

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



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P627747 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-730-U-MWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627747 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5E-730-U-MWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N118
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

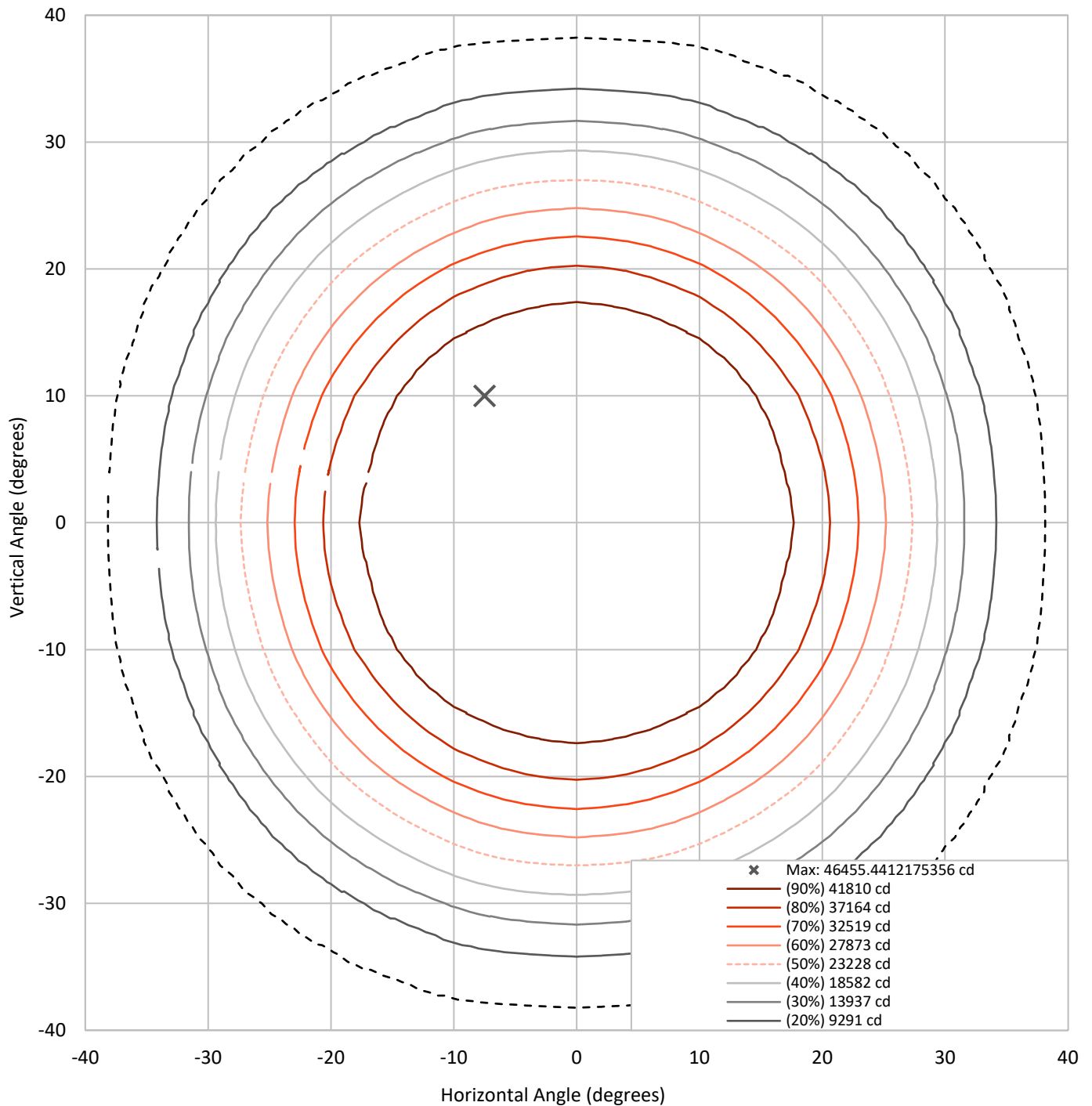
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	39538 lumens	Max Intensity:	46455.4 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 10°V
Efficacy:	126.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	51°H x 52.3°V	Field Angle (10%):	74.5°H x 75.5°V
Beam Lumens:	26242.9 lumens	Field Lumens:	34123.3 lumens
Beam Efficiency:	66.4%	Field Efficiency:	86.3%
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





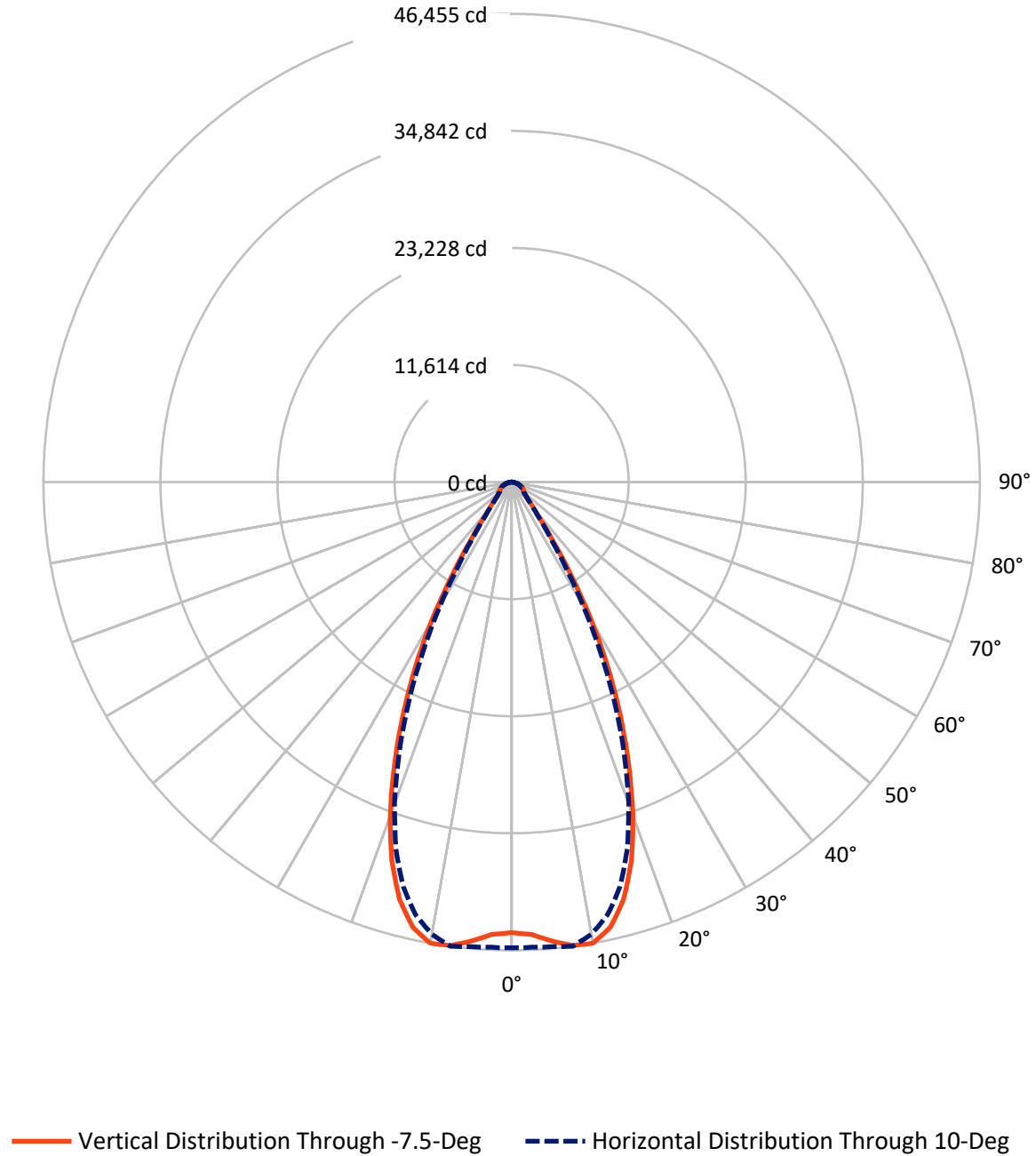
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Lumen Table

90																
80	1.0	9.3		24.8		39.3		43.9		39.3		24.8		9.3		1.0
70																
60	4.2	4.8	9.7	15.8	22.2	26.9	30.4	32.1	32.1	30.4	26.9	22.2	15.8	9.7	4.8	4.2
50		7.1	14.3	22.8	30.5	36.9	41.3	43.1	43.1	41.3	36.9	30.5	22.8	14.3	7.1	
40	7.4	9.2	18.1	27.7	37.1	48.3	60.7	69.7	69.7	60.7	48.3	37.1	27.7	18.1	9.2	7.4
30		10.9	21.0	31.8	49.2	89.9	172.0	255.0	255.0	172.0	89.9	49.2	31.8	21.0	10.9	
20	9.6	12.2	22.9	37.2	81.0	253.8	569.4	795.1	795.1	569.4	253.8	81.0	37.2	22.9	12.2	9.6
10		13.0	24.1	44.1	146.4	541.1	1033.3	1293.2	1293.2	1033.3	541.1	146.4	44.1	24.1	13.0	
0	10.4	13.4	24.7	49.7	210.8	740.5	1253.6	1363.9	1363.9	1253.6	740.5	210.8	49.7	24.7	13.4	10.4
-10		13.4	24.7	49.7	210.8	740.5	1253.6	1363.9	1363.9	1253.6	740.5	210.8	49.7	24.7	13.4	
-20	9.6	13.0	24.1	44.1	146.4	541.1	1033.3	1293.2	1293.2	1033.3	541.1	146.4	44.1	24.1	13.0	9.6
-30		12.2	22.9	37.2	81.0	253.8	569.4	795.1	795.1	569.4	253.8	81.0	37.2	22.9	12.2	
-40	7.4	10.9	21.0	31.8	49.2	89.9	172.0	255.0	255.0	172.0	89.9	49.2	31.8	21.0	10.9	7.4
-50		9.2	18.1	27.7	37.1	48.3	60.7	69.7	69.7	60.7	48.3	37.1	27.7	18.1	9.2	
-60	4.2	7.1	14.3	22.8	30.5	36.9	41.3	43.1	43.1	41.3	36.9	30.5	22.8	14.3	7.1	4.2
-70		4.8	9.7	15.8	22.2	26.9	30.4	32.1	32.1	30.4	26.9	22.2	15.8	9.7	4.8	
-80																
-90	1.0	9.3		24.8		39.3		43.9		39.3		24.8		9.3		1.0
Horizontal Angle (degrees)																

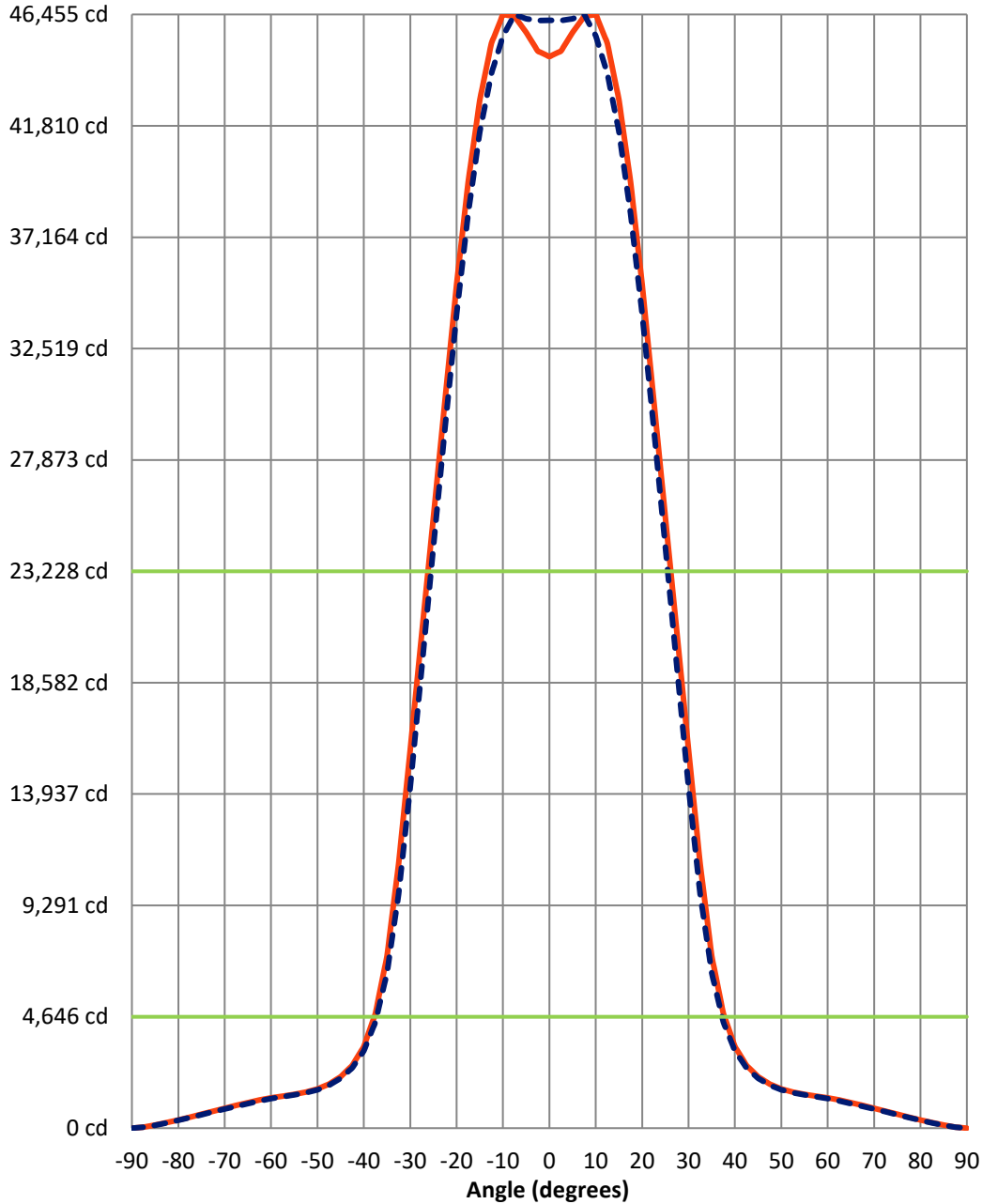
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 51°
 V Angle: 52.3°
 Lumens: 26242.9
 Efficiency: 66.4%

Field:
 H Angle: 74.5°
 V Angle: 75.5°
 Lumens: 34123.3
 Efficiency: 86.3%

Spill:
 Lumens: 5414.6
 Efficiency: 13.7%

— Vertical Distribution through -7.5-Deg
 - - Horizontal Distribution through 10-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	1.8	3.5	5.3	7.1	8.8	10.5	12.8	15.3	17.9	20.6
85°	0.0	3.5	7.1	10.6	14.1	17.6	21.0	25.6	30.5	35.7	41.1
82.5°	0.0	5.3	10.6	15.9	21.1	26.4	31.5	38.3	46.6	58.8	70.2
80°	0.0	7.1	14.1	21.1	28.1	35.1	43.4	59.8	75.5	90.3	104.3
77.5°	0.0	8.8	17.6	26.4	35.1	47.3	66.1	85.6	104.2	121.8	140.6
75°	0.0	10.5	21.0	31.5	43.4	66.1	88.7	111.3	133.4	159.0	184.2
72.5°	0.0	12.2	24.4	36.6	58.3	84.7	110.9	138.0	168.3	198.1	227.4
70°	0.0	13.9	27.8	42.8	73.1	103.1	133.4	168.3	202.7	236.7	272.4
67.5°	0.0	15.6	31.1	53.7	87.6	121.2	158.8	198.1	236.7	276.5	317.1
65°	0.0	17.2	34.4	64.4	101.8	140.3	183.6	227.4	270.9	315.5	362.7
62.5°	0.0	18.8	37.5	74.9	115.8	160.3	207.9	256.2	304.4	354.7	411.7
60°	0.0	20.3	40.7	85.1	129.4	179.7	231.5	284.4	336.9	397.2	459.4
57.5°	0.0	21.9	47.2	95.1	144.3	198.6	255.2	311.8	372.3	438.5	504.4
55°	0.0	23.3	53.6	104.8	158.8	216.9	278.4	338.6	407.5	478.3	547.6
52.5°	0.0	24.8	59.7	114.3	172.8	234.8	301.1	368.0	441.5	516.0	589.5
50°	0.0	26.2	65.6	123.4	186.3	253.3	323.1	396.8	474.1	552.5	630.1
47.5°	0.0	27.5	71.3	132.4	199.2	271.2	344.8	424.4	505.4	587.8	669.4
45°	0.0	28.8	76.7	141.7	211.6	288.5	367.3	450.7	535.6	621.7	707.1
42.5°	0.0	30.0	81.8	150.5	223.4	305.2	388.8	475.8	564.4	654.1	742.8
40°	0.0	31.2	86.7	158.6	235.3	321.2	409.1	499.5	591.7	685.1	777.1
37.5°	0.0	32.3	91.2	166.2	247.4	336.5	428.2	521.8	618.2	715.1	810.1
35°	0.0	33.3	95.5	173.4	258.9	351.3	446.2	542.7	643.4	743.1	840.8
32.5°	0.0	34.3	99.5	180.0	269.8	365.4	462.9	562.1	667.4	769.1	867.9
30°	0.0	35.2	103.1	186.2	280.0	378.4	478.4	580.4	689.9	793.1	893.1
27.5°	0.0	36.1	106.5	191.9	289.0	390.4	492.6	598.4	710.4	815.1	916.4
25°	0.0	36.9	109.5	197.1	297.2	401.4	505.5	615.0	728.3	834.4	937.8
22.5°	0.0	37.6	112.2	201.8	304.6	411.1	517.1	630.3	744.3	851.6	957.1
20°	0.0	38.2	114.6	205.9	311.2	419.4	527.4	644.0	758.5	867.0	974.3
17.5°	0.0	38.8	116.7	209.6	317.0	426.6	536.6	656.2	770.8	880.4	989.4
15°	0.0	39.3	118.4	212.6	321.9	432.8	545.0	667.2	781.3	891.9	1002.4
12.5°	0.0	39.7	119.8	215.2	326.0	437.9	552.2	676.9	790.5	901.4	1013.1
10°	0.0	40.1	120.9	217.2	329.2	442.0	558.1	684.9	798.6	910.4	1022.2
7.5°	0.0	40.4	121.6	218.6	331.5	444.9	562.9	691.2	804.9	917.6	1030.2
5°	0.0	40.5	122.1	219.4	333.0	446.8	566.3	695.6	809.4	922.7	1036.0
2.5°	0.0	40.7	122.2	219.8	333.6	447.5	568.4	698.3	812.1	925.8	1039.4
0°	0.0	40.7	122.0	219.5	333.3	447.2	569.1	699.2	813.0	926.8	1040.6
-2.5°	0.0	40.7	122.2	219.8	333.6	447.5	568.4	698.3	812.1	925.8	1039.4
-5°	0.0	40.5	122.1	219.4	333.0	446.8	566.3	695.6	809.4	922.7	1036.0
-7.5°	0.0	40.4	121.6	218.6	331.5	444.9	562.9	691.2	804.9	917.6	1030.2
-10°	0.0	40.1	120.9	217.2	329.2	442.0	558.1	684.9	798.6	910.4	1022.2
-12.5°	0.0	39.7	119.8	215.2	326.0	437.9	552.2	676.9	790.5	901.4	1013.1
-15°	0.0	39.3	118.4	212.6	321.9	432.8	545.0	667.2	781.3	891.9	1002.4
-17.5°	0.0	38.8	116.7	209.6	317.0	426.6	536.6	656.2	770.8	880.4	989.4
-20°	0.0	38.2	114.6	205.9	311.2	419.4	527.4	644.0	758.5	867.0	974.3

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CATALOG NUMBER: GFLD-SA5E-730-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	37.6	112.2	201.8	304.6	411.1	517.1	630.3	744.3	851.6	957.1
-25°	0.0	36.9	109.5	197.1	297.2	401.4	505.5	615.0	728.3	834.4	937.8
-27.5°	0.0	36.1	106.5	191.9	289.0	390.4	492.6	598.4	710.4	815.1	916.4
-30°	0.0	35.2	103.1	186.2	280.0	378.4	478.4	580.4	689.9	793.1	893.1
-32.5°	0.0	34.3	99.5	180.0	269.8	365.4	462.9	562.1	667.4	769.1	867.9
-35°	0.0	33.3	95.5	173.4	258.9	351.3	446.2	542.7	643.4	743.1	840.8
-37.5°	0.0	32.3	91.2	166.2	247.4	336.5	428.2	521.8	618.2	715.1	810.1
-40°	0.0	31.2	86.7	158.6	235.3	321.2	409.1	499.5	591.7	685.1	777.1
-42.5°	0.0	30.0	81.8	150.5	223.4	305.2	388.8	475.8	564.4	654.1	742.8
-45°	0.0	28.8	76.7	141.7	211.6	288.5	367.3	450.7	535.6	621.7	707.1
-47.5°	0.0	27.5	71.3	132.4	199.2	271.2	344.8	424.4	505.4	587.8	669.4
-50°	0.0	26.2	65.6	123.4	186.3	253.3	323.1	396.8	474.1	552.5	630.1
-52.5°	0.0	24.8	59.7	114.3	172.8	234.8	301.1	368.0	441.5	516.0	589.5
-55°	0.0	23.3	53.6	104.8	158.8	216.9	278.4	338.6	407.5	478.3	547.6
-57.5°	0.0	21.9	47.2	95.1	144.3	198.6	255.2	311.8	372.3	438.5	504.4
-60°	0.0	20.3	40.7	85.1	129.4	179.7	231.5	284.4	336.9	397.2	459.4
-62.5°	0.0	18.8	37.5	74.9	115.8	160.3	207.9	256.2	304.4	354.7	411.7
-65°	0.0	17.2	34.4	64.4	101.8	140.3	183.6	227.4	270.9	315.5	362.7
-67.5°	0.0	15.6	31.1	53.7	87.6	121.2	158.8	198.1	236.7	276.5	317.1
-70°	0.0	13.9	27.8	42.8	73.1	103.1	133.4	168.3	202.7	236.7	272.4
-72.5°	0.0	12.2	24.4	36.6	58.3	84.7	110.9	138.0	168.3	198.1	227.4
-75°	0.0	10.5	21.0	31.5	43.4	66.1	88.7	111.3	133.4	159.0	184.2
-77.5°	0.0	8.8	17.6	26.4	35.1	47.3	66.1	85.6	104.2	121.8	140.6
-80°	0.0	7.1	14.1	21.1	28.1	35.1	43.4	59.8	75.5	90.3	104.3
-82.5°	0.0	5.3	10.6	15.9	21.1	26.4	31.5	38.3	46.6	58.8	70.2
-85°	0.0	3.5	7.1	10.6	14.1	17.6	21.0	25.6	30.5	35.7	41.1
-87.5°	0.0	1.8	3.5	5.3	7.1	8.8	10.5	12.8	15.3	17.9	20.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	22.5	24.4	26.2	28.0	29.7	31.4	33.0	34.5	36.0	37.4	38.7
85°	45.0	48.8	55.2	61.9	68.2	74.2	80.1	85.8	91.1	96.3	101.2
82.5°	80.6	91.1	101.9	112.8	122.4	131.5	140.5	149.7	159.0	168.2	177.3
80°	118.5	133.2	150.0	165.9	179.9	193.2	206.0	218.3	231.7	246.1	260.6
77.5°	162.3	183.2	202.9	221.3	239.0	258.4	277.1	295.1	313.8	332.3	350.0
75°	209.3	233.2	258.3	283.0	307.0	330.3	353.0	376.2	399.6	422.9	445.1
72.5°	257.7	288.0	317.6	346.5	376.3	405.4	433.5	460.6	488.5	517.1	544.3
70°	308.0	342.6	379.1	414.4	448.0	481.9	516.2	549.3	581.7	614.7	647.5
67.5°	358.8	402.2	443.3	482.4	522.1	562.0	600.7	640.3	678.5	717.0	753.7
65°	414.7	462.1	507.1	551.9	596.8	643.8	689.5	733.6	778.0	821.0	859.6
62.5°	469.5	519.9	569.7	620.7	674.2	726.9	776.8	827.5	879.1	924.1	963.1
60°	519.9	575.9	631.6	689.6	748.8	805.5	861.5	916.6	972.1	1023.8	1055.7
57.5°	568.5	630.5	692.2	754.7	817.1	880.4	939.2	999.7	1051.3	1094.8	1131.8
55°	616.0	683.2	749.0	814.5	881.9	948.1	1012.1	1069.5	1119.9	1156.2	1191.9
52.5°	662.1	733.0	800.9	871.9	943.5	1013.6	1080.5	1133.8	1175.0	1212.2	1245.6
50°	706.9	779.0	850.7	927.6	1003.2	1077.4	1140.2	1186.9	1228.9	1265.1	1300.1
47.5°	748.8	823.9	900.5	981.4	1061.0	1132.7	1190.5	1239.4	1282.3	1321.3	1362.7
45°	789.1	868.9	949.8	1033.3	1114.6	1183.9	1239.6	1292.3	1332.4	1376.5	1423.9
42.5°	828.3	912.0	996.9	1083.1	1165.2	1230.0	1285.7	1333.9	1381.1	1433.4	1490.7
40°	865.5	952.8	1041.3	1131.1	1213.0	1270.4	1324.9	1376.0	1433.4	1495.4	1561.8
37.5°	900.4	991.0	1083.0	1176.2	1248.1	1307.2	1363.0	1420.1	1486.7	1558.6	1648.7
35°	933.1	1026.7	1121.7	1211.2	1279.5	1342.3	1400.0	1463.6	1541.5	1635.5	1750.9
32.5°	963.3	1059.7	1157.5	1239.6	1308.6	1373.7	1433.0	1512.4	1605.9	1717.8	1881.1
30°	991.2	1089.8	1188.0	1267.4	1334.7	1400.1	1472.4	1561.7	1671.1	1834.5	2043.4
27.5°	1017.1	1117.2	1211.9	1290.6	1358.1	1425.5	1510.0	1618.3	1762.4	1957.3	2217.1
25°	1040.8	1143.4	1234.9	1310.0	1379.8	1454.6	1546.4	1668.1	1857.6	2109.3	2460.4
22.5°	1062.3	1167.1	1256.9	1326.9	1400.1	1481.1	1588.2	1740.6	1959.0	2252.8	2705.7
20°	1081.5	1185.0	1273.4	1342.7	1418.8	1503.1	1625.5	1809.2	2072.6	2453.1	3031.3
17.5°	1098.3	1200.6	1285.7	1358.0	1437.1	1527.9	1661.8	1868.7	2173.5	2627.9	3360.4
15°	1112.7	1214.0	1296.1	1371.0	1453.0	1556.4	1712.3	1946.4	2290.8	2809.7	3647.2
12.5°	1124.7	1225.0	1304.6	1381.6	1466.1	1580.2	1755.5	2019.7	2412.5	3033.0	4069.9
10°	1134.2	1233.6	1311.2	1389.9	1476.3	1599.3	1790.6	2079.7	2513.4	3226.5	4430.4
7.5°	1142.9	1240.0	1315.7	1395.7	1483.7	1613.5	1817.3	2125.9	2590.7	3378.3	4715.7
5°	1149.3	1243.8	1318.2	1399.1	1489.8	1622.8	1835.4	2157.9	2644.2	3486.9	4916.5
2.5°	1153.2	1245.1	1318.7	1400.0	1494.3	1627.0	1844.8	2175.6	2686.2	3538.3	5024.4
0°	1154.5	1243.9	1317.1	1398.4	1495.9	1626.0	1845.5	2178.8	2707.3	3536.6	5040.6
-2.5°	1153.2	1245.1	1318.7	1400.0	1494.3	1627.0	1844.8	2175.6	2686.2	3538.3	5024.4
-5°	1149.3	1243.8	1318.2	1399.1	1489.8	1622.8	1835.4	2157.9	2644.2	3486.9	4916.5
-7.5°	1142.9	1240.0	1315.7	1395.7	1483.7	1613.5	1817.3	2125.9	2590.7	3378.3	4715.7
-10°	1134.2	1233.6	1311.2	1389.9	1476.3	1599.3	1790.6	2079.7	2513.4	3226.5	4430.4
-12.5°	1124.7	1225.0	1304.6	1381.6	1466.1	1580.2	1755.5	2019.7	2412.5	3033.0	4069.9
-15°	1112.7	1214.0	1296.1	1371.0	1453.0	1556.4	1712.3	1946.4	2290.8	2809.7	3647.2
-17.5°	1098.3	1200.6	1285.7	1358.0	1437.1	1527.9	1661.8	1868.7	2173.5	2627.9	3360.4
-20°	1081.5	1185.0	1273.4	1342.7	1418.8	1503.1	1625.5	1809.2	2072.6	2453.1	3031.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627747 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1062.3	1167.1	1256.9	1326.9	1400.1	1481.1	1588.2	1740.6	1959.0	2252.8	2705.7
-25°	1040.8	1143.4	1234.9	1310.0	1379.8	1454.6	1546.4	1668.1	1857.6	2109.3	2460.4
-27.5°	1017.1	1117.2	1211.9	1290.6	1358.1	1425.5	1510.0	1618.3	1762.4	1957.3	2217.1
-30°	991.2	1089.8	1188.0	1267.4	1334.7	1400.1	1472.4	1561.7	1671.1	1834.5	2043.4
-32.5°	963.3	1059.7	1157.5	1239.6	1308.6	1373.7	1433.0	1512.4	1605.9	1717.8	1881.1
-35°	933.1	1026.7	1121.7	1211.2	1279.5	1342.3	1400.0	1463.6	1541.5	1635.5	1750.9
-37.5°	900.4	991.0	1083.0	1176.2	1248.1	1307.2	1363.0	1420.1	1486.7	1558.6	1648.7
-40°	865.5	952.8	1041.3	1131.1	1213.0	1270.4	1324.9	1376.0	1433.4	1495.4	1561.8
-42.5°	828.3	912.0	996.9	1083.1	1165.2	1230.0	1285.7	1333.9	1381.1	1433.4	1490.7
-45°	789.1	868.9	949.8	1033.3	1114.6	1183.9	1239.6	1292.3	1332.4	1376.5	1423.9
-47.5°	748.8	823.9	900.5	981.4	1061.0	1132.7	1190.5	1239.4	1282.3	1321.3	1362.7
-50°	706.9	779.0	850.7	927.6	1003.2	1077.4	1140.2	1186.9	1228.9	1265.1	1300.1
-52.5°	662.1	733.0	800.9	871.9	943.5	1013.6	1080.5	1133.8	1175.0	1212.2	1245.6
-55°	616.0	683.2	749.0	814.5	881.9	948.1	1012.1	1069.5	1119.9	1156.2	1191.9
-57.5°	568.5	630.5	692.2	754.7	817.1	880.4	939.2	999.7	1051.3	1094.8	1131.8
-60°	519.9	575.9	631.6	689.6	748.8	805.5	861.5	916.6	972.1	1023.8	1055.7
-62.5°	469.5	519.9	569.7	620.7	674.2	726.9	776.8	827.5	879.1	924.1	963.1
-65°	414.7	462.1	507.1	551.9	596.8	643.8	689.5	733.6	778.0	821.0	859.6
-67.5°	358.8	402.2	443.3	482.4	522.1	562.0	600.7	640.3	678.5	717.0	753.7
-70°	308.0	342.6	379.1	414.4	448.0	481.9	516.2	549.3	581.7	614.7	647.5
-72.5°	257.7	288.0	317.6	346.5	376.3	405.4	433.5	460.6	488.5	517.1	544.3
-75°	209.3	233.2	258.3	283.0	307.0	330.3	353.0	376.2	399.6	422.9	445.1
-77.5°	162.3	183.2	202.9	221.3	239.0	258.4	277.1	295.1	313.8	332.3	350.0
-80°	118.5	133.2	150.0	165.9	179.9	193.2	206.0	218.3	231.7	246.1	260.6
-82.5°	80.6	91.1	101.9	112.8	122.4	131.5	140.5	149.7	159.0	168.2	177.3
-85°	45.0	48.8	55.2	61.9	68.2	74.2	80.1	85.8	91.1	96.3	101.2
-87.5°	22.5	24.4	26.2	28.0	29.7	31.4	33.0	34.5	36.0	37.4	38.7
-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: P627747 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-U-MWR-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°	40.0	39.5	38.8	37.9	36.9	39.5	42.0	44.6	47.1	45.7	44.1
85°	105.8	108.2	110.2	112.0	113.4	118.4	123.3	127.8	132.0	132.0	131.5
82.5°	186.2	192.2	197.3	202.0	206.1	212.0	217.3	221.9	225.8	228.7	231.1
80°	274.4	284.1	292.5	300.0	306.8	314.6	321.9	328.3	333.9	337.0	338.9
77.5°	367.5	381.8	394.5	406.6	418.1	429.5	439.9	449.1	457.2	459.1	458.6
75°	466.3	485.3	503.3	519.9	535.2	548.4	559.5	568.8	576.5	580.3	582.3
72.5°	570.2	593.7	614.8	633.8	650.1	663.7	675.4	685.6	694.2	699.6	702.8
70°	678.6	706.4	728.1	745.9	759.9	773.3	788.5	802.9	816.5	824.1	827.0
67.5°	787.3	816.1	835.9	852.2	865.0	878.3	897.3	914.5	929.8	940.2	946.7
65°	893.7	924.0	943.9	959.5	971.2	984.6	1005.9	1022.9	1035.9	1046.2	1055.5
62.5°	998.8	1029.4	1051.6	1070.1	1087.2	1101.8	1119.3	1133.6	1144.8	1154.9	1166.4
60°	1089.9	1126.2	1149.5	1168.2	1189.4	1212.3	1225.1	1235.9	1245.2	1253.3	1260.4
57.5°	1164.3	1196.7	1226.6	1249.2	1271.2	1292.4	1307.6	1317.6	1325.8	1331.9	1334.3
55°	1226.6	1260.0	1293.4	1317.8	1339.5	1359.4	1376.0	1389.1	1400.0	1408.5	1410.5
52.5°	1282.4	1319.9	1352.7	1380.9	1409.5	1432.9	1451.2	1469.1	1484.6	1497.2	1502.6
50°	1343.1	1382.4	1423.2	1461.0	1491.5	1518.2	1540.4	1565.6	1592.2	1614.2	1628.0
47.5°	1407.0	1452.2	1501.5	1548.1	1584.2	1623.7	1660.6	1698.1	1747.5	1788.9	1819.7
45°	1473.8	1531.9	1588.1	1647.3	1697.1	1771.8	1841.2	1900.8	1979.9	2051.6	2108.6
42.5°	1552.6	1624.9	1694.0	1788.8	1888.1	1990.1	2100.3	2194.3	2318.0	2443.9	2545.6
40°	1646.0	1738.4	1860.1	1987.4	2144.1	2284.3	2474.6	2644.2	2834.0	3074.0	3272.3
37.5°	1758.4	1900.9	2070.2	2247.5	2491.9	2725.3	3039.8	3371.2	3672.0	4133.7	4522.1
35°	1904.5	2103.7	2326.5	2640.5	2986.3	3423.6	3914.3	4554.5	5103.5	5882.2	6626.5
32.5°	2092.7	2348.8	2712.7	3197.4	3708.4	4502.5	5281.0	6392.7	7422.0	8656.3	9988.4
30°	2302.2	2691.9	3247.8	3912.7	4866.1	6034.2	7406.7	9114.0	10982.4	12717.2	14426.7
27.5°	2605.7	3164.2	3894.5	4967.3	6453.1	8087.4	10492.1	12809.7	15227.6	17376.9	19169.5
25°	2960.2	3698.1	4827.4	6407.1	8416.5	11215.1	14093.6	16953.9	19554.3	21804.5	23785.1
22.5°	3417.8	4479.1	5984.7	8030.8	11159.8	14514.1	17889.5	21044.5	23818.3	26324.0	28468.0
20°	3915.6	5243.6	7393.7	10444.8	14023.0	17844.6	21655.8	25016.5	28070.8	30911.8	33328.3
17.5°	4546.5	6406.3	9129.1	12789.2	16926.2	21113.2	25117.2	28764.2	32229.3	35235.6	37760.5
15°	5084.1	7430.3	10983.9	15276.5	19751.3	24168.0	28395.1	32356.6	35959.1	39043.7	41417.2
12.5°	5801.3	8578.0	12630.7	17414.8	22263.9	26911.2	31363.7	35458.2	39124.4	42175.0	44022.7
10°	6479.2	9766.1	14222.3	19211.5	24249.3	29200.9	33954.9	38154.2	41558.1	43984.8	45559.4
7.5°	7055.6	10787.3	15517.1	20663.7	25826.8	31003.7	35816.0	39901.7	43040.2	45066.9	46163.1
5°	7486.0	11550.6	16478.1	21843.8	27141.9	32409.6	37184.4	41019.9	43732.5	45238.1	45788.5
2.5°	7760.3	11998.9	17035.9	22618.1	28022.0	33299.2	38123.0	41898.4	44199.9	45197.8	45292.7
0°	7869.9	12056.8	17121.9	23024.3	28243.7	33552.7	38390.0	42259.9	44373.7	45194.9	45178.6
-2.5°	7760.3	11998.9	17035.9	22618.1	28022.0	33299.2	38123.0	41898.4	44199.9	45197.8	45292.7
-5°	7486.0	11550.6	16478.1	21843.8	27141.9	32409.6	37184.4	41019.9	43732.5	45238.1	45788.5
-7.5°	7055.6	10787.3	15517.1	20663.7	25826.8	31003.7	35816.0	39901.7	43040.2	45066.9	46163.1
-10°	6479.2	9766.1	14222.3	19211.5	24249.3	29200.9	33954.9	38154.2	41558.1	43984.8	45559.4
-12.5°	5801.3	8578.0	12630.7	17414.8	22263.9	26911.2	31363.7	35458.2	39124.4	42175.0	44022.7
-15°	5084.1	7430.3	10983.9	15276.5	19751.3	24168.0	28395.1	32356.6	35959.1	39043.7	41417.2
-17.5°	4546.5	6406.3	9129.1	12789.2	16926.2	21113.2	25117.2	28764.2	32229.3	35235.6	37760.5
-20°	3915.6	5243.6	7393.7	10444.8	14023.0	17844.6	21655.8	25016.5	28070.8	30911.8	33328.3



REPORT NUMBER: P627747 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3417.8	4479.1	5984.7	8030.8	11159.8	14514.1	17889.5	21044.5	23818.3	26324.0	28468.0
-25°	2960.2	3698.1	4827.4	6407.1	8416.5	11215.1	14093.6	16953.9	19554.3	21804.5	23785.1
-27.5°	2605.7	3164.2	3894.5	4967.3	6453.1	8087.4	10492.1	12809.7	15227.6	17376.9	19169.5
-30°	2302.2	2691.9	3247.8	3912.7	4866.1	6034.2	7406.7	9114.0	10982.4	12717.2	14426.7
-32.5°	2092.7	2348.8	2712.7	3197.4	3708.4	4502.5	5281.0	6392.7	7422.0	8656.3	9988.4
-35°	1904.5	2103.7	2326.5	2640.5	2986.3	3423.6	3914.3	4554.5	5103.5	5882.2	6626.5
-37.5°	1758.4	1900.9	2070.2	2247.5	2491.9	2725.3	3039.8	3371.2	3672.0	4133.7	4522.1
-40°	1646.0	1738.4	1860.1	1987.4	2144.1	2284.3	2474.6	2644.2	2834.0	3074.0	3272.3
-42.5°	1552.6	1624.9	1694.0	1788.8	1888.1	1990.1	2100.3	2194.3	2318.0	2443.9	2545.6
-45°	1473.8	1531.9	1588.1	1647.3	1697.1	1771.8	1841.2	1900.8	1979.9	2051.6	2108.6
-47.5°	1407.0	1452.2	1501.5	1548.1	1584.2	1623.7	1660.6	1698.1	1747.5	1788.9	1819.7
-50°	1343.1	1382.4	1423.2	1461.0	1491.5	1518.2	1540.4	1565.6	1592.2	1614.2	1628.0
-52.5°	1282.4	1319.9	1352.7	1380.9	1409.5	1432.9	1451.2	1469.1	1484.6	1497.2	1502.6
-55°	1226.6	1260.0	1293.4	1317.8	1339.5	1359.4	1376.0	1389.1	1400.0	1408.5	1410.5
-57.5°	1164.3	1196.7	1226.6	1249.2	1271.2	1292.4	1307.6	1317.6	1325.8	1331.9	1334.3
-60°	1089.9	1126.2	1149.5	1168.2	1189.4	1212.3	1225.1	1235.9	1245.2	1253.3	1260.4
-62.5°	998.8	1029.4	1051.6	1070.1	1087.2	1101.8	1119.3	1133.6	1144.8	1154.9	1166.4
-65°	893.7	924.0	943.9	959.5	971.2	984.6	1005.9	1022.9	1035.9	1046.2	1055.5
-67.5°	787.3	816.1	835.9	852.2	865.0	878.3	897.3	914.5	929.8	940.2	946.7
-70°	678.6	706.4	728.1	745.9	759.9	773.3	788.5	802.9	816.5	824.1	827.0
-72.5°	570.2	593.7	614.8	633.8	650.1	663.7	675.4	685.6	694.2	699.6	702.8
-75°	466.3	485.3	503.3	519.9	535.2	548.4	559.5	568.8	576.5	580.3	582.3
-77.5°	367.5	381.8	394.5	406.6	418.1	429.5	439.9	449.1	457.2	459.1	458.6
-80°	274.4	284.1	292.5	300.0	306.8	314.6	321.9	328.3	333.9	337.0	338.9
-82.5°	186.2	192.2	197.3	202.0	206.1	212.0	217.3	221.9	225.8	228.7	231.1
-85°	105.8	108.2	110.2	112.0	113.4	118.4	123.3	127.8	132.0	132.0	131.5
-87.5°	40.0	39.5	38.8	37.9	36.9	39.5	42.0	44.6	47.1	45.7	44.1
-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: P627747 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-MWR-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°	42.4	40.5	40.7	40.7	40.7	40.5	42.4	44.1	45.7	47.1	44.6
85°	130.6	129.4	125.9	122.0	125.9	129.4	130.6	131.5	132.0	132.0	127.8
82.5°	233.1	234.6	231.4	227.6	231.4	234.6	233.1	231.1	228.7	225.8	221.9
80°	339.9	339.9	337.1	333.3	337.1	339.9	339.9	338.9	337.0	333.9	328.3
77.5°	456.7	453.4	454.7	455.3	454.7	453.4	456.7	458.6	459.1	457.2	449.1
75°	583.2	582.6	580.7	577.2	580.7	582.6	583.2	582.3	580.3	576.5	568.8
72.5°	704.4	704.3	702.6	699.2	702.6	704.3	704.4	702.8	699.6	694.2	685.6
70°	827.7	826.2	828.3	829.3	828.3	826.2	827.7	827.0	824.1	816.5	802.9
67.5°	951.7	955.0	954.4	951.2	954.4	955.0	951.7	946.7	940.2	929.8	914.5
65°	1063.0	1068.6	1072.0	1073.2	1072.0	1068.6	1063.0	1055.5	1046.2	1035.9	1022.9
62.5°	1175.4	1181.8	1182.2	1178.9	1182.2	1181.8	1175.4	1166.4	1154.9	1144.8	1133.6
60°	1264.3	1265.4	1263.9	1260.2	1263.9	1265.4	1264.3	1260.4	1253.3	1245.2	1235.9
57.5°	1334.2	1331.9	1329.1	1325.2	1329.1	1331.9	1334.2	1334.3	1331.9	1325.8	1317.6
55°	1409.4	1405.5	1402.2	1398.4	1402.2	1405.5	1409.4	1410.5	1408.5	1400.0	1389.1
52.5°	1503.8	1501.8	1499.4	1495.9	1499.4	1501.8	1503.8	1502.6	1497.2	1484.6	1469.1
50°	1635.1	1637.1	1636.9	1634.1	1636.9	1637.1	1635.1	1628.0	1614.2	1592.2	1565.6
47.5°	1839.2	1850.0	1857.4	1861.8	1857.4	1850.0	1839.2	1819.7	1788.9	1747.5	1698.1
45°	2145.2	2166.9	2182.2	2195.1	2182.2	2166.9	2145.2	2108.6	2051.6	1979.9	1900.8
42.5°	2617.2	2665.8	2688.8	2682.9	2688.8	2665.8	2617.2	2545.6	2443.9	2318.0	2194.3
40°	3404.4	3482.9	3526.3	3561.0	3526.3	3482.9	3404.4	3272.3	3074.0	2834.0	2644.2
37.5°	4787.2	4939.5	5019.7	5089.4	5019.7	4939.5	4787.2	4522.1	4133.7	3672.0	3371.2
35°	7182.5	7525.1	7708.5	7772.3	7708.5	7525.1	7182.5	6626.5	5882.2	5103.5	4554.5
32.5°	11025.0	11656.9	12006.4	12276.4	12006.4	11656.9	11025.0	9988.4	8656.3	7422.0	6392.7
30°	15780.4	16612.8	17075.0	17300.7	17075.0	16612.8	15780.4	14426.7	12717.2	10982.4	9114.0
27.5°	20655.3	21601.6	22100.0	22073.0	22100.0	21601.6	20655.3	19169.5	17376.9	15227.6	12809.7
25°	25483.1	26579.1	27075.7	27520.2	27075.7	26579.1	25483.1	23785.1	21804.5	19554.3	16953.9
22.5°	30365.9	31647.4	32346.7	32674.6	32346.7	31647.4	30365.9	28468.0	26324.0	23818.3	21044.5
20°	35190.5	36617.1	37359.5	37682.7	37359.5	36617.1	35190.5	33328.3	30911.8	28070.8	25016.5
17.5°	39469.5	40862.2	41569.8	41869.7	41569.8	40862.2	39469.5	37760.5	35235.6	32229.3	28764.2
15°	42886.2	43913.4	44515.2	44674.5	44515.2	43913.4	42886.2	41417.2	39043.7	35959.1	32356.6
12.5°	45248.0	45645.9	45935.3	46024.1	45935.3	45645.9	45248.0	44022.7	42175.0	39124.4	35458.2
10°	46455.4	46275.9	46201.7	46211.1	46201.7	46275.9	46455.4	45559.4	43984.8	41558.1	38154.2
7.5°	46372.4	46106.5	45572.5	45487.5	45572.5	46106.5	46372.4	46163.1	45066.9	43040.2	39901.7
5°	45706.1	45222.1	44335.8	44081.0	44335.8	45222.1	45706.1	45788.5	45238.1	43732.5	41019.9
2.5°	44929.6	44057.1	43240.6	42715.2	43240.6	44057.1	44929.6	45292.7	45197.8	44199.9	41898.4
0°	44698.9	43690.8	42633.9	42292.4	42633.9	43690.8	44698.9	45178.6	45194.9	44373.7	42259.9
-2.5°	44929.6	44057.1	43240.6	42715.2	43240.6	44057.1	44929.6	45292.7	45197.8	44199.9	41898.4
-5°	45706.1	45222.1	44335.8	44081.0	44335.8	45222.1	45706.1	45788.5	45238.1	43732.5	41019.9
-7.5°	46372.4	46106.5	45572.5	45487.5	45572.5	46106.5	46372.4	46163.1	45066.9	43040.2	39901.7
-10°	46455.4	46275.9	46201.7	46211.1	46201.7	46275.9	46455.4	45559.4	43984.8	41558.1	38154.2
-12.5°	45248.0	45645.9	45935.3	46024.1	45935.3	45645.9	45248.0	44022.7	42175.0	39124.4	35458.2
-15°	42886.2	43913.4	44515.2	44674.5	44515.2	43913.4	42886.2	41417.2	39043.7	35959.1	32356.6
-17.5°	39469.5	40862.2	41569.8	41869.7	41569.8	40862.2	39469.5	37760.5	35235.6	32229.3	28764.2
-20°	35190.5	36617.1	37359.5	37682.7	37359.5	36617.1	35190.5	33328.3	30911.8	28070.8	25016.5



REPORT NUMBER: P627747 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	30365.9	31647.4	32346.7	32674.6	32346.7	31647.4	30365.9	28468.0	26324.0	23818.3	21044.5
-25°	25483.1	26579.1	27075.7	27520.2	27075.7	26579.1	25483.1	23785.1	21804.5	19554.3	16953.9
-27.5°	20655.3	21601.6	22100.0	22073.0	22100.0	21601.6	20655.3	19169.5	17376.9	15227.6	12809.7
-30°	15780.4	16612.8	17075.0	17300.7	17075.0	16612.8	15780.4	14426.7	12717.2	10982.4	9114.0
-32.5°	11025.0	11656.9	12006.4	12276.4	12006.4	11656.9	11025.0	9988.4	8656.3	7422.0	6392.7
-35°	7182.5	7525.1	7708.5	7772.3	7708.5	7525.1	7182.5	6626.5	5882.2	5103.5	4554.5
-37.5°	4787.2	4939.5	5019.7	5089.4	5019.7	4939.5	4787.2	4522.1	4133.7	3672.0	3371.2
-40°	3404.4	3482.9	3526.3	3561.0	3526.3	3482.9	3404.4	3272.3	3074.0	2834.0	2644.2
-42.5°	2617.2	2665.8	2688.8	2682.9	2688.8	2665.8	2617.2	2545.6	2443.9	2318.0	2194.3
-45°	2145.2	2166.9	2182.2	2195.1	2182.2	2166.9	2145.2	2108.6	2051.6	1979.9	1900.8
-47.5°	1839.2	1850.0	1857.4	1861.8	1857.4	1850.0	1839.2	1819.7	1788.9	1747.5	1698.1
-50°	1635.1	1637.1	1636.9	1634.1	1636.9	1637.1	1635.1	1628.0	1614.2	1592.2	1565.6
-52.5°	1503.8	1501.8	1499.4	1495.9	1499.4	1501.8	1503.8	1502.6	1497.2	1484.6	1469.1
-55°	1409.4	1405.5	1402.2	1398.4	1402.2	1405.5	1409.4	1410.5	1408.5	1400.0	1389.1
-57.5°	1334.2	1331.9	1329.1	1325.2	1329.1	1331.9	1334.2	1334.3	1331.9	1325.8	1317.6
-60°	1264.3	1265.4	1263.9	1260.2	1263.9	1265.4	1264.3	1260.4	1253.3	1245.2	1235.9
-62.5°	1175.4	1181.8	1182.2	1178.9	1182.2	1181.8	1175.4	1166.4	1154.9	1144.8	1133.6
-65°	1063.0	1068.6	1072.0	1073.2	1072.0	1068.6	1063.0	1055.5	1046.2	1035.9	1022.9
-67.5°	951.7	955.0	954.4	951.2	954.4	955.0	951.7	946.7	940.2	929.8	914.5
-70°	827.7	826.2	828.3	829.3	828.3	826.2	827.7	827.0	824.1	816.5	802.9
-72.5°	704.4	704.3	702.6	699.2	702.6	704.3	704.4	702.8	699.6	694.2	685.6
-75°	583.2	582.6	580.7	577.2	580.7	582.6	583.2	582.3	580.3	576.5	568.8
-77.5°	456.7	453.4	454.7	455.3	454.7	453.4	456.7	458.6	459.1	457.2	449.1
-80°	339.9	339.9	337.1	333.3	337.1	339.9	339.9	338.9	337.0	333.9	328.3
-82.5°	233.1	234.6	231.4	227.6	231.4	234.6	233.1	231.1	228.7	225.8	221.9
-85°	130.6	129.4	125.9	122.0	125.9	129.4	130.6	131.5	132.0	132.0	127.8
-87.5°	42.4	40.5	40.7	40.7	40.7	40.5	42.4	44.1	45.7	47.1	44.6
-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: P627747 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-MWR-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°	42.0	39.5	36.9	37.9	38.8	39.5	40.0	38.7	37.4	36.0	34.5
85°	123.3	118.4	113.4	112.0	110.2	108.2	105.8	101.2	96.3	91.1	85.8
82.5°	217.3	212.0	206.1	202.0	197.3	192.2	186.2	177.3	168.2	159.0	149.7
80°	321.9	314.6	306.8	300.0	292.5	284.1	274.4	260.6	246.1	231.7	218.3
77.5°	439.9	429.5	418.1	406.6	394.5	381.8	367.5	350.0	332.3	313.8	295.1
75°	559.5	548.4	535.2	519.9	503.3	485.3	466.3	445.1	422.9	399.6	376.2
72.5°	675.4	663.7	650.1	633.8	614.8	593.7	570.2	544.3	517.1	488.5	460.6
70°	788.5	773.3	759.9	745.9	728.1	706.4	678.6	647.5	614.7	581.7	549.3
67.5°	897.3	878.3	865.0	852.2	835.9	816.1	787.3	753.7	717.0	678.5	640.3
65°	1005.9	984.6	971.2	959.5	943.9	924.0	893.7	859.6	821.0	778.0	733.6
62.5°	1119.3	1101.8	1087.2	1070.1	1051.6	1029.4	998.8	963.1	924.1	879.1	827.5
60°	1225.1	1212.3	1189.4	1168.2	1149.5	1126.2	1089.9	1055.7	1023.8	972.1	916.6
57.5°	1307.6	1292.4	1271.2	1249.2	1226.6	1196.7	1164.3	1131.8	1094.8	1051.3	999.7
55°	1376.0	1359.4	1339.5	1317.8	1293.4	1260.0	1226.6	1191.9	1156.2	1119.9	1069.5
52.5°	1451.2	1432.9	1409.5	1380.9	1352.7	1319.9	1282.4	1245.6	1212.2	1175.0	1133.8
50°	1540.4	1518.2	1491.5	1461.0	1423.2	1382.4	1343.1	1300.1	1265.1	1228.9	1186.9
47.5°	1660.6	1623.7	1584.2	1548.1	1501.5	1452.2	1407.0	1362.7	1321.3	1282.3	1239.4
45°	1841.2	1771.8	1697.1	1647.3	1588.1	1531.9	1473.8	1423.9	1376.5	1332.4	1292.3
42.5°	2100.3	1990.1	1888.1	1788.8	1694.0	1624.9	1552.6	1490.7	1433.4	1381.1	1333.9
40°	2474.6	2284.3	2144.1	1987.4	1860.1	1738.4	1646.0	1561.8	1495.4	1433.4	1376.0
37.5°	3039.8	2725.3	2491.9	2247.5	2070.2	1900.9	1758.4	1648.7	1558.6	1486.7	1420.1
35°	3914.3	3423.6	2986.3	2640.5	2326.5	2103.7	1904.5	1750.9	1635.5	1541.5	1463.6
32.5°	5281.0	4502.5	3708.4	3197.4	2712.7	2348.8	2092.7	1881.1	1717.8	1605.9	1512.4
30°	7406.7	6034.2	4866.1	3912.7	3247.8	2691.9	2302.2	2043.4	1834.5	1671.1	1561.7
27.5°	10492.1	8087.4	6453.1	4967.3	3894.5	3164.2	2605.7	2217.1	1957.3	1762.4	1618.3
25°	14093.6	11215.1	8416.5	6407.1	4827.4	3698.1	2960.2	2460.4	2109.3	1857.6	1668.1
22.5°	17889.5	14514.1	11159.8	8030.8	5984.7	4479.1	3417.8	2705.7	2252.8	1959.0	1740.6
20°	21655.8	17844.6	14023.0	10444.8	7393.7	5243.6	3915.6	3031.3	2453.1	2072.6	1809.2
17.5°	25117.2	21113.2	16926.2	12789.2	9129.1	6406.3	4546.5	3360.4	2627.9	2173.5	1868.7
15°	28395.1	24168.0	19751.3	15276.5	10983.9	7430.3	5084.1	3647.2	2809.7	2290.8	1946.4
12.5°	31363.7	26911.2	22263.9	17414.8	12630.7	8578.0	5801.3	4069.9	3033.0	2412.5	2019.7
10°	33954.9	29200.9	24249.3	19211.5	14222.3	9766.1	6479.2	4430.4	3226.5	2513.4	2079.7
7.5°	35816.0	31003.7	25826.8	20663.7	15517.1	10787.3	7055.6	4715.7	3378.3	2590.7	2125.9
5°	37184.4	32409.6	27141.9	21843.8	16478.1	11550.6	7486.0	4916.5	3486.9	2644.2	2157.9
2.5°	38123.0	33299.2	28022.0	22618.1	17035.9	11998.9	7760.3	5024.4	3538.3	2686.2	2175.6
0°	38390.0	33552.7	28243.7	23024.3	17121.9	12056.8	7869.9	5040.6	3536.6	2707.3	2178.8
-2.5°	38123.0	33299.2	28022.0	22618.1	17035.9	11998.9	7760.3	5024.4	3538.3	2686.2	2175.6
-5°	37184.4	32409.6	27141.9	21843.8	16478.1	11550.6	7486.0	4916.5	3486.9	2644.2	2157.9
-7.5°	35816.0	31003.7	25826.8	20663.7	15517.1	10787.3	7055.6	4715.7	3378.3	2590.7	2125.9
-10°	33954.9	29200.9	24249.3	19211.5	14222.3	9766.1	6479.2	4430.4	3226.5	2513.4	2079.7
-12.5°	31363.7	26911.2	22263.9	17414.8	12630.7	8578.0	5801.3	4069.9	3033.0	2412.5	2019.7
-15°	28395.1	24168.0	19751.3	15276.5	10983.9	7430.3	5084.1	3647.2	2809.7	2290.8	1946.4
-17.5°	25117.2	21113.2	16926.2	12789.2	9129.1	6406.3	4546.5	3360.4	2627.9	2173.5	1868.7
-20°	21655.8	17844.6	14023.0	10444.8	7393.7	5243.6	3915.6	3031.3	2453.1	2072.6	1809.2



REPORT NUMBER: P627747 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	17889.5	14514.1	11159.8	8030.8	5984.7	4479.1	3417.8	2705.7	2252.8	1959.0	1740.6
-25°	14093.6	11215.1	8416.5	6407.1	4827.4	3698.1	2960.2	2460.4	2109.3	1857.6	1668.1
-27.5°	10492.1	8087.4	6453.1	4967.3	3894.5	3164.2	2605.7	2217.1	1957.3	1762.4	1618.3
-30°	7406.7	6034.2	4866.1	3912.7	3247.8	2691.9	2302.2	2043.4	1834.5	1671.1	1561.7
-32.5°	5281.0	4502.5	3708.4	3197.4	2712.7	2348.8	2092.7	1881.1	1717.8	1605.9	1512.4
-35°	3914.3	3423.6	2986.3	2640.5	2326.5	2103.7	1904.5	1750.9	1635.5	1541.5	1463.6
-37.5°	3039.8	2725.3	2491.9	2247.5	2070.2	1900.9	1758.4	1648.7	1558.6	1486.7	1420.1
-40°	2474.6	2284.3	2144.1	1987.4	1860.1	1738.4	1646.0	1561.8	1495.4	1433.4	1376.0
-42.5°	2100.3	1990.1	1888.1	1788.8	1694.0	1624.9	1552.6	1490.7	1433.4	1381.1	1333.9
-45°	1841.2	1771.8	1697.1	1647.3	1588.1	1531.9	1473.8	1423.9	1376.5	1332.4	1292.3
-47.5°	1660.6	1623.7	1584.2	1548.1	1501.5	1452.2	1407.0	1362.7	1321.3	1282.3	1239.4
-50°	1540.4	1518.2	1491.5	1461.0	1423.2	1382.4	1343.1	1300.1	1265.1	1228.9	1186.9
-52.5°	1451.2	1432.9	1409.5	1380.9	1352.7	1319.9	1282.4	1245.6	1212.2	1175.0	1133.8
-55°	1376.0	1359.4	1339.5	1317.8	1293.4	1260.0	1226.6	1191.9	1156.2	1119.9	1069.5
-57.5°	1307.6	1292.4	1271.2	1249.2	1226.6	1196.7	1164.3	1131.8	1094.8	1051.3	999.7
-60°	1225.1	1212.3	1189.4	1168.2	1149.5	1126.2	1089.9	1055.7	1023.8	972.1	916.6
-62.5°	1119.3	1101.8	1087.2	1070.1	1051.6	1029.4	998.8	963.1	924.1	879.1	827.5
-65°	1005.9	984.6	971.2	959.5	943.9	924.0	893.7	859.6	821.0	778.0	733.6
-67.5°	897.3	878.3	865.0	852.2	835.9	816.1	787.3	753.7	717.0	678.5	640.3
-70°	788.5	773.3	759.9	745.9	728.1	706.4	678.6	647.5	614.7	581.7	549.3
-72.5°	675.4	663.7	650.1	633.8	614.8	593.7	570.2	544.3	517.1	488.5	460.6
-75°	559.5	548.4	535.2	519.9	503.3	485.3	466.3	445.1	422.9	399.6	376.2
-77.5°	439.9	429.5	418.1	406.6	394.5	381.8	367.5	350.0	332.3	313.8	295.1
-80°	321.9	314.6	306.8	300.0	292.5	284.1	274.4	260.6	246.1	231.7	218.3
-82.5°	217.3	212.0	206.1	202.0	197.3	192.2	186.2	177.3	168.2	159.0	149.7
-85°	123.3	118.4	113.4	112.0	110.2	108.2	105.8	101.2	96.3	91.1	85.8
-87.5°	42.0	39.5	36.9	37.9	38.8	39.5	40.0	38.7	37.4	36.0	34.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627747 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-MWR-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°	33.0	31.4	29.7	28.0	26.2	24.4	22.5	20.6	17.9	15.3	12.8
85°	80.1	74.2	68.2	61.9	55.2	48.8	45.0	41.1	35.7	30.5	25.6
82.5°	140.5	131.5	122.4	112.8	101.9	91.1	80.6	70.2	58.8	46.6	38.3
80°	206.0	193.2	179.9	165.9	150.0	133.2	118.5	104.3	90.3	75.5	59.8
77.5°	277.1	258.4	239.0	221.3	202.9	183.2	162.3	140.6	121.8	104.2	85.6
75°	353.0	330.3	307.0	283.0	258.3	233.2	209.3	184.2	159.0	133.4	111.3
72.5°	433.5	405.4	376.3	346.5	317.6	288.0	257.7	227.4	198.1	168.3	138.0
70°	516.2	481.9	448.0	414.4	379.1	342.6	308.0	272.4	236.7	202.7	168.3
67.5°	600.7	562.0	522.1	482.4	443.3	402.2	358.8	317.1	276.5	236.7	198.1
65°	689.5	643.8	596.8	551.9	507.1	462.1	414.7	362.7	315.5	270.9	227.4
62.5°	776.8	726.9	674.2	620.7	569.7	519.9	469.5	411.7	354.7	304.4	256.2
60°	861.5	805.5	748.8	689.6	631.6	575.9	519.9	459.4	397.2	336.9	284.4
57.5°	939.2	880.4	817.1	754.7	692.2	630.5	568.5	504.4	438.5	372.3	311.8
55°	1012.1	948.1	881.9	814.5	749.0	683.2	616.0	547.6	478.3	407.5	338.6
52.5°	1080.5	1013.6	943.5	871.9	800.9	733.0	662.1	589.5	516.0	441.5	368.0
50°	1140.2	1077.4	1003.2	927.6	850.7	779.0	706.9	630.1	552.5	474.1	396.8
47.5°	1190.5	1132.7	1061.0	981.4	900.5	823.9	748.8	669.4	587.8	505.4	424.4
45°	1239.6	1183.9	1114.6	1033.3	949.8	868.9	789.1	707.1	621.7	535.6	450.7
42.5°	1285.7	1230.0	1165.2	1083.1	996.9	912.0	828.3	742.8	654.1	564.4	475.8
40°	1324.9	1270.4	1213.0	1131.1	1041.3	952.8	865.5	777.1	685.1	591.7	499.5
37.5°	1363.0	1307.2	1248.1	1176.2	1083.0	991.0	900.4	810.1	715.1	618.2	521.8
35°	1400.0	1342.3	1279.5	1211.2	1121.7	1026.7	933.1	840.8	743.1	643.4	542.7
32.5°	1433.0	1373.7	1308.6	1239.6	1157.5	1059.7	963.3	867.9	769.1	667.4	562.1
30°	1472.4	1400.1	1334.7	1267.4	1188.0	1089.8	991.2	893.1	793.1	689.9	580.4
27.5°	1510.0	1425.5	1358.1	1290.6	1211.9	1117.2	1017.1	916.4	815.1	710.4	598.4
25°	1546.4	1454.6	1379.8	1310.0	1234.9	1143.4	1040.8	937.8	834.4	728.3	615.0
22.5°	1588.2	1481.1	1400.1	1326.9	1256.9	1167.1	1062.3	957.1	851.6	744.3	630.3
20°	1625.5	1503.1	1418.8	1342.7	1273.4	1185.0	1081.5	974.3	867.0	758.5	644.0
17.5°	1661.8	1527.9	1437.1	1358.0	1285.7	1200.6	1098.3	989.4	880.4	770.8	656.2
15°	1712.3	1556.4	1453.0	1371.0	1296.1	1214.0	1112.7	1002.4	891.9	781.3	667.2
12.5°	1755.5	1580.2	1466.1	1381.6	1304.6	1225.0	1124.7	1013.1	901.4	790.5	676.9
10°	1790.6	1599.3	1476.3	1389.9	1311.2	1233.6	1134.2	1022.2	910.4	798.6	684.9
7.5°	1817.3	1613.5	1483.7	1395.7	1315.7	1240.0	1142.9	1030.2	917.6	804.9	691.2
5°	1835.4	1622.8	1489.8	1399.1	1318.2	1243.8	1149.3	1036.0	922.7	809.4	695.6
2.5°	1844.8	1627.0	1494.3	1400.0	1318.7	1245.1	1153.2	1039.4	925.8	812.1	698.3
0°	1845.5	1626.0	1495.9	1398.4	1317.1	1243.9	1154.5	1040.6	926.8	813.0	699.2
-2.5°	1844.8	1627.0	1494.3	1400.0	1318.7	1245.1	1153.2	1039.4	925.8	812.1	698.3
-5°	1835.4	1622.8	1489.8	1399.1	1318.2	1243.8	1149.3	1036.0	922.7	809.4	695.6
-7.5°	1817.3	1613.5	1483.7	1395.7	1315.7	1240.0	1142.9	1030.2	917.6	804.9	691.2
-10°	1790.6	1599.3	1476.3	1389.9	1311.2	1233.6	1134.2	1022.2	910.4	798.6	684.9
-12.5°	1755.5	1580.2	1466.1	1381.6	1304.6	1225.0	1124.7	1013.1	901.4	790.5	676.9
-15°	1712.3	1556.4	1453.0	1371.0	1296.1	1214.0	1112.7	1002.4	891.9	781.3	667.2
-17.5°	1661.8	1527.9	1437.1	1358.0	1285.7	1200.6	1098.3	989.4	880.4	770.8	656.2
-20°	1625.5	1503.1	1418.8	1342.7	1273.4	1185.0	1081.5	974.3	867.0	758.5	644.0

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

Scaled Data Report



REPORT NUMBER: P627747 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1588.2	1481.1	1400.1	1326.9	1256.9	1167.1	1062.3	957.1	851.6	744.3	630.3
-25°	1546.4	1454.6	1379.8	1310.0	1234.9	1143.4	1040.8	937.8	834.4	728.3	615.0
-27.5°	1510.0	1425.5	1358.1	1290.6	1211.9	1117.2	1017.1	916.4	815.1	710.4	598.4
-30°	1472.4	1400.1	1334.7	1267.4	1188.0	1089.8	991.2	893.1	793.1	689.9	580.4
-32.5°	1433.0	1373.7	1308.6	1239.6	1157.5	1059.7	963.3	867.9	769.1	667.4	562.1
-35°	1400.0	1342.3	1279.5	1211.2	1121.7	1026.7	933.1	840.8	743.1	643.4	542.7
-37.5°	1363.0	1307.2	1248.1	1176.2	1083.0	991.0	900.4	810.1	715.1	618.2	521.8
-40°	1324.9	1270.4	1213.0	1131.1	1041.3	952.8	865.5	777.1	685.1	591.7	499.5
-42.5°	1285.7	1230.0	1165.2	1083.1	996.9	912.0	828.3	742.8	654.1	564.4	475.8
-45°	1239.6	1183.9	1114.6	1033.3	949.8	868.9	789.1	707.1	621.7	535.6	450.7
-47.5°	1190.5	1132.7	1061.0	981.4	900.5	823.9	748.8	669.4	587.8	505.4	424.4
-50°	1140.2	1077.4	1003.2	927.6	850.7	779.0	706.9	630.1	552.5	474.1	396.8
-52.5°	1080.5	1013.6	943.5	871.9	800.9	733.0	662.1	589.5	516.0	441.5	368.0
-55°	1012.1	948.1	881.9	814.5	749.0	683.2	616.0	547.6	478.3	407.5	338.6
-57.5°	939.2	880.4	817.1	754.7	692.2	630.5	568.5	504.4	438.5	372.3	311.8
-60°	861.5	805.5	748.8	689.6	631.6	575.9	519.9	459.4	397.2	336.9	284.4
-62.5°	776.8	726.9	674.2	620.7	569.7	519.9	469.5	411.7	354.7	304.4	256.2
-65°	689.5	643.8	596.8	551.9	507.1	462.1	414.7	362.7	315.5	270.9	227.4
-67.5°	600.7	562.0	522.1	482.4	443.3	402.2	358.8	317.1	276.5	236.7	198.1
-70°	516.2	481.9	448.0	414.4	379.1	342.6	308.0	272.4	236.7	202.7	168.3
-72.5°	433.5	405.4	376.3	346.5	317.6	288.0	257.7	227.4	198.1	168.3	138.0
-75°	353.0	330.3	307.0	283.0	258.3	233.2	209.3	184.2	159.0	133.4	111.3
-77.5°	277.1	258.4	239.0	221.3	202.9	183.2	162.3	140.6	121.8	104.2	85.6
-80°	206.0	193.2	179.9	165.9	150.0	133.2	118.5	104.3	90.3	75.5	59.8
-82.5°	140.5	131.5	122.4	112.8	101.9	91.1	80.6	70.2	58.8	46.6	38.3
-85°	80.1	74.2	68.2	61.9	55.2	48.8	45.0	41.1	35.7	30.5	25.6
-87.5°	33.0	31.4	29.7	28.0	26.2	24.4	22.5	20.6	17.9	15.3	12.8
-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: P627747 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-730-U-MWR-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°	10.5	8.8	7.1	5.3	3.5	1.8	0.0
85°	21.0	17.6	14.1	10.6	7.1	3.5	0.0
82.5°	31.5	26.4	21.1	15.9	10.6	5.3	0.0
80°	43.4	35.1	28.1	21.1	14.1	7.1	0.0
77.5°	66.1	47.3	35.1	26.4	17.6	8.8	0.0
75°	88.7	66.1	43.4	31.5	21.0	10.5	0.0
72.5°	110.9	84.7	58.3	36.6	24.4	12.2	0.0
70°	133.4	103.1	73.1	42.8	27.8	13.9	0.0
67.5°	158.8	121.2	87.6	53.7	31.1	15.6	0.0
65°	183.6	140.3	101.8	64.4	34.4	17.2	0.0
62.5°	207.9	160.3	115.8	74.9	37.5	18.8	0.0
60°	231.5	179.7	129.4	85.1	40.7	20.3	0.0
57.5°	255.2	198.6	144.3	95.1	47.2	21.9	0.0
55°	278.4	216.9	158.8	104.8	53.6	23.3	0.0
52.5°	301.1	234.8	172.8	114.3	59.7	24.8	0.0
50°	323.1	253.3	186.3	123.4	65.6	26.2	0.0
47.5°	344.8	271.2	199.2	132.4	71.3	27.5	0.0
45°	367.3	288.5	211.6	141.7	76.7	28.8	0.0
42.5°	388.8	305.2	223.4	150.5	81.8	30.0	0.0
40°	409.1	321.2	235.3	158.6	86.7	31.2	0.0
37.5°	428.2	336.5	247.4	166.2	91.2	32.3	0.0
35°	446.2	351.3	258.9	173.4	95.5	33.3	0.0
32.5°	462.9	365.4	269.8	180.0	99.5	34.3	0.0
30°	478.4	378.4	280.0	186.2	103.1	35.2	0.0
27.5°	492.6	390.4	289.0	191.9	106.5	36.1	0.0
25°	505.5	401.4	297.2	197.1	109.5	36.9	0.0
22.5°	517.1	411.1	304.6	201.8	112.2	37.6	0.0
20°	527.4	419.4	311.2	205.9	114.6	38.2	0.0
17.5°	536.6	426.6	317.0	209.6	116.7	38.8	0.0
15°	545.0	432.8	321.9	212.6	118.4	39.3	0.0
12.5°	552.2	437.9	326.0	215.2	119.8	39.7	0.0
10°	558.1	442.0	329.2	217.2	120.9	40.1	0.0
7.5°	562.9	444.9	331.5	218.6	121.6	40.4	0.0
5°	566.3	446.8	333.0	219.4	122.1	40.5	0.0
2.5°	568.4	447.5	333.6	219.8	122.2	40.7	0.0
0°	569.1	447.2	333.3	219.5	122.0	40.7	0.0
-2.5°	568.4	447.5	333.6	219.8	122.2	40.7	0.0
-5°	566.3	446.8	333.0	219.4	122.1	40.5	0.0
-7.5°	562.9	444.9	331.5	218.6	121.6	40.4	0.0
-10°	558.1	442.0	329.2	217.2	120.9	40.1	0.0
-12.5°	552.2	437.9	326.0	215.2	119.8	39.7	0.0
-15°	545.0	432.8	321.9	212.6	118.4	39.3	0.0
-17.5°	536.6	426.6	317.0	209.6	116.7	38.8	0.0
-20°	527.4	419.4	311.2	205.9	114.6	38.2	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	517.1	411.1	304.6	201.8	112.2	37.6	0.0
-25°	505.5	401.4	297.2	197.1	109.5	36.9	0.0
-27.5°	492.6	390.4	289.0	191.9	106.5	36.1	0.0
-30°	478.4	378.4	280.0	186.2	103.1	35.2	0.0
-32.5°	462.9	365.4	269.8	180.0	99.5	34.3	0.0
-35°	446.2	351.3	258.9	173.4	95.5	33.3	0.0
-37.5°	428.2	336.5	247.4	166.2	91.2	32.3	0.0
-40°	409.1	321.2	235.3	158.6	86.7	31.2	0.0
-42.5°	388.8	305.2	223.4	150.5	81.8	30.0	0.0
-45°	367.3	288.5	211.6	141.7	76.7	28.8	0.0
-47.5°	344.8	271.2	199.2	132.4	71.3	27.5	0.0
-50°	323.1	253.3	186.3	123.4	65.6	26.2	0.0
-52.5°	301.1	234.8	172.8	114.3	59.7	24.8	0.0
-55°	278.4	216.9	158.8	104.8	53.6	23.3	0.0
-57.5°	255.2	198.6	144.3	95.1	47.2	21.9	0.0
-60°	231.5	179.7	129.4	85.1	40.7	20.3	0.0
-62.5°	207.9	160.3	115.8	74.9	37.5	18.8	0.0
-65°	183.6	140.3	101.8	64.4	34.4	17.2	0.0
-67.5°	158.8	121.2	87.6	53.7	31.1	15.6	0.0
-70°	133.4	103.1	73.1	42.8	27.8	13.9	0.0
-72.5°	110.9	84.7	58.3	36.6	24.4	12.2	0.0
-75°	88.7	66.1	43.4	31.5	21.0	10.5	0.0
-77.5°	66.1	47.3	35.1	26.4	17.6	8.8	0.0
-80°	43.4	35.1	28.1	21.1	14.1	7.1	0.0
-82.5°	31.5	26.4	21.1	15.9	10.6	5.3	0.0
-85°	21.0	17.6	14.1	10.6	7.1	3.5	0.0
-87.5°	10.5	8.8	7.1	5.3	3.5	1.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)