

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: P645459 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4B-740-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645459 (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-SA4B-740-U-LAM-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

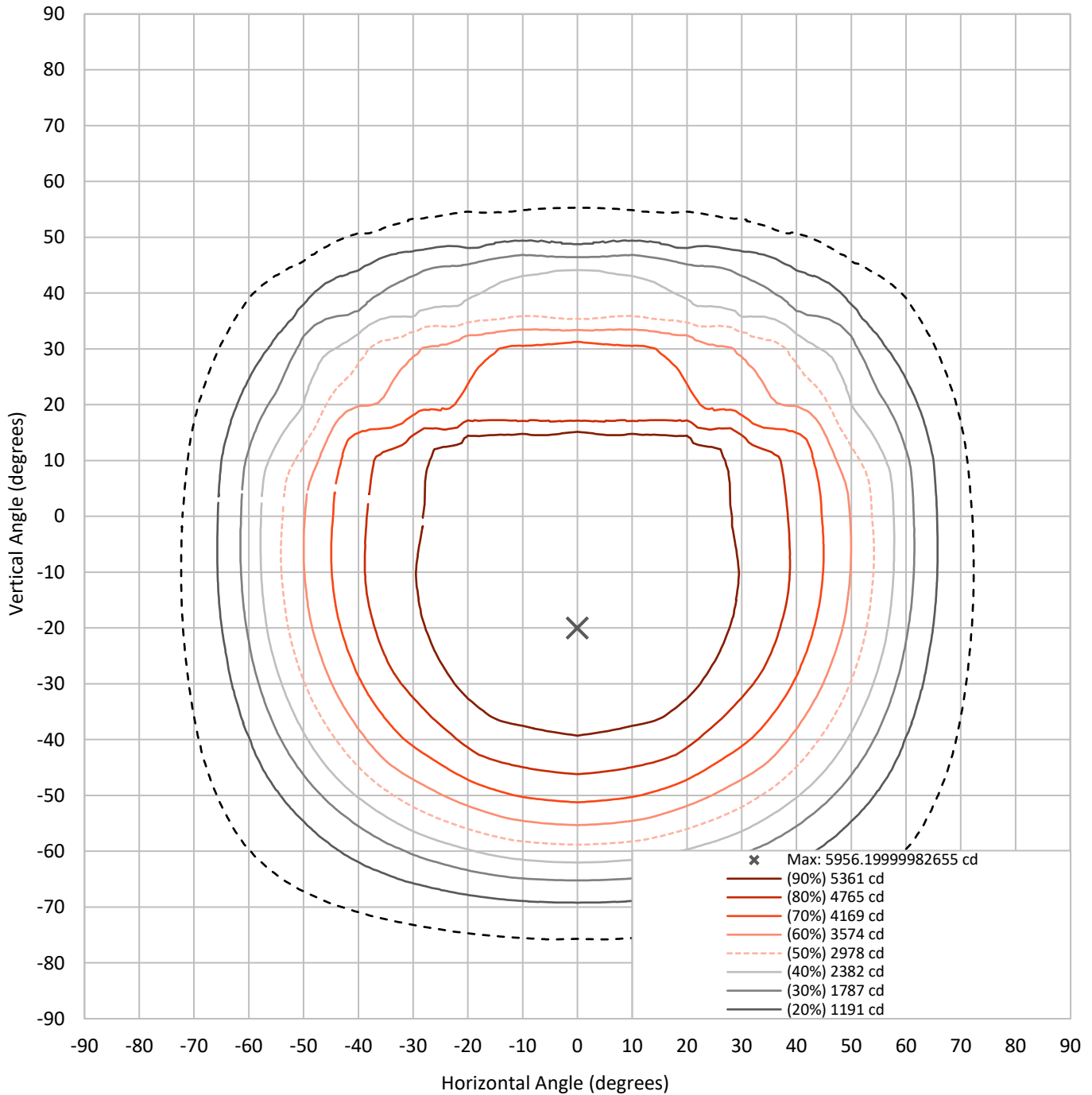
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	13966.2 lumens	Max Intensity:	5956.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	107.8 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	10917.9 lumens	Field Lumens:	13688.8 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	129.5		
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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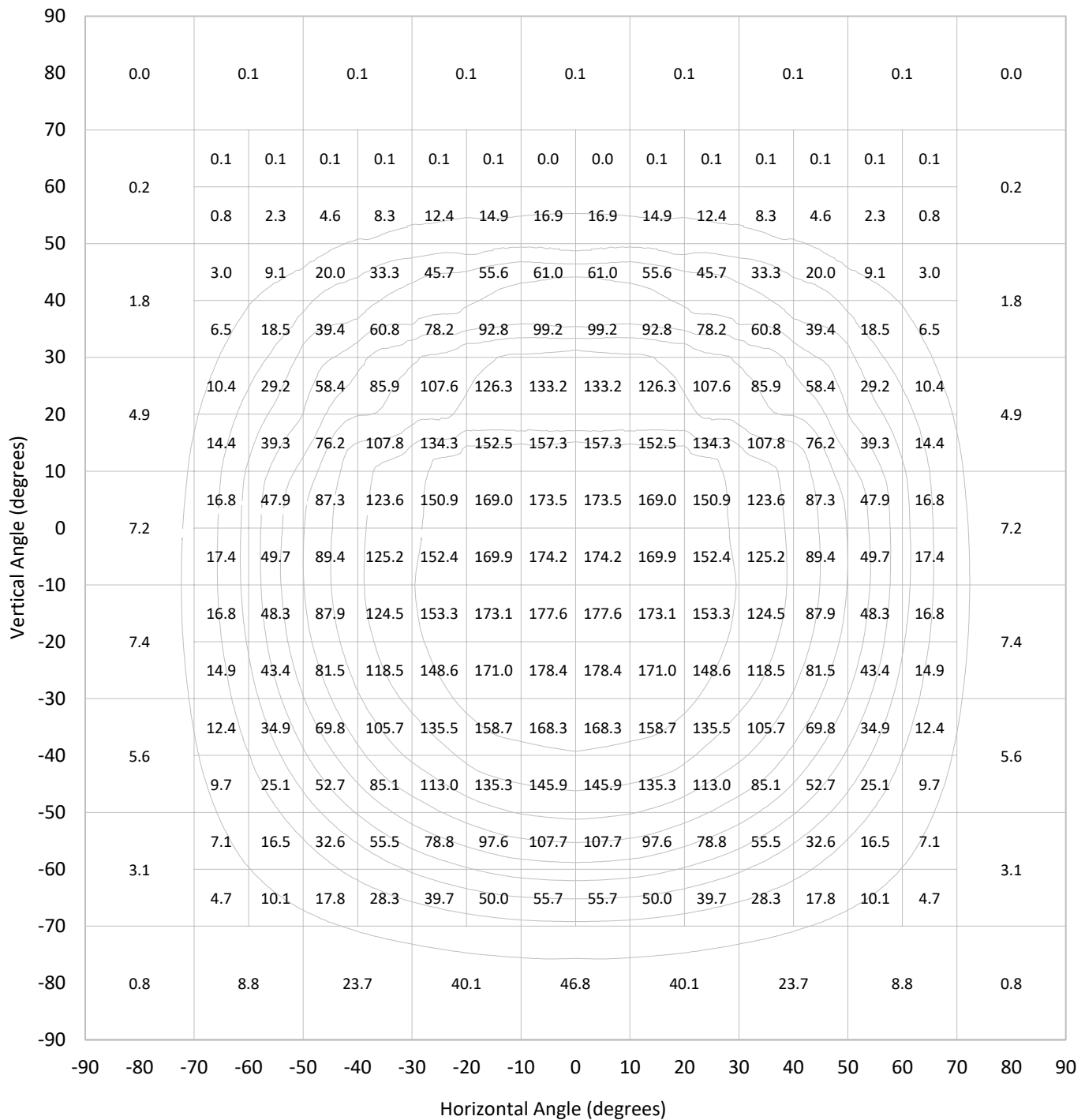
Iso-Candela Plot





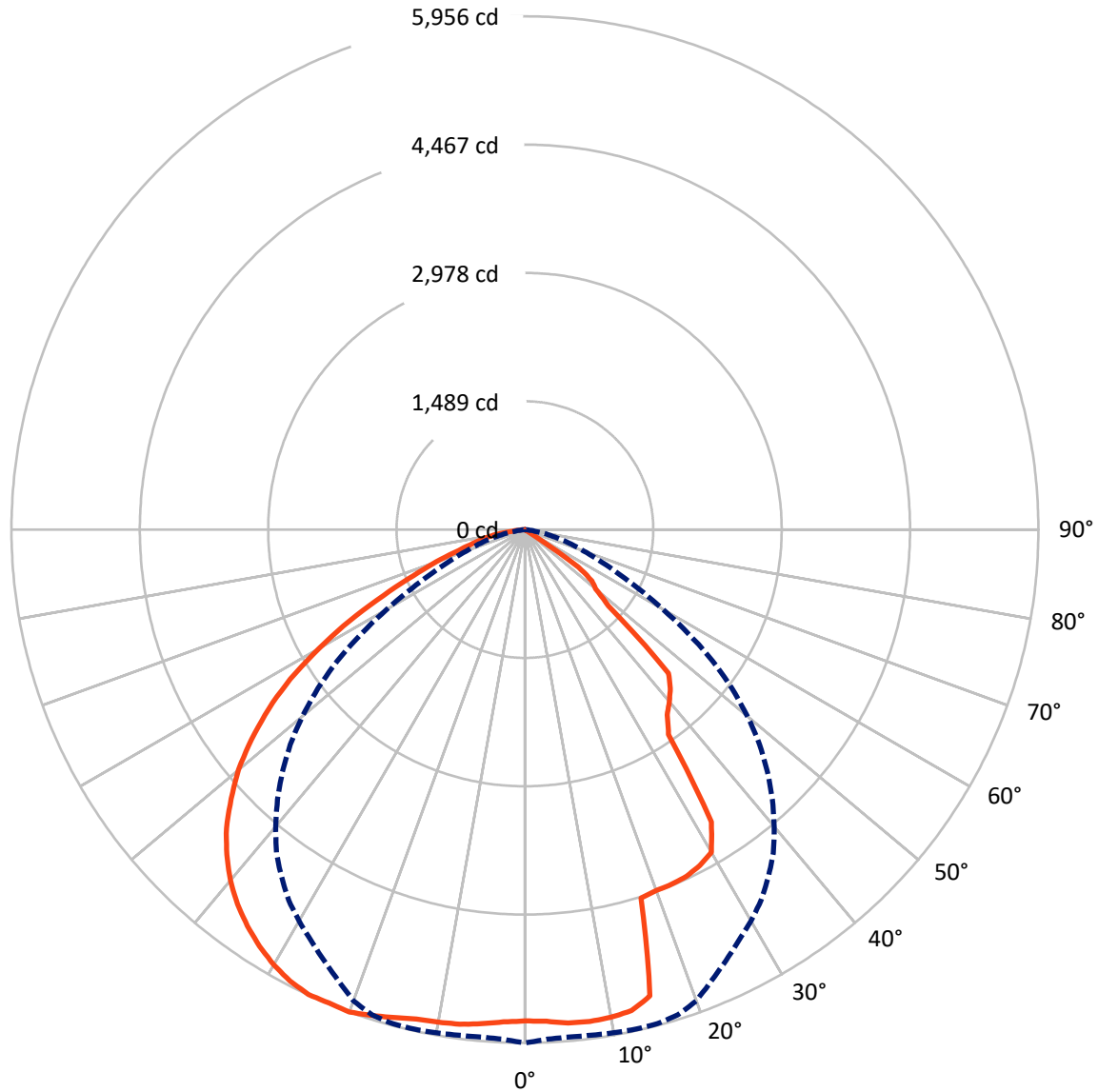
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Lumen Table



REPORT NUMBER: P645459 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot

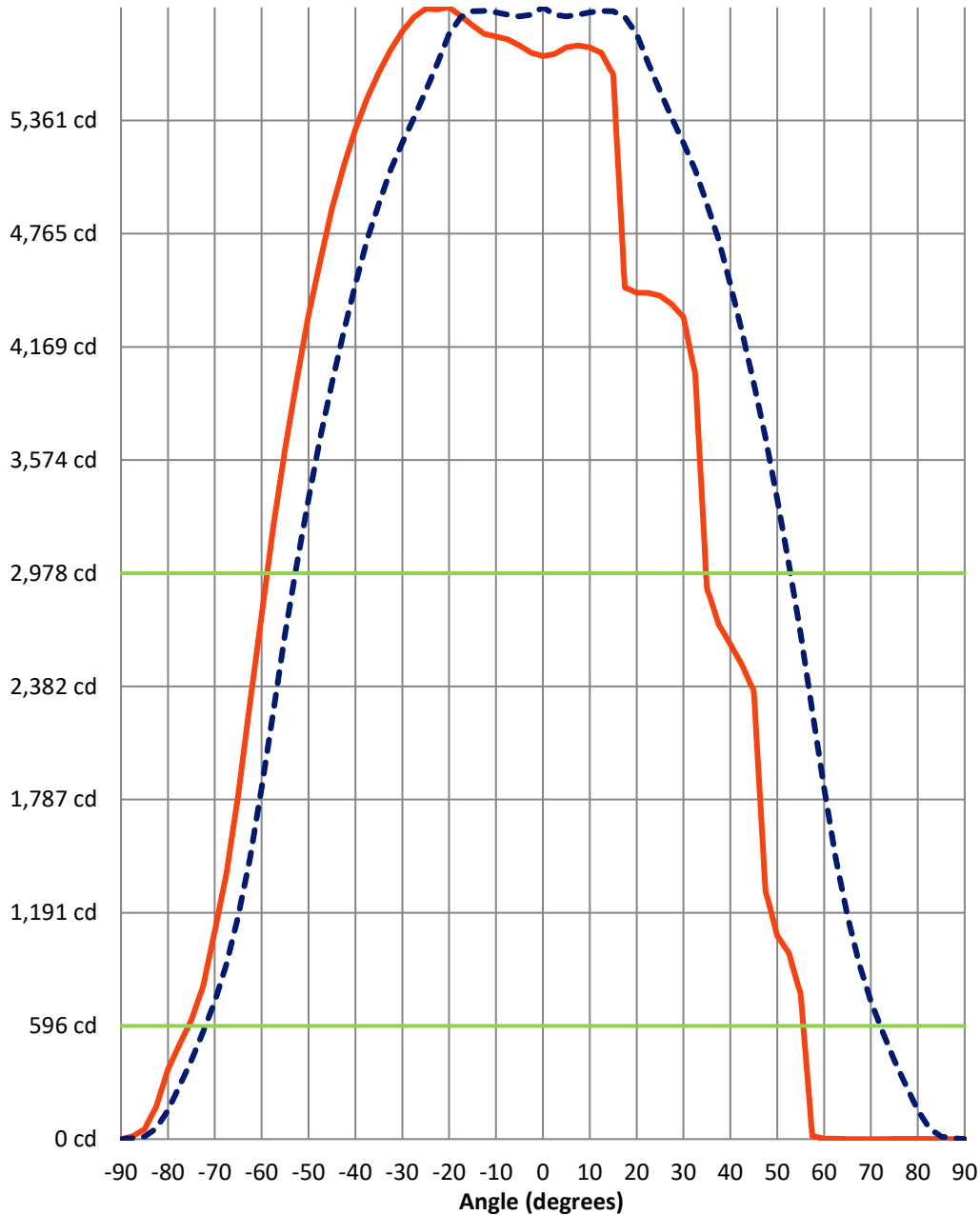


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 10917.9
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 13688.8
 Efficiency: 98.0%

Spill:
 Lumens: 277.4
 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	0.6	0.7	0.7	0.6	0.6
85°	0.0	0.3	0.4	0.7	0.9	1.1	1.3	1.3	1.3	1.2	1.1
82.5°	0.0	0.4	0.7	1.0	1.3	1.6	1.9	2.0	1.9	1.6	1.3
80°	0.0	0.5	0.9	1.3	1.7	2.2	2.5	2.2	1.9	1.6	1.3
77.5°	0.0	0.7	1.1	1.6	2.2	2.5	2.5	2.2	2.0	1.7	1.4
75°	0.0	0.8	1.3	1.9	2.5	2.6	2.5	2.3	2.0	1.7	1.4
72.5°	0.0	1.0	1.5	2.2	2.6	2.7	2.6	2.3	2.0	1.7	1.4
70°	0.0	1.1	1.8	2.5	2.8	2.8	2.6	2.3	2.0	1.8	2.0
67.5°	0.0	1.2	2.0	2.7	2.9	2.9	2.9	2.4	2.1	2.8	2.8
65°	0.0	1.4	2.2	2.8	3.0	3.3	3.4	2.4	3.4	3.9	4.9
62.5°	0.0	1.5	2.4	2.9	3.2	4.2	4.0	3.4	4.7	6.9	11.1
60°	0.0	1.6	2.7	3.0	3.3	5.1	4.7	4.8	6.1	17.6	19.2
57.5°	0.0	1.7	2.8	3.2	4.3	6.1	8.7	6.7	17.3	30.0	34.8
55°	0.0	1.9	3.0	3.3	5.4	7.2	13.8	10.9	32.1	46.3	56.4
52.5°	0.0	2.0	3.1	3.5	6.5	9.2	19.9	27.8	48.2	72.7	81.8
50°	0.0	2.1	3.3	3.6	7.6	15.8	26.8	47.1	68.9	101.9	127.8
47.5°	0.0	2.2	3.4	4.0	8.9	22.8	36.1	67.2	99.2	134.2	174.8
45°	0.0	2.4	3.6	4.9	10.1	30.3	54.4	88.3	133.2	175.0	220.5
42.5°	0.0	2.5	3.7	5.9	11.5	38.3	73.2	115.0	167.7	214.7	273.1
40°	0.0	2.6	3.9	7.1	15.4	46.8	92.4	145.4	203.3	253.6	329.4
37.5°	0.0	2.7	4.1	8.7	22.1	55.7	112.0	175.9	240.7	300.3	388.2
35°	0.0	2.8	4.2	10.4	28.8	69.2	131.9	206.3	278.6	357.7	457.7
32.5°	0.0	2.9	4.4	12.2	35.6	84.9	153.4	236.6	317.0	415.5	542.3
30°	0.0	3.0	4.6	14.3	42.5	100.5	178.1	267.3	355.8	473.3	623.4
27.5°	0.0	3.1	4.7	16.4	51.0	115.8	202.2	299.2	398.3	531.1	700.9
25°	0.0	3.2	4.9	18.7	59.7	131.0	225.8	330.7	446.4	594.3	774.8
22.5°	0.0	3.3	5.1	21.0	68.4	146.4	248.7	361.8	493.4	657.4	849.7
20°	0.0	3.4	5.2	23.5	77.0	162.9	270.8	392.1	539.3	716.9	922.7
17.5°	0.0	3.4	5.4	25.9	85.4	179.0	292.7	421.6	583.7	772.8	993.4
15°	0.0	3.5	5.6	28.4	93.7	194.3	313.8	449.1	626.3	824.9	1061.3
12.5°	0.0	3.6	5.7	30.9	101.6	209.0	333.5	473.6	660.4	873.2	1126.0
10°	0.0	3.6	5.9	33.3	109.2	222.9	351.7	496.1	685.8	902.1	1178.6
7.5°	0.0	3.7	6.0	35.7	116.4	235.8	368.5	516.6	707.4	924.5	1209.3
5°	0.0	3.7	6.2	37.9	123.2	247.8	383.7	535.2	725.4	942.6	1234.3
2.5°	0.0	3.8	6.3	40.1	129.3	258.6	397.4	551.6	740.0	956.5	1253.4
0°	0.0	3.8	6.4	42.0	134.8	268.3	409.5	565.9	751.5	966.4	1266.5
-2.5°	0.0	4.0	7.4	44.7	139.9	274.4	415.5	574.2	755.6	978.9	1275.1
-5°	0.0	4.2	8.4	47.2	144.3	279.2	419.9	580.3	757.0	987.0	1277.8
-7.5°	0.0	4.4	9.3	49.5	147.8	282.7	422.6	584.1	756.0	990.3	1274.9
-10°	0.0	4.6	10.2	51.4	150.5	284.9	423.9	585.5	752.7	988.4	1266.8
-12.5°	0.0	4.8	11.1	53.1	152.3	285.8	423.7	584.6	747.5	980.4	1252.9
-15°	0.0	4.9	11.9	54.4	153.2	285.4	422.0	581.1	741.6	964.8	1232.8
-17.5°	0.0	5.1	12.7	55.3	153.1	283.7	418.9	574.1	734.4	945.4	1206.5
-20°	0.0	5.2	13.4	55.9	152.0	280.7	414.1	564.1	724.2	922.2	1174.2

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.3	14.0	56.0	149.9	276.4	407.2	552.1	710.8	895.5	1135.7
-25°	0.0	5.4	14.6	55.8	146.7	269.8	398.7	538.2	694.3	865.5	1091.2
-27.5°	0.0	5.5	15.0	55.1	142.4	261.5	388.5	522.3	674.6	836.4	1051.8
-30°	0.0	5.5	15.4	54.0	137.0	252.1	376.8	504.7	653.1	811.8	1009.7
-32.5°	0.0	5.5	15.7	52.4	130.8	241.5	363.5	488.3	630.3	783.4	964.6
-35°	0.0	5.5	15.9	50.3	123.9	229.9	349.2	471.1	605.6	751.1	916.8
-37.5°	0.0	5.5	16.0	47.8	116.3	218.2	333.7	452.1	579.1	715.2	869.6
-40°	0.0	5.4	16.1	44.8	107.9	207.6	317.1	431.3	551.0	681.2	823.0
-42.5°	0.0	5.3	16.0	41.6	101.6	196.2	299.3	408.8	523.8	645.2	772.9
-45°	0.0	5.2	15.8	38.3	97.3	184.2	280.3	385.4	496.0	606.9	720.9
-47.5°	0.0	5.1	15.5	34.6	92.2	171.4	260.3	362.1	466.2	566.7	675.9
-50°	0.0	5.0	15.1	33.4	86.4	157.9	243.6	337.6	433.3	529.8	628.8
-52.5°	0.0	4.8	14.6	32.7	79.8	143.8	226.9	312.0	401.7	491.8	580.5
-55°	0.0	4.6	14.1	31.7	72.5	133.2	209.5	286.0	370.1	452.7	537.6
-57.5°	0.0	4.4	13.4	30.3	64.5	122.3	191.5	265.5	337.4	415.3	493.7
-60°	0.0	4.1	12.6	28.6	56.1	110.5	173.2	242.7	304.6	377.5	449.9
-62.5°	0.0	3.8	11.9	26.6	52.1	97.8	156.5	218.0	274.3	338.6	407.0
-65°	0.0	3.6	11.0	24.2	47.6	84.1	138.6	192.3	242.2	299.7	363.1
-67.5°	0.0	3.3	10.1	21.6	42.5	72.7	119.5	166.9	208.5	259.0	315.7
-70°	0.0	2.9	9.1	18.8	37.0	63.6	99.5	140.8	178.2	216.4	265.2
-72.5°	0.0	2.6	8.1	16.5	31.0	53.9	84.1	114.1	147.4	181.2	215.4
-75°	0.0	2.3	7.1	14.4	24.7	43.5	68.8	92.0	116.1	145.5	175.3
-77.5°	0.0	1.9	5.9	12.1	20.4	32.6	52.6	71.1	90.3	111.0	134.6
-80°	0.0	1.5	4.8	9.8	16.5	24.9	35.9	49.8	64.6	80.7	97.9
-82.5°	0.0	1.2	3.6	7.4	12.5	18.8	26.4	31.9	38.6	49.9	62.1
-85°	0.0	0.8	2.4	5.0	8.4	12.6	17.7	21.4	25.2	29.1	33.2
-87.5°	0.0	0.4	1.2	2.5	4.2	6.3	8.9	10.7	12.6	14.6	16.6
-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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 CATALOG NUMBER: GFLD-SA4B-740-U-LAM-VSR-XX

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°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.0
85°	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.5	1.6	1.6	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	2.0	2.0	1.8	1.5	1.3	1.4	1.5	1.4	1.3	1.3	1.3
67.5°	2.4	2.1	1.8	1.8	1.8	1.9	1.9	1.6	1.3	1.3	1.3
65°	2.5	2.2	3.2	3.6	2.6	2.2	1.9	1.6	1.7	1.8	1.8
62.5°	3.7	4.7	6.0	10.7	8.0	2.3	4.2	4.9	3.6	3.0	3.2
60°	12.4	8.4	25.0	35.9	22.4	8.2	10.0	33.2	28.8	5.3	18.0
57.5°	26.1	35.8	66.0	67.2	46.5	32.1	93.3	107.7	81.6	47.6	72.8
55°	57.5	88.3	109.4	101.3	110.6	167.5	199.1	178.8	150.6	231.6	295.9
52.5°	112.3	143.8	150.9	173.3	248.1	285.0	273.1	292.1	378.8	470.4	490.3
50°	165.8	191.6	211.6	306.0	364.5	368.2	395.3	481.2	596.9	653.0	639.4
47.5°	217.5	244.2	337.6	428.3	454.6	490.6	558.5	724.3	846.8	849.2	835.3
45°	272.2	343.4	462.7	521.8	564.5	634.1	798.1	1026.8	1038.7	1071.9	1276.3
42.5°	330.6	455.5	559.5	621.0	689.9	819.9	1038.8	1188.8	1240.4	1385.9	1550.2
40°	425.3	563.7	654.6	733.3	821.9	1011.4	1251.2	1391.7	1433.7	1559.6	1683.1
37.5°	521.4	654.1	756.0	850.9	973.7	1229.5	1506.9	1622.8	1644.1	1667.1	1940.8
35°	614.0	746.8	868.8	993.0	1143.5	1511.8	1754.3	1863.3	1859.9	2015.3	2302.0
32.5°	700.5	841.6	985.6	1151.6	1400.0	1777.4	2019.9	2085.2	2184.2	2410.3	2801.6
30°	786.9	947.3	1112.7	1310.4	1625.1	1952.2	2229.0	2334.0	2503.7	2761.8	3046.6
27.5°	875.9	1055.7	1255.7	1487.4	1802.7	2103.4	2339.9	2590.8	2755.6	2986.9	3189.4
25°	964.6	1170.5	1396.9	1642.1	1929.7	2210.0	2454.5	2744.3	2921.2	3107.7	3296.7
22.5°	1057.5	1286.8	1542.5	1764.7	2036.8	2300.5	2591.7	2906.0	3136.0	3254.5	3381.4
20°	1154.7	1412.7	1685.4	1931.5	2142.5	2384.7	2729.5	3111.2	3408.2	3541.6	3559.0
17.5°	1250.4	1534.6	1827.8	2094.3	2321.8	2537.4	2874.0	3357.2	3726.5	3850.5	3905.6
15°	1343.8	1651.9	1969.5	2252.8	2502.5	2766.1	3125.6	3616.9	4039.1	4176.3	4263.0
12.5°	1434.0	1763.8	2108.9	2406.0	2683.3	2979.0	3354.0	3803.8	4189.1	4454.5	4613.7
10°	1519.8	1869.4	2244.2	2553.0	2862.0	3176.5	3543.0	3943.0	4256.7	4512.6	4738.6
7.5°	1563.2	1938.4	2360.4	2692.9	3036.3	3358.9	3697.8	4041.1	4305.4	4556.4	4774.8
5°	1592.6	1966.8	2396.7	2741.7	3128.9	3480.7	3809.7	4105.6	4337.1	4585.9	4799.3
2.5°	1613.7	1985.2	2421.3	2768.4	3163.6	3518.1	3841.9	4127.2	4363.3	4607.1	4825.6
0°	1626.4	1993.9	2433.9	2784.8	3185.4	3542.7	3860.6	4135.3	4380.7	4617.2	4852.5
-2.5°	1633.6	2020.6	2442.2	2827.0	3206.4	3563.9	3886.8	4154.9	4411.4	4636.4	4872.3
-5°	1632.7	2036.5	2440.0	2855.4	3216.5	3572.2	3899.9	4163.8	4428.0	4650.9	4880.4
-7.5°	1623.8	2040.1	2429.0	2864.3	3216.9	3569.4	3894.1	4168.0	4427.8	4664.1	4881.1
-10°	1608.0	2025.7	2418.8	2841.3	3204.6	3554.9	3876.6	4158.7	4417.4	4661.4	4876.9
-12.5°	1589.4	1996.0	2397.6	2808.2	3179.5	3527.9	3849.9	4134.9	4398.1	4641.4	4867.1
-15°	1561.4	1956.4	2362.8	2766.2	3141.3	3488.5	3815.3	4096.0	4368.2	4606.6	4838.3
-17.5°	1523.8	1907.4	2313.8	2716.3	3089.9	3437.2	3770.8	4044.7	4315.6	4561.9	4785.5
-20°	1476.4	1849.4	2250.1	2659.7	3024.6	3368.3	3691.5	3978.3	4247.5	4498.0	4733.0



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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°	1419.2	1782.6	2173.4	2583.1	2943.2	3282.9	3602.2	3893.7	4172.7	4414.9	4665.3
-25°	1361.8	1712.1	2088.6	2477.2	2848.6	3186.9	3507.1	3791.1	4076.2	4328.2	4566.0
-27.5°	1306.9	1630.2	1990.3	2360.6	2741.4	3078.1	3395.4	3679.6	3956.3	4231.9	4460.9
-30°	1245.2	1535.5	1882.4	2236.2	2607.4	2950.2	3269.9	3564.8	3828.1	4100.2	4346.1
-32.5°	1177.2	1435.1	1768.5	2108.8	2458.8	2809.2	3126.0	3418.9	3692.8	3950.2	4208.3
-35°	1110.7	1354.0	1647.8	1972.1	2301.4	2645.2	2962.2	3252.3	3536.6	3791.5	4038.2
-37.5°	1050.8	1266.2	1519.5	1829.3	2144.0	2469.2	2791.6	3072.4	3343.0	3623.2	3863.7
-40°	986.1	1171.9	1408.4	1682.2	1978.9	2288.1	2596.8	2887.3	3141.6	3418.6	3683.2
-42.5°	918.2	1095.0	1298.8	1526.5	1806.6	2098.1	2396.1	2680.3	2944.4	3205.7	3467.8
-45°	858.9	1013.7	1187.3	1395.4	1623.4	1897.6	2179.7	2463.0	2716.4	2965.4	3224.3
-47.5°	795.7	932.0	1092.5	1258.7	1456.9	1686.1	1951.5	2212.7	2472.2	2709.1	2938.1
-50°	732.8	858.4	990.3	1139.9	1303.5	1489.3	1709.7	1952.5	2189.5	2432.8	2659.7
-52.5°	678.6	781.0	900.2	1025.1	1165.1	1318.9	1495.4	1694.9	1910.4	2116.8	2343.2
-55°	622.4	714.7	810.9	920.8	1037.3	1167.1	1311.8	1479.5	1643.9	1834.8	2019.6
-57.5°	571.1	648.9	730.9	821.7	922.9	1026.8	1153.3	1283.7	1433.0	1581.3	1727.7
-60°	522.7	586.3	655.9	732.8	814.1	906.5	1001.0	1113.0	1233.2	1351.6	1475.8
-62.5°	473.9	527.4	584.2	648.0	718.9	788.8	869.4	955.7	1044.1	1144.5	1242.4
-65°	423.8	467.1	515.2	568.1	624.7	684.1	746.1	810.0	885.3	958.8	1030.0
-67.5°	370.5	407.6	446.5	488.2	535.6	582.3	628.9	682.9	738.3	792.8	849.2
-70°	311.5	346.4	378.9	412.7	448.0	484.5	524.4	563.9	603.0	643.8	689.1
-72.5°	251.5	283.6	312.2	337.2	366.1	396.5	425.6	453.4	482.8	513.8	544.5
-75°	200.6	221.8	247.3	270.6	293.6	315.0	334.2	357.8	382.4	404.9	423.4
-77.5°	156.6	175.8	193.3	208.9	227.3	248.7	267.4	283.4	299.1	316.1	334.2
-80°	113.9	129.9	145.8	160.3	170.8	182.9	197.3	213.6	227.9	239.5	250.0
-82.5°	73.5	85.1	96.9	109.0	113.9	117.2	120.3	126.0	134.8	143.5	151.8
-85°	36.6	40.0	47.2	54.6	57.2	58.9	60.2	60.8	63.8	66.6	69.0
-87.5°	18.3	20.0	21.7	23.3	22.5	21.3	19.8	18.0	17.6	17.1	16.4
-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: P645459 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-740-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°	1.1	1.1	1.1	1.2	1.2	0.9	0.6	0.3	0.0	0.0	0.0
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	0.9	0.6
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
67.5°	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.1	0.8
65°	1.8	1.7	1.8	1.8	1.6	1.5	1.6	1.6	1.4	1.1	0.8
62.5°	3.2	3.6	2.8	2.8	2.7	2.6	2.5	2.4	2.2	2.1	2.2
60°	19.9	11.8	6.9	8.0	7.2	4.8	6.1	7.2	7.2	6.6	5.8
57.5°	110.5	82.5	61.1	145.9	146.3	69.9	84.1	132.3	109.0	35.8	33.3
55°	307.5	367.7	484.0	459.7	467.2	537.4	586.8	519.5	509.3	542.7	626.9
52.5°	552.4	609.9	649.0	685.6	730.1	778.0	827.2	858.6	887.9	919.2	937.8
50°	705.4	786.4	842.0	821.5	936.8	983.9	936.1	978.9	1031.0	1045.3	1052.0
47.5°	1041.6	1160.4	1183.9	1260.5	1329.2	1327.8	1269.4	1272.8	1428.1	1565.2	1632.5
45°	1496.9	1501.0	1575.7	1710.8	1807.4	1777.0	1858.5	2043.8	2105.4	2165.1	2213.9
42.5°	1674.3	1747.9	1867.0	1986.5	2058.5	2120.9	2181.3	2249.3	2329.4	2394.4	2446.3
40°	1846.1	1905.4	2027.4	2123.6	2183.2	2241.5	2311.8	2387.2	2460.5	2517.6	2556.5
37.5°	2110.5	2156.4	2186.1	2275.4	2388.2	2336.1	2469.6	2565.2	2608.9	2666.9	2672.1
35°	2510.5	2479.9	2440.3	2795.9	2817.1	2697.1	2821.8	2970.1	2892.0	3054.8	3142.3
32.5°	2865.1	2860.5	3170.8	3357.7	3250.1	3337.9	3625.5	3612.8	3804.4	3893.4	3868.1
30°	3199.1	3313.1	3492.6	3631.7	3650.4	3788.8	3916.5	4028.4	4144.1	4247.9	4255.0
27.5°	3368.7	3517.4	3639.2	3719.8	3809.6	3926.1	4042.1	4168.1	4266.5	4331.6	4347.4
25°	3471.3	3623.2	3715.4	3802.1	3901.4	4001.9	4131.6	4268.8	4347.9	4388.1	4400.9
22.5°	3561.7	3698.2	3797.4	3867.7	3974.5	4082.6	4203.6	4319.8	4405.7	4423.2	4429.6
20°	3648.8	3780.0	3945.6	4049.1	4044.0	4165.7	4282.3	4374.8	4446.4	4445.9	4447.7
17.5°	3900.6	3947.4	4248.0	4476.1	4363.2	4303.6	4624.2	4630.3	4649.4	4611.5	4529.5
15°	4273.5	4358.7	4728.0	4975.3	4897.4	4893.3	5356.5	5241.7	5340.5	5314.6	5425.9
12.5°	4668.4	4769.4	5045.3	5288.2	5403.9	5432.4	5587.1	5732.1	5761.9	5750.1	5728.2
10°	4937.5	5081.3	5192.1	5339.6	5456.3	5575.4	5665.1	5769.1	5803.2	5783.5	5755.6
7.5°	4972.6	5114.7	5244.8	5374.2	5485.3	5581.3	5674.3	5759.0	5793.7	5782.3	5763.2
5°	4994.9	5123.6	5249.7	5381.0	5487.3	5576.2	5668.9	5754.7	5775.2	5761.4	5742.8
2.5°	5008.6	5127.8	5249.3	5380.1	5476.6	5561.3	5655.0	5746.6	5746.5	5740.4	5729.5
0°	5015.2	5134.8	5275.9	5394.2	5502.3	5582.4	5675.2	5764.2	5757.9	5741.3	5722.2
-2.5°	5029.5	5150.6	5294.7	5392.7	5514.5	5587.9	5683.9	5761.0	5758.0	5749.9	5740.4
-5°	5042.2	5178.5	5313.2	5416.3	5538.5	5634.4	5729.7	5790.0	5793.3	5781.9	5766.1
-7.5°	5050.0	5201.0	5329.6	5433.1	5551.6	5663.2	5759.9	5823.1	5824.5	5809.5	5790.5
-10°	5047.5	5206.8	5339.2	5446.2	5567.5	5677.7	5778.8	5859.0	5856.4	5842.1	5825.8
-12.5°	5037.9	5197.1	5333.0	5440.3	5578.1	5691.5	5805.3	5885.1	5889.3	5878.6	5861.0
-15°	5017.0	5181.3	5313.5	5430.7	5565.7	5698.3	5815.2	5903.2	5919.0	5910.1	5896.3
-17.5°	4975.6	5149.0	5289.2	5415.5	5545.0	5686.4	5819.3	5915.6	5937.0	5933.5	5922.0
-20°	4921.2	5100.1	5242.5	5374.8	5515.8	5661.4	5816.1	5904.1	5935.2	5937.2	5929.4

Classified

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

Scaled Data Report



REPORT NUMBER: P645459 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4B-740-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°	4860.1	5035.3	5186.3	5316.4	5469.3	5616.7	5756.8	5859.8	5912.1	5921.8	5922.5
-25°	4786.8	4966.9	5116.9	5255.4	5397.7	5549.9	5691.4	5806.5	5859.5	5884.8	5892.7
-27.5°	4683.3	4869.5	5017.1	5163.5	5308.2	5465.5	5614.2	5739.3	5782.4	5817.2	5831.2
-30°	4562.2	4746.2	4896.7	5030.5	5196.1	5356.4	5510.0	5619.0	5684.1	5724.0	5745.7
-32.5°	4422.8	4608.6	4766.5	4906.3	5063.6	5223.9	5368.4	5483.4	5573.1	5619.1	5642.4
-35°	4271.6	4461.3	4626.7	4773.9	4922.0	5074.8	5224.5	5344.9	5447.1	5486.6	5515.8
-37.5°	4089.3	4298.6	4468.1	4620.0	4760.7	4904.3	5060.2	5197.8	5297.1	5335.4	5366.2
-40°	3902.3	4104.6	4275.6	4437.6	4576.8	4733.6	4883.7	5027.9	5114.0	5158.8	5193.6
-42.5°	3705.0	3887.7	4050.3	4207.7	4362.6	4524.0	4674.1	4823.9	4898.5	4952.3	4995.1
-45°	3477.2	3647.2	3805.2	3952.5	4112.2	4270.9	4421.0	4553.5	4642.1	4712.3	4766.8
-47.5°	3173.4	3380.5	3539.2	3679.3	3837.6	3990.8	4136.3	4260.8	4358.0	4440.1	4503.4
-50°	2864.9	3063.7	3242.7	3400.0	3546.9	3688.5	3827.0	3948.9	4051.8	4140.7	4204.9
-52.5°	2561.2	2747.4	2925.0	3087.4	3228.6	3362.3	3489.0	3611.6	3720.1	3815.2	3877.3
-55°	2217.9	2410.8	2586.5	2737.9	2879.0	3011.1	3136.3	3252.5	3359.3	3456.1	3515.7
-57.5°	1895.8	2065.1	2228.5	2368.4	2501.5	2627.4	2746.0	2857.3	2960.1	3051.2	3108.6
-60°	1599.8	1723.2	1863.9	1993.0	2111.1	2218.2	2328.8	2432.6	2527.0	2607.1	2660.6
-62.5°	1338.2	1440.4	1542.0	1640.2	1736.0	1832.2	1924.9	2010.9	2089.8	2155.4	2202.3
-65°	1105.1	1187.3	1260.7	1330.3	1396.6	1472.5	1543.0	1609.2	1670.6	1720.9	1756.5
-67.5°	910.0	967.7	1018.5	1066.2	1118.5	1172.1	1222.4	1266.2	1303.7	1333.5	1357.1
-70°	733.8	776.3	814.6	852.7	890.8	925.7	959.0	991.2	1021.8	1046.8	1065.5
-72.5°	574.7	603.7	629.8	659.1	686.6	713.0	736.1	754.7	769.1	783.1	795.4
-75°	438.1	459.9	489.3	514.2	534.7	552.9	569.5	584.4	597.4	608.9	619.1
-77.5°	352.4	370.9	389.6	407.7	425.3	438.3	450.4	462.5	474.4	484.7	493.7
-80°	261.2	275.0	289.4	303.9	318.4	325.6	331.4	336.7	341.4	347.6	353.3
-82.5°	159.7	167.5	175.6	183.7	191.8	193.8	194.5	194.3	193.3	191.1	187.7
-85°	71.1	71.5	71.3	70.5	69.1	66.3	62.8	58.8	54.4	53.7	52.9
-87.5°	15.7	15.3	14.9	14.4	13.9	13.8	13.8	13.7	13.5	14.0	14.4
-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: P645459 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-740-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	0.3
85°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	1.2	1.2
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	0.7	0.0	0.7	1.3	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	0.7	0.0	0.7	1.3	1.3	1.3	1.3	1.3	1.3
67.5°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	0.8	1.1	1.3	1.3
65°	0.4	0.1	0.0	0.0	0.0	0.1	0.4	0.8	1.1	1.4	1.6
62.5°	2.3	2.4	2.5	2.5	2.5	2.4	2.3	2.2	2.1	2.2	2.4
60°	4.6	3.0	2.5	2.5	2.5	3.0	4.6	5.8	6.6	7.2	7.2
57.5°	28.1	21.0	17.8	16.5	17.8	21.0	28.1	33.3	35.8	109.0	132.3
55°	687.2	722.2	748.3	760.4	748.3	722.2	687.2	626.9	542.7	509.3	519.5
52.5°	954.1	969.4	978.2	977.9	978.2	969.4	954.1	937.8	919.2	887.9	858.6
50°	1063.6	1071.0	1073.6	1072.0	1073.6	1071.0	1063.6	1052.0	1045.3	1031.0	978.9
47.5°	1571.0	1435.0	1335.1	1311.0	1335.1	1435.0	1571.0	1632.5	1565.2	1428.1	1272.8
45°	2237.4	2289.0	2340.3	2356.3	2340.3	2289.0	2237.4	2213.9	2165.1	2105.4	2043.8
42.5°	2468.2	2485.0	2494.5	2494.9	2494.5	2485.0	2468.2	2446.3	2394.4	2329.4	2249.3
40°	2578.3	2594.2	2603.4	2604.3	2603.4	2594.2	2578.3	2556.5	2517.6	2460.5	2387.2
37.5°	2678.4	2691.9	2700.8	2709.8	2700.8	2691.9	2678.4	2672.1	2666.9	2608.9	2565.2
35°	3130.5	3028.1	2880.8	2903.1	2880.8	3028.1	3130.5	3142.3	3054.8	2892.0	2970.1
32.5°	3907.7	3950.7	3977.6	4023.4	3977.6	3950.7	3907.7	3868.1	3893.4	3804.4	3612.8
30°	4266.3	4280.5	4302.1	4324.7	4302.1	4280.5	4266.3	4255.0	4247.9	4144.1	4028.4
27.5°	4355.8	4370.6	4383.7	4393.4	4383.7	4370.6	4355.8	4347.4	4331.6	4266.5	4168.1
25°	4402.7	4411.8	4425.7	4437.9	4425.7	4411.8	4402.7	4400.9	4388.1	4347.9	4268.8
22.5°	4425.9	4426.9	4437.8	4453.2	4437.8	4426.9	4425.9	4429.6	4423.2	4405.7	4319.8
20°	4441.9	4433.2	4444.5	4454.5	4444.5	4433.2	4441.9	4447.7	4445.9	4446.4	4374.8
17.5°	4645.2	4529.2	4481.5	4482.4	4481.5	4529.2	4645.2	4529.5	4611.5	4649.4	4630.3
15°	5301.0	5344.5	5511.3	5601.4	5511.3	5344.5	5301.0	5425.9	5314.6	5340.5	5241.7
12.5°	5724.2	5708.7	5688.9	5715.9	5688.9	5708.7	5724.2	5728.2	5750.1	5761.9	5732.1
10°	5743.8	5742.0	5706.7	5745.1	5706.7	5742.0	5743.8	5755.6	5783.5	5803.2	5769.1
7.5°	5731.7	5732.8	5717.8	5755.3	5717.8	5732.8	5731.7	5763.2	5782.3	5793.7	5759.0
5°	5739.7	5713.9	5723.7	5745.1	5723.7	5713.9	5739.7	5742.8	5761.4	5775.2	5754.7
2.5°	5717.5	5714.8	5695.8	5710.8	5695.8	5714.8	5717.5	5729.5	5740.4	5746.5	5746.6
0°	5700.6	5686.6	5686.6	5699.4	5686.6	5686.6	5700.6	5722.2	5741.3	5757.9	5764.2
-2.5°	5730.7	5727.8	5725.9	5717.2	5725.9	5727.8	5730.7	5740.4	5749.9	5758.0	5761.0
-5°	5755.4	5747.9	5727.0	5755.3	5727.0	5747.9	5755.4	5766.1	5781.9	5793.3	5790.0
-7.5°	5782.0	5762.7	5742.9	5787.1	5742.9	5762.7	5782.0	5790.5	5809.5	5824.5	5823.1
-10°	5806.3	5778.4	5759.1	5802.4	5759.1	5778.4	5806.3	5825.8	5842.1	5856.4	5859.0
-12.5°	5838.4	5805.8	5792.9	5816.3	5792.9	5805.8	5838.4	5861.0	5878.6	5889.3	5885.1
-15°	5872.6	5850.1	5847.1	5860.9	5847.1	5850.1	5872.6	5896.3	5910.1	5919.0	5903.2
-17.5°	5902.7	5886.9	5894.7	5910.4	5894.7	5886.9	5902.7	5922.0	5933.5	5937.0	5915.6
-20°	5917.1	5908.2	5917.0	5956.2	5917.0	5908.2	5917.1	5929.4	5937.2	5935.2	5904.1



REPORT NUMBER: P645459 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-740-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°	5915.9	5916.4	5932.0	5944.8	5932.0	5916.4	5915.9	5922.5	5921.8	5912.1	5859.8
-25°	5893.3	5905.2	5923.0	5948.6	5923.0	5905.2	5893.3	5892.7	5884.8	5859.5	5806.5
-27.5°	5838.8	5858.6	5877.2	5904.1	5877.2	5858.6	5838.8	5831.2	5817.2	5782.4	5739.3
-30°	5760.1	5783.6	5800.2	5829.1	5800.2	5783.6	5760.1	5745.7	5724.0	5684.1	5619.0
-32.5°	5664.3	5690.9	5710.6	5731.2	5710.6	5690.9	5664.3	5642.4	5619.1	5573.1	5483.4
-35°	5544.6	5573.3	5594.2	5612.9	5594.2	5573.3	5544.6	5515.8	5486.6	5447.1	5344.9
-37.5°	5400.7	5431.6	5455.4	5476.8	5455.4	5431.6	5400.7	5366.2	5335.4	5297.1	5197.8
-40°	5233.1	5264.8	5290.2	5314.1	5290.2	5264.8	5233.1	5193.6	5158.8	5114.0	5027.9
-42.5°	5037.1	5069.1	5095.4	5119.5	5095.4	5069.1	5037.1	4995.1	4952.3	4898.5	4823.9
-45°	4810.8	4843.7	4871.5	4897.0	4871.5	4843.7	4810.8	4766.8	4712.3	4642.1	4553.5
-47.5°	4550.2	4585.3	4609.1	4621.0	4609.1	4585.3	4550.2	4503.4	4440.1	4358.0	4260.8
-50°	4251.4	4286.6	4315.1	4336.2	4315.1	4286.6	4251.4	4204.9	4140.7	4051.8	3948.9
-52.5°	3922.6	3956.0	3980.6	3995.4	3980.6	3956.0	3922.6	3877.3	3815.2	3720.1	3611.6
-55°	3562.5	3597.6	3620.8	3631.7	3620.8	3597.6	3562.5	3515.7	3456.1	3359.3	3252.5
-57.5°	3154.1	3187.4	3212.2	3226.1	3212.2	3187.4	3154.1	3108.6	3051.2	2960.1	2857.3
-60°	2702.3	2732.1	2750.8	2758.1	2750.8	2732.1	2702.3	2660.6	2607.1	2527.0	2432.6
-62.5°	2240.1	2268.3	2285.9	2292.7	2285.9	2268.3	2240.1	2202.3	2155.4	2089.8	2010.9
-65°	1783.2	1800.8	1810.6	1812.0	1810.6	1800.8	1783.2	1756.5	1720.9	1670.6	1609.2
-67.5°	1375.6	1389.1	1397.3	1400.0	1397.3	1389.1	1375.6	1357.1	1333.5	1303.7	1266.2
-70°	1079.4	1088.7	1094.0	1094.9	1094.0	1088.7	1079.4	1065.5	1046.8	1021.8	991.2
-72.5°	804.8	811.5	809.1	803.7	809.1	811.5	804.8	795.4	783.1	769.1	754.7
-75°	627.8	635.1	632.1	626.9	632.1	635.1	627.8	619.1	608.9	597.4	584.4
-77.5°	501.6	508.2	504.9	499.7	504.9	508.2	501.6	493.7	484.7	474.4	462.5
-80°	358.2	362.1	364.9	366.2	364.9	362.1	358.2	353.3	347.6	341.4	336.7
-82.5°	183.3	178.0	174.5	170.4	174.5	178.0	183.3	187.7	191.1	193.3	194.3
-85°	51.8	50.6	51.4	52.1	51.4	50.6	51.8	52.9	53.7	54.4	58.8
-87.5°	14.8	15.2	15.3	15.3	15.3	15.2	14.8	14.4	14.0	13.5	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



REPORT NUMBER: P645459 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-740-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°	0.6	0.9	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9
85°	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4
67.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.6
65°	1.6	1.5	1.6	1.8	1.8	1.7	1.8	1.8	1.8	1.7	1.6
62.5°	2.5	2.6	2.7	2.8	2.8	3.6	3.2	3.2	3.0	3.6	4.9
60°	6.1	4.8	7.2	8.0	6.9	11.8	19.9	18.0	5.3	28.8	33.2
57.5°	84.1	69.9	146.3	145.9	61.1	82.5	110.5	72.8	47.6	81.6	107.7
55°	586.8	537.4	467.2	459.7	484.0	367.7	307.5	295.9	231.6	150.6	178.8
52.5°	827.2	778.0	730.1	685.6	649.0	609.9	552.4	490.3	470.4	378.8	292.1
50°	936.1	983.9	936.8	821.5	842.0	786.4	705.4	639.4	653.0	596.9	481.2
47.5°	1269.4	1327.8	1329.2	1260.5	1183.9	1160.4	1041.6	835.3	849.2	846.8	724.3
45°	1858.5	1777.0	1807.4	1710.8	1575.7	1501.0	1496.9	1276.3	1071.9	1038.7	1026.8
42.5°	2181.3	2120.9	2058.5	1986.5	1867.0	1747.9	1674.3	1550.2	1385.9	1240.4	1188.8
40°	2311.8	2241.5	2183.2	2123.6	2027.4	1905.4	1846.1	1683.1	1559.6	1433.7	1391.7
37.5°	2469.6	2336.1	2388.2	2275.4	2186.1	2156.4	2110.5	1940.8	1667.1	1644.1	1622.8
35°	2821.8	2697.1	2817.1	2795.9	2440.3	2479.9	2510.5	2302.0	2015.3	1859.9	1863.3
32.5°	3625.5	3337.9	3250.1	3357.7	3170.8	2860.5	2865.1	2801.6	2410.3	2184.2	2085.2
30°	3916.5	3788.8	3650.4	3631.7	3492.6	3313.1	3199.1	3046.6	2761.8	2503.7	2334.0
27.5°	4042.1	3926.1	3809.6	3719.8	3639.2	3517.4	3368.7	3189.4	2986.9	2755.6	2590.8
25°	4131.6	4001.9	3901.4	3802.1	3715.4	3623.2	3471.3	3296.7	3107.7	2921.2	2744.3
22.5°	4203.6	4082.6	3974.5	3867.7	3797.4	3698.2	3561.7	3381.4	3254.5	3136.0	2906.0
20°	4282.3	4165.7	4044.0	4049.1	3945.6	3780.0	3648.8	3559.0	3541.6	3408.2	3111.2
17.5°	4624.2	4303.6	4363.2	4476.1	4248.0	3947.4	3900.6	3905.6	3850.5	3726.5	3357.2
15°	5356.5	4893.3	4897.4	4975.3	4728.0	4358.7	4273.5	4263.0	4176.3	4039.1	3616.9
12.5°	5587.1	5432.4	5403.9	5288.2	5045.3	4769.4	4668.4	4613.7	4454.5	4189.1	3803.8
10°	5665.1	5575.4	5456.3	5339.6	5192.1	5081.3	4937.5	4738.6	4512.6	4256.7	3943.0
7.5°	5674.3	5581.3	5485.3	5374.2	5244.8	5114.7	4972.6	4774.8	4556.4	4305.4	4041.1
5°	5668.9	5576.2	5487.3	5381.0	5249.7	5123.6	4994.9	4799.3	4585.9	4337.1	4105.6
2.5°	5655.0	5561.3	5476.6	5380.1	5249.3	5127.8	5008.6	4825.6	4607.1	4363.3	4127.2
0°	5675.2	5582.4	5502.3	5394.2	5275.9	5134.8	5015.2	4852.5	4617.2	4380.7	4135.3
-2.5°	5683.9	5587.9	5514.5	5392.7	5294.7	5150.6	5029.5	4872.3	4636.4	4411.4	4154.9
-5°	5729.7	5634.4	5538.5	5416.3	5313.2	5178.5	5042.2	4880.4	4650.9	4428.0	4163.8
-7.5°	5759.9	5663.2	5551.6	5433.1	5329.6	5201.0	5050.0	4881.1	4664.1	4427.8	4168.0
-10°	5778.8	5677.7	5567.5	5446.2	5339.2	5206.8	5047.5	4876.9	4661.4	4417.4	4158.7
-12.5°	5805.3	5691.5	5578.1	5440.3	5333.0	5197.1	5037.9	4867.1	4641.4	4398.1	4134.9
-15°	5815.2	5698.3	5565.7	5430.7	5313.5	5181.3	5017.0	4838.3	4606.6	4368.2	4096.0
-17.5°	5819.3	5686.4	5545.0	5415.5	5289.2	5149.0	4975.6	4785.5	4561.9	4315.6	4044.7
-20°	5816.1	5661.4	5515.8	5374.8	5242.5	5100.1	4921.2	4733.0	4498.0	4247.5	3978.3

Classified

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

Scaled Data Report



REPORT NUMBER: P645459 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4B-740-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°	5756.8	5616.7	5469.3	5316.4	5186.3	5035.3	4860.1	4665.3	4414.9	4172.7	3893.7
-25°	5691.4	5549.9	5397.7	5255.4	5116.9	4966.9	4786.8	4566.0	4328.2	4076.2	3791.1
-27.5°	5614.2	5465.5	5308.2	5163.5	5017.1	4869.5	4683.3	4460.9	4231.9	3956.3	3679.6
-30°	5510.0	5356.4	5196.1	5030.5	4896.7	4746.2	4562.2	4346.1	4100.2	3828.1	3564.8
-32.5°	5368.4	5223.9	5063.6	4906.3	4766.5	4608.6	4422.8	4208.3	3950.2	3692.8	3418.9
-35°	5224.5	5074.8	4922.0	4773.9	4626.7	4461.3	4271.6	4038.2	3791.5	3536.6	3252.3
-37.5°	5060.2	4904.3	4760.7	4620.0	4468.1	4298.6	4089.3	3863.7	3623.2	3343.0	3072.4
-40°	4883.7	4733.6	4576.8	4437.6	4275.6	4104.6	3902.3	3683.2	3418.6	3141.6	2887.3
-42.5°	4674.1	4524.0	4362.6	4207.7	4050.3	3887.7	3705.0	3467.8	3205.7	2944.4	2680.3
-45°	4421.0	4270.9	4112.2	3952.5	3805.2	3647.2	3477.2	3224.3	2965.4	2716.4	2463.0
-47.5°	4136.3	3990.8	3837.6	3679.3	3539.2	3380.5	3173.4	2938.1	2709.1	2472.2	2212.7
-50°	3827.0	3688.5	3546.9	3400.0	3242.7	3063.7	2864.9	2659.7	2432.8	2189.5	1952.5
-52.5°	3489.0	3362.3	3228.6	3087.4	2925.0	2747.4	2561.2	2343.2	2116.8	1910.4	1694.9
-55°	3136.3	3011.1	2879.0	2737.9	2586.5	2410.8	2217.9	2019.6	1834.8	1643.9	1479.5
-57.5°	2746.0	2627.4	2501.5	2368.4	2228.5	2065.1	1895.8	1727.7	1581.3	1433.0	1283.7
-60°	2328.8	2218.2	2111.1	1993.0	1863.9	1723.2	1599.8	1475.8	1351.6	1233.2	1113.0
-62.5°	1924.9	1832.2	1736.0	1640.2	1542.0	1440.4	1338.2	1242.4	1144.5	1044.1	955.7
-65°	1543.0	1472.5	1396.6	1330.3	1260.7	1187.3	1105.1	1030.0	958.8	885.3	810.0
-67.5°	1222.4	1172.1	1118.5	1066.2	1018.5	967.7	910.0	849.2	792.8	738.3	682.9
-70°	959.0	925.7	890.8	852.7	814.6	776.3	733.8	689.1	643.8	603.0	563.9
-72.5°	736.1	713.0	686.6	659.1	629.8	603.7	574.7	544.5	513.8	482.8	453.4
-75°	569.5	552.9	534.7	514.2	489.3	459.9	438.1	423.4	404.9	382.4	357.8
-77.5°	450.4	438.3	425.3	407.7	389.6	370.9	352.4	334.2	316.1	299.1	283.4
-80°	331.4	325.6	318.4	303.9	289.4	275.0	261.2	250.0	239.5	227.9	213.6
-82.5°	194.5	193.8	191.8	183.7	175.6	167.5	159.7	151.8	143.5	134.8	126.0
-85°	62.8	66.3	69.1	70.5	71.3	71.5	71.1	69.0	66.6	63.8	60.8
-87.5°	13.8	13.8	13.9	14.4	14.9	15.3	15.7	16.4	17.1	17.6	18.0
-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: P645459 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-740-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°	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.7
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.1	1.2	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.9	2.0
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.9	2.2
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.7	2.0	2.2
75°	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.4	1.7	2.0	2.3
72.5°	1.3	1.3	1.3	1.4	1.6	1.6	1.5	1.4	1.7	2.0	2.3
70°	1.5	1.4	1.3	1.5	1.8	2.0	2.0	2.0	1.8	2.0	2.3
67.5°	1.9	1.9	1.8	1.8	1.8	2.1	2.4	2.8	2.8	2.1	2.4
65°	1.9	2.2	2.6	3.6	3.2	2.2	2.5	4.9	3.9	3.4	2.4
62.5°	4.2	2.3	8.0	10.7	6.0	4.7	3.7	11.1	6.9	4.7	3.4
60°	10.0	8.2	22.4	35.9	25.0	8.4	12.4	19.2	17.6	6.1	4.8
57.5°	93.3	32.1	46.5	67.2	66.0	35.8	26.1	34.8	30.0	17.3	6.7
55°	199.1	167.5	110.6	101.3	109.4	88.3	57.5	56.4	46.3	32.1	10.9
52.5°	273.1	285.0	248.1	173.3	150.9	143.8	112.3	81.8	72.7	48.2	27.8
50°	395.3	368.2	364.5	306.0	211.6	191.6	165.8	127.8	101.9	68.9	47.1
47.5°	558.5	490.6	454.6	428.3	337.6	244.2	217.5	174.8	134.2	99.2	67.2
45°	798.1	634.1	564.5	521.8	462.7	343.4	272.2	220.5	175.0	133.2	88.3
42.5°	1038.8	819.9	689.9	621.0	559.5	455.5	330.6	273.1	214.7	167.7	115.0
40°	1251.2	1011.4	821.9	733.3	654.6	563.7	425.3	329.4	253.6	203.3	145.4
37.5°	1506.9	1229.5	973.7	850.9	756.0	654.1	521.4	388.2	300.3	240.7	175.9
35°	1754.3	1511.8	1143.5	993.0	868.8	746.8	614.0	457.7	357.7	278.6	206.3
32.5°	2019.9	1777.4	1400.0	1151.6	985.6	841.6	700.5	542.3	415.5	317.0	236.6
30°	2229.0	1952.2	1625.1	1310.4	1112.7	947.3	786.9	623.4	473.3	355.8	267.3
27.5°	2339.9	2103.4	1802.7	1487.4	1255.7	1055.7	875.9	700.9	531.1	398.3	299.2
25°	2454.5	2210.0	1929.7	1642.1	1396.9	1170.5	964.6	774.8	594.3	446.4	330.7
22.5°	2591.7	2300.5	2036.8	1764.7	1542.5	1286.8	1057.5	849.7	657.4	493.4	361.8
20°	2729.5	2384.7	2142.5	1931.5	1685.4	1412.7	1154.7	922.7	716.9	539.3	392.1
17.5°	2874.0	2537.4	2321.8	2094.3	1827.8	1534.6	1250.4	993.4	772.8	583.7	421.6
15°	3125.6	2766.1	2502.5	2252.8	1969.5	1651.9	1343.8	1061.3	824.9	626.3	449.1
12.5°	3354.0	2979.0	2683.3	2406.0	2108.9	1763.8	1434.0	1126.0	873.2	660.4	473.6
10°	3543.0	3176.5	2862.0	2553.0	2244.2	1869.4	1519.8	1178.6	902.1	685.8	496.1
7.5°	3697.8	3358.9	3036.3	2692.9	2360.4	1938.4	1563.2	1209.3	924.5	707.4	516.6
5°	3809.7	3480.7	3128.9	2741.7	2396.7	1966.8	1592.6	1234.3	942.6	725.4	535.2
2.5°	3841.9	3518.1	3163.6	2768.4	2421.3	1985.2	1613.7	1253.4	956.5	740.0	551.6
0°	3860.6	3542.7	3185.4	2784.8	2433.9	1993.9	1626.4	1266.5	966.4	751.5	565.9
-2.5°	3886.8	3563.9	3206.4	2827.0	2442.2	2020.6	1633.6	1275.1	978.9	755.6	574.2
-5°	3899.9	3572.2	3216.5	2855.4	2440.0	2036.5	1632.7	1277.8	987.0	757.0	580.3
-7.5°	3894.1	3569.4	3216.9	2864.3	2429.0	2040.1	1623.8	1274.9	990.3	756.0	584.1
-10°	3876.6	3554.9	3204.6	2841.3	2418.8	2025.7	1608.0	1266.8	988.4	752.7	585.5
-12.5°	3849.9	3527.9	3179.5	2808.2	2397.6	1996.0	1589.4	1252.9	980.4	747.5	584.6
-15°	3815.3	3488.5	3141.3	2766.2	2362.8	1956.4	1561.4	1232.8	964.8	741.6	581.1
-17.5°	3770.8	3437.2	3089.9	2716.3	2313.8	1907.4	1523.8	1206.5	945.4	734.4	574.1
-20°	3691.5	3368.3	3024.6	2659.7	2250.1	1849.4	1476.4	1174.2	922.2	724.2	564.1



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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°	3602.2	3282.9	2943.2	2583.1	2173.4	1782.6	1419.2	1135.7	895.5	710.8	552.1
-25°	3507.1	3186.9	2848.6	2477.2	2088.6	1712.1	1361.8	1091.2	865.5	694.3	538.2
-27.5°	3395.4	3078.1	2741.4	2360.6	1990.3	1630.2	1306.9	1051.8	836.4	674.6	522.3
-30°	3269.9	2950.2	2607.4	2236.2	1882.4	1535.5	1245.2	1009.7	811.8	653.1	504.7
-32.5°	3126.0	2809.2	2458.8	2108.8	1768.5	1435.1	1177.2	964.6	783.4	630.3	488.3
-35°	2962.2	2645.2	2301.4	1972.1	1647.8	1354.0	1110.7	916.8	751.1	605.6	471.1
-37.5°	2791.6	2469.2	2144.0	1829.3	1519.5	1266.2	1050.8	869.6	715.2	579.1	452.1
-40°	2596.8	2288.1	1978.9	1682.2	1408.4	1171.9	986.1	823.0	681.2	551.0	431.3
-42.5°	2396.1	2098.1	1806.6	1526.5	1298.8	1095.0	918.2	772.9	645.2	523.8	408.8
-45°	2179.7	1897.6	1623.4	1395.4	1187.3	1013.7	858.9	720.9	606.9	496.0	385.4
-47.5°	1951.5	1686.1	1456.9	1258.7	1092.5	932.0	795.7	675.9	566.7	466.2	362.1
-50°	1709.7	1489.3	1303.5	1139.9	990.3	858.4	732.8	628.8	529.8	433.3	337.6
-52.5°	1495.4	1318.9	1165.1	1025.1	900.2	781.0	678.6	580.5	491.8	401.7	312.0
-55°	1311.8	1167.1	1037.3	920.8	810.9	714.7	622.4	537.6	452.7	370.1	286.0
-57.5°	1153.3	1026.8	922.9	821.7	730.9	648.9	571.1	493.7	415.3	337.4	265.5
-60°	1001.0	906.5	814.1	732.8	655.9	586.3	522.7	449.9	377.5	304.6	242.7
-62.5°	869.4	788.8	718.9	648.0	584.2	527.4	473.9	407.0	338.6	274.3	218.0
-65°	746.1	684.1	624.7	568.1	515.2	467.1	423.8	363.1	299.7	242.2	192.3
-67.5°	628.9	582.3	535.6	488.2	446.5	407.6	370.5	315.7	259.0	208.5	166.9
-70°	524.4	484.5	448.0	412.7	378.9	346.4	311.5	265.2	216.4	178.2	140.8
-72.5°	425.6	396.5	366.1	337.2	312.2	283.6	251.5	215.4	181.2	147.4	114.1
-75°	334.2	315.0	293.6	270.6	247.3	221.8	200.6	175.3	145.5	116.1	92.0
-77.5°	267.4	248.7	227.3	208.9	193.3	175.8	156.6	134.6	111.0	90.3	71.1
-80°	197.3	182.9	170.8	160.3	145.8	129.9	113.9	97.9	80.7	64.6	49.8
-82.5°	120.3	117.2	113.9	109.0	96.9	85.1	73.5	62.1	49.9	38.6	31.9
-85°	60.2	58.9	57.2	54.6	47.2	40.0	36.6	33.2	29.1	25.2	21.4
-87.5°	19.8	21.3	22.5	23.3	21.7	20.0	18.3	16.6	14.6	12.6	10.7
-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°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
85°	1.3	1.1	0.9	0.7	0.4	0.3	0.0
82.5°	1.9	1.6	1.3	1.0	0.7	0.4	0.0
80°	2.5	2.2	1.7	1.3	0.9	0.5	0.0
77.5°	2.5	2.5	2.2	1.6	1.1	0.7	0.0
75°	2.5	2.6	2.5	1.9	1.3	0.8	0.0
72.5°	2.6	2.7	2.6	2.2	1.5	1.0	0.0
70°	2.6	2.8	2.8	2.5	1.8	1.1	0.0
67.5°	2.9	2.9	2.9	2.7	2.0	1.2	0.0
65°	3.4	3.3	3.0	2.8	2.2	1.4	0.0
62.5°	4.0	4.2	3.2	2.9	2.4	1.5	0.0
60°	4.7	5.1	3.3	3.0	2.7	1.6	0.0
57.5°	8.7	6.1	4.3	3.2	2.8	1.7	0.0
55°	13.8	7.2	5.4	3.3	3.0	1.9	0.0
52.5°	19.9	9.2	6.5	3.5	3.1	2.0	0.0
50°	26.8	15.8	7.6	3.6	3.3	2.1	0.0
47.5°	36.1	22.8	8.9	4.0	3.4	2.2	0.0
45°	54.4	30.3	10.1	4.9	3.6	2.4	0.0
42.5°	73.2	38.3	11.5	5.9	3.7	2.5	0.0
40°	92.4	46.8	15.4	7.1	3.9	2.6	0.0
37.5°	112.0	55.7	22.1	8.7	4.1	2.7	0.0
35°	131.9	69.2	28.8	10.4	4.2	2.8	0.0
32.5°	153.4	84.9	35.6	12.2	4.4	2.9	0.0
30°	178.1	100.5	42.5	14.3	4.6	3.0	0.0
27.5°	202.2	115.8	51.0	16.4	4.7	3.1	0.0
25°	225.8	131.0	59.7	18.7	4.9	3.2	0.0
22.5°	248.7	146.4	68.4	21.0	5.1	3.3	0.0
20°	270.8	162.9	77.0	23.5	5.2	3.4	0.0
17.5°	292.7	179.0	85.4	25.9	5.4	3.4	0.0
15°	313.8	194.3	93.7	28.4	5.6	3.5	0.0
12.5°	333.5	209.0	101.6	30.9	5.7	3.6	0.0
10°	351.7	222.9	109.2	33.3	5.9	3.6	0.0
7.5°	368.5	235.8	116.4	35.7	6.0	3.7	0.0
5°	383.7	247.8	123.2	37.9	6.2	3.7	0.0
2.5°	397.4	258.6	129.3	40.1	6.3	3.8	0.0
0°	409.5	268.3	134.8	42.0	6.4	3.8	0.0
-2.5°	415.5	274.4	139.9	44.7	7.4	4.0	0.0
-5°	419.9	279.2	144.3	47.2	8.4	4.2	0.0
-7.5°	422.6	282.7	147.8	49.5	9.3	4.4	0.0
-10°	423.9	284.9	150.5	51.4	10.2	4.6	0.0
-12.5°	423.7	285.8	152.3	53.1	11.1	4.8	0.0
-15°	422.0	285.4	153.2	54.4	11.9	4.9	0.0
-17.5°	418.9	283.7	153.1	55.3	12.7	5.1	0.0
-20°	414.1	280.7	152.0	55.9	13.4	5.2	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	407.2	276.4	149.9	56.0	14.0	5.3	0.0
-25°	398.7	269.8	146.7	55.8	14.6	5.4	0.0
-27.5°	388.5	261.5	142.4	55.1	15.0	5.5	0.0
-30°	376.8	252.1	137.0	54.0	15.4	5.5	0.0
-32.5°	363.5	241.5	130.8	52.4	15.7	5.5	0.0
-35°	349.2	229.9	123.9	50.3	15.9	5.5	0.0
-37.5°	333.7	218.2	116.3	47.8	16.0	5.5	0.0
-40°	317.1	207.6	107.9	44.8	16.1	5.4	0.0
-42.5°	299.3	196.2	101.6	41.6	16.0	5.3	0.0
-45°	280.3	184.2	97.3	38.3	15.8	5.2	0.0
-47.5°	260.3	171.4	92.2	34.6	15.5	5.1	0.0
-50°	243.6	157.9	86.4	33.4	15.1	5.0	0.0
-52.5°	226.9	143.8	79.8	32.7	14.6	4.8	0.0
-55°	209.5	133.2	72.5	31.7	14.1	4.6	0.0
-57.5°	191.5	122.3	64.5	30.3	13.4	4.4	0.0
-60°	173.2	110.5	56.1	28.6	12.6	4.1	0.0
-62.5°	156.5	97.8	52.1	26.6	11.9	3.8	0.0
-65°	138.6	84.1	47.6	24.2	11.0	3.6	0.0
-67.5°	119.5	72.7	42.5	21.6	10.1	3.3	0.0
-70°	99.5	63.6	37.0	18.8	9.1	2.9	0.0
-72.5°	84.1	53.9	31.0	16.5	8.1	2.6	0.0
-75°	68.8	43.5	24.7	14.4	7.1	2.3	0.0
-77.5°	52.6	32.6	20.4	12.1	5.9	1.9	0.0
-80°	35.9	24.9	16.5	9.8	4.8	1.5	0.0
-82.5°	26.4	18.8	12.5	7.4	3.6	1.2	0.0
-85°	17.7	12.6	8.4	5.0	2.4	0.8	0.0
-87.5°	8.9	6.3	4.2	2.5	1.2	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)