

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: P627637 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-735-U-MWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627637 (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-SA5C-735-U-MWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N120
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30974.8 lumens
Efficiency: N/A
Efficacy: 150.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 5H x 5V
Max Intensity: 36394.1 candela
Max Intensity Angle: -7.5°H x 10°V

Beam Angle (50%): 51°H x 52.3°V
Beam Lumens: 20559.2 lumens
Beam Efficiency: 66.4%

Field Angle (10%): 74.5°H x 75.5°V
Field Lumens: 26732.9 lumens
Field Efficiency: 86.3%

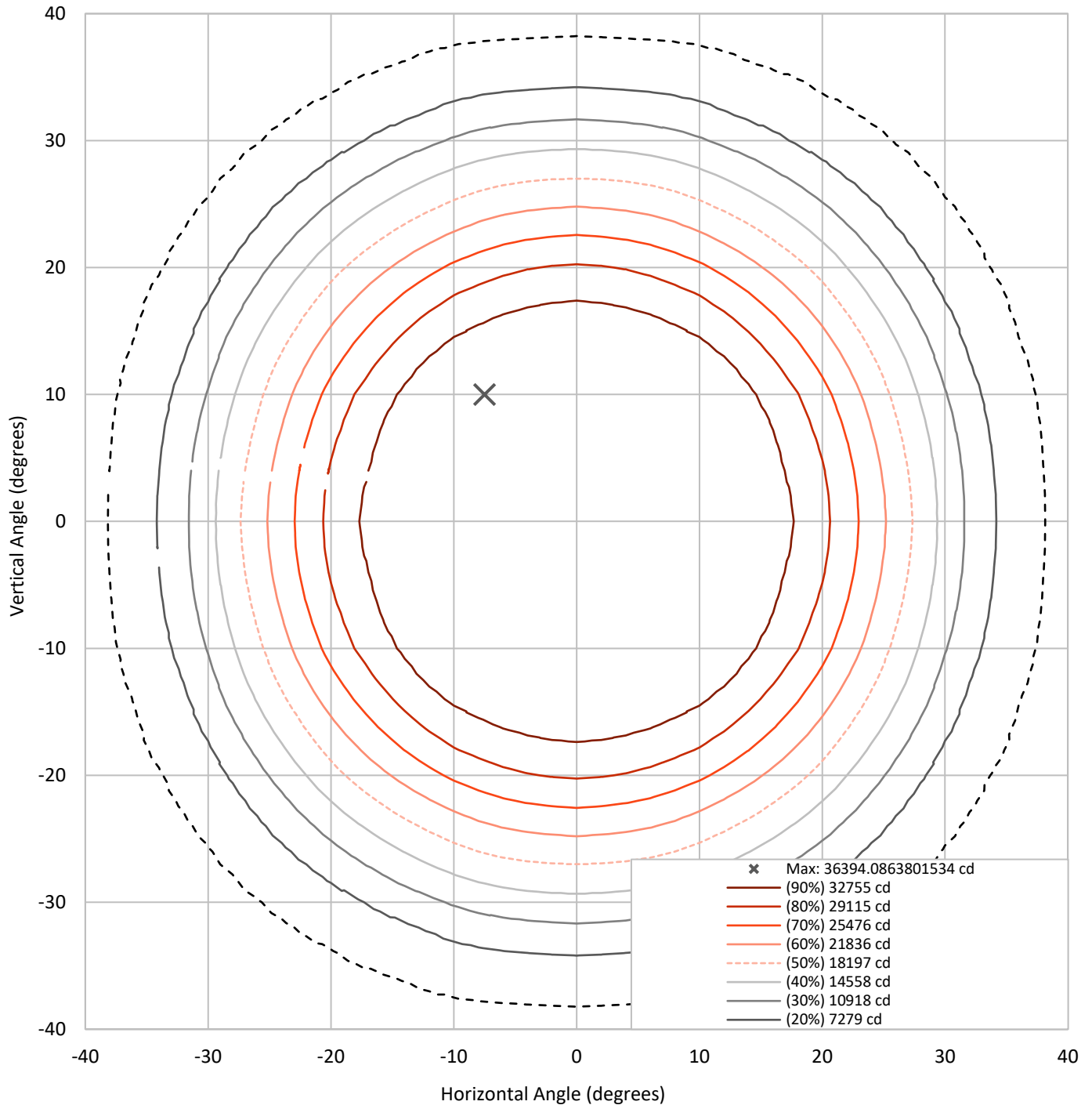
Input Watts (W): 206.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: GFLD-SA5C-735-U-MWR-XX

Iso-Candela Plot





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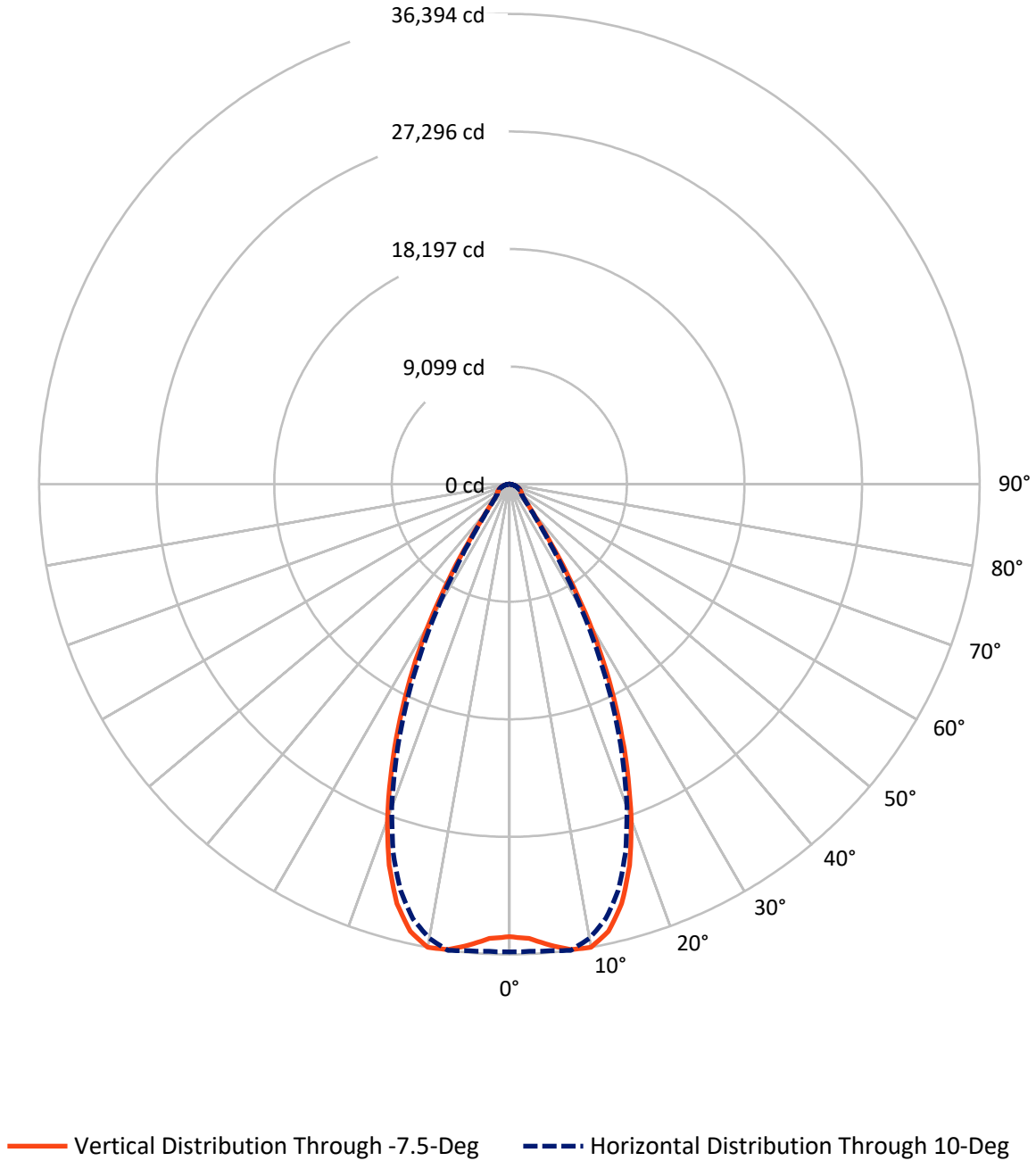
CATALOG NUMBER: GFLD-SA5C-735-U-MWR-XX

Lumen Table

90																			
80	0.8	7.3		19.4		30.8		34.4		30.8		19.4		7.3		0.8			
70																			
60	3.3	3.7	7.6	12.4	17.4	21.1	23.8	25.2	25.2	23.8	21.1	17.4	12.4	7.6	3.7	3.3			
50		5.6	11.2	17.9	23.9	28.9	32.4	33.8	33.8	32.4	28.9	23.9	17.9	11.2	5.6				
40	5.8	7.2	14.2	21.7	29.1	37.8	47.6	54.6	54.6	47.6	37.8	29.1	21.7	14.2	7.2	5.8			
30		8.5	16.4	24.9	38.6	70.4	134.7	199.7	199.7	134.7	70.4	38.6	24.9	16.4	8.5				
20	7.5	9.5	17.9	29.1	63.4	198.8	446.1	622.9	622.9	446.1	198.8	63.4	29.1	17.9	9.5	7.5			
10		10.2	18.9	34.6	114.7	423.9	809.5	1013.1	1013.1	809.5	423.9	114.7	34.6	18.9	10.2				
0	8.1	10.5	19.3	38.9	165.1	580.1	982.1	1068.5	1068.5	982.1	580.1	165.1	38.9	19.3	10.5	8.1			
-10		10.5	19.3	38.9	165.1	580.1	982.1	1068.5	1068.5	982.1	580.1	165.1	38.9	19.3	10.5				
-20	7.5	10.2	18.9	34.6	114.7	423.9	809.5	1013.1	1013.1	809.5	423.9	114.7	34.6	18.9	10.2	7.5			
-30		9.5	17.9	29.1	63.4	198.8	446.1	622.9	622.9	446.1	198.8	63.4	29.1	17.9	9.5				
-40	5.8	8.5	16.4	24.9	38.6	70.4	134.7	199.7	199.7	134.7	70.4	38.6	24.9	16.4	8.5	5.8			
-50		7.2	14.2	21.7	29.1	37.8	47.6	54.6	54.6	47.6	37.8	29.1	21.7	14.2	7.2				
-60	3.3	5.6	11.2	17.9	23.9	28.9	32.4	33.8	33.8	32.4	28.9	23.9	17.9	11.2	5.6	3.3			
-70		3.7	7.6	12.4	17.4	21.1	23.8	25.2	25.2	23.8	21.1	17.4	12.4	7.6	3.7				
-80																			
-90	0.8	7.3		19.4		30.8		34.4		30.8		19.4		7.3		0.8			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

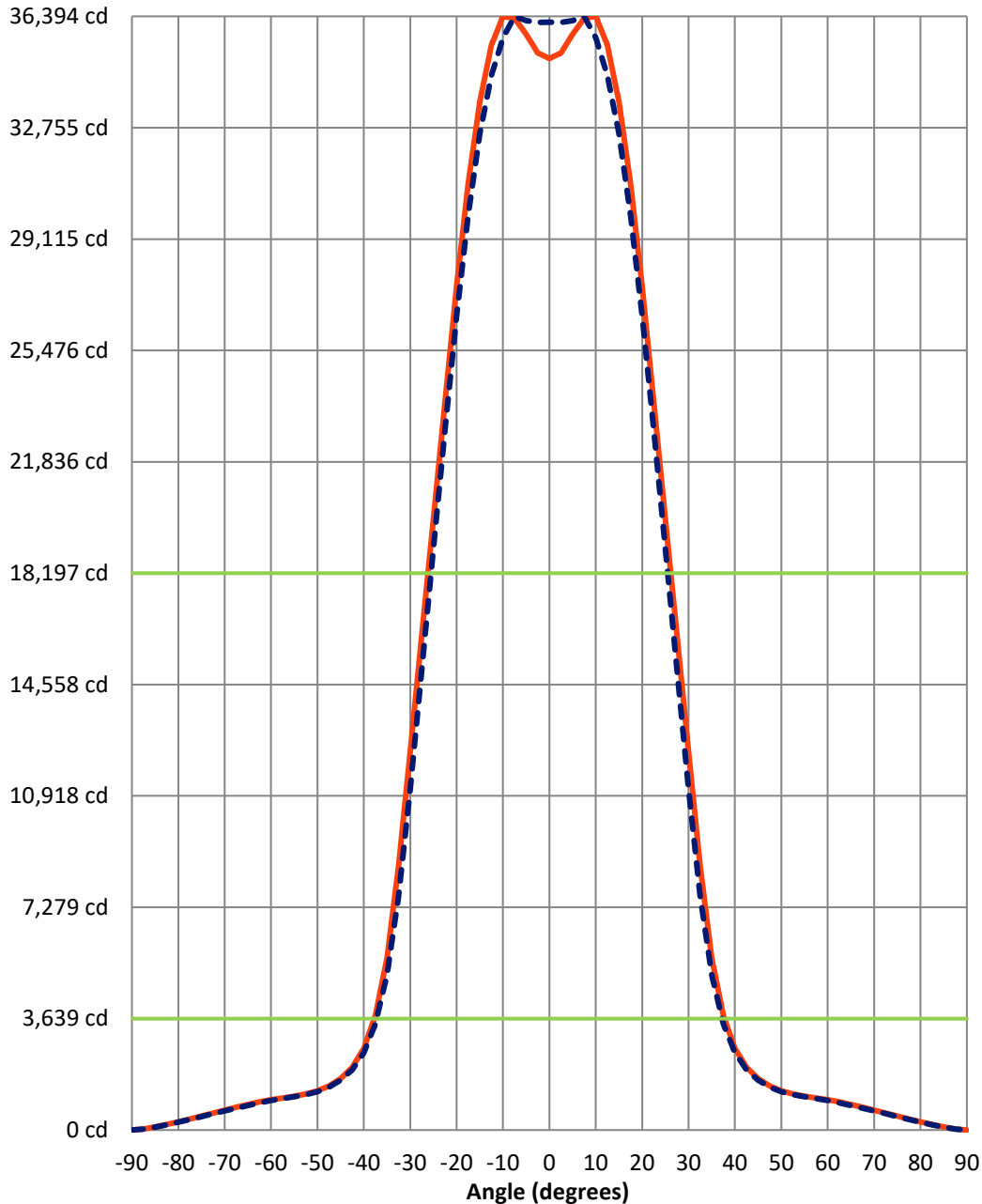
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 51°
 V Angle: 52.3°
 Lumens: 20559.2
 Efficiency: 66.4%

Field:
 H Angle: 74.5°
 V Angle: 75.5°
 Lumens: 26732.9
 Efficiency: 86.3%

Spill:
 Lumens: 4241.9
 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	1.4	2.8	4.1	5.5	6.9	8.2	10.0	12.0	14.0	16.1
85°	0.0	2.8	5.5	8.3	11.0	13.7	16.4	20.0	23.9	27.9	32.2
82.5°	0.0	4.1	8.3	12.4	16.5	20.6	24.6	30.0	36.5	46.0	55.0
80°	0.0	5.5	11.0	16.5	22.0	27.4	33.9	46.8	59.1	70.7	81.7
77.5°	0.0	6.9	13.7	20.6	27.4	37.0	51.7	67.0	81.6	95.4	110.1
75°	0.0	8.2	16.4	24.6	33.9	51.7	69.4	87.1	104.5	124.6	144.3
72.5°	0.0	9.6	19.1	28.6	45.6	66.3	86.9	108.1	131.8	155.2	178.1
70°	0.0	10.9	21.7	33.4	57.2	80.7	104.5	131.8	158.8	185.4	213.4
67.5°	0.0	12.2	24.3	42.0	68.5	94.9	124.4	155.2	185.4	216.6	248.4
65°	0.0	13.4	26.9	50.4	79.7	109.9	143.8	178.1	212.2	247.1	284.2
62.5°	0.0	14.7	29.3	58.6	90.7	125.5	162.9	200.7	238.4	277.8	322.5
60°	0.0	15.9	31.8	66.6	101.4	140.8	181.4	222.8	263.9	311.2	359.9
57.5°	0.0	17.1	36.9	74.5	113.0	155.6	199.9	244.2	291.6	343.5	395.2
55°	0.0	18.2	41.9	82.1	124.4	169.9	218.1	265.2	319.2	374.7	429.0
52.5°	0.0	19.4	46.7	89.5	135.4	183.9	235.8	288.3	345.8	404.2	461.8
50°	0.0	20.4	51.3	96.7	145.9	198.4	253.1	310.8	371.4	432.9	493.7
47.5°	0.0	21.5	55.8	103.7	156.1	212.4	270.1	332.4	395.9	460.5	524.4
45°	0.0	22.5	60.0	111.0	165.7	226.0	287.7	353.1	419.6	487.0	554.0
42.5°	0.0	23.4	64.0	117.9	175.0	239.1	304.5	372.7	442.1	512.4	581.9
40°	0.0	24.4	67.8	124.3	184.3	251.6	320.4	391.3	463.6	536.7	608.8
37.5°	0.0	25.2	71.4	130.2	193.8	263.6	335.5	408.8	484.3	560.2	634.6
35°	0.0	26.0	74.8	135.8	202.8	275.2	349.5	425.1	504.1	582.1	658.7
32.5°	0.0	26.8	77.9	141.0	211.3	286.2	362.7	440.3	522.8	602.5	679.9
30°	0.0	27.5	80.7	145.9	219.3	296.4	374.8	454.6	540.5	621.4	699.7
27.5°	0.0	28.2	83.4	150.4	226.4	305.9	385.9	468.8	556.6	638.5	717.9
25°	0.0	28.8	85.7	154.4	232.8	314.4	396.0	481.8	570.6	653.7	734.7
22.5°	0.0	29.4	87.9	158.1	238.6	322.1	405.1	493.8	583.1	667.2	749.8
20°	0.0	29.9	89.7	161.3	243.8	328.6	413.1	504.5	594.3	679.2	763.3
17.5°	0.0	30.3	91.3	164.2	248.3	334.2	420.4	514.1	603.9	689.7	775.2
15°	0.0	30.7	92.7	166.6	252.2	339.1	426.9	522.7	612.0	698.8	785.3
12.5°	0.0	31.0	93.8	168.6	255.4	343.1	432.5	530.3	619.3	706.2	793.7
10°	0.0	31.3	94.6	170.1	257.9	346.2	437.2	536.6	625.6	713.3	800.8
7.5°	0.0	31.5	95.2	171.3	259.7	348.5	440.9	541.5	630.5	718.9	807.2
5°	0.0	31.7	95.6	172.0	260.9	350.0	443.6	545.0	634.1	722.9	811.7
2.5°	0.0	31.8	95.7	172.2	261.3	350.6	445.2	547.1	636.2	725.3	814.4
0°	0.0	31.8	95.5	172.0	261.1	350.3	445.8	547.8	636.9	726.1	815.3
-2.5°	0.0	31.8	95.7	172.2	261.3	350.6	445.2	547.1	636.2	725.3	814.4
-5°	0.0	31.7	95.6	172.0	260.9	350.0	443.6	545.0	634.1	722.9	811.7
-7.5°	0.0	31.5	95.2	171.3	259.7	348.5	440.9	541.5	630.5	718.9	807.2
-10°	0.0	31.3	94.6	170.1	257.9	346.2	437.2	536.6	625.6	713.3	800.8
-12.5°	0.0	31.0	93.8	168.6	255.4	343.1	432.5	530.3	619.3	706.2	793.7
-15°	0.0	30.7	92.7	166.6	252.2	339.1	426.9	522.7	612.0	698.8	785.3
-17.5°	0.0	30.3	91.3	164.2	248.3	334.2	420.4	514.1	603.9	689.7	775.2
-20°	0.0	29.9	89.7	161.3	243.8	328.6	413.1	504.5	594.3	679.2	763.3

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA5C-735-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	29.4	87.9	158.1	238.6	322.1	405.1	493.8	583.1	667.2	749.8
-25°	0.0	28.8	85.7	154.4	232.8	314.4	396.0	481.8	570.6	653.7	734.7
-27.5°	0.0	28.2	83.4	150.4	226.4	305.9	385.9	468.8	556.6	638.5	717.9
-30°	0.0	27.5	80.7	145.9	219.3	296.4	374.8	454.6	540.5	621.4	699.7
-32.5°	0.0	26.8	77.9	141.0	211.3	286.2	362.7	440.3	522.8	602.5	679.9
-35°	0.0	26.0	74.8	135.8	202.8	275.2	349.5	425.1	504.1	582.1	658.7
-37.5°	0.0	25.2	71.4	130.2	193.8	263.6	335.5	408.8	484.3	560.2	634.6
-40°	0.0	24.4	67.8	124.3	184.3	251.6	320.4	391.3	463.6	536.7	608.8
-42.5°	0.0	23.4	64.0	117.9	175.0	239.1	304.5	372.7	442.1	512.4	581.9
-45°	0.0	22.5	60.0	111.0	165.7	226.0	287.7	353.1	419.6	487.0	554.0
-47.5°	0.0	21.5	55.8	103.7	156.1	212.4	270.1	332.4	395.9	460.5	524.4
-50°	0.0	20.4	51.3	96.7	145.9	198.4	253.1	310.8	371.4	432.9	493.7
-52.5°	0.0	19.4	46.7	89.5	135.4	183.9	235.8	288.3	345.8	404.2	461.8
-55°	0.0	18.2	41.9	82.1	124.4	169.9	218.1	265.2	319.2	374.7	429.0
-57.5°	0.0	17.1	36.9	74.5	113.0	155.6	199.9	244.2	291.6	343.5	395.2
-60°	0.0	15.9	31.8	66.6	101.4	140.8	181.4	222.8	263.9	311.2	359.9
-62.5°	0.0	14.7	29.3	58.6	90.7	125.5	162.9	200.7	238.4	277.8	322.5
-65°	0.0	13.4	26.9	50.4	79.7	109.9	143.8	178.1	212.2	247.1	284.2
-67.5°	0.0	12.2	24.3	42.0	68.5	94.9	124.4	155.2	185.4	216.6	248.4
-70°	0.0	10.9	21.7	33.4	57.2	80.7	104.5	131.8	158.8	185.4	213.4
-72.5°	0.0	9.6	19.1	28.6	45.6	66.3	86.9	108.1	131.8	155.2	178.1
-75°	0.0	8.2	16.4	24.6	33.9	51.7	69.4	87.1	104.5	124.6	144.3
-77.5°	0.0	6.9	13.7	20.6	27.4	37.0	51.7	67.0	81.6	95.4	110.1
-80°	0.0	5.5	11.0	16.5	22.0	27.4	33.9	46.8	59.1	70.7	81.7
-82.5°	0.0	4.1	8.3	12.4	16.5	20.6	24.6	30.0	36.5	46.0	55.0
-85°	0.0	2.8	5.5	8.3	11.0	13.7	16.4	20.0	23.9	27.9	32.2
-87.5°	0.0	1.4	2.8	4.1	5.5	6.9	8.2	10.0	12.0	14.0	16.1
-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°	17.6	19.1	20.5	21.9	23.3	24.5	25.8	27.0	28.2	29.3	30.3
85°	35.2	38.2	43.2	48.4	53.4	58.2	62.8	67.2	71.4	75.4	79.3
82.5°	63.1	71.4	79.8	88.4	95.9	103.1	110.1	117.3	124.6	131.8	138.9
80°	92.8	104.3	117.5	130.0	140.9	151.3	161.4	171.0	181.5	192.8	204.1
77.5°	127.1	143.5	158.9	173.4	187.2	202.4	217.1	231.2	245.9	260.4	274.2
75°	163.9	182.6	202.3	221.7	240.5	258.8	276.6	294.7	313.1	331.3	348.7
72.5°	201.9	225.6	248.9	271.5	294.8	317.6	339.7	360.9	382.7	405.1	426.4
70°	241.3	268.4	297.0	324.6	351.0	377.6	404.4	430.4	455.7	481.6	507.2
67.5°	281.1	315.1	347.3	378.0	409.0	440.3	470.6	501.6	531.6	561.7	590.5
65°	324.9	362.1	397.3	432.3	467.6	504.3	540.2	574.7	609.5	643.2	673.4
62.5°	367.8	407.3	446.3	486.2	528.2	569.5	608.6	648.3	688.6	723.9	754.5
60°	407.3	451.1	494.8	540.3	586.7	631.1	674.9	718.0	761.5	802.0	827.0
57.5°	445.4	493.9	542.3	591.3	640.1	689.7	735.8	783.1	823.6	857.8	886.7
55°	482.6	535.3	586.8	638.1	690.9	742.7	792.8	837.9	877.4	905.8	933.8
52.5°	518.7	574.3	627.4	683.0	739.1	794.1	846.5	888.3	920.6	949.7	975.8
50°	553.8	610.3	666.4	726.7	785.9	844.1	893.3	929.8	962.8	991.1	1018.6
47.5°	586.6	645.5	705.5	768.9	831.2	887.4	932.6	970.9	1004.6	1035.2	1067.5
45°	618.2	680.7	744.1	809.5	873.2	927.5	971.1	1012.4	1043.8	1078.3	1115.5
42.5°	648.9	714.5	781.0	848.5	912.9	963.6	1007.2	1045.0	1082.0	1122.9	1167.8
40°	678.0	746.4	815.8	886.1	950.3	995.2	1037.9	1078.0	1122.9	1171.6	1223.5
37.5°	705.4	776.4	848.4	921.4	977.8	1024.1	1067.8	1112.5	1164.7	1221.1	1291.7
35°	731.0	804.3	878.8	948.9	1002.4	1051.6	1096.8	1146.7	1207.6	1281.3	1371.7
32.5°	754.6	830.2	906.8	971.1	1025.1	1076.2	1122.7	1184.9	1258.1	1345.7	1473.7
30°	776.5	853.8	930.7	992.9	1045.6	1096.9	1153.5	1223.5	1309.2	1437.2	1600.9
27.5°	796.8	875.3	949.5	1011.1	1063.9	1116.8	1183.0	1267.9	1380.7	1533.4	1736.9
25°	815.4	895.8	967.5	1026.3	1080.9	1139.5	1211.5	1306.8	1455.3	1652.4	1927.5
22.5°	832.2	914.3	984.7	1039.4	1096.8	1160.4	1244.3	1363.6	1534.7	1764.9	2119.7
20°	847.3	928.3	997.6	1051.9	1111.5	1177.5	1273.5	1417.4	1623.7	1921.8	2374.8
17.5°	860.5	940.6	1007.3	1063.9	1125.8	1197.0	1301.9	1463.9	1702.8	2058.8	2632.6
15°	871.8	951.1	1015.4	1074.0	1138.3	1219.3	1341.5	1524.8	1794.7	2201.2	2857.3
12.5°	881.1	959.7	1022.1	1082.4	1148.6	1238.0	1375.3	1582.3	1890.0	2376.1	3188.4
10°	888.5	966.5	1027.2	1088.9	1156.6	1252.9	1402.8	1629.3	1969.1	2527.7	3470.8
7.5°	895.3	971.5	1030.7	1093.5	1162.3	1264.0	1423.7	1665.4	2029.6	2646.7	3694.4
5°	900.4	974.5	1032.7	1096.1	1167.1	1271.3	1437.9	1690.5	2071.5	2731.8	3851.7
2.5°	903.4	975.4	1033.0	1096.8	1170.7	1274.6	1445.3	1704.5	2104.4	2772.0	3936.2
0°	904.4	974.5	1031.8	1095.5	1171.9	1273.8	1445.8	1707.0	2121.0	2770.6	3948.9
-2.5°	903.4	975.4	1033.0	1096.8	1170.7	1274.6	1445.3	1704.5	2104.4	2772.0	3936.2
-5°	900.4	974.5	1032.7	1096.1	1167.1	1271.3	1437.9	1690.5	2071.5	2731.8	3851.7
-7.5°	895.3	971.5	1030.7	1093.5	1162.3	1264.0	1423.7	1665.4	2029.6	2646.7	3694.4
-10°	888.5	966.5	1027.2	1088.9	1156.6	1252.9	1402.8	1629.3	1969.1	2527.7	3470.8
-12.5°	881.1	959.7	1022.1	1082.4	1148.6	1238.0	1375.3	1582.3	1890.0	2376.1	3188.4
-15°	871.8	951.1	1015.4	1074.0	1138.3	1219.3	1341.5	1524.8	1794.7	2201.2	2857.3
-17.5°	860.5	940.6	1007.3	1063.9	1125.8	1197.0	1301.9	1463.9	1702.8	2058.8	2632.6
-20°	847.3	928.3	997.6	1051.9	1111.5	1177.5	1273.5	1417.4	1623.7	1921.8	2374.8



REPORT NUMBER: P627637 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-735-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°	832.2	914.3	984.7	1039.4	1096.8	1160.4	1244.3	1363.6	1534.7	1764.9	2119.7
-25°	815.4	895.8	967.5	1026.3	1080.9	1139.5	1211.5	1306.8	1455.3	1652.4	1927.5
-27.5°	796.8	875.3	949.5	1011.1	1063.9	1116.8	1183.0	1267.9	1380.7	1533.4	1736.9
-30°	776.5	853.8	930.7	992.9	1045.6	1096.9	1153.5	1223.5	1309.2	1437.2	1600.9
-32.5°	754.6	830.2	906.8	971.1	1025.1	1076.2	1122.7	1184.9	1258.1	1345.7	1473.7
-35°	731.0	804.3	878.8	948.9	1002.4	1051.6	1096.8	1146.7	1207.6	1281.3	1371.7
-37.5°	705.4	776.4	848.4	921.4	977.8	1024.1	1067.8	1112.5	1164.7	1221.1	1291.7
-40°	678.0	746.4	815.8	886.1	950.3	995.2	1037.9	1078.0	1122.9	1171.6	1223.5
-42.5°	648.9	714.5	781.0	848.5	912.9	963.6	1007.2	1045.0	1082.0	1122.9	1167.8
-45°	618.2	680.7	744.1	809.5	873.2	927.5	971.1	1012.4	1043.8	1078.3	1115.5
-47.5°	586.6	645.5	705.5	768.9	831.2	887.4	932.6	970.9	1004.6	1035.2	1067.5
-50°	553.8	610.3	666.4	726.7	785.9	844.1	893.3	929.8	962.8	991.1	1018.6
-52.5°	518.7	574.3	627.4	683.0	739.1	794.1	846.5	888.3	920.6	949.7	975.8
-55°	482.6	535.3	586.8	638.1	690.9	742.7	792.8	837.9	877.4	905.8	933.8
-57.5°	445.4	493.9	542.3	591.3	640.1	689.7	735.8	783.1	823.6	857.8	886.7
-60°	407.3	451.1	494.8	540.3	586.7	631.1	674.9	718.0	761.5	802.0	827.0
-62.5°	367.8	407.3	446.3	486.2	528.2	569.5	608.6	648.3	688.6	723.9	754.5
-65°	324.9	362.1	397.3	432.3	467.6	504.3	540.2	574.7	609.5	643.2	673.4
-67.5°	281.1	315.1	347.3	378.0	409.0	440.3	470.6	501.6	531.6	561.7	590.5
-70°	241.3	268.4	297.0	324.6	351.0	377.6	404.4	430.4	455.7	481.6	507.2
-72.5°	201.9	225.6	248.9	271.5	294.8	317.6	339.7	360.9	382.7	405.1	426.4
-75°	163.9	182.6	202.3	221.7	240.5	258.8	276.6	294.7	313.1	331.3	348.7
-77.5°	127.1	143.5	158.9	173.4	187.2	202.4	217.1	231.2	245.9	260.4	274.2
-80°	92.8	104.3	117.5	130.0	140.9	151.3	161.4	171.0	181.5	192.8	204.1
-82.5°	63.1	71.4	79.8	88.4	95.9	103.1	110.1	117.3	124.6	131.8	138.9
-85°	35.2	38.2	43.2	48.4	53.4	58.2	62.8	67.2	71.4	75.4	79.3
-87.5°	17.6	19.1	20.5	21.9	23.3	24.5	25.8	27.0	28.2	29.3	30.3
-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: P627637 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-735-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°	31.3	30.9	30.3	29.6	28.8	30.8	32.9	34.9	36.9	35.7	34.5
85°	82.9	84.8	86.3	87.7	88.8	92.8	96.6	100.2	103.5	103.4	103.0
82.5°	145.9	150.6	154.6	158.2	161.4	166.0	170.2	173.8	176.8	179.1	181.1
80°	215.0	222.6	229.1	235.1	240.4	246.5	252.2	257.2	261.6	264.0	265.5
77.5°	287.9	299.1	309.0	318.6	327.6	336.5	344.6	351.9	358.2	359.7	359.3
75°	365.3	380.2	394.2	407.3	419.3	429.6	438.3	445.6	451.6	454.6	456.2
72.5°	446.7	465.1	481.6	496.5	509.3	519.9	529.1	537.1	543.8	548.1	550.6
70°	531.6	553.4	570.4	584.4	595.3	605.8	617.7	629.0	639.6	645.6	647.9
67.5°	616.8	639.4	654.9	667.7	677.7	688.1	703.0	716.5	728.4	736.5	741.7
65°	700.1	723.9	739.5	751.7	760.9	771.4	788.1	801.4	811.5	819.6	826.9
62.5°	782.5	806.5	823.8	838.3	851.7	863.2	876.9	888.1	896.8	904.8	913.8
60°	853.9	882.3	900.5	915.2	931.8	949.7	959.8	968.2	975.5	981.9	987.4
57.5°	912.2	937.5	960.9	978.6	995.9	1012.5	1024.4	1032.3	1038.7	1043.5	1045.4
55°	961.0	987.1	1013.3	1032.4	1049.4	1064.9	1078.0	1088.3	1096.8	1103.5	1105.1
52.5°	1004.7	1034.1	1059.7	1081.8	1104.2	1122.6	1136.9	1150.9	1163.1	1172.9	1177.2
50°	1052.2	1083.0	1115.0	1144.6	1168.4	1189.4	1206.8	1226.6	1247.4	1264.6	1275.4
47.5°	1102.2	1137.7	1176.3	1212.8	1241.1	1272.1	1301.0	1330.4	1369.0	1401.5	1425.6
45°	1154.6	1200.1	1244.1	1290.5	1329.5	1388.1	1442.4	1489.1	1551.0	1607.3	1652.0
42.5°	1216.3	1273.0	1327.1	1401.4	1479.1	1559.0	1645.4	1719.0	1816.0	1914.6	1994.3
40°	1289.5	1361.9	1457.2	1557.0	1679.7	1789.6	1938.7	2071.5	2220.2	2408.2	2563.6
37.5°	1377.6	1489.2	1621.8	1760.8	1952.2	2135.0	2381.4	2641.1	2876.7	3238.4	3542.7
35°	1492.1	1648.1	1822.7	2068.7	2339.5	2682.1	3066.5	3568.1	3998.2	4608.3	5191.3
32.5°	1639.5	1840.1	2125.2	2504.9	2905.3	3527.4	4137.3	5008.2	5814.5	6781.5	7825.1
30°	1803.6	2108.9	2544.4	3065.2	3812.2	4727.3	5802.5	7140.0	8603.8	9962.9	11302.2
27.5°	2041.4	2478.9	3051.0	3891.5	5055.5	6335.8	8219.7	10035.3	11929.6	13613.5	15017.8
25°	2319.1	2897.2	3781.9	5019.5	6593.6	8786.1	11041.2	13282.0	15319.2	17082.0	18633.7
22.5°	2677.6	3509.0	4688.5	6291.5	8742.8	11370.6	14015.0	16486.6	18659.7	20622.7	22302.4
20°	3067.5	4108.0	5792.4	8182.7	10985.9	13979.7	16965.6	19598.4	21991.1	24216.9	26110.0
17.5°	3561.8	5018.9	7152.0	10019.3	13260.3	16540.5	19677.3	22534.4	25249.0	27604.3	29582.3
15°	3983.0	5821.1	8605.1	11967.9	15473.5	18933.7	22245.2	25348.8	28171.0	30587.6	32447.1
12.5°	4544.8	6720.2	9895.2	13643.0	17441.9	21082.7	24570.9	27778.6	30650.8	33040.8	34488.3
10°	5075.9	7651.0	11142.1	15050.6	18997.3	22876.5	26600.9	29890.7	32557.4	34458.6	35692.2
7.5°	5527.5	8450.9	12156.4	16188.4	20233.2	24288.9	28058.9	31259.8	33718.6	35306.3	36165.0
5°	5864.7	9049.0	12909.3	17112.9	21263.4	25390.3	29130.9	32135.8	34260.9	35440.4	35871.6
2.5°	6079.5	9400.1	13346.2	17719.4	21952.9	26087.3	29866.3	32824.0	34627.0	35408.8	35483.1
0°	6165.4	9445.6	13413.6	18037.6	22126.7	26285.8	30075.5	33107.2	34763.2	35406.5	35393.8
-2.5°	6079.5	9400.1	13346.2	17719.4	21952.9	26087.3	29866.3	32824.0	34627.0	35408.8	35483.1
-5°	5864.7	9049.0	12909.3	17112.9	21263.4	25390.3	29130.9	32135.8	34260.9	35440.4	35871.6
-7.5°	5527.5	8450.9	12156.4	16188.4	20233.2	24288.9	28058.9	31259.8	33718.6	35306.3	36165.0
-10°	5075.9	7651.0	11142.1	15050.6	18997.3	22876.5	26600.9	29890.7	32557.4	34458.6	35692.2
-12.5°	4544.8	6720.2	9895.2	13643.0	17441.9	21082.7	24570.9	27778.6	30650.8	33040.8	34488.3
-15°	3983.0	5821.1	8605.1	11967.9	15473.5	18933.7	22245.2	25348.8	28171.0	30587.6	32447.1
-17.5°	3561.8	5018.9	7152.0	10019.3	13260.3	16540.5	19677.3	22534.4	25249.0	27604.3	29582.3
-20°	3067.5	4108.0	5792.4	8182.7	10985.9	13979.7	16965.6	19598.4	21991.1	24216.9	26110.0



REPORT NUMBER: P627637 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-735-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2677.6	3509.0	4688.5	6291.5	8742.8	11370.6	14015.0	16486.6	18659.7	20622.7	22302.4
-25°	2319.1	2897.2	3781.9	5019.5	6593.6	8786.1	11041.2	13282.0	15319.2	17082.0	18633.7
-27.5°	2041.4	2478.9	3051.0	3891.5	5055.5	6335.8	8219.7	10035.3	11929.6	13613.5	15017.8
-30°	1803.6	2108.9	2544.4	3065.2	3812.2	4727.3	5802.5	7140.0	8603.8	9962.9	11302.2
-32.5°	1639.5	1840.1	2125.2	2504.9	2905.3	3527.4	4137.3	5008.2	5814.5	6781.5	7825.1
-35°	1492.1	1648.1	1822.7	2068.7	2339.5	2682.1	3066.5	3568.1	3998.2	4608.3	5191.3
-37.5°	1377.6	1489.2	1621.8	1760.8	1952.2	2135.0	2381.4	2641.1	2876.7	3238.4	3542.7
-40°	1289.5	1361.9	1457.2	1557.0	1679.7	1789.6	1938.7	2071.5	2220.2	2408.2	2563.6
-42.5°	1216.3	1273.0	1327.1	1401.4	1479.1	1559.0	1645.4	1719.0	1816.0	1914.6	1994.3
-45°	1154.6	1200.1	1244.1	1290.5	1329.5	1388.1	1442.4	1489.1	1551.0	1607.3	1652.0
-47.5°	1102.2	1137.7	1176.3	1212.8	1241.1	1272.1	1301.0	1330.4	1369.0	1401.5	1425.6
-50°	1052.2	1083.0	1115.0	1144.6	1168.4	1189.4	1206.8	1226.6	1247.4	1264.6	1275.4
-52.5°	1004.7	1034.1	1059.7	1081.8	1104.2	1122.6	1136.9	1150.9	1163.1	1172.9	1177.2
-55°	961.0	987.1	1013.3	1032.4	1049.4	1064.9	1078.0	1088.3	1096.8	1103.5	1105.1
-57.5°	912.2	937.5	960.9	978.6	995.9	1012.5	1024.4	1032.3	1038.7	1043.5	1045.4
-60°	853.9	882.3	900.5	915.2	931.8	949.7	959.8	968.2	975.5	981.9	987.4
-62.5°	782.5	806.5	823.8	838.3	851.7	863.2	876.9	888.1	896.8	904.8	913.8
-65°	700.1	723.9	739.5	751.7	760.9	771.4	788.1	801.4	811.5	819.6	826.9
-67.5°	616.8	639.4	654.9	667.7	677.7	688.1	703.0	716.5	728.4	736.5	741.7
-70°	531.6	553.4	570.4	584.4	595.3	605.8	617.7	629.0	639.6	645.6	647.9
-72.5°	446.7	465.1	481.6	496.5	509.3	519.9	529.1	537.1	543.8	548.1	550.6
-75°	365.3	380.2	394.2	407.3	419.3	429.6	438.3	445.6	451.6	454.6	456.2
-77.5°	287.9	299.1	309.0	318.6	327.6	336.5	344.6	351.9	358.2	359.7	359.3
-80°	215.0	222.6	229.1	235.1	240.4	246.5	252.2	257.2	261.6	264.0	265.5
-82.5°	145.9	150.6	154.6	158.2	161.4	166.0	170.2	173.8	176.8	179.1	181.1
-85°	82.9	84.8	86.3	87.7	88.8	92.8	96.6	100.2	103.5	103.4	103.0
-87.5°	31.3	30.9	30.3	29.6	28.8	30.8	32.9	34.9	36.9	35.7	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: P627637 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-735-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°	33.1	31.7	31.8	31.8	31.8	31.7	33.1	34.5	35.7	36.9	34.9
85°	102.3	101.4	98.6	95.5	98.6	101.4	102.3	103.0	103.4	103.5	100.2
82.5°	182.6	183.7	181.3	178.3	181.3	183.7	182.6	181.1	179.1	176.8	173.8
80°	266.3	266.3	264.0	261.1	264.0	266.3	266.3	265.5	264.0	261.6	257.2
77.5°	357.8	355.2	356.3	356.7	356.3	355.2	357.8	359.3	359.7	358.2	351.9
75°	456.8	456.4	454.9	452.2	454.9	456.4	456.8	456.2	454.6	451.6	445.6
72.5°	551.9	551.8	550.4	547.8	550.4	551.8	551.9	550.6	548.1	543.8	537.1
70°	648.4	647.3	648.9	649.7	648.9	647.3	648.4	647.9	645.6	639.6	629.0
67.5°	745.6	748.2	747.8	745.2	747.8	748.2	745.6	741.7	736.5	728.4	716.5
65°	832.7	837.1	839.8	840.7	839.8	837.1	832.7	826.9	819.6	811.5	801.4
62.5°	920.8	925.9	926.1	923.5	926.1	925.9	920.8	913.8	904.8	896.8	888.1
60°	990.5	991.3	990.1	987.2	990.1	991.3	990.5	987.4	981.9	975.5	968.2
57.5°	1045.3	1043.5	1041.3	1038.2	1041.3	1043.5	1045.3	1045.4	1043.5	1038.7	1032.3
55°	1104.2	1101.2	1098.5	1095.5	1098.5	1101.2	1104.2	1105.1	1103.5	1096.8	1088.3
52.5°	1178.1	1176.5	1174.7	1171.9	1174.7	1176.5	1178.1	1177.2	1172.9	1163.1	1150.9
50°	1281.0	1282.5	1282.4	1280.2	1282.4	1282.5	1281.0	1275.4	1264.6	1247.4	1226.6
47.5°	1440.8	1449.4	1455.1	1458.6	1455.1	1449.4	1440.8	1425.6	1401.5	1369.0	1330.4
45°	1680.6	1697.6	1709.6	1719.7	1709.6	1697.6	1680.6	1652.0	1607.3	1551.0	1489.1
42.5°	2050.3	2088.5	2106.5	2101.8	2106.5	2088.5	2050.3	1994.3	1914.6	1816.0	1719.0
40°	2667.1	2728.6	2762.6	2789.7	2762.6	2728.6	2667.1	2563.6	2408.2	2220.2	2071.5
37.5°	3750.4	3869.7	3932.5	3987.1	3932.5	3869.7	3750.4	3542.7	3238.4	2876.7	2641.1
35°	5626.9	5895.3	6039.0	6089.0	6039.0	5895.3	5626.9	5191.3	4608.3	3998.2	3568.1
32.5°	8637.2	9132.2	9406.0	9617.5	9406.0	9132.2	8637.2	7825.1	6781.5	5814.5	5008.2
30°	12362.7	13014.8	13376.9	13553.7	13376.9	13014.8	12362.7	11302.2	9962.9	8603.8	7140.0
27.5°	16181.8	16923.1	17313.5	17292.4	17313.5	16923.1	16181.8	15017.8	13613.5	11929.6	10035.3
25°	19964.0	20822.6	21211.6	21559.8	21211.6	20822.6	19964.0	18633.7	17082.0	15319.2	13282.0
22.5°	23789.2	24793.2	25341.0	25597.9	25341.0	24793.2	23789.2	22302.4	20622.7	18659.7	16486.6
20°	27568.9	28686.6	29268.1	29521.4	29268.1	28686.6	27568.9	26110.0	24216.9	21991.1	19598.4
17.5°	30921.2	32012.2	32566.5	32801.5	32566.5	32012.2	30921.2	29582.3	27604.3	25249.0	22534.4
15°	33597.9	34402.6	34874.0	34998.9	34874.0	34402.6	33597.9	32447.1	30587.6	28171.0	25348.8
12.5°	35448.1	35759.9	35986.6	36056.2	35986.6	35759.9	35448.1	34488.3	33040.8	30650.8	27778.6
10°	36394.1	36253.4	36195.3	36202.7	36195.3	36253.4	36394.1	35692.2	34458.6	32557.4	29890.7
7.5°	36329.0	36120.8	35702.4	35635.8	35702.4	36120.8	36329.0	36165.0	35306.3	33718.6	31259.8
5°	35807.1	35427.8	34733.5	34533.9	34733.5	35427.8	35807.1	35871.6	35440.4	34260.9	32135.8
2.5°	35198.7	34515.2	33875.5	33463.9	33875.5	34515.2	35198.7	35483.1	35408.8	34627.0	32824.0
0°	35018.0	34228.2	33400.2	33132.7	33400.2	34228.2	35018.0	35393.8	35406.5	34763.2	33107.2
-2.5°	35198.7	34515.2	33875.5	33463.9	33875.5	34515.2	35198.7	35483.1	35408.8	34627.0	32824.0
-5°	35807.1	35427.8	34733.5	34533.9	34733.5	35427.8	35807.1	35871.6	35440.4	34260.9	32135.8
-7.5°	36329.0	36120.8	35702.4	35635.8	35702.4	36120.8	36329.0	36165.0	35306.3	33718.6	31259.8
-10°	36394.1	36253.4	36195.3	36202.7	36195.3	36253.4	36394.1	35692.2	34458.6	32557.4	29890.7
-12.5°	35448.1	35759.9	35986.6	36056.2	35986.6	35759.9	35448.1	34488.3	33040.8	30650.8	27778.6
-15°	33597.9	34402.6	34874.0	34998.9	34874.0	34402.6	33597.9	32447.1	30587.6	28171.0	25348.8
-17.5°	30921.2	32012.2	32566.5	32801.5	32566.5	32012.2	30921.2	29582.3	27604.3	25249.0	22534.4
-20°	27568.9	28686.6	29268.1	29521.4	29268.1	28686.6	27568.9	26110.0	24216.9	21991.1	19598.4



REPORT NUMBER: P627637 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-735-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°	23789.2	24793.2	25341.0	25597.9	25341.0	24793.2	23789.2	22302.4	20622.7	18659.7	16486.6
-25°	19964.0	20822.6	21211.6	21559.8	21211.6	20822.6	19964.0	18633.7	17082.0	15319.2	13282.0
-27.5°	16181.8	16923.1	17313.5	17292.4	17313.5	16923.1	16181.8	15017.8	13613.5	11929.6	10035.3
-30°	12362.7	13014.8	13376.9	13553.7	13376.9	13014.8	12362.7	11302.2	9962.9	8603.8	7140.0
-32.5°	8637.2	9132.2	9406.0	9617.5	9406.0	9132.2	8637.2	7825.1	6781.5	5814.5	5008.2
-35°	5626.9	5895.3	6039.0	6089.0	6039.0	5895.3	5626.9	5191.3	4608.3	3998.2	3568.1
-37.5°	3750.4	3869.7	3932.5	3987.1	3932.5	3869.7	3750.4	3542.7	3238.4	2876.7	2641.1
-40°	2667.1	2728.6	2762.6	2789.7	2762.6	2728.6	2667.1	2563.6	2408.2	2220.2	2071.5
-42.5°	2050.3	2088.5	2106.5	2101.8	2106.5	2088.5	2050.3	1994.3	1914.6	1816.0	1719.0
-45°	1680.6	1697.6	1709.6	1719.7	1709.6	1697.6	1680.6	1652.0	1607.3	1551.0	1489.1
-47.5°	1440.8	1449.4	1455.1	1458.6	1455.1	1449.4	1440.8	1425.6	1401.5	1369.0	1330.4
-50°	1281.0	1282.5	1282.4	1280.2	1282.4	1282.5	1281.0	1275.4	1264.6	1247.4	1226.6
-52.5°	1178.1	1176.5	1174.7	1171.9	1174.7	1176.5	1178.1	1177.2	1172.9	1163.1	1150.9
-55°	1104.2	1101.2	1098.5	1095.5	1098.5	1101.2	1104.2	1105.1	1103.5	1096.8	1088.3
-57.5°	1045.3	1043.5	1041.3	1038.2	1041.3	1043.5	1045.3	1045.4	1043.5	1038.7	1032.3
-60°	990.5	991.3	990.1	987.2	990.1	991.3	990.5	987.4	981.9	975.5	968.2
-62.5°	920.8	925.9	926.1	923.5	926.1	925.9	920.8	913.8	904.8	896.8	888.1
-65°	832.7	837.1	839.8	840.7	839.8	837.1	832.7	826.9	819.6	811.5	801.4
-67.5°	745.6	748.2	747.8	745.2	747.8	748.2	745.6	741.7	736.5	728.4	716.5
-70°	648.4	647.3	648.9	649.7	648.9	647.3	648.4	647.9	645.6	639.6	629.0
-72.5°	551.9	551.8	550.4	547.8	550.4	551.8	551.9	550.6	548.1	543.8	537.1
-75°	456.8	456.4	454.9	452.2	454.9	456.4	456.8	456.2	454.6	451.6	445.6
-77.5°	357.8	355.2	356.3	356.7	356.3	355.2	357.8	359.3	359.7	358.2	351.9
-80°	266.3	266.3	264.0	261.1	264.0	266.3	266.3	265.5	264.0	261.6	257.2
-82.5°	182.6	183.7	181.3	178.3	181.3	183.7	182.6	181.1	179.1	176.8	173.8
-85°	102.3	101.4	98.6	95.5	98.6	101.4	102.3	103.0	103.4	103.5	100.2
-87.5°	33.1	31.7	31.8	31.8	31.8	31.7	33.1	34.5	35.7	36.9	34.9
-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: P627637 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-735-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°	32.9	30.8	28.8	29.6	30.3	30.9	31.3	30.3	29.3	28.2	27.0
85°	96.6	92.8	88.8	87.7	86.3	84.8	82.9	79.3	75.4	71.4	67.2
82.5°	170.2	166.0	161.4	158.2	154.6	150.6	145.9	138.9	131.8	124.6	117.3
80°	252.2	246.5	240.4	235.1	229.1	222.6	215.0	204.1	192.8	181.5	171.0
77.5°	344.6	336.5	327.6	318.6	309.0	299.1	287.9	274.2	260.4	245.9	231.2
75°	438.3	429.6	419.3	407.3	394.2	380.2	365.3	348.7	331.3	313.1	294.7
72.5°	529.1	519.9	509.3	496.5	481.6	465.1	446.7	426.4	405.1	382.7	360.9
70°	617.7	605.8	595.3	584.4	570.4	553.4	531.6	507.2	481.6	455.7	430.4
67.5°	703.0	688.1	677.7	667.7	654.9	639.4	616.8	590.5	561.7	531.6	501.6
65°	788.1	771.4	760.9	751.7	739.5	723.9	700.1	673.4	643.2	609.5	574.7
62.5°	876.9	863.2	851.7	838.3	823.8	806.5	782.5	754.5	723.9	688.6	648.3
60°	959.8	949.7	931.8	915.2	900.5	882.3	853.9	827.0	802.0	761.5	718.0
57.5°	1024.4	1012.5	995.9	978.6	960.9	937.5	912.2	886.7	857.8	823.6	783.1
55°	1078.0	1064.9	1049.4	1032.4	1013.3	987.1	961.0	933.8	905.8	877.4	837.9
52.5°	1136.9	1122.6	1104.2	1081.8	1059.7	1034.1	1004.7	975.8	949.7	920.6	888.3
50°	1206.8	1189.4	1168.4	1144.6	1115.0	1083.0	1052.2	1018.6	991.1	962.8	929.8
47.5°	1301.0	1272.1	1241.1	1212.8	1176.3	1137.7	1102.2	1067.5	1035.2	1004.6	970.9
45°	1442.4	1388.1	1329.5	1290.5	1244.1	1200.1	1154.6	1115.5	1078.3	1043.8	1012.4
42.5°	1645.4	1559.0	1479.1	1401.4	1327.1	1273.0	1216.3	1167.8	1122.9	1082.0	1045.0
40°	1938.7	1789.6	1679.7	1557.0	1457.2	1361.9	1289.5	1223.5	1171.6	1122.9	1078.0
37.5°	2381.4	2135.0	1952.2	1760.8	1621.8	1489.2	1377.6	1291.7	1221.1	1164.7	1112.5
35°	3066.5	2682.1	2339.5	2068.7	1822.7	1648.1	1492.1	1371.7	1281.3	1207.6	1146.7
32.5°	4137.3	3527.4	2905.3	2504.9	2125.2	1840.1	1639.5	1473.7	1345.7	1258.1	1184.9
30°	5802.5	4727.3	3812.2	3065.2	2544.4	2108.9	1803.6	1600.9	1437.2	1309.2	1223.5
27.5°	8219.7	6335.8	5055.5	3891.5	3051.0	2478.9	2041.4	1736.9	1533.4	1380.7	1267.9
25°	11041.2	8786.1	6593.6	5019.5	3781.9	2897.2	2319.1	1927.5	1652.4	1455.3	1306.8
22.5°	14015.0	11370.6	8742.8	6291.5	4688.5	3509.0	2677.6	2119.7	1764.9	1534.7	1363.6
20°	16965.6	13979.7	10985.9	8182.7	5792.4	4108.0	3067.5	2374.8	1921.8	1623.7	1417.4
17.5°	19677.3	16540.5	13260.3	10019.3	7152.0	5018.9	3561.8	2632.6	2058.8	1702.8	1463.9
15°	22245.2	18933.7	15473.5	11967.9	8605.1	5821.1	3983.0	2857.3	2201.2	1794.7	1524.8
12.5°	24570.9	21082.7	17441.9	13643.0	9895.2	6720.2	4544.8	3188.4	2376.1	1890.0	1582.3
10°	26600.9	22876.5	18997.3	15050.6	11142.1	7651.0	5075.9	3470.8	2527.7	1969.1	1629.3
7.5°	28058.9	24288.9	20233.2	16188.4	12156.4	8450.9	5527.5	3694.4	2646.7	2029.6	1665.4
5°	29130.9	25390.3	21263.4	17112.9	12909.3	9049.0	5864.7	3851.7	2731.8	2071.5	1690.5
2.5°	29866.3	26087.3	21952.9	17719.4	13346.2	9400.1	6079.5	3936.2	2772.0	2104.4	1704.5
0°	30075.5	26285.8	22126.7	18037.6	13413.6	9445.6	6165.4	3948.9	2770.6	2121.0	1707.0
-2.5°	29866.3	26087.3	21952.9	17719.4	13346.2	9400.1	6079.5	3936.2	2772.0	2104.4	1704.5
-5°	29130.9	25390.3	21263.4	17112.9	12909.3	9049.0	5864.7	3851.7	2731.8	2071.5	1690.5
-7.5°	28058.9	24288.9	20233.2	16188.4	12156.4	8450.9	5527.5	3694.4	2646.7	2029.6	1665.4
-10°	26600.9	22876.5	18997.3	15050.6	11142.1	7651.0	5075.9	3470.8	2527.7	1969.1	1629.3
-12.5°	24570.9	21082.7	17441.9	13643.0	9895.2	6720.2	4544.8	3188.4	2376.1	1890.0	1582.3
-15°	22245.2	18933.7	15473.5	11967.9	8605.1	5821.1	3983.0	2857.3	2201.2	1794.7	1524.8
-17.5°	19677.3	16540.5	13260.3	10019.3	7152.0	5018.9	3561.8	2632.6	2058.8	1702.8	1463.9
-20°	16965.6	13979.7	10985.9	8182.7	5792.4	4108.0	3067.5	2374.8	1921.8	1623.7	1417.4



REPORT NUMBER: P627637 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-735-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14015.0	11370.6	8742.8	6291.5	4688.5	3509.0	2677.6	2119.7	1764.9	1534.7	1363.6
-25°	11041.2	8786.1	6593.6	5019.5	3781.9	2897.2	2319.1	1927.5	1652.4	1455.3	1306.8
-27.5°	8219.7	6335.8	5055.5	3891.5	3051.0	2478.9	2041.4	1736.9	1533.4	1380.7	1267.9
-30°	5802.5	4727.3	3812.2	3065.2	2544.4	2108.9	1803.6	1600.9	1437.2	1309.2	1223.5
-32.5°	4137.3	3527.4	2905.3	2504.9	2125.2	1840.1	1639.5	1473.7	1345.7	1258.1	1184.9
-35°	3066.5	2682.1	2339.5	2068.7	1822.7	1648.1	1492.1	1371.7	1281.3	1207.6	1146.7
-37.5°	2381.4	2135.0	1952.2	1760.8	1621.8	1489.2	1377.6	1291.7	1221.1	1164.7	1112.5
-40°	1938.7	1789.6	1679.7	1557.0	1457.2	1361.9	1289.5	1223.5	1171.6	1122.9	1078.0
-42.5°	1645.4	1559.0	1479.1	1401.4	1327.1	1273.0	1216.3	1167.8	1122.9	1082.0	1045.0
-45°	1442.4	1388.1	1329.5	1290.5	1244.1	1200.1	1154.6	1115.5	1078.3	1043.8	1012.4
-47.5°	1301.0	1272.1	1241.1	1212.8	1176.3	1137.7	1102.2	1067.5	1035.2	1004.6	970.9
-50°	1206.8	1189.4	1168.4	1144.6	1115.0	1083.0	1052.2	1018.6	991.1	962.8	929.8
-52.5°	1136.9	1122.6	1104.2	1081.8	1059.7	1034.1	1004.7	975.8	949.7	920.6	888.3
-55°	1078.0	1064.9	1049.4	1032.4	1013.3	987.1	961.0	933.8	905.8	877.4	837.9
-57.5°	1024.4	1012.5	995.9	978.6	960.9	937.5	912.2	886.7	857.8	823.6	783.1
-60°	959.8	949.7	931.8	915.2	900.5	882.3	853.9	827.0	802.0	761.5	718.0
-62.5°	876.9	863.2	851.7	838.3	823.8	806.5	782.5	754.5	723.9	688.6	648.3
-65°	788.1	771.4	760.9	751.7	739.5	723.9	700.1	673.4	643.2	609.5	574.7
-67.5°	703.0	688.1	677.7	667.7	654.9	639.4	616.8	590.5	561.7	531.6	501.6
-70°	617.7	605.8	595.3	584.4	570.4	553.4	531.6	507.2	481.6	455.7	430.4
-72.5°	529.1	519.9	509.3	496.5	481.6	465.1	446.7	426.4	405.1	382.7	360.9
-75°	438.3	429.6	419.3	407.3	394.2	380.2	365.3	348.7	331.3	313.1	294.7
-77.5°	344.6	336.5	327.6	318.6	309.0	299.1	287.9	274.2	260.4	245.9	231.2
-80°	252.2	246.5	240.4	235.1	229.1	222.6	215.0	204.1	192.8	181.5	171.0
-82.5°	170.2	166.0	161.4	158.2	154.6	150.6	145.9	138.9	131.8	124.6	117.3
-85°	96.6	92.8	88.8	87.7	86.3	84.8	82.9	79.3	75.4	71.4	67.2
-87.5°	32.9	30.8	28.8	29.6	30.3	30.9	31.3	30.3	29.3	28.2	27.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627637 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-735-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°	25.8	24.5	23.3	21.9	20.5	19.1	17.6	16.1	14.0	12.0	10.0
85°	62.8	58.2	53.4	48.4	43.2	38.2	35.2	32.2	27.9	23.9	20.0
82.5°	110.1	103.1	95.9	88.4	79.8	71.4	63.1	55.0	46.0	36.5	30.0
80°	161.4	151.3	140.9	130.0	117.5	104.3	92.8	81.7	70.7	59.1	46.8
77.5°	217.1	202.4	187.2	173.4	158.9	143.5	127.1	110.1	95.4	81.6	67.0
75°	276.6	258.8	240.5	221.7	202.3	182.6	163.9	144.3	124.6	104.5	87.1
72.5°	339.7	317.6	294.8	271.5	248.9	225.6	201.9	178.1	155.2	131.8	108.1
70°	404.4	377.6	351.0	324.6	297.0	268.4	241.3	213.4	185.4	158.8	131.8
67.5°	470.6	440.3	409.0	378.0	347.3	315.1	281.1	248.4	216.6	185.4	155.2
65°	540.2	504.3	467.6	432.3	397.3	362.1	324.9	284.2	247.1	212.2	178.1
62.5°	608.6	569.5	528.2	486.2	446.3	407.3	367.8	322.5	277.8	238.4	200.7
60°	674.9	631.1	586.7	540.3	494.8	451.1	407.3	359.9	311.2	263.9	222.8
57.5°	735.8	689.7	640.1	591.3	542.3	493.9	445.4	395.2	343.5	291.6	244.2
55°	792.8	742.7	690.9	638.1	586.8	535.3	482.6	429.0	374.7	319.2	265.2
52.5°	846.5	794.1	739.1	683.0	627.4	574.3	518.7	461.8	404.2	345.8	288.3
50°	893.3	844.1	785.9	726.7	666.4	610.3	553.8	493.7	432.9	371.4	310.8
47.5°	932.6	887.4	831.2	768.9	705.5	645.5	586.6	524.4	460.5	395.9	332.4
45°	971.1	927.5	873.2	809.5	744.1	680.7	618.2	554.0	487.0	419.6	353.1
42.5°	1007.2	963.6	912.9	848.5	781.0	714.5	648.9	581.9	512.4	442.1	372.7
40°	1037.9	995.2	950.3	886.1	815.8	746.4	678.0	608.8	536.7	463.6	391.3
37.5°	1067.8	1024.1	977.8	921.4	848.4	776.4	705.4	634.6	560.2	484.3	408.8
35°	1096.8	1051.6	1002.4	948.9	878.8	804.3	731.0	658.7	582.1	504.1	425.1
32.5°	1122.7	1076.2	1025.1	971.1	906.8	830.2	754.6	679.9	602.5	522.8	440.3
30°	1153.5	1096.9	1045.6	992.9	930.7	853.8	776.5	699.7	621.4	540.5	454.6
27.5°	1183.0	1116.8	1063.9	1011.1	949.5	875.3	796.8	717.9	638.5	556.6	468.8
25°	1211.5	1139.5	1080.9	1026.3	967.5	895.8	815.4	734.7	653.7	570.6	481.8
22.5°	1244.3	1160.4	1096.8	1039.4	984.7	914.3	832.2	749.8	667.2	583.1	493.8
20°	1273.5	1177.5	1111.5	1051.9	997.6	928.3	847.3	763.3	679.2	594.3	504.5
17.5°	1301.9	1197.0	1125.8	1063.9	1007.3	940.6	860.5	775.2	689.7	603.9	514.1
15°	1341.5	1219.3	1138.3	1074.0	1015.4	951.1	871.8	785.3	698.8	612.0	522.7
12.5°	1375.3	1238.0	1148.6	1082.4	1022.1	959.7	881.1	793.7	706.2	619.3	530.3
10°	1402.8	1252.9	1156.6	1088.9	1027.2	966.5	888.5	800.8	713.3	625.6	536.6
7.5°	1423.7	1264.0	1162.3	1093.5	1030.7	971.5	895.3	807.2	718.9	630.5	541.5
5°	1437.9	1271.3	1167.1	1096.1	1032.7	974.5	900.4	811.7	722.9	634.1	545.0
2.5°	1445.3	1274.6	1170.7	1096.8	1033.0	975.4	903.4	814.4	725.3	636.2	547.1
0°	1445.8	1273.8	1171.9	1095.5	1031.8	974.5	904.4	815.3	726.1	636.9	547.8
-2.5°	1445.3	1274.6	1170.7	1096.8	1033.0	975.4	903.4	814.4	725.3	636.2	547.1
-5°	1437.9	1271.3	1167.1	1096.1	1032.7	974.5	900.4	811.7	722.9	634.1	545.0
-7.5°	1423.7	1264.0	1162.3	1093.5	1030.7	971.5	895.3	807.2	718.9	630.5	541.5
-10°	1402.8	1252.9	1156.6	1088.9	1027.2	966.5	888.5	800.8	713.3	625.6	536.6
-12.5°	1375.3	1238.0	1148.6	1082.4	1022.1	959.7	881.1	793.7	706.2	619.3	530.3
-15°	1341.5	1219.3	1138.3	1074.0	1015.4	951.1	871.8	785.3	698.8	612.0	522.7
-17.5°	1301.9	1197.0	1125.8	1063.9	1007.3	940.6	860.5	775.2	689.7	603.9	514.1
-20°	1273.5	1177.5	1111.5	1051.9	997.6	928.3	847.3	763.3	679.2	594.3	504.5

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report



REPORT NUMBER: P627637 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-735-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°	1244.3	1160.4	1096.8	1039.4	984.7	914.3	832.2	749.8	667.2	583.1	493.8
-25°	1211.5	1139.5	1080.9	1026.3	967.5	895.8	815.4	734.7	653.7	570.6	481.8
-27.5°	1183.0	1116.8	1063.9	1011.1	949.5	875.3	796.8	717.9	638.5	556.6	468.8
-30°	1153.5	1096.9	1045.6	992.9	930.7	853.8	776.5	699.7	621.4	540.5	454.6
-32.5°	1122.7	1076.2	1025.1	971.1	906.8	830.2	754.6	679.9	602.5	522.8	440.3
-35°	1096.8	1051.6	1002.4	948.9	878.8	804.3	731.0	658.7	582.1	504.1	425.1
-37.5°	1067.8	1024.1	977.8	921.4	848.4	776.4	705.4	634.6	560.2	484.3	408.8
-40°	1037.9	995.2	950.3	886.1	815.8	746.4	678.0	608.8	536.7	463.6	391.3
-42.5°	1007.2	963.6	912.9	848.5	781.0	714.5	648.9	581.9	512.4	442.1	372.7
-45°	971.1	927.5	873.2	809.5	744.1	680.7	618.2	554.0	487.0	419.6	353.1
-47.5°	932.6	887.4	831.2	768.9	705.5	645.5	586.6	524.4	460.5	395.9	332.4
-50°	893.3	844.1	785.9	726.7	666.4	610.3	553.8	493.7	432.9	371.4	310.8
-52.5°	846.5	794.1	739.1	683.0	627.4	574.3	518.7	461.8	404.2	345.8	288.3
-55°	792.8	742.7	690.9	638.1	586.8	535.3	482.6	429.0	374.7	319.2	265.2
-57.5°	735.8	689.7	640.1	591.3	542.3	493.9	445.4	395.2	343.5	291.6	244.2
-60°	674.9	631.1	586.7	540.3	494.8	451.1	407.3	359.9	311.2	263.9	222.8
-62.5°	608.6	569.5	528.2	486.2	446.3	407.3	367.8	322.5	277.8	238.4	200.7
-65°	540.2	504.3	467.6	432.3	397.3	362.1	324.9	284.2	247.1	212.2	178.1
-67.5°	470.6	440.3	409.0	378.0	347.3	315.1	281.1	248.4	216.6	185.4	155.2
-70°	404.4	377.6	351.0	324.6	297.0	268.4	241.3	213.4	185.4	158.8	131.8
-72.5°	339.7	317.6	294.8	271.5	248.9	225.6	201.9	178.1	155.2	131.8	108.1
-75°	276.6	258.8	240.5	221.7	202.3	182.6	163.9	144.3	124.6	104.5	87.1
-77.5°	217.1	202.4	187.2	173.4	158.9	143.5	127.1	110.1	95.4	81.6	67.0
-80°	161.4	151.3	140.9	130.0	117.5	104.3	92.8	81.7	70.7	59.1	46.8
-82.5°	110.1	103.1	95.9	88.4	79.8	71.4	63.1	55.0	46.0	36.5	30.0
-85°	62.8	58.2	53.4	48.4	43.2	38.2	35.2	32.2	27.9	23.9	20.0
-87.5°	25.8	24.5	23.3	21.9	20.5	19.1	17.6	16.1	14.0	12.0	10.0
-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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REPORT NUMBER: P627637 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-735-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°	8.2	6.9	5.5	4.1	2.8	1.4	0.0
85°	16.4	13.7	11.0	8.3	5.5	2.8	0.0
82.5°	24.6	20.6	16.5	12.4	8.3	4.1	0.0
80°	33.9	27.4	22.0	16.5	11.0	5.5	0.0
77.5°	51.7	37.0	27.4	20.6	13.7	6.9	0.0
75°	69.4	51.7	33.9	24.6	16.4	8.2	0.0
72.5°	86.9	66.3	45.6	28.6	19.1	9.6	0.0
70°	104.5	80.7	57.2	33.4	21.7	10.9	0.0
67.5°	124.4	94.9	68.5	42.0	24.3	12.2	0.0
65°	143.8	109.9	79.7	50.4	26.9	13.4	0.0
62.5°	162.9	125.5	90.7	58.6	29.3	14.7	0.0
60°	181.4	140.8	101.4	66.6	31.8	15.9	0.0
57.5°	199.9	155.6	113.0	74.5	36.9	17.1	0.0
55°	218.1	169.9	124.4	82.1	41.9	18.2	0.0
52.5°	235.8	183.9	135.4	89.5	46.7	19.4	0.0
50°	253.1	198.4	145.9	96.7	51.3	20.4	0.0
47.5°	270.1	212.4	156.1	103.7	55.8	21.5	0.0
45°	287.7	226.0	165.7	111.0	60.0	22.5	0.0
42.5°	304.5	239.1	175.0	117.9	64.0	23.4	0.0
40°	320.4	251.6	184.3	124.3	67.8	24.4	0.0
37.5°	335.5	263.6	193.8	130.2	71.4	25.2	0.0
35°	349.5	275.2	202.8	135.8	74.8	26.0	0.0
32.5°	362.7	286.2	211.3	141.0	77.9	26.8	0.0
30°	374.8	296.4	219.3	145.9	80.7	27.5	0.0
27.5°	385.9	305.9	226.4	150.4	83.4	28.2	0.0
25°	396.0	314.4	232.8	154.4	85.7	28.8	0.0
22.5°	405.1	322.1	238.6	158.1	87.9	29.4	0.0
20°	413.1	328.6	243.8	161.3	89.7	29.9	0.0
17.5°	420.4	334.2	248.3	164.2	91.3	30.3	0.0
15°	426.9	339.1	252.2	166.6	92.7	30.7	0.0
12.5°	432.5	343.1	255.4	168.6	93.8	31.0	0.0
10°	437.2	346.2	257.9	170.1	94.6	31.3	0.0
7.5°	440.9	348.5	259.7	171.3	95.2	31.5	0.0
5°	443.6	350.0	260.9	172.0	95.6	31.7	0.0
2.5°	445.2	350.6	261.3	172.2	95.7	31.8	0.0
0°	445.8	350.3	261.1	172.0	95.5	31.8	0.0
-2.5°	445.2	350.6	261.3	172.2	95.7	31.8	0.0
-5°	443.6	350.0	260.9	172.0	95.6	31.7	0.0
-7.5°	440.9	348.5	259.7	171.3	95.2	31.5	0.0
-10°	437.2	346.2	257.9	170.1	94.6	31.3	0.0
-12.5°	432.5	343.1	255.4	168.6	93.8	31.0	0.0
-15°	426.9	339.1	252.2	166.6	92.7	30.7	0.0
-17.5°	420.4	334.2	248.3	164.2	91.3	30.3	0.0
-20°	413.1	328.6	243.8	161.3	89.7	29.9	0.0

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REPORT NUMBER: P627637 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-735-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	405.1	322.1	238.6	158.1	87.9	29.4	0.0
-25°	396.0	314.4	232.8	154.4	85.7	28.8	0.0
-27.5°	385.9	305.9	226.4	150.4	83.4	28.2	0.0
-30°	374.8	296.4	219.3	145.9	80.7	27.5	0.0
-32.5°	362.7	286.2	211.3	141.0	77.9	26.8	0.0
-35°	349.5	275.2	202.8	135.8	74.8	26.0	0.0
-37.5°	335.5	263.6	193.8	130.2	71.4	25.2	0.0
-40°	320.4	251.6	184.3	124.3	67.8	24.4	0.0
-42.5°	304.5	239.1	175.0	117.9	64.0	23.4	0.0
-45°	287.7	226.0	165.7	111.0	60.0	22.5	0.0
-47.5°	270.1	212.4	156.1	103.7	55.8	21.5	0.0
-50°	253.1	198.4	145.9	96.7	51.3	20.4	0.0
-52.5°	235.8	183.9	135.4	89.5	46.7	19.4	0.0
-55°	218.1	169.9	124.4	82.1	41.9	18.2	0.0
-57.5°	199.9	155.6	113.0	74.5	36.9	17.1	0.0
-60°	181.4	140.8	101.4	66.6	31.8	15.9	0.0
-62.5°	162.9	125.5	90.7	58.6	29.3	14.7	0.0
-65°	143.8	109.9	79.7	50.4	26.9	13.4	0.0
-67.5°	124.4	94.9	68.5	42.0	24.3	12.2	0.0
-70°	104.5	80.7	57.2	33.4	21.7	10.9	0.0
-72.5°	86.9	66.3	45.6	28.6	19.1	9.6	0.0
-75°	69.4	51.7	33.9	24.6	16.4	8.2	0.0
-77.5°	51.7	37.0	27.4	20.6	13.7	6.9	0.0
-80°	33.9	27.4	22.0	16.5	11.0	5.5	0.0
-82.5°	24.6	20.6	16.5	12.4	8.3	4.1	0.0
-85°	16.4	13.7	11.0	8.3	5.5	2.8	0.0
-87.5°	8.2	6.9	5.5	4.1	2.8	1.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)