

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: P627341 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4B-735-U-VWR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627341 (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-SA4B-735-U-VWR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N97  
Light Source: (64) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

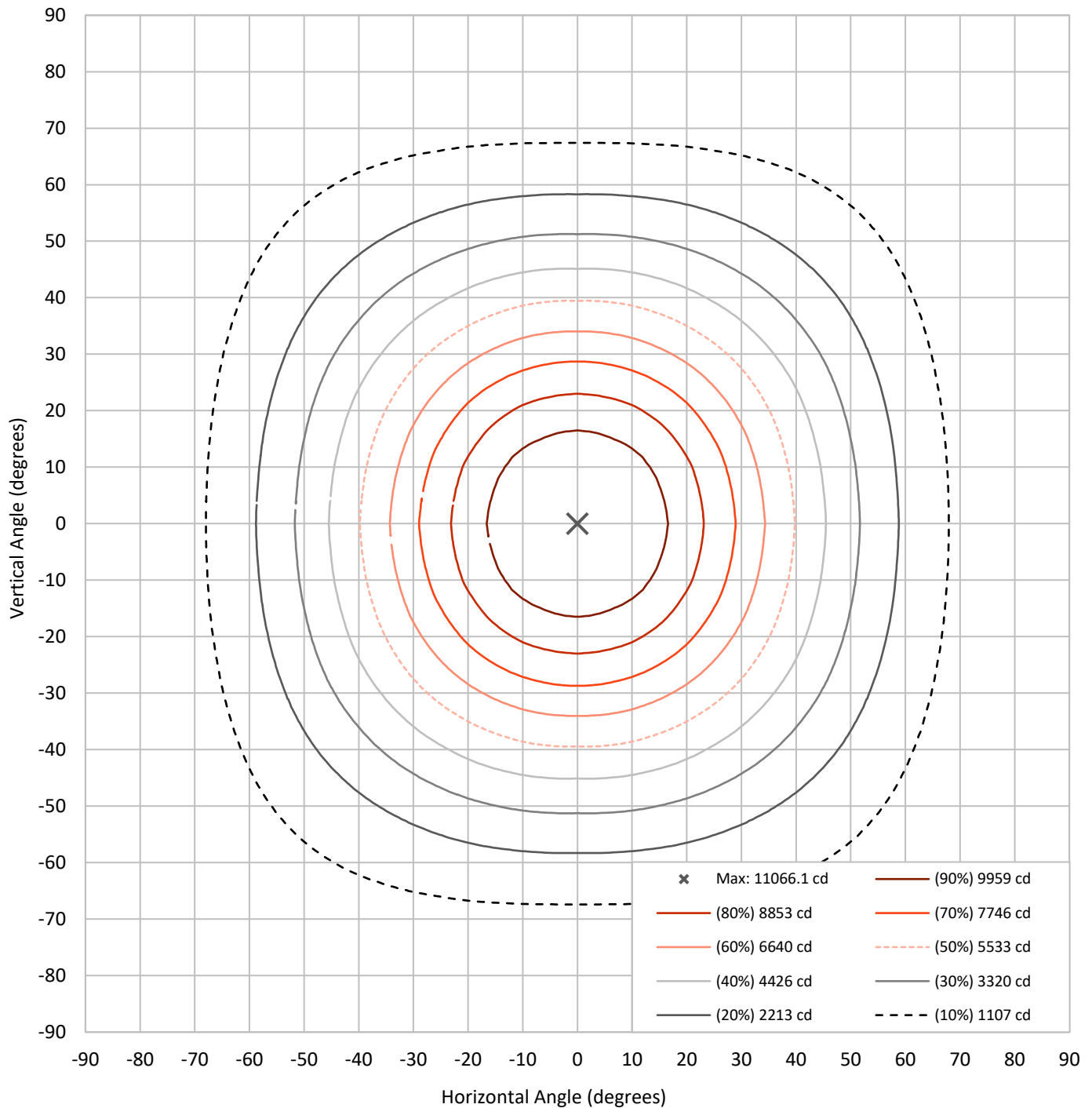
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	20000.9 lumens	Max Intensity:	11066.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	154.4 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' 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:	11730.7 lumens	Field Lumens:	19067.5 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	129.5		
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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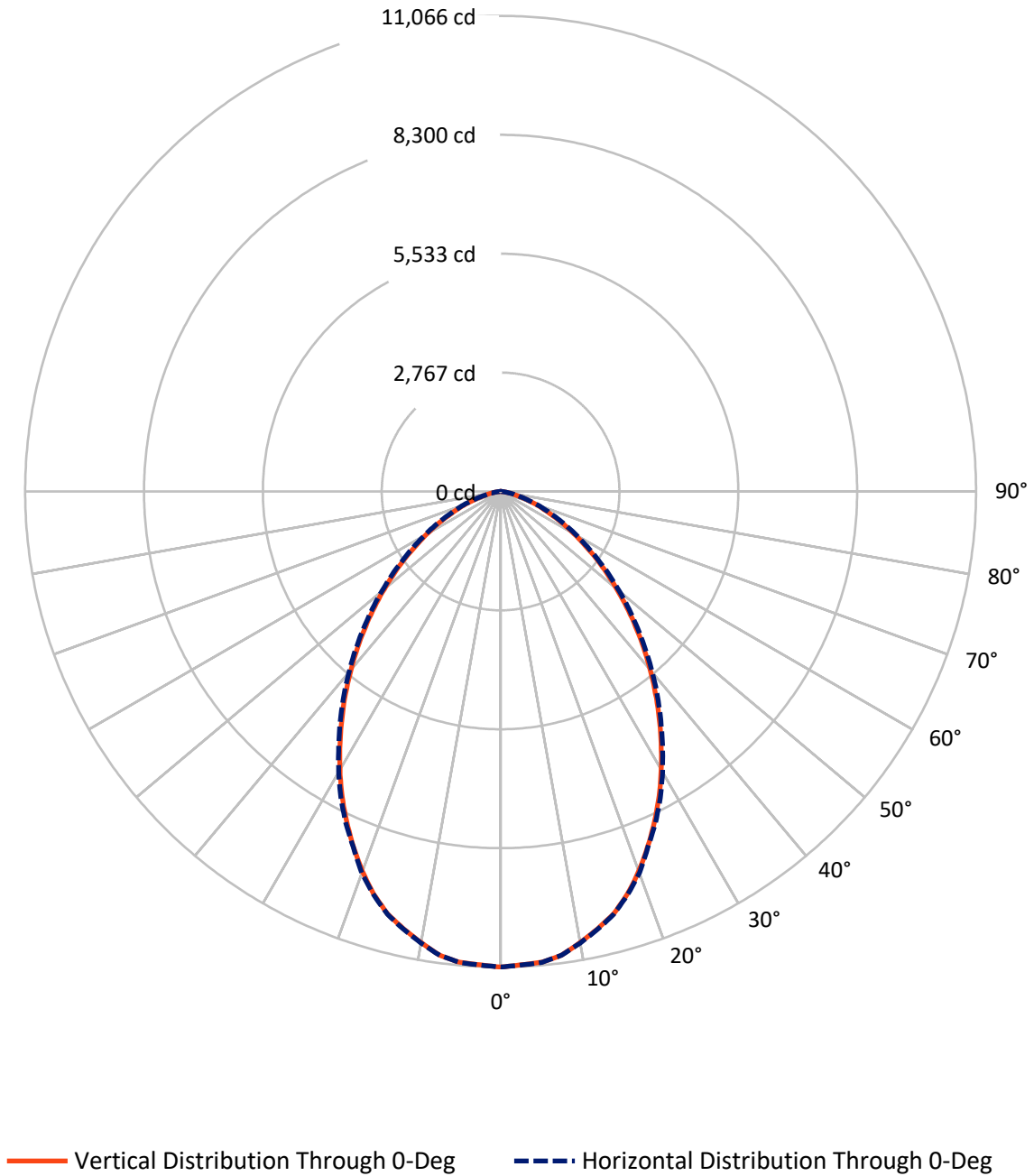
### Iso-Candela Plot





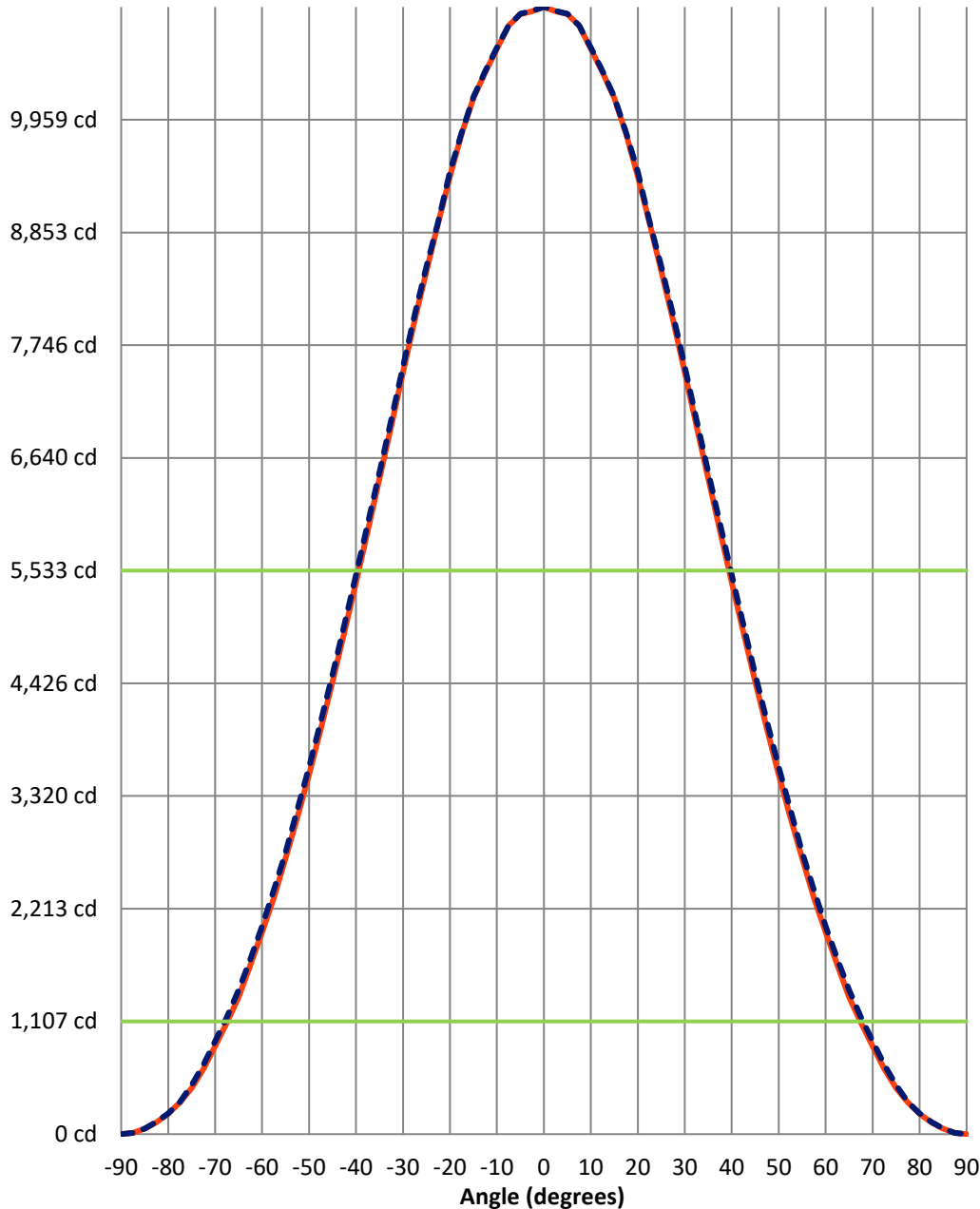
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 79.6°  
 V Angle: 78.9°  
 Lumens: 11730.7  
 Efficiency: 58.7%

**Field:**  
 H Angle: 135.9°  
 V Angle: 134.8°  
 Lumens: 19067.5  
 Efficiency: 95.3%

**Spill:**  
 Lumens: 933.5  
 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	0.6	1.4	2.2	2.9	3.6	4.3	5.0	5.7	6.4	7.0
85°	0.0	1.3	2.9	4.3	5.8	7.2	8.6	10.0	11.3	12.7	14.0
82.5°	0.0	1.9	4.3	6.5	8.6	10.7	12.9	14.9	18.7	29.4	39.7
80°	0.0	2.5	5.7	8.6	11.5	14.3	19.3	34.4	48.9	62.9	76.2
77.5°	0.0	3.1	7.1	10.7	14.3	22.4	42.1	61.1	79.0	96.1	117.4
75°	0.0	3.7	8.5	12.9	18.6	38.8	64.3	87.6	109.9	140.7	173.3
72.5°	0.0	4.3	9.9	14.9	29.7	54.7	85.9	116.1	151.2	188.6	228.2
70°	0.0	4.9	11.2	17.9	40.4	70.0	107.4	150.3	191.6	235.6	287.1
67.5°	0.0	5.5	12.4	24.5	50.7	84.7	133.2	183.7	231.1	286.7	345.6
65°	0.0	6.0	13.7	30.9	60.5	101.1	158.0	216.2	273.7	336.2	400.5
62.5°	0.0	6.6	14.9	36.9	69.8	119.1	181.4	250.1	315.0	383.6	449.6
60°	0.0	7.1	16.0	42.7	78.5	136.2	203.6	283.8	354.7	427.9	497.9
57.5°	0.0	7.6	19.3	48.1	90.2	152.2	226.8	315.2	393.8	471.5	543.8
55°	0.0	8.1	22.4	53.1	101.3	167.1	248.9	342.3	432.3	513.6	587.8
52.5°	0.0	8.6	25.4	57.7	111.6	181.2	269.3	370.5	469.9	552.3	630.7
50°	0.0	9.0	28.3	62.0	121.1	196.2	288.1	397.2	505.5	589.9	679.9
47.5°	0.0	9.4	31.1	66.4	129.8	209.9	305.6	422.1	537.9	626.3	728.1
45°	0.0	9.8	33.7	72.2	137.6	222.3	325.1	445.1	563.0	667.4	774.2
42.5°	0.0	10.2	36.2	77.4	144.5	233.3	343.0	466.2	587.1	706.8	828.4
40°	0.0	10.5	38.6	82.7	151.5	242.9	359.2	486.1	612.1	743.7	881.3
37.5°	0.0	10.9	40.7	88.0	158.4	251.0	373.7	505.1	640.2	778.7	930.8
35°	0.0	11.1	42.8	92.9	164.3	260.5	386.5	522.9	667.6	819.0	980.8
32.5°	0.0	11.4	44.7	97.4	169.2	270.0	398.4	539.6	694.1	857.8	1033.7
30°	0.0	11.6	46.4	101.6	173.2	278.1	410.7	556.3	719.8	894.8	1083.2
27.5°	0.0	11.9	47.9	105.3	179.1	284.8	421.8	575.7	746.1	930.0	1129.1
25°	0.0	12.0	49.3	108.7	184.7	290.2	431.5	593.8	773.7	965.7	1171.5
22.5°	0.0	12.2	50.5	111.7	189.5	295.5	439.9	610.3	799.0	999.6	1216.7
20°	0.0	12.3	51.6	114.2	193.8	302.9	446.8	625.1	822.0	1029.9	1257.2
17.5°	0.0	12.4	52.4	116.4	197.3	308.8	455.4	638.2	842.4	1056.4	1293.0
15°	0.0	12.5	53.1	118.2	200.2	313.5	464.3	650.7	860.2	1079.2	1323.8
12.5°	0.0	12.5	53.7	119.5	202.3	316.9	471.6	662.4	876.3	1098.1	1349.6
10°	0.0	12.6	54.1	120.5	203.8	319.0	477.1	671.4	890.2	1115.8	1371.4
7.5°	0.0	12.6	54.3	121.0	204.7	319.8	480.9	677.7	900.9	1130.1	1390.1
5°	0.0	12.5	54.3	121.2	204.8	319.4	482.8	681.3	908.3	1140.5	1403.6
2.5°	0.0	12.5	54.2	120.9	204.3	317.9	482.9	682.1	912.2	1146.8	1411.7
0°	0.0	12.4	53.9	120.3	203.2	315.2	481.1	680.2	912.5	1148.9	1414.4
-2.5°	0.0	12.5	54.2	120.9	204.3	317.9	482.9	682.1	912.2	1146.8	1411.7
-5°	0.0	12.5	54.3	121.2	204.8	319.4	482.8	681.3	908.3	1140.5	1403.6
-7.5°	0.0	12.6	54.3	121.0	204.7	319.8	480.9	677.7	900.9	1130.1	1390.1
-10°	0.0	12.6	54.1	120.5	203.8	319.0	477.1	671.4	890.2	1115.8	1371.4
-12.5°	0.0	12.5	53.7	119.5	202.3	316.9	471.6	662.4	876.3	1098.1	1349.6
-15°	0.0	12.5	53.1	118.2	200.2	313.5	464.3	650.7	860.2	1079.2	1323.8
-17.5°	0.0	12.4	52.4	116.4	197.3	308.8	455.4	638.2	842.4	1056.4	1293.0
-20°	0.0	12.3	51.6	114.2	193.8	302.9	446.8	625.1	822.0	1029.9	1257.2

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CATALOG NUMBER: GFLD-SA4B-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	12.2	50.5	111.7	189.5	295.5	439.9	610.3	799.0	999.6	1216.7
-25°	0.0	12.0	49.3	108.7	184.7	290.2	431.5	593.8	773.7	965.7	1171.5
-27.5°	0.0	11.9	47.9	105.3	179.1	284.8	421.8	575.7	746.1	930.0	1129.1
-30°	0.0	11.6	46.4	101.6	173.2	278.1	410.7	556.3	719.8	894.8	1083.2
-32.5°	0.0	11.4	44.7	97.4	169.2	270.0	398.4	539.6	694.1	857.8	1033.7
-35°	0.0	11.1	42.8	92.9	164.3	260.5	386.5	522.9	667.6	819.0	980.8
-37.5°	0.0	10.9	40.7	88.0	158.4	251.0	373.7	505.1	640.2	778.7	930.8
-40°	0.0	10.5	38.6	82.7	151.5	242.9	359.2	486.1	612.1	743.7	881.3
-42.5°	0.0	10.2	36.2	77.4	144.5	233.3	343.0	466.2	587.1	706.8	828.4
-45°	0.0	9.8	33.7	72.2	137.6	222.3	325.1	445.1	563.0	667.4	774.2
-47.5°	0.0	9.4	31.1	66.4	129.8	209.9	305.6	422.1	537.9	626.3	728.1
-50°	0.0	9.0	28.3	62.0	121.1	196.2	288.1	397.2	505.5	589.9	679.9
-52.5°	0.0	8.6	25.4	57.7	111.6	181.2	269.3	370.5	469.9	552.3	630.7
-55°	0.0	8.1	22.4	53.1	101.3	167.1	248.9	342.3	432.3	513.6	587.8
-57.5°	0.0	7.6	19.3	48.1	90.2	152.2	226.8	315.2	393.8	471.5	543.8
-60°	0.0	7.1	16.0	42.7	78.5	136.2	203.6	283.8	354.7	427.9	497.9
-62.5°	0.0	6.6	14.9	36.9	69.8	119.1	181.4	250.1	315.0	383.6	449.6
-65°	0.0	6.0	13.7	30.9	60.5	101.1	158.0	216.2	273.7	336.2	400.5
-67.5°	0.0	5.5	12.4	24.5	50.7	84.7	133.2	183.7	231.1	286.7	345.6
-70°	0.0	4.9	11.2	17.9	40.4	70.0	107.4	150.3	191.6	235.6	287.1
-72.5°	0.0	4.3	9.9	14.9	29.7	54.7	85.9	116.1	151.2	188.6	228.2
-75°	0.0	3.7	8.5	12.9	18.6	38.8	64.3	87.6	109.9	140.7	173.3
-77.5°	0.0	3.1	7.1	10.7	14.3	22.4	42.1	61.1	79.0	96.1	117.4
-80°	0.0	2.5	5.7	8.6	11.5	14.3	19.3	34.4	48.9	62.9	76.2
-82.5°	0.0	1.9	4.3	6.5	8.6	10.7	12.9	14.9	18.7	29.4	39.7
-85°	0.0	1.3	2.9	4.3	5.8	7.2	8.6	10.0	11.3	12.7	14.0
-87.5°	0.0	0.6	1.4	2.2	2.9	3.6	4.3	5.0	5.7	6.4	7.0
-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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 CATALOG NUMBER: GFLD-SA4B-735-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.1	9.3	10.6	11.9	12.0	12.0	11.9	11.7	12.2	12.7	13.2
85°	16.2	18.6	25.8	32.8	36.2	38.3	39.2	39.1	45.4	52.8	60.7
82.5°	50.5	60.9	70.8	80.2	82.7	82.7	81.9	82.2	97.1	114.2	131.7
80°	89.9	103.0	120.6	136.1	142.8	146.3	147.9	147.7	166.5	191.7	218.1
77.5°	142.6	164.8	184.1	200.6	209.4	217.2	223.6	228.5	252.7	284.5	316.0
75°	202.6	227.0	251.2	272.3	287.1	298.0	308.2	324.6	356.4	393.5	425.7
72.5°	266.0	297.1	324.1	347.0	367.7	389.7	414.3	441.2	474.8	511.8	545.6
70°	333.6	367.8	396.1	423.7	451.9	484.8	521.8	558.1	595.6	636.4	675.8
67.5°	399.8	432.8	466.1	500.9	543.1	587.2	630.9	681.0	732.3	777.7	818.3
65°	457.3	496.0	537.6	584.9	637.1	693.1	751.4	811.4	876.5	931.0	980.7
62.5°	512.2	558.7	609.3	668.2	734.7	801.1	875.4	950.7	1023.9	1088.1	1147.4
60°	562.8	619.1	683.1	755.3	833.0	921.2	1005.8	1091.4	1171.7	1244.4	1319.5
57.5°	612.0	682.9	759.7	846.4	944.6	1043.7	1143.2	1235.2	1326.1	1414.7	1499.6
55°	664.1	749.6	840.9	947.3	1058.0	1175.2	1282.3	1385.0	1485.1	1592.7	1694.9
52.5°	721.5	816.9	931.3	1050.3	1178.2	1303.9	1421.6	1538.6	1659.6	1781.4	1914.5
50°	776.8	895.8	1021.1	1159.5	1297.6	1432.3	1567.3	1702.1	1847.2	1996.5	2147.3
47.5°	841.4	971.3	1119.3	1267.7	1418.7	1568.6	1719.0	1881.9	2046.7	2219.8	2386.6
45°	906.9	1052.8	1212.3	1380.1	1543.4	1709.4	1885.3	2065.4	2258.5	2448.9	2649.6
42.5°	968.8	1133.9	1309.7	1490.9	1672.5	1858.0	2051.4	2261.7	2472.8	2692.4	2913.0
40°	1037.5	1211.0	1404.8	1604.4	1801.4	2007.1	2228.1	2455.9	2694.8	2936.2	3175.7
37.5°	1103.6	1294.2	1497.9	1712.8	1933.9	2159.9	2399.9	2658.5	2917.6	3177.4	3441.5
35°	1165.4	1373.1	1593.8	1821.9	2056.4	2313.5	2581.8	2857.8	3138.5	3419.5	3703.6
32.5°	1229.0	1447.5	1685.4	1929.5	2188.0	2463.6	2757.5	3056.6	3355.5	3655.6	3966.5
30°	1292.8	1525.6	1774.1	2031.3	2314.0	2614.3	2930.2	3247.0	3563.2	3893.4	4224.8
27.5°	1353.0	1599.6	1861.3	2136.5	2434.7	2753.8	3089.3	3428.7	3769.6	4120.7	4474.2
25°	1408.5	1669.8	1942.3	2237.7	2553.8	2888.1	3237.6	3591.7	3965.6	4341.3	4710.4
22.5°	1462.6	1734.2	2017.2	2331.0	2661.7	3012.8	3376.7	3750.7	4141.4	4544.9	4926.8
20°	1514.6	1795.5	2090.1	2415.5	2758.4	3125.0	3503.2	3894.8	4304.7	4718.9	5129.8
17.5°	1560.8	1850.0	2158.0	2494.5	2850.6	3227.7	3617.1	4021.6	4449.7	4879.1	5314.5
15°	1601.1	1897.5	2216.8	2563.4	2932.1	3321.0	3722.9	4138.9	4578.0	5025.1	5477.7
12.5°	1635.1	1937.7	2266.3	2622.0	3001.3	3401.0	3813.8	4244.3	4695.3	5155.0	5620.7
10°	1662.7	1970.4	2306.4	2669.9	3057.8	3467.1	3888.6	4331.3	4795.8	5265.5	5741.0
7.5°	1686.2	1997.8	2338.1	2706.9	3101.3	3518.9	3946.8	4399.1	4875.8	5351.6	5837.6
5°	1703.4	2019.9	2367.3	2737.8	3139.2	3559.4	3991.0	4447.5	4934.4	5412.9	5907.6
2.5°	1713.7	2034.3	2387.2	2757.9	3169.0	3589.7	4030.2	4490.2	4977.3	5461.7	5960.3
0°	1717.1	2040.7	2397.4	2766.5	3185.4	3604.3	4052.3	4512.7	4998.0	5491.6	5993.4
-2.5°	1713.7	2034.3	2387.2	2757.9	3169.0	3589.7	4030.2	4490.2	4977.3	5461.7	5960.3
-5°	1703.4	2019.9	2367.3	2737.8	3139.2	3559.4	3991.0	4447.5	4934.4	5412.9	5907.6
-7.5°	1686.2	1997.8	2338.1	2706.9	3101.3	3518.9	3946.8	4399.1	4875.8	5351.6	5837.6
-10°	1662.7	1970.4	2306.4	2669.9	3057.8	3467.1	3888.6	4331.3	4795.8	5265.5	5741.0
-12.5°	1635.1	1937.7	2266.3	2622.0	3001.3	3401.0	3813.8	4244.3	4695.3	5155.0	5620.7
-15°	1601.1	1897.5	2216.8	2563.4	2932.1	3321.0	3722.9	4138.9	4578.0	5025.1	5477.7
-17.5°	1560.8	1850.0	2158.0	2494.5	2850.6	3227.7	3617.1	4021.6	4449.7	4879.1	5314.5
-20°	1514.6	1795.5	2090.1	2415.5	2758.4	3125.0	3503.2	3894.8	4304.7	4718.9	5129.8

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA4B-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°	1462.6	1734.2	2017.2	2331.0	2661.7	3012.8	3376.7	3750.7	4141.4	4544.9	4926.8
-25°	1408.5	1669.8	1942.3	2237.7	2553.8	2888.1	3237.6	3591.7	3965.6	4341.3	4710.4
-27.5°	1353.0	1599.6	1861.3	2136.5	2434.7	2753.8	3089.3	3428.7	3769.6	4120.7	4474.2
-30°	1292.8	1525.6	1774.1	2031.3	2314.0	2614.3	2930.2	3247.0	3563.2	3893.4	4224.8
-32.5°	1229.0	1447.5	1685.4	1929.5	2188.0	2463.6	2757.5	3056.6	3355.5	3655.6	3966.5
-35°	1165.4	1373.1	1593.8	1821.9	2056.4	2313.5	2581.8	2857.8	3138.5	3419.5	3703.6
-37.5°	1103.6	1294.2	1497.9	1712.8	1933.9	2159.9	2399.9	2658.5	2917.6	3177.4	3441.5
-40°	1037.5	1211.0	1404.8	1604.4	1801.4	2007.1	2228.1	2455.9	2694.8	2936.2	3175.7
-42.5°	968.8	1133.9	1309.7	1490.9	1672.5	1858.0	2051.4	2261.7	2472.8	2692.4	2913.0
-45°	906.9	1052.8	1212.3	1380.1	1543.4	1709.4	1885.3	2065.4	2258.5	2448.9	2649.6
-47.5°	841.4	971.3	1119.3	1267.7	1418.7	1568.6	1719.0	1881.9	2046.7	2219.8	2386.6
-50°	776.8	895.8	1021.1	1159.5	1297.6	1432.3	1567.3	1702.1	1847.2	1996.5	2147.3
-52.5°	721.5	816.9	931.3	1050.3	1178.2	1303.9	1421.6	1538.6	1659.6	1781.4	1914.5
-55°	664.1	749.6	840.9	947.3	1058.0	1175.2	1282.3	1385.0	1485.1	1592.7	1694.9
-57.5°	612.0	682.9	759.7	846.4	944.6	1043.7	1143.2	1235.2	1326.1	1414.7	1499.6
-60°	562.8	619.1	683.1	755.3	833.0	921.2	1005.8	1091.4	1171.7	1244.4	1319.5
-62.5°	512.2	558.7	609.3	668.2	734.7	801.1	875.4	950.7	1023.9	1088.1	1147.4
-65°	457.3	496.0	537.6	584.9	637.1	693.1	751.4	811.4	876.5	931.0	980.7
-67.5°	399.8	432.8	466.1	500.9	543.1	587.2	630.9	681.0	732.3	777.7	818.3
-70°	333.6	367.8	396.1	423.7	451.9	484.8	521.8	558.1	595.6	636.4	675.8
-72.5°	266.0	297.1	324.1	347.0	367.7	389.7	414.3	441.2	474.8	511.8	545.6
-75°	202.6	227.0	251.2	272.3	287.1	298.0	308.2	324.6	356.4	393.5	425.7
-77.5°	142.6	164.8	184.1	200.6	209.4	217.2	223.6	228.5	252.7	284.5	316.0
-80°	89.9	103.0	120.6	136.1	142.8	146.3	147.9	147.7	166.5	191.7	218.1
-82.5°	50.5	60.9	70.8	80.2	82.7	82.7	81.9	82.2	97.1	114.2	131.7
-85°	16.2	18.6	25.8	32.8	36.2	38.3	39.2	39.1	45.4	52.8	60.7
-87.5°	8.1	9.3	10.6	11.9	12.0	12.0	11.9	11.7	12.2	12.7	13.2
-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: P627341 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-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°	13.6	14.0	14.4	14.7	15.0	15.3	15.6	15.8	16.0	15.2	14.3
85°	69.3	74.2	78.7	83.1	87.3	91.3	94.9	98.4	101.5	92.8	83.0
82.5°	149.6	161.6	173.0	184.4	195.7	198.5	199.4	199.0	197.4	182.0	164.8
80°	244.2	264.5	283.7	302.7	321.5	323.6	321.5	317.6	312.2	291.9	268.9
77.5°	347.5	373.1	395.5	416.0	434.7	438.2	437.7	436.8	435.2	414.5	389.5
75°	453.4	478.4	502.6	523.1	540.2	548.1	551.9	554.7	556.2	541.3	521.8
72.5°	576.1	602.2	623.5	643.4	660.3	672.5	681.2	687.9	692.4	687.8	679.9
70°	709.3	737.3	760.8	783.3	806.1	824.5	838.3	848.4	854.8	859.0	861.9
67.5°	859.3	896.8	929.5	957.4	985.1	1011.1	1032.4	1049.8	1063.2	1074.7	1083.5
65°	1028.2	1076.2	1118.7	1157.7	1193.5	1231.1	1262.0	1287.9	1308.8	1326.0	1339.8
62.5°	1205.9	1264.7	1319.2	1372.2	1424.0	1475.1	1514.4	1550.1	1581.9	1609.2	1630.9
60°	1390.5	1457.3	1530.5	1600.4	1664.7	1723.5	1781.9	1832.5	1875.7	1911.6	1940.6
57.5°	1588.9	1675.4	1761.0	1847.8	1929.9	2006.6	2078.5	2141.9	2195.5	2239.4	2276.3
55°	1803.2	1911.4	2010.7	2120.2	2226.1	2322.4	2407.3	2481.8	2546.3	2600.3	2646.2
52.5°	2038.9	2170.3	2299.3	2424.0	2544.1	2655.9	2757.5	2844.3	2921.5	2987.7	3040.6
50°	2296.8	2447.2	2596.7	2735.3	2873.4	3002.2	3118.6	3219.4	3309.2	3387.0	3448.2
47.5°	2566.5	2737.6	2904.6	3063.3	3216.1	3359.3	3485.4	3600.2	3712.2	3803.6	3875.9
45°	2846.5	3038.5	3222.7	3404.2	3572.4	3732.9	3888.4	4031.4	4146.4	4247.1	4331.7
42.5°	3130.0	3344.1	3550.4	3748.4	3933.4	4119.0	4293.9	4450.2	4581.4	4695.9	4791.9
40°	3417.1	3651.6	3878.9	4094.7	4306.2	4508.5	4697.7	4862.6	5010.5	5146.4	5259.7
37.5°	3702.8	3960.8	4212.6	4454.3	4687.2	4906.4	5110.8	5297.2	5464.1	5618.9	5744.7
35°	3989.8	4272.8	4548.4	4814.5	5068.8	5310.7	5534.6	5746.6	5943.2	6100.1	6228.8
32.5°	4275.6	4579.9	4879.8	5172.7	5451.2	5711.9	5954.5	6188.7	6391.0	6563.4	6711.4
30°	4552.2	4881.8	5208.5	5526.1	5826.8	6109.4	6378.0	6625.7	6843.2	7031.8	7197.7
27.5°	4823.6	5177.8	5528.2	5867.5	6192.7	6499.8	6792.9	7061.5	7298.9	7503.9	7678.8
25°	5080.2	5460.8	5834.4	6194.1	6541.5	6880.2	7196.7	7489.8	7743.4	7968.3	8148.1
22.5°	5325.3	5731.2	6123.7	6502.1	6873.7	7238.8	7585.3	7891.3	8160.1	8395.3	8594.3
20°	5553.7	5988.6	6390.2	6790.4	7181.8	7571.6	7943.5	8266.5	8550.9	8801.3	9020.6
17.5°	5767.1	6213.2	6636.1	7062.2	7474.6	7883.6	8261.5	8607.7	8914.5	9180.4	9410.1
15°	5947.8	6398.3	6860.2	7315.1	7750.1	8164.2	8541.7	8903.3	9244.0	9531.5	9764.4
12.5°	6094.1	6562.6	7044.4	7527.4	7987.4	8400.9	8796.2	9163.0	9520.8	9843.8	10057.9
10°	6218.8	6701.2	7198.6	7691.2	8157.3	8594.9	9024.7	9412.4	9764.1	10053.3	10292.4
7.5°	6326.6	6823.6	7328.7	7822.1	8286.7	8738.8	9181.2	9593.0	9948.0	10220.6	10433.8
5°	6406.1	6914.9	7429.8	7927.7	8398.8	8852.4	9296.8	9703.5	10050.0	10327.3	10559.8
2.5°	6463.0	6976.6	7495.2	7993.8	8475.3	8930.0	9385.6	9796.8	10132.4	10386.4	10609.1
0°	6499.4	7013.8	7536.4	8046.5	8519.4	8959.0	9448.5	9834.2	10182.6	10435.6	10667.9
-2.5°	6463.0	6976.6	7495.2	7993.8	8475.3	8930.0	9385.6	9796.8	10132.4	10386.4	10609.1
-5°	6406.1	6914.9	7429.8	7927.7	8398.8	8852.4	9296.8	9703.5	10050.0	10327.3	10559.8
-7.5°	6326.6	6823.6	7328.7	7822.1	8286.7	8738.8	9181.2	9593.0	9948.0	10220.6	10433.8
-10°	6218.8	6701.2	7198.6	7691.2	8157.3	8594.9	9024.7	9412.4	9764.1	10053.3	10292.4
-12.5°	6094.1	6562.6	7044.4	7527.4	7987.4	8400.9	8796.2	9163.0	9520.8	9843.8	10057.9
-15°	5947.8	6398.3	6860.2	7315.1	7750.1	8164.2	8541.7	8903.3	9244.0	9531.5	9764.4
-17.5°	5767.1	6213.2	6636.1	7062.2	7474.6	7883.6	8261.5	8607.7	8914.5	9180.4	9410.1
-20°	5553.7	5988.6	6390.2	6790.4	7181.8	7571.6	7943.5	8266.5	8550.9	8801.3	9020.6



REPORT NUMBER: P627341 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-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°	5325.3	5731.2	6123.7	6502.1	6873.7	7238.8	7585.3	7891.3	8160.1	8395.3	8594.3
-25°	5080.2	5460.8	5834.4	6194.1	6541.5	6880.2	7196.7	7489.8	7743.4	7968.3	8148.1
-27.5°	4823.6	5177.8	5528.2	5867.5	6192.7	6499.8	6792.9	7061.5	7298.9	7503.9	7678.8
-30°	4552.2	4881.8	5208.5	5526.1	5826.8	6109.4	6378.0	6625.7	6843.2	7031.8	7197.7
-32.5°	4275.6	4579.9	4879.8	5172.7	5451.2	5711.9	5954.5	6188.7	6391.0	6563.4	6711.4
-35°	3989.8	4272.8	4548.4	4814.5	5068.8	5310.7	5534.6	5746.6	5943.2	6100.1	6228.8
-37.5°	3702.8	3960.8	4212.6	4454.3	4687.2	4906.4	5110.8	5297.2	5464.1	5618.9	5744.7
-40°	3417.1	3651.6	3878.9	4094.7	4306.2	4508.5	4697.7	4862.6	5010.5	5146.4	5259.7
-42.5°	3130.0	3344.1	3550.4	3748.4	3933.4	4119.0	4293.9	4450.2	4581.4	4695.9	4791.9
-45°	2846.5	3038.5	3222.7	3404.2	3572.4	3732.9	3888.4	4031.4	4146.4	4247.1	4331.7
-47.5°	2566.5	2737.6	2904.6	3063.3	3216.1	3359.3	3485.4	3600.2	3712.2	3803.6	3875.9
-50°	2296.8	2447.2	2596.7	2735.3	2873.4	3002.2	3118.6	3219.4	3309.2	3387.0	3448.2
-52.5°	2038.9	2170.3	2299.3	2424.0	2544.1	2655.9	2757.5	2844.3	2921.5	2987.7	3040.6
-55°	1803.2	1911.4	2010.7	2120.2	2226.1	2322.4	2407.3	2481.8	2546.3	2600.3	2646.2
-57.5°	1588.9	1675.4	1761.0	1847.8	1929.9	2006.6	2078.5	2141.9	2195.5	2239.4	2276.3
-60°	1390.5	1457.3	1530.5	1600.4	1664.7	1723.5	1781.9	1832.5	1875.7	1911.6	1940.6
-62.5°	1205.9	1264.7	1319.2	1372.2	1424.0	1475.1	1514.4	1550.1	1581.9	1609.2	1630.9
-65°	1028.2	1076.2	1118.7	1157.7	1193.5	1231.1	1262.0	1287.9	1308.8	1326.0	1339.8
-67.5°	859.3	896.8	929.5	957.4	985.1	1011.1	1032.4	1049.8	1063.2	1074.7	1083.5
-70°	709.3	737.3	760.8	783.3	806.1	824.5	838.3	848.4	854.8	859.0	861.9
-72.5°	576.1	602.2	623.5	643.4	660.3	672.5	681.2	687.9	692.4	687.8	679.9
-75°	453.4	478.4	502.6	523.1	540.2	548.1	551.9	554.7	556.2	541.3	521.8
-77.5°	347.5	373.1	395.5	416.0	434.7	438.2	437.7	436.8	435.2	414.5	389.5
-80°	244.2	264.5	283.7	302.7	321.5	323.6	321.5	317.6	312.2	291.9	268.9
-82.5°	149.6	161.6	173.0	184.4	195.7	198.5	199.4	199.0	197.4	182.0	164.8
-85°	69.3	74.2	78.7	83.1	87.3	91.3	94.9	98.4	101.5	92.8	83.0
-87.5°	13.6	14.0	14.4	14.7	15.0	15.3	15.6	15.8	16.0	15.2	14.3
-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: P627341 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-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°	13.3	12.4	12.4	12.4	12.4	12.4	13.3	14.3	15.2	16.0	15.8
85°	72.7	61.9	58.0	53.9	58.0	61.9	72.7	83.0	92.8	101.5	98.4
82.5°	146.9	128.2	122.2	116.1	122.2	128.2	146.9	164.8	182.0	197.4	199.0
80°	244.6	219.2	209.3	199.1	209.3	219.2	244.6	268.9	291.9	312.2	317.6
77.5°	363.0	335.2	323.3	311.1	323.3	335.2	363.0	389.5	414.5	435.2	436.8
75°	501.3	479.5	466.3	452.1	466.3	479.5	501.3	521.8	541.3	556.2	554.7
72.5°	670.8	660.1	650.5	638.7	650.5	660.1	670.8	679.9	687.8	692.4	687.9
70°	862.9	861.5	863.2	862.7	863.2	861.5	862.9	861.9	859.0	854.8	848.4
67.5°	1088.0	1088.3	1092.9	1095.0	1092.9	1088.3	1088.0	1083.5	1074.7	1063.2	1049.8
65°	1348.4	1351.5	1350.4	1343.9	1350.4	1351.5	1348.4	1339.8	1326.0	1308.8	1287.9
62.5°	1646.4	1655.3	1660.3	1659.1	1660.3	1655.3	1646.4	1630.9	1609.2	1581.9	1550.1
60°	1962.2	1976.2	1983.3	1982.6	1983.3	1976.2	1962.2	1940.6	1911.6	1875.7	1832.5
57.5°	2303.9	2321.9	2326.1	2318.6	2326.1	2321.9	2303.9	2276.3	2239.4	2195.5	2141.9
55°	2680.7	2703.7	2712.6	2708.4	2712.6	2703.7	2680.7	2646.2	2600.3	2546.3	2481.8
52.5°	3079.3	3104.2	3113.0	3106.6	3113.0	3104.2	3079.3	3040.6	2987.7	2921.5	2844.3
50°	3493.2	3523.3	3535.5	3529.7	3535.5	3523.3	3493.2	3448.2	3387.0	3309.2	3219.4
47.5°	3932.5	3972.7	3988.3	3977.6	3988.3	3972.7	3932.5	3875.9	3803.6	3712.2	3600.2
45°	4394.8	4436.4	4452.6	4442.2	4452.6	4436.4	4394.8	4331.7	4247.1	4146.4	4031.4
42.5°	4865.4	4919.5	4942.3	4923.3	4942.3	4919.5	4865.4	4791.9	4695.9	4581.4	4450.2
40°	5344.3	5403.0	5430.0	5416.9	5430.0	5403.0	5344.3	5259.7	5146.4	5010.5	4862.6
37.5°	5835.5	5893.9	5922.5	5922.9	5922.5	5893.9	5835.5	5744.7	5618.9	5464.1	5297.2
35°	6328.5	6399.2	6439.2	6437.2	6439.2	6399.2	6328.5	6228.8	6100.1	5943.2	5746.6
32.5°	6828.4	6904.9	6945.8	6951.5	6945.8	6904.9	6828.4	6711.4	6563.4	6391.0	6188.7
30°	7327.4	7411.6	7458.9	7478.3	7458.9	7411.6	7327.4	7197.7	7031.8	6843.2	6625.7
27.5°	7811.3	7914.9	7986.4	7992.6	7986.4	7914.9	7811.3	7678.8	7503.9	7298.9	7061.5
25°	8280.1	8385.5	8458.8	8473.7	8458.8	8385.5	8280.1	8148.1	7968.3	7743.4	7489.8
22.5°	8742.1	8852.3	8919.9	8946.6	8919.9	8852.3	8742.1	8594.3	8395.3	8160.1	7891.3
20°	9183.1	9302.5	9374.3	9402.8	9374.3	9302.5	9183.1	9020.6	8801.3	8550.9	8266.5
17.5°	9582.0	9708.2	9796.8	9821.7	9796.8	9708.2	9582.0	9410.1	9180.4	8914.5	8607.7
15°	9933.1	10052.8	10137.0	10170.2	10137.0	10052.8	9933.1	9764.4	9531.5	9244.0	8903.3
12.5°	10218.9	10326.0	10391.9	10423.2	10391.9	10326.0	10218.9	10057.9	9843.8	9520.8	9163.0
10°	10442.2	10549.6	10612.5	10655.4	10612.5	10549.6	10442.2	10292.4	10053.3	9764.1	9412.4
7.5°	10636.0	10746.0	10823.0	10883.6	10823.0	10746.0	10636.0	10433.8	10220.6	9948.0	9593.0
5°	10742.9	10926.7	10954.4	10995.5	10954.4	10926.7	10742.9	10559.8	10327.3	10050.0	9703.5
2.5°	10824.6	10954.9	11033.2	11024.6	11033.2	10954.9	10824.6	10609.1	10386.4	10132.4	9796.8
0°	10883.6	10999.7	11028.7	11066.1	11028.7	10999.7	10883.6	10667.9	10435.6	10182.6	9834.2
-2.5°	10824.6	10954.9	11033.2	11024.6	11033.2	10954.9	10824.6	10609.1	10386.4	10132.4	9796.8
-5°	10742.9	10926.7	10954.4	10995.5	10954.4	10926.7	10742.9	10559.8	10327.3	10050.0	9703.5
-7.5°	10636.0	10746.0	10823.0	10883.6	10823.0	10746.0	10636.0	10433.8	10220.6	9948.0	9593.0
-10°	10442.2	10549.6	10612.5	10655.4	10612.5	10549.6	10442.2	10292.4	10053.3	9764.1	9412.4
-12.5°	10218.9	10326.0	10391.9	10423.2	10391.9	10326.0	10218.9	10057.9	9843.8	9520.8	9163.0
-15°	9933.1	10052.8	10137.0	10170.2	10137.0	10052.8	9933.1	9764.4	9531.5	9244.0	8903.3
-17.5°	9582.0	9708.2	9796.8	9821.7	9796.8	9708.2	9582.0	9410.1	9180.4	8914.5	8607.7
-20°	9183.1	9302.5	9374.3	9402.8	9374.3	9302.5	9183.1	9020.6	8801.3	8550.9	8266.5



REPORT NUMBER: P627341 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-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°	8742.1	8852.3	8919.9	8946.6	8919.9	8852.3	8742.1	8594.3	8395.3	8160.1	7891.3
-25°	8280.1	8385.5	8458.8	8473.7	8458.8	8385.5	8280.1	8148.1	7968.3	7743.4	7489.8
-27.5°	7811.3	7914.9	7986.4	7992.6	7986.4	7914.9	7811.3	7678.8	7503.9	7298.9	7061.5
-30°	7327.4	7411.6	7458.9	7478.3	7458.9	7411.6	7327.4	7197.7	7031.8	6843.2	6625.7
-32.5°	6828.4	6904.9	6945.8	6951.5	6945.8	6904.9	6828.4	6711.4	6563.4	6391.0	6188.7
-35°	6328.5	6399.2	6439.2	6437.2	6439.2	6399.2	6328.5	6228.8	6100.1	5943.2	5746.6
-37.5°	5835.5	5893.9	5922.5	5922.9	5922.5	5893.9	5835.5	5744.7	5618.9	5464.1	5297.2
-40°	5344.3	5403.0	5430.0	5416.9	5430.0	5403.0	5344.3	5259.7	5146.4	5010.5	4862.6
-42.5°	4865.4	4919.5	4942.3	4923.3	4942.3	4919.5	4865.4	4791.9	4695.9	4581.4	4450.2
-45°	4394.8	4436.4	4452.6	4442.2	4452.6	4436.4	4394.8	4331.7	4247.1	4146.4	4031.4
-47.5°	3932.5	3972.7	3988.3	3977.6	3988.3	3972.7	3932.5	3875.9	3803.6	3712.2	3600.2
-50°	3493.2	3523.3	3535.5	3529.7	3535.5	3523.3	3493.2	3448.2	3387.0	3309.2	3219.4
-52.5°	3079.3	3104.2	3113.0	3106.6	3113.0	3104.2	3079.3	3040.6	2987.7	2921.5	2844.3
-55°	2680.7	2703.7	2712.6	2708.4	2712.6	2703.7	2680.7	2646.2	2600.3	2546.3	2481.8
-57.5°	2303.9	2321.9	2326.1	2318.6	2326.1	2321.9	2303.9	2276.3	2239.4	2195.5	2141.9
-60°	1962.2	1976.2	1983.3	1982.6	1983.3	1976.2	1962.2	1940.6	1911.6	1875.7	1832.5
-62.5°	1646.4	1655.3	1660.3	1659.1	1660.3	1655.3	1646.4	1630.9	1609.2	1581.9	1550.1
-65°	1348.4	1351.5	1350.4	1343.9	1350.4	1351.5	1348.4	1339.8	1326.0	1308.8	1287.9
-67.5°	1088.0	1088.3	1092.9	1095.0	1092.9	1088.3	1088.0	1083.5	1074.7	1063.2	1049.8
-70°	862.9	861.5	863.2	862.7	863.2	861.5	862.9	861.9	859.0	854.8	848.4
-72.5°	670.8	660.1	650.5	638.7	650.5	660.1	670.8	679.9	687.8	692.4	687.9
-75°	501.3	479.5	466.3	452.1	466.3	479.5	501.3	521.8	541.3	556.2	554.7
-77.5°	363.0	335.2	323.3	311.1	323.3	335.2	363.0	389.5	414.5	435.2	436.8
-80°	244.6	219.2	209.3	199.1	209.3	219.2	244.6	268.9	291.9	312.2	317.6
-82.5°	146.9	128.2	122.2	116.1	122.2	128.2	146.9	164.8	182.0	197.4	199.0
-85°	72.7	61.9	58.0	53.9	58.0	61.9	72.7	83.0	92.8	101.5	98.4
-87.5°	13.3	12.4	12.4	12.4	12.4	12.4	13.3	14.3	15.2	16.0	15.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P627341 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-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°	15.6	15.3	15.0	14.7	14.4	14.0	13.6	13.2	12.7	12.2	11.7
85°	94.9	91.3	87.3	83.1	78.7	74.2	69.3	60.7	52.8	45.4	39.1
82.5°	199.4	198.5	195.7	184.4	173.0	161.6	149.6	131.7	114.2	97.1	82.2
80°	321.5	323.6	321.5	302.7	283.7	264.5	244.2	218.1	191.7	166.5	147.7
77.5°	437.7	438.2	434.7	416.0	395.5	373.1	347.5	316.0	284.5	252.7	228.5
75°	551.9	548.1	540.2	523.1	502.6	478.4	453.4	425.7	393.5	356.4	324.6
72.5°	681.2	672.5	660.3	643.4	623.5	602.2	576.1	545.6	511.8	474.8	441.2
70°	838.3	824.5	806.1	783.3	760.8	737.3	709.3	675.8	636.4	595.6	558.1
67.5°	1032.4	1011.1	985.1	957.4	929.5	896.8	859.3	818.3	777.7	732.3	681.0
65°	1262.0	1231.1	1193.5	1157.7	1118.7	1076.2	1028.2	980.7	931.0	876.5	811.4
62.5°	1514.4	1475.1	1424.0	1372.2	1319.2	1264.7	1205.9	1147.4	1088.1	1023.9	950.7
60°	1781.9	1723.5	1664.7	1600.4	1530.5	1457.3	1390.5	1319.5	1244.4	1171.7	1091.4
57.5°	2078.5	2006.6	1929.9	1847.8	1761.0	1675.4	1588.9	1499.6	1414.7	1326.1	1235.2
55°	2407.3	2322.4	2226.1	2120.2	2010.7	1911.4	1803.2	1694.9	1592.7	1485.1	1385.0
52.5°	2757.5	2655.9	2544.1	2424.0	2299.3	2170.3	2038.9	1914.5	1781.4	1659.6	1538.6
50°	3118.6	3002.2	2873.4	2735.3	2596.7	2447.2	2296.8	2147.3	1996.5	1847.2	1702.1
47.5°	3485.4	3359.3	3216.1	3063.3	2904.6	2737.6	2566.5	2386.6	2219.8	2046.7	1881.9
45°	3888.4	3732.9	3572.4	3404.2	3222.7	3038.5	2846.5	2649.6	2448.9	2258.5	2065.4
42.5°	4293.9	4119.0	3933.4	3748.4	3550.4	3344.1	3130.0	2913.0	2692.4	2472.8	2261.7
40°	4697.7	4508.5	4306.2	4094.7	3878.9	3651.6	3417.1	3175.7	2936.2	2694.8	2455.9
37.5°	5110.8	4906.4	4687.2	4454.3	4212.6	3960.8	3702.8	3441.5	3177.4	2917.6	2658.5
35°	5534.6	5310.7	5068.8	4814.5	4548.4	4272.8	3989.8	3703.6	3419.5	3138.5	2857.8
32.5°	5954.5	5711.9	5451.2	5172.7	4879.8	4579.9	4275.6	3966.5	3655.6	3355.5	3056.6
30°	6378.0	6109.4	5826.8	5526.1	5208.5	4881.8	4552.2	4224.8	3893.4	3563.2	3247.0
27.5°	6792.9	6499.8	6192.7	5867.5	5528.2	5177.8	4823.6	4474.2	4120.7	3769.6	3428.7
25°	7196.7	6880.2	6541.5	6194.1	5834.4	5460.8	5080.2	4710.4	4341.3	3965.6	3591.7
22.5°	7585.3	7238.8	6873.7	6502.1	6123.7	5731.2	5325.3	4926.8	4544.9	4141.4	3750.7
20°	7943.5	7571.6	7181.8	6790.4	6390.2	5988.6	5553.7	5129.8	4718.9	4304.7	3894.8
17.5°	8261.5	7883.6	7474.6	7062.2	6636.1	6213.2	5767.1	5314.5	4879.1	4449.7	4021.6
15°	8541.7	8164.2	7750.1	7315.1	6860.2	6398.3	5947.8	5477.7	5025.1	4578.0	4138.9
12.5°	8796.2	8400.9	7987.4	7527.4	7044.4	6562.6	6094.1	5620.7	5155.0	4695.3	4244.3
10°	9024.7	8594.9	8157.3	7691.2	7198.6	6701.2	6218.8	5741.0	5265.5	4795.8	4331.3
7.5°	9181.2	8738.8	8286.7	7822.1	7328.7	6823.6	6326.6	5837.6	5351.6	4875.8	4399.1
5°	9296.8	8852.4	8398.8	7927.7	7429.8	6914.9	6406.1	5907.6	5412.9	4934.4	4447.5
2.5°	9385.6	8930.0	8475.3	7993.8	7495.2	6976.6	6463.0	5960.3	5461.7	4977.3	4490.2
0°	9448.5	8959.0	8519.4	8046.5	7536.4	7013.8	6499.4	5993.4	5491.6	4998.0	4512.7
-2.5°	9385.6	8930.0	8475.3	7993.8	7495.2	6976.6	6463.0	5960.3	5461.7	4977.3	4490.2
-5°	9296.8	8852.4	8398.8	7927.7	7429.8	6914.9	6406.1	5907.6	5412.9	4934.4	4447.5
-7.5°	9181.2	8738.8	8286.7	7822.1	7328.7	6823.6	6326.6	5837.6	5351.6	4875.8	4399.1
-10°	9024.7	8594.9	8157.3	7691.2	7198.6	6701.2	6218.8	5741.0	5265.5	4795.8	4331.3
-12.5°	8796.2	8400.9	7987.4	7527.4	7044.4	6562.6	6094.1	5620.7	5155.0	4695.3	4244.3
-15°	8541.7	8164.2	7750.1	7315.1	6860.2	6398.3	5947.8	5477.7	5025.1	4578.0	4138.9
-17.5°	8261.5	7883.6	7474.6	7062.2	6636.1	6213.2	5767.1	5314.5	4879.1	4449.7	4021.6
-20°	7943.5	7571.6	7181.8	6790.4	6390.2	5988.6	5553.7	5129.8	4718.9	4304.7	3894.8

Classified

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

Scaled Data Report



REPORT NUMBER: P627341 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-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°	7585.3	7238.8	6873.7	6502.1	6123.7	5731.2	5325.3	4926.8	4544.9	4141.4	3750.7
-25°	7196.7	6880.2	6541.5	6194.1	5834.4	5460.8	5080.2	4710.4	4341.3	3965.6	3591.7
-27.5°	6792.9	6499.8	6192.7	5867.5	5528.2	5177.8	4823.6	4474.2	4120.7	3769.6	3428.7
-30°	6378.0	6109.4	5826.8	5526.1	5208.5	4881.8	4552.2	4224.8	3893.4	3563.2	3247.0
-32.5°	5954.5	5711.9	5451.2	5172.7	4879.8	4579.9	4275.6	3966.5	3655.6	3355.5	3056.6
-35°	5534.6	5310.7	5068.8	4814.5	4548.4	4272.8	3989.8	3703.6	3419.5	3138.5	2857.8
-37.5°	5110.8	4906.4	4687.2	4454.3	4212.6	3960.8	3702.8	3441.5	3177.4	2917.6	2658.5
-40°	4697.7	4508.5	4306.2	4094.7	3878.9	3651.6	3417.1	3175.7	2936.2	2694.8	2455.9
-42.5°	4293.9	4119.0	3933.4	3748.4	3550.4	3344.1	3130.0	2913.0	2692.4	2472.8	2261.7
-45°	3888.4	3732.9	3572.4	3404.2	3222.7	3038.5	2846.5	2649.6	2448.9	2258.5	2065.4
-47.5°	3485.4	3359.3	3216.1	3063.3	2904.6	2737.6	2566.5	2386.6	2219.8	2046.7	1881.9
-50°	3118.6	3002.2	2873.4	2735.3	2596.7	2447.2	2296.8	2147.3	1996.5	1847.2	1702.1
-52.5°	2757.5	2655.9	2544.1	2424.0	2299.3	2170.3	2038.9	1914.5	1781.4	1659.6	1538.6
-55°	2407.3	2322.4	2226.1	2120.2	2010.7	1911.4	1803.2	1694.9	1592.7	1485.1	1385.0
-57.5°	2078.5	2006.6	1929.9	1847.8	1761.0	1675.4	1588.9	1499.6	1414.7	1326.1	1235.2
-60°	1781.9	1723.5	1664.7	1600.4	1530.5	1457.3	1390.5	1319.5	1244.4	1171.7	1091.4
-62.5°	1514.4	1475.1	1424.0	1372.2	1319.2	1264.7	1205.9	1147.4	1088.1	1023.9	950.7
-65°	1262.0	1231.1	1193.5	1157.7	1118.7	1076.2	1028.2	980.7	931.0	876.5	811.4
-67.5°	1032.4	1011.1	985.1	957.4	929.5	896.8	859.3	818.3	777.7	732.3	681.0
-70°	838.3	824.5	806.1	783.3	760.8	737.3	709.3	675.8	636.4	595.6	558.1
-72.5°	681.2	672.5	660.3	643.4	623.5	602.2	576.1	545.6	511.8	474.8	441.2
-75°	551.9	548.1	540.2	523.1	502.6	478.4	453.4	425.7	393.5	356.4	324.6
-77.5°	437.7	438.2	434.7	416.0	395.5	373.1	347.5	316.0	284.5	252.7	228.5
-80°	321.5	323.6	321.5	302.7	283.7	264.5	244.2	218.1	191.7	166.5	147.7
-82.5°	199.4	198.5	195.7	184.4	173.0	161.6	149.6	131.7	114.2	97.1	82.2
-85°	94.9	91.3	87.3	83.1	78.7	74.2	69.3	60.7	52.8	45.4	39.1
-87.5°	15.6	15.3	15.0	14.7	14.4	14.0	13.6	13.2	12.7	12.2	11.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P627341 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-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°	11.9	12.0	12.0	11.9	10.6	9.3	8.1	7.0	6.4	5.7	5.0
85°	39.2	38.3	36.2	32.8	25.8	18.6	16.2	14.0	12.7	11.3	10.0
82.5°	81.9	82.7	82.7	80.2	70.8	60.9	50.5	39.7	29.4	18.7	14.9
80°	147.9	146.3	142.8	136.1	120.6	103.0	89.9	76.2	62.9	48.9	34.4
77.5°	223.6	217.2	209.4	200.6	184.1	164.8	142.6	117.4	96.1	79.0	61.1
75°	308.2	298.0	287.1	272.3	251.2	227.0	202.6	173.3	140.7	109.9	87.6
72.5°	414.3	389.7	367.7	347.0	324.1	297.1	266.0	228.2	188.6	151.2	116.1
70°	521.8	484.8	451.9	423.7	396.1	367.8	333.6	287.1	235.6	191.6	150.3
67.5°	630.9	587.2	543.1	500.9	466.1	432.8	399.8	345.6	286.7	231.1	183.7
65°	751.4	693.1	637.1	584.9	537.6	496.0	457.3	400.5	336.2	273.7	216.2
62.5°	875.4	801.1	734.7	668.2	609.3	558.7	512.2	449.6	383.6	315.0	250.1
60°	1005.8	921.2	833.0	755.3	683.1	619.1	562.8	497.9	427.9	354.7	283.8
57.5°	1143.2	1043.7	944.6	846.4	759.7	682.9	612.0	543.8	471.5	393.8	315.2
55°	1282.3	1175.2	1058.0	947.3	840.9	749.6	664.1	587.8	513.6	432.3	342.3
52.5°	1421.6	1303.9	1178.2	1050.3	931.3	816.9	721.5	630.7	552.3	469.9	370.5
50°	1567.3	1432.3	1297.6	1159.5	1021.1	895.8	776.8	679.9	589.9	505.5	397.2
47.5°	1719.0	1568.6	1418.7	1267.7	1119.3	971.3	841.4	728.1	626.3	537.9	422.1
45°	1885.3	1709.4	1543.4	1380.1	1212.3	1052.8	906.9	774.2	667.4	563.0	445.1
42.5°	2051.4	1858.0	1672.5	1490.9	1309.7	1133.9	968.8	828.4	706.8	587.1	466.2
40°	2228.1	2007.1	1801.4	1604.4	1404.8	1211.0	1037.5	881.3	743.7	612.1	486.1
37.5°	2399.9	2159.9	1933.9	1712.8	1497.9	1294.2	1103.6	930.8	778.7	640.2	505.1
35°	2581.8	2313.5	2056.4	1821.9	1593.8	1373.1	1165.4	980.8	819.0	667.6	522.9
32.5°	2757.5	2463.6	2188.0	1929.5	1685.4	1447.5	1229.0	1033.7	857.8	694.1	539.6
30°	2930.2	2614.3	2314.0	2031.3	1774.1	1525.6	1292.8	1083.2	894.8	719.8	556.3
27.5°	3089.3	2753.8	2434.7	2136.5	1861.3	1599.6	1353.0	1129.1	930.0	746.1	575.7
25°	3237.6	2888.1	2553.8	2237.7	1942.3	1669.8	1408.5	1171.5	965.7	773.7	593.8
22.5°	3376.7	3012.8	2661.7	2331.0	2017.2	1734.2	1462.6	1216.7	999.6	799.0	610.3
20°	3503.2	3125.0	2758.4	2415.5	2090.1	1795.5	1514.6	1257.2	1029.9	822.0	625.1
17.5°	3617.1	3227.7	2850.6	2494.5	2158.0	1850.0	1560.8	1293.0	1056.4	842.4	638.2
15°	3722.9	3321.0	2932.1	2563.4	2216.8	1897.5	1601.1	1323.8	1079.2	860.2	650.7
12.5°	3813.8	3401.0	3001.3	2622.0	2266.3	1937.7	1635.1	1349.6	1098.1	876.3	662.4
10°	3888.6	3467.1	3057.8	2669.9	2306.4	1970.4	1662.7	1371.4	1115.8	890.2	671.4
7.5°	3946.8	3518.9	3101.3	2706.9	2338.1	1997.8	1686.2	1390.1	1130.1	900.9	677.7
5°	3991.0	3559.4	3139.2	2737.8	2367.3	2019.9	1703.4	1403.6	1140.5	908.3	681.3
2.5°	4030.2	3589.7	3169.0	2757.9	2387.2	2034.3	1713.7	1411.7	1146.8	912.2	682.1
0°	4052.3	3604.3	3185.4	2766.5	2397.4	2040.7	1717.1	1414.4	1148.9	912.5	680.2
-2.5°	4030.2	3589.7	3169.0	2757.9	2387.2	2034.3	1713.7	1411.7	1146.8	912.2	682.1
-5°	3991.0	3559.4	3139.2	2737.8	2367.3	2019.9	1703.4	1403.6	1140.5	908.3	681.3
-7.5°	3946.8	3518.9	3101.3	2706.9	2338.1	1997.8	1686.2	1390.1	1130.1	900.9	677.7
-10°	3888.6	3467.1	3057.8	2669.9	2306.4	1970.4	1662.7	1371.4	1115.8	890.2	671.4
-12.5°	3813.8	3401.0	3001.3	2622.0	2266.3	1937.7	1635.1	1349.6	1098.1	876.3	662.4
-15°	3722.9	3321.0	2932.1	2563.4	2216.8	1897.5	1601.1	1323.8	1079.2	860.2	650.7
-17.5°	3617.1	3227.7	2850.6	2494.5	2158.0	1850.0	1560.8	1293.0	1056.4	842.4	638.2
-20°	3503.2	3125.0	2758.4	2415.5	2090.1	1795.5	1514.6	1257.2	1029.9	822.0	625.1



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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°	3376.7	3012.8	2661.7	2331.0	2017.2	1734.2	1462.6	1216.7	999.6	799.0	610.3
-25°	3237.6	2888.1	2553.8	2237.7	1942.3	1669.8	1408.5	1171.5	965.7	773.7	593.8
-27.5°	3089.3	2753.8	2434.7	2136.5	1861.3	1599.6	1353.0	1129.1	930.0	746.1	575.7
-30°	2930.2	2614.3	2314.0	2031.3	1774.1	1525.6	1292.8	1083.2	894.8	719.8	556.3
-32.5°	2757.5	2463.6	2188.0	1929.5	1685.4	1447.5	1229.0	1033.7	857.8	694.1	539.6
-35°	2581.8	2313.5	2056.4	1821.9	1593.8	1373.1	1165.4	980.8	819.0	667.6	522.9
-37.5°	2399.9	2159.9	1933.9	1712.8	1497.9	1294.2	1103.6	930.8	778.7	640.2	505.1
-40°	2228.1	2007.1	1801.4	1604.4	1404.8	1211.0	1037.5	881.3	743.7	612.1	486.1
-42.5°	2051.4	1858.0	1672.5	1490.9	1309.7	1133.9	968.8	828.4	706.8	587.1	466.2
-45°	1885.3	1709.4	1543.4	1380.1	1212.3	1052.8	906.9	774.2	667.4	563.0	445.1
-47.5°	1719.0	1568.6	1418.7	1267.7	1119.3	971.3	841.4	728.1	626.3	537.9	422.1
-50°	1567.3	1432.3	1297.6	1159.5	1021.1	895.8	776.8	679.9	589.9	505.5	397.2
-52.5°	1421.6	1303.9	1178.2	1050.3	931.3	816.9	721.5	630.7	552.3	469.9	370.5
-55°	1282.3	1175.2	1058.0	947.3	840.9	749.6	664.1	587.8	513.6	432.3	342.3
-57.5°	1143.2	1043.7	944.6	846.4	759.7	682.9	612.0	543.8	471.5	393.8	315.2
-60°	1005.8	921.2	833.0	755.3	683.1	619.1	562.8	497.9	427.9	354.7	283.8
-62.5°	875.4	801.1	734.7	668.2	609.3	558.7	512.2	449.6	383.6	315.0	250.1
-65°	751.4	693.1	637.1	584.9	537.6	496.0	457.3	400.5	336.2	273.7	216.2
-67.5°	630.9	587.2	543.1	500.9	466.1	432.8	399.8	345.6	286.7	231.1	183.7
-70°	521.8	484.8	451.9	423.7	396.1	367.8	333.6	287.1	235.6	191.6	150.3
-72.5°	414.3	389.7	367.7	347.0	324.1	297.1	266.0	228.2	188.6	151.2	116.1
-75°	308.2	298.0	287.1	272.3	251.2	227.0	202.6	173.3	140.7	109.9	87.6
-77.5°	223.6	217.2	209.4	200.6	184.1	164.8	142.6	117.4	96.1	79.0	61.1
-80°	147.9	146.3	142.8	136.1	120.6	103.0	89.9	76.2	62.9	48.9	34.4
-82.5°	81.9	82.7	82.7	80.2	70.8	60.9	50.5	39.7	29.4	18.7	14.9
-85°	39.2	38.3	36.2	32.8	25.8	18.6	16.2	14.0	12.7	11.3	10.0
-87.5°	11.9	12.0	12.0	11.9	10.6	9.3	8.1	7.0	6.4	5.7	5.0
-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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CATALOG NUMBER: GFLD-SA4B-735-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°	4.3	3.6	2.9	2.2	1.4	0.6	0.0
85°	8.6	7.2	5.8	4.3	2.9	1.3	0.0
82.5°	12.9	10.7	8.6	6.5	4.3	1.9	0.0
80°	19.3	14.3	11.5	8.6	5.7	2.5	0.0
77.5°	42.1	22.4	14.3	10.7	7.1	3.1	0.0
75°	64.3	38.8	18.6	12.9	8.5	3.7	0.0
72.5°	85.9	54.7	29.7	14.9	9.9	4.3	0.0
70°	107.4	70.0	40.4	17.9	11.2	4.9	0.0
67.5°	133.2	84.7	50.7	24.5	12.4	5.5	0.0
65°	158.0	101.1	60.5	30.9	13.7	6.0	0.0
62.5°	181.4	119.1	69.8	36.9	14.9	6.6	0.0
60°	203.6	136.2	78.5	42.7	16.0	7.1	0.0
57.5°	226.8	152.2	90.2	48.1	19.3	7.6	0.0
55°	248.9	167.1	101.3	53.1	22.4	8.1	0.0
52.5°	269.3	181.2	111.6	57.7	25.4	8.6	0.0
50°	288.1	196.2	121.1	62.0	28.3	9.0	0.0
47.5°	305.6	209.9	129.8	66.4	31.1	9.4	0.0
45°	325.1	222.3	137.6	72.2	33.7	9.8	0.0
42.5°	343.0	233.3	144.5	77.4	36.2	10.2	0.0
40°	359.2	242.9	151.5	82.7	38.6	10.5	0.0
37.5°	373.7	251.0	158.4	88.0	40.7	10.9	0.0
35°	386.5	260.5	164.3	92.9	42.8	11.1	0.0
32.5°	398.4	270.0	169.2	97.4	44.7	11.4	0.0
30°	410.7	278.1	173.2	101.6	46.4	11.6	0.0
27.5°	421.8	284.8	179.1	105.3	47.9	11.9	0.0
25°	431.5	290.2	184.7	108.7	49.3	12.0	0.0
22.5°	439.9	295.5	189.5	111.7	50.5	12.2	0.0
20°	446.8	302.9	193.8	114.2	51.6	12.3	0.0
17.5°	455.4	308.8	197.3	116.4	52.4	12.4	0.0
15°	464.3	313.5	200.2	118.2	53.1	12.5	0.0
12.5°	471.6	316.9	202.3	119.5	53.7	12.5	0.0
10°	477.1	319.0	203.8	120.5	54.1	12.6	0.0
7.5°	480.9	319.8	204.7	121.0	54.3	12.6	0.0
5°	482.8	319.4	204.8	121.2	54.3	12.5	0.0
2.5°	482.9	317.9	204.3	120.9	54.2	12.5	0.0
0°	481.1	315.2	203.2	120.3	53.9	12.4	0.0
-2.5°	482.9	317.9	204.3	120.9	54.2	12.5	0.0
-5°	482.8	319.4	204.8	121.2	54.3	12.5	0.0
-7.5°	480.9	319.8	204.7	121.0	54.3	12.6	0.0
-10°	477.1	319.0	203.8	120.5	54.1	12.6	0.0
-12.5°	471.6	316.9	202.3	119.5	53.7	12.5	0.0
-15°	464.3	313.5	200.2	118.2	53.1	12.5	0.0
-17.5°	455.4	308.8	197.3	116.4	52.4	12.4	0.0
-20°	446.8	302.9	193.8	114.2	51.6	12.3	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	439.9	295.5	189.5	111.7	50.5	12.2	0.0
-25°	431.5	290.2	184.7	108.7	49.3	12.0	0.0
-27.5°	421.8	284.8	179.1	105.3	47.9	11.9	0.0
-30°	410.7	278.1	173.2	101.6	46.4	11.6	0.0
-32.5°	398.4	270.0	169.2	97.4	44.7	11.4	0.0
-35°	386.5	260.5	164.3	92.9	42.8	11.1	0.0
-37.5°	373.7	251.0	158.4	88.0	40.7	10.9	0.0
-40°	359.2	242.9	151.5	82.7	38.6	10.5	0.0
-42.5°	343.0	233.3	144.5	77.4	36.2	10.2	0.0
-45°	325.1	222.3	137.6	72.2	33.7	9.8	0.0
-47.5°	305.6	209.9	129.8	66.4	31.1	9.4	0.0
-50°	288.1	196.2	121.1	62.0	28.3	9.0	0.0
-52.5°	269.3	181.2	111.6	57.7	25.4	8.6	0.0
-55°	248.9	167.1	101.3	53.1	22.4	8.1	0.0
-57.5°	226.8	152.2	90.2	48.1	19.3	7.6	0.0
-60°	203.6	136.2	78.5	42.7	16.0	7.1	0.0
-62.5°	181.4	119.1	69.8	36.9	14.9	6.6	0.0
-65°	158.0	101.1	60.5	30.9	13.7	6.0	0.0
-67.5°	133.2	84.7	50.7	24.5	12.4	5.5	0.0
-70°	107.4	70.0	40.4	17.9	11.2	4.9	0.0
-72.5°	85.9	54.7	29.7	14.9	9.9	4.3	0.0
-75°	64.3	38.8	18.6	12.9	8.5	3.7	0.0
-77.5°	42.1	22.4	14.3	10.7	7.1	3.1	0.0
-80°	19.3	14.3	11.5	8.6	5.7	2.5	0.0
-82.5°	12.9	10.7	8.6	6.5	4.3	1.9	0.0
-85°	8.6	7.2	5.8	4.3	2.9	1.3	0.0
-87.5°	4.3	3.6	2.9	2.2	1.4	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)