

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: P645497 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4E-750-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645497 (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-SA4E-750-U-LAM-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

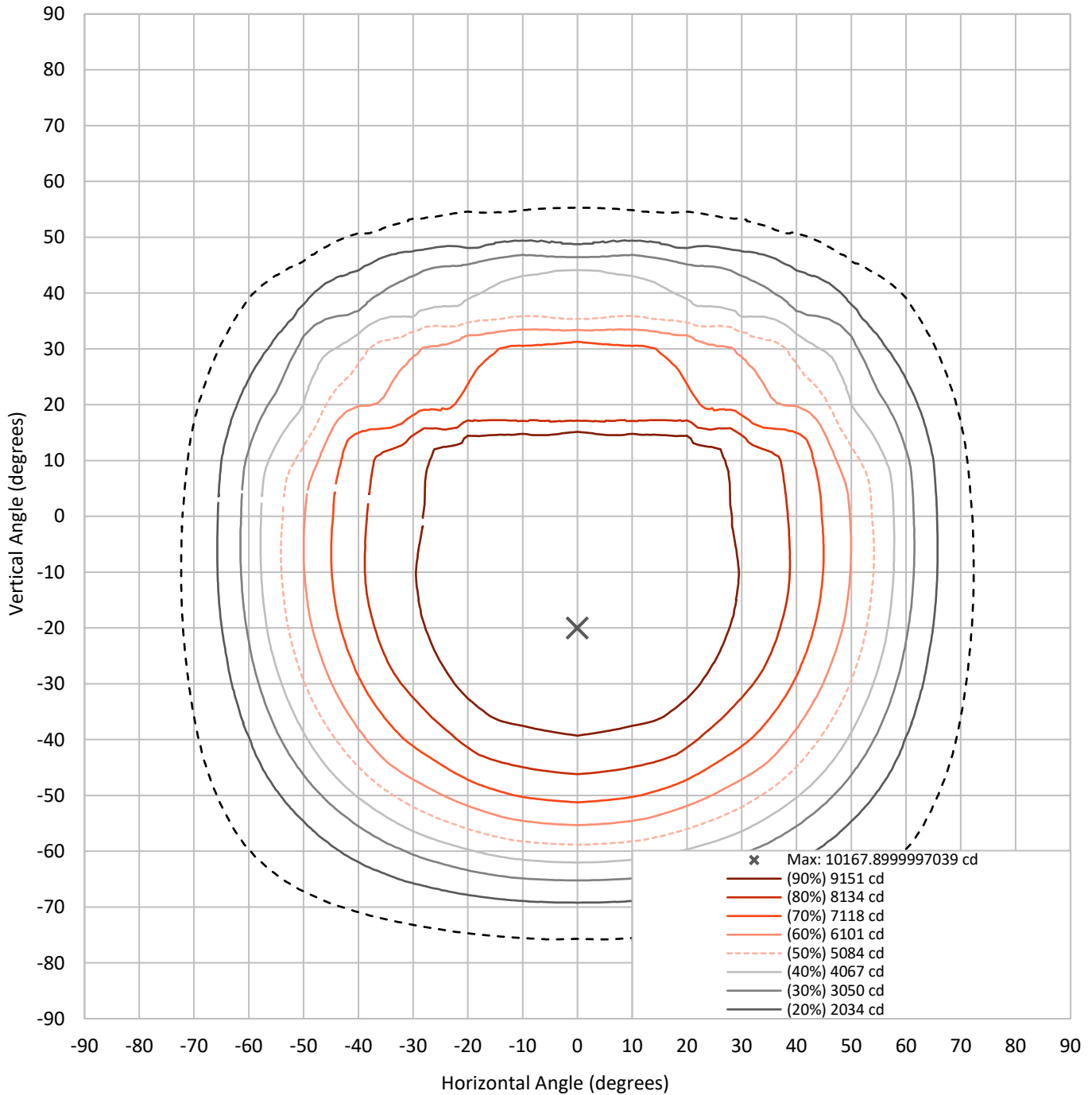
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	23841.7 lumens	Max Intensity:	10167.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	93.2 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:	18638 lumens	Field Lumens:	23368.2 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	255.9		
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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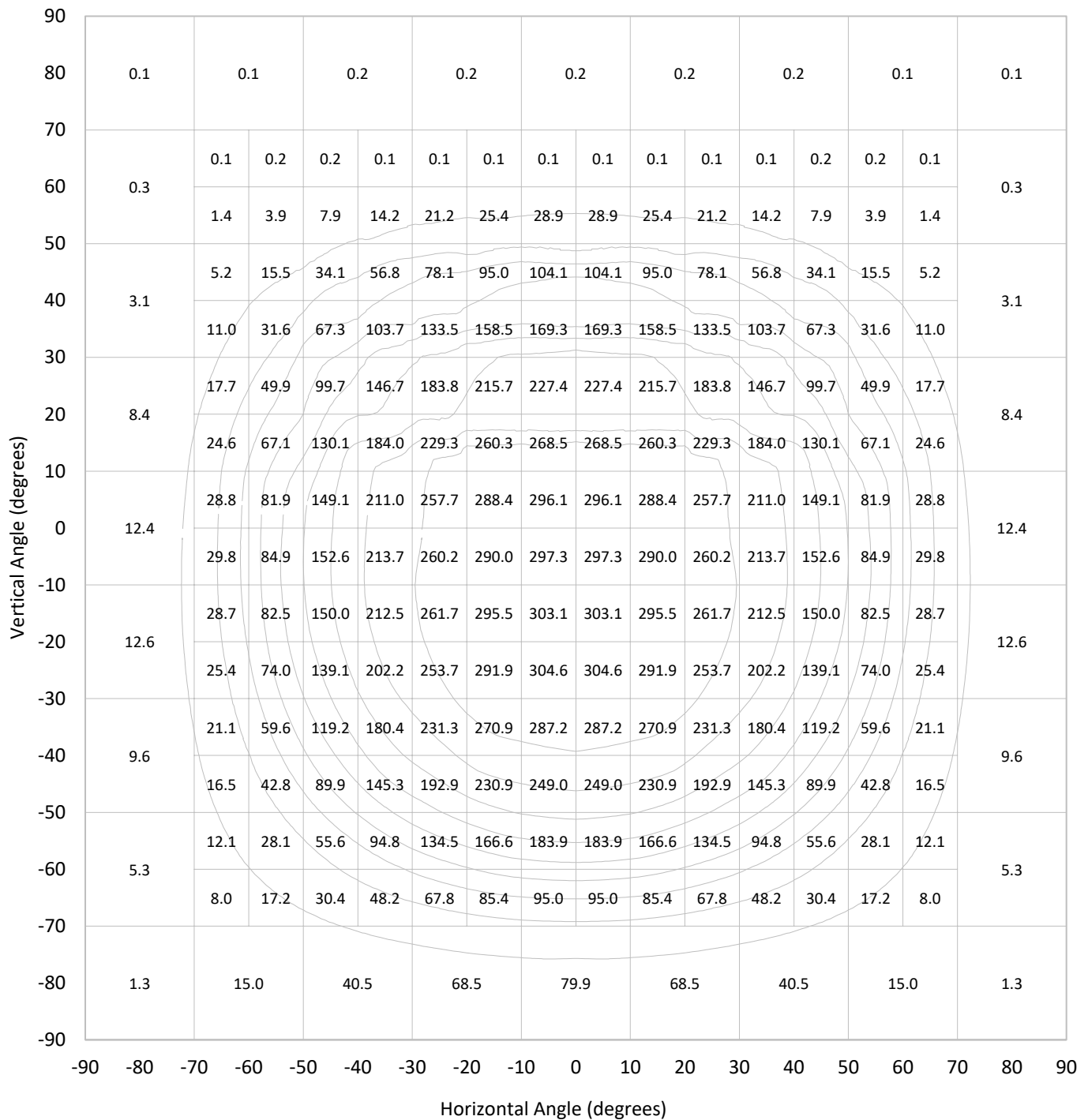
Iso-Candela Plot





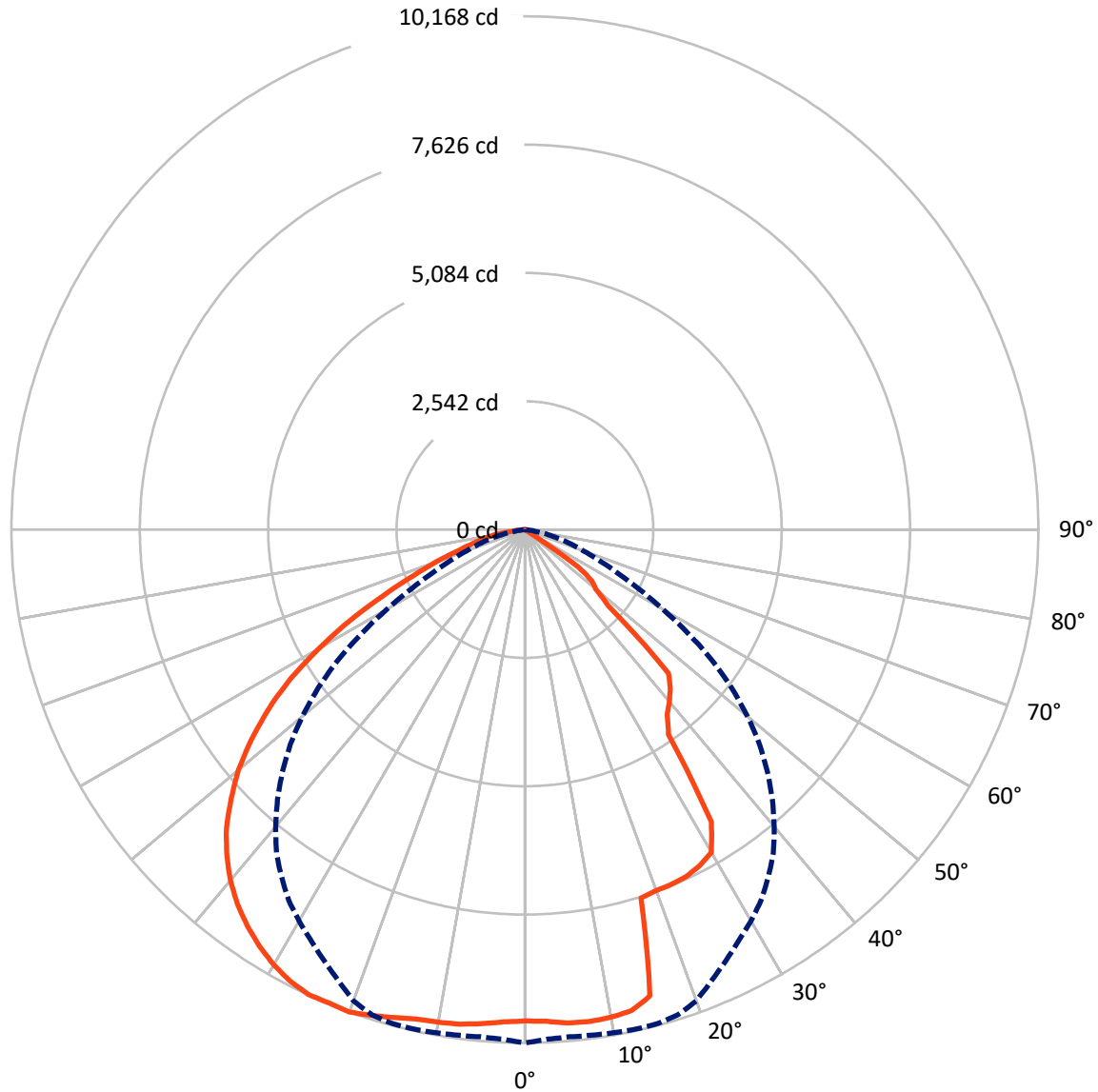
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Lumen Table



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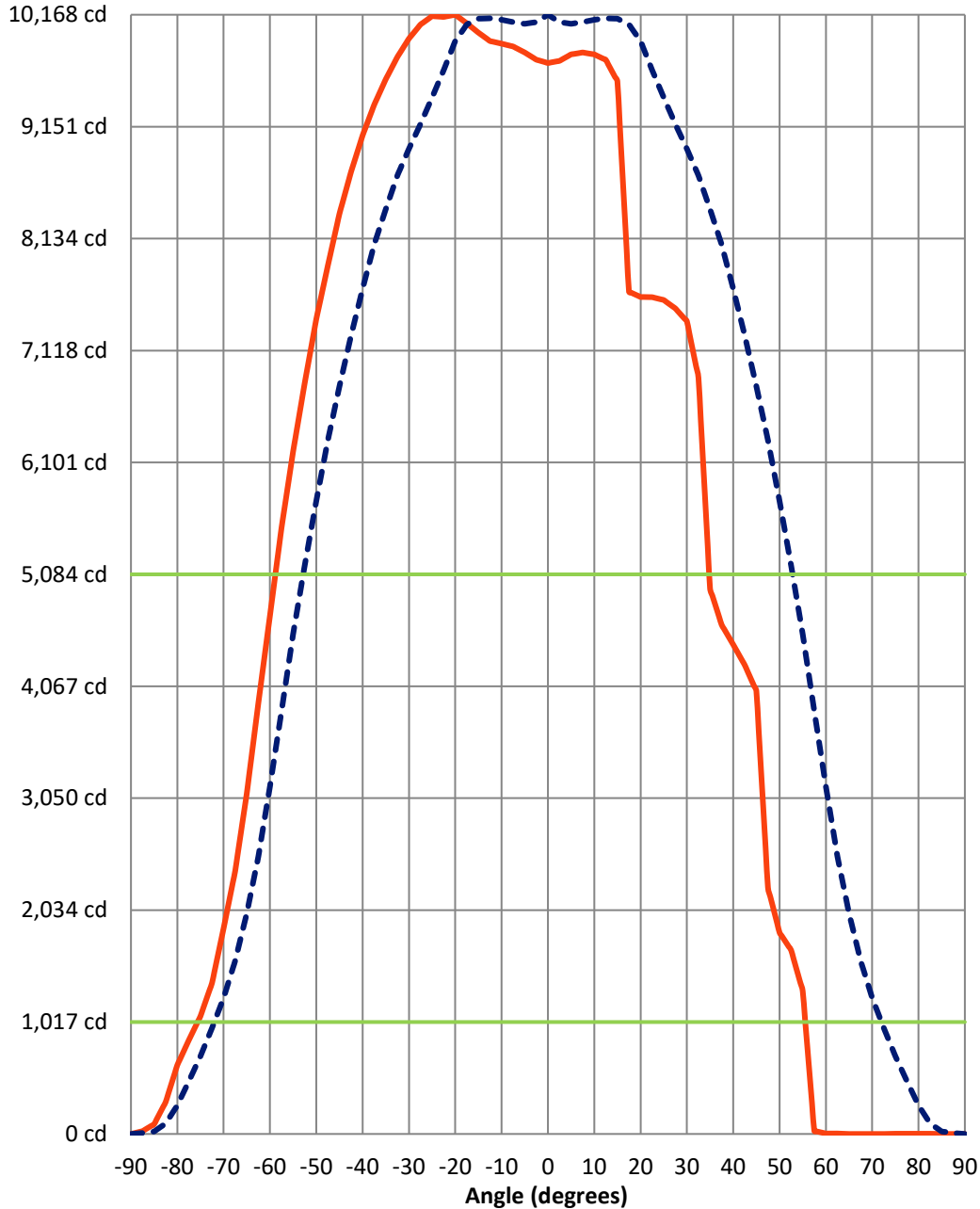
Luminous Intensity Polar Plot



— 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: 18638
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 23368.2
 Efficiency: 98.0%

Spill:
 Lumens: 473.5
 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	0.2	0.4	0.6	0.7	0.9	1.1	1.1	1.1	1.0	0.9
85°	0.0	0.5	0.8	1.1	1.5	1.9	2.2	2.3	2.2	2.1	1.9
82.5°	0.0	0.7	1.1	1.7	2.2	2.8	3.3	3.4	3.3	2.8	2.2
80°	0.0	0.9	1.5	2.2	3.0	3.7	4.3	3.8	3.3	2.8	2.3
77.5°	0.0	1.2	1.9	2.8	3.7	4.3	4.3	3.9	3.3	2.8	2.3
75°	0.0	1.4	2.3	3.3	4.3	4.5	4.4	3.9	3.4	2.9	2.4
72.5°	0.0	1.6	2.6	3.9	4.5	4.6	4.4	3.9	3.4	2.9	2.4
70°	0.0	1.9	3.0	4.3	4.7	4.8	4.5	4.0	3.5	3.0	3.4
67.5°	0.0	2.1	3.4	4.6	5.0	5.0	5.1	4.0	3.6	4.8	4.9
65°	0.0	2.3	3.8	4.8	5.2	5.7	5.8	4.1	5.7	6.8	8.5
62.5°	0.0	2.6	4.2	5.0	5.4	7.1	6.8	5.8	8.0	11.9	18.9
60°	0.0	2.8	4.6	5.2	5.7	8.7	8.0	8.2	10.4	30.1	32.8
57.5°	0.0	3.0	4.8	5.5	7.3	10.4	14.8	11.5	29.5	51.2	59.5
55°	0.0	3.2	5.1	5.7	9.2	12.3	23.7	18.7	54.7	79.0	96.3
52.5°	0.0	3.4	5.3	5.9	11.1	15.8	33.9	47.5	82.2	124.0	139.7
50°	0.0	3.6	5.6	6.2	13.1	26.9	45.8	80.3	117.5	174.0	218.2
47.5°	0.0	3.8	5.8	6.8	15.2	38.9	61.6	114.7	169.3	229.2	298.5
45°	0.0	4.0	6.1	8.4	17.3	51.8	92.9	150.7	227.3	298.7	376.4
42.5°	0.0	4.2	6.4	10.1	19.6	65.4	125.0	196.3	286.3	366.5	466.2
40°	0.0	4.4	6.7	12.2	26.3	79.9	157.7	248.2	347.1	432.9	562.4
37.5°	0.0	4.6	7.0	14.8	37.6	95.1	191.2	300.2	410.9	512.7	662.8
35°	0.0	4.8	7.2	17.7	49.1	118.2	225.1	352.2	475.6	610.7	781.5
32.5°	0.0	5.0	7.5	20.9	60.8	144.9	261.9	404.0	541.2	709.3	925.8
30°	0.0	5.2	7.8	24.3	72.5	171.5	304.0	456.3	607.3	808.1	1064.3
27.5°	0.0	5.3	8.1	28.0	87.0	197.7	345.3	510.7	680.0	906.8	1196.6
25°	0.0	5.5	8.4	31.9	101.8	223.6	385.5	564.6	762.0	1014.6	1322.8
22.5°	0.0	5.6	8.7	35.9	116.7	249.9	424.6	617.6	842.4	1122.3	1450.5
20°	0.0	5.8	9.0	40.0	131.3	278.2	462.4	669.4	920.7	1223.9	1575.1
17.5°	0.0	5.9	9.2	44.2	145.8	305.5	499.7	719.8	996.5	1319.3	1695.8
15°	0.0	6.0	9.5	48.5	159.8	331.8	535.7	766.7	1069.3	1408.2	1811.8
12.5°	0.0	6.1	9.8	52.7	173.4	356.8	569.2	808.4	1127.4	1490.6	1922.1
10°	0.0	6.2	10.0	56.8	186.5	380.5	600.4	846.9	1170.7	1540.0	2012.0
7.5°	0.0	6.3	10.3	60.9	198.8	402.6	629.0	882.0	1207.6	1578.3	2064.4
5°	0.0	6.4	10.5	64.7	210.2	423.0	655.1	913.5	1238.4	1609.2	2107.1
2.5°	0.0	6.4	10.7	68.3	220.7	441.5	678.4	941.6	1263.3	1633.0	2139.7
0°	0.0	6.5	10.9	71.6	230.1	458.0	699.0	966.0	1282.9	1649.8	2162.1
-2.5°	0.0	6.9	12.6	76.3	238.9	468.4	709.2	980.2	1289.9	1671.1	2176.7
-5°	0.0	7.2	14.3	80.6	246.3	476.7	716.7	990.6	1292.4	1684.9	2181.3
-7.5°	0.0	7.6	15.9	84.4	252.4	482.7	721.5	997.1	1290.6	1690.5	2176.5
-10°	0.0	7.9	17.4	87.7	257.0	486.4	723.6	999.6	1285.0	1687.2	2162.6
-12.5°	0.0	8.2	18.9	90.5	260.1	488.0	723.2	997.9	1276.1	1673.6	2138.9
-15°	0.0	8.5	20.3	92.8	261.5	487.3	720.4	992.1	1266.0	1647.1	2104.5
-17.5°	0.0	8.7	21.6	94.4	261.4	484.3	715.1	980.1	1253.7	1613.9	2059.7
-20°	0.0	8.9	22.8	95.4	259.5	479.2	706.9	963.0	1236.2	1574.4	2004.4

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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	9.1	23.9	95.6	255.8	471.9	695.1	942.5	1213.4	1528.8	1938.8
-25°	0.0	9.2	24.9	95.2	250.4	460.6	680.6	918.7	1185.2	1477.5	1862.8
-27.5°	0.0	9.3	25.7	94.0	243.1	446.4	663.3	891.7	1151.6	1427.8	1795.4
-30°	0.0	9.4	26.4	92.1	233.9	430.3	643.3	861.5	1114.9	1385.8	1723.5
-32.5°	0.0	9.4	26.9	89.4	223.3	412.3	620.6	833.6	1075.9	1337.3	1646.6
-35°	0.0	9.4	27.2	85.9	211.5	392.5	596.1	804.2	1033.8	1282.2	1565.1
-37.5°	0.0	9.4	27.4	81.6	198.4	372.5	569.7	771.8	988.6	1220.8	1484.5
-40°	0.0	9.3	27.4	76.5	184.2	354.4	541.3	736.2	940.6	1162.7	1405.0
-42.5°	0.0	9.1	27.3	71.0	173.5	335.0	510.9	697.8	894.2	1101.4	1319.3
-45°	0.0	8.9	27.0	65.5	166.1	314.4	478.6	657.9	846.7	1036.0	1230.6
-47.5°	0.0	8.7	26.5	59.1	157.5	292.6	444.4	618.1	795.8	967.3	1153.8
-50°	0.0	8.5	25.8	57.0	147.5	269.6	415.9	576.3	739.6	904.3	1073.4
-52.5°	0.0	8.2	25.0	55.9	136.3	245.6	387.4	532.5	685.8	839.5	990.9
-55°	0.0	7.8	24.0	54.1	123.8	227.4	357.7	488.3	631.8	772.9	917.7
-57.5°	0.0	7.4	22.9	51.8	110.1	208.9	326.9	453.2	575.9	709.0	842.9
-60°	0.0	7.0	21.6	48.9	95.8	188.7	295.7	414.4	520.0	644.4	768.1
-62.5°	0.0	6.6	20.2	45.4	89.0	166.9	267.2	372.2	468.3	578.1	694.8
-65°	0.0	6.1	18.8	41.4	81.3	143.6	236.6	328.4	413.6	511.6	619.8
-67.5°	0.0	5.6	17.3	37.0	72.6	124.1	204.0	284.9	356.0	442.1	538.9
-70°	0.0	5.0	15.6	32.1	63.2	108.6	169.8	240.3	304.3	369.5	452.7
-72.5°	0.0	4.4	13.9	28.2	53.0	92.0	143.6	194.8	251.7	309.3	367.7
-75°	0.0	3.9	12.1	24.5	42.2	74.3	117.4	157.0	198.1	248.4	299.3
-77.5°	0.0	3.2	10.2	20.7	34.8	55.7	89.9	121.3	154.1	189.5	229.8
-80°	0.0	2.6	8.2	16.7	28.2	42.5	61.3	85.0	110.3	137.7	167.2
-82.5°	0.0	2.0	6.2	12.6	21.3	32.1	45.0	54.6	65.9	85.2	106.1
-85°	0.0	1.3	4.1	8.5	14.3	21.5	30.2	36.5	43.0	49.7	56.8
-87.5°	0.0	0.7	2.1	4.2	7.2	10.8	15.2	18.3	21.5	24.9	28.4
-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-SA4E-750-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°	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7	1.7
85°	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
75°	2.2	2.2	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2
72.5°	2.5	2.8	2.8	2.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2
70°	3.4	3.5	3.1	2.5	2.2	2.3	2.5	2.4	2.2	2.2	2.2
67.5°	4.2	3.7	3.1	3.0	3.0	3.3	3.2	2.7	2.2	2.2	2.3
65°	4.2	3.7	5.4	6.1	4.5	3.8	3.3	2.8	3.0	3.1	3.1
62.5°	6.4	8.1	10.3	18.3	13.7	4.0	7.1	8.4	6.2	5.1	5.5
60°	21.1	14.4	42.7	61.3	38.2	13.9	17.0	56.7	49.2	9.1	30.7
57.5°	44.6	61.1	112.6	114.7	79.3	54.7	159.2	183.9	139.2	81.2	124.2
55°	98.1	150.8	186.8	172.9	188.8	286.0	339.9	305.3	257.0	395.3	505.1
52.5°	191.7	245.5	257.6	295.8	423.5	486.6	466.2	498.6	646.6	803.0	837.0
50°	283.0	327.0	361.2	522.3	622.2	628.5	674.9	821.6	1018.9	1114.6	1091.5
47.5°	371.3	416.8	576.4	731.2	776.1	837.5	953.5	1236.5	1445.5	1449.6	1425.9
45°	464.6	586.2	789.9	890.9	963.6	1082.5	1362.5	1752.9	1773.2	1829.8	2178.7
42.5°	564.5	777.5	955.2	1060.2	1177.8	1399.7	1773.3	2029.4	2117.5	2365.8	2646.4
40°	726.2	962.3	1117.6	1251.8	1403.0	1726.6	2135.9	2375.9	2447.5	2662.4	2873.3
37.5°	890.2	1116.7	1290.6	1452.5	1662.1	2099.0	2572.5	2770.3	2806.5	2845.8	3313.2
35°	1048.2	1274.9	1483.2	1695.1	1952.1	2580.9	2994.8	3180.8	3175.0	3440.3	3929.7
32.5°	1195.9	1436.7	1682.5	1965.9	2389.9	3034.2	3448.2	3559.6	3728.5	4114.6	4782.6
30°	1343.4	1617.2	1899.4	2237.0	2774.2	3332.6	3805.2	3984.4	4274.0	4714.6	5200.7
27.5°	1495.3	1802.2	2143.5	2539.2	3077.4	3590.8	3994.4	4422.7	4704.0	5098.9	5444.7
25°	1646.6	1998.1	2384.6	2803.2	3294.2	3772.6	4190.2	4684.8	4986.8	5305.1	5627.8
22.5°	1805.3	2196.7	2633.2	3012.5	3477.0	3927.3	4424.3	4960.8	5353.5	5555.8	5772.4
20°	1971.2	2411.6	2877.1	3297.4	3657.4	4070.9	4659.4	5311.2	5818.2	6045.8	6075.6
17.5°	2134.6	2619.8	3120.3	3575.3	3963.6	4331.6	4906.2	5731.0	6361.5	6573.1	6667.3
15°	2294.1	2820.0	3362.2	3845.7	4272.0	4722.0	5335.7	6174.4	6895.2	7129.4	7277.5
12.5°	2448.0	3011.0	3600.1	4107.2	4580.6	5085.5	5725.6	6493.4	7151.3	7604.3	7876.1
10°	2594.6	3191.3	3831.0	4358.2	4885.8	5422.5	6048.3	6731.1	7266.6	7703.6	8089.3
7.5°	2668.5	3309.1	4029.4	4597.1	5183.2	5734.0	6312.5	6898.6	7349.7	7778.2	8151.1
5°	2718.8	3357.5	4091.4	4680.4	5341.3	5941.8	6503.5	7008.6	7403.9	7828.6	8192.9
2.5°	2754.7	3388.9	4133.4	4726.0	5400.6	6005.7	6558.5	7045.4	7448.6	7864.7	8237.7
0°	2776.4	3403.8	4154.8	4754.0	5437.8	6047.8	6590.4	7059.3	7478.3	7882.1	8283.6
-2.5°	2788.7	3449.3	4169.0	4826.0	5473.7	6084.0	6635.1	7092.9	7530.7	7914.9	8317.5
-5°	2787.1	3476.5	4165.3	4874.4	5490.8	6098.1	6657.5	7108.1	7559.0	7939.5	8331.2
-7.5°	2772.0	3482.7	4146.5	4889.6	5491.5	6093.3	6647.7	7115.3	7558.6	7962.0	8332.5
-10°	2745.0	3458.1	4129.2	4850.4	5470.5	6068.6	6617.7	7099.3	7541.0	7957.5	8325.3
-12.5°	2713.2	3407.4	4093.0	4793.9	5427.7	6022.5	6572.1	7058.7	7507.9	7923.4	8308.7
-15°	2665.4	3339.9	4033.5	4722.1	5362.5	5955.3	6513.0	6992.3	7457.0	7863.9	8259.4
-17.5°	2601.3	3256.2	3949.8	4637.0	5274.8	5867.7	6437.1	6904.7	7367.2	7787.6	8169.4
-20°	2520.4	3157.1	3841.2	4540.2	5163.3	5750.0	6301.7	6791.4	7250.8	7678.5	8079.7



REPORT NUMBER: P645497 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2422.7	3043.2	3710.3	4409.7	5024.3	5604.4	6149.4	6647.0	7123.1	7536.6	7964.1
-25°	2324.8	2922.7	3565.6	4228.9	4862.8	5440.4	5987.1	6471.8	6958.4	7388.6	7794.6
-27.5°	2231.0	2783.0	3397.7	4029.9	4679.8	5254.6	5796.4	6281.5	6753.9	7224.2	7615.1
-30°	2125.7	2621.4	3213.5	3817.5	4451.0	5036.2	5582.1	6085.5	6535.0	6999.4	7419.2
-32.5°	2009.6	2449.9	3019.1	3600.0	4197.5	4795.6	5336.4	5836.4	6304.1	6743.4	7184.0
-35°	1896.0	2311.4	2813.0	3366.6	3928.9	4515.6	5056.8	5552.0	6037.3	6472.5	6893.6
-37.5°	1793.8	2161.5	2594.0	3122.8	3660.1	4215.2	4765.5	5244.9	5706.7	6185.2	6595.8
-40°	1683.3	2000.5	2404.4	2871.7	3378.1	3906.0	4432.9	4928.9	5363.0	5835.8	6287.4
-42.5°	1567.6	1869.3	2217.2	2606.0	3084.0	3581.7	4090.3	4575.5	5026.3	5472.3	5919.9
-45°	1466.2	1730.5	2026.9	2382.1	2771.2	3239.3	3720.9	4204.5	4637.2	5062.3	5504.2
-47.5°	1358.4	1591.0	1865.0	2148.7	2487.0	2878.4	3331.3	3777.3	4220.2	4624.7	5015.8
-50°	1251.0	1465.4	1690.6	1946.0	2225.1	2542.4	2918.5	3333.2	3737.7	4153.0	4540.4
-52.5°	1158.5	1333.3	1536.8	1749.9	1988.9	2251.3	2552.7	2893.3	3261.2	3613.7	4000.1
-55°	1062.4	1220.1	1384.3	1571.9	1770.8	1992.3	2239.3	2525.6	2806.3	3132.3	3447.8
-57.5°	974.9	1107.8	1247.8	1402.8	1575.5	1752.8	1968.7	2191.4	2446.2	2699.5	2949.3
-60°	892.3	1000.9	1119.7	1250.9	1389.8	1547.5	1708.7	1899.9	2105.1	2307.3	2519.3
-62.5°	809.0	900.4	997.3	1106.2	1227.3	1346.5	1484.1	1631.4	1782.4	1953.8	2121.0
-65°	723.4	797.3	879.4	969.8	1066.4	1167.9	1273.6	1382.7	1511.2	1636.8	1758.3
-67.5°	632.5	695.7	762.2	833.4	914.4	994.1	1073.7	1165.8	1260.4	1353.4	1449.7
-70°	531.7	591.4	646.8	704.5	764.7	827.2	895.2	962.7	1029.4	1099.1	1176.4
-72.5°	429.3	484.2	532.9	575.5	625.0	676.9	726.6	774.0	824.3	877.2	929.5
-75°	342.4	378.6	422.1	461.9	501.2	537.8	570.6	610.8	652.8	691.2	722.8
-77.5°	267.3	300.2	329.9	356.6	387.9	424.5	456.5	483.9	510.6	539.7	570.5
-80°	194.4	221.8	248.9	273.5	291.6	312.3	336.8	364.8	389.1	408.8	426.8
-82.5°	125.5	145.3	165.5	186.0	194.4	200.1	205.4	215.2	230.2	245.0	259.2
-85°	62.6	68.3	80.6	93.3	97.6	100.7	102.8	103.9	109.0	113.7	117.8
-87.5°	31.3	34.2	37.0	39.9	38.4	36.3	33.8	30.7	30.0	29.1	28.0
-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: P645497 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-750-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°	1.8	1.9	1.9	2.0	2.0	1.5	1.0	0.5	0.0	0.0	0.0
85°	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.0	2.1	1.6	1.1
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
72.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
70°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
67.5°	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.9	1.4
65°	3.0	3.0	3.1	3.0	2.7	2.6	2.7	2.6	2.4	1.9	1.3
62.5°	5.4	6.1	4.8	4.8	4.7	4.5	4.4	4.1	3.8	3.6	3.8
60°	34.0	20.1	11.8	13.7	12.3	8.2	10.4	12.2	12.4	11.3	10.0
57.5°	188.7	140.9	104.3	249.1	249.9	119.3	143.7	225.8	186.0	61.1	56.7
55°	524.9	627.8	826.3	784.8	797.6	917.4	1001.7	886.8	869.4	926.4	1070.2
52.5°	943.0	1041.1	1107.9	1170.3	1246.4	1328.1	1412.2	1465.8	1515.9	1569.2	1600.9
50°	1204.2	1342.4	1437.4	1402.5	1599.2	1679.7	1598.0	1671.0	1760.1	1784.5	1796.0
47.5°	1778.1	1980.9	2021.1	2151.7	2269.1	2266.6	2166.9	2172.7	2437.9	2671.9	2786.8
45°	2555.5	2562.4	2689.8	2920.4	3085.3	3033.4	3172.6	3488.8	3594.1	3695.9	3779.4
42.5°	2858.3	2983.8	3187.2	3391.1	3514.0	3620.6	3723.6	3839.9	3976.6	4087.5	4176.1
40°	3151.5	3252.6	3460.9	3625.2	3727.0	3826.5	3946.5	4075.3	4200.4	4297.8	4364.3
37.5°	3602.8	3681.2	3731.9	3884.4	4076.9	3988.0	4215.8	4379.1	4453.7	4552.7	4561.5
35°	4285.6	4233.4	4165.8	4772.8	4809.1	4604.1	4817.1	5070.3	4936.8	5214.7	5364.1
32.5°	4890.9	4883.1	5412.8	5731.9	5548.3	5698.2	6189.1	6167.3	6494.6	6646.5	6603.2
30°	5461.2	5655.8	5962.1	6199.7	6231.5	6467.8	6685.8	6876.8	7074.4	7251.5	7263.7
27.5°	5750.7	6004.6	6212.5	6350.0	6503.4	6702.3	6900.1	7115.2	7283.3	7394.3	7421.4
25°	5925.8	6185.2	6342.6	6490.6	6660.0	6831.6	7053.1	7287.4	7422.3	7490.8	7512.6
22.5°	6080.2	6313.2	6482.5	6602.6	6784.9	6969.5	7176.0	7374.3	7521.0	7550.8	7561.8
20°	6228.8	6452.7	6735.4	6912.2	6903.4	7111.4	7310.4	7468.1	7590.3	7589.6	7592.5
17.5°	6658.7	6738.6	7251.7	7641.2	7448.4	7346.6	7894.0	7904.4	7936.9	7872.3	7732.2
15°	7295.2	7440.8	8071.1	8493.4	8360.4	8353.4	9144.1	8948.0	9116.7	9072.6	9262.5
12.5°	7969.5	8141.8	8612.9	9027.5	9225.1	9273.7	9537.8	9785.2	9836.0	9815.9	9778.7
10°	8428.9	8674.3	8863.5	9115.2	9314.5	9517.8	9670.8	9848.5	9906.7	9873.0	9825.4
7.5°	8488.7	8731.3	8953.4	9174.2	9364.0	9527.9	9686.6	9831.3	9890.5	9870.9	9838.2
5°	8526.7	8746.4	8961.8	9185.9	9367.3	9519.1	9677.3	9823.8	9858.8	9835.3	9803.4
2.5°	8550.1	8753.6	8961.1	9184.3	9349.0	9493.6	9653.7	9810.0	9809.8	9799.4	9780.9
0°	8561.5	8765.6	9006.5	9208.4	9392.9	9529.7	9688.1	9840.1	9829.2	9801.0	9768.4
-2.5°	8585.9	8792.7	9038.6	9205.8	9413.9	9539.2	9702.9	9834.5	9829.4	9815.6	9799.4
-5°	8607.6	8840.2	9070.3	9246.2	9454.7	9618.5	9781.3	9884.2	9889.7	9870.4	9843.2
-7.5°	8620.9	8878.7	9098.2	9274.9	9477.1	9667.6	9832.7	9940.7	9943.1	9917.4	9884.9
-10°	8616.5	8888.6	9114.5	9297.2	9504.3	9692.3	9865.0	10001.9	9997.4	9973.0	9945.3
-12.5°	8600.2	8872.0	9104.0	9287.2	9522.4	9716.0	9910.2	10046.4	10053.7	10035.4	10005.4
-15°	8564.4	8845.1	9070.7	9270.8	9501.3	9727.6	9927.2	10077.4	10104.2	10089.2	10065.6
-17.5°	8493.7	8789.8	9029.2	9244.8	9465.9	9707.2	9934.2	10098.5	10135.1	10129.2	10109.5
-20°	8400.8	8706.4	8949.4	9175.3	9416.0	9664.6	9928.7	10078.8	10132.0	10135.4	10122.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645497 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-750-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°	8296.6	8595.8	8853.5	9075.6	9336.6	9588.2	9827.4	10003.2	10092.5	10109.2	10110.3
-25°	8171.6	8479.0	8735.1	8971.6	9214.4	9474.2	9715.9	9912.2	10002.7	10046.0	10059.4
-27.5°	7994.9	8312.7	8564.7	8814.6	9061.6	9330.1	9584.0	9797.5	9871.1	9930.6	9954.5
-30°	7788.0	8102.2	8359.2	8587.7	8870.2	9143.9	9406.0	9592.3	9703.3	9771.4	9808.6
-32.5°	7550.0	7867.3	8136.9	8375.5	8644.1	8917.7	9164.3	9360.8	9513.9	9592.4	9632.2
-35°	7292.0	7615.9	7898.2	8149.6	8402.4	8663.2	8918.8	9124.2	9298.8	9366.2	9416.0
-37.5°	6980.8	7338.1	7627.5	7886.8	8127.1	8372.2	8638.3	8873.2	9042.7	9108.1	9160.6
-40°	6661.6	7006.9	7298.9	7575.3	7813.0	8080.7	8337.0	8583.2	8730.2	8806.5	8866.0
-42.5°	6324.7	6636.7	6914.3	7182.9	7447.4	7723.0	7979.1	8235.0	8362.2	8454.2	8527.1
-45°	5935.8	6226.1	6495.9	6747.3	7019.9	7290.9	7547.2	7773.3	7924.6	8044.3	8137.5
-47.5°	5417.3	5770.9	6041.8	6280.9	6551.2	6812.6	7061.0	7273.6	7439.5	7579.6	7687.8
-50°	4890.7	5230.1	5535.6	5804.1	6055.0	6296.7	6533.1	6741.1	6916.7	7068.5	7178.1
-52.5°	4372.1	4690.1	4993.2	5270.5	5511.6	5739.8	5956.1	6165.3	6350.5	6512.8	6618.8
-55°	3786.1	4115.5	4415.3	4673.9	4914.8	5140.4	5354.0	5552.4	5734.7	5900.0	6001.6
-57.5°	3236.4	3525.3	3804.3	4043.0	4270.4	4485.2	4687.7	4877.7	5053.2	5208.7	5306.6
-60°	2731.1	2941.8	3181.9	3402.2	3603.8	3786.6	3975.6	4152.7	4313.9	4450.6	4541.9
-62.5°	2284.5	2459.0	2632.4	2800.0	2963.5	3127.8	3285.9	3432.8	3567.5	3679.5	3759.5
-65°	1886.5	2026.8	2152.2	2271.0	2384.2	2513.8	2634.0	2747.1	2851.8	2937.7	2998.6
-67.5°	1553.4	1652.0	1738.7	1820.2	1909.5	2001.0	2086.8	2161.6	2225.6	2276.5	2316.7
-70°	1252.7	1325.2	1390.6	1455.6	1520.8	1580.3	1637.1	1692.1	1744.4	1787.0	1818.9
-72.5°	981.1	1030.6	1075.1	1125.2	1172.1	1217.2	1256.5	1288.3	1312.9	1336.9	1357.8
-75°	747.9	785.1	835.4	877.8	912.8	943.8	972.2	997.5	1019.7	1039.4	1056.8
-77.5°	601.6	633.2	665.1	696.1	726.0	748.2	768.9	789.5	809.8	827.3	842.7
-80°	445.9	469.4	494.1	518.9	543.7	556.0	565.8	574.9	582.9	593.3	603.0
-82.5°	272.6	286.0	299.7	313.6	327.5	330.9	332.1	331.8	330.0	326.2	320.5
-85°	121.3	122.0	121.6	120.2	117.9	113.1	107.3	100.5	92.9	91.7	90.2
-87.5°	26.7	26.1	25.4	24.5	23.6	23.5	23.4	23.3	23.1	23.8	24.6
-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: P645497 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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	0.5
85°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.0
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
72.5°	2.2	2.2	1.2	0.0	1.2	2.2	2.2	2.2	2.2	2.2	2.2
70°	2.2	2.2	1.2	0.0	1.2	2.2	2.2	2.2	2.2	2.2	2.2
67.5°	0.8	0.2	0.0	0.0	0.0	0.2	0.8	1.4	1.9	2.2	2.2
65°	0.7	0.1	0.0	0.0	0.0	0.1	0.7	1.3	1.9	2.4	2.6
62.5°	3.9	4.1	4.3	4.3	4.3	4.1	3.9	3.8	3.6	3.8	4.1
60°	7.8	5.1	4.3	4.3	4.3	5.1	7.8	10.0	11.3	12.4	12.2
57.5°	48.0	35.8	30.4	28.2	30.4	35.8	48.0	56.7	61.1	186.0	225.8
55°	1173.1	1232.8	1277.4	1298.1	1277.4	1232.8	1173.1	1070.2	926.4	869.4	886.8
52.5°	1628.9	1654.9	1669.8	1669.3	1669.8	1654.9	1628.9	1600.9	1569.2	1515.9	1465.8
50°	1815.6	1828.2	1832.7	1830.0	1832.7	1828.2	1815.6	1796.0	1784.5	1760.1	1671.0
47.5°	2681.8	2449.7	2279.1	2238.1	2279.1	2449.7	2681.8	2786.8	2671.9	2437.9	2172.7
45°	3819.5	3907.5	3995.1	4022.4	3995.1	3907.5	3819.5	3779.4	3695.9	3594.1	3488.8
42.5°	4213.5	4242.2	4258.4	4259.0	4258.4	4242.2	4213.5	4176.1	4087.5	3976.6	3839.9
40°	4401.5	4428.6	4444.3	4445.7	4444.3	4428.6	4401.5	4364.3	4297.8	4200.4	4075.3
37.5°	4572.3	4595.4	4610.5	4625.9	4610.5	4595.4	4572.3	4561.5	4552.7	4453.7	4379.1
35°	5344.0	5169.2	4917.8	4955.9	4917.8	5169.2	5344.0	5364.1	5214.7	4936.8	5070.3
32.5°	6670.9	6744.4	6790.2	6868.3	6790.2	6744.4	6670.9	6603.2	6646.5	6494.6	6167.3
30°	7283.0	7307.3	7344.1	7382.8	7344.1	7307.3	7283.0	7263.7	7251.5	7074.4	6876.8
27.5°	7435.8	7460.9	7483.2	7500.0	7483.2	7460.9	7435.8	7421.4	7394.3	7283.3	7115.2
25°	7515.7	7531.4	7555.2	7576.0	7555.2	7531.4	7515.7	7512.6	7490.8	7422.3	7287.4
22.5°	7555.4	7557.1	7575.7	7602.0	7575.7	7557.1	7555.4	7561.8	7550.8	7521.0	7374.3
20°	7582.7	7568.0	7587.1	7604.2	7587.1	7568.0	7582.7	7592.5	7589.6	7590.3	7468.1
17.5°	7929.8	7731.8	7650.4	7651.9	7650.4	7731.8	7929.8	7732.2	7872.3	7936.9	7904.4
15°	9049.3	9123.6	9408.4	9562.2	9408.4	9123.6	9049.3	9262.5	9072.6	9116.7	8948.0
12.5°	9771.8	9745.3	9711.5	9757.6	9711.5	9745.3	9771.8	9778.7	9815.9	9836.0	9785.2
10°	9805.2	9802.2	9741.9	9807.5	9741.9	9802.2	9805.2	9825.4	9873.0	9906.7	9848.5
7.5°	9784.7	9786.5	9760.9	9824.9	9760.9	9786.5	9784.7	9838.2	9870.9	9890.5	9831.3
5°	9798.3	9754.2	9770.9	9807.5	9770.9	9754.2	9798.3	9803.4	9835.3	9858.8	9823.8
2.5°	9760.4	9755.8	9723.3	9748.9	9723.3	9755.8	9760.4	9780.9	9799.4	9809.8	9810.0
0°	9731.5	9707.7	9707.7	9729.4	9707.7	9707.7	9731.5	9768.4	9801.0	9829.2	9840.1
-2.5°	9782.9	9777.9	9774.7	9759.8	9774.7	9777.9	9782.9	9799.4	9815.6	9829.4	9834.5
-5°	9825.1	9812.2	9776.6	9824.9	9776.6	9812.2	9825.1	9843.2	9870.4	9889.7	9884.2
-7.5°	9870.5	9837.5	9803.8	9879.2	9803.8	9837.5	9870.5	9884.9	9917.4	9943.1	9940.7
-10°	9912.0	9864.3	9831.5	9905.2	9831.5	9864.3	9912.0	9945.3	9973.0	9997.4	10001.9
-12.5°	9966.7	9911.0	9889.1	9929.1	9889.1	9911.0	9966.7	10005.4	10035.4	10053.7	10046.4
-15°	10025.2	9986.6	9981.5	10005.1	9981.5	9986.6	10025.2	10065.6	10089.2	10104.2	10077.4
-17.5°	10076.6	10049.5	10062.9	10089.7	10062.9	10049.5	10076.6	10109.5	10129.2	10135.1	10098.5
-20°	10101.0	10085.9	10100.9	10167.9	10100.9	10085.9	10101.0	10122.0	10135.4	10132.0	10078.8



REPORT NUMBER: P645497 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	10099.0	10099.9	10126.5	10148.3	10126.5	10099.9	10099.0	10110.3	10109.2	10092.5	10003.2
-25°	10060.4	10080.7	10111.2	10154.8	10111.2	10080.7	10060.4	10059.4	10046.0	10002.7	9912.2
-27.5°	9967.5	10001.2	10033.1	10078.9	10033.1	10001.2	9967.5	9954.5	9930.6	9871.1	9797.5
-30°	9833.1	9873.2	9901.7	9950.8	9901.7	9873.2	9833.1	9808.6	9771.4	9703.3	9592.3
-32.5°	9669.6	9715.0	9748.6	9783.6	9748.6	9715.0	9669.6	9632.2	9592.4	9513.9	9360.8
-35°	9465.2	9514.0	9549.8	9581.8	9549.8	9514.0	9465.2	9416.0	9366.2	9298.8	9124.2
-37.5°	9219.6	9272.3	9313.0	9349.5	9313.0	9272.3	9219.6	9160.6	9108.1	9042.7	8873.2
-40°	8933.4	8987.5	9030.9	9071.6	9030.9	8987.5	8933.4	8866.0	8806.5	8730.2	8583.2
-42.5°	8598.9	8653.5	8698.3	8739.5	8698.3	8653.5	8598.9	8527.1	8454.2	8362.2	8235.0
-45°	8212.6	8268.7	8316.1	8359.6	8316.1	8268.7	8212.6	8137.5	8044.3	7924.6	7773.3
-47.5°	7767.6	7827.7	7868.3	7888.6	7868.3	7827.7	7767.6	7687.8	7579.6	7439.5	7273.6
-50°	7257.5	7317.6	7366.3	7402.3	7366.3	7317.6	7257.5	7178.1	7068.5	6916.7	6741.1
-52.5°	6696.2	6753.4	6795.2	6820.5	6795.2	6753.4	6696.2	6618.8	6512.8	6350.5	6165.3
-55°	6081.5	6141.4	6181.1	6199.7	6181.1	6141.4	6081.5	6001.6	5900.0	5734.7	5552.4
-57.5°	5384.3	5441.2	5483.4	5507.2	5483.4	5441.2	5384.3	5306.6	5208.7	5053.2	4877.7
-60°	4613.0	4663.8	4695.9	4708.4	4695.9	4663.8	4613.0	4541.9	4450.6	4313.9	4152.7
-62.5°	3824.0	3872.1	3902.2	3913.9	3902.2	3872.1	3824.0	3759.5	3679.5	3567.5	3432.8
-65°	3044.1	3074.2	3090.9	3093.3	3090.9	3074.2	3044.1	2998.6	2937.7	2851.8	2747.1
-67.5°	2348.4	2371.4	2385.3	2390.0	2385.3	2371.4	2348.4	2316.7	2276.5	2225.6	2161.6
-70°	1842.7	1858.6	1867.5	1869.0	1867.5	1858.6	1842.7	1818.9	1787.0	1744.4	1692.1
-72.5°	1373.8	1385.2	1381.2	1371.9	1381.2	1385.2	1373.8	1357.8	1336.9	1312.9	1288.3
-75°	1071.7	1084.2	1079.0	1070.2	1079.0	1084.2	1071.7	1056.8	1039.4	1019.7	997.5
-77.5°	856.1	867.5	861.9	853.1	861.9	867.5	856.1	842.7	827.3	809.8	789.5
-80°	611.4	618.1	622.8	625.2	622.8	618.1	611.4	603.0	593.3	582.9	574.9
-82.5°	313.0	303.8	298.0	290.9	298.0	303.8	313.0	320.5	326.2	330.0	331.8
-85°	88.5	86.4	87.8	89.0	87.8	86.4	88.5	90.2	91.7	92.9	100.5
-87.5°	25.3	25.9	26.0	26.0	26.0	25.9	25.3	24.6	23.8	23.1	23.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645497 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	1.0	1.5	2.0	2.0	1.9	1.9	1.8	1.7	1.7	1.6	1.6
85°	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
72.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
70°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4
67.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.2	2.2	2.7
65°	2.7	2.6	2.7	3.0	3.1	3.0	3.0	3.1	3.1	3.0	2.8
62.5°	4.4	4.5	4.7	4.8	4.8	6.1	5.4	5.5	5.1	6.2	8.4
60°	10.4	8.2	12.3	13.7	11.8	20.1	34.0	30.7	9.1	49.2	56.7
57.5°	143.7	119.3	249.9	249.1	104.3	140.9	188.7	124.2	81.2	139.2	183.9
55°	1001.7	917.4	797.6	784.8	826.3	627.8	524.9	505.1	395.3	257.0	305.3
52.5°	1412.2	1328.1	1246.4	1170.3	1107.9	1041.1	943.0	837.0	803.0	646.6	498.6
50°	1598.0	1679.7	1599.2	1402.5	1437.4	1342.4	1204.2	1091.5	1114.6	1018.9	821.6
47.5°	2166.9	2266.6	2269.1	2151.7	2021.1	1980.9	1778.1	1425.9	1449.6	1445.5	1236.5
45°	3172.6	3033.4	3085.3	2920.4	2689.8	2562.4	2555.5	2178.7	1829.8	1773.2	1752.9
42.5°	3723.6	3620.6	3514.0	3391.1	3187.2	2983.8	2858.3	2646.4	2365.8	2117.5	2029.4
40°	3946.5	3826.5	3727.0	3625.2	3460.9	3252.6	3151.5	2873.3	2662.4	2447.5	2375.9
37.5°	4215.8	3988.0	4076.9	3884.4	3731.9	3681.2	3602.8	3313.2	2845.8	2806.5	2770.3
35°	4817.1	4604.1	4809.1	4772.8	4165.8	4233.4	4285.6	3929.7	3440.3	3175.0	3180.8
32.5°	6189.1	5698.2	5548.3	5731.9	5412.8	4883.1	4890.9	4782.6	4114.6	3728.5	3559.6
30°	6685.8	6467.8	6231.5	6199.7	5962.1	5655.8	5461.2	5200.7	4714.6	4274.0	3984.4
27.5°	6900.1	6702.3	6503.4	6350.0	6212.5	6004.6	5750.7	5444.7	5098.9	4704.0	4422.7
25°	7053.1	6831.6	6660.0	6490.6	6342.6	6185.2	5925.8	5627.8	5305.1	4986.8	4684.8
22.5°	7176.0	6969.5	6784.9	6602.6	6482.5	6313.2	6080.2	5772.4	5555.8	5353.5	4960.8
20°	7310.4	7111.4	6903.4	6912.2	6735.4	6452.7	6228.8	6075.6	6045.8	5818.2	5311.2
17.5°	7894.0	7346.6	7448.4	7641.2	7251.7	6738.6	6658.7	6667.3	6573.1	6361.5	5731.0
15°	9144.1	8353.4	8360.4	8493.4	8071.1	7440.8	7295.2	7277.5	7129.4	6895.2	6174.4
12.5°	9537.8	9273.7	9225.1	9027.5	8612.9	8141.8	7969.5	7876.1	7604.3	7151.3	6493.4
10°	9670.8	9517.8	9314.5	9115.2	8863.5	8674.3	8428.9	8089.3	7703.6	7266.6	6731.1
7.5°	9686.6	9527.9	9364.0	9174.2	8953.4	8731.3	8488.7	8151.1	7778.2	7349.7	6898.6
5°	9677.3	9519.1	9367.3	9185.9	8961.8	8746.4	8526.7	8192.9	7828.6	7403.9	7008.6
2.5°	9653.7	9493.6	9349.0	9184.3	8961.1	8753.6	8550.1	8237.7	7864.7	7448.6	7045.4
0°	9688.1	9529.7	9392.9	9208.4	9006.5	8765.6	8561.5	8283.6	7882.1	7478.3	7059.3
-2.5°	9702.9	9539.2	9413.9	9205.8	9038.6	8792.7	8585.9	8317.5	7914.9	7530.7	7092.9
-5°	9781.3	9618.5	9454.7	9246.2	9070.3	8840.2	8607.6	8331.2	7939.5	7559.0	7108.1
-7.5°	9832.7	9667.6	9477.1	9274.9	9098.2	8878.7	8620.9	8332.5	7962.0	7558.6	7115.3
-10°	9865.0	9692.3	9504.3	9297.2	9114.5	8888.6	8616.5	8325.3	7957.5	7541.0	7099.3
-12.5°	9910.2	9716.0	9522.4	9287.2	9104.0	8872.0	8600.2	8308.7	7923.4	7507.9	7058.7
-15°	9927.2	9727.6	9501.3	9270.8	9070.7	8845.1	8564.4	8259.4	7863.9	7457.0	6992.3
-17.5°	9934.2	9707.2	9465.9	9244.8	9029.2	8789.8	8493.7	8169.4	7787.6	7367.2	6904.7
-20°	9928.7	9664.6	9416.0	9175.3	8949.4	8706.4	8400.8	8079.7	7678.5	7250.8	6791.4



REPORT NUMBER: P645497 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	9827.4	9588.2	9336.6	9075.6	8853.5	8595.8	8296.6	7964.1	7536.6	7123.1	6647.0
-25°	9715.9	9474.2	9214.4	8971.6	8735.1	8479.0	8171.6	7794.6	7388.6	6958.4	6471.8
-27.5°	9584.0	9330.1	9061.6	8814.6	8564.7	8312.7	7994.9	7615.1	7224.2	6753.9	6281.5
-30°	9406.0	9143.9	8870.2	8587.7	8359.2	8102.2	7788.0	7419.2	6999.4	6535.0	6085.5
-32.5°	9164.3	8917.7	8644.1	8375.5	8136.9	7867.3	7550.0	7184.0	6743.4	6304.1	5836.4
-35°	8918.8	8663.2	8402.4	8149.6	7898.2	7615.9	7292.0	6893.6	6472.5	6037.3	5552.0
-37.5°	8638.3	8372.2	8127.1	7886.8	7627.5	7338.1	6980.8	6595.8	6185.2	5706.7	5244.9
-40°	8337.0	8080.7	7813.0	7575.3	7298.9	7006.9	6661.6	6287.4	5835.8	5363.0	4928.9
-42.5°	7979.1	7723.0	7447.4	7182.9	6914.3	6636.7	6324.7	5919.9	5472.3	5026.3	4575.5
-45°	7547.2	7290.9	7019.9	6747.3	6495.9	6226.1	5935.8	5504.2	5062.3	4637.2	4204.5
-47.5°	7061.0	6812.6	6551.2	6280.9	6041.8	5770.9	5417.3	5015.8	4624.7	4220.2	3777.3
-50°	6533.1	6296.7	6055.0	5804.1	5535.6	5230.1	4890.7	4540.4	4153.0	3737.7	3333.2
-52.5°	5956.1	5739.8	5511.6	5270.5	4993.2	4690.1	4372.1	4000.1	3613.7	3261.2	2893.3
-55°	5354.0	5140.4	4914.8	4673.9	4415.3	4115.5	3786.1	3447.8	3132.3	2806.3	2525.6
-57.5°	4687.7	4485.2	4270.4	4043.0	3804.3	3525.3	3236.4	2949.3	2699.5	2446.2	2191.4
-60°	3975.6	3786.6	3603.8	3402.2	3181.9	2941.8	2731.1	2519.3	2307.3	2105.1	1899.9
-62.5°	3285.9	3127.8	2963.5	2800.0	2632.4	2459.0	2284.5	2121.0	1953.8	1782.4	1631.4
-65°	2634.0	2513.8	2384.2	2271.0	2152.2	2026.8	1886.5	1758.3	1636.8	1511.2	1382.7
-67.5°	2086.8	2001.0	1909.5	1820.2	1738.7	1652.0	1553.4	1449.7	1353.4	1260.4	1165.8
-70°	1637.1	1580.3	1520.8	1455.6	1390.6	1325.2	1252.7	1176.4	1099.1	1029.4	962.7
-72.5°	1256.5	1217.2	1172.1	1125.2	1075.1	1030.6	981.1	929.5	877.2	824.3	774.0
-75°	972.2	943.8	912.8	877.8	835.4	785.1	747.9	722.8	691.2	652.8	610.8
-77.5°	768.9	748.2	726.0	696.1	665.1	633.2	601.6	570.5	539.7	510.6	483.9
-80°	565.8	556.0	543.7	518.9	494.1	469.4	445.9	426.8	408.8	389.1	364.8
-82.5°	332.1	330.9	327.5	313.6	299.7	286.0	272.6	259.2	245.0	230.2	215.2
-85°	107.3	113.1	117.9	120.2	121.6	122.0	121.3	117.8	113.7	109.0	103.9
-87.5°	23.4	23.5	23.6	24.5	25.4	26.1	26.7	28.0	29.1	30.0	30.7
-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: P645497 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	1.5	1.4	1.3	1.3	1.2	1.1	1.0	0.9	1.0	1.1	1.1
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.0	1.9	2.1	2.2	2.3
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.8	3.3	3.4
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.8	3.3	3.8
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.8	3.3	3.9
75°	2.2	2.2	2.2	2.3	2.3	2.2	2.2	2.4	2.9	3.4	3.9
72.5°	2.2	2.2	2.2	2.5	2.8	2.8	2.5	2.4	2.9	3.4	3.9
70°	2.5	2.3	2.2	2.5	3.1	3.5	3.4	3.4	3.0	3.5	4.0
67.5°	3.2	3.3	3.0	3.0	3.1	3.7	4.2	4.9	4.8	3.6	4.0
65°	3.3	3.8	4.5	6.1	5.4	3.7	4.2	8.5	6.8	5.7	4.1
62.5°	7.1	4.0	13.7	18.3	10.3	8.1	6.4	18.9	11.9	8.0	5.8
60°	17.0	13.9	38.2	61.3	42.7	14.4	21.1	32.8	30.1	10.4	8.2
57.5°	159.2	54.7	79.3	114.7	112.6	61.1	44.6	59.5	51.2	29.5	11.5
55°	339.9	286.0	188.8	172.9	186.8	150.8	98.1	96.3	79.0	54.7	18.7
52.5°	466.2	486.6	423.5	295.8	257.6	245.5	191.7	139.7	124.0	82.2	47.5
50°	674.9	628.5	622.2	522.3	361.2	327.0	283.0	218.2	174.0	117.5	80.3
47.5°	953.5	837.5	776.1	731.2	576.4	416.8	371.3	298.5	229.2	169.3	114.7
45°	1362.5	1082.5	963.6	890.9	789.9	586.2	464.6	376.4	298.7	227.3	150.7
42.5°	1773.3	1399.7	1177.8	1060.2	955.2	777.5	564.5	466.2	366.5	286.3	196.3
40°	2135.9	1726.6	1403.0	1251.8	1117.6	962.3	726.2	562.4	432.9	347.1	248.2
37.5°	2572.5	2099.0	1662.1	1452.5	1290.6	1116.7	890.2	662.8	512.7	410.9	300.2
35°	2994.8	2580.9	1952.1	1695.1	1483.2	1274.9	1048.2	781.5	610.7	475.6	352.2
32.5°	3448.2	3034.2	2389.9	1965.9	1682.5	1436.7	1195.9	925.8	709.3	541.2	404.0
30°	3805.2	3332.6	2774.2	2237.0	1899.4	1617.2	1343.4	1064.3	808.1	607.3	456.3
27.5°	3994.4	3590.8	3077.4	2539.2	2143.5	1802.2	1495.3	1196.6	906.8	680.0	510.7
25°	4190.2	3772.6	3294.2	2803.2	2384.6	1998.1	1646.6	1322.8	1014.6	762.0	564.6
22.5°	4424.3	3927.3	3477.0	3012.5	2633.2	2196.7	1805.3	1450.5	1122.3	842.4	617.6
20°	4659.4	4070.9	3657.4	3297.4	2877.1	2411.6	1971.2	1575.1	1223.9	920.7	669.4
17.5°	4906.2	4331.6	3963.6	3575.3	3120.3	2619.8	2134.6	1695.8	1319.3	996.5	719.8
15°	5335.7	4722.0	4272.0	3845.7	3362.2	2820.0	2294.1	1811.8	1408.2	1069.3	766.7
12.5°	5725.6	5085.5	4580.6	4107.2	3600.1	3011.0	2448.0	1922.1	1490.6	1127.4	808.4
10°	6048.3	5422.5	4885.8	4358.2	3831.0	3191.3	2594.6	2012.0	1540.0	1170.7	846.9
7.5°	6312.5	5734.0	5183.2	4597.1	4029.4	3309.1	2668.5	2064.4	1578.3	1207.6	882.0
5°	6503.5	5941.8	5341.3	4680.4	4091.4	3357.5	2718.8	2107.1	1609.2	1238.4	913.5
2.5°	6558.5	6005.7	5400.6	4726.0	4133.4	3388.9	2754.7	2139.7	1633.0	1263.3	941.6
0°	6590.4	6047.8	5437.8	4754.0	4154.8	3403.8	2776.4	2162.1	1649.8	1282.9	966.0
-2.5°	6635.1	6084.0	5473.7	4826.0	4169.0	3449.3	2788.7	2176.7	1671.1	1289.9	980.2
-5°	6657.5	6098.1	5490.8	4874.4	4165.3	3476.5	2787.1	2181.3	1684.9	1292.4	990.6
-7.5°	6647.7	6093.3	5491.5	4889.6	4146.5	3482.7	2772.0	2176.5	1690.5	1290.6	997.1
-10°	6617.7	6068.6	5470.5	4850.4	4129.2	3458.1	2745.0	2162.6	1687.2	1285.0	999.6
-12.5°	6572.1	6022.5	5427.7	4793.9	4093.0	3407.4	2713.2	2138.9	1673.6	1276.1	997.9
-15°	6513.0	5955.3	5362.5	4722.1	4033.5	3339.9	2665.4	2104.5	1647.1	1266.0	992.1
-17.5°	6437.1	5867.7	5274.8	4637.0	3949.8	3256.2	2601.3	2059.7	1613.9	1253.7	980.1
-20°	6301.7	5750.0	5163.3	4540.2	3841.2	3157.1	2520.4	2004.4	1574.4	1236.2	963.0



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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°	6149.4	5604.4	5024.3	4409.7	3710.3	3043.2	2422.7	1938.8	1528.8	1213.4	942.5
-25°	5987.1	5440.4	4862.8	4228.9	3565.6	2922.7	2324.8	1862.8	1477.5	1185.2	918.7
-27.5°	5796.4	5254.6	4679.8	4029.9	3397.7	2783.0	2231.0	1795.4	1427.8	1151.6	891.7
-30°	5582.1	5036.2	4451.0	3817.5	3213.5	2621.4	2125.7	1723.5	1385.8	1114.9	861.5
-32.5°	5336.4	4795.6	4197.5	3600.0	3019.1	2449.9	2009.6	1646.6	1337.3	1075.9	833.6
-35°	5056.8	4515.6	3928.9	3366.6	2813.0	2311.4	1896.0	1565.1	1282.2	1033.8	804.2
-37.5°	4765.5	4215.2	3660.1	3122.8	2594.0	2161.5	1793.8	1484.5	1220.8	988.6	771.8
-40°	4432.9	3906.0	3378.1	2871.7	2404.4	2000.5	1683.3	1405.0	1162.7	940.6	736.2
-42.5°	4090.3	3581.7	3084.0	2606.0	2217.2	1869.3	1567.6	1319.3	1101.4	894.2	697.8
-45°	3720.9	3239.3	2771.2	2382.1	2026.9	1730.5	1466.2	1230.6	1036.0	846.7	657.9
-47.5°	3331.3	2878.4	2487.0	2148.7	1865.0	1591.0	1358.4	1153.8	967.3	795.8	618.1
-50°	2918.5	2542.4	2225.1	1946.0	1690.6	1465.4	1251.0	1073.4	904.3	739.6	576.3
-52.5°	2552.7	2251.3	1988.9	1749.9	1536.8	1333.3	1158.5	990.9	839.5	685.8	532.5
-55°	2239.3	1992.3	1770.8	1571.9	1384.3	1220.1	1062.4	917.7	772.9	631.8	488.3
-57.5°	1968.7	1752.8	1575.5	1402.8	1247.8	1107.8	974.9	842.9	709.0	575.9	453.2
-60°	1708.7	1547.5	1389.8	1250.9	1119.7	1000.9	892.3	768.1	644.4	520.0	414.4
-62.5°	1484.1	1346.5	1227.3	1106.2	997.3	900.4	809.0	694.8	578.1	468.3	372.2
-65°	1273.6	1167.9	1066.4	969.8	879.4	797.3	723.4	619.8	511.6	413.6	328.4
-67.5°	1073.7	994.1	914.4	833.4	762.2	695.7	632.5	538.9	442.1	356.0	284.9
-70°	895.2	827.2	764.7	704.5	646.8	591.4	531.7	452.7	369.5	304.3	240.3
-72.5°	726.6	676.9	625.0	575.5	532.9	484.2	429.3	367.7	309.3	251.7	194.8
-75°	570.6	537.8	501.2	461.9	422.1	378.6	342.4	299.3	248.4	198.1	157.0
-77.5°	456.5	424.5	387.9	356.6	329.9	300.2	267.3	229.8	189.5	154.1	121.3
-80°	336.8	312.3	291.6	273.5	248.9	221.8	194.4	167.2	137.7	110.3	85.0
-82.5°	205.4	200.1	194.4	186.0	165.5	145.3	125.5	106.1	85.2	65.9	54.6
-85°	102.8	100.7	97.6	93.3	80.6	68.3	62.6	56.8	49.7	43.0	36.5
-87.5°	33.8	36.3	38.4	39.9	37.0	34.2	31.3	28.4	24.9	21.5	18.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	0.9	0.7	0.6	0.4	0.2	0.0
85°	2.2	1.9	1.5	1.1	0.8	0.5	0.0
82.5°	3.3	2.8	2.2	1.7	1.1	0.7	0.0
80°	4.3	3.7	3.0	2.2	1.5	0.9	0.0
77.5°	4.3	4.3	3.7	2.8	1.9	1.2	0.0
75°	4.4	4.5	4.3	3.3	2.3	1.4	0.0
72.5°	4.4	4.6	4.5	3.9	2.6	1.6	0.0
70°	4.5	4.8	4.7	4.3	3.0	1.9	0.0
67.5°	5.1	5.0	5.0	4.6	3.4	2.1	0.0
65°	5.8	5.7	5.2	4.8	3.8	2.3	0.0
62.5°	6.8	7.1	5.4	5.0	4.2	2.6	0.0
60°	8.0	8.7	5.7	5.2	4.6	2.8	0.0
57.5°	14.8	10.4	7.3	5.5	4.8	3.0	0.0
55°	23.7	12.3	9.2	5.7	5.1	3.2	0.0
52.5°	33.9	15.8	11.1	5.9	5.3	3.4	0.0
50°	45.8	26.9	13.1	6.2	5.6	3.6	0.0
47.5°	61.6	38.9	15.2	6.8	5.8	3.8	0.0
45°	92.9	51.8	17.3	8.4	6.1	4.0	0.0
42.5°	125.0	65.4	19.6	10.1	6.4	4.2	0.0
40°	157.7	79.9	26.3	12.2	6.7	4.4	0.0
37.5°	191.2	95.1	37.6	14.8	7.0	4.6	0.0
35°	225.1	118.2	49.1	17.7	7.2	4.8	0.0
32.5°	261.9	144.9	60.8	20.9	7.5	5.0	0.0
30°	304.0	171.5	72.5	24.3	7.8	5.2	0.0
27.5°	345.3	197.7	87.0	28.0	8.1	5.3	0.0
25°	385.5	223.6	101.8	31.9	8.4	5.5	0.0
22.5°	424.6	249.9	116.7	35.9	8.7	5.6	0.0
20°	462.4	278.2	131.3	40.0	9.0	5.8	0.0
17.5°	499.7	305.5	145.8	44.2	9.2	5.9	0.0
15°	535.7	331.8	159.8	48.5	9.5	6.0	0.0
12.5°	569.2	356.8	173.4	52.7	9.8	6.1	0.0
10°	600.4	380.5	186.5	56.8	10.0	6.2	0.0
7.5°	629.0	402.6	198.8	60.9	10.3	6.3	0.0
5°	655.1	423.0	210.2	64.7	10.5	6.4	0.0
2.5°	678.4	441.5	220.7	68.3	10.7	6.4	0.0
0°	699.0	458.0	230.1	71.6	10.9	6.5	0.0
-2.5°	709.2	468.4	238.9	76.3	12.6	6.9	0.0
-5°	716.7	476.7	246.3	80.6	14.3	7.2	0.0
-7.5°	721.5	482.7	252.4	84.4	15.9	7.6	0.0
-10°	723.6	486.4	257.0	87.7	17.4	7.9	0.0
-12.5°	723.2	488.0	260.1	90.5	18.9	8.2	0.0
-15°	720.4	487.3	261.5	92.8	20.3	8.5	0.0
-17.5°	715.1	484.3	261.4	94.4	21.6	8.7	0.0
-20°	706.9	479.2	259.5	95.4	22.8	8.9	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	695.1	471.9	255.8	95.6	23.9	9.1	0.0
-25°	680.6	460.6	250.4	95.2	24.9	9.2	0.0
-27.5°	663.3	446.4	243.1	94.0	25.7	9.3	0.0
-30°	643.3	430.3	233.9	92.1	26.4	9.4	0.0
-32.5°	620.6	412.3	223.3	89.4	26.9	9.4	0.0
-35°	596.1	392.5	211.5	85.9	27.2	9.4	0.0
-37.5°	569.7	372.5	198.4	81.6	27.4	9.4	0.0
-40°	541.3	354.4	184.2	76.5	27.4	9.3	0.0
-42.5°	510.9	335.0	173.5	71.0	27.3	9.1	0.0
-45°	478.6	314.4	166.1	65.5	27.0	8.9	0.0
-47.5°	444.4	292.6	157.5	59.1	26.5	8.7	0.0
-50°	415.9	269.6	147.5	57.0	25.8	8.5	0.0
-52.5°	387.4	245.6	136.3	55.9	25.0	8.2	0.0
-55°	357.7	227.4	123.8	54.1	24.0	7.8	0.0
-57.5°	326.9	208.9	110.1	51.8	22.9	7.4	0.0
-60°	295.7	188.7	95.8	48.9	21.6	7.0	0.0
-62.5°	267.2	166.9	89.0	45.4	20.2	6.6	0.0
-65°	236.6	143.6	81.3	41.4	18.8	6.1	0.0
-67.5°	204.0	124.1	72.6	37.0	17.3	5.6	0.0
-70°	169.8	108.6	63.2	32.1	15.6	5.0	0.0
-72.5°	143.6	92.0	53.0	28.2	13.9	4.4	0.0
-75°	117.4	74.3	42.2	24.5	12.1	3.9	0.0
-77.5°	89.9	55.7	34.8	20.7	10.2	3.2	0.0
-80°	61.3	42.5	28.2	16.7	8.2	2.6	0.0
-82.5°	45.0	32.1	21.3	12.6	6.2	2.0	0.0
-85°	30.2	21.5	14.3	8.5	4.1	1.3	0.0
-87.5°	15.2	10.8	7.2	4.2	2.1	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)