

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: P627161 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3C-735-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627161 (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-SA3C-735-U-VWR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N74
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

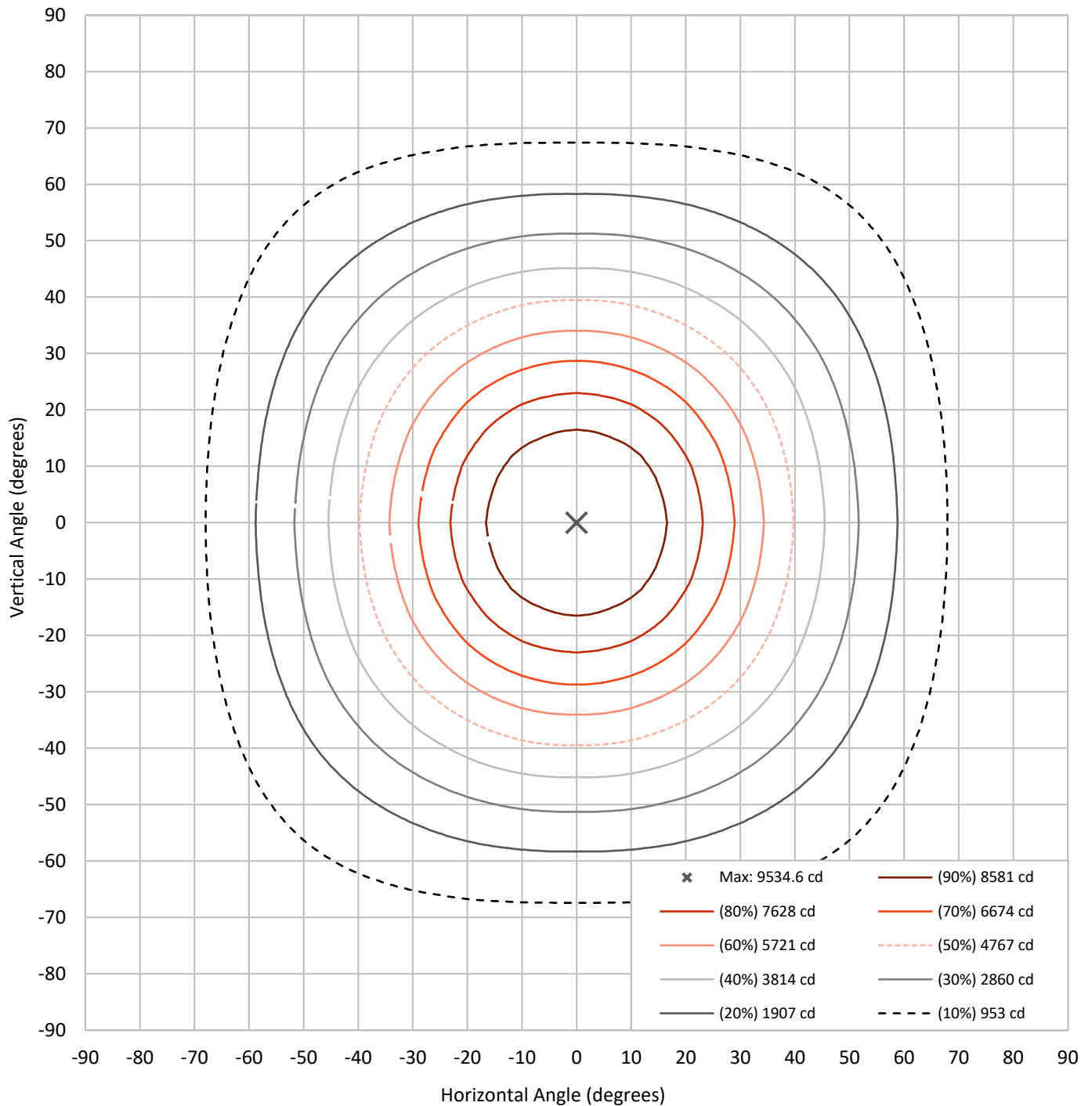
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	17233 lumens	Max Intensity:	9534.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	141.6 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:	10107.3 lumens	Field Lumens:	16428.7 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	121.7		
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





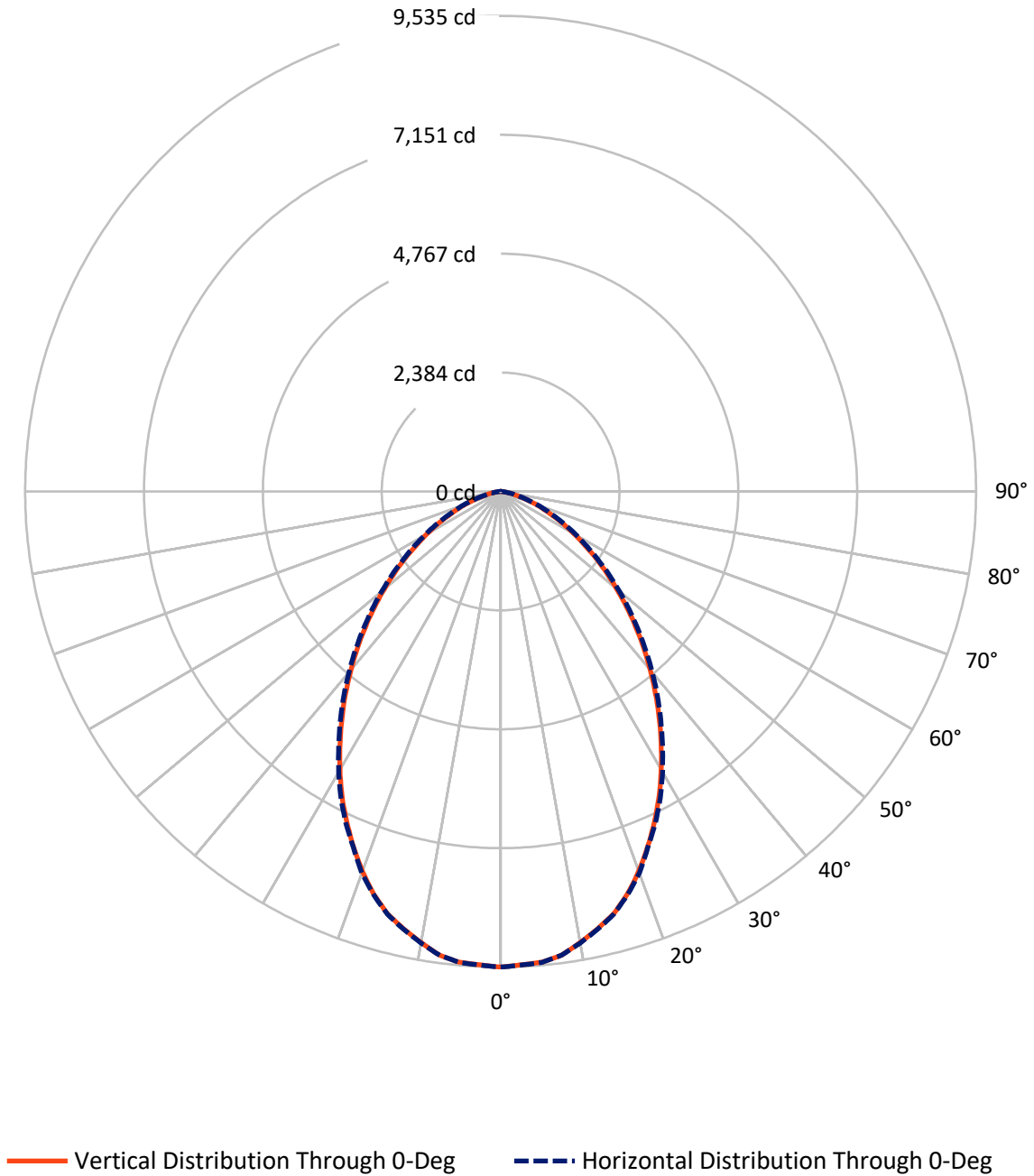
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Lumen Table

90																			
80	0.6	7.1	19.2	32.6	30.8	32.6	19.2	7.1	0.6										
70																			
60	3.2	4.4	8.9	15.2	22.2	28.7	33.6	35.9	35.9	33.6	28.7	22.2	15.2	8.9	4.4	3.2			
50		6.6	14.5	25.9	39.1	53.2	64.7	70.8	70.8	64.7	53.2	39.1	25.9	14.5	6.6				
40	5.6	8.9	21.0	38.7	61.3	85.0	104.8	115.6	115.6	104.8	85.0	61.3	38.7	21.0	8.9	5.6			
30		11.3	27.8	53.3	85.8	120.3	149.8	166.5	166.5	149.8	120.3	85.8	53.3	27.8	11.3				
20	7.2	13.5	34.1	67.0	109.2	155.1	195.1	218.0	218.0	195.1	155.1	109.2	67.0	34.1	13.5	7.2			
10		15.2	39.1	77.2	127.5	183.3	232.5	260.4	260.4	232.5	183.3	127.5	77.2	39.1	15.2				
0	7.9	16.1	41.8	83.1	137.7	198.9	252.7	282.1	282.1	252.7	198.9	137.7	83.1	41.8	16.1	7.9			
-10		16.1	41.8	83.1	137.7	198.9	252.7	282.1	282.1	252.7	198.9	137.7	83.1	41.8	16.1				
-20	7.2	15.2	39.1	77.2	127.5	183.3	232.5	260.4	260.4	232.5	183.3	127.5	77.2	39.1	15.2	7.2			
-30		13.5	34.1	67.0	109.2	155.1	195.1	218.0	218.0	195.1	155.1	109.2	67.0	34.1	13.5				
-40	5.6	11.3	27.8	53.3	85.8	120.3	149.8	166.5	166.5	149.8	120.3	85.8	53.3	27.8	11.3	5.6			
-50		8.9	21.0	38.7	61.3	85.0	104.8	115.6	115.6	104.8	85.0	61.3	38.7	21.0	8.9				
-60	3.2	6.6	14.5	25.9	39.1	53.2	64.7	70.8	70.8	64.7	53.2	39.1	25.9	14.5	6.6	3.2			
-70		4.4	8.9	15.2	22.2	28.7	33.6	35.9	35.9	33.6	28.7	22.2	15.2	8.9	4.4				
-80																			
-90	0.6	7.1	19.2	32.6	30.8	32.6	19.2	7.1	0.6										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

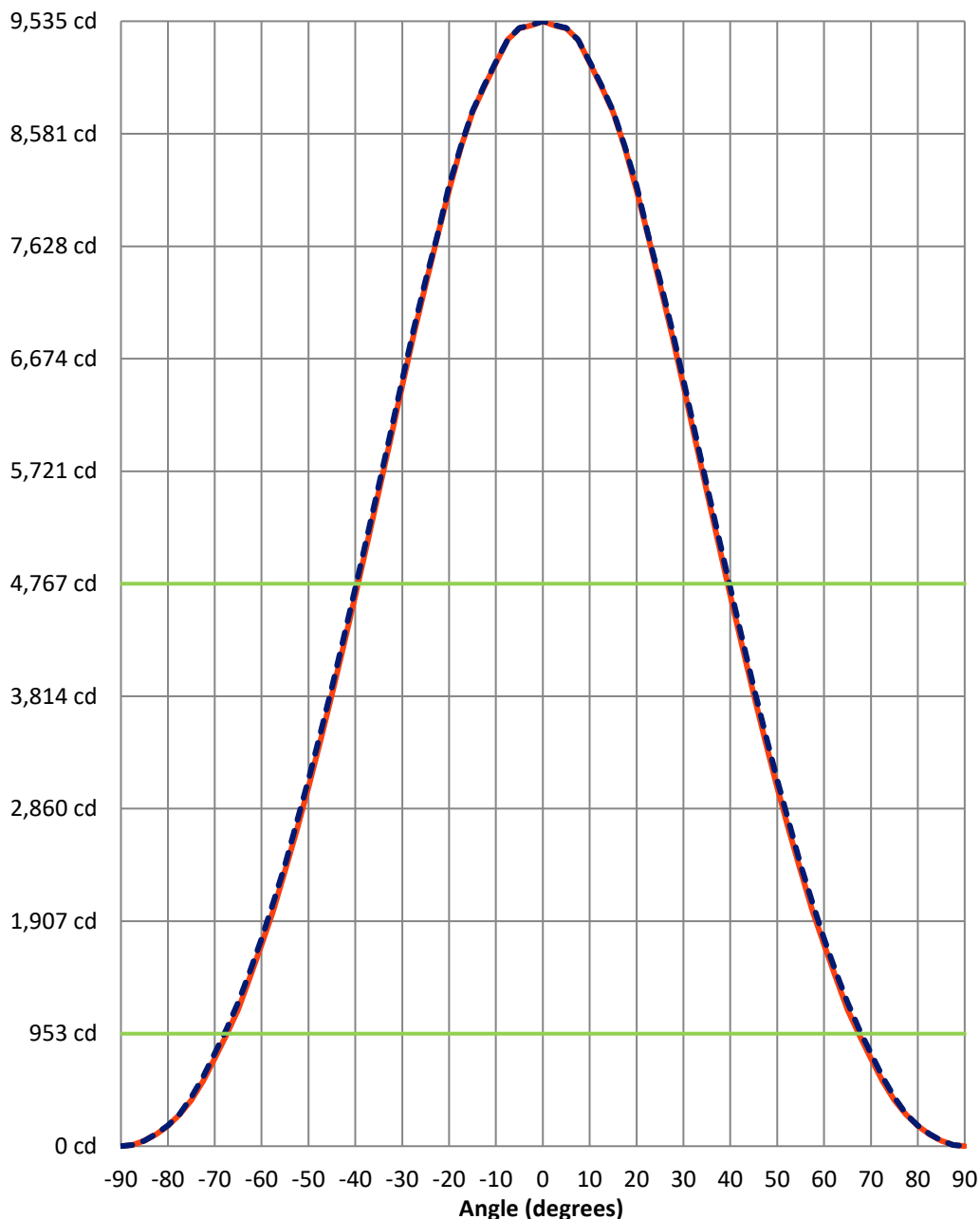
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 79.6°
V Angle: 78.9°
Lumens: 10107.3
Efficiency: 58.7%

Field:
H Angle: 135.9°
V Angle: 134.8°
Lumens: 16428.7
Efficiency: 95.3%

Spill:
Lumens: 804.3
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	0.5	1.2	1.9	2.5	3.1	3.7	4.3	4.9	5.5	6.0
85°	0.0	1.1	2.5	3.7	5.0	6.2	7.4	8.6	9.8	10.9	12.1
82.5°	0.0	1.6	3.7	5.6	7.4	9.3	11.1	12.9	16.1	25.3	34.2
80°	0.0	2.2	4.9	7.4	9.9	12.3	16.7	29.6	42.1	54.1	65.6
77.5°	0.0	2.7	6.1	9.3	12.3	19.3	36.3	52.7	68.0	82.8	101.1
75°	0.0	3.2	7.3	11.1	16.1	33.4	55.4	75.5	94.7	121.2	149.3
72.5°	0.0	3.7	8.5	12.9	25.6	47.1	74.0	100.0	130.3	162.5	196.6
70°	0.0	4.2	9.6	15.4	34.8	60.3	92.5	129.5	165.1	203.0	247.3
67.5°	0.0	4.7	10.7	21.1	43.7	73.0	114.8	158.3	199.1	247.0	297.8
65°	0.0	5.2	11.8	26.6	52.1	87.1	136.1	186.3	235.9	289.7	345.1
62.5°	0.0	5.7	12.8	31.8	60.1	102.6	156.3	215.5	271.4	330.5	387.4
60°	0.0	6.1	13.8	36.8	67.7	117.3	175.4	244.5	305.6	368.7	429.1
57.5°	0.0	6.6	16.6	41.4	77.7	131.1	195.5	271.6	339.3	406.3	468.6
55°	0.0	7.0	19.3	45.8	87.3	144.0	214.5	294.9	372.4	442.5	506.5
52.5°	0.0	7.4	21.9	49.8	96.2	156.2	232.1	319.2	404.8	475.9	543.5
50°	0.0	7.8	24.4	53.4	104.4	169.1	248.2	342.2	435.6	508.3	585.8
47.5°	0.0	8.1	26.8	57.2	111.9	180.9	263.3	363.7	463.5	539.6	627.3
45°	0.0	8.5	29.1	62.2	118.6	191.5	280.1	383.5	485.1	575.1	667.0
42.5°	0.0	8.8	31.2	66.7	124.6	201.0	295.5	401.6	505.9	609.0	713.7
40°	0.0	9.1	33.2	71.3	130.6	209.3	309.5	418.8	527.4	640.8	759.3
37.5°	0.0	9.4	35.1	75.8	136.5	216.3	322.0	435.2	551.6	670.9	802.0
35°	0.0	9.6	36.9	80.1	141.6	224.5	333.0	450.5	575.2	705.7	845.1
32.5°	0.0	9.8	38.5	84.0	145.8	232.7	343.2	464.9	598.1	739.1	890.7
30°	0.0	10.0	40.0	87.6	149.2	239.6	353.8	479.3	620.2	771.0	933.3
27.5°	0.0	10.2	41.3	90.8	154.3	245.4	363.4	496.0	642.9	801.3	972.8
25°	0.0	10.4	42.5	93.7	159.1	250.0	371.8	511.6	666.6	832.1	1009.4
22.5°	0.0	10.5	43.6	96.2	163.3	254.6	378.9	525.8	688.4	861.3	1048.3
20°	0.0	10.6	44.5	98.4	167.0	260.9	384.9	538.6	708.2	887.3	1083.2
17.5°	0.0	10.7	45.2	100.3	170.0	266.1	392.3	549.9	725.9	910.2	1114.0
15°	0.0	10.8	45.8	101.8	172.5	270.1	400.0	560.6	741.2	929.8	1140.6
12.5°	0.0	10.8	46.3	103.0	174.4	273.0	406.3	570.7	755.1	946.1	1162.8
10°	0.0	10.8	46.6	103.8	175.7	274.8	411.1	578.5	767.1	961.4	1181.5
7.5°	0.0	10.8	46.8	104.2	176.4	275.5	414.3	583.9	776.3	973.7	1197.7
5°	0.0	10.8	46.8	104.4	176.5	275.2	416.0	587.0	782.6	982.7	1209.3
2.5°	0.0	10.8	46.7	104.1	176.1	273.9	416.1	587.7	785.9	988.1	1216.3
0°	0.0	10.7	46.5	103.6	175.1	271.6	414.5	586.1	786.2	989.9	1218.6
-2.5°	0.0	10.8	46.7	104.1	176.1	273.9	416.1	587.7	785.9	988.1	1216.3
-5°	0.0	10.8	46.8	104.4	176.5	275.2	416.0	587.0	782.6	982.7	1209.3
-7.5°	0.0	10.8	46.8	104.2	176.4	275.5	414.3	583.9	776.3	973.7	1197.7
-10°	0.0	10.8	46.6	103.8	175.7	274.8	411.1	578.5	767.1	961.4	1181.5
-12.5°	0.0	10.8	46.3	103.0	174.4	273.0	406.3	570.7	755.1	946.1	1162.8
-15°	0.0	10.8	45.8	101.8	172.5	270.1	400.0	560.6	741.2	929.8	1140.6
-17.5°	0.0	10.7	45.2	100.3	170.0	266.1	392.3	549.9	725.9	910.2	1114.0
-20°	0.0	10.6	44.5	98.4	167.0	260.9	384.9	538.6	708.2	887.3	1083.2

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CATALOG NUMBER: GFLD-SA3C-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	10.5	43.6	96.2	163.3	254.6	378.9	525.8	688.4	861.3	1048.3
-25°	0.0	10.4	42.5	93.7	159.1	250.0	371.8	511.6	666.6	832.1	1009.4
-27.5°	0.0	10.2	41.3	90.8	154.3	245.4	363.4	496.0	642.9	801.3	972.8
-30°	0.0	10.0	40.0	87.6	149.2	239.6	353.8	479.3	620.2	771.0	933.3
-32.5°	0.0	9.8	38.5	84.0	145.8	232.7	343.2	464.9	598.1	739.1	890.7
-35°	0.0	9.6	36.9	80.1	141.6	224.5	333.0	450.5	575.2	705.7	845.1
-37.5°	0.0	9.4	35.1	75.8	136.5	216.3	322.0	435.2	551.6	670.9	802.0
-40°	0.0	9.1	33.2	71.3	130.6	209.3	309.5	418.8	527.4	640.8	759.3
-42.5°	0.0	8.8	31.2	66.7	124.6	201.0	295.5	401.6	505.9	609.0	713.7
-45°	0.0	8.5	29.1	62.2	118.6	191.5	280.1	383.5	485.1	575.1	667.0
-47.5°	0.0	8.1	26.8	57.2	111.9	180.9	263.3	363.7	463.5	539.6	627.3
-50°	0.0	7.8	24.4	53.4	104.4	169.1	248.2	342.2	435.6	508.3	585.8
-52.5°	0.0	7.4	21.9	49.8	96.2	156.2	232.1	319.2	404.8	475.9	543.5
-55°	0.0	7.0	19.3	45.8	87.3	144.0	214.5	294.9	372.4	442.5	506.5
-57.5°	0.0	6.6	16.6	41.4	77.7	131.1	195.5	271.6	339.3	406.3	468.6
-60°	0.0	6.1	13.8	36.8	67.7	117.3	175.4	244.5	305.6	368.7	429.1
-62.5°	0.0	5.7	12.8	31.8	60.1	102.6	156.3	215.5	271.4	330.5	387.4
-65°	0.0	5.2	11.8	26.6	52.1	87.1	136.1	186.3	235.9	289.7	345.1
-67.5°	0.0	4.7	10.7	21.1	43.7	73.0	114.8	158.3	199.1	247.0	297.8
-70°	0.0	4.2	9.6	15.4	34.8	60.3	92.5	129.5	165.1	203.0	247.3
-72.5°	0.0	3.7	8.5	12.9	25.6	47.1	74.0	100.0	130.3	162.5	196.6
-75°	0.0	3.2	7.3	11.1	16.1	33.4	55.4	75.5	94.7	121.2	149.3
-77.5°	0.0	2.7	6.1	9.3	12.3	19.3	36.3	52.7	68.0	82.8	101.1
-80°	0.0	2.2	4.9	7.4	9.9	12.3	16.7	29.6	42.1	54.1	65.6
-82.5°	0.0	1.6	3.7	5.6	7.4	9.3	11.1	12.9	16.1	25.3	34.2
-85°	0.0	1.1	2.5	3.7	5.0	6.2	7.4	8.6	9.8	10.9	12.1
-87.5°	0.0	0.5	1.2	1.9	2.5	3.1	3.7	4.3	4.9	5.5	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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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°	7.0	8.0	9.1	10.3	10.4	10.4	10.3	10.1	10.5	11.0	11.3
85°	14.0	16.1	22.3	28.3	31.2	33.0	33.8	33.7	39.2	45.5	52.4
82.5°	43.5	52.4	61.0	69.1	71.2	71.3	70.6	70.9	83.7	98.4	113.5
80°	77.4	88.7	103.8	117.2	123.0	126.0	127.4	127.2	143.5	165.2	187.9
77.5°	122.8	141.9	158.6	172.7	180.4	187.2	192.6	196.9	217.8	245.1	272.3
75°	174.6	195.6	216.4	234.6	247.3	256.8	265.5	279.7	307.0	339.0	366.8
72.5°	229.2	256.0	279.2	298.9	316.8	335.7	356.9	380.1	409.1	441.0	470.1
70°	287.5	316.9	341.3	365.0	389.3	417.7	449.5	480.9	513.1	548.4	582.2
67.5°	344.5	372.9	401.6	431.5	467.9	506.0	543.6	586.8	631.0	670.1	705.0
65°	394.0	427.4	463.2	503.9	548.9	597.2	647.4	699.2	755.2	802.2	845.0
62.5°	441.4	481.4	525.0	575.7	633.0	690.2	754.3	819.1	882.2	937.5	988.7
60°	484.9	533.5	588.6	650.8	717.7	793.7	866.6	940.4	1009.5	1072.2	1136.8
57.5°	527.4	588.4	654.6	729.2	813.9	899.2	984.9	1064.3	1142.6	1218.9	1292.0
55°	572.3	645.8	724.6	816.2	911.6	1012.5	1104.8	1193.3	1279.6	1372.3	1460.4
52.5°	621.6	703.9	802.4	904.9	1015.1	1123.4	1224.9	1325.7	1430.0	1534.9	1649.6
50°	669.3	771.8	879.8	999.0	1118.0	1234.2	1350.5	1466.6	1591.6	1720.2	1850.1
47.5°	725.0	836.9	964.4	1092.3	1222.4	1351.6	1481.2	1621.5	1763.4	1912.6	2056.3
45°	781.4	907.2	1044.6	1189.2	1329.8	1472.8	1624.4	1779.5	1945.9	2110.0	2282.9
42.5°	834.8	977.0	1128.4	1284.6	1441.0	1600.8	1767.5	1948.7	2130.6	2319.8	2509.8
40°	893.9	1043.4	1210.4	1382.4	1552.1	1729.3	1919.8	2116.0	2321.8	2529.9	2736.2
37.5°	950.8	1115.1	1290.6	1475.8	1666.3	1861.0	2067.8	2290.6	2513.8	2737.7	2965.2
35°	1004.1	1183.1	1373.2	1569.8	1771.8	1993.3	2224.5	2462.3	2704.1	2946.3	3191.0
32.5°	1058.9	1247.2	1452.2	1662.5	1885.2	2122.6	2375.8	2633.6	2891.1	3149.7	3417.6
30°	1113.8	1314.4	1528.6	1750.2	1993.7	2252.5	2524.6	2797.7	3070.0	3354.6	3640.2
27.5°	1165.7	1378.2	1603.7	1840.8	2097.8	2372.7	2661.8	2954.2	3247.9	3550.4	3855.0
25°	1213.5	1438.7	1673.4	1928.1	2200.4	2488.4	2789.6	3094.7	3416.8	3740.5	4058.5
22.5°	1260.1	1494.2	1738.0	2008.4	2293.4	2595.9	2909.4	3231.6	3568.2	3915.9	4245.0
20°	1305.0	1547.0	1800.8	2081.2	2376.6	2692.6	3018.4	3355.8	3708.9	4065.8	4419.8
17.5°	1344.8	1594.0	1859.3	2149.3	2456.1	2781.0	3116.5	3465.0	3833.9	4203.9	4579.0
15°	1379.5	1634.9	1910.0	2208.7	2526.4	2861.4	3207.6	3566.0	3944.5	4329.7	4719.6
12.5°	1408.8	1669.5	1952.6	2259.2	2586.0	2930.4	3285.9	3656.9	4045.5	4441.5	4842.8
10°	1432.6	1697.7	1987.2	2300.4	2634.7	2987.3	3350.4	3731.9	4132.1	4536.8	4946.5
7.5°	1452.9	1721.3	2014.5	2332.3	2672.2	3032.0	3400.6	3790.3	4201.1	4611.0	5029.7
5°	1467.7	1740.3	2039.7	2359.0	2704.8	3066.8	3438.7	3831.9	4251.5	4663.9	5090.1
2.5°	1476.5	1752.7	2056.8	2376.3	2730.4	3092.9	3472.4	3868.8	4288.5	4705.8	5135.5
0°	1479.5	1758.3	2065.6	2383.7	2744.6	3105.5	3491.5	3888.2	4306.3	4731.6	5164.0
-2.5°	1476.5	1752.7	2056.8	2376.3	2730.4	3092.9	3472.4	3868.8	4288.5	4705.8	5135.5
-5°	1467.7	1740.3	2039.7	2359.0	2704.8	3066.8	3438.7	3831.9	4251.5	4663.9	5090.1
-7.5°	1452.9	1721.3	2014.5	2332.3	2672.2	3032.0	3400.6	3790.3	4201.1	4611.0	5029.7
-10°	1432.6	1697.7	1987.2	2300.4	2634.7	2987.3	3350.4	3731.9	4132.1	4536.8	4946.5
-12.5°	1408.8	1669.5	1952.6	2259.2	2586.0	2930.4	3285.9	3656.9	4045.5	4441.5	4842.8
-15°	1379.5	1634.9	1910.0	2208.7	2526.4	2861.4	3207.6	3566.0	3944.5	4329.7	4719.6
-17.5°	1344.8	1594.0	1859.3	2149.3	2456.1	2781.0	3116.5	3465.0	3833.9	4203.9	4579.0
-20°	1305.0	1547.0	1800.8	2081.2	2376.6	2692.6	3018.4	3355.8	3708.9	4065.8	4419.8



REPORT NUMBER: P627161 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-735-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°	1260.1	1494.2	1738.0	2008.4	2293.4	2595.9	2909.4	3231.6	3568.2	3915.9	4245.0
-25°	1213.5	1438.7	1673.4	1928.1	2200.4	2488.4	2789.6	3094.7	3416.8	3740.5	4058.5
-27.5°	1165.7	1378.2	1603.7	1840.8	2097.8	2372.7	2661.8	2954.2	3247.9	3550.4	3855.0
-30°	1113.8	1314.4	1528.6	1750.2	1993.7	2252.5	2524.6	2797.7	3070.0	3354.6	3640.2
-32.5°	1058.9	1247.2	1452.2	1662.5	1885.2	2122.6	2375.8	2633.6	2891.1	3149.7	3417.6
-35°	1004.1	1183.1	1373.2	1569.8	1771.8	1993.3	2224.5	2462.3	2704.1	2946.3	3191.0
-37.5°	950.8	1115.1	1290.6	1475.8	1666.3	1861.0	2067.8	2290.6	2513.8	2737.7	2965.2
-40°	893.9	1043.4	1210.4	1382.4	1552.1	1729.3	1919.8	2116.0	2321.8	2529.9	2736.2
-42.5°	834.8	977.0	1128.4	1284.6	1441.0	1600.8	1767.5	1948.7	2130.6	2319.8	2509.8
-45°	781.4	907.2	1044.6	1189.2	1329.8	1472.8	1624.4	1779.5	1945.9	2110.0	2282.9
-47.5°	725.0	836.9	964.4	1092.3	1222.4	1351.6	1481.2	1621.5	1763.4	1912.6	2056.3
-50°	669.3	771.8	879.8	999.0	1118.0	1234.2	1350.5	1466.6	1591.6	1720.2	1850.1
-52.5°	621.6	703.9	802.4	904.9	1015.1	1123.4	1224.9	1325.7	1430.0	1534.9	1649.6
-55°	572.3	645.8	724.6	816.2	911.6	1012.5	1104.8	1193.3	1279.6	1372.3	1460.4
-57.5°	527.4	588.4	654.6	729.2	813.9	899.2	984.9	1064.3	1142.6	1218.9	1292.0
-60°	484.9	533.5	588.6	650.8	717.7	793.7	866.6	940.4	1009.5	1072.2	1136.8
-62.5°	441.4	481.4	525.0	575.7	633.0	690.2	754.3	819.1	882.2	937.5	988.7
-65°	394.0	427.4	463.2	503.9	548.9	597.2	647.4	699.2	755.2	802.2	845.0
-67.5°	344.5	372.9	401.6	431.5	467.9	506.0	543.6	586.8	631.0	670.1	705.0
-70°	287.5	316.9	341.3	365.0	389.3	417.7	449.5	480.9	513.1	548.4	582.2
-72.5°	229.2	256.0	279.2	298.9	316.8	335.7	356.9	380.1	409.1	441.0	470.1
-75°	174.6	195.6	216.4	234.6	247.3	256.8	265.5	279.7	307.0	339.0	366.8
-77.5°	122.8	141.9	158.6	172.7	180.4	187.2	192.6	196.9	217.8	245.1	272.3
-80°	77.4	88.7	103.8	117.2	123.0	126.0	127.4	127.2	143.5	165.2	187.9
-82.5°	43.5	52.4	61.0	69.1	71.2	71.3	70.6	70.9	83.7	98.4	113.5
-85°	14.0	16.1	22.3	28.3	31.2	33.0	33.8	33.7	39.2	45.5	52.4
-87.5°	7.0	8.0	9.1	10.3	10.4	10.4	10.3	10.1	10.5	11.0	11.3
-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: P627161 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-735-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°	11.7	12.1	12.4	12.7	13.0	13.2	13.4	13.6	13.8	13.1	12.3
85°	59.7	63.9	67.9	71.6	75.2	78.6	81.8	84.8	87.5	79.9	71.5
82.5°	129.0	139.3	149.1	158.9	168.5	171.0	171.8	171.5	170.1	156.8	142.0
80°	210.5	228.0	244.5	260.8	277.0	278.8	277.0	273.6	268.9	251.4	231.6
77.5°	299.4	321.4	340.8	358.4	374.6	377.6	377.2	376.3	375.0	357.2	335.6
75°	390.6	412.2	433.0	450.7	465.5	472.2	475.6	477.9	479.2	466.4	449.6
72.5°	496.4	518.9	537.2	554.4	568.9	579.4	587.0	592.7	596.6	592.7	585.8
70°	611.2	635.2	655.5	674.9	694.6	710.4	722.3	731.0	736.5	740.1	742.6
67.5°	740.4	772.7	800.9	825.0	848.8	871.2	889.5	904.5	916.1	925.9	933.5
65°	886.0	927.3	963.9	997.5	1028.3	1060.8	1087.4	1109.7	1127.6	1142.5	1154.4
62.5°	1039.0	1089.6	1136.6	1182.3	1227.0	1271.0	1304.8	1335.6	1362.9	1386.5	1405.2
60°	1198.0	1255.5	1318.7	1378.9	1434.4	1485.0	1535.3	1578.9	1616.1	1647.1	1672.0
57.5°	1369.0	1443.5	1517.3	1592.1	1662.8	1729.0	1790.9	1845.5	1891.6	1929.5	1961.3
55°	1553.7	1646.9	1732.5	1826.8	1918.0	2001.0	2074.1	2138.3	2193.9	2240.5	2280.0
52.5°	1756.8	1870.0	1981.1	2088.5	2192.0	2288.3	2375.9	2450.7	2517.2	2574.3	2619.8
50°	1978.9	2108.5	2237.3	2356.7	2475.7	2586.7	2687.0	2773.8	2851.3	2918.3	2971.0
47.5°	2211.3	2358.8	2502.6	2639.4	2771.0	2894.4	3003.0	3101.9	3198.5	3277.2	3339.5
45°	2452.6	2618.0	2776.7	2933.1	3078.1	3216.3	3350.3	3473.5	3572.6	3659.3	3732.2
42.5°	2696.8	2881.3	3059.1	3229.6	3389.0	3548.9	3699.7	3834.4	3947.4	4046.0	4128.8
40°	2944.2	3146.2	3342.0	3528.0	3710.2	3884.6	4047.6	4189.7	4317.1	4434.3	4531.9
37.5°	3190.4	3412.6	3629.5	3837.9	4038.5	4227.4	4403.5	4564.1	4707.9	4841.3	4949.7
35°	3437.6	3681.5	3919.0	4148.2	4367.4	4575.8	4768.7	4951.3	5120.8	5255.9	5366.8
32.5°	3683.9	3946.1	4204.5	4456.9	4696.8	4921.5	5130.5	5332.3	5506.6	5655.1	5782.6
30°	3922.3	4206.2	4487.7	4761.3	5020.4	5263.9	5495.3	5708.8	5896.2	6058.7	6201.6
27.5°	4156.1	4461.2	4763.2	5055.5	5335.7	5600.2	5852.8	6084.2	6288.8	6465.4	6616.1
25°	4377.1	4705.1	5026.9	5336.9	5636.2	5928.0	6200.7	6453.3	6671.8	6865.6	7020.5
22.5°	4588.3	4938.0	5276.2	5602.3	5922.4	6237.0	6535.5	6799.3	7030.8	7233.5	7404.9
20°	4785.0	5159.8	5505.8	5850.6	6187.9	6523.8	6844.3	7122.5	7367.5	7583.3	7772.3
17.5°	4969.0	5353.4	5717.7	6084.8	6440.2	6792.6	7118.2	7416.5	7680.8	7909.9	8107.8
15°	5124.7	5512.8	5910.7	6302.7	6677.5	7034.3	7359.7	7671.2	7964.7	8212.5	8413.1
12.5°	5250.7	5654.4	6069.5	6485.6	6882.0	7238.3	7578.9	7894.9	8203.2	8481.6	8666.0
10°	5358.2	5773.9	6202.4	6626.8	7028.4	7405.4	7775.7	8109.9	8412.9	8662.1	8868.1
7.5°	5451.1	5879.3	6314.5	6739.5	7139.8	7529.4	7910.6	8265.5	8571.4	8806.1	8989.9
5°	5519.6	5958.0	6401.6	6830.6	7236.5	7627.3	8010.2	8360.6	8659.2	8898.1	9098.4
2.5°	5568.6	6011.1	6457.9	6887.5	7302.4	7694.2	8086.7	8441.0	8730.2	8949.0	9140.9
0°	5600.0	6043.1	6493.4	6933.0	7340.4	7719.2	8140.9	8473.2	8773.4	8991.4	9191.6
-2.5°	5568.6	6011.1	6457.9	6887.5	7302.4	7694.2	8086.7	8441.0	8730.2	8949.0	9140.9
-5°	5519.6	5958.0	6401.6	6830.6	7236.5	7627.3	8010.2	8360.6	8659.2	8898.1	9098.4
-7.5°	5451.1	5879.3	6314.5	6739.5	7139.8	7529.4	7910.6	8265.5	8571.4	8806.1	8989.9
-10°	5358.2	5773.9	6202.4	6626.8	7028.4	7405.4	7775.7	8109.9	8412.9	8662.1	8868.1
-12.5°	5250.7	5654.4	6069.5	6485.6	6882.0	7238.3	7578.9	7894.9	8203.2	8481.6	8666.0
-15°	5124.7	5512.8	5910.7	6302.7	6677.5	7034.3	7359.7	7671.2	7964.7	8212.5	8413.1
-17.5°	4969.0	5353.4	5717.7	6084.8	6440.2	6792.6	7118.2	7416.5	7680.8	7909.9	8107.8
-20°	4785.0	5159.8	5505.8	5850.6	6187.9	6523.8	6844.3	7122.5	7367.5	7583.3	7772.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627161 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4588.3	4938.0	5276.2	5602.3	5922.4	6237.0	6535.5	6799.3	7030.8	7233.5	7404.9
-25°	4377.1	4705.1	5026.9	5336.9	5636.2	5928.0	6200.7	6453.3	6671.8	6865.6	7020.5
-27.5°	4156.1	4461.2	4763.2	5055.5	5335.7	5600.2	5852.8	6084.2	6288.8	6465.4	6616.1
-30°	3922.3	4206.2	4487.7	4761.3	5020.4	5263.9	5495.3	5708.8	5896.2	6058.7	6201.6
-32.5°	3683.9	3946.1	4204.5	4456.9	4696.8	4921.5	5130.5	5332.3	5506.6	5655.1	5782.6
-35°	3437.6	3681.5	3919.0	4148.2	4367.4	4575.8	4768.7	4951.3	5120.8	5255.9	5366.8
-37.5°	3190.4	3412.6	3629.5	3837.9	4038.5	4227.4	4403.5	4564.1	4707.9	4841.3	4949.7
-40°	2944.2	3146.2	3342.0	3528.0	3710.2	3884.6	4047.6	4189.7	4317.1	4434.3	4531.9
-42.5°	2696.8	2881.3	3059.1	3229.6	3389.0	3548.9	3699.7	3834.4	3947.4	4046.0	4128.8
-45°	2452.6	2618.0	2776.7	2933.1	3078.1	3216.3	3350.3	3473.5	3572.6	3659.3	3732.2
-47.5°	2211.3	2358.8	2502.6	2639.4	2771.0	2894.4	3003.0	3101.9	3198.5	3277.2	3339.5
-50°	1978.9	2108.5	2237.3	2356.7	2475.7	2586.7	2687.0	2773.8	2851.3	2918.3	2971.0
-52.5°	1756.8	1870.0	1981.1	2088.5	2192.0	2288.3	2375.9	2450.7	2517.2	2574.3	2619.8
-55°	1553.7	1646.9	1732.5	1826.8	1918.0	2001.0	2074.1	2138.3	2193.9	2240.5	2280.0
-57.5°	1369.0	1443.5	1517.3	1592.1	1662.8	1729.0	1790.9	1845.5	1891.6	1929.5	1961.3
-60°	1198.0	1255.5	1318.7	1378.9	1434.4	1485.0	1535.3	1578.9	1616.1	1647.1	1672.0
-62.5°	1039.0	1089.6	1136.6	1182.3	1227.0	1271.0	1304.8	1335.6	1362.9	1386.5	1405.2
-65°	886.0	927.3	963.9	997.5	1028.3	1060.8	1087.4	1109.7	1127.6	1142.5	1154.4
-67.5°	740.4	772.7	800.9	825.0	848.8	871.2	889.5	904.5	916.1	925.9	933.5
-70°	611.2	635.2	655.5	674.9	694.6	710.4	722.3	731.0	736.5	740.1	742.6
-72.5°	496.4	518.9	537.2	554.4	568.9	579.4	587.0	592.7	596.6	592.7	585.8
-75°	390.6	412.2	433.0	450.7	465.5	472.2	475.6	477.9	479.2	466.4	449.6
-77.5°	299.4	321.4	340.8	358.4	374.6	377.6	377.2	376.3	375.0	357.2	335.6
-80°	210.5	228.0	244.5	260.8	277.0	278.8	277.0	273.6	268.9	251.4	231.6
-82.5°	129.0	139.3	149.1	158.9	168.5	171.0	171.8	171.5	170.1	156.8	142.0
-85°	59.7	63.9	67.9	71.6	75.2	78.6	81.8	84.8	87.5	79.9	71.5
-87.5°	11.7	12.1	12.4	12.7	13.0	13.2	13.4	13.6	13.8	13.1	12.3
-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: P627161 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-735-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°	11.5	10.7	10.7	10.7	10.7	10.7	11.5	12.3	13.1	13.8	13.6
85°	62.6	53.3	50.0	46.5	50.0	53.3	62.6	71.5	79.9	87.5	84.8
82.5°	126.5	110.4	105.3	100.1	105.3	110.4	126.5	142.0	156.8	170.1	171.5
80°	210.7	188.9	180.3	171.5	180.3	188.9	210.7	231.6	251.4	268.9	273.6
77.5°	312.8	288.8	278.5	268.0	278.5	288.8	312.8	335.6	357.2	375.0	376.3
75°	431.9	413.1	401.7	389.5	401.7	413.1	431.9	449.6	466.4	479.2	477.9
72.5°	578.0	568.8	560.5	550.3	560.5	568.8	578.0	585.8	592.7	596.6	592.7
70°	743.5	742.3	743.8	743.3	743.8	742.3	743.5	742.6	740.1	736.5	731.0
67.5°	937.4	937.7	941.7	943.5	941.7	937.7	937.4	933.5	925.9	916.1	904.5
65°	1161.8	1164.6	1163.5	1157.9	1163.5	1164.6	1161.8	1154.4	1142.5	1127.6	1109.7
62.5°	1418.5	1426.2	1430.5	1429.5	1430.5	1426.2	1418.5	1405.2	1386.5	1362.9	1335.6
60°	1690.7	1702.8	1708.8	1708.2	1708.8	1702.8	1690.7	1672.0	1647.1	1616.1	1578.9
57.5°	1985.1	2000.6	2004.2	1997.7	2004.2	2000.6	1985.1	1961.3	1929.5	1891.6	1845.5
55°	2309.8	2329.6	2337.2	2333.6	2337.2	2329.6	2309.8	2280.0	2240.5	2193.9	2138.3
52.5°	2653.2	2674.6	2682.2	2676.7	2682.2	2674.6	2653.2	2619.8	2574.3	2517.2	2450.7
50°	3009.8	3035.7	3046.2	3041.2	3046.2	3035.7	3009.8	2971.0	2918.3	2851.3	2773.8
47.5°	3388.3	3422.9	3436.3	3427.2	3436.3	3422.9	3388.3	3339.5	3277.2	3198.5	3101.9
45°	3786.6	3822.5	3836.3	3827.4	3836.3	3822.5	3786.6	3732.2	3659.3	3572.6	3473.5
42.5°	4192.1	4238.7	4258.3	4242.0	4258.3	4238.7	4192.1	4128.8	4046.0	3947.4	3834.4
40°	4604.7	4655.2	4678.5	4667.3	4678.5	4655.2	4604.7	4531.9	4434.3	4317.1	4189.7
37.5°	5027.9	5078.2	5102.9	5103.2	5102.9	5078.2	5027.9	4949.7	4841.3	4707.9	4564.1
35°	5452.7	5513.6	5548.1	5546.4	5548.1	5513.6	5452.7	5366.8	5255.9	5120.8	4951.3
32.5°	5883.4	5949.3	5984.5	5989.5	5984.5	5949.3	5883.4	5782.6	5655.1	5506.6	5332.3
30°	6313.4	6385.9	6426.7	6443.4	6426.7	6385.9	6313.4	6201.6	6058.7	5896.2	5708.8
27.5°	6730.4	6819.6	6881.1	6886.5	6881.1	6819.6	6730.4	6616.1	6465.4	6288.8	6084.2
25°	7134.2	7225.0	7288.2	7301.1	7288.2	7225.0	7134.2	7020.5	6865.6	6671.8	6453.3
22.5°	7532.3	7627.2	7685.5	7708.5	7685.5	7627.2	7532.3	7404.9	7233.5	7030.8	6799.3
20°	7912.2	8015.1	8077.0	8101.6	8077.0	8015.1	7912.2	7772.3	7583.3	7367.5	7122.5
17.5°	8256.0	8364.7	8441.1	8462.5	8441.1	8364.7	8256.0	8107.8	7909.9	7680.8	7416.5
15°	8558.5	8661.6	8734.1	8762.7	8734.1	8661.6	8558.5	8413.1	8212.5	7964.7	7671.2
12.5°	8804.7	8897.0	8953.8	8980.7	8953.8	8897.0	8804.7	8666.0	8481.6	8203.2	7894.9
10°	8997.1	9089.7	9143.8	9180.8	9143.8	9089.7	8997.1	8868.1	8662.1	8412.9	8109.9
7.5°	9164.1	9258.9	9325.2	9377.4	9325.2	9258.9	9164.1	8989.9	8806.1	8571.4	8265.5
5°	9256.2	9414.6	9438.4	9473.9	9438.4	9414.6	9256.2	9098.4	8898.1	8659.2	8360.6
2.5°	9326.5	9438.8	9506.3	9498.9	9506.3	9438.8	9326.5	9140.9	8949.0	8730.2	8441.0
0°	9377.4	9477.5	9502.5	9534.6	9502.5	9477.5	9377.4	9191.6	8991.4	8773.4	8473.2
-2.5°	9326.5	9438.8	9506.3	9498.9	9506.3	9438.8	9326.5	9140.9	8949.0	8730.2	8441.0
-5°	9256.2	9414.6	9438.4	9473.9	9438.4	9414.6	9256.2	9098.4	8898.1	8659.2	8360.6
-7.5°	9164.1	9258.9	9325.2	9377.4	9325.2	9258.9	9164.1	8989.9	8806.1	8571.4	8265.5
-10°	8997.1	9089.7	9143.8	9180.8	9143.8	9089.7	8997.1	8868.1	8662.1	8412.9	8109.9
-12.5°	8804.7	8897.0	8953.8	8980.7	8953.8	8897.0	8804.7	8666.0	8481.6	8203.2	7894.9
-15°	8558.5	8661.6	8734.1	8762.7	8734.1	8661.6	8558.5	8413.1	8212.5	7964.7	7671.2
-17.5°	8256.0	8364.7	8441.1	8462.5	8441.1	8364.7	8256.0	8107.8	7909.9	7680.8	7416.5
-20°	7912.2	8015.1	8077.0	8101.6	8077.0	8015.1	7912.2	7772.3	7583.3	7367.5	7122.5



REPORT NUMBER: P627161 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-735-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°	7532.3	7627.2	7685.5	7708.5	7685.5	7627.2	7532.3	7404.9	7233.5	7030.8	6799.3
-25°	7134.2	7225.0	7288.2	7301.1	7288.2	7225.0	7134.2	7020.5	6865.6	6671.8	6453.3
-27.5°	6730.4	6819.6	6881.1	6886.5	6881.1	6819.6	6730.4	6616.1	6465.4	6288.8	6084.2
-30°	6313.4	6385.9	6426.7	6443.4	6426.7	6385.9	6313.4	6201.6	6058.7	5896.2	5708.8
-32.5°	5883.4	5949.3	5984.5	5989.5	5984.5	5949.3	5883.4	5782.6	5655.1	5506.6	5332.3
-35°	5452.7	5513.6	5548.1	5546.4	5548.1	5513.6	5452.7	5366.8	5255.9	5120.8	4951.3
-37.5°	5027.9	5078.2	5102.9	5103.2	5102.9	5078.2	5027.9	4949.7	4841.3	4707.9	4564.1
-40°	4604.7	4655.2	4678.5	4667.3	4678.5	4655.2	4604.7	4531.9	4434.3	4317.1	4189.7
-42.5°	4192.1	4238.7	4258.3	4242.0	4258.3	4238.7	4192.1	4128.8	4046.0	3947.4	3834.4
-45°	3786.6	3822.5	3836.3	3827.4	3836.3	3822.5	3786.6	3732.2	3659.3	3572.6	3473.5
-47.5°	3388.3	3422.9	3436.3	3427.2	3436.3	3422.9	3388.3	3339.5	3277.2	3198.5	3101.9
-50°	3009.8	3035.7	3046.2	3041.2	3046.2	3035.7	3009.8	2971.0	2918.3	2851.3	2773.8
-52.5°	2653.2	2674.6	2682.2	2676.7	2682.2	2674.6	2653.2	2619.8	2574.3	2517.2	2450.7
-55°	2309.8	2329.6	2337.2	2333.6	2337.2	2329.6	2309.8	2280.0	2240.5	2193.9	2138.3
-57.5°	1985.1	2000.6	2004.2	1997.7	2004.2	2000.6	1985.1	1961.3	1929.5	1891.6	1845.5
-60°	1690.7	1702.8	1708.8	1708.2	1708.8	1702.8	1690.7	1672.0	1647.1	1616.1	1578.9
-62.5°	1418.5	1426.2	1430.5	1429.5	1430.5	1426.2	1418.5	1405.2	1386.5	1362.9	1335.6
-65°	1161.8	1164.6	1163.5	1157.9	1163.5	1164.6	1161.8	1154.4	1142.5	1127.6	1109.7
-67.5°	937.4	937.7	941.7	943.5	941.7	937.7	937.4	933.5	925.9	916.1	904.5
-70°	743.5	742.3	743.8	743.3	743.8	742.3	743.5	742.6	740.1	736.5	731.0
-72.5°	578.0	568.8	560.5	550.3	560.5	568.8	578.0	585.8	592.7	596.6	592.7
-75°	431.9	413.1	401.7	389.5	401.7	413.1	431.9	449.6	466.4	479.2	477.9
-77.5°	312.8	288.8	278.5	268.0	278.5	288.8	312.8	335.6	357.2	375.0	376.3
-80°	210.7	188.9	180.3	171.5	180.3	188.9	210.7	231.6	251.4	268.9	273.6
-82.5°	126.5	110.4	105.3	100.1	105.3	110.4	126.5	142.0	156.8	170.1	171.5
-85°	62.6	53.3	50.0	46.5	50.0	53.3	62.6	71.5	79.9	87.5	84.8
-87.5°	11.5	10.7	10.7	10.7	10.7	10.7	11.5	12.3	13.1	13.8	13.6
-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: P627161 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-735-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°	13.4	13.2	13.0	12.7	12.4	12.1	11.7	11.3	11.0	10.5	10.1
85°	81.8	78.6	75.2	71.6	67.9	63.9	59.7	52.4	45.5	39.2	33.7
82.5°	171.8	171.0	168.5	158.9	149.1	139.3	129.0	113.5	98.4	83.7	70.9
80°	277.0	278.8	277.0	260.8	244.5	228.0	210.5	187.9	165.2	143.5	127.2
77.5°	377.2	377.6	374.6	358.4	340.8	321.4	299.4	272.3	245.1	217.8	196.9
75°	475.6	472.2	465.5	450.7	433.0	412.2	390.6	366.8	339.0	307.0	279.7
72.5°	587.0	579.4	568.9	554.4	537.2	518.9	496.4	470.1	441.0	409.1	380.1
70°	722.3	710.4	694.6	674.9	655.5	635.2	611.2	582.2	548.4	513.1	480.9
67.5°	889.5	871.2	848.8	825.0	800.9	772.7	740.4	705.0	670.1	631.0	586.8
65°	1087.4	1060.8	1028.3	997.5	963.9	927.3	886.0	845.0	802.2	755.2	699.2
62.5°	1304.8	1271.0	1227.0	1182.3	1136.6	1089.6	1039.0	988.7	937.5	882.2	819.1
60°	1535.3	1485.0	1434.4	1378.9	1318.7	1255.5	1198.0	1136.8	1072.2	1009.5	940.4
57.5°	1790.9	1729.0	1662.8	1592.1	1517.3	1443.5	1369.0	1292.0	1218.9	1142.6	1064.3
55°	2074.1	2001.0	1918.0	1826.8	1732.5	1646.9	1553.7	1460.4	1372.3	1279.6	1193.3
52.5°	2375.9	2288.3	2192.0	2088.5	1981.1	1870.0	1756.8	1649.6	1534.9	1430.0	1325.7
50°	2687.0	2586.7	2475.7	2356.7	2237.3	2108.5	1978.9	1850.1	1720.2	1591.6	1466.6
47.5°	3003.0	2894.4	2771.0	2639.4	2502.6	2358.8	2211.3	2056.3	1912.6	1763.4	1621.5
45°	3350.3	3216.3	3078.1	2933.1	2776.7	2618.0	2452.6	2282.9	2110.0	1945.9	1779.5
42.5°	3699.7	3548.9	3389.0	3229.6	3059.1	2881.3	2696.8	2509.8	2319.8	2130.6	1948.7
40°	4047.6	3884.6	3710.2	3528.0	3342.0	3146.2	2944.2	2736.2	2529.9	2321.8	2116.0
37.5°	4403.5	4227.4	4038.5	3837.9	3629.5	3412.6	3190.4	2965.2	2737.7	2513.8	2290.6
35°	4768.7	4575.8	4367.4	4148.2	3919.0	3681.5	3437.6	3191.0	2946.3	2704.1	2462.3
32.5°	5130.5	4921.5	4696.8	4456.9	4204.5	3946.1	3683.9	3417.6	3149.7	2891.1	2633.6
30°	5495.3	5263.9	5020.4	4761.3	4487.7	4206.2	3922.3	3640.2	3354.6	3070.0	2797.7
27.5°	5852.8	5600.2	5335.7	5055.5	4763.2	4461.2	4156.1	3855.0	3550.4	3247.9	2954.2
25°	6200.7	5928.0	5636.2	5336.9	5026.9	4705.1	4377.1	4058.5	3740.5	3416.8	3094.7
22.5°	6535.5	6237.0	5922.4	5602.3	5276.2	4938.0	4588.3	4245.0	3915.9	3568.2	3231.6
20°	6844.3	6523.8	6187.9	5850.6	5505.8	5159.8	4785.0	4419.8	4065.8	3708.9	3355.8
17.5°	7118.2	6792.6	6440.2	6084.8	5717.7	5353.4	4969.0	4579.0	4203.9	3833.9	3465.0
15°	7359.7	7034.3	6677.5	6302.7	5910.7	5512.8	5124.7	4719.6	4329.7	3944.5	3566.0
12.5°	7578.9	7238.3	6882.0	6485.6	6069.5	5654.4	5250.7	4842.8	4441.5	4045.5	3656.9
10°	7775.7	7405.4	7028.4	6626.8	6202.4	5773.9	5358.2	4946.5	4536.8	4132.1	3731.9
7.5°	7910.6	7529.4	7139.8	6739.5	6314.5	5879.3	5451.1	5029.7	4611.0	4201.1	3790.3
5°	8010.2	7627.3	7236.5	6830.6	6401.6	5958.0	5519.6	5090.1	4663.9	4251.5	3831.9
2.5°	8086.7	7694.2	7302.4	6887.5	6457.9	6011.1	5568.6	5135.5	4705.8	4288.5	3868.8
0°	8140.9	7719.2	7340.4	6933.0	6493.4	6043.1	5600.0	5164.0	4731.6	4306.3	3888.2
-2.5°	8086.7	7694.2	7302.4	6887.5	6457.9	6011.1	5568.6	5135.5	4705.8	4288.5	3868.8
-5°	8010.2	7627.3	7236.5	6830.6	6401.6	5958.0	5519.6	5090.1	4663.9	4251.5	3831.9
-7.5°	7910.6	7529.4	7139.8	6739.5	6314.5	5879.3	5451.1	5029.7	4611.0	4201.1	3790.3
-10°	7775.7	7405.4	7028.4	6626.8	6202.4	5773.9	5358.2	4946.5	4536.8	4132.1	3731.9
-12.5°	7578.9	7238.3	6882.0	6485.6	6069.5	5654.4	5250.7	4842.8	4441.5	4045.5	3656.9
-15°	7359.7	7034.3	6677.5	6302.7	5910.7	5512.8	5124.7	4719.6	4329.7	3944.5	3566.0
-17.5°	7118.2	6792.6	6440.2	6084.8	5717.7	5353.4	4969.0	4579.0	4203.9	3833.9	3465.0
-20°	6844.3	6523.8	6187.9	5850.6	5505.8	5159.8	4785.0	4419.8	4065.8	3708.9	3355.8



REPORT NUMBER: P627161 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6535.5	6237.0	5922.4	5602.3	5276.2	4938.0	4588.3	4245.0	3915.9	3568.2	3231.6
-25°	6200.7	5928.0	5636.2	5336.9	5026.9	4705.1	4377.1	4058.5	3740.5	3416.8	3094.7
-27.5°	5852.8	5600.2	5335.7	5055.5	4763.2	4461.2	4156.1	3855.0	3550.4	3247.9	2954.2
-30°	5495.3	5263.9	5020.4	4761.3	4487.7	4206.2	3922.3	3640.2	3354.6	3070.0	2797.7
-32.5°	5130.5	4921.5	4696.8	4456.9	4204.5	3946.1	3683.9	3417.6	3149.7	2891.1	2633.6
-35°	4768.7	4575.8	4367.4	4148.2	3919.0	3681.5	3437.6	3191.0	2946.3	2704.1	2462.3
-37.5°	4403.5	4227.4	4038.5	3837.9	3629.5	3412.6	3190.4	2965.2	2737.7	2513.8	2290.6
-40°	4047.6	3884.6	3710.2	3528.0	3342.0	3146.2	2944.2	2736.2	2529.9	2321.8	2116.0
-42.5°	3699.7	3548.9	3389.0	3229.6	3059.1	2881.3	2696.8	2509.8	2319.8	2130.6	1948.7
-45°	3350.3	3216.3	3078.1	2933.1	2776.7	2618.0	2452.6	2282.9	2110.0	1945.9	1779.5
-47.5°	3003.0	2894.4	2771.0	2639.4	2502.6	2358.8	2211.3	2056.3	1912.6	1763.4	1621.5
-50°	2687.0	2586.7	2475.7	2356.7	2237.3	2108.5	1978.9	1850.1	1720.2	1591.6	1466.6
-52.5°	2375.9	2288.3	2192.0	2088.5	1981.1	1870.0	1756.8	1649.6	1534.9	1430.0	1325.7
-55°	2074.1	2001.0	1918.0	1826.8	1732.5	1646.9	1553.7	1460.4	1372.3	1279.6	1193.3
-57.5°	1790.9	1729.0	1662.8	1592.1	1517.3	1443.5	1369.0	1292.0	1218.9	1142.6	1064.3
-60°	1535.3	1485.0	1434.4	1378.9	1318.7	1255.5	1198.0	1136.8	1072.2	1009.5	940.4
-62.5°	1304.8	1271.0	1227.0	1182.3	1136.6	1089.6	1039.0	988.7	937.5	882.2	819.1
-65°	1087.4	1060.8	1028.3	997.5	963.9	927.3	886.0	845.0	802.2	755.2	699.2
-67.5°	889.5	871.2	848.8	825.0	800.9	772.7	740.4	705.0	670.1	631.0	586.8
-70°	722.3	710.4	694.6	674.9	655.5	635.2	611.2	582.2	548.4	513.1	480.9
-72.5°	587.0	579.4	568.9	554.4	537.2	518.9	496.4	470.1	441.0	409.1	380.1
-75°	475.6	472.2	465.5	450.7	433.0	412.2	390.6	366.8	339.0	307.0	279.7
-77.5°	377.2	377.6	374.6	358.4	340.8	321.4	299.4	272.3	245.1	217.8	196.9
-80°	277.0	278.8	277.0	260.8	244.5	228.0	210.5	187.9	165.2	143.5	127.2
-82.5°	171.8	171.0	168.5	158.9	149.1	139.3	129.0	113.5	98.4	83.7	70.9
-85°	81.8	78.6	75.2	71.6	67.9	63.9	59.7	52.4	45.5	39.2	33.7
-87.5°	13.4	13.2	13.0	12.7	12.4	12.1	11.7	11.3	11.0	10.5	10.1
-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: P627161 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3C-735-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°	10.3	10.4	10.4	10.3	9.1	8.0	7.0	6.0	5.5	4.9	4.3
85°	33.8	33.0	31.2	28.3	22.3	16.1	14.0	12.1	10.9	9.8	8.6
82.5°	70.6	71.3	71.2	69.1	61.0	52.4	43.5	34.2	25.3	16.1	12.9
80°	127.4	126.0	123.0	117.2	103.8	88.7	77.4	65.6	54.1	42.1	29.6
77.5°	192.6	187.2	180.4	172.7	158.6	141.9	122.8	101.1	82.8	68.0	52.7
75°	265.5	256.8	247.3	234.6	216.4	195.6	174.6	149.3	121.2	94.7	75.5
72.5°	356.9	335.7	316.8	298.9	279.2	256.0	229.2	196.6	162.5	130.3	100.0
70°	449.5	417.7	389.3	365.0	341.3	316.9	287.5	247.3	203.0	165.1	129.5
67.5°	543.6	506.0	467.9	431.5	401.6	372.9	344.5	297.8	247.0	199.1	158.3
65°	647.4	597.2	548.9	503.9	463.2	427.4	394.0	345.1	289.7	235.9	186.3
62.5°	754.3	690.2	633.0	575.7	525.0	481.4	441.4	387.4	330.5	271.4	215.5
60°	866.6	793.7	717.7	650.8	588.6	533.5	484.9	429.1	368.7	305.6	244.5
57.5°	984.9	899.2	813.9	729.2	654.6	588.4	527.4	468.6	406.3	339.3	271.6
55°	1104.8	1012.5	911.6	816.2	724.6	645.8	572.3	506.5	442.5	372.4	294.9
52.5°	1224.9	1123.4	1015.1	904.9	802.4	703.9	621.6	543.5	475.9	404.8	319.2
50°	1350.5	1234.2	1118.0	999.0	879.8	771.8	669.3	585.8	508.3	435.6	342.2
47.5°	1481.2	1351.6	1222.4	1092.3	964.4	836.9	725.0	627.3	539.6	463.5	363.7
45°	1624.4	1472.8	1329.8	1189.2	1044.6	907.2	781.4	667.0	575.1	485.1	383.5
42.5°	1767.5	1600.8	1441.0	1284.6	1128.4	977.0	834.8	713.7	609.0	505.9	401.6
40°	1919.8	1729.3	1552.1	1382.4	1210.4	1043.4	893.9	759.3	640.8	527.4	418.8
37.5°	2067.8	1861.0	1666.3	1475.8	1290.6	1115.1	950.8	802.0	670.9	551.6	435.2
35°	2224.5	1993.3	1771.8	1569.8	1373.2	1183.1	1004.1	845.1	705.7	575.2	450.5
32.5°	2375.8	2122.6	1885.2	1662.5	1452.2	1247.2	1058.9	890.7	739.1	598.1	464.9
30°	2524.6	2252.5	1993.7	1750.2	1528.6	1314.4	1113.8	933.3	771.0	620.2	479.3
27.5°	2661.8	2372.7	2097.8	1840.8	1603.7	1378.2	1165.7	972.8	801.3	642.9	496.0
25°	2789.6	2488.4	2200.4	1928.1	1673.4	1438.7	1213.5	1009.4	832.1	666.6	511.6
22.5°	2909.4	2595.9	2293.4	2008.4	1738.0	1494.2	1260.1	1048.3	861.3	688.4	525.8
20°	3018.4	2692.6	2376.6	2081.2	1800.8	1547.0	1305.0	1083.2	887.3	708.2	538.6
17.5°	3116.5	2781.0	2456.1	2149.3	1859.3	1594.0	1344.8	1114.0	910.2	725.9	549.9
15°	3207.6	2861.4	2526.4	2208.7	1910.0	1634.9	1379.5	1140.6	929.8	741.2	560.6
12.5°	3285.9	2930.4	2586.0	2259.2	1952.6	1669.5	1408.8	1162.8	946.1	755.1	570.7
10°	3350.4	2987.3	2634.7	2300.4	1987.2	1697.7	1432.6	1181.5	961.4	767.1	578.5
7.5°	3400.6	3032.0	2672.2	2332.3	2014.5	1721.3	1452.9	1197.7	973.7	776.3	583.9
5°	3438.7	3066.8	2704.8	2359.0	2039.7	1740.3	1467.7	1209.3	982.7	782.6	587.0
2.5°	3472.4	3092.9	2730.4	2376.3	2056.8	1752.7	1476.5	1216.3	988.1	785.9	587.7
0°	3491.5	3105.5	2744.6	2383.7	2065.6	1758.3	1479.5	1218.6	989.9	786.2	586.1
-2.5°	3472.4	3092.9	2730.4	2376.3	2056.8	1752.7	1476.5	1216.3	988.1	785.9	587.7
-5°	3438.7	3066.8	2704.8	2359.0	2039.7	1740.3	1467.7	1209.3	982.7	782.6	587.0
-7.5°	3400.6	3032.0	2672.2	2332.3	2014.5	1721.3	1452.9	1197.7	973.7	776.3	583.9
-10°	3350.4	2987.3	2634.7	2300.4	1987.2	1697.7	1432.6	1181.5	961.4	767.1	578.5
-12.5°	3285.9	2930.4	2586.0	2259.2	1952.6	1669.5	1408.8	1162.8	946.1	755.1	570.7
-15°	3207.6	2861.4	2526.4	2208.7	1910.0	1634.9	1379.5	1140.6	929.8	741.2	560.6
-17.5°	3116.5	2781.0	2456.1	2149.3	1859.3	1594.0	1344.8	1114.0	910.2	725.9	549.9
-20°	3018.4	2692.6	2376.6	2081.2	1800.8	1547.0	1305.0	1083.2	887.3	708.2	538.6



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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°	2909.4	2595.9	2293.4	2008.4	1738.0	1494.2	1260.1	1048.3	861.3	688.4	525.8
-25°	2789.6	2488.4	2200.4	1928.1	1673.4	1438.7	1213.5	1009.4	832.1	666.6	511.6
-27.5°	2661.8	2372.7	2097.8	1840.8	1603.7	1378.2	1165.7	972.8	801.3	642.9	496.0
-30°	2524.6	2252.5	1993.7	1750.2	1528.6	1314.4	1113.8	933.3	771.0	620.2	479.3
-32.5°	2375.8	2122.6	1885.2	1662.5	1452.2	1247.2	1058.9	890.7	739.1	598.1	464.9
-35°	2224.5	1993.3	1771.8	1569.8	1373.2	1183.1	1004.1	845.1	705.7	575.2	450.5
-37.5°	2067.8	1861.0	1666.3	1475.8	1290.6	1115.1	950.8	802.0	670.9	551.6	435.2
-40°	1919.8	1729.3	1552.1	1382.4	1210.4	1043.4	893.9	759.3	640.8	527.4	418.8
-42.5°	1767.5	1600.8	1441.0	1284.6	1128.4	977.0	834.8	713.7	609.0	505.9	401.6
-45°	1624.4	1472.8	1329.8	1189.2	1044.6	907.2	781.4	667.0	575.1	485.1	383.5
-47.5°	1481.2	1351.6	1222.4	1092.3	964.4	836.9	725.0	627.3	539.6	463.5	363.7
-50°	1350.5	1234.2	1118.0	999.0	879.8	771.8	669.3	585.8	508.3	435.6	342.2
-52.5°	1224.9	1123.4	1015.1	904.9	802.4	703.9	621.6	543.5	475.9	404.8	319.2
-55°	1104.8	1012.5	911.6	816.2	724.6	645.8	572.3	506.5	442.5	372.4	294.9
-57.5°	984.9	899.2	813.9	729.2	654.6	588.4	527.4	468.6	406.3	339.3	271.6
-60°	866.6	793.7	717.7	650.8	588.6	533.5	484.9	429.1	368.7	305.6	244.5
-62.5°	754.3	690.2	633.0	575.7	525.0	481.4	441.4	387.4	330.5	271.4	215.5
-65°	647.4	597.2	548.9	503.9	463.2	427.4	394.0	345.1	289.7	235.9	186.3
-67.5°	543.6	506.0	467.9	431.5	401.6	372.9	344.5	297.8	247.0	199.1	158.3
-70°	449.5	417.7	389.3	365.0	341.3	316.9	287.5	247.3	203.0	165.1	129.5
-72.5°	356.9	335.7	316.8	298.9	279.2	256.0	229.2	196.6	162.5	130.3	100.0
-75°	265.5	256.8	247.3	234.6	216.4	195.6	174.6	149.3	121.2	94.7	75.5
-77.5°	192.6	187.2	180.4	172.7	158.6	141.9	122.8	101.1	82.8	68.0	52.7
-80°	127.4	126.0	123.0	117.2	103.8	88.7	77.4	65.6	54.1	42.1	29.6
-82.5°	70.6	71.3	71.2	69.1	61.0	52.4	43.5	34.2	25.3	16.1	12.9
-85°	33.8	33.0	31.2	28.3	22.3	16.1	14.0	12.1	10.9	9.8	8.6
-87.5°	10.3	10.4	10.4	10.3	9.1	8.0	7.0	6.0	5.5	4.9	4.3
-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):

	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°	3.7	3.1	2.5	1.9	1.2	0.5	0.0
85°	7.4	6.2	5.0	3.7	2.5	1.1	0.0
82.5°	11.1	9.3	7.4	5.6	3.7	1.6	0.0
80°	16.7	12.3	9.9	7.4	4.9	2.2	0.0
77.5°	36.3	19.3	12.3	9.3	6.1	2.7	0.0
75°	55.4	33.4	16.1	11.1	7.3	3.2	0.0
72.5°	74.0	47.1	25.6	12.9	8.5	3.7	0.0
70°	92.5	60.3	34.8	15.4	9.6	4.2	0.0
67.5°	114.8	73.0	43.7	21.1	10.7	4.7	0.0
65°	136.1	87.1	52.1	26.6	11.8	5.2	0.0
62.5°	156.3	102.6	60.1	31.8	12.8	5.7	0.0
60°	175.4	117.3	67.7	36.8	13.8	6.1	0.0
57.5°	195.5	131.1	77.7	41.4	16.6	6.6	0.0
55°	214.5	144.0	87.3	45.8	19.3	7.0	0.0
52.5°	232.1	156.2	96.2	49.8	21.9	7.4	0.0
50°	248.2	169.1	104.4	53.4	24.4	7.8	0.0
47.5°	263.3	180.9	111.9	57.2	26.8	8.1	0.0
45°	280.1	191.5	118.6	62.2	29.1	8.5	0.0
42.5°	295.5	201.0	124.6	66.7	31.2	8.8	0.0
40°	309.5	209.3	130.6	71.3	33.2	9.1	0.0
37.5°	322.0	216.3	136.5	75.8	35.1	9.4	0.0
35°	333.0	224.5	141.6	80.1	36.9	9.6	0.0
32.5°	343.2	232.7	145.8	84.0	38.5	9.8	0.0
30°	353.8	239.6	149.2	87.6	40.0	10.0	0.0
27.5°	363.4	245.4	154.3	90.8	41.3	10.2	0.0
25°	371.8	250.0	159.1	93.7	42.5	10.4	0.0
22.5°	378.9	254.6	163.3	96.2	43.6	10.5	0.0
20°	384.9	260.9	167.0	98.4	44.5	10.6	0.0
17.5°	392.3	266.1	170.0	100.3	45.2	10.7	0.0
15°	400.0	270.1	172.5	101.8	45.8	10.8	0.0
12.5°	406.3	273.0	174.4	103.0	46.3	10.8	0.0
10°	411.1	274.8	175.7	103.8	46.6	10.8	0.0
7.5°	414.3	275.5	176.4	104.2	46.8	10.8	0.0
5°	416.0	275.2	176.5	104.4	46.8	10.8	0.0
2.5°	416.1	273.9	176.1	104.1	46.7	10.8	0.0
0°	414.5	271.6	175.1	103.6	46.5	10.7	0.0
-2.5°	416.1	273.9	176.1	104.1	46.7	10.8	0.0
-5°	416.0	275.2	176.5	104.4	46.8	10.8	0.0
-7.5°	414.3	275.5	176.4	104.2	46.8	10.8	0.0
-10°	411.1	274.8	175.7	103.8	46.6	10.8	0.0
-12.5°	406.3	273.0	174.4	103.0	46.3	10.8	0.0
-15°	400.0	270.1	172.5	101.8	45.8	10.8	0.0
-17.5°	392.3	266.1	170.0	100.3	45.2	10.7	0.0
-20°	384.9	260.9	167.0	98.4	44.5	10.6	0.0

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CATALOG NUMBER: GFLD-SA3C-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	378.9	254.6	163.3	96.2	43.6	10.5	0.0
-25°	371.8	250.0	159.1	93.7	42.5	10.4	0.0
-27.5°	363.4	245.4	154.3	90.8	41.3	10.2	0.0
-30°	353.8	239.6	149.2	87.6	40.0	10.0	0.0
-32.5°	343.2	232.7	145.8	84.0	38.5	9.8	0.0
-35°	333.0	224.5	141.6	80.1	36.9	9.6	0.0
-37.5°	322.0	216.3	136.5	75.8	35.1	9.4	0.0
-40°	309.5	209.3	130.6	71.3	33.2	9.1	0.0
-42.5°	295.5	201.0	124.6	66.7	31.2	8.8	0.0
-45°	280.1	191.5	118.6	62.2	29.1	8.5	0.0
-47.5°	263.3	180.9	111.9	57.2	26.8	8.1	0.0
-50°	248.2	169.1	104.4	53.4	24.4	7.8	0.0
-52.5°	232.1	156.2	96.2	49.8	21.9	7.4	0.0
-55°	214.5	144.0	87.3	45.8	19.3	7.0	0.0
-57.5°	195.5	131.1	77.7	41.4	16.6	6.6	0.0
-60°	175.4	117.3	67.7	36.8	13.8	6.1	0.0
-62.5°	156.3	102.6	60.1	31.8	12.8	5.7	0.0
-65°	136.1	87.1	52.1	26.6	11.8	5.2	0.0
-67.5°	114.8	73.0	43.7	21.1	10.7	4.7	0.0
-70°	92.5	60.3	34.8	15.4	9.6	4.2	0.0
-72.5°	74.0	47.1	25.6	12.9	8.5	3.7	0.0
-75°	55.4	33.4	16.1	11.1	7.3	3.2	0.0
-77.5°	36.3	19.3	12.3	9.3	6.1	2.7	0.0
-80°	16.7	12.3	9.9	7.4	4.9	2.2	0.0
-82.5°	11.1	9.3	7.4	5.6	3.7	1.6	0.0
-85°	7.4	6.2	5.0	3.7	2.5	1.1	0.0
-87.5°	3.7	3.1	2.5	1.9	1.2	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)