

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: P627291 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3E-740-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627291 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3E-740-U-VWR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N80
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

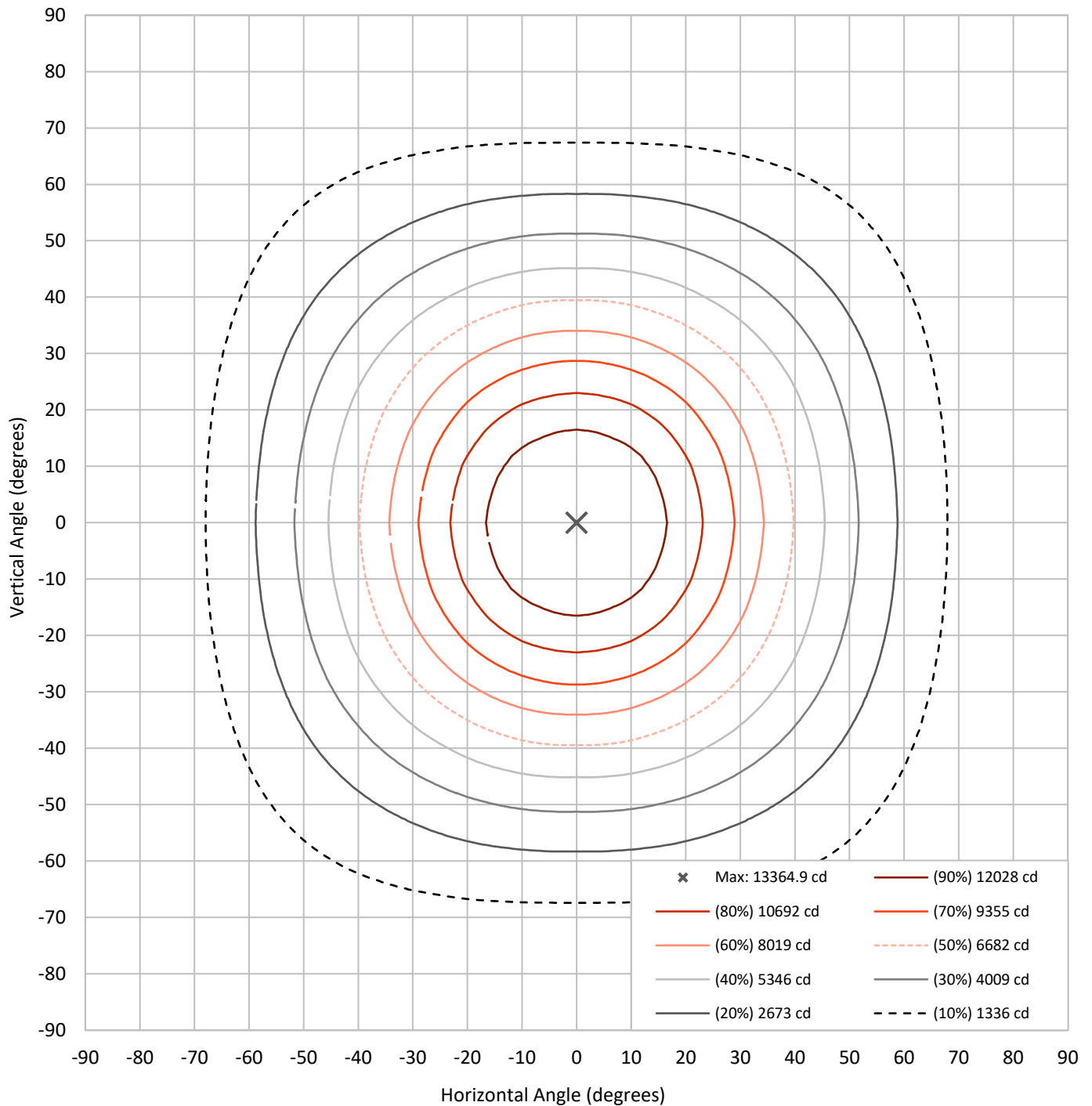
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	24155.8 lumens	Max Intensity:	13364.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	130.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	14167.5 lumens	Field Lumens:	23028.4 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	185.2		
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





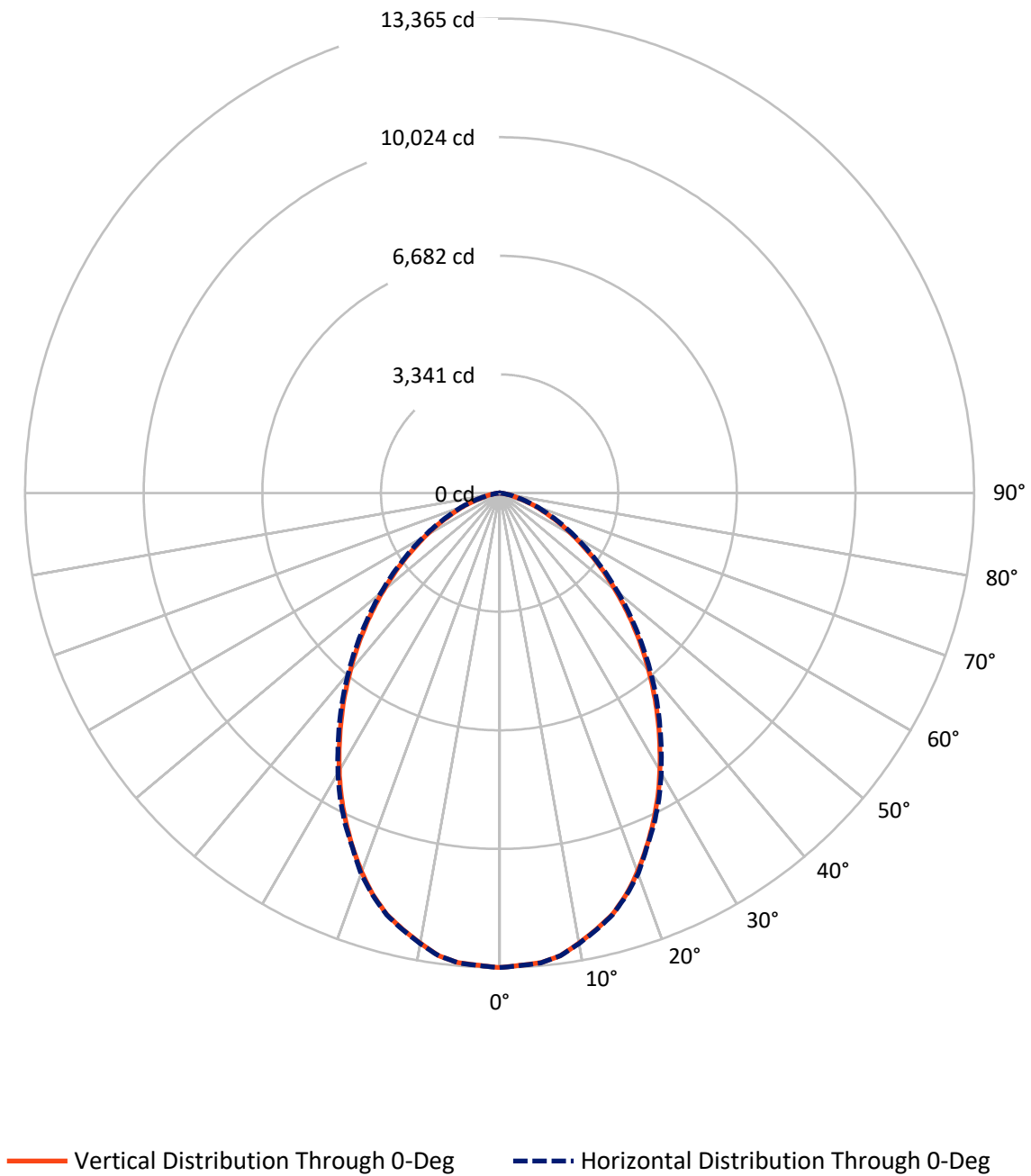
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Lumen Table

90																			
80	0.8	9.9	26.9	45.7	43.1	45.7	26.9	9.9	0.8										
70																			
60	4.5	6.2	12.5	21.3	31.2	40.3	47.1	50.4	50.4	47.1	40.3	31.2	21.3	12.5	6.2	4.5			
50		9.3	20.3	36.2	54.9	74.6	90.8	99.2	99.2	90.8	74.6	54.9	36.2	20.3	9.3				
40	7.9	12.5	29.4	54.2	85.9	119.1	146.9	162.1	162.1	146.9	119.1	85.9	54.2	29.4	12.5	7.9			
30		15.8	38.9	74.7	120.3	168.6	209.9	233.4	233.4	209.9	168.6	120.3	74.7	38.9	15.8				
20	10.1	18.9	47.9	93.9	153.1	217.4	273.4	305.6	305.6	273.4	217.4	153.1	93.9	47.9	18.9	10.1			
10		21.3	54.8	108.2	178.8	256.9	325.8	365.0	365.0	325.8	256.9	178.8	108.2	54.8	21.3				
0	11.0	22.6	58.6	116.4	193.0	278.8	354.2	395.4	395.4	354.2	278.8	193.0	116.4	58.6	22.6	11.0			
-10		22.6	58.6	116.4	193.0	278.8	354.2	395.4	395.4	354.2	278.8	193.0	116.4	58.6	22.6				
-20	10.1	21.3	54.8	108.2	178.8	256.9	325.8	365.0	365.0	325.8	256.9	178.8	108.2	54.8	21.3	10.1			
-30		18.9	47.9	93.9	153.1	217.4	273.4	305.6	305.6	273.4	217.4	153.1	93.9	47.9	18.9				
-40	7.9	15.8	38.9	74.7	120.3	168.6	209.9	233.4	233.4	209.9	168.6	120.3	74.7	38.9	15.8	7.9			
-50		12.5	29.4	54.2	85.9	119.1	146.9	162.1	162.1	146.9	119.1	85.9	54.2	29.4	12.5				
-60	4.5	9.3	20.3	36.2	54.9	74.6	90.8	99.2	99.2	90.8	74.6	54.9	36.2	20.3	9.3	4.5			
-70		6.2	12.5	21.3	31.2	40.3	47.1	50.4	50.4	47.1	40.3	31.2	21.3	12.5	6.2				
-80	0.8	9.9	26.9	45.7	43.1	45.7	26.9	9.9	0.8										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

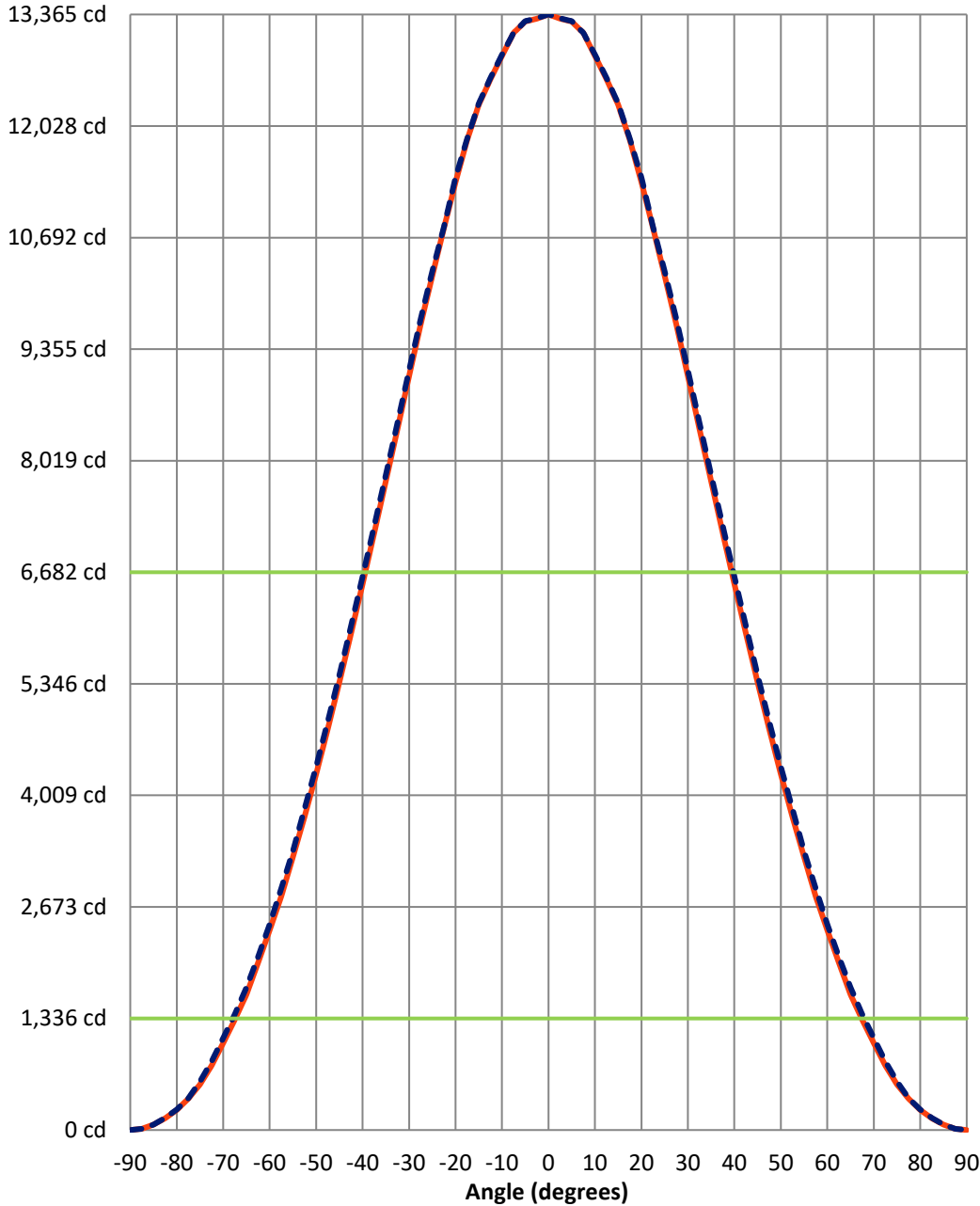
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 14167.5
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 23028.4
 Efficiency: 95.3%

Spill:
 Lumens: 1127.4
 Efficiency: 4.7%

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

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.8	1.7	2.6	3.5	4.3	5.2	6.0	6.8	7.7	8.5
85°	0.0	1.5	3.5	5.2	6.9	8.6	10.3	12.0	13.7	15.3	16.9
82.5°	0.0	2.3	5.2	7.8	10.4	13.0	15.5	18.0	22.5	35.5	47.9
80°	0.0	3.0	6.9	10.4	13.8	17.2	23.3	41.5	59.0	75.9	92.0
77.5°	0.0	3.8	8.6	13.0	17.2	27.0	50.8	73.8	95.3	116.1	141.7
75°	0.0	4.5	10.3	15.5	22.5	46.8	77.7	105.8	132.8	169.9	209.2
72.5°	0.0	5.2	11.9	18.0	35.8	66.0	103.7	140.2	182.6	227.7	275.5
70°	0.0	5.9	13.5	21.6	48.7	84.5	129.7	181.5	231.3	284.5	346.7
67.5°	0.0	6.6	15.0	29.6	61.2	102.2	160.9	221.8	279.1	346.2	417.5
65°	0.0	7.3	16.5	37.2	73.0	122.1	190.8	261.0	330.6	406.1	483.7
62.5°	0.0	7.9	17.9	44.6	84.3	143.9	219.1	302.0	380.4	463.3	543.0
60°	0.0	8.6	19.3	51.5	94.8	164.4	245.8	342.7	428.3	516.8	601.4
57.5°	0.0	9.2	23.2	58.0	108.9	183.8	274.0	380.6	475.6	569.4	656.8
55°	0.0	9.8	27.0	64.1	122.3	201.8	300.6	413.3	522.0	620.3	710.0
52.5°	0.0	10.3	30.7	69.7	134.8	218.8	325.3	447.4	567.4	667.0	761.8
50°	0.0	10.9	34.2	74.8	146.3	237.0	347.9	479.7	610.5	712.4	821.1
47.5°	0.0	11.4	37.5	80.2	156.8	253.5	369.1	509.8	649.6	756.3	879.3
45°	0.0	11.9	40.7	87.1	166.2	268.4	392.6	537.5	680.0	806.0	934.9
42.5°	0.0	12.3	43.7	93.5	174.6	281.7	414.2	563.0	709.0	853.6	1000.5
40°	0.0	12.7	46.5	99.9	183.0	293.3	433.8	587.1	739.2	898.1	1064.3
37.5°	0.0	13.1	49.2	106.3	191.3	303.2	451.3	610.0	773.1	940.4	1124.2
35°	0.0	13.5	51.6	112.2	198.4	314.7	466.8	631.5	806.2	989.1	1184.6
32.5°	0.0	13.8	53.9	117.7	204.4	326.1	481.1	651.7	838.3	1036.0	1248.5
30°	0.0	14.1	56.0	122.7	209.2	335.9	496.0	671.8	869.3	1080.7	1308.2
27.5°	0.0	14.3	57.9	127.2	216.3	344.0	509.4	695.3	901.1	1123.2	1363.6
25°	0.0	14.6	59.5	131.3	223.1	350.4	521.1	717.1	934.4	1166.4	1414.9
22.5°	0.0	14.7	61.0	134.9	229.0	356.9	531.2	737.0	965.0	1207.3	1469.5
20°	0.0	14.9	62.3	138.0	234.1	365.8	539.5	754.9	992.7	1243.8	1518.4
17.5°	0.0	15.0	63.3	140.6	238.3	373.0	549.9	770.7	1017.4	1275.9	1561.6
15°	0.0	15.1	64.2	142.7	241.8	378.7	560.7	785.8	1039.0	1303.4	1598.8
12.5°	0.0	15.2	64.8	144.3	244.4	382.7	569.5	800.0	1058.4	1326.2	1630.0
10°	0.0	15.2	65.3	145.5	246.3	385.2	576.2	810.9	1075.2	1347.7	1656.2
7.5°	0.0	15.2	65.5	146.2	247.3	386.2	580.8	818.5	1088.1	1364.9	1678.9
5°	0.0	15.2	65.6	146.3	247.5	385.8	583.2	822.8	1096.9	1377.4	1695.2
2.5°	0.0	15.1	65.4	146.1	246.9	383.9	583.3	823.8	1101.6	1385.0	1704.9
0°	0.0	15.0	65.1	145.3	245.5	380.7	581.1	821.5	1102.0	1387.6	1708.2
-2.5°	0.0	15.1	65.4	146.1	246.9	383.9	583.3	823.8	1101.6	1385.0	1704.9
-5°	0.0	15.2	65.6	146.3	247.5	385.8	583.2	822.8	1096.9	1377.4	1695.2
-7.5°	0.0	15.2	65.5	146.2	247.3	386.2	580.8	818.5	1088.1	1364.9	1678.9
-10°	0.0	15.2	65.3	145.5	246.3	385.2	576.2	810.9	1075.2	1347.7	1656.2
-12.5°	0.0	15.2	64.8	144.3	244.4	382.7	569.5	800.0	1058.4	1326.2	1630.0
-15°	0.0	15.1	64.2	142.7	241.8	378.7	560.7	785.8	1039.0	1303.4	1598.8
-17.5°	0.0	15.0	63.3	140.6	238.3	373.0	549.9	770.7	1017.4	1275.9	1561.6
-20°	0.0	14.9	62.3	138.0	234.1	365.8	539.5	754.9	992.7	1243.8	1518.4

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	14.7	61.0	134.9	229.0	356.9	531.2	737.0	965.0	1207.3	1469.5
-25°	0.0	14.6	59.5	131.3	223.1	350.4	521.1	717.1	934.4	1166.4	1414.9
-27.5°	0.0	14.3	57.9	127.2	216.3	344.0	509.4	695.3	901.1	1123.2	1363.6
-30°	0.0	14.1	56.0	122.7	209.2	335.9	496.0	671.8	869.3	1080.7	1308.2
-32.5°	0.0	13.8	53.9	117.7	204.4	326.1	481.1	651.7	838.3	1036.0	1248.5
-35°	0.0	13.5	51.6	112.2	198.4	314.7	466.8	631.5	806.2	989.1	1184.6
-37.5°	0.0	13.1	49.2	106.3	191.3	303.2	451.3	610.0	773.1	940.4	1124.2
-40°	0.0	12.7	46.5	99.9	183.0	293.3	433.8	587.1	739.2	898.1	1064.3
-42.5°	0.0	12.3	43.7	93.5	174.6	281.7	414.2	563.0	709.0	853.6	1000.5
-45°	0.0	11.9	40.7	87.1	166.2	268.4	392.6	537.5	680.0	806.0	934.9
-47.5°	0.0	11.4	37.5	80.2	156.8	253.5	369.1	509.8	649.6	756.3	879.3
-50°	0.0	10.9	34.2	74.8	146.3	237.0	347.9	479.7	610.5	712.4	821.1
-52.5°	0.0	10.3	30.7	69.7	134.8	218.8	325.3	447.4	567.4	667.0	761.8
-55°	0.0	9.8	27.0	64.1	122.3	201.8	300.6	413.3	522.0	620.3	710.0
-57.5°	0.0	9.2	23.2	58.0	108.9	183.8	274.0	380.6	475.6	569.4	656.8
-60°	0.0	8.6	19.3	51.5	94.8	164.4	245.8	342.7	428.3	516.8	601.4
-62.5°	0.0	7.9	17.9	44.6	84.3	143.9	219.1	302.0	380.4	463.3	543.0
-65°	0.0	7.3	16.5	37.2	73.0	122.1	190.8	261.0	330.6	406.1	483.7
-67.5°	0.0	6.6	15.0	29.6	61.2	102.2	160.9	221.8	279.1	346.2	417.5
-70°	0.0	5.9	13.5	21.6	48.7	84.5	129.7	181.5	231.3	284.5	346.7
-72.5°	0.0	5.2	11.9	18.0	35.8	66.0	103.7	140.2	182.6	227.7	275.5
-75°	0.0	4.5	10.3	15.5	22.5	46.8	77.7	105.8	132.8	169.9	209.2
-77.5°	0.0	3.8	8.6	13.0	17.2	27.0	50.8	73.8	95.3	116.1	141.7
-80°	0.0	3.0	6.9	10.4	13.8	17.2	23.3	41.5	59.0	75.9	92.0
-82.5°	0.0	2.3	5.2	7.8	10.4	13.0	15.5	18.0	22.5	35.5	47.9
-85°	0.0	1.5	3.5	5.2	6.9	8.6	10.3	12.0	13.7	15.3	16.9
-87.5°	0.0	0.8	1.7	2.6	3.5	4.3	5.2	6.0	6.8	7.7	8.5
-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°	9.8	11.2	12.8	14.3	14.5	14.5	14.4	14.1	14.7	15.3	15.9
85°	19.6	22.4	31.2	39.6	43.7	46.2	47.3	47.2	54.8	63.7	73.4
82.5°	60.9	73.5	85.5	96.9	99.8	99.9	98.9	99.3	117.3	137.9	159.1
80°	108.5	124.4	145.6	164.3	172.5	176.7	178.6	178.4	201.1	231.5	263.4
77.5°	172.1	199.0	222.3	242.2	252.9	262.4	270.0	275.9	305.2	343.6	381.7
75°	244.6	274.1	303.4	328.9	346.7	359.9	372.2	392.0	430.4	475.2	514.2
72.5°	321.2	358.8	391.4	419.1	444.1	470.6	500.4	532.9	573.4	618.1	658.9
70°	402.9	444.2	478.4	511.7	545.8	585.6	630.1	674.0	719.2	768.6	816.1
67.5°	482.9	522.7	562.9	605.0	656.0	709.2	761.9	822.5	884.4	939.2	988.3
65°	552.3	599.1	649.3	706.4	769.4	837.0	907.4	980.0	1058.5	1124.4	1184.4
62.5°	618.7	674.8	735.9	807.0	887.3	967.5	1057.2	1148.1	1236.5	1314.1	1385.8
60°	679.8	747.8	825.1	912.2	1006.0	1112.5	1214.8	1318.1	1415.1	1502.9	1593.6
57.5°	739.3	824.9	917.6	1022.2	1140.8	1260.5	1380.6	1491.8	1601.6	1708.6	1811.1
55°	802.2	905.3	1015.6	1144.0	1277.7	1419.2	1548.6	1672.7	1793.6	1923.5	2047.0
52.5°	871.4	986.6	1124.7	1268.4	1422.9	1574.7	1716.9	1858.2	2004.4	2151.4	2312.2
50°	938.2	1081.9	1233.2	1400.3	1567.2	1729.9	1892.9	2055.7	2230.8	2411.1	2593.3
47.5°	1016.2	1173.0	1351.8	1531.0	1713.3	1894.4	2076.1	2272.8	2471.8	2680.9	2882.4
45°	1095.2	1271.6	1464.2	1666.8	1864.0	2064.4	2276.9	2494.3	2727.7	2957.6	3200.0
42.5°	1170.1	1369.4	1581.7	1800.6	2019.9	2243.9	2477.5	2731.5	2986.5	3251.7	3518.1
40°	1253.1	1462.5	1696.6	1937.7	2175.7	2423.9	2690.9	2966.1	3254.6	3546.2	3835.4
37.5°	1332.8	1563.0	1809.1	2068.6	2335.6	2608.5	2898.4	3210.8	3523.6	3837.4	4156.4
35°	1407.5	1658.3	1924.9	2200.4	2483.6	2794.0	3118.1	3451.5	3790.4	4129.8	4472.9
32.5°	1484.3	1748.2	2035.5	2330.4	2642.4	2975.3	3330.3	3691.6	4052.5	4415.0	4790.5
30°	1561.3	1842.4	2142.7	2453.3	2794.6	3157.3	3538.8	3921.5	4303.3	4702.2	5102.4
27.5°	1634.0	1931.9	2248.0	2580.3	2940.5	3325.9	3731.0	4140.9	4552.7	4976.7	5403.6
25°	1701.1	2016.6	2345.7	2702.6	3084.3	3488.0	3910.1	4337.9	4789.4	5243.2	5688.9
22.5°	1766.4	2094.4	2436.2	2815.2	3214.6	3638.6	4078.1	4529.8	5001.7	5489.0	5950.3
20°	1829.2	2168.5	2524.3	2917.3	3331.3	3774.2	4230.9	4703.9	5198.9	5699.2	6195.4
17.5°	1885.1	2234.4	2606.3	3012.7	3442.8	3898.2	4368.5	4857.0	5374.1	5892.7	6418.5
15°	1933.7	2291.7	2677.3	3095.9	3541.2	4010.8	4496.2	4998.7	5529.0	6069.0	6615.6
12.5°	1974.8	2340.2	2737.0	3166.7	3624.8	4107.5	4606.0	5126.0	5670.7	6225.9	6788.3
10°	2008.2	2379.8	2785.4	3224.6	3693.0	4187.4	4696.3	5231.1	5792.1	6359.3	6933.6
7.5°	2036.6	2412.8	2823.8	3269.2	3745.6	4249.9	4766.7	5313.0	5888.7	6463.4	7050.2
5°	2057.3	2439.5	2859.1	3306.6	3791.4	4298.8	4820.0	5371.4	5959.4	6537.4	7134.8
2.5°	2069.7	2456.8	2883.1	3330.8	3827.3	4335.4	4867.4	5422.9	6011.2	6596.2	7198.4
0°	2073.9	2464.6	2895.4	3341.2	3847.2	4353.1	4894.1	5450.1	6036.2	6632.3	7238.5
-2.5°	2069.7	2456.8	2883.1	3330.8	3827.3	4335.4	4867.4	5422.9	6011.2	6596.2	7198.4
-5°	2057.3	2439.5	2859.1	3306.6	3791.4	4298.8	4820.0	5371.4	5959.4	6537.4	7134.8
-7.5°	2036.6	2412.8	2823.8	3269.2	3745.6	4249.9	4766.7	5313.0	5888.7	6463.4	7050.2
-10°	2008.2	2379.8	2785.4	3224.6	3693.0	4187.4	4696.3	5231.1	5792.1	6359.3	6933.6
-12.5°	1974.8	2340.2	2737.0	3166.7	3624.8	4107.5	4606.0	5126.0	5670.7	6225.9	6788.3
-15°	1933.7	2291.7	2677.3	3095.9	3541.2	4010.8	4496.2	4998.7	5529.0	6069.0	6615.6
-17.5°	1885.1	2234.4	2606.3	3012.7	3442.8	3898.2	4368.5	4857.0	5374.1	5892.7	6418.5
-20°	1829.2	2168.5	2524.3	2917.3	3331.3	3774.2	4230.9	4703.9	5198.9	5699.2	6195.4



REPORT NUMBER: P627291 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1766.4	2094.4	2436.2	2815.2	3214.6	3638.6	4078.1	4529.8	5001.7	5489.0	5950.3
-25°	1701.1	2016.6	2345.7	2702.6	3084.3	3488.0	3910.1	4337.9	4789.4	5243.2	5688.9
-27.5°	1634.0	1931.9	2248.0	2580.3	2940.5	3325.9	3731.0	4140.9	4552.7	4976.7	5403.6
-30°	1561.3	1842.4	2142.7	2453.3	2794.6	3157.3	3538.8	3921.5	4303.3	4702.2	5102.4
-32.5°	1484.3	1748.2	2035.5	2330.4	2642.4	2975.3	3330.3	3691.6	4052.5	4415.0	4790.5
-35°	1407.5	1658.3	1924.9	2200.4	2483.6	2794.0	3118.1	3451.5	3790.4	4129.8	4472.9
-37.5°	1332.8	1563.0	1809.1	2068.6	2335.6	2608.5	2898.4	3210.8	3523.6	3837.4	4156.4
-40°	1253.1	1462.5	1696.6	1937.7	2175.7	2423.9	2690.9	2966.1	3254.6	3546.2	3835.4
-42.5°	1170.1	1369.4	1581.7	1800.6	2019.9	2243.9	2477.5	2731.5	2986.5	3251.7	3518.1
-45°	1095.2	1271.6	1464.2	1666.8	1864.0	2064.4	2276.9	2494.3	2727.7	2957.6	3200.0
-47.5°	1016.2	1173.0	1351.8	1531.0	1713.3	1894.4	2076.1	2272.8	2471.8	2680.9	2882.4
-50°	938.2	1081.9	1233.2	1400.3	1567.2	1729.9	1892.9	2055.7	2230.8	2411.1	2593.3
-52.5°	871.4	986.6	1124.7	1268.4	1422.9	1574.7	1716.9	1858.2	2004.4	2151.4	2312.2
-55°	802.2	905.3	1015.6	1144.0	1277.7	1419.2	1548.6	1672.7	1793.6	1923.5	2047.0
-57.5°	739.3	824.9	917.6	1022.2	1140.8	1260.5	1380.6	1491.8	1601.6	1708.6	1811.1
-60°	679.8	747.8	825.1	912.2	1006.0	1112.5	1214.8	1318.1	1415.1	1502.9	1593.6
-62.5°	618.7	674.8	735.9	807.0	887.3	967.5	1057.2	1148.1	1236.5	1314.1	1385.8
-65°	552.3	599.1	649.3	706.4	769.4	837.0	907.4	980.0	1058.5	1124.4	1184.4
-67.5°	482.9	522.7	562.9	605.0	656.0	709.2	761.9	822.5	884.4	939.2	988.3
-70°	402.9	444.2	478.4	511.7	545.8	585.6	630.1	674.0	719.2	768.6	816.1
-72.5°	321.2	358.8	391.4	419.1	444.1	470.6	500.4	532.9	573.4	618.1	658.9
-75°	244.6	274.1	303.4	328.9	346.7	359.9	372.2	392.0	430.4	475.2	514.2
-77.5°	172.1	199.0	222.3	242.2	252.9	262.4	270.0	275.9	305.2	343.6	381.7
-80°	108.5	124.4	145.6	164.3	172.5	176.7	178.6	178.4	201.1	231.5	263.4
-82.5°	60.9	73.5	85.5	96.9	99.8	99.9	98.9	99.3	117.3	137.9	159.1
-85°	19.6	22.4	31.2	39.6	43.7	46.2	47.3	47.2	54.8	63.7	73.4
-87.5°	9.8	11.2	12.8	14.3	14.5	14.5	14.4	14.1	14.7	15.3	15.9
-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: P627291 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-740-U-VWR-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°	16.4	16.9	17.3	17.7	18.1	18.5	18.8	19.1	19.3	18.3	17.2
85°	83.7	89.6	95.1	100.4	105.4	110.2	114.6	118.8	122.6	112.0	100.3
82.5°	180.7	195.2	209.0	222.7	236.3	239.7	240.8	240.3	238.5	219.8	199.1
80°	295.0	319.5	342.7	365.6	388.3	390.8	388.2	383.6	377.0	352.5	324.7
77.5°	419.7	450.6	477.7	502.5	525.0	529.3	528.7	527.5	525.6	500.7	470.4
75°	547.6	577.8	607.0	631.8	652.5	662.0	666.6	669.9	671.7	653.8	630.3
72.5°	695.8	727.3	753.0	777.1	797.5	812.2	822.8	830.8	836.2	830.8	821.1
70°	856.7	890.4	918.8	946.0	973.6	995.8	1012.5	1024.6	1032.3	1037.4	1040.9
67.5°	1037.8	1083.1	1122.6	1156.3	1189.7	1221.1	1246.8	1267.9	1284.1	1297.9	1308.5
65°	1241.8	1299.7	1351.1	1398.2	1441.5	1486.9	1524.2	1555.5	1580.6	1601.4	1618.2
62.5°	1456.4	1527.3	1593.3	1657.2	1719.9	1781.7	1829.0	1872.1	1910.5	1943.5	1969.7
60°	1679.3	1760.0	1848.5	1932.9	2010.6	2081.6	2152.1	2213.2	2265.4	2308.8	2343.7
57.5°	1919.0	2023.4	2126.8	2231.7	2330.8	2423.5	2510.3	2586.9	2651.6	2704.7	2749.3
55°	2177.9	2308.5	2428.4	2560.7	2688.5	2804.9	2907.4	2997.4	3075.3	3140.5	3195.9
52.5°	2462.5	2621.2	2777.0	2927.5	3072.6	3207.6	3330.3	3435.1	3528.4	3608.4	3672.2
50°	2773.9	2955.5	3136.1	3303.5	3470.2	3625.8	3766.4	3888.1	3996.6	4090.6	4164.6
47.5°	3099.7	3306.4	3508.0	3699.6	3884.1	4057.1	4209.3	4348.0	4483.3	4593.7	4681.0
45°	3437.9	3669.8	3892.2	4111.3	4314.5	4508.3	4696.2	4868.9	5007.8	5129.3	5231.5
42.5°	3780.2	4038.9	4288.0	4527.0	4750.5	4974.6	5185.9	5374.7	5533.1	5671.3	5787.4
40°	4127.0	4410.1	4684.6	4945.3	5200.7	5445.1	5673.6	5872.7	6051.3	6215.6	6352.4
37.5°	4472.0	4783.6	5087.6	5379.6	5660.9	5925.6	6172.6	6397.6	6599.2	6786.1	6938.0
35°	4818.6	5160.4	5493.2	5814.6	6121.8	6414.0	6684.3	6940.3	7177.8	7367.3	7522.7
32.5°	5163.8	5531.2	5893.5	6247.3	6583.5	6898.5	7191.4	7474.3	7718.7	7926.9	8105.6
30°	5497.8	5895.9	6290.4	6674.0	7037.3	7378.5	7702.9	8002.0	8264.8	8492.6	8692.9
27.5°	5825.7	6253.3	6676.6	7086.4	7479.2	7850.0	8204.0	8528.3	8815.1	9062.7	9273.9
25°	6135.5	6595.2	7046.4	7480.8	7900.3	8309.4	8691.6	9045.6	9351.9	9623.6	9840.7
22.5°	6431.5	6921.7	7395.8	7852.9	8301.6	8742.5	9160.9	9530.6	9855.2	10139.3	10379.6
20°	6707.3	7232.6	7717.6	8201.0	8673.7	9144.5	9593.7	9983.8	10327.2	10629.6	10894.5
17.5°	6965.1	7503.9	8014.6	8529.2	9027.4	9521.3	9977.7	10395.8	10766.4	11087.5	11364.9
15°	7183.3	7727.5	8285.2	8834.6	9360.0	9860.1	10316.1	10752.7	11164.3	11511.6	11792.8
12.5°	7360.0	7925.9	8507.8	9091.0	9646.7	10146.1	10623.5	11066.4	11498.6	11888.8	12147.3
10°	7510.6	8093.3	8694.0	9288.9	9851.9	10380.3	10899.4	11367.7	11792.4	12141.7	12430.5
7.5°	7640.8	8241.1	8851.2	9447.0	10008.1	10554.1	11088.5	11585.9	12014.6	12343.7	12601.2
5°	7736.8	8351.4	8973.2	9574.5	10143.5	10691.3	11228.0	11719.2	12137.7	12472.6	12753.5
2.5°	7805.6	8425.8	9052.2	9654.3	10235.9	10785.1	11335.2	11831.9	12237.2	12544.0	12813.0
0°	7849.6	8470.8	9101.9	9718.1	10289.1	10820.1	11411.2	11877.1	12297.9	12603.4	12884.0
-2.5°	7805.6	8425.8	9052.2	9654.3	10235.9	10785.1	11335.2	11831.9	12237.2	12544.0	12813.0
-5°	7736.8	8351.4	8973.2	9574.5	10143.5	10691.3	11228.0	11719.2	12137.7	12472.6	12753.5
-7.5°	7640.8	8241.1	8851.2	9447.0	10008.1	10554.1	11088.5	11585.9	12014.6	12343.7	12601.2
-10°	7510.6	8093.3	8694.0	9288.9	9851.9	10380.3	10899.4	11367.7	11792.4	12141.7	12430.5
-12.5°	7360.0	7925.9	8507.8	9091.0	9646.7	10146.1	10623.5	11066.4	11498.6	11888.8	12147.3
-15°	7183.3	7727.5	8285.2	8834.6	9360.0	9860.1	10316.1	10752.7	11164.3	11511.6	11792.8
-17.5°	6965.1	7503.9	8014.6	8529.2	9027.4	9521.3	9977.7	10395.8	10766.4	11087.5	11364.9
-20°	6707.3	7232.6	7717.6	8201.0	8673.7	9144.5	9593.7	9983.8	10327.2	10629.6	10894.5



REPORT NUMBER: P627291 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6431.5	6921.7	7395.8	7852.9	8301.6	8742.5	9160.9	9530.6	9855.2	10139.3	10379.6
-25°	6135.5	6595.2	7046.4	7480.8	7900.3	8309.4	8691.6	9045.6	9351.9	9623.6	9840.7
-27.5°	5825.7	6253.3	6676.6	7086.4	7479.2	7850.0	8204.0	8528.3	8815.1	9062.7	9273.9
-30°	5497.8	5895.9	6290.4	6674.0	7037.3	7378.5	7702.9	8002.0	8264.8	8492.6	8692.9
-32.5°	5163.8	5531.2	5893.5	6247.3	6583.5	6898.5	7191.4	7474.3	7718.7	7926.9	8105.6
-35°	4818.6	5160.4	5493.2	5814.6	6121.8	6414.0	6684.3	6940.3	7177.8	7367.3	7522.7
-37.5°	4472.0	4783.6	5087.6	5379.6	5660.9	5925.6	6172.6	6397.6	6599.2	6786.1	6938.0
-40°	4127.0	4410.1	4684.6	4945.3	5200.7	5445.1	5673.6	5872.7	6051.3	6215.6	6352.4
-42.5°	3780.2	4038.9	4288.0	4527.0	4750.5	4974.6	5185.9	5374.7	5533.1	5671.3	5787.4
-45°	3437.9	3669.8	3892.2	4111.3	4314.5	4508.3	4696.2	4868.9	5007.8	5129.3	5231.5
-47.5°	3099.7	3306.4	3508.0	3699.6	3884.1	4057.1	4209.3	4348.0	4483.3	4593.7	4681.0
-50°	2773.9	2955.5	3136.1	3303.5	3470.2	3625.8	3766.4	3888.1	3996.6	4090.6	4164.6
-52.5°	2462.5	2621.2	2777.0	2927.5	3072.6	3207.6	3330.3	3435.1	3528.4	3608.4	3672.2
-55°	2177.9	2308.5	2428.4	2560.7	2688.5	2804.9	2907.4	2997.4	3075.3	3140.5	3195.9
-57.5°	1919.0	2023.4	2126.8	2231.7	2330.8	2423.5	2510.3	2586.9	2651.6	2704.7	2749.3
-60°	1679.3	1760.0	1848.5	1932.9	2010.6	2081.6	2152.1	2213.2	2265.4	2308.8	2343.7
-62.5°	1456.4	1527.3	1593.3	1657.2	1719.9	1781.7	1829.0	1872.1	1910.5	1943.5	1969.7
-65°	1241.8	1299.7	1351.1	1398.2	1441.5	1486.9	1524.2	1555.5	1580.6	1601.4	1618.2
-67.5°	1037.8	1083.1	1122.6	1156.3	1189.7	1221.1	1246.8	1267.9	1284.1	1297.9	1308.5
-70°	856.7	890.4	918.8	946.0	973.6	995.8	1012.5	1024.6	1032.3	1037.4	1040.9
-72.5°	695.8	727.3	753.0	777.1	797.5	812.2	822.8	830.8	836.2	830.8	821.1
-75°	547.6	577.8	607.0	631.8	652.5	662.0	666.6	669.9	671.7	653.8	630.3
-77.5°	419.7	450.6	477.7	502.5	525.0	529.3	528.7	527.5	525.6	500.7	470.4
-80°	295.0	319.5	342.7	365.6	388.3	390.8	388.2	383.6	377.0	352.5	324.7
-82.5°	180.7	195.2	209.0	222.7	236.3	239.7	240.8	240.3	238.5	219.8	199.1
-85°	83.7	89.6	95.1	100.4	105.4	110.2	114.6	118.8	122.6	112.0	100.3
-87.5°	16.4	16.9	17.3	17.7	18.1	18.5	18.8	19.1	19.3	18.3	17.2
-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: P627291 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-740-U-VWR-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°	16.1	14.9	15.0	15.0	15.0	14.9	16.1	17.2	18.3	19.3	19.1
85°	87.8	74.7	70.0	65.1	70.0	74.7	87.8	100.3	112.0	122.6	118.8
82.5°	177.4	154.8	147.6	140.3	147.6	154.8	177.4	199.1	219.8	238.5	240.3
80°	295.4	264.8	252.7	240.4	252.7	264.8	295.4	324.7	352.5	377.0	383.6
77.5°	438.4	404.8	390.4	375.7	390.4	404.8	438.4	470.4	500.7	525.6	527.5
75°	605.4	579.1	563.2	546.0	563.2	579.1	605.4	630.3	653.8	671.7	669.9
72.5°	810.2	797.3	785.6	771.4	785.6	797.3	810.2	821.1	830.8	836.2	830.8
70°	1042.1	1040.4	1042.5	1041.9	1042.5	1040.4	1042.1	1040.9	1037.4	1032.3	1024.6
67.5°	1314.0	1314.4	1320.0	1322.5	1320.0	1314.4	1314.0	1308.5	1297.9	1284.1	1267.9
65°	1628.5	1632.4	1630.9	1623.0	1630.9	1632.4	1628.5	1618.2	1601.4	1580.6	1555.5
62.5°	1988.3	1999.1	2005.1	2003.7	2005.1	1999.1	1988.3	1969.7	1943.5	1910.5	1872.1
60°	2369.8	2386.8	2395.4	2394.5	2395.4	2386.8	2369.8	2343.7	2308.8	2265.4	2213.2
57.5°	2782.5	2804.2	2809.3	2800.2	2809.3	2804.2	2782.5	2749.3	2704.7	2651.6	2586.9
55°	3237.6	3265.4	3276.2	3271.1	3276.2	3265.4	3237.6	3195.9	3140.5	3075.3	2997.4
52.5°	3718.9	3749.0	3759.7	3752.0	3759.7	3749.0	3718.9	3672.2	3608.4	3528.4	3435.1
50°	4218.8	4255.3	4269.9	4262.9	4269.9	4255.3	4218.8	4164.6	4090.6	3996.6	3888.1
47.5°	4749.4	4797.9	4816.7	4803.9	4816.7	4797.9	4749.4	4681.0	4593.7	4483.3	4348.0
45°	5307.8	5358.0	5377.5	5365.0	5377.5	5358.0	5307.8	5231.5	5129.3	5007.8	4868.9
42.5°	5876.1	5941.4	5969.0	5946.1	5969.0	5941.4	5876.1	5787.4	5671.3	5533.1	5374.7
40°	6454.5	6525.3	6558.0	6542.2	6558.0	6525.3	6454.5	6352.4	6215.6	6051.3	5872.7
37.5°	7047.7	7118.2	7152.8	7153.3	7152.8	7118.2	7047.7	6938.0	6786.1	6599.2	6397.6
35°	7643.1	7728.5	7776.8	7774.5	7776.8	7728.5	7643.1	7522.7	7367.3	7177.8	6940.3
32.5°	8246.8	8339.2	8388.6	8395.6	8388.6	8339.2	8246.8	8105.6	7926.9	7718.7	7474.3
30°	8849.5	8951.2	9008.4	9031.8	9008.4	8951.2	8849.5	8692.9	8492.6	8264.8	8002.0
27.5°	9434.0	9559.1	9645.4	9652.9	9645.4	9559.1	9434.0	9273.9	9062.7	8815.1	8528.3
25°	10000.1	10127.4	10216.0	10234.0	10216.0	10127.4	10000.1	9840.7	9623.6	9351.9	9045.6
22.5°	10558.1	10691.2	10772.9	10805.1	10772.9	10691.2	10558.1	10379.6	10139.3	9855.2	9530.6
20°	11090.7	11234.9	11321.6	11356.1	11321.6	11234.9	11090.7	10894.5	10629.6	10327.2	9983.8
17.5°	11572.5	11725.0	11832.0	11862.1	11832.0	11725.0	11572.5	11364.9	11087.5	10766.4	10395.8
15°	11996.6	12141.1	12242.7	12282.8	12242.7	12141.1	11996.6	11792.8	11511.6	11164.3	10752.7
12.5°	12341.7	12471.0	12550.6	12588.4	12550.6	12471.0	12341.7	12147.3	11888.8	11498.6	11066.4
10°	12611.4	12741.1	12817.1	12868.9	12817.1	12741.1	12611.4	12430.5	12141.7	11792.4	11367.7
7.5°	12845.4	12978.3	13071.3	13144.4	13071.3	12978.3	12845.4	12601.2	12343.7	12014.6	11585.9
5°	12974.6	13196.6	13230.0	13279.7	13230.0	13196.6	12974.6	12753.5	12472.6	12137.7	11719.2
2.5°	13073.2	13230.6	13325.2	13314.8	13325.2	13230.6	13073.2	12813.0	12544.0	12237.2	11831.9
0°	13144.4	13284.7	13319.8	13364.9	13319.8	13284.7	13144.4	12884.0	12603.4	12297.9	11877.1
-2.5°	13073.2	13230.6	13325.2	13314.8	13325.2	13230.6	13073.2	12813.0	12544.0	12237.2	11831.9
-5°	12974.6	13196.6	13230.0	13279.7	13230.0	13196.6	12974.6	12753.5	12472.6	12137.7	11719.2
-7.5°	12845.4	12978.3	13071.3	13144.4	13071.3	12978.3	12845.4	12601.2	12343.7	12014.6	11585.9
-10°	12611.4	12741.1	12817.1	12868.9	12817.1	12741.1	12611.4	12430.5	12141.7	11792.4	11367.7
-12.5°	12341.7	12471.0	12550.6	12588.4	12550.6	12471.0	12341.7	12147.3	11888.8	11498.6	11066.4
-15°	11996.6	12141.1	12242.7	12282.8	12242.7	12141.1	11996.6	11792.8	11511.6	11164.3	10752.7
-17.5°	11572.5	11725.0	11832.0	11862.1	11832.0	11725.0	11572.5	11364.9	11087.5	10766.4	10395.8
-20°	11090.7	11234.9	11321.6	11356.1	11321.6	11234.9	11090.7	10894.5	10629.6	10327.2	9983.8



REPORT NUMBER: P627291 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	10558.1	10691.2	10772.9	10805.1	10772.9	10691.2	10558.1	10379.6	10139.3	9855.2	9530.6
-25°	10000.1	10127.4	10216.0	10234.0	10216.0	10127.4	10000.1	9840.7	9623.6	9351.9	9045.6
-27.5°	9434.0	9559.1	9645.4	9652.9	9645.4	9559.1	9434.0	9273.9	9062.7	8815.1	8528.3
-30°	8849.5	8951.2	9008.4	9031.8	9008.4	8951.2	8849.5	8692.9	8492.6	8264.8	8002.0
-32.5°	8246.8	8339.2	8388.6	8395.6	8388.6	8339.2	8246.8	8105.6	7926.9	7718.7	7474.3
-35°	7643.1	7728.5	7776.8	7774.5	7776.8	7728.5	7643.1	7522.7	7367.3	7177.8	6940.3
-37.5°	7047.7	7118.2	7152.8	7153.3	7152.8	7118.2	7047.7	6938.0	6786.1	6599.2	6397.6
-40°	6454.5	6525.3	6558.0	6542.2	6558.0	6525.3	6454.5	6352.4	6215.6	6051.3	5872.7
-42.5°	5876.1	5941.4	5969.0	5946.1	5969.0	5941.4	5876.1	5787.4	5671.3	5533.1	5374.7
-45°	5307.8	5358.0	5377.5	5365.0	5377.5	5358.0	5307.8	5231.5	5129.3	5007.8	4868.9
-47.5°	4749.4	4797.9	4816.7	4803.9	4816.7	4797.9	4749.4	4681.0	4593.7	4483.3	4348.0
-50°	4218.8	4255.3	4269.9	4262.9	4269.9	4255.3	4218.8	4164.6	4090.6	3996.6	3888.1
-52.5°	3718.9	3749.0	3759.7	3752.0	3759.7	3749.0	3718.9	3672.2	3608.4	3528.4	3435.1
-55°	3237.6	3265.4	3276.2	3271.1	3276.2	3265.4	3237.6	3195.9	3140.5	3075.3	2997.4
-57.5°	2782.5	2804.2	2809.3	2800.2	2809.3	2804.2	2782.5	2749.3	2704.7	2651.6	2586.9
-60°	2369.8	2386.8	2395.4	2394.5	2395.4	2386.8	2369.8	2343.7	2308.8	2265.4	2213.2
-62.5°	1988.3	1999.1	2005.1	2003.7	2005.1	1999.1	1988.3	1969.7	1943.5	1910.5	1872.1
-65°	1628.5	1632.4	1630.9	1623.0	1630.9	1632.4	1628.5	1618.2	1601.4	1580.6	1555.5
-67.5°	1314.0	1314.4	1320.0	1322.5	1320.0	1314.4	1314.0	1308.5	1297.9	1284.1	1267.9
-70°	1042.1	1040.4	1042.5	1041.9	1042.5	1040.4	1042.1	1040.9	1037.4	1032.3	1024.6
-72.5°	810.2	797.3	785.6	771.4	785.6	797.3	810.2	821.1	830.8	836.2	830.8
-75°	605.4	579.1	563.2	546.0	563.2	579.1	605.4	630.3	653.8	671.7	669.9
-77.5°	438.4	404.8	390.4	375.7	390.4	404.8	438.4	470.4	500.7	525.6	527.5
-80°	295.4	264.8	252.7	240.4	252.7	264.8	295.4	324.7	352.5	377.0	383.6
-82.5°	177.4	154.8	147.6	140.3	147.6	154.8	177.4	199.1	219.8	238.5	240.3
-85°	87.8	74.7	70.0	65.1	70.0	74.7	87.8	100.3	112.0	122.6	118.8
-87.5°	16.1	14.9	15.0	15.0	15.0	14.9	16.1	17.2	18.3	19.3	19.1
-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: P627291 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-740-U-VWR-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°	18.8	18.5	18.1	17.7	17.3	16.9	16.4	15.9	15.3	14.7	14.1
85°	114.6	110.2	105.4	100.4	95.1	89.6	83.7	73.4	63.7	54.8	47.2
82.5°	240.8	239.7	236.3	222.7	209.0	195.2	180.7	159.1	137.9	117.3	99.3
80°	388.2	390.8	388.3	365.6	342.7	319.5	295.0	263.4	231.5	201.1	178.4
77.5°	528.7	529.3	525.0	502.5	477.7	450.6	419.7	381.7	343.6	305.2	275.9
75°	666.6	662.0	652.5	631.8	607.0	577.8	547.6	514.2	475.2	430.4	392.0
72.5°	822.8	812.2	797.5	777.1	753.0	727.3	695.8	658.9	618.1	573.4	532.9
70°	1012.5	995.8	973.6	946.0	918.8	890.4	856.7	816.1	768.6	719.2	674.0
67.5°	1246.8	1221.1	1189.7	1156.3	1122.6	1083.1	1037.8	988.3	939.2	884.4	822.5
65°	1524.2	1486.9	1441.5	1398.2	1351.1	1299.7	1241.8	1184.4	1124.4	1058.5	980.0
62.5°	1829.0	1781.7	1719.9	1657.2	1593.3	1527.3	1456.4	1385.8	1314.1	1236.5	1148.1
60°	2152.1	2081.6	2010.6	1932.9	1848.5	1760.0	1679.3	1593.6	1502.9	1415.1	1318.1
57.5°	2510.3	2423.5	2330.8	2231.7	2126.8	2023.4	1919.0	1811.1	1708.6	1601.6	1491.8
55°	2907.4	2804.9	2688.5	2560.7	2428.4	2308.5	2177.9	2047.0	1923.5	1793.6	1672.7
52.5°	3330.3	3207.6	3072.6	2927.5	2777.0	2621.2	2462.5	2312.2	2151.4	2004.4	1858.2
50°	3766.4	3625.8	3470.2	3303.5	3136.1	2955.5	2773.9	2593.3	2411.1	2230.8	2055.7
47.5°	4209.3	4057.1	3884.1	3699.6	3508.0	3306.4	3099.7	2882.4	2680.9	2471.8	2272.8
45°	4696.2	4508.3	4314.5	4111.3	3892.2	3669.8	3437.9	3200.0	2957.6	2727.7	2494.3
42.5°	5185.9	4974.6	4750.5	4527.0	4288.0	4038.9	3780.2	3518.1	3251.7	2986.5	2731.5
40°	5673.6	5445.1	5200.7	4945.3	4684.6	4410.1	4127.0	3835.4	3546.2	3254.6	2966.1
37.5°	6172.6	5925.6	5660.9	5379.6	5087.6	4783.6	4472.0	4156.4	3837.4	3523.6	3210.8
35°	6684.3	6414.0	6121.8	5814.6	5493.2	5160.4	4818.6	4472.9	4129.8	3790.4	3451.5
32.5°	7191.4	6898.5	6583.5	6247.3	5893.5	5531.2	5163.8	4790.5	4415.0	4052.5	3691.6
30°	7702.9	7378.5	7037.3	6674.0	6290.4	5895.9	5497.8	5102.4	4702.2	4303.3	3921.5
27.5°	8204.0	7850.0	7479.2	7086.4	6676.6	6253.3	5825.7	5403.6	4976.7	4552.7	4140.9
25°	8691.6	8309.4	7900.3	7480.8	7046.4	6595.2	6135.5	5688.9	5243.2	4789.4	4337.9
22.5°	9160.9	8742.5	8301.6	7852.9	7395.8	6921.7	6431.5	5950.3	5489.0	5001.7	4529.8
20°	9593.7	9144.5	8673.7	8201.0	7717.6	7232.6	6707.3	6195.4	5699.2	5198.9	4703.9
17.5°	9977.7	9521.3	9027.4	8529.2	8014.6	7503.9	6965.1	6418.5	5892.7	5374.1	4857.0
15°	10316.1	9860.1	9360.0	8834.6	8285.2	7727.5	7183.3	6615.6	6069.0	5529.0	4998.7
12.5°	10623.5	10146.1	9646.7	9091.0	8507.8	7925.9	7360.0	6788.3	6225.9	5670.7	5126.0
10°	10899.4	10380.3	9851.9	9288.9	8694.0	8093.3	7510.6	6933.6	6359.3	5792.1	5231.1
7.5°	11088.5	10554.1	10008.1	9447.0	8851.2	8241.1	7640.8	7050.2	6463.4	5888.7	5313.0
5°	11228.0	10691.3	10143.5	9574.5	8973.2	8351.4	7736.8	7134.8	6537.4	5959.4	5371.4
2.5°	11335.2	10785.1	10235.9	9654.3	9052.2	8425.8	7805.6	7198.4	6596.2	6011.2	5422.9
0°	11411.2	10820.1	10289.1	9718.1	9101.9	8470.8	7849.6	7238.5	6632.3	6036.2	5450.1
-2.5°	11335.2	10785.1	10235.9	9654.3	9052.2	8425.8	7805.6	7198.4	6596.2	6011.2	5422.9
-5°	11228.0	10691.3	10143.5	9574.5	8973.2	8351.4	7736.8	7134.8	6537.4	5959.4	5371.4
-7.5°	11088.5	10554.1	10008.1	9447.0	8851.2	8241.1	7640.8	7050.2	6463.4	5888.7	5313.0
-10°	10899.4	10380.3	9851.9	9288.9	8694.0	8093.3	7510.6	6933.6	6359.3	5792.1	5231.1
-12.5°	10623.5	10146.1	9646.7	9091.0	8507.8	7925.9	7360.0	6788.3	6225.9	5670.7	5126.0
-15°	10316.1	9860.1	9360.0	8834.6	8285.2	7727.5	7183.3	6615.6	6069.0	5529.0	4998.7
-17.5°	9977.7	9521.3	9027.4	8529.2	8014.6	7503.9	6965.1	6418.5	5892.7	5374.1	4857.0
-20°	9593.7	9144.5	8673.7	8201.0	7717.6	7232.6	6707.3	6195.4	5699.2	5198.9	4703.9



REPORT NUMBER: P627291 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9160.9	8742.5	8301.6	7852.9	7395.8	6921.7	6431.5	5950.3	5489.0	5001.7	4529.8
-25°	8691.6	8309.4	7900.3	7480.8	7046.4	6595.2	6135.5	5688.9	5243.2	4789.4	4337.9
-27.5°	8204.0	7850.0	7479.2	7086.4	6676.6	6253.3	5825.7	5403.6	4976.7	4552.7	4140.9
-30°	7702.9	7378.5	7037.3	6674.0	6290.4	5895.9	5497.8	5102.4	4702.2	4303.3	3921.5
-32.5°	7191.4	6898.5	6583.5	6247.3	5893.5	5531.2	5163.8	4790.5	4415.0	4052.5	3691.6
-35°	6684.3	6414.0	6121.8	5814.6	5493.2	5160.4	4818.6	4472.9	4129.8	3790.4	3451.5
-37.5°	6172.6	5925.6	5660.9	5379.6	5087.6	4783.6	4472.0	4156.4	3837.4	3523.6	3210.8
-40°	5673.6	5445.1	5200.7	4945.3	4684.6	4410.1	4127.0	3835.4	3546.2	3254.6	2966.1
-42.5°	5185.9	4974.6	4750.5	4527.0	4288.0	4038.9	3780.2	3518.1	3251.7	2986.5	2731.5
-45°	4696.2	4508.3	4314.5	4111.3	3892.2	3669.8	3437.9	3200.0	2957.6	2727.7	2494.3
-47.5°	4209.3	4057.1	3884.1	3699.6	3508.0	3306.4	3099.7	2882.4	2680.9	2471.8	2272.8
-50°	3766.4	3625.8	3470.2	3303.5	3136.1	2955.5	2773.9	2593.3	2411.1	2230.8	2055.7
-52.5°	3330.3	3207.6	3072.6	2927.5	2777.0	2621.2	2462.5	2312.2	2151.4	2004.4	1858.2
-55°	2907.4	2804.9	2688.5	2560.7	2428.4	2308.5	2177.9	2047.0	1923.5	1793.6	1672.7
-57.5°	2510.3	2423.5	2330.8	2231.7	2126.8	2023.4	1919.0	1811.1	1708.6	1601.6	1491.8
-60°	2152.1	2081.6	2010.6	1932.9	1848.5	1760.0	1679.3	1593.6	1502.9	1415.1	1318.1
-62.5°	1829.0	1781.7	1719.9	1657.2	1593.3	1527.3	1456.4	1385.8	1314.1	1236.5	1148.1
-65°	1524.2	1486.9	1441.5	1398.2	1351.1	1299.7	1241.8	1184.4	1124.4	1058.5	980.0
-67.5°	1246.8	1221.1	1189.7	1156.3	1122.6	1083.1	1037.8	988.3	939.2	884.4	822.5
-70°	1012.5	995.8	973.6	946.0	918.8	890.4	856.7	816.1	768.6	719.2	674.0
-72.5°	822.8	812.2	797.5	777.1	753.0	727.3	695.8	658.9	618.1	573.4	532.9
-75°	666.6	662.0	652.5	631.8	607.0	577.8	547.6	514.2	475.2	430.4	392.0
-77.5°	528.7	529.3	525.0	502.5	477.7	450.6	419.7	381.7	343.6	305.2	275.9
-80°	388.2	390.8	388.3	365.6	342.7	319.5	295.0	263.4	231.5	201.1	178.4
-82.5°	240.8	239.7	236.3	222.7	209.0	195.2	180.7	159.1	137.9	117.3	99.3
-85°	114.6	110.2	105.4	100.4	95.1	89.6	83.7	73.4	63.7	54.8	47.2
-87.5°	18.8	18.5	18.1	17.7	17.3	16.9	16.4	15.9	15.3	14.7	14.1
-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: P627291 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-740-U-VWR-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°	14.4	14.5	14.5	14.3	12.8	11.2	9.8	8.5	7.7	6.8	6.0
85°	47.3	46.2	43.7	39.6	31.2	22.4	19.6	16.9	15.3	13.7	12.0
82.5°	98.9	99.9	99.8	96.9	85.5	73.5	60.9	47.9	35.5	22.5	18.0
80°	178.6	176.7	172.5	164.3	145.6	124.4	108.5	92.0	75.9	59.0	41.5
77.5°	270.0	262.4	252.9	242.2	222.3	199.0	172.1	141.7	116.1	95.3	73.8
75°	372.2	359.9	346.7	328.9	303.4	274.1	244.6	209.2	169.9	132.8	105.8
72.5°	500.4	470.6	444.1	419.1	391.4	358.8	321.2	275.5	227.7	182.6	140.2
70°	630.1	585.6	545.8	511.7	478.4	444.2	402.9	346.7	284.5	231.3	181.5
67.5°	761.9	709.2	656.0	605.0	562.9	522.7	482.9	417.5	346.2	279.1	221.8
65°	907.4	837.0	769.4	706.4	649.3	599.1	552.3	483.7	406.1	330.6	261.0
62.5°	1057.2	967.5	887.3	807.0	735.9	674.8	618.7	543.0	463.3	380.4	302.0
60°	1214.8	1112.5	1006.0	912.2	825.1	747.8	679.8	601.4	516.8	428.3	342.7
57.5°	1380.6	1260.5	1140.8	1022.2	917.6	824.9	739.3	656.8	569.4	475.6	380.6
55°	1548.6	1419.2	1277.7	1144.0	1015.6	905.3	802.2	710.0	620.3	522.0	413.3
52.5°	1716.9	1574.7	1422.9	1268.4	1124.7	986.6	871.4	761.8	667.0	567.4	447.4
50°	1892.9	1729.9	1567.2	1400.3	1233.2	1081.9	938.2	821.1	712.4	610.5	479.7
47.5°	2076.1	1894.4	1713.3	1531.0	1351.8	1173.0	1016.2	879.3	756.3	649.6	509.8
45°	2276.9	2064.4	1864.0	1666.8	1464.2	1271.6	1095.2	934.9	806.0	680.0	537.5
42.5°	2477.5	2243.9	2019.9	1800.6	1581.7	1369.4	1170.1	1000.5	853.6	709.0	563.0
40°	2690.9	2423.9	2175.7	1937.7	1696.6	1462.5	1253.1	1064.3	898.1	739.2	587.1
37.5°	2898.4	2608.5	2335.6	2068.6	1809.1	1563.0	1332.8	1124.2	940.4	773.1	610.0
35°	3118.1	2794.0	2483.6	2200.4	1924.9	1658.3	1407.5	1184.6	989.1	806.2	631.5
32.5°	3330.3	2975.3	2642.4	2330.4	2035.5	1748.2	1484.3	1248.5	1036.0	838.3	651.7
30°	3538.8	3157.3	2794.6	2453.3	2142.7	1842.4	1561.3	1308.2	1080.7	869.3	671.8
27.5°	3731.0	3325.9	2940.5	2580.3	2248.0	1931.9	1634.0	1363.6	1123.2	901.1	695.3
25°	3910.1	3488.0	3084.3	2702.6	2345.7	2016.6	1701.1	1414.9	1166.4	934.4	717.1
22.5°	4078.1	3638.6	3214.6	2815.2	2436.2	2094.4	1766.4	1469.5	1207.3	965.0	737.0
20°	4230.9	3774.2	3331.3	2917.3	2524.3	2168.5	1829.2	1518.4	1243.8	992.7	754.9
17.5°	4368.5	3898.2	3442.8	3012.7	2606.3	2234.4	1885.1	1561.6	1275.9	1017.4	770.7
15°	4496.2	4010.8	3541.2	3095.9	2677.3	2291.7	1933.7	1598.8	1303.4	1039.0	785.8
12.5°	4606.0	4107.5	3624.8	3166.7	2737.0	2340.2	1974.8	1630.0	1326.2	1058.4	800.0
10°	4696.3	4187.4	3693.0	3224.6	2785.4	2379.8	2008.2	1656.2	1347.7	1075.2	810.9
7.5°	4766.7	4249.9	3745.6	3269.2	2823.8	2412.8	2036.6	1678.9	1364.9	1088.1	818.5
5°	4820.0	4298.8	3791.4	3306.6	2859.1	2439.5	2057.3	1695.2	1377.4	1096.9	822.8
2.5°	4867.4	4335.4	3827.3	3330.8	2883.1	2456.8	2069.7	1704.9	1385.0	1101.6	823.8
0°	4894.1	4353.1	3847.2	3341.2	2895.4	2464.6	2073.9	1708.2	1387.6	1102.0	821.5
-2.5°	4867.4	4335.4	3827.3	3330.8	2883.1	2456.8	2069.7	1704.9	1385.0	1101.6	823.8
-5°	4820.0	4298.8	3791.4	3306.6	2859.1	2439.5	2057.3	1695.2	1377.4	1096.9	822.8
-7.5°	4766.7	4249.9	3745.6	3269.2	2823.8	2412.8	2036.6	1678.9	1364.9	1088.1	818.5
-10°	4696.3	4187.4	3693.0	3224.6	2785.4	2379.8	2008.2	1656.2	1347.7	1075.2	810.9
-12.5°	4606.0	4107.5	3624.8	3166.7	2737.0	2340.2	1974.8	1630.0	1326.2	1058.4	800.0
-15°	4496.2	4010.8	3541.2	3095.9	2677.3	2291.7	1933.7	1598.8	1303.4	1039.0	785.8
-17.5°	4368.5	3898.2	3442.8	3012.7	2606.3	2234.4	1885.1	1561.6	1275.9	1017.4	770.7
-20°	4230.9	3774.2	3331.3	2917.3	2524.3	2168.5	1829.2	1518.4	1243.8	992.7	754.9



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4078.1	3638.6	3214.6	2815.2	2436.2	2094.4	1766.4	1469.5	1207.3	965.0	737.0
-25°	3910.1	3488.0	3084.3	2702.6	2345.7	2016.6	1701.1	1414.9	1166.4	934.4	717.1
-27.5°	3731.0	3325.9	2940.5	2580.3	2248.0	1931.9	1634.0	1363.6	1123.2	901.1	695.3
-30°	3538.8	3157.3	2794.6	2453.3	2142.7	1842.4	1561.3	1308.2	1080.7	869.3	671.8
-32.5°	3330.3	2975.3	2642.4	2330.4	2035.5	1748.2	1484.3	1248.5	1036.0	838.3	651.7
-35°	3118.1	2794.0	2483.6	2200.4	1924.9	1658.3	1407.5	1184.6	989.1	806.2	631.5
-37.5°	2898.4	2608.5	2335.6	2068.6	1809.1	1563.0	1332.8	1124.2	940.4	773.1	610.0
-40°	2690.9	2423.9	2175.7	1937.7	1696.6	1462.5	1253.1	1064.3	898.1	739.2	587.1
-42.5°	2477.5	2243.9	2019.9	1800.6	1581.7	1369.4	1170.1	1000.5	853.6	709.0	563.0
-45°	2276.9	2064.4	1864.0	1666.8	1464.2	1271.6	1095.2	934.9	806.0	680.0	537.5
-47.5°	2076.1	1894.4	1713.3	1531.0	1351.8	1173.0	1016.2	879.3	756.3	649.6	509.8
-50°	1892.9	1729.9	1567.2	1400.3	1233.2	1081.9	938.2	821.1	712.4	610.5	479.7
-52.5°	1716.9	1574.7	1422.9	1268.4	1124.7	986.6	871.4	761.8	667.0	567.4	447.4
-55°	1548.6	1419.2	1277.7	1144.0	1015.6	905.3	802.2	710.0	620.3	522.0	413.3
-57.5°	1380.6	1260.5	1140.8	1022.2	917.6	824.9	739.3	656.8	569.4	475.6	380.6
-60°	1214.8	1112.5	1006.0	912.2	825.1	747.8	679.8	601.4	516.8	428.3	342.7
-62.5°	1057.2	967.5	887.3	807.0	735.9	674.8	618.7	543.0	463.3	380.4	302.0
-65°	907.4	837.0	769.4	706.4	649.3	599.1	552.3	483.7	406.1	330.6	261.0
-67.5°	761.9	709.2	656.0	605.0	562.9	522.7	482.9	417.5	346.2	279.1	221.8
-70°	630.1	585.6	545.8	511.7	478.4	444.2	402.9	346.7	284.5	231.3	181.5
-72.5°	500.4	470.6	444.1	419.1	391.4	358.8	321.2	275.5	227.7	182.6	140.2
-75°	372.2	359.9	346.7	328.9	303.4	274.1	244.6	209.2	169.9	132.8	105.8
-77.5°	270.0	262.4	252.9	242.2	222.3	199.0	172.1	141.7	116.1	95.3	73.8
-80°	178.6	176.7	172.5	164.3	145.6	124.4	108.5	92.0	75.9	59.0	41.5
-82.5°	98.9	99.9	99.8	96.9	85.5	73.5	60.9	47.9	35.5	22.5	18.0
-85°	47.3	46.2	43.7	39.6	31.2	22.4	19.6	16.9	15.3	13.7	12.0
-87.5°	14.4	14.5	14.5	14.3	12.8	11.2	9.8	8.5	7.7	6.8	6.0
-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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Cooper Lighting Solutions Photometric Lab
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CATALOG NUMBER: GFLD-SA3E-740-U-VWR-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°	5.2	4.3	3.5	2.6	1.7	0.8	0.0
85°	10.3	8.6	6.9	5.2	3.5	1.5	0.0
82.5°	15.5	13.0	10.4	7.8	5.2	2.3	0.0
80°	23.3	17.2	13.8	10.4	6.9	3.0	0.0
77.5°	50.8	27.0	17.2	13.0	8.6	3.8	0.0
75°	77.7	46.8	22.5	15.5	10.3	4.5	0.0
72.5°	103.7	66.0	35.8	18.0	11.9	5.2	0.0
70°	129.7	84.5	48.7	21.6	13.5	5.9	0.0
67.5°	160.9	102.2	61.2	29.6	15.0	6.6	0.0
65°	190.8	122.1	73.0	37.2	16.5	7.3	0.0
62.5°	219.1	143.9	84.3	44.6	17.9	7.9	0.0
60°	245.8	164.4	94.8	51.5	19.3	8.6	0.0
57.5°	274.0	183.8	108.9	58.0	23.2	9.2	0.0
55°	300.6	201.8	122.3	64.1	27.0	9.8	0.0
52.5°	325.3	218.8	134.8	69.7	30.7	10.3	0.0
50°	347.9	237.0	146.3	74.8	34.2	10.9	0.0
47.5°	369.1	253.5	156.8	80.2	37.5	11.4	0.0
45°	392.6	268.4	166.2	87.1	40.7	11.9	0.0
42.5°	414.2	281.7	174.6	93.5	43.7	12.3	0.0
40°	433.8	293.3	183.0	99.9	46.5	12.7	0.0
37.5°	451.3	303.2	191.3	106.3	49.2	13.1	0.0
35°	466.8	314.7	198.4	112.2	51.6	13.5	0.0
32.5°	481.1	326.1	204.4	117.7	53.9	13.8	0.0
30°	496.0	335.9	209.2	122.7	56.0	14.1	0.0
27.5°	509.4	344.0	216.3	127.2	57.9	14.3	0.0
25°	521.1	350.4	223.1	131.3	59.5	14.6	0.0
22.5°	531.2	356.9	229.0	134.9	61.0	14.7	0.0
20°	539.5	365.8	234.1	138.0	62.3	14.9	0.0
17.5°	549.9	373.0	238.3	140.6	63.3	15.0	0.0
15°	560.7	378.7	241.8	142.7	64.2	15.1	0.0
12.5°	569.5	382.7	244.4	144.3	64.8	15.2	0.0
10°	576.2	385.2	246.3	145.5	65.3	15.2	0.0
7.5°	580.8	386.2	247.3	146.2	65.5	15.2	0.0
5°	583.2	385.8	247.5	146.3	65.6	15.2	0.0
2.5°	583.3	383.9	246.9	146.1	65.4	15.1	0.0
0°	581.1	380.7	245.5	145.3	65.1	15.0	0.0
-2.5°	583.3	383.9	246.9	146.1	65.4	15.1	0.0
-5°	583.2	385.8	247.5	146.3	65.6	15.2	0.0
-7.5°	580.8	386.2	247.3	146.2	65.5	15.2	0.0
-10°	576.2	385.2	246.3	145.5	65.3	15.2	0.0
-12.5°	569.5	382.7	244.4	144.3	64.8	15.2	0.0
-15°	560.7	378.7	241.8	142.7	64.2	15.1	0.0
-17.5°	549.9	373.0	238.3	140.6	63.3	15.0	0.0
-20°	539.5	365.8	234.1	138.0	62.3	14.9	0.0

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CATALOG NUMBER: GFLD-SA3E-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	531.2	356.9	229.0	134.9	61.0	14.7	0.0
-25°	521.1	350.4	223.1	131.3	59.5	14.6	0.0
-27.5°	509.4	344.0	216.3	127.2	57.9	14.3	0.0
-30°	496.0	335.9	209.2	122.7	56.0	14.1	0.0
-32.5°	481.1	326.1	204.4	117.7	53.9	13.8	0.0
-35°	466.8	314.7	198.4	112.2	51.6	13.5	0.0
-37.5°	451.3	303.2	191.3	106.3	49.2	13.1	0.0
-40°	433.8	293.3	183.0	99.9	46.5	12.7	0.0
-42.5°	414.2	281.7	174.6	93.5	43.7	12.3	0.0
-45°	392.6	268.4	166.2	87.1	40.7	11.9	0.0
-47.5°	369.1	253.5	156.8	80.2	37.5	11.4	0.0
-50°	347.9	237.0	146.3	74.8	34.2	10.9	0.0
-52.5°	325.3	218.8	134.8	69.7	30.7	10.3	0.0
-55°	300.6	201.8	122.3	64.1	27.0	9.8	0.0
-57.5°	274.0	183.8	108.9	58.0	23.2	9.2	0.0
-60°	245.8	164.4	94.8	51.5	19.3	8.6	0.0
-62.5°	219.1	143.9	84.3	44.6	17.9	7.9	0.0
-65°	190.8	122.1	73.0	37.2	16.5	7.3	0.0
-67.5°	160.9	102.2	61.2	29.6	15.0	6.6	0.0
-70°	129.7	84.5	48.7	21.6	13.5	5.9	0.0
-72.5°	103.7	66.0	35.8	18.0	11.9	5.2	0.0
-75°	77.7	46.8	22.5	15.5	10.3	4.5	0.0
-77.5°	50.8	27.0	17.2	13.0	8.6	3.8	0.0
-80°	23.3	17.2	13.8	10.4	6.9	3.0	0.0
-82.5°	15.5	13.0	10.4	7.8	5.2	2.3	0.0
-85°	10.3	8.6	6.9	5.2	3.5	1.5	0.0
-87.5°	5.2	4.3	3.5	2.6	1.7	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)