

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: P645542 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5E-735-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645542 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5E-735-U-LAM-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

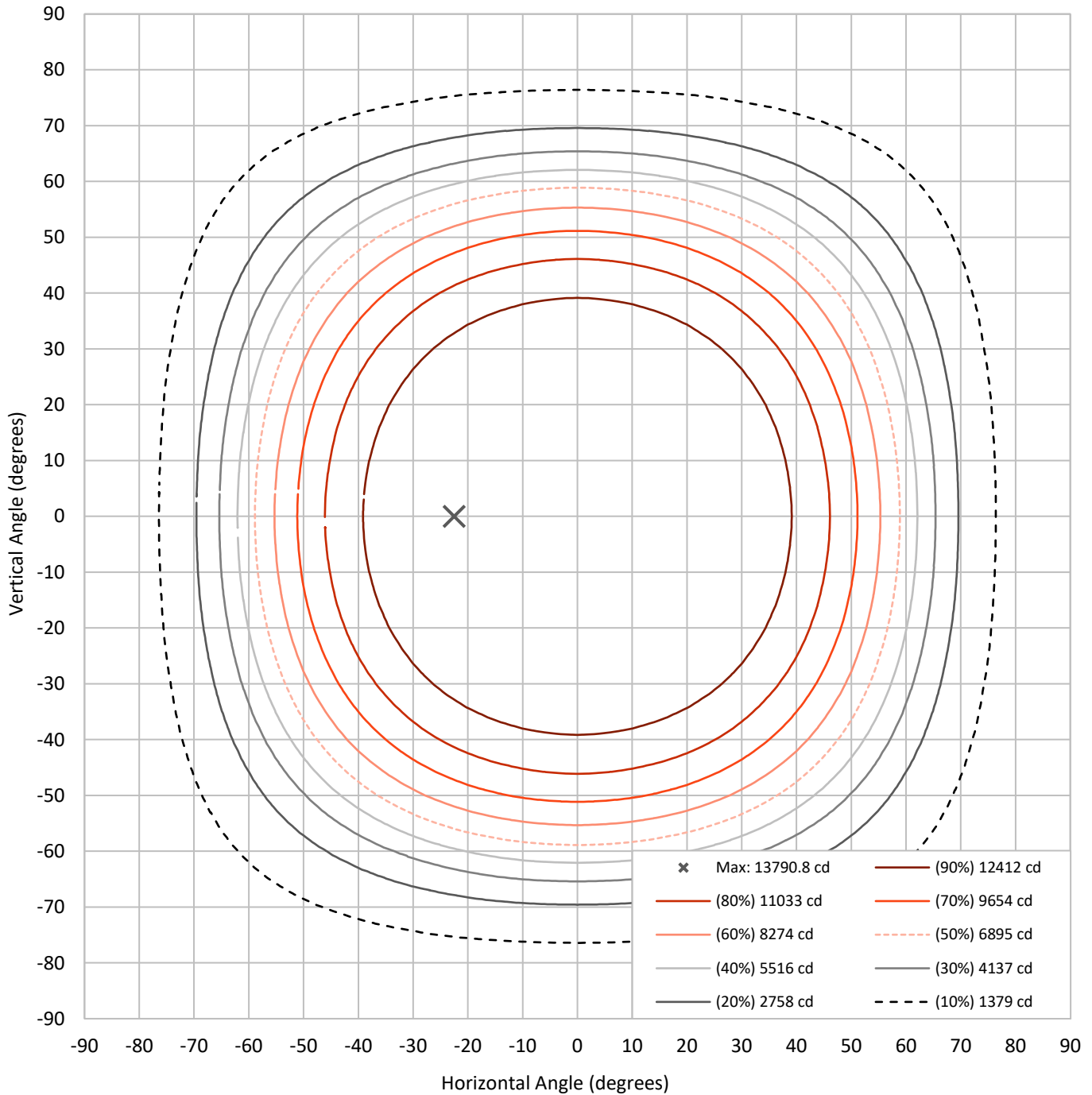
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	42187 lumens	Max Intensity:	13790.8 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	134.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	35108.8 lumens	Field Lumens:	41357.3 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	313.7		
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





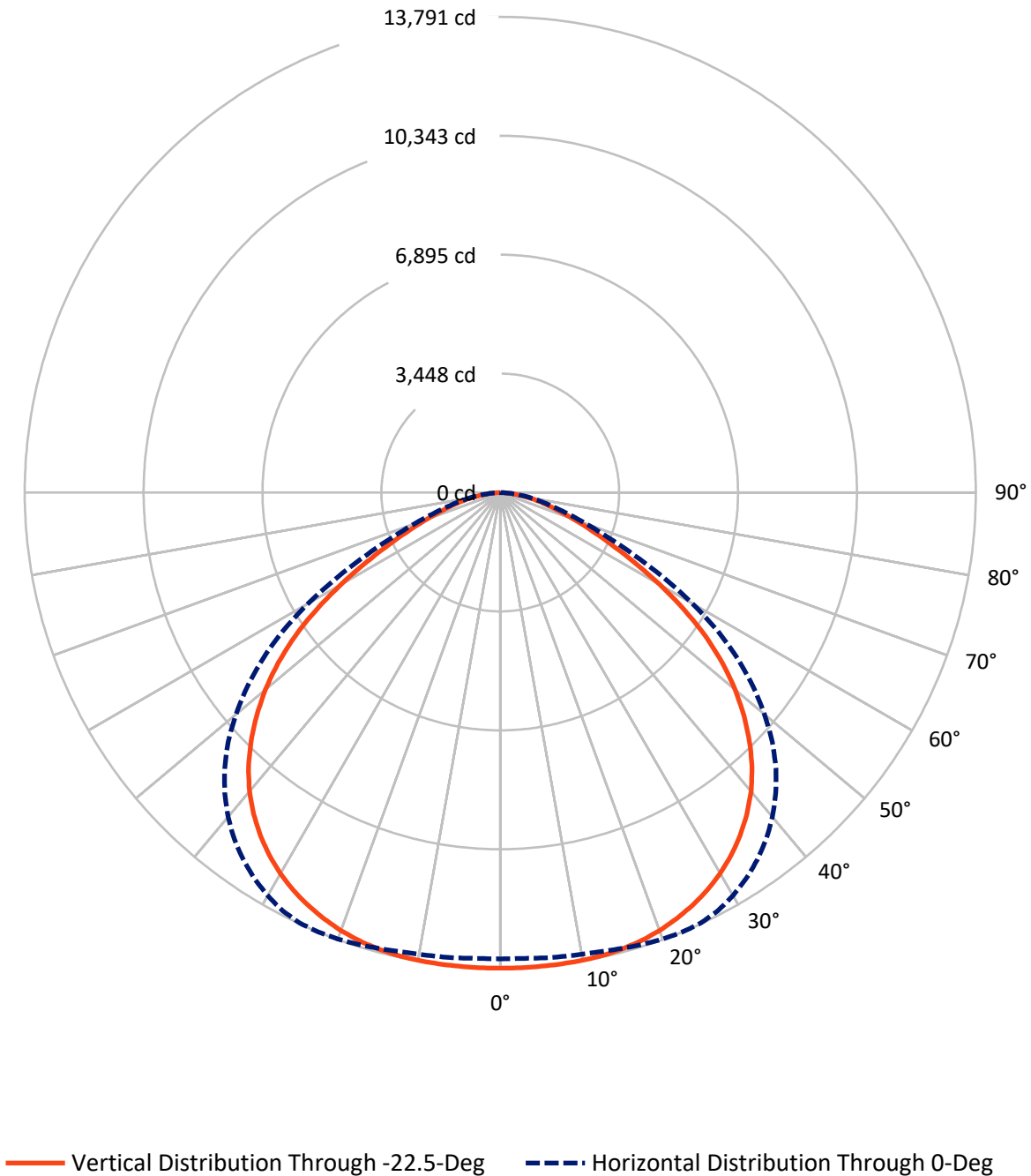
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Lumen Table

90																			
80	2.1	21.9	61.8	102.8	120.4	102.8	61.8	21.9	2.1										
70																			
60	10.4	12.3	25.7	44.8	69.3	95.7	118.3	130.8	130.8	118.3	95.7	69.3	44.8	25.7	12.3				10.4
50																			
40	19.7	19.1	43.8	84.8	138.6	190.8	229.7	250.3	250.3	229.7	190.8	138.6	84.8	43.8	19.1				19.7
30																			
20	27.0	27.2	69.2	137.8	211.3	272.8	316.3	338.6	338.6	316.3	272.8	211.3	137.8	69.2	27.2				27.0
10																			
0	29.8	36.5	97.9	182.8	262.7	326.6	369.6	391.0	391.0	369.6	326.6	262.7	182.8	97.9	36.5				29.8
-10																			
-20	27.0	45.7	121.8	213.4	295.4	357.7	397.3	415.0	415.0	397.3	357.7	295.4	213.4	121.8	45.7				27.0
-30																			
-40	19.7	53.1	137.6	232.2	313.7	372.9	404.4	415.2	415.2	404.4	372.9	313.7	232.2	137.6	53.1				19.7
-50																			
-60	10.4	56.9	145.3	241.0	321.8	377.6	402.6	411.4	411.4	402.6	377.6	321.8	241.0	145.3	56.9				10.4
-70																			
-80	2.1	56.9	145.3	241.0	321.8	377.6	402.6	411.4	411.4	402.6	377.6	321.8	241.0	145.3	56.9				2.1
-90																			

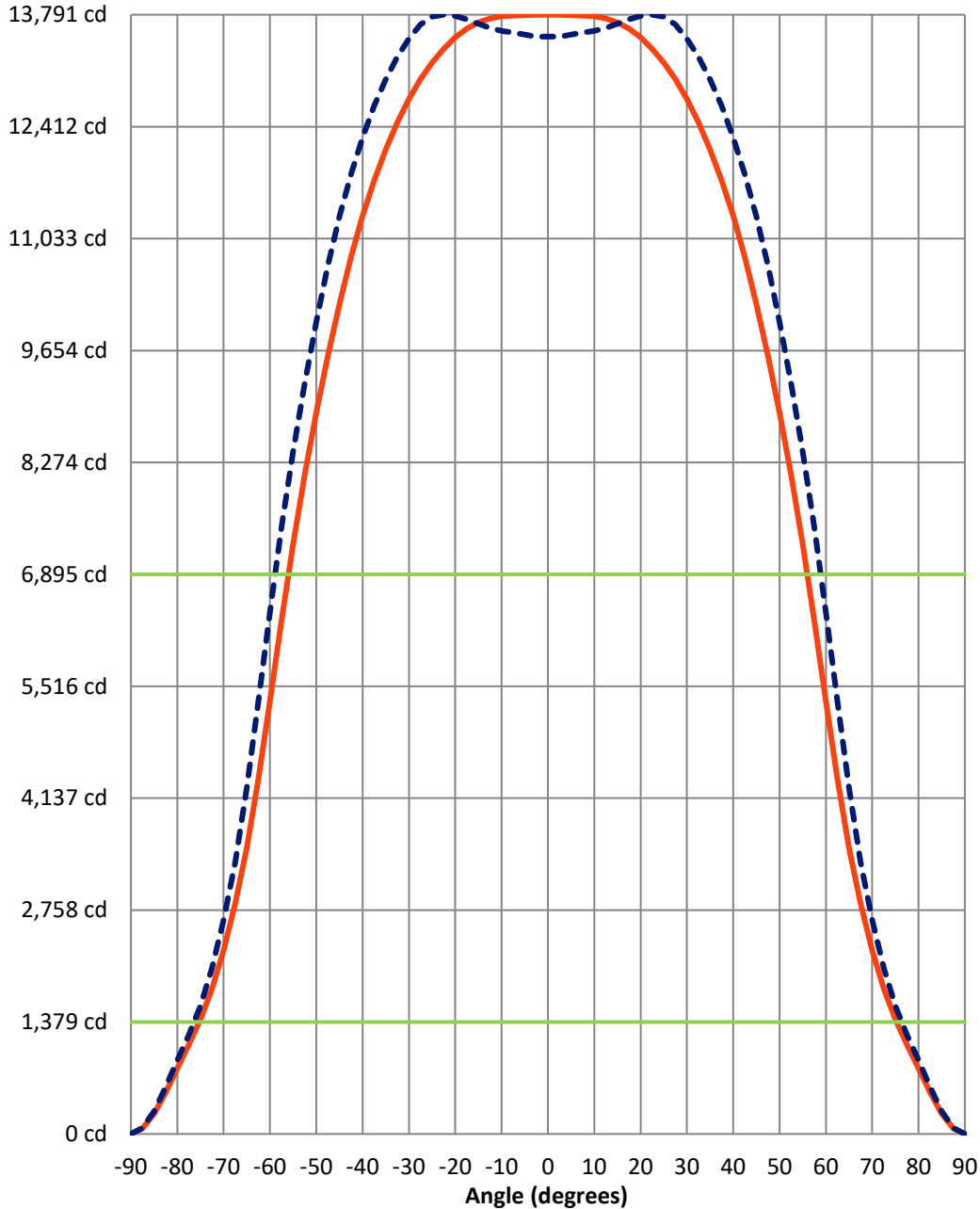
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 35108.8
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 41357.3
 Efficiency: 98.0%

Spill:
 Lumens: 829.7
 Efficiency: 2.0%

— Vertical Distribution through -22.5-Deg
 - - Horizontal Distribution through 0-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	3.3	6.6	9.8	13.1	16.3	19.5	22.7	25.8	28.8	31.9
85°	0.0	6.6	13.1	19.7	26.2	32.6	39.0	45.3	51.5	57.6	63.7
82.5°	0.0	9.8	19.7	29.4	39.2	48.8	58.4	67.8	80.2	105.2	129.8
80°	0.0	13.1	26.2	39.2	52.1	65.0	81.6	115.9	149.7	182.9	215.6
77.5°	0.0	16.3	32.6	48.8	65.0	90.6	133.8	176.5	218.7	260.2	310.3
75°	0.0	19.5	39.0	58.4	81.6	133.8	185.5	236.6	290.0	362.4	433.5
72.5°	0.0	22.7	45.3	67.8	115.9	176.5	236.6	303.1	388.5	472.8	555.6
70°	0.0	25.8	51.5	80.2	149.7	218.7	290.0	388.5	485.9	582.1	686.1
67.5°	0.0	28.8	57.6	105.2	182.9	260.2	362.4	472.8	582.1	700.6	817.2
65°	0.0	31.9	63.7	129.8	215.6	310.3	433.5	555.6	686.1	817.2	944.5
62.5°	0.0	34.8	69.6	153.8	247.7	368.5	503.4	642.7	788.1	930.6	1065.6
60°	0.0	37.7	75.3	177.3	279.0	425.5	571.7	730.3	888.1	1037.8	1184.4
57.5°	0.0	40.5	90.5	200.3	322.9	481.2	644.3	815.9	982.3	1142.5	1311.2
55°	0.0	43.2	105.4	222.6	366.2	535.3	715.9	899.3	1073.2	1247.8	1439.9
52.5°	0.0	45.9	119.8	244.3	408.3	588.8	785.3	977.1	1161.6	1360.6	1565.2
50°	0.0	48.5	133.8	265.2	449.0	644.8	852.6	1052.0	1250.7	1470.0	1721.0
47.5°	0.0	50.9	147.3	287.7	488.2	698.9	917.1	1124.4	1344.7	1575.9	1875.7
45°	0.0	53.3	160.2	315.9	526.0	750.9	976.8	1194.1	1435.2	1709.2	2025.0
42.5°	0.0	55.6	172.6	343.0	562.1	800.7	1034.0	1266.2	1522.1	1838.0	2200.9
40°	0.0	57.8	184.4	368.9	598.4	848.3	1088.6	1338.7	1613.6	1961.2	2374.8
37.5°	0.0	59.8	195.6	393.4	634.5	893.5	1140.5	1407.6	1717.5	2087.2	2540.5
35°	0.0	61.8	206.2	416.6	668.6	935.0	1189.6	1472.9	1815.9	2227.9	2709.6
32.5°	0.0	63.6	216.2	438.4	700.6	973.3	1237.6	1534.3	1908.6	2360.5	2887.5
30°	0.0	65.3	225.5	458.7	730.6	1009.2	1286.7	1596.1	1995.4	2484.8	3054.2
27.5°	0.0	66.9	234.1	477.6	758.4	1042.5	1332.2	1666.2	2084.0	2600.4	3209.3
25°	0.0	68.3	242.1	495.0	783.9	1073.1	1374.1	1730.8	2178.0	2720.7	3354.3
22.5°	0.0	69.7	249.3	510.8	807.2	1101.0	1412.3	1789.7	2263.7	2837.4	3523.6
20°	0.0	70.9	255.8	525.1	828.2	1126.2	1446.7	1842.8	2341.1	2942.7	3676.5
17.5°	0.0	71.9	261.6	537.7	846.8	1148.5	1477.3	1889.9	2409.8	3036.3	3812.5
15°	0.0	72.8	266.6	548.7	863.0	1167.9	1503.9	1931.0	2469.7	3117.9	3931.1
12.5°	0.0	73.6	270.8	558.0	876.8	1184.4	1526.5	1966.0	2520.7	3187.4	4032.2
10°	0.0	74.3	274.3	565.7	888.1	1198.0	1545.1	1994.7	2562.6	3244.5	4115.3
7.5°	0.0	74.8	277.1	571.7	896.9	1208.6	1559.6	2017.1	2595.3	3289.1	4180.2
5°	0.0	75.1	279.0	576.0	903.2	1216.1	1570.0	2033.1	2618.7	3321.0	4226.7
2.5°	0.0	75.3	280.2	578.5	907.0	1220.7	1576.2	2042.8	2632.8	3340.2	4254.7
0°	0.0	75.4	280.6	579.4	908.3	1222.2	1578.3	2046.0	2637.5	3346.6	4264.0
-2.5°	0.0	75.3	280.2	578.5	907.0	1220.7	1576.2	2042.8	2632.8	3340.2	4254.7
-5°	0.0	75.1	279.0	576.0	903.2	1216.1	1570.0	2033.1	2618.7	3321.0	4226.7
-7.5°	0.0	74.8	277.1	571.7	896.9	1208.6	1559.6	2017.1	2595.3	3289.1	4180.2
-10°	0.0	74.3	274.3	565.7	888.1	1198.0	1545.1	1994.7	2562.6	3244.5	4115.3
-12.5°	0.0	73.6	270.8	558.0	876.8	1184.4	1526.5	1966.0	2520.7	3187.4	4032.2
-15°	0.0	72.8	266.6	548.7	863.0	1167.9	1503.9	1931.0	2469.7	3117.9	3931.1
-17.5°	0.0	71.9	261.6	537.7	846.8	1148.5	1477.3	1889.9	2409.8	3036.3	3812.5
-20°	0.0	70.9	255.8	525.1	828.2	1126.2	1446.7	1842.8	2341.1	2942.7	3676.5

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	69.7	249.3	510.8	807.2	1101.0	1412.3	1789.7	2263.7	2837.4	3523.6
-25°	0.0	68.3	242.1	495.0	783.9	1073.1	1374.1	1730.8	2178.0	2720.7	3354.3
-27.5°	0.0	66.9	234.1	477.6	758.4	1042.5	1332.2	1666.2	2084.0	2600.4	3209.3
-30°	0.0	65.3	225.5	458.7	730.6	1009.2	1286.7	1596.1	1995.4	2484.8	3054.2
-32.5°	0.0	63.6	216.2	438.4	700.6	973.3	1237.6	1534.3	1908.6	2360.5	2887.5
-35°	0.0	61.8	206.2	416.6	668.6	935.0	1189.6	1472.9	1815.9	2227.9	2709.6
-37.5°	0.0	59.8	195.6	393.4	634.5	893.5	1140.5	1407.6	1717.5	2087.2	2540.5
-40°	0.0	57.8	184.4	368.9	598.4	848.3	1088.6	1338.7	1613.6	1961.2	2374.8
-42.5°	0.0	55.6	172.6	343.0	562.1	800.7	1034.0	1266.2	1522.1	1838.0	2200.9
-45°	0.0	53.3	160.2	315.9	526.0	750.9	976.8	1194.1	1435.2	1709.2	2025.0
-47.5°	0.0	50.9	147.3	287.7	488.2	698.9	917.1	1124.4	1344.7	1575.9	1875.7
-50°	0.0	48.5	133.8	265.2	449.0	644.8	852.6	1052.0	1250.7	1470.0	1721.0
-52.5°	0.0	45.9	119.8	244.3	408.3	588.8	785.3	977.1	1161.6	1360.6	1565.2
-55°	0.0	43.2	105.4	222.6	366.2	535.3	715.9	899.3	1073.2	1247.8	1439.9
-57.5°	0.0	40.5	90.5	200.3	322.9	481.2	644.3	815.9	982.3	1142.5	1311.2
-60°	0.0	37.7	75.3	177.3	279.0	425.5	571.7	730.3	888.1	1037.8	1184.4
-62.5°	0.0	34.8	69.6	153.8	247.7	368.5	503.4	642.7	788.1	930.6	1065.6
-65°	0.0	31.9	63.7	129.8	215.6	310.3	433.5	555.6	686.1	817.2	944.5
-67.5°	0.0	28.8	57.6	105.2	182.9	260.2	362.4	472.8	582.1	700.6	817.2
-70°	0.0	25.8	51.5	80.2	149.7	218.7	290.0	388.5	485.9	582.1	686.1
-72.5°	0.0	22.7	45.3	67.8	115.9	176.5	236.6	303.1	388.5	472.8	555.6
-75°	0.0	19.5	39.0	58.4	81.6	133.8	185.5	236.6	290.0	362.4	433.5
-77.5°	0.0	16.3	32.6	48.8	65.0	90.6	133.8	176.5	218.7	260.2	310.3
-80°	0.0	13.1	26.2	39.2	52.1	65.0	81.6	115.9	149.7	182.9	215.6
-82.5°	0.0	9.8	19.7	29.4	39.2	48.8	58.4	67.8	80.2	105.2	129.8
-85°	0.0	6.6	13.1	19.7	26.2	32.6	39.0	45.3	51.5	57.6	63.7
-87.5°	0.0	3.3	6.6	9.8	13.1	16.3	19.5	22.7	25.8	28.8	31.9
-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°	34.8	37.7	40.5	43.2	45.9	48.5	50.9	53.3	55.6	57.8	59.8
85°	69.6	75.3	90.5	105.4	119.8	133.8	147.3	160.2	172.6	184.4	195.6
82.5°	153.8	177.3	200.3	222.6	244.3	265.2	287.7	315.9	343.0	368.9	393.4
80°	247.7	279.0	322.9	366.2	408.3	449.0	488.2	526.0	562.1	598.4	634.5
77.5°	368.5	425.5	481.2	535.3	588.8	644.8	698.9	750.9	800.7	848.3	893.5
75°	503.4	571.7	644.3	715.9	785.3	852.6	917.1	976.8	1034.0	1088.6	1140.5
72.5°	642.7	730.3	815.9	899.3	977.1	1052.0	1124.4	1194.1	1266.2	1338.7	1407.6
70°	788.1	888.1	982.3	1073.2	1161.6	1250.7	1344.7	1435.2	1522.1	1613.6	1717.5
67.5°	930.6	1037.8	1142.5	1247.8	1360.6	1470.0	1575.9	1709.2	1838.0	1961.2	2087.2
65°	1065.6	1184.4	1311.2	1439.9	1565.2	1721.0	1875.7	2025.0	2200.9	2374.8	2540.5
62.5°	1198.4	1343.1	1487.8	1645.3	1826.3	2002.2	2206.2	2414.3	2614.7	2840.3	3060.0
60°	1343.1	1503.9	1687.5	1889.9	2098.3	2341.1	2576.6	2837.4	3100.3	3354.3	3666.1
57.5°	1487.8	1687.5	1911.2	2152.4	2422.7	2695.5	3001.8	3298.2	3653.8	4009.0	4362.4
55°	1645.3	1889.9	2152.4	2450.0	2761.3	3101.2	3456.4	3870.4	4271.2	4717.6	5145.2
52.5°	1826.3	2098.3	2422.7	2761.3	3134.4	3543.2	4001.6	4475.6	4974.9	5459.6	5935.2
50°	2002.2	2341.1	2695.5	3101.2	3543.2	4045.5	4578.6	5130.7	5675.7	6207.4	6705.4
47.5°	2206.2	2576.6	3001.8	3456.4	4001.6	4578.6	5182.8	5784.5	6372.4	6917.8	7440.2
45°	2414.3	2837.4	3298.2	3870.4	4475.6	5130.7	5784.5	6427.7	7024.9	7588.5	8081.6
42.5°	2614.7	3100.3	3653.8	4271.2	4974.9	5675.7	6372.4	7024.9	7636.8	8179.6	8674.9
40°	2840.3	3354.3	4009.0	4717.6	5459.6	6207.4	6917.8	7588.5	8179.6	8720.0	9221.6
37.5°	3060.0	3666.1	4362.4	5145.2	5935.2	6705.4	7440.2	8081.6	8674.9	9221.6	9702.6
35°	3268.6	3962.4	4737.9	5559.6	6389.0	7172.0	7887.3	8540.3	9129.7	9660.2	10152.0
32.5°	3500.5	4242.6	5093.2	5957.8	6802.5	7599.8	8308.9	8947.6	9533.6	10072.3	10560.8
30°	3739.6	4544.7	5430.5	6332.8	7190.8	7970.7	8678.6	9325.3	9906.7	10438.8	10917.6
27.5°	3962.4	4829.7	5752.3	6672.1	7545.5	8318.6	9016.9	9653.6	10238.3	10774.0	11238.1
25°	4168.2	5093.2	6050.2	6982.7	7844.2	8619.1	9323.6	9959.9	10541.3	11055.4	11506.5
22.5°	4371.4	5334.6	6323.2	7267.7	8118.6	8887.6	9585.8	10223.7	10805.5	11314.8	11747.6
20°	4568.8	5559.6	6564.0	7520.4	8367.6	9131.6	9824.4	10461.2	11027.4	11520.6	11951.4
17.5°	4744.6	5760.0	6774.6	7724.5	8572.3	9340.0	10035.6	10674.5	11227.2	11706.2	12127.4
15°	4898.1	5935.2	6958.9	7903.2	8748.4	9513.0	10208.7	10840.6	11389.5	11864.6	12282.8
12.5°	5028.9	6084.5	7116.1	8055.7	8898.9	9661.2	10357.0	10980.2	11519.8	11988.7	12398.0
10°	5136.5	6207.4	7245.6	8181.5	9023.1	9783.5	10479.7	11095.7	11627.8	12091.9	12493.9
7.5°	5220.6	6303.5	7346.9	8280.0	9120.3	9879.4	10575.9	11186.5	11712.8	12173.2	12569.5
5°	5280.9	6372.4	7419.5	8350.6	9190.1	9948.2	10645.1	11251.8	11774.0	12231.8	12624.2
2.5°	5317.1	6413.9	7463.2	8393.1	9232.2	9989.7	10686.8	11291.1	11811.0	12267.2	12657.2
0°	5329.2	6427.7	7477.8	8407.3	9246.2	10003.6	10700.7	11304.3	11823.3	12279.0	12668.3
-2.5°	5317.1	6413.9	7463.2	8393.1	9232.2	9989.7	10686.8	11291.1	11811.0	12267.2	12657.2
-5°	5280.9	6372.4	7419.5	8350.6	9190.1	9948.2	10645.1	11251.8	11774.0	12231.8	12624.2
-7.5°	5220.6	6303.5	7346.9	8280.0	9120.3	9879.4	10575.9	11186.5	11712.8	12173.2	12569.5
-10°	5136.5	6207.4	7245.6	8181.5	9023.1	9783.5	10479.7	11095.7	11627.8	12091.9	12493.9
-12.5°	5028.9	6084.5	7116.1	8055.7	8898.9	9661.2	10357.0	10980.2	11519.8	11988.7	12398.0
-15°	4898.1	5935.2	6958.9	7903.2	8748.4	9513.0	10208.7	10840.6	11389.5	11864.6	12282.8
-17.5°	4744.6	5760.0	6774.6	7724.5	8572.3	9340.0	10035.6	10674.5	11227.2	11706.2	12127.4
-20°	4568.8	5559.6	6564.0	7520.4	8367.6	9131.6	9824.4	10461.2	11027.4	11520.6	11951.4



REPORT NUMBER: P645542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	4371.4	5334.6	6323.2	7267.7	8118.6	8887.6	9585.8	10223.7	10805.5	11314.8	11747.6
-25°	4168.2	5093.2	6050.2	6982.7	7844.2	8619.1	9323.6	9959.9	10541.3	11055.4	11506.5
-27.5°	3962.4	4829.7	5752.3	6672.1	7545.5	8318.6	9016.9	9653.6	10238.3	10774.0	11238.1
-30°	3739.6	4544.7	5430.5	6332.8	7190.8	7970.7	8678.6	9325.3	9906.7	10438.8	10917.6
-32.5°	3500.5	4242.6	5093.2	5957.8	6802.5	7599.8	8308.9	8947.6	9533.6	10072.3	10560.8
-35°	3268.6	3962.4	4737.9	5559.6	6389.0	7172.0	7887.3	8540.3	9129.7	9660.2	10152.0
-37.5°	3060.0	3666.1	4362.4	5145.2	5935.2	6705.4	7440.2	8081.6	8674.9	9221.6	9702.6
-40°	2840.3	3354.3	4009.0	4717.6	5459.6	6207.4	6917.8	7588.5	8179.6	8720.0	9221.6
-42.5°	2614.7	3100.3	3653.8	4271.2	4974.9	5675.7	6372.4	7024.9	7636.8	8179.6	8674.9
-45°	2414.3	2837.4	3298.2	3870.4	4475.6	5130.7	5784.5	6427.7	7024.9	7588.5	8081.6
-47.5°	2206.2	2576.6	3001.8	3456.4	4001.6	4578.6	5182.8	5784.5	6372.4	6917.8	7440.2
-50°	2002.2	2341.1	2695.5	3101.2	3543.2	4045.5	4578.6	5130.7	5675.7	6207.4	6705.4
-52.5°	1826.3	2098.3	2422.7	2761.3	3134.4	3543.2	4001.6	4475.6	4974.9	5459.6	5935.2
-55°	1645.3	1889.9	2152.4	2450.0	2761.3	3101.2	3456.4	3870.4	4271.2	4717.6	5145.2
-57.5°	1487.8	1687.5	1911.2	2152.4	2422.7	2695.5	3001.8	3298.2	3653.8	4009.0	4362.4
-60°	1343.1	1503.9	1687.5	1889.9	2098.3	2341.1	2576.6	2837.4	3100.3	3354.3	3666.1
-62.5°	1198.4	1343.1	1487.8	1645.3	1826.3	2002.2	2206.2	2414.3	2614.7	2840.3	3060.0
-65°	1065.6	1184.4	1311.2	1439.9	1565.2	1721.0	1875.7	2025.0	2200.9	2374.8	2540.5
-67.5°	930.6	1037.8	1142.5	1247.8	1360.6	1470.0	1575.9	1709.2	1838.0	1961.2	2087.2
-70°	788.1	888.1	982.3	1073.2	1161.6	1250.7	1344.7	1435.2	1522.1	1613.6	1717.5
-72.5°	642.7	730.3	815.9	899.3	977.1	1052.0	1124.4	1194.1	1266.2	1338.7	1407.6
-75°	503.4	571.7	644.3	715.9	785.3	852.6	917.1	976.8	1034.0	1088.6	1140.5
-77.5°	368.5	425.5	481.2	535.3	588.8	644.8	698.9	750.9	800.7	848.3	893.5
-80°	247.7	279.0	322.9	366.2	408.3	449.0	488.2	526.0	562.1	598.4	634.5
-82.5°	153.8	177.3	200.3	222.6	244.3	265.2	287.7	315.9	343.0	368.9	393.4
-85°	69.6	75.3	90.5	105.4	119.8	133.8	147.3	160.2	172.6	184.4	195.6
-87.5°	34.8	37.7	40.5	43.2	45.9	48.5	50.9	53.3	55.6	57.8	59.8
-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: P645542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-735-U-LAM-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°	61.8	63.6	65.3	66.9	68.3	69.7	70.9	71.9	72.8	73.6	74.3
85°	206.2	216.2	225.5	234.1	242.1	249.3	255.8	261.6	266.6	270.8	274.3
82.5°	416.6	438.4	458.7	477.6	495.0	510.8	525.1	537.7	548.7	558.0	565.7
80°	668.6	700.6	730.6	758.4	783.9	807.2	828.2	846.8	863.0	876.8	888.1
77.5°	935.0	973.3	1009.2	1042.5	1073.1	1101.0	1126.2	1148.5	1167.9	1184.4	1198.0
75°	1189.6	1237.6	1286.7	1332.2	1374.1	1412.3	1446.7	1477.3	1503.9	1526.5	1545.1
72.5°	1472.9	1534.3	1596.1	1666.2	1730.8	1789.7	1842.8	1889.9	1931.0	1966.0	1994.7
70°	1815.9	1908.6	1995.4	2084.0	2178.0	2263.7	2341.1	2409.8	2469.7	2520.7	2562.6
67.5°	2227.9	2360.5	2484.8	2600.4	2720.7	2837.4	2942.7	3036.3	3117.9	3187.4	3244.5
65°	2709.6	2887.5	3054.2	3209.3	3354.3	3523.6	3676.5	3812.5	3931.1	4032.2	4115.3
62.5°	3268.6	3500.5	3739.6	3962.4	4168.2	4371.4	4568.8	4744.6	4898.1	5028.9	5136.5
60°	3962.4	4242.6	4544.7	4829.7	5093.2	5334.6	5559.6	5760.0	5935.2	6084.5	6207.4
57.5°	4737.9	5093.2	5430.5	5752.3	6050.2	6323.2	6564.0	6774.6	6958.9	7116.1	7245.6
55°	5559.6	5957.8	6332.8	6672.1	6982.7	7267.7	7520.4	7724.5	7903.2	8055.7	8181.5
52.5°	6389.0	6802.5	7190.8	7545.5	7844.2	8118.6	8367.6	8572.3	8748.4	8898.9	9023.1
50°	7172.0	7599.8	7970.7	8318.6	8619.1	8887.6	9131.6	9340.0	9513.0	9661.2	9783.5
47.5°	7887.3	8308.9	8678.6	9016.9	9323.6	9585.8	9824.4	10035.6	10208.7	10357.0	10479.7
45°	8540.3	8947.6	9325.3	9653.6	9959.9	10223.7	10461.2	10674.5	10840.6	10980.2	11095.7
42.5°	9129.7	9533.6	9906.7	10238.3	10541.3	10805.5	11027.4	11227.2	11389.5	11519.8	11627.8
40°	9660.2	10072.3	10438.8	10774.0	11055.4	11314.8	11520.6	11706.2	11864.6	11988.7	12091.9
37.5°	10152.0	10560.8	10917.6	11238.1	11506.5	11747.6	11951.4	12127.4	12282.8	12398.0	12493.9
35°	10601.7	10990.1	11343.0	11636.8	11902.9	12130.0	12330.6	12493.0	12637.4	12747.1	12834.6
32.5°	10990.1	11375.2	11702.9	11992.1	12251.9	12463.8	12656.2	12804.9	12935.9	13041.6	13122.8
30°	11343.0	11702.9	12022.1	12308.6	12545.3	12751.7	12924.9	13070.2	13191.2	13291.9	13363.4
27.5°	11636.8	11992.1	12308.6	12572.7	12799.3	12998.0	13156.5	13296.3	13402.0	13494.7	13556.1
25°	11902.9	12251.9	12545.3	12799.3	13019.1	13200.5	13351.4	13478.1	13571.8	13651.2	13696.9
22.5°	12130.0	12463.8	12751.7	12998.0	13200.5	13370.1	13512.3	13619.5	13696.2	13744.3	13771.4
20°	12330.6	12656.2	12924.9	13156.5	13351.4	13512.3	13635.7	13715.0	13768.5	13781.7	13789.4
17.5°	12493.0	12804.9	13070.2	13296.3	13478.1	13619.5	13715.0	13771.0	13787.0	13784.1	13776.2
15°	12637.4	12935.9	13191.2	13402.0	13571.8	13696.2	13768.5	13787.0	13782.3	13766.1	13741.3
12.5°	12747.1	13041.6	13291.9	13494.7	13651.2	13744.3	13781.7	13784.1	13766.1	13735.3	13700.0
10°	12834.6	13122.8	13363.4	13556.1	13696.9	13771.4	13789.4	13776.2	13741.3	13700.0	13660.9
7.5°	12903.7	13187.2	13420.2	13605.2	13726.8	13779.7	13783.6	13758.7	13716.8	13669.9	13627.6
5°	12953.8	13234.0	13461.6	13641.0	13748.8	13785.8	13779.3	13745.0	13696.4	13647.4	13608.6
2.5°	12984.1	13262.3	13486.7	13662.8	13762.2	13789.5	13776.6	13736.4	13683.6	13632.9	13596.1
0°	12994.2	13271.8	13495.1	13670.1	13766.7	13790.8	13775.7	13733.5	13679.2	13627.9	13591.7
-2.5°	12984.1	13262.3	13486.7	13662.8	13762.2	13789.5	13776.6	13736.4	13683.6	13632.9	13596.1
-5°	12953.8	13234.0	13461.6	13641.0	13748.8	13785.8	13779.3	13745.0	13696.4	13647.4	13608.6
-7.5°	12903.7	13187.2	13420.2	13605.2	13726.8	13779.7	13783.6	13758.7	13716.8	13669.9	13627.6
-10°	12834.6	13122.8	13363.4	13556.1	13696.9	13771.4	13789.4	13776.2	13741.3	13700.0	13660.9
-12.5°	12747.1	13041.6	13291.9	13494.7	13651.2	13744.3	13781.7	13784.1	13766.1	13735.3	13700.0
-15°	12637.4	12935.9	13191.2	13402.0	13571.8	13696.2	13768.5	13787.0	13782.3	13766.1	13741.3
-17.5°	12493.0	12804.9	13070.2	13296.3	13478.1	13619.5	13715.0	13771.0	13787.0	13784.1	13776.2
-20°	12330.6	12656.2	12924.9	13156.5	13351.4	13512.3	13635.7	13715.0	13768.5	13781.7	13789.4



REPORT NUMBER: P645542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12130.0	12463.8	12751.7	12998.0	13200.5	13370.1	13512.3	13619.5	13696.2	13744.3	13771.4
-25°	11902.9	12251.9	12545.3	12799.3	13019.1	13200.5	13351.4	13478.1	13571.8	13651.2	13696.9
-27.5°	11636.8	11992.1	12308.6	12572.7	12799.3	12998.0	13156.5	13296.3	13402.0	13494.7	13556.1
-30°	11343.0	11702.9	12022.1	12308.6	12545.3	12751.7	12924.9	13070.2	13191.2	13291.9	13363.4
-32.5°	10990.1	11375.2	11702.9	11992.1	12251.9	12463.8	12656.2	12804.9	12935.9	13041.6	13122.8
-35°	10601.7	10990.1	11343.0	11636.8	11902.9	12130.0	12330.6	12493.0	12637.4	12747.1	12834.6
-37.5°	10152.0	10560.8	10917.6	11238.1	11506.5	11747.6	11951.4	12127.4	12282.8	12398.0	12493.9
-40°	9660.2	10072.3	10438.8	10774.0	11055.4	11314.8	11520.6	11706.2	11864.6	11988.7	12091.9
-42.5°	9129.7	9533.6	9906.7	10238.3	10541.3	10805.5	11027.4	11227.2	11389.5	11519.8	11627.8
-45°	8540.3	8947.6	9325.3	9653.6	9959.9	10223.7	10461.2	10674.5	10840.6	10980.2	11095.7
-47.5°	7887.3	8308.9	8678.6	9016.9	9323.6	9585.8	9824.4	10035.6	10208.7	10357.0	10479.7
-50°	7172.0	7599.8	7970.7	8318.6	8619.1	8887.6	9131.6	9340.0	9513.0	9661.2	9783.5
-52.5°	6389.0	6802.5	7190.8	7545.5	7844.2	8118.6	8367.6	8572.3	8748.4	8898.9	9023.1
-55°	5559.6	5957.8	6332.8	6672.1	6982.7	7267.7	7520.4	7724.5	7903.2	8055.7	8181.5
-57.5°	4737.9	5093.2	5430.5	5752.3	6050.2	6323.2	6564.0	6774.6	6958.9	7116.1	7245.6
-60°	3962.4	4242.6	4544.7	4829.7	5093.2	5334.6	5559.6	5760.0	5935.2	6084.5	6207.4
-62.5°	3268.6	3500.5	3739.6	3962.4	4168.2	4371.4	4568.8	4744.6	4898.1	5028.9	5136.5
-65°	2709.6	2887.5	3054.2	3209.3	3354.3	3523.6	3676.5	3812.5	3931.1	4032.2	4115.3
-67.5°	2227.9	2360.5	2484.8	2600.4	2720.7	2837.4	2942.7	3036.3	3117.9	3187.4	3244.5
-70°	1815.9	1908.6	1995.4	2084.0	2178.0	2263.7	2341.1	2409.8	2469.7	2520.7	2562.6
-72.5°	1472.9	1534.3	1596.1	1666.2	1730.8	1789.7	1842.8	1889.9	1931.0	1966.0	1994.7
-75°	1189.6	1237.6	1286.7	1332.2	1374.1	1412.3	1446.7	1477.3	1503.9	1526.5	1545.1
-77.5°	935.0	973.3	1009.2	1042.5	1073.1	1101.0	1126.2	1148.5	1167.9	1184.4	1198.0
-80°	668.6	700.6	730.6	758.4	783.9	807.2	828.2	846.8	863.0	876.8	888.1
-82.5°	416.6	438.4	458.7	477.6	495.0	510.8	525.1	537.7	548.7	558.0	565.7
-85°	206.2	216.2	225.5	234.1	242.1	249.3	255.8	261.6	266.6	270.8	274.3
-87.5°	61.8	63.6	65.3	66.9	68.3	69.7	70.9	71.9	72.8	73.6	74.3
-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: P645542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-735-U-LAM-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°	74.8	75.1	75.3	75.4	75.3	75.1	74.8	74.3	73.6	72.8	71.9
85°	277.1	279.0	280.2	280.6	280.2	279.0	277.1	274.3	270.8	266.6	261.6
82.5°	571.7	576.0	578.5	579.4	578.5	576.0	571.7	565.7	558.0	548.7	537.7
80°	896.9	903.2	907.0	908.3	907.0	903.2	896.9	888.1	876.8	863.0	846.8
77.5°	1208.6	1216.1	1220.7	1222.2	1220.7	1216.1	1208.6	1198.0	1184.4	1167.9	1148.5
75°	1559.6	1570.0	1576.2	1578.3	1576.2	1570.0	1559.6	1545.1	1526.5	1503.9	1477.3
72.5°	2017.1	2033.1	2042.8	2046.0	2042.8	2033.1	2017.1	1994.7	1966.0	1931.0	1889.9
70°	2595.3	2618.7	2632.8	2637.5	2632.8	2618.7	2595.3	2562.6	2520.7	2469.7	2409.8
67.5°	3289.1	3321.0	3340.2	3346.6	3340.2	3321.0	3289.1	3244.5	3187.4	3117.9	3036.3
65°	4180.2	4226.7	4254.7	4264.0	4254.7	4226.7	4180.2	4115.3	4032.2	3931.1	3812.5
62.5°	5220.6	5280.9	5317.1	5329.2	5317.1	5280.9	5220.6	5136.5	5028.9	4898.1	4744.6
60°	6303.5	6372.4	6413.9	6427.7	6413.9	6372.4	6303.5	6207.4	6084.5	5935.2	5760.0
57.5°	7346.9	7419.5	7463.2	7477.8	7463.2	7419.5	7346.9	7245.6	7116.1	6958.9	6774.6
55°	8280.0	8350.6	8393.1	8407.3	8393.1	8350.6	8280.0	8181.5	8055.7	7903.2	7724.5
52.5°	9120.3	9190.1	9232.2	9246.2	9232.2	9190.1	9120.3	9023.1	8898.9	8748.4	8572.3
50°	9879.4	9948.2	9989.7	10003.6	9989.7	9948.2	9879.4	9783.5	9661.2	9513.0	9340.0
47.5°	10575.9	10645.1	10686.8	10700.7	10686.8	10645.1	10575.9	10479.7	10357.0	10208.7	10035.6
45°	11186.5	11251.8	11291.1	11304.3	11291.1	11251.8	11186.5	11095.7	10980.2	10840.6	10674.5
42.5°	11712.8	11774.0	11811.0	11823.3	11811.0	11774.0	11712.8	11627.8	11519.8	11389.5	11227.2
40°	12173.2	12231.8	12267.2	12279.0	12267.2	12231.8	12173.2	12091.9	11988.7	11864.6	11706.2
37.5°	12569.5	12624.2	12657.2	12668.3	12657.2	12624.2	12569.5	12493.9	12398.0	12282.8	12127.4
35°	12903.7	12953.8	12984.1	12994.2	12984.1	12953.8	12903.7	12834.6	12747.1	12637.4	12493.0
32.5°	13187.2	13234.0	13262.3	13271.8	13262.3	13234.0	13187.2	13122.8	13041.6	12935.9	12804.9
30°	13420.2	13461.6	13486.7	13495.1	13486.7	13461.6	13420.2	13363.4	13291.9	13191.2	13070.2
27.5°	13605.2	13641.0	13662.8	13670.1	13662.8	13641.0	13605.2	13556.1	13494.7	13402.0	13296.3
25°	13726.8	13748.8	13762.2	13766.7	13762.2	13748.8	13726.8	13696.9	13651.2	13571.8	13478.1
22.5°	13779.7	13785.8	13789.5	13790.8	13789.5	13785.8	13779.7	13771.4	13744.3	13696.2	13619.5
20°	13783.6	13779.3	13776.6	13775.7	13776.6	13779.3	13783.6	13789.4	13781.7	13768.5	13715.0
17.5°	13758.7	13745.0	13736.4	13733.5	13736.4	13745.0	13758.7	13776.2	13784.1	13787.0	13771.0
15°	13716.8	13696.4	13683.6	13679.2	13683.6	13696.4	13716.8	13741.3	13766.1	13782.3	13787.0
12.5°	13669.9	13647.4	13632.9	13627.9	13632.9	13647.4	13669.9	13700.0	13735.3	13766.1	13784.1
10°	13627.6	13608.6	13596.1	13591.7	13596.1	13608.6	13627.6	13660.9	13700.0	13741.3	13776.2
7.5°	13600.3	13583.3	13573.9	13570.5	13573.9	13583.3	13600.3	13627.6	13669.9	13716.8	13758.7
5°	13583.3	13566.3	13552.1	13546.4	13552.1	13566.3	13583.3	13608.6	13647.4	13696.4	13745.0
2.5°	13573.9	13552.1	13530.5	13519.2	13530.5	13552.1	13573.9	13596.1	13632.9	13683.6	13736.4
0°	13570.5	13546.4	13519.2	13522.3	13519.2	13546.4	13570.5	13591.7	13627.9	13679.2	13733.5
-2.5°	13573.9	13552.1	13530.5	13519.2	13530.5	13552.1	13573.9	13596.1	13632.9	13683.6	13736.4
-5°	13583.3	13566.3	13552.1	13546.4	13552.1	13566.3	13583.3	13608.6	13647.4	13696.4	13745.0
-7.5°	13600.3	13583.3	13573.9	13570.5	13573.9	13583.3	13600.3	13627.6	13669.9	13716.8	13758.7
-10°	13627.6	13608.6	13596.1	13591.7	13596.1	13608.6	13627.6	13660.9	13700.0	13741.3	13776.2
-12.5°	13669.9	13647.4	13632.9	13627.9	13632.9	13647.4	13669.9	13700.0	13735.3	13766.1	13784.1
-15°	13716.8	13696.4	13683.6	13679.2	13683.6	13696.4	13716.8	13741.3	13766.1	13782.3	13787.0
-17.5°	13758.7	13745.0	13736.4	13733.5	13736.4	13745.0	13758.7	13776.2	13784.1	13787.0	13771.0
-20°	13783.6	13779.3	13776.6	13775.7	13776.6	13779.3	13783.6	13789.4	13781.7	13768.5	13715.0

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Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645542 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	13779.7	13785.8	13789.5	13790.8	13789.5	13785.8	13779.7	13771.4	13744.3	13696.2	13619.5
-25°	13726.8	13748.8	13762.2	13766.7	13762.2	13748.8	13726.8	13696.9	13651.2	13571.8	13478.1
-27.5°	13605.2	13641.0	13662.8	13670.1	13662.8	13641.0	13605.2	13556.1	13494.7	13402.0	13296.3
-30°	13420.2	13461.6	13486.7	13495.1	13486.7	13461.6	13420.2	13363.4	13291.9	13191.2	13070.2
-32.5°	13187.2	13234.0	13262.3	13271.8	13262.3	13234.0	13187.2	13122.8	13041.6	12935.9	12804.9
-35°	12903.7	12953.8	12984.1	12994.2	12984.1	12953.8	12903.7	12834.6	12747.1	12637.4	12493.0
-37.5°	12569.5	12624.2	12657.2	12668.3	12657.2	12624.2	12569.5	12493.9	12398.0	12282.8	12127.4
-40°	12173.2	12231.8	12267.2	12279.0	12267.2	12231.8	12173.2	12091.9	11988.7	11864.6	11706.2
-42.5°	11712.8	11774.0	11811.0	11823.3	11811.0	11774.0	11712.8	11627.8	11519.8	11389.5	11227.2
-45°	11186.5	11251.8	11291.1	11304.3	11291.1	11251.8	11186.5	11095.7	10980.2	10840.6	10674.5
-47.5°	10575.9	10645.1	10686.8	10700.7	10686.8	10645.1	10575.9	10479.7	10357.0	10208.7	10035.6
-50°	9879.4	9948.2	9989.7	10003.6	9989.7	9948.2	9879.4	9783.5	9661.2	9513.0	9340.0
-52.5°	9120.3	9190.1	9232.2	9246.2	9232.2	9190.1	9120.3	9023.1	8898.9	8748.4	8572.3
-55°	8280.0	8350.6	8393.1	8407.3	8393.1	8350.6	8280.0	8181.5	8055.7	7903.2	7724.5
-57.5°	7346.9	7419.5	7463.2	7477.8	7463.2	7419.5	7346.9	7245.6	7116.1	6958.9	6774.6
-60°	6303.5	6372.4	6413.9	6427.7	6413.9	6372.4	6303.5	6207.4	6084.5	5935.2	5760.0
-62.5°	5220.6	5280.9	5317.1	5329.2	5317.1	5280.9	5220.6	5136.5	5028.9	4898.1	4744.6
-65°	4180.2	4226.7	4254.7	4264.0	4254.7	4226.7	4180.2	4115.3	4032.2	3931.1	3812.5
-67.5°	3289.1	3321.0	3340.2	3346.6	3340.2	3321.0	3289.1	3244.5	3187.4	3117.9	3036.3
-70°	2595.3	2618.7	2632.8	2637.5	2632.8	2618.7	2595.3	2562.6	2520.7	2469.7	2409.8
-72.5°	2017.1	2033.1	2042.8	2046.0	2042.8	2033.1	2017.1	1994.7	1966.0	1931.0	1889.9
-75°	1559.6	1570.0	1576.2	1578.3	1576.2	1570.0	1559.6	1545.1	1526.5	1503.9	1477.3
-77.5°	1208.6	1216.1	1220.7	1222.2	1220.7	1216.1	1208.6	1198.0	1184.4	1167.9	1148.5
-80°	896.9	903.2	907.0	908.3	907.0	903.2	896.9	888.1	876.8	863.0	846.8
-82.5°	571.7	576.0	578.5	579.4	578.5	576.0	571.7	565.7	558.0	548.7	537.7
-85°	277.1	279.0	280.2	280.6	280.2	279.0	277.1	274.3	270.8	266.6	261.6
-87.5°	74.8	75.1	75.3	75.4	75.3	75.1	74.8	74.3	73.6	72.8	71.9
-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: P645542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-735-U-LAM-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°	70.9	69.7	68.3	66.9	65.3	63.6	61.8	59.8	57.8	55.6	53.3
85°	255.8	249.3	242.1	234.1	225.5	216.2	206.2	195.6	184.4	172.6	160.2
82.5°	525.1	510.8	495.0	477.6	458.7	438.4	416.6	393.4	368.9	343.0	315.9
80°	828.2	807.2	783.9	758.4	730.6	700.6	668.6	634.5	598.4	562.1	526.0
77.5°	1126.2	1101.0	1073.1	1042.5	1009.2	973.3	935.0	893.5	848.3	800.7	750.9
75°	1446.7	1412.3	1374.1	1332.2	1286.7	1237.6	1189.6	1140.5	1088.6	1034.0	976.8
72.5°	1842.8	1789.7	1730.8	1666.2	1596.1	1534.3	1472.9	1407.6	1338.7	1266.2	1194.1
70°	2341.1	2263.7	2178.0	2084.0	1995.4	1908.6	1815.9	1717.5	1613.6	1522.1	1435.2
67.5°	2942.7	2837.4	2720.7	2600.4	2484.8	2360.5	2227.9	2087.2	1961.2	1838.0	1709.2
65°	3676.5	3523.6	3354.3	3209.3	3054.2	2887.5	2709.6	2540.5	2374.8	2200.9	2025.0
62.5°	4568.8	4371.4	4168.2	3962.4	3739.6	3500.5	3268.6	3060.0	2840.3	2614.7	2414.3
60°	5559.6	5334.6	5093.2	4829.7	4544.7	4242.6	3962.4	3666.1	3354.3	3100.3	2837.4
57.5°	6564.0	6323.2	6050.2	5752.3	5430.5	5093.2	4737.9	4362.4	4009.0	3653.8	3298.2
55°	7520.4	7267.7	6982.7	6672.1	6332.8	5957.8	5559.6	5145.2	4717.6	4271.2	3870.4
52.5°	8367.6	8118.6	7844.2	7545.5	7190.8	6802.5	6389.0	5935.2	5459.6	4974.9	4475.6
50°	9131.6	8887.6	8619.1	8318.6	7970.7	7599.8	7172.0	6705.4	6207.4	5675.7	5130.7
47.5°	9824.4	9585.8	9323.6	9016.9	8678.6	8308.9	7887.3	7440.2	6917.8	6372.4	5784.5
45°	10461.2	10223.7	9959.9	9653.6	9325.3	8947.6	8540.3	8081.6	7588.5	7024.9	6427.7
42.5°	11027.4	10805.5	10541.3	10238.3	9906.7	9533.6	9129.7	8674.9	8179.6	7636.8	7024.9
40°	11520.6	11314.8	11055.4	10774.0	10438.8	10072.3	9660.2	9221.6	8720.0	8179.6	7588.5
37.5°	11951.4	11747.6	11506.5	11238.1	10917.6	10560.8	10152.0	9702.6	9221.6	8674.9	8081.6
35°	12330.6	12130.0	11902.9	11636.8	11343.0	10990.1	10601.7	10152.0	9660.2	9129.7	8540.3
32.5°	12656.2	12463.8	12251.9	11992.1	11702.9	11375.2	10990.1	10560.8	10072.3	9533.6	8947.6
30°	12924.9	12751.7	12545.3	12308.6	12022.1	11702.9	11343.0	10917.6	10438.8	9906.7	9325.3
27.5°	13156.5	12998.0	12799.3	12572.7	12308.6	11992.1	11636.8	11238.1	10774.0	10238.3	9653.6
25°	13351.4	13200.5	13019.1	12799.3	12545.3	12251.9	11902.9	11506.5	11055.4	10541.3	9959.9
22.5°	13512.3	13370.1	13200.5	12998.0	12751.7	12463.8	12130.0	11747.6	11314.8	10805.5	10223.7
20°	13635.7	13512.3	13351.4	13156.5	12924.9	12656.2	12330.6	11951.4	11520.6	11027.4	10461.2
17.5°	13715.0	13619.5	13478.1	13296.3	13070.2	12804.9	12493.0	12127.4	11706.2	11227.2	10674.5
15°	13768.5	13696.2	13571.8	13402.0	13191.2	12935.9	12637.4	12282.8	11864.6	11389.5	10840.6
12.5°	13781.7	13744.3	13651.2	13494.7	13291.9	13041.6	12747.1	12398.0	11988.7	11519.8	10980.2
10°	13789.4	13771.4	13696.9	13556.1	13363.4	13122.8	12834.6	12493.9	12091.9	11627.8	11095.7
7.5°	13783.6	13779.7	13726.8	13605.2	13420.2	13187.2	12903.7	12569.5	12173.2	11712.8	11186.5
5°	13779.3	13785.8	13748.8	13641.0	13461.6	13234.0	12953.8	12624.2	12231.8	11774.0	11251.8
2.5°	13776.6	13789.5	13762.2	13662.8	13486.7	13262.3	12984.1	12657.2	12267.2	11811.0	11291.1
0°	13775.7	13790.8	13766.7	13670.1	13495.1	13271.8	12994.2	12668.3	12279.0	11823.3	11304.3
-2.5°	13776.6	13789.5	13762.2	13662.8	13486.7	13262.3	12984.1	12657.2	12267.2	11811.0	11291.1
-5°	13779.3	13785.8	13748.8	13641.0	13461.6	13234.0	12953.8	12624.2	12231.8	11774.0	11251.8
-7.5°	13783.6	13779.7	13726.8	13605.2	13420.2	13187.2	12903.7	12569.5	12173.2	11712.8	11186.5
-10°	13789.4	13771.4	13696.9	13556.1	13363.4	13122.8	12834.6	12493.9	12091.9	11627.8	11095.7
-12.5°	13781.7	13744.3	13651.2	13494.7	13291.9	13041.6	12747.1	12398.0	11988.7	11519.8	10980.2
-15°	13768.5	13696.2	13571.8	13402.0	13191.2	12935.9	12637.4	12282.8	11864.6	11389.5	10840.6
-17.5°	13715.0	13619.5	13478.1	13296.3	13070.2	12804.9	12493.0	12127.4	11706.2	11227.2	10674.5
-20°	13635.7	13512.3	13351.4	13156.5	12924.9	12656.2	12330.6	11951.4	11520.6	11027.4	10461.2

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REPORT NUMBER: P645542 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	13512.3	13370.1	13200.5	12998.0	12751.7	12463.8	12130.0	11747.6	11314.8	10805.5	10223.7
-25°	13351.4	13200.5	13019.1	12799.3	12545.3	12251.9	11902.9	11506.5	11055.4	10541.3	9959.9
-27.5°	13156.5	12998.0	12799.3	12572.7	12308.6	11992.1	11636.8	11238.1	10774.0	10238.3	9653.6
-30°	12924.9	12751.7	12545.3	12308.6	12022.1	11702.9	11343.0	10917.6	10438.8	9906.7	9325.3
-32.5°	12656.2	12463.8	12251.9	11992.1	11702.9	11375.2	10990.1	10560.8	10072.3	9533.6	8947.6
-35°	12330.6	12130.0	11902.9	11636.8	11343.0	10990.1	10601.7	10152.0	9660.2	9129.7	8540.3
-37.5°	11951.4	11747.6	11506.5	11238.1	10917.6	10560.8	10152.0	9702.6	9221.6	8674.9	8081.6
-40°	11520.6	11314.8	11055.4	10774.0	10438.8	10072.3	9660.2	9221.6	8720.0	8179.6	7588.5
-42.5°	11027.4	10805.5	10541.3	10238.3	9906.7	9533.6	9129.7	8674.9	8179.6	7636.8	7024.9
-45°	10461.2	10223.7	9959.9	9653.6	9325.3	8947.6	8540.3	8081.6	7588.5	7024.9	6427.7
-47.5°	9824.4	9585.8	9323.6	9016.9	8678.6	8308.9	7887.3	7440.2	6917.8	6372.4	5784.5
-50°	9131.6	8887.6	8619.1	8318.6	7970.7	7599.8	7172.0	6705.4	6207.4	5675.7	5130.7
-52.5°	8367.6	8118.6	7844.2	7545.5	7190.8	6802.5	6389.0	5935.2	5459.6	4974.9	4475.6
-55°	7520.4	7267.7	6982.7	6672.1	6332.8	5957.8	5559.6	5145.2	4717.6	4271.2	3870.4
-57.5°	6564.0	6323.2	6050.2	5752.3	5430.5	5093.2	4737.9	4362.4	4009.0	3653.8	3298.2
-60°	5559.6	5334.6	5093.2	4829.7	4544.7	4242.6	3962.4	3666.1	3354.3	3100.3	2837.4
-62.5°	4568.8	4371.4	4168.2	3962.4	3739.6	3500.5	3268.6	3060.0	2840.3	2614.7	2414.3
-65°	3676.5	3523.6	3354.3	3209.3	3054.2	2887.5	2709.6	2540.5	2374.8	2200.9	2025.0
-67.5°	2942.7	2837.4	2720.7	2600.4	2484.8	2360.5	2227.9	2087.2	1961.2	1838.0	1709.2
-70°	2341.1	2263.7	2178.0	2084.0	1995.4	1908.6	1815.9	1717.5	1613.6	1522.1	1435.2
-72.5°	1842.8	1789.7	1730.8	1666.2	1596.1	1534.3	1472.9	1407.6	1338.7	1266.2	1194.1
-75°	1446.7	1412.3	1374.1	1332.2	1286.7	1237.6	1189.6	1140.5	1088.6	1034.0	976.8
-77.5°	1126.2	1101.0	1073.1	1042.5	1009.2	973.3	935.0	893.5	848.3	800.7	750.9
-80°	828.2	807.2	783.9	758.4	730.6	700.6	668.6	634.5	598.4	562.1	526.0
-82.5°	525.1	510.8	495.0	477.6	458.7	438.4	416.6	393.4	368.9	343.0	315.9
-85°	255.8	249.3	242.1	234.1	225.5	216.2	206.2	195.6	184.4	172.6	160.2
-87.5°	70.9	69.7	68.3	66.9	65.3	63.6	61.8	59.8	57.8	55.6	53.3
-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: P645542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-735-U-LAM-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°	50.9	48.5	45.9	43.2	40.5	37.7	34.8	31.9	28.8	25.8	22.7
85°	147.3	133.8	119.8	105.4	90.5	75.3	69.6	63.7	57.6	51.5	45.3
82.5°	287.7	265.2	244.3	222.6	200.3	177.3	153.8	129.8	105.2	80.2	67.8
80°	488.2	449.0	408.3	366.2	322.9	279.0	247.7	215.6	182.9	149.7	115.9
77.5°	698.9	644.8	588.8	535.3	481.2	425.5	368.5	310.3	260.2	218.7	176.5
75°	917.1	852.6	785.3	715.9	644.3	571.7	503.4	433.5	362.4	290.0	236.6
72.5°	1124.4	1052.0	977.1	899.3	815.9	730.3	642.7	555.6	472.8	388.5	303.1
70°	1344.7	1250.7	1161.6	1073.2	982.3	888.1	788.1	686.1	582.1	485.9	388.5
67.5°	1575.9	1470.0	1360.6	1247.8	1142.5	1037.8	930.6	817.2	700.6	582.1	472.8
65°	1875.7	1721.0	1565.2	1439.9	1311.2	1184.4	1065.6	944.5	817.2	686.1	555.6
62.5°	2206.2	2002.2	1826.3	1645.3	1487.8	1343.1	1198.4	1065.6	930.6	788.1	642.7
60°	2576.6	2341.1	2098.3	1889.9	1687.5	1503.9	1343.1	1184.4	1037.8	888.1	730.3
57.5°	3001.8	2695.5	2422.7	2152.4	1911.2	1687.5	1487.8	1311.2	1142.5	982.3	815.9
55°	3456.4	3101.2	2761.3	2450.0	2152.4	1889.9	1645.3	1439.9	1247.8	1073.2	899.3
52.5°	4001.6	3543.2	3134.4	2761.3	2422.7	2098.3	1826.3	1565.2	1360.6	1161.6	977.1
50°	4578.6	4045.5	3543.2	3101.2	2695.5	2341.1	2002.2	1721.0	1470.0	1250.7	1052.0
47.5°	5182.8	4578.6	4001.6	3456.4	3001.8	2576.6	2206.2	1875.7	1575.9	1344.7	1124.4
45°	5784.5	5130.7	4475.6	3870.4	3298.2	2837.4	2414.3	2025.0	1709.2	1435.2	1194.1
42.5°	6372.4	5675.7	4974.9	4271.2	3653.8	3100.3	2614.7	2200.9	1838.0	1522.1	1266.2
40°	6917.8	6207.4	5459.6	4717.6	4009.0	3354.3	2840.3	2374.8	1961.2	1613.6	1338.7
37.5°	7440.2	6705.4	5935.2	5145.2	4362.4	3666.1	3060.0	2540.5	2087.2	1717.5	1407.6
35°	7887.3	7172.0	6389.0	5559.6	4737.9	3962.4	3268.6	2709.6	2227.9	1815.9	1472.9
32.5°	8308.9	7599.8	6802.5	5957.8	5093.2	4242.6	3500.5	2887.5	2360.5	1908.6	1534.3
30°	8678.6	7970.7	7190.8	6332.8	5430.5	4544.7	3739.6	3054.2	2484.8	1995.4	1596.1
27.5°	9016.9	8318.6	7545.5	6672.1	5752.3	4829.7	3962.4	3209.3	2600.4	2084.0	1666.2
25°	9323.6	8619.1	7844.2	6982.7	6050.2	5093.2	4168.2	3354.3	2720.7	2178.0	1730.8
22.5°	9585.8	8887.6	8118.6	7267.7	6323.2	5334.6	4371.4	3523.6	2837.4	2263.7	1789.7
20°	9824.4	9131.6	8367.6	7520.4	6564.0	5559.6	4568.8	3676.5	2942.7	2341.1	1842.8
17.5°	10035.6	9340.0	8572.3	7724.5	6774.6	5760.0	4744.6	3812.5	3036.3	2409.8	1889.9
15°	10208.7	9513.0	8748.4	7903.2	6958.9	5935.2	4898.1	3931.1	3117.9	2469.7	1931.0
12.5°	10357.0	9661.2	8898.9	8055.7	7116.1	6084.5	5028.9	4032.2	3187.4	2520.7	1966.0
10°	10479.7	9783.5	9023.1	8181.5	7245.6	6207.4	5136.5	4115.3	3244.5	2562.6	1994.7
7.5°	10575.9	9879.4	9120.3	8280.0	7346.9	6303.5	5220.6	4180.2	3289.1	2595.3	2017.1
5°	10645.1	9948.2	9190.1	8350.6	7419.5	6372.4	5280.9	4226.7	3321.0	2618.7	2033.1
2.5°	10686.8	9989.7	9232.2	8393.1	7463.2	6413.9	5317.1	4254.7	3340.2	2632.8	2042.8
0°	10700.7	10003.6	9246.2	8407.3	7477.8	6427.7	5329.2	4264.0	3346.6	2637.5	2046.0
-2.5°	10686.8	9989.7	9232.2	8393.1	7463.2	6413.9	5317.1	4254.7	3340.2	2632.8	2042.8
-5°	10645.1	9948.2	9190.1	8350.6	7419.5	6372.4	5280.9	4226.7	3321.0	2618.7	2033.1
-7.5°	10575.9	9879.4	9120.3	8280.0	7346.9	6303.5	5220.6	4180.2	3289.1	2595.3	2017.1
-10°	10479.7	9783.5	9023.1	8181.5	7245.6	6207.4	5136.5	4115.3	3244.5	2562.6	1994.7
-12.5°	10357.0	9661.2	8898.9	8055.7	7116.1	6084.5	5028.9	4032.2	3187.4	2520.7	1966.0
-15°	10208.7	9513.0	8748.4	7903.2	6958.9	5935.2	4898.1	3931.1	3117.9	2469.7	1931.0
-17.5°	10035.6	9340.0	8572.3	7724.5	6774.6	5760.0	4744.6	3812.5	3036.3	2409.8	1889.9
-20°	9824.4	9131.6	8367.6	7520.4	6564.0	5559.6	4568.8	3676.5	2942.7	2341.1	1842.8



REPORT NUMBER: P645542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	9585.8	8887.6	8118.6	7267.7	6323.2	5334.6	4371.4	3523.6	2837.4	2263.7	1789.7
-25°	9323.6	8619.1	7844.2	6982.7	6050.2	5093.2	4168.2	3354.3	2720.7	2178.0	1730.8
-27.5°	9016.9	8318.6	7545.5	6672.1	5752.3	4829.7	3962.4	3209.3	2600.4	2084.0	1666.2
-30°	8678.6	7970.7	7190.8	6332.8	5430.5	4544.7	3739.6	3054.2	2484.8	1995.4	1596.1
-32.5°	8308.9	7599.8	6802.5	5957.8	5093.2	4242.6	3500.5	2887.5	2360.5	1908.6	1534.3
-35°	7887.3	7172.0	6389.0	5559.6	4737.9	3962.4	3268.6	2709.6	2227.9	1815.9	1472.9
-37.5°	7440.2	6705.4	5935.2	5145.2	4362.4	3666.1	3060.0	2540.5	2087.2	1717.5	1407.6
-40°	6917.8	6207.4	5459.6	4717.6	4009.0	3354.3	2840.3	2374.8	1961.2	1613.6	1338.7
-42.5°	6372.4	5675.7	4974.9	4271.2	3653.8	3100.3	2614.7	2200.9	1838.0	1522.1	1266.2
-45°	5784.5	5130.7	4475.6	3870.4	3298.2	2837.4	2414.3	2025.0	1709.2	1435.2	1194.1
-47.5°	5182.8	4578.6	4001.6	3456.4	3001.8	2576.6	2206.2	1875.7	1575.9	1344.7	1124.4
-50°	4578.6	4045.5	3543.2	3101.2	2695.5	2341.1	2002.2	1721.0	1470.0	1250.7	1052.0
-52.5°	4001.6	3543.2	3134.4	2761.3	2422.7	2098.3	1826.3	1565.2	1360.6	1161.6	977.1
-55°	3456.4	3101.2	2761.3	2450.0	2152.4	1889.9	1645.3	1439.9	1247.8	1073.2	899.3
-57.5°	3001.8	2695.5	2422.7	2152.4	1911.2	1687.5	1487.8	1311.2	1142.5	982.3	815.9
-60°	2576.6	2341.1	2098.3	1889.9	1687.5	1503.9	1343.1	1184.4	1037.8	888.1	730.3
-62.5°	2206.2	2002.2	1826.3	1645.3	1487.8	1343.1	1198.4	1065.6	930.6	788.1	642.7
-65°	1875.7	1721.0	1565.2	1439.9	1311.2	1184.4	1065.6	944.5	817.2	686.1	555.6
-67.5°	1575.9	1470.0	1360.6	1247.8	1142.5	1037.8	930.6	817.2	700.6	582.1	472.8
-70°	1344.7	1250.7	1161.6	1073.2	982.3	888.1	788.1	686.1	582.1	485.9	388.5
-72.5°	1124.4	1052.0	977.1	899.3	815.9	730.3	642.7	555.6	472.8	388.5	303.1
-75°	917.1	852.6	785.3	715.9	644.3	571.7	503.4	433.5	362.4	290.0	236.6
-77.5°	698.9	644.8	588.8	535.3	481.2	425.5	368.5	310.3	260.2	218.7	176.5
-80°	488.2	449.0	408.3	366.2	322.9	279.0	247.7	215.6	182.9	149.7	115.9
-82.5°	287.7	265.2	244.3	222.6	200.3	177.3	153.8	129.8	105.2	80.2	67.8
-85°	147.3	133.8	119.8	105.4	90.5	75.3	69.6	63.7	57.6	51.5	45.3
-87.5°	50.9	48.5	45.9	43.2	40.5	37.7	34.8	31.9	28.8	25.8	22.7
-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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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645542 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	19.5	16.3	13.1	9.8	6.6	3.3	0.0
85°	39.0	32.6	26.2	19.7	13.1	6.6	0.0
82.5°	58.4	48.8	39.2	29.4	19.7	9.8	0.0
80°	81.6	65.0	52.1	39.2	26.2	13.1	0.0
77.5°	133.8	90.6	65.0	48.8	32.6	16.3	0.0
75°	185.5	133.8	81.6	58.4	39.0	19.5	0.0
72.5°	236.6	176.5	115.9	67.8	45.3	22.7	0.0
70°	290.0	218.7	149.7	80.2	51.5	25.8	0.0
67.5°	362.4	260.2	182.9	105.2	57.6	28.8	0.0
65°	433.5	310.3	215.6	129.8	63.7	31.9	0.0
62.5°	503.4	368.5	247.7	153.8	69.6	34.8	0.0
60°	571.7	425.5	279.0	177.3	75.3	37.7	0.0
57.5°	644.3	481.2	322.9	200.3	90.5	40.5	0.0
55°	715.9	535.3	366.2	222.6	105.4	43.2	0.0
52.5°	785.3	588.8	408.3	244.3	119.8	45.9	0.0
50°	852.6	644.8	449.0	265.2	133.8	48.5	0.0
47.5°	917.1	698.9	488.2	287.7	147.3	50.9	0.0
45°	976.8	750.9	526.0	315.9	160.2	53.3	0.0
42.5°	1034.0	800.7	562.1	343.0	172.6	55.6	0.0
40°	1088.6	848.3	598.4	368.9	184.4	57.8	0.0
37.5°	1140.5	893.5	634.5	393.4	195.6	59.8	0.0
35°	1189.6	935.0	668.6	416.6	206.2	61.8	0.0
32.5°	1237.6	973.3	700.6	438.4	216.2	63.6	0.0
30°	1286.7	1009.2	730.6	458.7	225.5	65.3	0.0
27.5°	1332.2	1042.5	758.4	477.6	234.1	66.9	0.0
25°	1374.1	1073.1	783.9	495.0	242.1	68.3	0.0
22.5°	1412.3	1101.0	807.2	510.8	249.3	69.7	0.0
20°	1446.7	1126.2	828.2	525.1	255.8	70.9	0.0
17.5°	1477.3	1148.5	846.8	537.7	261.6	71.9	0.0
15°	1503.9	1167.9	863.0	548.7	266.6	72.8	0.0
12.5°	1526.5	1184.4	876.8	558.0	270.8	73.6	0.0
10°	1545.1	1198.0	888.1	565.7	274.3	74.3	0.0
7.5°	1559.6	1208.6	896.9	571.7	277.1	74.8	0.0
5°	1570.0	1216.1	903.2	576.0	279.0	75.1	0.0
2.5°	1576.2	1220.7	907.0	578.5	280.2	75.3	0.0
0°	1578.3	1222.2	908.3	579.4	280.6	75.4	0.0
-2.5°	1576.2	1220.7	907.0	578.5	280.2	75.3	0.0
-5°	1570.0	1216.1	903.2	576.0	279.0	75.1	0.0
-7.5°	1559.6	1208.6	896.9	571.7	277.1	74.8	0.0
-10°	1545.1	1198.0	888.1	565.7	274.3	74.3	0.0
-12.5°	1526.5	1184.4	876.8	558.0	270.8	73.6	0.0
-15°	1503.9	1167.9	863.0	548.7	266.6	72.8	0.0
-17.5°	1477.3	1148.5	846.8	537.7	261.6	71.9	0.0
-20°	1446.7	1126.2	828.2	525.1	255.8	70.9	0.0

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Scaled Data Report



REPORT NUMBER: P645542 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1412.3	1101.0	807.2	510.8	249.3	69.7	0.0
-25°	1374.1	1073.1	783.9	495.0	242.1	68.3	0.0
-27.5°	1332.2	1042.5	758.4	477.6	234.1	66.9	0.0
-30°	1286.7	1009.2	730.6	458.7	225.5	65.3	0.0
-32.5°	1237.6	973.3	700.6	438.4	216.2	63.6	0.0
-35°	1189.6	935.0	668.6	416.6	206.2	61.8	0.0
-37.5°	1140.5	893.5	634.5	393.4	195.6	59.8	0.0
-40°	1088.6	848.3	598.4	368.9	184.4	57.8	0.0
-42.5°	1034.0	800.7	562.1	343.0	172.6	55.6	0.0
-45°	976.8	750.9	526.0	315.9	160.2	53.3	0.0
-47.5°	917.1	698.9	488.2	287.7	147.3	50.9	0.0
-50°	852.6	644.8	449.0	265.2	133.8	48.5	0.0
-52.5°	785.3	588.8	408.3	244.3	119.8	45.9	0.0
-55°	715.9	535.3	366.2	222.6	105.4	43.2	0.0
-57.5°	644.3	481.2	322.9	200.3	90.5	40.5	0.0
-60°	571.7	425.5	279.0	177.3	75.3	37.7	0.0
-62.5°	503.4	368.5	247.7	153.8	69.6	34.8	0.0
-65°	433.5	310.3	215.6	129.8	63.7	31.9	0.0
-67.5°	362.4	260.2	182.9	105.2	57.6	28.8	0.0
-70°	290.0	218.7	149.7	80.2	51.5	25.8	0.0
-72.5°	236.6	176.5	115.9	67.8	45.3	22.7	0.0
-75°	185.5	133.8	81.6	58.4	39.0	19.5	0.0
-77.5°	133.8	90.6	65.0	48.8	32.6	16.3	0.0
-80°	81.6	65.0	52.1	39.2	26.2	13.1	0.0
-82.5°	58.4	48.8	39.2	29.4	19.7	9.8	0.0
-85°	39.0	32.6	26.2	19.7	13.1	6.6	0.0
-87.5°	19.5	16.3	13.1	9.8	6.6	3.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)