	479.5	441.0	401.9	367.6	335.5	305.0	259.9	213.2	171.7	137.4
-70°	431.7	398.9	368.8	339.8	311.9	285.2	256.5	218.4	178.2	146.8	115.9
-72.5°	350.4	326.4	301.4	277.5	257.0	233.5	207.1	177.4	149.2	121.4	94.0
-75°	275.2	259.4	241.7	222.8	203.6	182.7	165.2	144.4	119.8	95.5	75.7
-77.5°	220.2	204.8	187.1	172.0	159.1	144.8	128.9	110.8	91.3	74.3	58.5
-80°	162.4	150.6	140.6	131.9	120.0	106.9	93.7	80.6	66.4	53.2	41.0
-82.5°	99.1	96.5	93.7	89.7	79.8	70.1	60.5	51.2	41.1	31.8	26.4
-85°	49.5	48.5	47.1	45.0	38.9	33.0	30.2	27.4	24.0	20.8	17.6
-87.5°	16.3	17.5	18.5	19.2	17.9	16.5	15.1	13.7	12.0	10.4	8.8
-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°	3.9	4.2	2.7	2.5	2.2	1.3	0.0
57.5°	7.2	5.0	3.5	2.6	2.3	1.4	0.0
55°	11.4	5.9	4.4	2.7	2.5	1.5	0.0
52.5°	16.4	7.6	5.3	2.8	2.6	1.6	0.0
50°	22.1	13.0	6.3	3.0	2.7	1.7	0.0
47.5°	29.7	18.8	7.3	3.2	2.8	1.8	0.0
45°	44.8	25.0	8.3	4.0	2.9	1.9	0.0
42.5°	60.3	31.6	9.4	4.8	3.1	2.0	0.0
40°	76.1	38.5	12.7	5.9	3.2	2.1	0.0
37.5°	92.2	45.9	18.1	7.1	3.3	2.2	0.0
35°	108.6	57.0	23.7	8.5	3.5	2.3	0.0
32.5°	126.3	69.9	29.3	10.0	3.6	2.4	0.0
30°	146.6	82.7	35.0	11.7	3.7	2.5	0.0
27.5°	166.5	95.4	42.0	13.5	3.9	2.5	0.0
25°	185.9	107.8	49.1	15.3	4.0	2.6	0.0
22.5°	204.8	120.5	56.3	17.3	4.1	2.7	0.0
20°	223.0	134.2	63.3	19.3	4.3	2.8	0.0
17.5°	241.0	147.3	70.3	21.3	4.4	2.8	0.0
15°	258.3	160.0	77.1	23.3	4.5	2.9	0.0
12.5°	274.5	172.1	83.7	25.4	4.7	2.9	0.0
10°	289.6	183.5	89.9	27.4	4.8	3.0	0.0
7.5°	303.4	194.2	95.9	29.3	4.9	3.0	0.0
5°	315.9	204.0	101.4	31.2	5.0	3.0	0.0
2.5°	327.2	213.0	106.5	32.9	5.1	3.1	0.0
0°	337.1	220.9	111.0	34.5	5.2	3.1	0.0
-2.5°	342.0	225.9	115.2	36.8	6.0	3.3	0.0
-5°	345.6	229.9	118.8	38.8	6.8	3.5	0.0
-7.5°	348.0	232.8	121.7	40.7	7.6	3.6	0.0
-10°	349.0	234.6	124.0	42.3	8.4	3.8	0.0
-12.5°	348.8	235.4	125.4	43.6	9.1	3.9	0.0
-15°	347.5	235.0	126.2	44.7	9.8	4.0	0.0
-17.5°	344.9	233.6	126.1	45.5	10.4	4.2	0.0
-20°	341.0	231.2	125.1	46.0	11.0	4.3	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	335.3	227.6	123.4	46.1	11.5	4.3	0.0
-25°	328.3	222.2	120.7	45.9	12.0	4.4	0.0
-27.5°	319.9	215.3	117.2	45.3	12.4	4.5	0.0
-30°	310.3	207.6	112.8	44.4	12.7	4.5	0.0
-32.5°	299.3	198.9	107.7	43.1	12.9	4.5	0.0
-35°	287.5	189.3	102.0	41.4	13.1	4.5	0.0
-37.5°	274.8	179.7	95.7	39.4	13.2	4.5	0.0
-40°	261.1	170.9	88.8	36.9	13.2	4.4	0.0
-42.5°	246.4	161.6	83.7	34.3	13.1	4.4	0.0
-45°	230.8	151.6	80.1	31.6	13.0	4.3	0.0
-47.5°	214.3	141.1	75.9	28.5	12.8	4.2	0.0
-50°	200.6	130.0	71.1	27.5	12.4	4.1	0.0
-52.5°	186.8	118.4	65.7	27.0	12.0	3.9	0.0
-55°	172.5	109.7	59.7	26.1	11.6	3.8	0.0
-57.5°	157.7	100.7	53.1	25.0	11.0	3.6	0.0
-60°	142.6	91.0	46.2	23.6	10.4	3.4	0.0
-62.5°	128.9	80.5	42.9	21.9	9.7	3.2	0.0
-65°	114.1	69.3	39.2	20.0	9.0	2.9	0.0
-67.5°	98.4	59.9	35.0	17.8	8.3	2.7	0.0
-70°	81.9	52.4	30.5	15.5	7.5	2.4	0.0
-72.5°	69.3	44.4	25.6	13.6	6.7	2.1	0.0
-75°	56.6	35.8	20.3	11.8	5.8	1.9	0.0
-77.5°	43.4	26.9	16.8	10.0	4.9	1.6	0.0
-80°	29.6	20.5	13.6	8.1	3.9	1.3	0.0
-82.5°	21.8	15.5	10.3	6.1	3.0	0.9	0.0
-85°	14.6	10.4	6.9	4.1	2.0	0.6	0.0
-87.5°	7.3	5.2	3.5	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)