

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: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5E-730-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645539 (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-SA5E-730-U-LAM-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

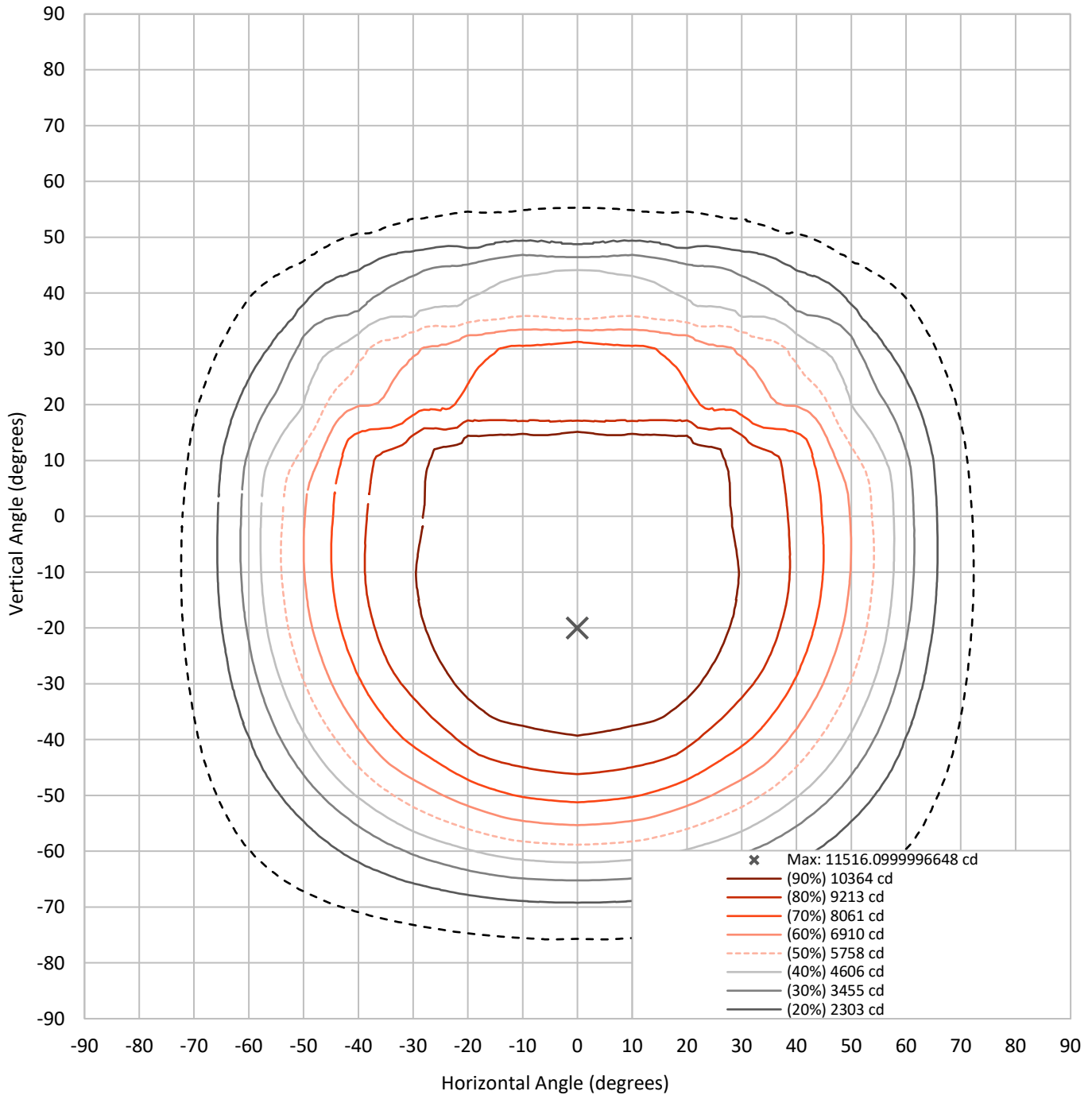
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	27002.9 lumens	Max Intensity:	11516.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	86.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	21109.2 lumens	Field Lumens:	26466.6 lumens
Beam Efficiency:	78.2%	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		



REPORT NUMBER: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-730-U-LAM-VSR-XX

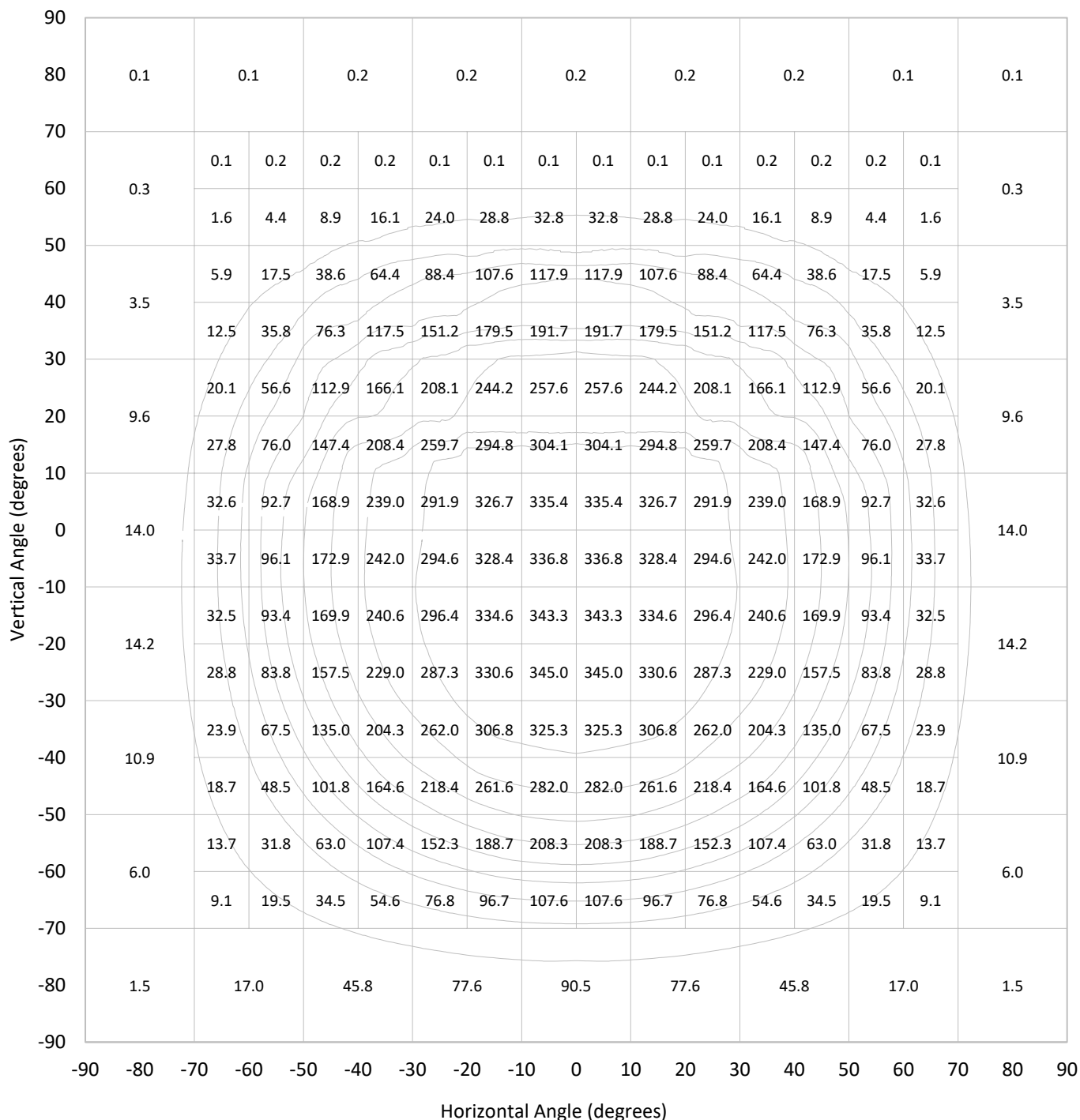
Iso-Candela Plot





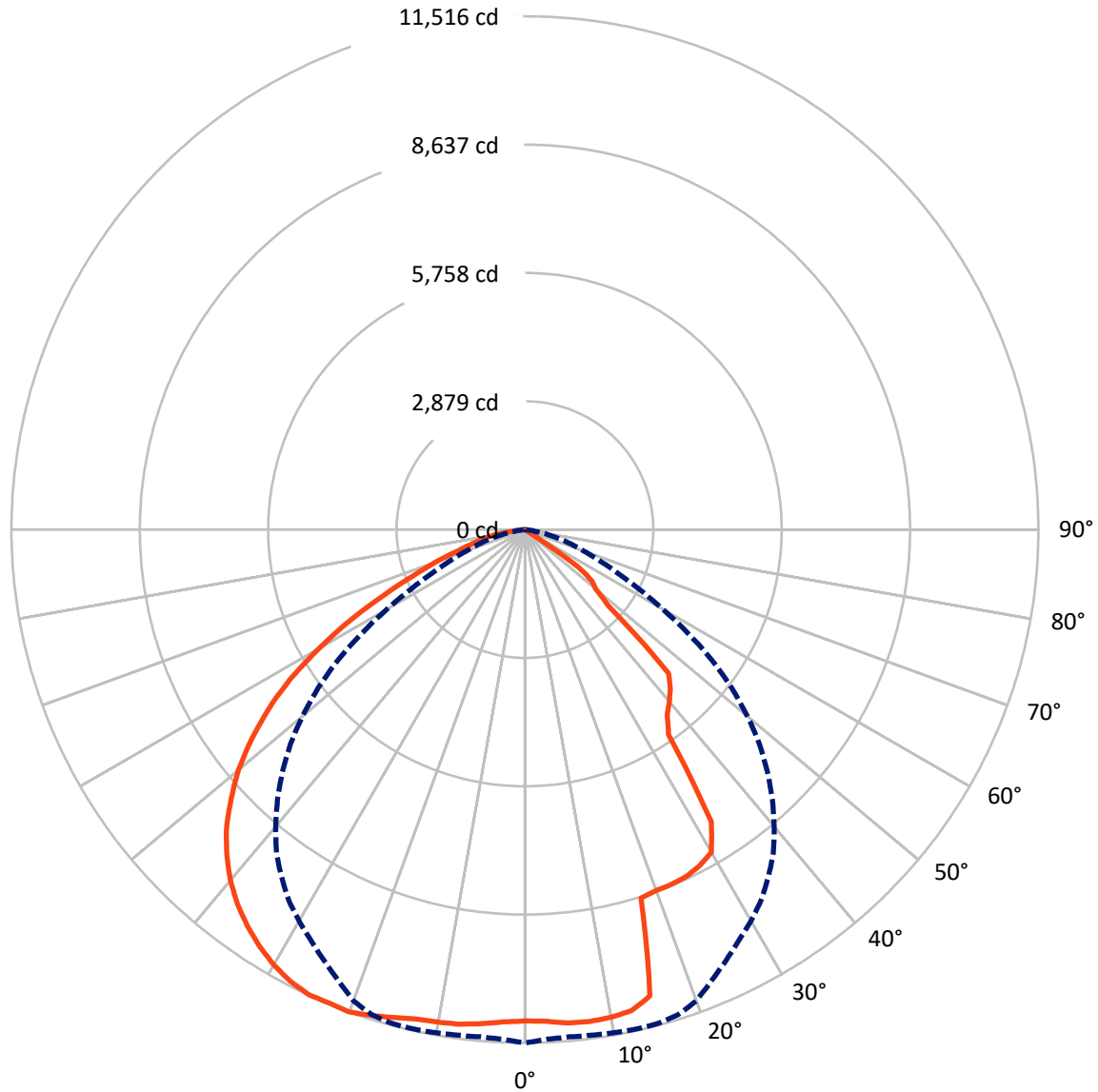
REPORT NUMBER: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-U-LAM-VSR-XX

Lumen Table



REPORT NUMBER: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-730-U-LAM-VSR-XX

Luminous Intensity Polar Plot

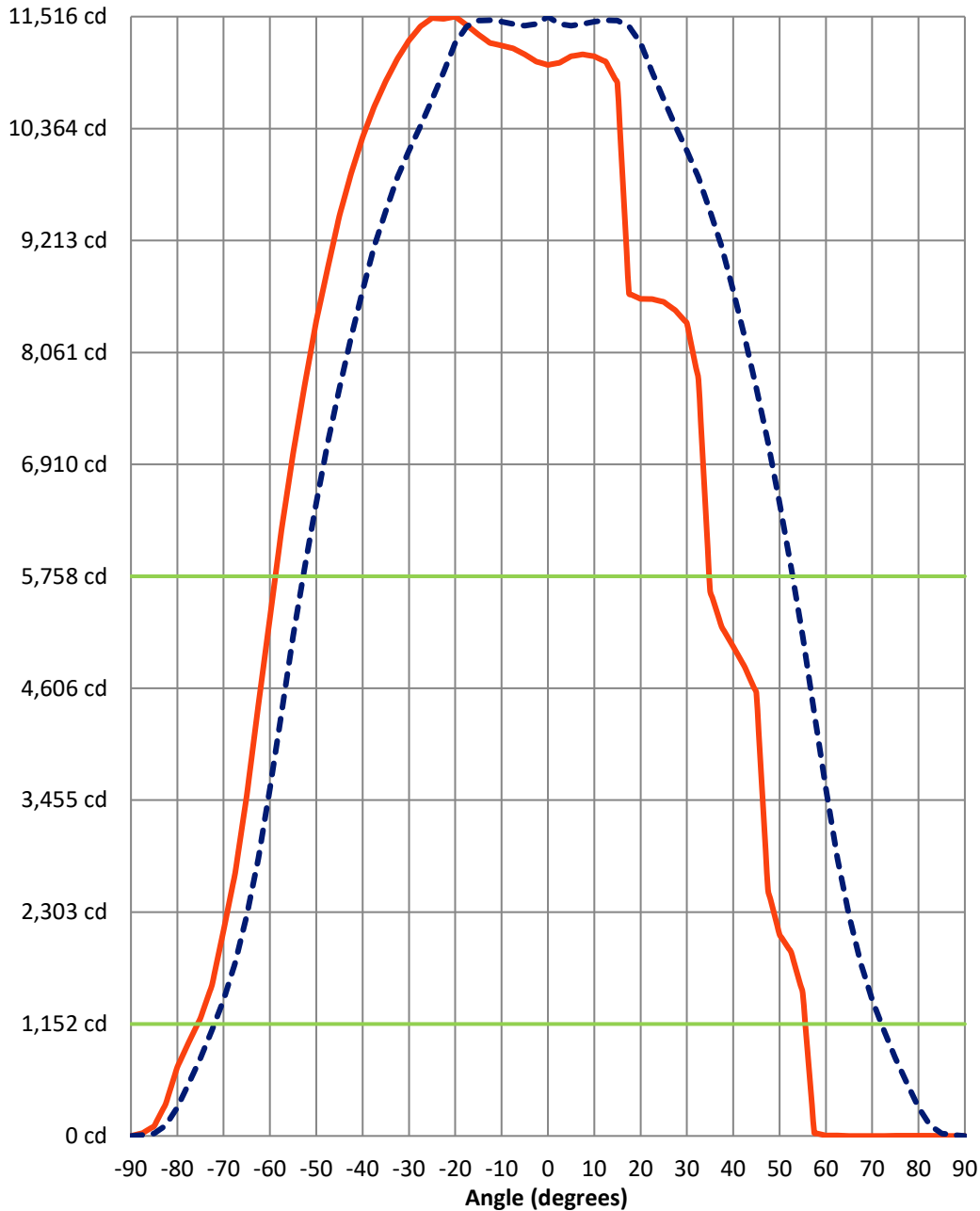


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg



REPORT NUMBER: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-U-LAM-VSR-XX

Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 21109.2
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 26466.6
 Efficiency: 98.0%

Spill:
 Lumens: 536.3
 Efficiency: 2.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-Deg

Classified

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

Scaled Data Report



REPORT NUMBER: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-730-U-LAM-VSR-XX

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	0.3	0.4	0.6	0.9	1.1	1.3	1.3	1.3	1.2	1.1
85°	0.0	0.5	0.9	1.3	1.7	2.1	2.5	2.6	2.5	2.4	2.1
82.5°	0.0	0.8	1.3	1.9	2.5	3.2	3.8	3.9	3.7	3.1	2.5
80°	0.0	1.1	1.7	2.5	3.4	4.2	4.9	4.4	3.8	3.2	2.6
77.5°	0.0	1.3	2.1	3.2	4.2	5.0	4.9	4.4	3.8	3.2	2.6
75°	0.0	1.6	2.6	3.8	4.9	5.1	5.0	4.4	3.9	3.3	2.7
72.5°	0.0	1.9	3.0	4.4	5.2	5.3	5.0	4.5	3.9	3.3	2.7
70°	0.0	2.1	3.5	4.9	5.4	5.5	5.2	4.5	4.0	3.4	3.9
67.5°	0.0	2.4	3.9	5.2	5.7	5.7	5.8	4.6	4.1	5.5	5.6
65°	0.0	2.6	4.3	5.4	5.9	6.5	6.6	4.7	6.5	7.7	9.6
62.5°	0.0	2.9	4.8	5.7	6.2	8.1	7.7	6.6	9.1	13.5	21.4
60°	0.0	3.2	5.2	6.0	6.5	9.9	9.1	9.3	11.8	34.1	37.2
57.5°	0.0	3.4	5.5	6.2	8.3	11.8	16.8	13.1	33.4	58.0	67.4
55°	0.0	3.7	5.8	6.5	10.4	13.9	26.8	21.3	62.0	89.5	109.1
52.5°	0.0	3.9	6.1	6.8	12.6	17.9	38.5	53.9	93.1	140.5	158.2
50°	0.0	4.1	6.4	7.0	14.8	30.5	51.9	91.0	133.1	197.1	247.1
47.5°	0.0	4.4	6.7	7.7	17.1	44.1	69.8	130.0	191.8	259.6	338.0
45°	0.0	4.6	7.0	9.6	19.6	58.6	105.2	170.7	257.5	338.3	426.3
42.5°	0.0	4.8	7.3	11.4	22.1	74.1	141.6	222.3	324.3	415.0	528.0
40°	0.0	5.1	7.6	13.8	29.8	90.5	178.7	281.1	393.1	490.2	636.9
37.5°	0.0	5.3	7.9	16.8	42.6	107.8	216.5	340.0	465.3	580.6	750.6
35°	0.0	5.5	8.2	20.0	55.6	133.9	255.0	398.9	538.7	691.6	885.0
32.5°	0.0	5.7	8.5	23.6	68.8	164.2	296.7	457.5	613.0	803.3	1048.5
30°	0.0	5.9	8.9	27.5	82.1	194.3	344.3	516.8	687.9	915.2	1205.3
27.5°	0.0	6.1	9.2	31.7	98.5	224.0	391.0	578.4	770.2	1027.0	1355.2
25°	0.0	6.2	9.5	36.1	115.3	253.2	436.6	639.4	863.0	1149.0	1498.1
22.5°	0.0	6.4	9.8	40.6	132.1	283.1	480.9	699.5	954.1	1271.0	1642.8
20°	0.0	6.6	10.1	45.3	148.7	315.1	523.7	758.2	1042.8	1386.1	1783.9
17.5°	0.0	6.7	10.4	50.1	165.1	346.0	566.0	815.3	1128.6	1494.2	1920.7
15°	0.0	6.8	10.7	54.9	181.0	375.8	606.7	868.3	1211.1	1594.9	2052.0
12.5°	0.0	7.0	11.0	59.7	196.4	404.2	644.7	915.6	1276.9	1688.2	2177.0
10°	0.0	7.1	11.3	64.4	211.2	431.0	680.0	959.2	1325.9	1744.2	2278.8
7.5°	0.0	7.2	11.6	68.9	225.1	456.0	712.5	998.9	1367.7	1787.6	2338.2
5°	0.0	7.3	11.8	73.3	238.1	479.2	741.9	1034.7	1402.5	1822.5	2386.5
2.5°	0.0	7.3	12.1	77.4	250.0	500.1	768.4	1066.4	1430.8	1849.4	2423.4
0°	0.0	7.4	12.3	81.1	260.6	518.8	791.7	1094.1	1453.0	1868.5	2448.8
-2.5°	0.0	7.8	14.2	86.4	270.5	530.6	803.3	1110.2	1461.0	1892.6	2465.3
-5°	0.0	8.2	16.1	91.2	279.0	539.9	811.7	1122.0	1463.7	1908.3	2470.5
-7.5°	0.0	8.6	17.9	95.6	285.8	546.7	817.2	1129.4	1461.7	1914.7	2465.0
-10°	0.0	9.0	19.7	99.4	291.1	551.0	819.6	1132.1	1455.4	1910.9	2449.4
-12.5°	0.0	9.3	21.4	102.6	294.5	552.7	819.2	1130.2	1445.3	1895.5	2422.5
-15°	0.0	9.6	23.0	105.1	296.2	551.9	815.9	1123.6	1433.9	1865.5	2383.5
-17.5°	0.0	9.9	24.5	106.9	296.0	548.6	810.0	1110.0	1420.0	1827.9	2332.8
-20°	0.0	10.1	25.8	108.0	293.9	542.8	800.7	1090.7	1400.1	1783.1	2270.2



REPORT NUMBER: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	10.3	27.1	108.3	289.7	534.5	787.3	1067.5	1374.3	1731.5	2195.9
-25°	0.0	10.5	28.1	107.8	283.5	521.7	770.9	1040.5	1342.4	1673.4	2109.8
-27.5°	0.0	10.6	29.1	106.5	275.3	505.6	751.3	1009.9	1304.3	1617.1	2033.5
-30°	0.0	10.7	29.8	104.3	264.9	487.4	728.6	975.8	1262.7	1569.6	1952.1
-32.5°	0.0	10.7	30.4	101.2	252.9	467.0	702.9	944.2	1218.5	1514.6	1865.0
-35°	0.0	10.7	30.8	97.3	239.5	444.5	675.1	910.9	1170.8	1452.3	1772.6
-37.5°	0.0	10.6	31.0	92.4	224.7	421.9	645.2	874.1	1119.7	1382.7	1681.4
-40°	0.0	10.5	31.0	86.6	208.7	401.4	613.1	833.9	1065.3	1316.9	1591.3
-42.5°	0.0	10.3	30.9	80.4	196.5	379.4	578.6	790.3	1012.7	1247.4	1494.3
-45°	0.0	10.1	30.5	74.1	188.2	356.1	542.0	745.2	958.9	1173.3	1393.7
-47.5°	0.0	9.9	29.9	66.9	178.4	331.4	503.4	700.0	901.3	1095.6	1306.8
-50°	0.0	9.6	29.2	64.5	167.1	305.4	471.0	652.7	837.6	1024.3	1215.7
-52.5°	0.0	9.2	28.3	63.2	154.3	278.1	438.7	603.2	776.7	950.8	1122.3
-55°	0.0	8.8	27.1	61.3	140.2	257.5	405.1	553.1	715.5	875.3	1039.3
-57.5°	0.0	8.4	25.8	58.6	124.7	236.6	370.3	513.3	652.3	802.9	954.6
-60°	0.0	7.9	24.4	55.3	108.5	213.7	334.9	469.4	589.0	729.9	869.9
-62.5°	0.0	7.4	22.9	51.4	100.8	189.0	302.6	421.5	530.5	654.8	787.0
-65°	0.0	6.9	21.3	46.9	92.0	162.6	267.9	371.9	468.4	579.4	702.1
-67.5°	0.0	6.3	19.5	41.8	82.2	140.6	231.1	322.6	403.1	500.7	610.4
-70°	0.0	5.7	17.6	36.3	71.5	123.0	192.2	272.2	344.6	418.5	512.8
-72.5°	0.0	5.0	15.7	31.9	60.0	104.2	162.6	220.6	285.0	350.3	416.5
-75°	0.0	4.4	13.6	27.8	47.7	84.1	132.9	177.8	224.3	281.3	339.0
-77.5°	0.0	3.7	11.5	23.4	39.4	63.1	101.8	137.4	174.5	214.6	260.3
-80°	0.0	3.0	9.3	18.9	31.9	48.1	69.5	96.3	124.9	156.0	189.4
-82.5°	0.0	2.2	7.0	14.3	24.1	36.4	51.0	61.8	74.7	96.5	120.1
-85°	0.0	1.5	4.7	9.6	16.1	24.4	34.2	41.3	48.7	56.3	64.3
-87.5°	0.0	0.7	2.4	4.8	8.1	12.2	17.2	20.7	24.4	28.2	32.2
-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: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-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°	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.8	1.9	2.0
85°	2.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	2.5	2.5	2.7	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5
72.5°	2.9	3.2	3.1	2.8	2.5	2.5	2.5	2.5	2.5	2.5	2.5
70°	3.9	4.0	3.5	2.9	2.5	2.6	2.9	2.8	2.5	2.5	2.5
67.5°	4.7	4.2	3.6	3.4	3.4	3.7	3.6	3.0	2.5	2.5	2.6
65°	4.8	4.3	6.1	6.9	5.1	4.4	3.8	3.2	3.4	3.5	3.6
62.5°	7.3	9.2	11.7	20.8	15.5	4.5	8.1	9.6	7.0	5.8	6.2
60°	24.0	16.3	48.4	69.4	43.3	15.8	19.3	64.2	55.7	10.2	34.7
57.5°	50.5	69.2	127.6	129.9	89.8	62.0	180.3	208.3	157.7	92.0	140.7
55°	111.1	170.8	211.6	195.8	213.9	324.0	384.9	345.8	291.1	447.8	572.1
52.5°	217.1	278.0	291.8	335.1	479.7	551.1	528.1	564.7	732.4	909.5	948.0
50°	320.5	370.3	409.1	591.6	704.7	711.9	764.4	930.4	1154.0	1262.4	1236.2
47.5°	420.5	472.1	652.8	828.2	879.0	948.6	1079.8	1400.4	1637.2	1641.8	1615.1
45°	526.2	664.0	894.7	1009.0	1091.4	1226.0	1543.2	1985.4	2008.3	2072.5	2467.6
42.5°	639.3	880.6	1081.9	1200.9	1334.0	1585.2	2008.5	2298.5	2398.3	2679.5	2997.2
40°	822.4	1089.9	1265.8	1417.8	1589.0	1955.6	2419.1	2690.9	2772.0	3015.4	3254.3
37.5°	1008.2	1264.7	1461.8	1645.1	1882.5	2377.2	2913.6	3137.7	3178.7	3223.2	3752.5
35°	1187.2	1444.0	1679.9	1919.8	2210.9	2923.1	3391.8	3602.6	3596.1	3896.6	4450.8
32.5°	1354.4	1627.2	1905.6	2226.6	2706.8	3436.5	3905.4	4031.6	4223.0	4660.2	5416.7
30°	1521.5	1831.6	2151.3	2533.6	3142.0	3774.4	4309.8	4512.8	4840.7	5339.7	5890.3
27.5°	1693.6	2041.2	2427.8	2875.8	3485.5	4066.9	4524.1	5009.2	5327.7	5775.0	6166.6
25°	1864.9	2263.0	2700.7	3174.9	3731.0	4272.8	4745.8	5305.9	5648.0	6008.6	6374.0
22.5°	2044.6	2488.0	2982.3	3412.0	3938.0	4447.9	5011.0	5618.6	6063.4	6292.5	6537.8
20°	2232.5	2731.3	3258.6	3734.6	4142.3	4610.6	5277.2	6015.4	6589.7	6847.5	6881.1
17.5°	2417.6	2967.1	3534.0	4049.3	4489.1	4905.9	5556.8	6491.0	7205.0	7444.7	7551.3
15°	2598.2	3193.9	3808.0	4355.6	4838.4	5348.1	6043.1	6993.1	7809.4	8074.7	8242.4
12.5°	2772.5	3410.2	4077.4	4651.8	5188.0	5759.7	6484.8	7354.4	8099.5	8612.6	8920.3
10°	2938.6	3614.4	4339.0	4936.1	5533.6	6141.5	6850.2	7623.6	8230.1	8725.0	9161.8
7.5°	3022.3	3747.8	4563.7	5206.7	5870.5	6494.3	7149.5	7813.3	8324.2	8809.6	9231.9
5°	3079.3	3802.7	4633.9	5301.0	6049.5	6729.6	7365.8	7938.0	8385.6	8866.7	9279.2
2.5°	3119.9	3838.2	4681.4	5352.6	6116.7	6802.0	7428.1	7979.6	8436.3	8907.5	9330.0
0°	3144.5	3855.1	4705.7	5384.3	6158.8	6849.6	7464.3	7995.3	8469.9	8927.2	9382.0
-2.5°	3158.4	3906.7	4721.8	5465.9	6199.5	6890.7	7515.0	8033.3	8529.2	8964.3	9420.3
-5°	3156.7	3937.4	4717.6	5520.7	6218.9	6906.7	7540.3	8050.5	8561.4	8992.2	9435.9
-7.5°	3139.5	3944.5	4696.3	5537.9	6219.7	6901.3	7529.2	8058.8	8560.9	9017.7	9437.4
-10°	3109.0	3916.7	4676.7	5493.5	6195.9	6873.3	7495.2	8040.7	8540.9	9012.6	9429.2
-12.5°	3073.0	3859.2	4635.7	5429.5	6147.4	6821.0	7443.6	7994.6	8503.5	8974.0	9410.4
-15°	3018.8	3782.7	4568.3	5348.3	6073.6	6744.9	7376.6	7919.4	8445.8	8906.5	9354.6
-17.5°	2946.2	3688.0	4473.5	5251.8	5974.2	6645.7	7290.6	7820.2	8344.1	8820.2	9252.6
-20°	2854.6	3575.7	4350.5	5142.2	5848.0	6512.4	7137.2	7691.9	8212.3	8696.6	9151.0



REPORT NUMBER: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-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°	2743.9	3446.7	4202.2	4994.3	5690.6	6347.5	6964.8	7528.3	8067.5	8536.0	9020.1
-25°	2633.0	3310.3	4038.3	4789.6	5507.6	6161.8	6780.9	7330.0	7881.0	8368.3	8828.2
-27.5°	2526.8	3152.0	3848.2	4564.1	5300.3	5951.4	6564.9	7114.4	7649.4	8182.1	8624.9
-30°	2407.6	2968.9	3639.6	4323.6	5041.2	5704.0	6322.2	6892.3	7401.5	7927.5	8402.9
-32.5°	2276.1	2774.7	3419.4	4077.3	4754.0	5431.5	6043.9	6610.2	7139.9	7637.5	8136.5
-35°	2147.5	2617.9	3186.0	3813.0	4449.8	5114.4	5727.3	6288.1	6837.8	7330.7	7807.6
-37.5°	2031.7	2448.1	2938.0	3536.9	4145.4	4774.1	5397.4	5940.3	6463.4	7005.3	7470.3
-40°	1906.5	2265.7	2723.2	3252.5	3826.1	4423.9	5020.8	5582.4	6074.1	6609.6	7121.1
-42.5°	1775.4	2117.2	2511.2	2951.5	3492.9	4056.6	4632.7	5182.2	5692.8	6198.0	6704.8
-45°	1660.6	1960.0	2295.6	2697.9	3138.7	3668.8	4214.3	4762.0	5252.0	5733.5	6234.0
-47.5°	1538.5	1801.9	2112.3	2433.6	2816.7	3260.0	3773.0	4278.2	4779.7	5237.8	5680.8
-50°	1416.9	1659.7	1914.7	2204.0	2520.2	2879.5	3305.5	3775.1	4233.4	4703.6	5142.3
-52.5°	1312.1	1510.1	1740.5	1981.9	2252.6	2549.9	2891.2	3276.9	3693.7	4092.8	4530.5
-55°	1203.3	1381.8	1567.8	1780.3	2005.6	2256.5	2536.3	2860.5	3178.4	3547.6	3904.9
-57.5°	1104.1	1254.6	1413.3	1588.7	1784.4	1985.2	2229.7	2482.0	2770.5	3057.4	3340.4
-60°	1010.6	1133.5	1268.2	1416.8	1574.0	1752.7	1935.2	2151.8	2384.2	2613.2	2853.3
-62.5°	916.3	1019.7	1129.5	1252.9	1390.0	1525.0	1680.9	1847.7	2018.7	2212.8	2402.2
-65°	819.4	903.0	996.0	1098.4	1207.8	1322.8	1442.5	1566.1	1711.5	1853.7	1991.4
-67.5°	716.4	788.0	863.2	943.8	1035.6	1125.9	1216.1	1320.4	1427.5	1532.8	1641.9
-70°	602.3	669.8	732.5	797.9	866.0	936.8	1013.9	1090.4	1165.9	1244.8	1332.4
-72.5°	486.2	548.4	603.5	651.8	707.8	766.6	822.9	876.6	933.6	993.5	1052.8
-75°	387.8	428.8	478.1	523.1	567.7	609.1	646.2	691.8	739.4	782.9	818.7
-77.5°	302.7	340.0	373.7	403.9	439.3	480.8	517.0	548.1	578.3	611.2	646.1
-80°	220.2	251.2	281.9	309.8	330.2	353.7	381.4	413.1	440.6	463.0	483.4
-82.5°	142.2	164.5	187.4	210.7	220.1	226.6	232.6	243.7	260.7	277.5	293.5
-85°	70.9	77.4	91.3	105.6	110.5	114.0	116.4	117.7	123.4	128.8	133.4
-87.5°	35.5	38.7	41.9	45.1	43.5	41.1	38.3	34.8	34.0	33.0	31.7
-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: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-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°	2.0	2.1	2.2	2.2	2.3	1.7	1.2	0.6	0.0	0.0	0.0
85°	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.3	2.3	1.8	1.2
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
72.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
70°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
67.5°	2.7	2.5	2.5	2.5	2.6	2.5	2.5	2.5	2.5	2.2	1.6
65°	3.5	3.4	3.6	3.4	3.1	2.9	3.1	3.0	2.7	2.2	1.5
62.5°	6.2	7.0	5.5	5.4	5.3	5.2	5.0	4.7	4.4	4.2	4.3
60°	38.6	22.8	13.3	15.6	14.0	9.3	11.8	13.9	14.0	12.8	11.3
57.5°	213.7	159.6	118.1	282.1	283.0	135.1	162.7	255.8	210.7	69.2	64.2
55°	594.5	711.0	935.9	888.9	903.4	1039.0	1134.5	1004.4	984.6	1049.2	1212.1
52.5°	1068.0	1179.2	1254.8	1325.5	1411.6	1504.2	1599.5	1660.2	1716.8	1777.2	1813.2
50°	1363.9	1520.5	1628.0	1588.5	1811.2	1902.4	1809.8	1892.5	1993.5	2021.1	2034.1
47.5°	2013.9	2243.5	2289.1	2437.1	2570.0	2567.1	2454.3	2460.8	2761.2	3026.2	3156.3
45°	2894.3	2902.1	3046.5	3307.7	3494.4	3435.7	3593.2	3951.4	4070.7	4186.0	4280.5
42.5°	3237.3	3379.4	3609.8	3840.8	3980.0	4100.7	4217.4	4349.1	4503.9	4629.4	4729.8
40°	3569.4	3683.9	3919.8	4105.9	4221.1	4333.8	4469.8	4615.6	4757.3	4867.7	4943.0
37.5°	4080.5	4169.3	4226.8	4399.4	4617.5	4516.8	4774.8	4959.7	5044.2	5156.3	5166.4
35°	4853.8	4794.8	4718.2	5405.6	5446.8	5214.6	5455.8	5742.5	5591.4	5906.2	6075.4
32.5°	5539.4	5530.5	6130.5	6491.9	6283.9	6453.7	7009.8	6985.1	7355.7	7527.7	7478.7
30°	6185.2	6405.6	6752.6	7021.7	7057.8	7325.4	7572.3	7788.7	8012.4	8213.0	8226.8
27.5°	6513.1	6800.7	7036.3	7192.0	7365.8	7591.0	7815.1	8058.7	8249.0	8374.8	8405.5
25°	6711.4	7005.3	7183.6	7351.2	7543.1	7737.4	7988.3	8253.6	8406.4	8484.1	8508.8
22.5°	6886.4	7150.4	7342.1	7478.1	7684.5	7893.6	8127.5	8352.1	8518.2	8552.0	8564.4
20°	7054.7	7308.4	7628.6	7828.7	7818.8	8054.3	8279.7	8458.3	8596.8	8596.0	8599.3
17.5°	7541.6	7632.2	8213.3	8654.4	8436.0	8320.8	8940.7	8952.5	8989.3	8916.1	8757.4
15°	8262.5	8427.4	9141.3	9619.5	9469.0	9461.1	10356.5	10134.5	10325.6	10275.5	10490.6
12.5°	9026.2	9221.4	9754.9	10224.5	10448.3	10503.3	10802.4	11082.6	11140.2	11117.5	11075.2
10°	9546.4	9824.5	10038.8	10323.9	10549.6	10779.8	10953.1	11154.3	11220.2	11182.1	11128.2
7.5°	9614.1	9889.0	10140.6	10390.7	10605.6	10791.2	10970.9	11134.8	11201.9	11179.7	11142.7
5°	9657.2	9906.2	10150.1	10403.8	10609.4	10781.3	10960.5	11126.4	11166.0	11139.4	11103.3
2.5°	9683.8	9914.2	10149.3	10402.0	10588.7	10752.3	10933.7	11110.8	11110.4	11098.8	11077.7
0°	9696.7	9927.8	10200.7	10429.4	10638.3	10793.2	10972.7	11144.8	11132.5	11100.6	11063.7
-2.5°	9724.3	9958.5	10237.0	10426.5	10662.1	10804.0	10989.5	11138.5	11132.8	11117.1	11098.8
-5°	9748.9	10012.3	10272.9	10472.1	10708.3	10893.9	11078.2	11194.7	11201.0	11179.1	11148.3
-7.5°	9764.0	10055.9	10304.5	10504.6	10733.7	10949.4	11136.5	11258.7	11261.5	11232.3	11195.6
-10°	9759.0	10067.2	10323.0	10529.9	10764.5	10977.5	11173.1	11328.1	11323.1	11295.4	11264.0
-12.5°	9740.5	10048.4	10311.1	10518.6	10785.0	11004.3	11224.2	11378.5	11386.7	11365.9	11332.0
-15°	9700.0	10017.8	10273.4	10500.0	10761.1	11017.5	11243.4	11413.6	11444.0	11427.0	11400.1
-17.5°	9620.0	9955.3	10226.4	10470.5	10721.1	10994.3	11251.3	11437.4	11478.9	11472.2	11449.9
-20°	9514.8	9860.9	10136.1	10391.9	10664.5	10946.1	11245.1	11415.2	11475.4	11479.2	11464.1



REPORT NUMBER: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-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°	9396.7	9735.5	10027.4	10279.0	10574.6	10859.5	11130.5	11329.6	11430.8	11449.6	11450.8
-25°	9255.1	9603.3	9893.3	10161.2	10436.2	10730.4	11004.1	11226.5	11329.0	11378.0	11393.2
-27.5°	9055.0	9414.9	9700.4	9983.4	10263.2	10567.2	10854.8	11096.6	11179.9	11247.3	11274.3
-30°	8820.7	9176.5	9467.6	9726.3	10046.4	10356.3	10653.2	10864.1	10989.9	11067.0	11109.1
-32.5°	8551.1	8910.4	9215.8	9486.1	9790.3	10100.1	10379.5	10601.9	10775.4	10864.3	10909.3
-35°	8258.9	8625.7	8945.4	9230.1	9516.5	9811.9	10101.3	10334.0	10531.7	10608.0	10664.4
-37.5°	7906.4	8311.0	8638.9	8932.5	9204.6	9482.3	9783.6	10049.7	10241.7	10315.7	10375.2
-40°	7544.9	7936.0	8266.7	8579.8	8848.9	9152.1	9442.4	9721.3	9887.8	9974.2	10041.5
-42.5°	7163.4	7516.7	7831.1	8135.3	8434.8	8747.0	9037.1	9327.0	9471.0	9575.1	9657.7
-45°	6722.9	7051.6	7357.2	7641.9	7950.7	8257.5	8547.8	8804.0	8975.3	9111.0	9216.5
-47.5°	6135.7	6536.1	6842.9	7113.6	7419.8	7715.9	7997.2	8238.0	8426.0	8584.6	8707.2
-50°	5539.2	5923.5	6269.5	6573.7	6857.8	7131.6	7399.4	7634.9	7833.8	8005.7	8129.9
-52.5°	4951.8	5311.9	5655.3	5969.3	6242.4	6500.8	6745.8	6982.8	7192.5	7376.3	7496.4
-55°	4288.1	4661.1	5000.8	5293.6	5566.5	5821.9	6063.8	6288.6	6495.1	6682.2	6797.3
-57.5°	3665.5	3992.7	4308.7	4579.1	4836.6	5079.9	5309.2	5524.4	5723.1	5899.3	6010.3
-60°	3093.2	3331.8	3603.7	3853.3	4081.6	4288.7	4502.7	4703.3	4885.9	5040.7	5144.1
-62.5°	2587.3	2785.0	2981.4	3171.2	3356.4	3542.4	3721.6	3888.0	4040.5	4167.4	4258.0
-65°	2136.6	2295.5	2437.5	2572.1	2700.3	2847.0	2983.3	3111.4	3230.0	3327.3	3396.2
-67.5°	1759.4	1871.0	1969.2	2061.5	2162.7	2266.4	2363.5	2448.2	2520.7	2578.3	2623.9
-70°	1418.8	1500.9	1575.0	1648.6	1722.4	1789.9	1854.2	1916.5	1975.7	2023.9	2060.1
-72.5°	1111.1	1167.2	1217.6	1274.3	1327.5	1378.6	1423.2	1459.1	1487.0	1514.2	1537.9
-75°	847.1	889.2	946.1	994.1	1033.8	1068.9	1101.1	1129.8	1155.0	1177.3	1197.0
-77.5°	681.3	717.1	753.3	788.4	822.3	847.5	870.9	894.3	917.2	937.0	954.5
-80°	505.0	531.7	559.6	587.7	615.8	629.7	640.8	651.1	660.2	672.0	683.0
-82.5°	308.7	323.9	339.4	355.1	370.8	374.8	376.1	375.8	373.8	369.5	363.0
-85°	137.4	138.2	137.7	136.2	133.6	128.1	121.5	113.8	105.1	103.8	102.2
-87.5°	30.2	29.6	28.8	27.8	26.7	26.7	26.5	26.3	26.1	27.0	27.8
-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: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-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	0.6
85°	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	2.3	2.3
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.5	2.5	2.5
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
72.5°	2.5	2.5	1.3	0.0	1.3	2.5	2.5	2.5	2.5	2.5	2.5
70°	2.5	2.5	1.3	0.0	1.3	2.5	2.5	2.5	2.5	2.5	2.5
67.5°	0.9	0.2	0.0	0.0	0.0	0.2	0.9	1.6	2.2	2.5	2.5
65°	0.8	0.1	0.0	0.0	0.0	0.1	0.8	1.5	2.2	2.7	3.0
62.5°	4.5	4.7	4.8	4.9	4.8	4.7	4.5	4.3	4.2	4.4	4.7
60°	8.9	5.8	4.9	4.9	4.9	5.8	8.9	11.3	12.8	14.0	13.9
57.5°	54.3	40.5	34.5	32.0	34.5	40.5	54.3	64.2	69.2	210.7	255.8
55°	1328.7	1396.4	1446.8	1470.2	1446.8	1396.4	1328.7	1212.1	1049.2	984.6	1004.4
52.5°	1844.9	1874.3	1891.3	1890.7	1891.3	1874.3	1844.9	1813.2	1777.2	1716.8	1660.2
50°	2056.3	2070.6	2075.7	2072.6	2075.7	2070.6	2056.3	2034.1	2021.1	1993.5	1892.5
47.5°	3037.4	2774.5	2581.2	2534.8	2581.2	2774.5	3037.4	3156.3	3026.2	2761.2	2460.8
45°	4325.9	4425.6	4524.9	4555.8	4524.9	4425.6	4325.9	4280.5	4186.0	4070.7	3951.4
42.5°	4772.1	4804.6	4823.0	4823.8	4823.0	4804.6	4772.1	4729.8	4629.4	4503.9	4349.1
40°	4985.1	5015.7	5033.6	5035.2	5033.6	5015.7	4985.1	4943.0	4867.7	4757.3	4615.6
37.5°	5178.6	5204.6	5221.8	5239.3	5221.8	5204.6	5178.6	5166.4	5156.3	5044.2	4959.7
35°	6052.5	5854.6	5569.8	5613.0	5569.8	5854.6	6052.5	6075.4	5906.2	5591.4	5742.5
32.5°	7555.3	7638.6	7690.5	7779.0	7690.5	7638.6	7555.3	7478.7	7527.7	7355.7	6985.1
30°	8248.7	8276.2	8317.8	8361.7	8317.8	8276.2	8248.7	8226.8	8213.0	8012.4	7788.7
27.5°	8421.7	8450.2	8475.5	8494.4	8475.5	8450.2	8421.7	8405.5	8374.8	8249.0	8058.7
25°	8512.3	8530.0	8556.9	8580.5	8556.9	8530.0	8512.3	8508.8	8484.1	8406.4	8253.6
22.5°	8557.3	8559.1	8580.1	8610.0	8580.1	8559.1	8557.3	8564.4	8552.0	8518.2	8352.1
20°	8588.1	8571.4	8593.2	8612.5	8593.2	8571.4	8588.1	8599.3	8596.0	8596.8	8458.3
17.5°	8981.2	8756.9	8664.8	8666.5	8664.8	8756.9	8981.2	8757.4	8916.1	8989.3	8952.5
15°	10249.2	10333.3	10655.9	10830.1	10655.9	10333.3	10249.2	10490.6	10275.5	10325.6	10134.5
12.5°	11067.4	11037.5	10999.2	11051.4	10999.2	11037.5	11067.4	11075.2	11117.5	11140.2	11082.6
10°	11105.3	11101.9	11033.6	11107.9	11033.6	11101.9	11105.3	11128.2	11182.1	11220.2	11154.3
7.5°	11082.1	11084.2	11055.1	11127.6	11055.1	11084.2	11082.1	11142.7	11179.7	11201.9	11134.8
5°	11097.4	11047.5	11066.4	11107.9	11066.4	11047.5	11097.4	11103.3	11139.4	11166.0	11126.4
2.5°	11054.5	11049.3	11012.5	11041.5	11012.5	11049.3	11054.5	11077.7	11098.8	11110.4	11110.8
0°	11021.9	10994.8	10994.8	11019.4	10994.8	10994.8	11021.9	11063.7	11100.6	11132.5	11144.8
-2.5°	11080.0	11074.3	11070.8	11053.8	11070.8	11074.3	11080.0	11098.8	11117.1	11132.8	11138.5
-5°	11127.8	11113.2	11072.9	11127.6	11072.9	11113.2	11127.8	11148.3	11179.1	11201.0	11194.7
-7.5°	11179.2	11141.9	11103.7	11189.1	11103.7	11141.9	11179.2	11195.6	11232.3	11261.5	11258.7
-10°	11226.2	11172.2	11135.0	11218.6	11135.0	11172.2	11226.2	11264.0	11295.4	11323.1	11328.1
-12.5°	11288.3	11225.2	11200.3	11245.6	11200.3	11225.2	11288.3	11332.0	11365.9	11386.7	11378.5
-15°	11354.5	11310.8	11304.9	11331.7	11304.9	11310.8	11354.5	11400.1	11427.0	11444.0	11413.6
-17.5°	11412.6	11381.9	11397.1	11427.5	11397.1	11381.9	11412.6	11449.9	11472.2	11478.9	11437.4
-20°	11440.4	11423.2	11440.3	11516.1	11440.3	11423.2	11440.4	11464.1	11479.2	11475.4	11415.2



REPORT NUMBER: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-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°	11438.0	11439.1	11469.2	11493.9	11469.2	11439.1	11438.0	11450.8	11449.6	11430.8	11329.6
-25°	11394.4	11417.4	11451.9	11501.3	11451.9	11417.4	11394.4	11393.2	11378.0	11329.0	11226.5
-27.5°	11289.1	11327.3	11363.4	11415.3	11363.4	11327.3	11289.1	11274.3	11247.3	11179.9	11096.6
-30°	11136.9	11182.3	11214.5	11270.2	11214.5	11182.3	11136.9	11109.1	11067.0	10989.9	10864.1
-32.5°	10951.7	11003.1	11041.2	11080.9	11041.2	11003.1	10951.7	10909.3	10864.3	10775.4	10601.9
-35°	10720.2	10775.6	10816.0	10852.2	10816.0	10775.6	10720.2	10664.4	10608.0	10531.7	10334.0
-37.5°	10442.0	10501.7	10547.8	10589.2	10547.8	10501.7	10442.0	10375.2	10315.7	10241.7	10049.7
-40°	10117.9	10179.1	10228.3	10274.5	10228.3	10179.1	10117.9	10041.5	9974.2	9887.8	9721.3
-42.5°	9739.0	9800.8	9851.6	9898.3	9851.6	9800.8	9739.0	9657.7	9575.1	9471.0	9327.0
-45°	9301.5	9365.1	9418.8	9468.0	9418.8	9365.1	9301.5	9216.5	9111.0	8975.3	8804.0
-47.5°	8797.5	8865.6	8911.5	8934.5	8911.5	8865.6	8797.5	8707.2	8584.6	8426.0	8238.0
-50°	8219.9	8287.9	8343.0	8383.8	8343.0	8287.9	8219.9	8129.9	8005.7	7833.8	7634.9
-52.5°	7584.1	7648.8	7696.3	7724.9	7696.3	7648.8	7584.1	7496.4	7376.3	7192.5	6982.8
-55°	6887.8	6955.7	7000.7	7021.7	7000.7	6955.7	6887.8	6797.3	6682.2	6495.1	6288.6
-57.5°	6098.2	6162.7	6210.5	6237.5	6210.5	6162.7	6098.2	6010.3	5899.3	5723.1	5524.4
-60°	5224.7	5282.3	5318.5	5332.7	5318.5	5282.3	5224.7	5144.1	5040.7	4885.9	4703.3
-62.5°	4331.1	4385.6	4419.6	4432.8	4419.6	4385.6	4331.1	4258.0	4167.4	4040.5	3888.0
-65°	3447.7	3481.9	3500.7	3503.5	3500.7	3481.9	3447.7	3396.2	3327.3	3230.0	3111.4
-67.5°	2659.8	2685.8	2701.6	2706.9	2701.6	2685.8	2659.8	2623.9	2578.3	2520.7	2448.2
-70°	2087.1	2105.0	2115.1	2116.8	2115.1	2105.0	2087.1	2060.1	2023.9	1975.7	1916.5
-72.5°	1556.0	1568.9	1564.3	1553.8	1564.3	1568.9	1556.0	1537.9	1514.2	1487.0	1459.1
-75°	1213.9	1228.0	1222.1	1212.1	1222.1	1228.0	1213.9	1197.0	1177.3	1155.0	1129.8
-77.5°	969.7	982.6	976.3	966.2	976.3	982.6	969.7	954.5	937.0	917.2	894.3
-80°	692.5	700.1	705.4	708.1	705.4	700.1	692.5	683.0	672.0	660.2	651.1
-82.5°	354.5	344.1	337.5	329.5	337.5	344.1	354.5	363.0	369.5	373.8	375.8
-85°	100.2	97.8	99.4	100.8	99.4	97.8	100.2	102.2	103.8	105.1	113.8
-87.5°	28.6	29.4	29.5	29.5	29.5	29.4	28.6	27.8	27.0	26.1	26.3
-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: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-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°	1.2	1.7	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.8
85°	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
72.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
70°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.8
67.5°	2.5	2.5	2.6	2.5	2.5	2.5	2.7	2.6	2.5	2.5	3.0
65°	3.1	2.9	3.1	3.4	3.6	3.4	3.5	3.6	3.5	3.4	3.2
62.5°	5.0	5.2	5.3	5.4	5.5	7.0	6.2	6.2	5.8	7.0	9.6
60°	11.8	9.3	14.0	15.6	13.3	22.8	38.6	34.7	10.2	55.7	64.2
57.5°	162.7	135.1	283.0	282.1	118.1	159.6	213.7	140.7	92.0	157.7	208.3
55°	1134.5	1039.0	903.4	888.9	935.9	711.0	594.5	572.1	447.8	291.1	345.8
52.5°	1599.5	1504.2	1411.6	1325.5	1254.8	1179.2	1068.0	948.0	909.5	732.4	564.7
50°	1809.8	1902.4	1811.2	1588.5	1628.0	1520.5	1363.9	1236.2	1262.4	1154.0	930.4
47.5°	2454.3	2567.1	2570.0	2437.1	2289.1	2243.5	2013.9	1615.1	1641.8	1637.2	1400.4
45°	3593.2	3435.7	3494.4	3307.7	3046.5	2902.1	2894.3	2467.6	2072.5	2008.3	1985.4
42.5°	4217.4	4100.7	3980.0	3840.8	3609.8	3379.4	3237.3	2997.2	2679.5	2398.3	2298.5
40°	4469.8	4333.8	4221.1	4105.9	3919.8	3683.9	3569.4	3254.3	3015.4	2772.0	2690.9
37.5°	4774.8	4516.8	4617.5	4399.4	4226.8	4169.3	4080.5	3752.5	3223.2	3178.7	3137.7
35°	5455.8	5214.6	5446.8	5405.6	4718.2	4794.8	4853.8	4450.8	3896.6	3596.1	3602.6
32.5°	7009.8	6453.7	6283.9	6491.9	6130.5	5530.5	5539.4	5416.7	4660.2	4223.0	4031.6
30°	7572.3	7325.4	7057.8	7021.7	6752.6	6405.6	6185.2	5890.3	5339.7	4840.7	4512.8
27.5°	7815.1	7591.0	7365.8	7192.0	7036.3	6800.7	6513.1	6166.6	5775.0	5327.7	5009.2
25°	7988.3	7737.4	7543.1	7351.2	7183.6	7005.3	6711.4	6374.0	6008.6	5648.0	5305.9
22.5°	8127.5	7893.6	7684.5	7478.1	7342.1	7150.4	6886.4	6537.8	6292.5	6063.4	5618.6
20°	8279.7	8054.3	7818.8	7828.7	7628.6	7308.4	7054.7	6881.1	6847.5	6589.7	6015.4
17.5°	8940.7	8320.8	8436.0	8654.4	8213.3	7632.2	7541.6	7551.3	7444.7	7205.0	6491.0
15°	10356.5	9461.1	9469.0	9619.5	9141.3	8427.4	8262.5	8242.4	8074.7	7809.4	6993.1
12.5°	10802.4	10503.3	10448.3	10224.5	9754.9	9221.4	9026.2	8920.3	8612.6	8099.5	7354.4
10°	10953.1	10779.8	10549.6	10323.9	10038.8	9824.5	9546.4	9161.8	8725.0	8230.1	7623.6
7.5°	10970.9	10791.2	10605.6	10390.7	10140.6	9889.0	9614.1	9231.9	8809.6	8324.2	7813.3
5°	10960.5	10781.3	10609.4	10403.8	10150.1	9906.2	9657.2	9279.2	8866.7	8385.6	7938.0
2.5°	10933.7	10752.3	10588.7	10402.0	10149.3	9914.2	9683.8	9330.0	8907.5	8436.3	7979.6
0°	10972.7	10793.2	10638.3	10429.4	10200.7	9927.8	9696.7	9382.0	8927.2	8469.9	7995.3
-2.5°	10989.5	10804.0	10662.1	10426.5	10237.0	9958.5	9724.3	9420.3	8964.3	8529.2	8033.3
-5°	11078.2	10893.9	10708.3	10472.1	10272.9	10012.3	9748.9	9435.9	8992.2	8561.4	8050.5
-7.5°	11136.5	10949.4	10733.7	10504.6	10304.5	10055.9	9764.0	9437.4	9017.7	8560.9	8058.8
-10°	11173.1	10977.5	10764.5	10529.9	10323.0	10067.2	9759.0	9429.2	9012.6	8540.9	8040.7
-12.5°	11224.2	11004.3	10785.0	10518.6	10311.1	10048.4	9740.5	9410.4	8974.0	8503.5	7994.6
-15°	11243.4	11017.5	10761.1	10500.0	10273.4	10017.8	9700.0	9354.6	8906.5	8445.8	7919.4
-17.5°	11251.3	10994.3	10721.1	10470.5	10226.4	9955.3	9620.0	9252.6	8820.2	8344.1	7820.2
-20°	11245.1	10946.1	10664.5	10391.9	10136.1	9860.9	9514.8	9151.0	8696.6	8212.3	7691.9

Classified

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

Scaled Data Report



REPORT NUMBER: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-730-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°	11130.5	10859.5	10574.6	10279.0	10027.4	9735.5	9396.7	9020.1	8536.0	8067.5	7528.3
-25°	11004.1	10730.4	10436.2	10161.2	9893.3	9603.3	9255.1	8828.2	8368.3	7881.0	7330.0
-27.5°	10854.8	10567.2	10263.2	9983.4	9700.4	9414.9	9055.0	8624.9	8182.1	7649.4	7114.4
-30°	10653.2	10356.3	10046.4	9726.3	9467.6	9176.5	8820.7	8402.9	7927.5	7401.5	6892.3
-32.5°	10379.5	10100.1	9790.3	9486.1	9215.8	8910.4	8551.1	8136.5	7637.5	7139.9	6610.2
-35°	10101.3	9811.9	9516.5	9230.1	8945.4	8625.7	8258.9	7807.6	7330.7	6837.8	6288.1
-37.5°	9783.6	9482.3	9204.6	8932.5	8638.9	8311.0	7906.4	7470.3	7005.3	6463.4	5940.3
-40°	9442.4	9152.1	8848.9	8579.8	8266.7	7936.0	7544.9	7121.1	6609.6	6074.1	5582.4
-42.5°	9037.1	8747.0	8434.8	8135.3	7831.1	7516.7	7163.4	6704.8	6198.0	5692.8	5182.2
-45°	8547.8	8257.5	7950.7	7641.9	7357.2	7051.6	6722.9	6234.0	5733.5	5252.0	4762.0
-47.5°	7997.2	7715.9	7419.8	7113.6	6842.9	6536.1	6135.7	5680.8	5237.8	4779.7	4278.2
-50°	7399.4	7131.6	6857.8	6573.7	6269.5	5923.5	5539.2	5142.3	4703.6	4233.4	3775.1
-52.5°	6745.8	6500.8	6242.4	5969.3	5655.3	5311.9	4951.8	4530.5	4092.8	3693.7	3276.9
-55°	6063.8	5821.9	5566.5	5293.6	5000.8	4661.1	4288.1	3904.9	3547.6	3178.4	2860.5
-57.5°	5309.2	5079.9	4836.6	4579.1	4308.7	3992.7	3665.5	3340.4	3057.4	2770.5	2482.0
-60°	4502.7	4288.7	4081.6	3853.3	3603.7	3331.8	3093.2	2853.3	2613.2	2384.2	2151.8
-62.5°	3721.6	3542.4	3356.4	3171.2	2981.4	2785.0	2587.3	2402.2	2212.8	2018.7	1847.7
-65°	2983.3	2847.0	2700.3	2572.1	2437.5	2295.5	2136.6	1991.4	1853.7	1711.5	1566.1
-67.5°	2363.5	2266.4	2162.7	2061.5	1969.2	1871.0	1759.4	1641.9	1532.8	1427.5	1320.4
-70°	1854.2	1789.9	1722.4	1648.6	1575.0	1500.9	1418.8	1332.4	1244.8	1165.9	1090.4
-72.5°	1423.2	1378.6	1327.5	1274.3	1217.6	1167.2	1111.1	1052.8	993.5	933.6	876.6
-75°	1101.1	1068.9	1033.8	994.1	946.1	889.2	847.1	818.7	782.9	739.4	691.8
-77.5°	870.9	847.5	822.3	788.4	753.3	717.1	681.3	646.1	611.2	578.3	548.1
-80°	640.8	629.7	615.8	587.7	559.6	531.7	505.0	483.4	463.0	440.6	413.1
-82.5°	376.1	374.8	370.8	355.1	339.4	323.9	308.7	293.5	277.5	260.7	243.7
-85°	121.5	128.1	133.6	136.2	137.7	138.2	137.4	133.4	128.8	123.4	117.7
-87.5°	26.5	26.7	26.7	27.8	28.8	29.6	30.2	31.7	33.0	34.0	34.8
-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: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-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°	1.7	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.2	1.3	1.3
85°	2.5	2.5	2.5	2.5	2.5	2.5	2.3	2.1	2.4	2.5	2.6
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.1	3.7	3.9
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	3.2	3.8	4.4
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	3.2	3.8	4.4
75°	2.5	2.5	2.5	2.6	2.7	2.5	2.5	2.7	3.3	3.9	4.4
72.5°	2.5	2.5	2.5	2.8	3.1	3.2	2.9	2.7	3.3	3.9	4.5
70°	2.9	2.6	2.5	2.9	3.5	4.0	3.9	3.9	3.4	4.0	4.5
67.5°	3.6	3.7	3.4	3.4	3.6	4.2	4.7	5.6	5.5	4.1	4.6
65°	3.8	4.4	5.1	6.9	6.1	4.3	4.8	9.6	7.7	6.5	4.7
62.5°	8.1	4.5	15.5	20.8	11.7	9.2	7.3	21.4	13.5	9.1	6.6
60°	19.3	15.8	43.3	69.4	48.4	16.3	24.0	37.2	34.1	11.8	9.3
57.5°	180.3	62.0	89.8	129.9	127.6	69.2	50.5	67.4	58.0	33.4	13.1
55°	384.9	324.0	213.9	195.8	211.6	170.8	111.1	109.1	89.5	62.0	21.3
52.5°	528.1	551.1	479.7	335.1	291.8	278.0	217.1	158.2	140.5	93.1	53.9
50°	764.4	711.9	704.7	591.6	409.1	370.3	320.5	247.1	197.1	133.1	91.0
47.5°	1079.8	948.6	879.0	828.2	652.8	472.1	420.5	338.0	259.6	191.8	130.0
45°	1543.2	1226.0	1091.4	1009.0	894.7	664.0	526.2	426.3	338.3	257.5	170.7
42.5°	2008.5	1585.2	1334.0	1200.9	1081.9	880.6	639.3	528.0	415.0	324.3	222.3
40°	2419.1	1955.6	1589.0	1417.8	1265.8	1089.9	822.4	636.9	490.2	393.1	281.1
37.5°	2913.6	2377.2	1882.5	1645.1	1461.8	1264.7	1008.2	750.6	580.6	465.3	340.0
35°	3391.8	2923.1	2210.9	1919.8	1679.9	1444.0	1187.2	885.0	691.6	538.7	398.9
32.5°	3905.4	3436.5	2706.8	2226.6	1905.6	1627.2	1354.4	1048.5	803.3	613.0	457.5
30°	4309.8	3774.4	3142.0	2533.6	2151.3	1831.6	1521.5	1205.3	915.2	687.9	516.8
27.5°	4524.1	4066.9	3485.5	2875.8	2427.8	2041.2	1693.6	1355.2	1027.0	770.2	578.4
25°	4745.8	4272.8	3731.0	3174.9	2700.7	2263.0	1864.9	1498.1	1149.0	863.0	639.4
22.5°	5011.0	4447.9	3938.0	3412.0	2982.3	2488.0	2044.6	1642.8	1271.0	954.1	699.5
20°	5277.2	4610.6	4142.3	3734.6	3258.6	2731.3	2232.5	1783.9	1386.1	1042.8	758.2
17.5°	5556.8	4905.9	4489.1	4049.3	3534.0	2967.1	2417.6	1920.7	1494.2	1128.6	815.3
15°	6043.1	5348.1	4838.4	4355.6	3808.0	3193.9	2598.2	2052.0	1594.9	1211.1	868.3
12.5°	6484.8	5759.7	5188.0	4651.8	4077.4	3410.2	2772.5	2177.0	1688.2	1276.9	915.6
10°	6850.2	6141.5	5533.6	4936.1	4339.0	3614.4	2938.6	2278.8	1744.2	1325.9	959.2
7.5°	7149.5	6494.3	5870.5	5206.7	4563.7	3747.8	3022.3	2338.2	1787.6	1367.7	998.9
5°	7365.8	6729.6	6049.5	5301.0	4633.9	3802.7	3079.3	2386.5	1822.5	1402.5	1034.7
2.5°	7428.1	6802.0	6116.7	5352.6	4681.4	3838.2	3119.9	2423.4	1849.4	1430.8	1066.4
0°	7464.3	6849.6	6158.8	5384.3	4705.7	3855.1	3144.5	2448.8	1868.5	1453.0	1094.1
-2.5°	7515.0	6890.7	6199.5	5465.9	4721.8	3906.7	3158.4	2465.3	1892.6	1461.0	1110.2
-5°	7540.3	6906.7	6218.9	5520.7	4717.6	3937.4	3156.7	2470.5	1908.3	1463.7	1122.0
-7.5°	7529.2	6901.3	6219.7	5537.9	4696.3	3944.5	3139.5	2465.0	1914.7	1461.7	1129.4
-10°	7495.2	6873.3	6195.9	5493.5	4676.7	3916.7	3109.0	2449.4	1910.9	1455.4	1132.1
-12.5°	7443.6	6821.0	6147.4	5429.5	4635.7	3859.2	3073.0	2422.5	1895.5	1445.3	1130.2
-15°	7376.6	6744.9	6073.6	5348.3	4568.3	3782.7	3018.8	2383.5	1865.5	1433.9	1123.6
-17.5°	7290.6	6645.7	5974.2	5251.8	4473.5	3688.0	2946.2	2332.8	1827.9	1420.0	1110.0
-20°	7137.2	6512.4	5848.0	5142.2	4350.5	3575.7	2854.6	2270.2	1783.1	1400.1	1090.7



REPORT NUMBER: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6964.8	6347.5	5690.6	4994.3	4202.2	3446.7	2743.9	2195.9	1731.5	1374.3	1067.5
-25°	6780.9	6161.8	5507.6	4789.6	4038.3	3310.3	2633.0	2109.8	1673.4	1342.4	1040.5
-27.5°	6564.9	5951.4	5300.3	4564.1	3848.2	3152.0	2526.8	2033.5	1617.1	1304.3	1009.9
-30°	6322.2	5704.0	5041.2	4323.6	3639.6	2968.9	2407.6	1952.1	1569.6	1262.7	975.8
-32.5°	6043.9	5431.5	4754.0	4077.3	3419.4	2774.7	2276.1	1865.0	1514.6	1218.5	944.2
-35°	5727.3	5114.4	4449.8	3813.0	3186.0	2617.9	2147.5	1772.6	1452.3	1170.8	910.9
-37.5°	5397.4	4774.1	4145.4	3536.9	2938.0	2448.1	2031.7	1681.4	1382.7	1119.7	874.1
-40°	5020.8	4423.9	3826.1	3252.5	2723.2	2265.7	1906.5	1591.3	1316.9	1065.3	833.9
-42.5°	4632.7	4056.6	3492.9	2951.5	2511.2	2117.2	1775.4	1494.3	1247.4	1012.7	790.3
-45°	4214.3	3668.8	3138.7	2697.9	2295.6	1960.0	1660.6	1393.7	1173.3	958.9	745.2
-47.5°	3773.0	3260.0	2816.7	2433.6	2112.3	1801.9	1538.5	1306.8	1095.6	901.3	700.0
-50°	3305.5	2879.5	2520.2	2204.0	1914.7	1659.7	1416.9	1215.7	1024.3	837.6	652.7
-52.5°	2891.2	2549.9	2252.6	1981.9	1740.5	1510.1	1312.1	1122.3	950.8	776.7	603.2
-55°	2536.3	2256.5	2005.6	1780.3	1567.8	1381.8	1203.3	1039.3	875.3	715.5	553.1
-57.5°	2229.7	1985.2	1784.4	1588.7	1413.3	1254.6	1104.1	954.6	802.9	652.3	513.3
-60°	1935.2	1752.7	1574.0	1416.8	1268.2	1133.5	1010.6	869.9	729.9	589.0	469.4
-62.5°	1680.9	1525.0	1390.0	1252.9	1129.5	1019.7	916.3	787.0	654.8	530.5	421.5
-65°	1442.5	1322.8	1207.8	1098.4	996.0	903.0	819.4	702.1	579.4	468.4	371.9
-67.5°	1216.1	1125.9	1035.6	943.8	863.2	788.0	716.4	610.4	500.7	403.1	322.6
-70°	1013.9	936.8	866.0	797.9	732.5	669.8	602.3	512.8	418.5	344.6	272.2
-72.5°	822.9	766.6	707.8	651.8	603.5	548.4	486.2	416.5	350.3	285.0	220.6
-75°	646.2	609.1	567.7	523.1	478.1	428.8	387.8	339.0	281.3	224.3	177.8
-77.5°	517.0	480.8	439.3	403.9	373.7	340.0	302.7	260.3	214.6	174.5	137.4
-80°	381.4	353.7	330.2	309.8	281.9	251.2	220.2	189.4	156.0	124.9	96.3
-82.5°	232.6	226.6	220.1	210.7	187.4	164.5	142.2	120.1	96.5	74.7	61.8
-85°	116.4	114.0	110.5	105.6	91.3	77.4	70.9	64.3	56.3	48.7	41.3
-87.5°	38.3	41.1	43.5	45.1	41.9	38.7	35.5	32.2	28.2	24.4	20.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-730-U-LAM-VSR-XX

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°	1.3	1.1	0.9	0.6	0.4	0.3	0.0
85°	2.5	2.1	1.7	1.3	0.9	0.5	0.0
82.5°	3.8	3.2	2.5	1.9	1.3	0.8	0.0
80°	4.9	4.2	3.4	2.5	1.7	1.1	0.0
77.5°	4.9	5.0	4.2	3.2	2.1	1.3	0.0
75°	5.0	5.1	4.9	3.8	2.6	1.6	0.0
72.5°	5.0	5.3	5.2	4.4	3.0	1.9	0.0
70°	5.2	5.5	5.4	4.9	3.5	2.1	0.0
67.5°	5.8	5.7	5.7	5.2	3.9	2.4	0.0
65°	6.6	6.5	5.9	5.4	4.3	2.6	0.0
62.5°	7.7	8.1	6.2	5.7	4.8	2.9	0.0
60°	9.1	9.9	6.5	6.0	5.2	3.2	0.0
57.5°	16.8	11.8	8.3	6.2	5.5	3.4	0.0
55°	26.8	13.9	10.4	6.5	5.8	3.7	0.0
52.5°	38.5	17.9	12.6	6.8	6.1	3.9	0.0
50°	51.9	30.5	14.8	7.0	6.4	4.1	0.0
47.5°	69.8	44.1	17.1	7.7	6.7	4.4	0.0
45°	105.2	58.6	19.6	9.6	7.0	4.6	0.0
42.5°	141.6	74.1	22.1	11.4	7.3	4.8	0.0
40°	178.7	90.5	29.8	13.8	7.6	5.1	0.0
37.5°	216.5	107.8	42.6	16.8	7.9	5.3	0.0
35°	255.0	133.9	55.6	20.0	8.2	5.5	0.0
32.5°	296.7	164.2	68.8	23.6	8.5	5.7	0.0
30°	344.3	194.3	82.1	27.5	8.9	5.9	0.0
27.5°	391.0	224.0	98.5	31.7	9.2	6.1	0.0
25°	436.6	253.2	115.3	36.1	9.5	6.2	0.0
22.5°	480.9	283.1	132.1	40.6	9.8	6.4	0.0
20°	523.7	315.1	148.7	45.3	10.1	6.6	0.0
17.5°	566.0	346.0	165.1	50.1	10.4	6.7	0.0
15°	606.7	375.8	181.0	54.9	10.7	6.8	0.0
12.5°	644.7	404.2	196.4	59.7	11.0	7.0	0.0
10°	680.0	431.0	211.2	64.4	11.3	7.1	0.0
7.5°	712.5	456.0	225.1	68.9	11.6	7.2	0.0
5°	741.9	479.2	238.1	73.3	11.8	7.3	0.0
2.5°	768.4	500.1	250.0	77.4	12.1	7.3	0.0
0°	791.7	518.8	260.6	81.1	12.3	7.4	0.0
-2.5°	803.3	530.6	270.5	86.4	14.2	7.8	0.0
-5°	811.7	539.9	279.0	91.2	16.1	8.2	0.0
-7.5°	817.2	546.7	285.8	95.6	17.9	8.6	0.0
-10°	819.6	551.0	291.1	99.4	19.7	9.0	0.0
-12.5°	819.2	552.7	294.5	102.6	21.4	9.3	0.0
-15°	815.9	551.9	296.2	105.1	23.0	9.6	0.0
-17.5°	810.0	548.6	296.0	106.9	24.5	9.9	0.0
-20°	800.7	542.8	293.9	108.0	25.8	10.1	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645539 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-730-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	787.3	534.5	289.7	108.3	27.1	10.3	0.0
-25°	770.9	521.7	283.5	107.8	28.1	10.5	0.0
-27.5°	751.3	505.6	275.3	106.5	29.1	10.6	0.0
-30°	728.6	487.4	264.9	104.3	29.8	10.7	0.0
-32.5°	702.9	467.0	252.9	101.2	30.4	10.7	0.0
-35°	675.1	444.5	239.5	97.3	30.8	10.7	0.0
-37.5°	645.2	421.9	224.7	92.4	31.0	10.6	0.0
-40°	613.1	401.4	208.7	86.6	31.0	10.5	0.0
-42.5°	578.6	379.4	196.5	80.4	30.9	10.3	0.0
-45°	542.0	356.1	188.2	74.1	30.5	10.1	0.0
-47.5°	503.4	331.4	178.4	66.9	29.9	9.9	0.0
-50°	471.0	305.4	167.1	64.5	29.2	9.6	0.0
-52.5°	438.7	278.1	154.3	63.2	28.3	9.2	0.0
-55°	405.1	257.5	140.2	61.3	27.1	8.8	0.0
-57.5°	370.3	236.6	124.7	58.6	25.8	8.4	0.0
-60°	334.9	213.7	108.5	55.3	24.4	7.9	0.0
-62.5°	302.6	189.0	100.8	51.4	22.9	7.4	0.0
-65°	267.9	162.6	92.0	46.9	21.3	6.9	0.0
-67.5°	231.1	140.6	82.2	41.8	19.5	6.3	0.0
-70°	192.2	123.0	71.5	36.3	17.6	5.7	0.0
-72.5°	162.6	104.2	60.0	31.9	15.7	5.0	0.0
-75°	132.9	84.1	47.7	27.8	13.6	4.4	0.0
-77.5°	101.8	63.1	39.4	23.4	11.5	3.7	0.0
-80°	69.5	48.1	31.9	18.9	9.3	3.0	0.0
-82.5°	51.0	36.4	24.1	14.3	7.0	2.2	0.0
-85°	34.2	24.4	16.1	9.6	4.7	1.5	0.0
-87.5°	17.2	12.2	8.1	4.8	2.4	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)