

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: P645427 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3D-722-U-LAM-VSR-XX**

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P645427 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/28/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA3D-722-U-LAM-VSR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

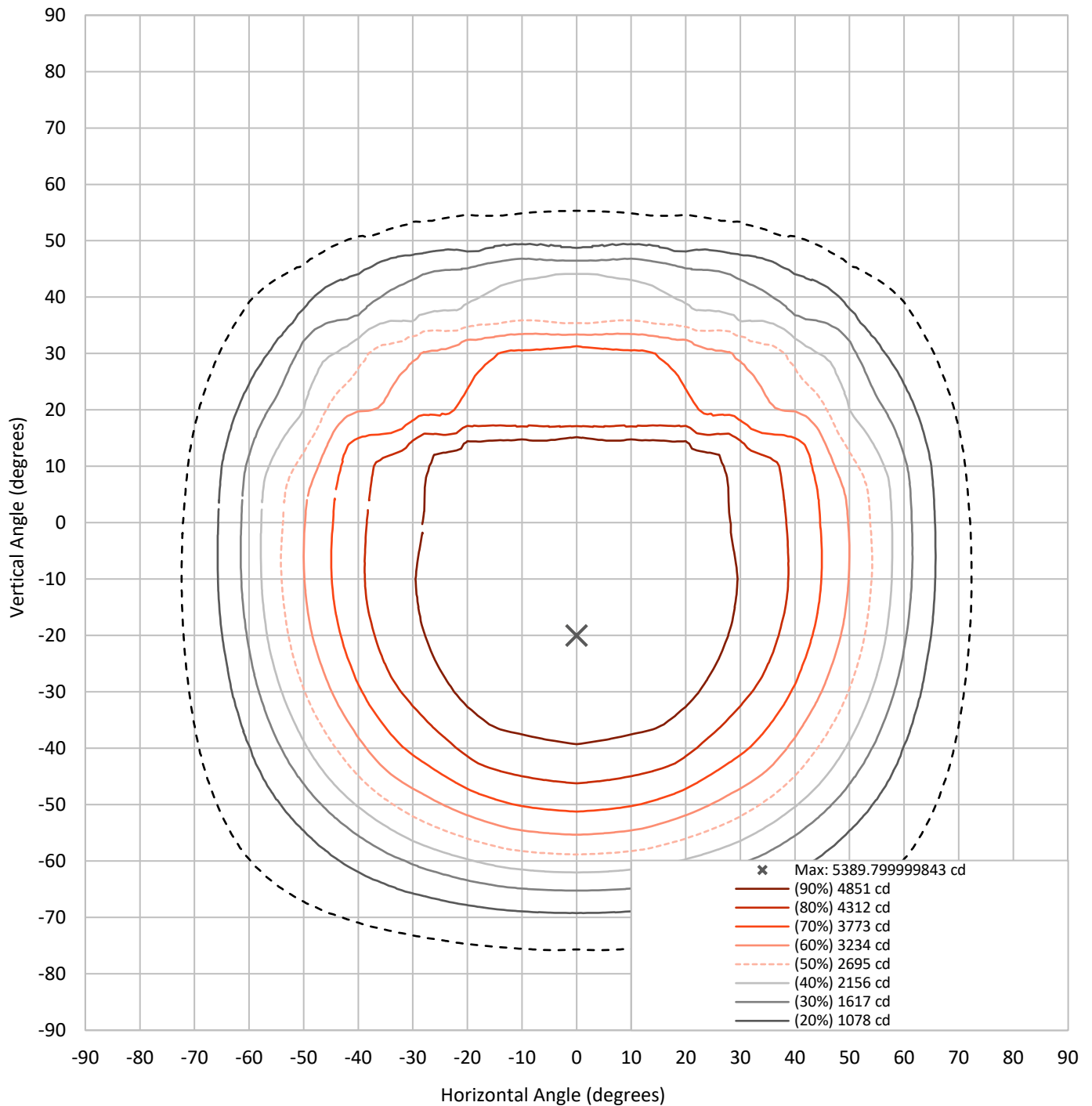
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	12638 lumens	Max Intensity:	5389.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	78.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	9879.6 lumens	Field Lumens:	12387 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	160.2		
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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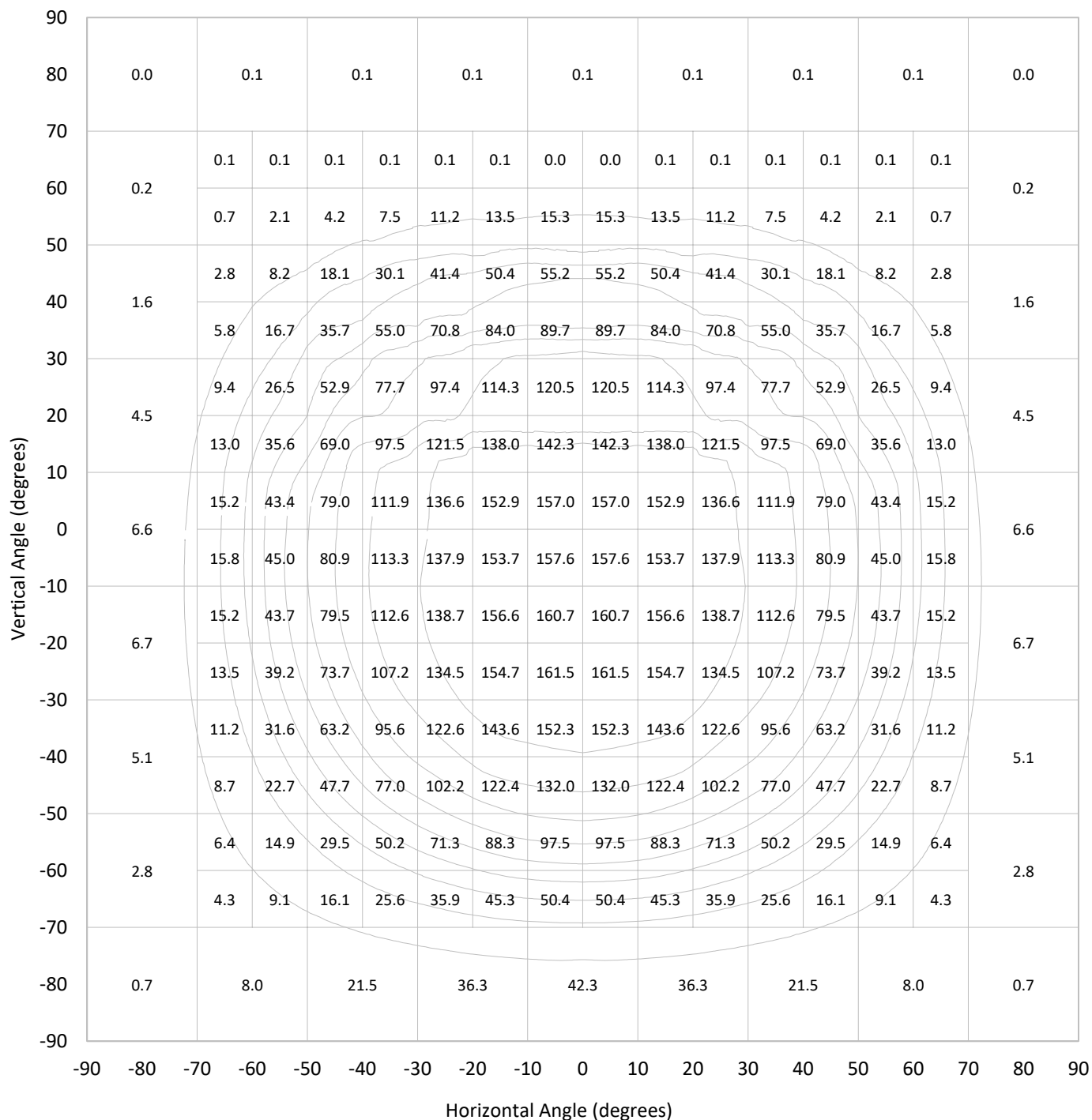
### Iso-Candela Plot





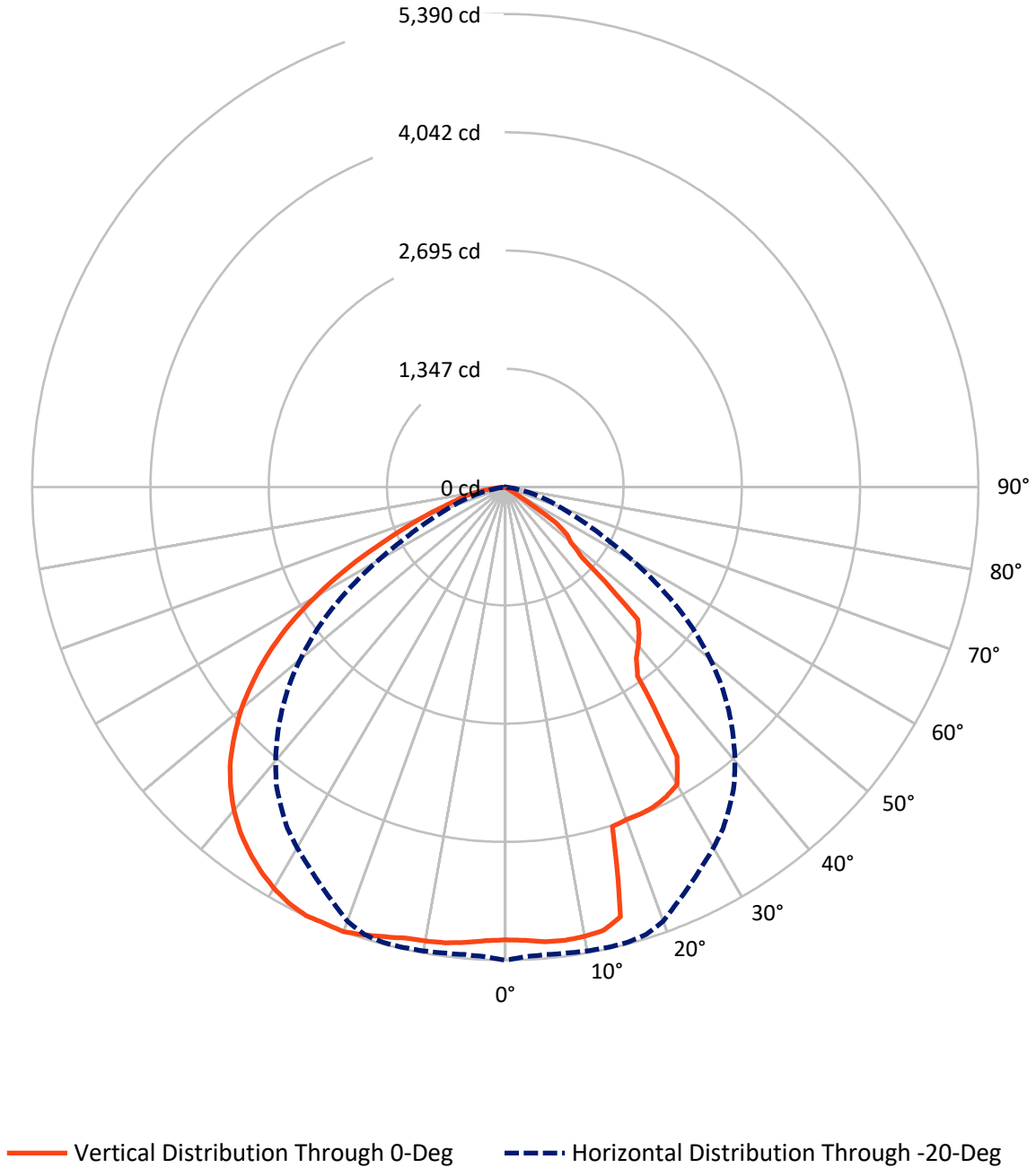
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### Lumen Table



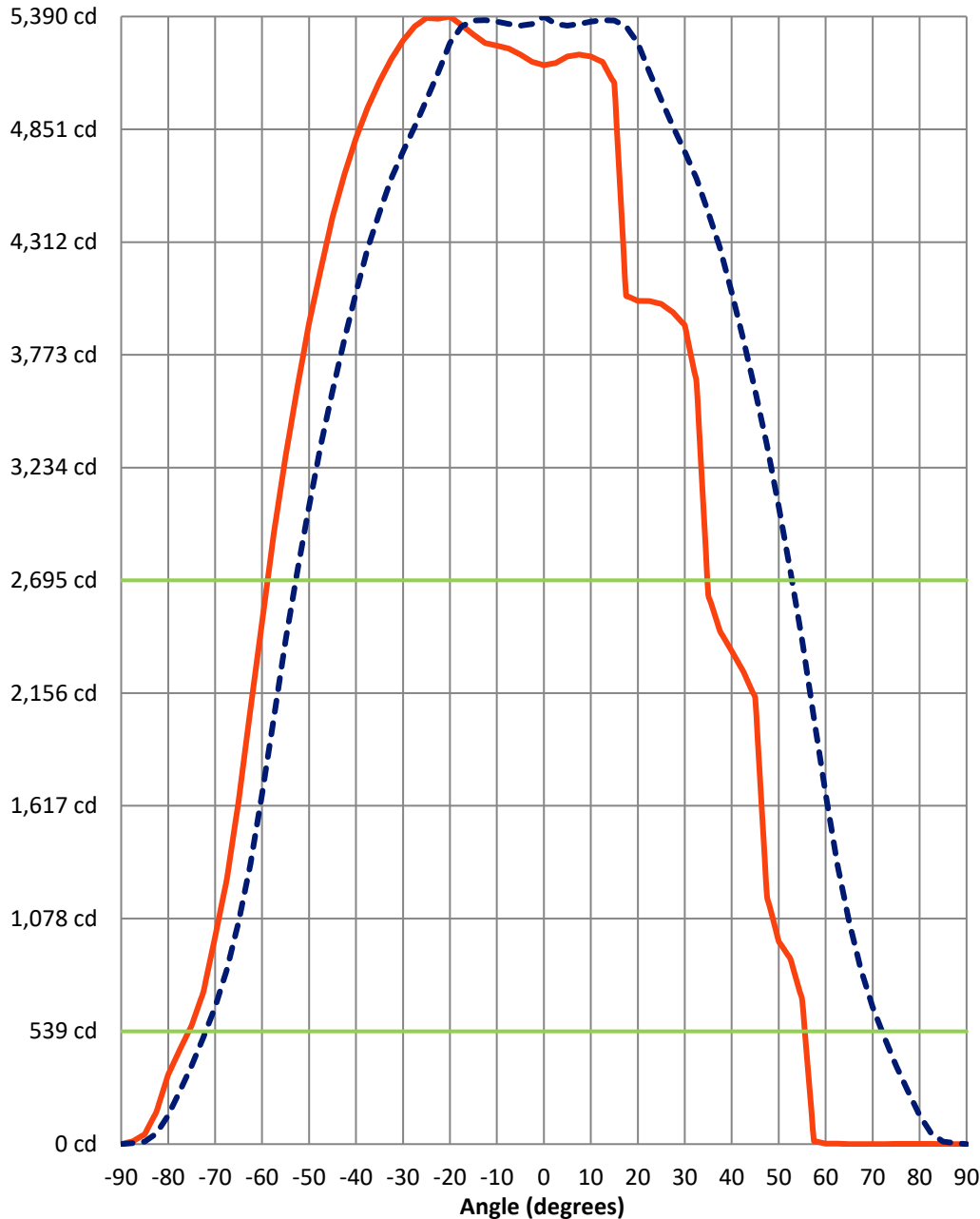
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 9879.6  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 12387  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 251  
 Efficiency: 2.0%

— Vertical Distribution through 0-Deg  
 - - - Horizontal Distribution through -20-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	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5
85°	0.0	0.3	0.4	0.6	0.8	1.0	1.2	1.2	1.2	1.1	1.0
82.5°	0.0	0.4	0.6	0.9	1.2	1.5	1.8	1.8	1.8	1.5	1.2
80°	0.0	0.5	0.8	1.2	1.6	2.0	2.3	2.1	1.8	1.5	1.2
77.5°	0.0	0.6	1.0	1.5	2.0	2.3	2.3	2.1	1.8	1.5	1.3
75°	0.0	0.8	1.2	1.8	2.3	2.4	2.3	2.1	1.8	1.6	1.3
72.5°	0.0	0.9	1.4	2.1	2.4	2.5	2.4	2.1	1.8	1.6	1.3
70°	0.0	1.0	1.6	2.3	2.5	2.6	2.4	2.1	1.9	1.6	1.9
67.5°	0.0	1.1	1.8	2.4	2.7	2.7	2.7	2.2	1.9	2.6	2.6
65°	0.0	1.2	2.0	2.6	2.8	3.1	3.1	2.2	3.1	3.6	4.5
62.5°	0.0	1.4	2.2	2.7	2.9	3.8	3.6	3.1	4.3	6.3	10.0
60°	0.0	1.5	2.5	2.8	3.1	4.6	4.3	4.3	5.5	16.0	17.4
57.5°	0.0	1.6	2.6	2.9	3.9	5.6	7.9	6.1	15.6	27.1	31.5
55°	0.0	1.7	2.7	3.1	4.9	6.6	12.6	9.9	29.0	41.9	51.1
52.5°	0.0	1.8	2.9	3.2	5.9	8.4	18.0	25.2	43.6	65.8	74.1
50°	0.0	2.0	3.0	3.3	7.0	14.3	24.3	42.6	62.3	92.3	115.7
47.5°	0.0	2.1	3.1	3.6	8.1	20.7	32.6	60.8	89.8	121.5	158.2
45°	0.0	2.2	3.3	4.5	9.2	27.5	49.2	79.9	120.5	158.4	199.5
42.5°	0.0	2.3	3.4	5.4	10.4	34.7	66.2	104.1	151.8	194.3	247.1
40°	0.0	2.4	3.6	6.5	14.0	42.3	83.6	131.6	184.0	229.4	298.1
37.5°	0.0	2.5	3.7	7.9	20.0	50.4	101.3	159.1	217.8	271.7	351.3
35°	0.0	2.6	3.9	9.4	26.1	62.6	119.3	186.7	252.1	323.7	414.2
32.5°	0.0	2.7	4.0	11.1	32.2	76.8	138.8	214.2	286.9	376.0	490.7
30°	0.0	2.8	4.2	12.9	38.4	90.9	161.1	241.9	321.9	428.3	564.1
27.5°	0.0	2.9	4.3	14.9	46.1	104.8	183.0	270.7	360.5	480.6	634.3
25°	0.0	2.9	4.5	16.9	54.0	118.5	204.3	299.3	403.9	537.8	701.2
22.5°	0.0	3.0	4.6	19.1	61.8	132.4	225.1	327.4	446.5	594.9	768.9
20°	0.0	3.1	4.8	21.3	69.6	147.4	245.1	354.9	488.0	648.8	834.9
17.5°	0.0	3.2	4.9	23.5	77.3	161.9	264.9	381.6	528.2	699.3	898.9
15°	0.0	3.2	5.1	25.7	84.7	175.8	284.0	406.4	566.8	746.5	960.4
12.5°	0.0	3.3	5.2	28.0	91.9	189.1	301.8	428.5	597.6	790.1	1018.8
10°	0.0	3.3	5.3	30.2	98.9	201.7	318.3	448.9	620.6	816.3	1066.5
7.5°	0.0	3.4	5.5	32.3	105.4	213.4	333.4	467.5	640.1	836.6	1094.3
5°	0.0	3.4	5.6	34.3	111.5	224.2	347.2	484.3	656.4	853.0	1116.9
2.5°	0.0	3.5	5.7	36.2	117.0	234.1	359.6	499.1	669.6	865.6	1134.2
0°	0.0	3.5	5.8	38.0	122.0	242.8	370.5	512.1	680.0	874.5	1146.1
-2.5°	0.0	3.7	6.7	40.5	126.6	248.3	375.9	519.6	683.7	885.8	1153.8
-5°	0.0	3.9	7.6	42.7	130.6	252.7	379.9	525.1	685.0	893.1	1156.3
-7.5°	0.0	4.1	8.4	44.8	133.8	255.9	382.4	528.6	684.1	896.1	1153.7
-10°	0.0	4.2	9.3	46.5	136.3	257.9	383.6	529.9	681.2	894.4	1146.3
-12.5°	0.0	4.4	10.1	48.0	137.9	258.7	383.4	529.0	676.5	887.1	1133.8
-15°	0.0	4.5	10.8	49.2	138.7	258.3	381.8	525.8	671.1	873.1	1115.5
-17.5°	0.0	4.7	11.5	50.1	138.6	256.7	379.0	519.5	664.6	855.5	1091.8
-20°	0.0	4.8	12.1	50.6	137.6	254.0	374.7	510.5	655.3	834.6	1062.5

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA3D-722-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	4.9	12.7	50.7	135.6	250.2	368.5	499.6	643.2	810.4	1027.7
-25°	0.0	4.9	13.2	50.5	132.7	244.1	360.7	487.0	628.3	783.2	987.4
-27.5°	0.0	5.0	13.7	49.9	128.9	236.7	351.6	472.6	610.4	756.9	951.7
-30°	0.0	5.0	14.0	48.9	124.0	228.1	341.0	456.6	591.0	734.6	913.6
-32.5°	0.0	5.0	14.3	47.4	118.4	218.6	329.0	441.9	570.3	708.9	872.9
-35°	0.0	5.0	14.5	45.6	112.1	208.1	316.0	426.3	548.0	679.7	829.6
-37.5°	0.0	5.0	14.6	43.3	105.2	197.5	302.0	409.1	524.0	647.1	786.9
-40°	0.0	4.9	14.6	40.6	97.7	187.9	286.9	390.3	498.6	616.4	744.7
-42.5°	0.0	4.9	14.5	37.7	92.0	177.6	270.8	369.9	474.0	583.8	699.4
-45°	0.0	4.8	14.3	34.7	88.1	166.7	253.7	348.8	448.8	549.1	652.3
-47.5°	0.0	4.7	14.1	31.4	83.5	155.1	235.6	327.6	421.8	512.8	611.6
-50°	0.0	4.5	13.7	30.3	78.2	143.0	220.5	305.5	392.0	479.4	569.0
-52.5°	0.0	4.4	13.3	29.7	72.3	130.2	205.4	282.3	363.5	445.0	525.2
-55°	0.0	4.2	12.8	28.7	65.7	120.6	189.6	258.9	334.9	409.7	486.4
-57.5°	0.0	4.0	12.1	27.5	58.4	110.7	173.3	240.3	305.3	375.8	446.8
-60°	0.0	3.7	11.5	25.9	50.8	100.0	156.8	219.7	275.7	341.6	407.1
-62.5°	0.0	3.5	10.8	24.1	47.2	88.5	141.6	197.3	248.3	306.4	368.3
-65°	0.0	3.2	10.0	22.0	43.1	76.1	125.4	174.1	219.2	271.2	328.6
-67.5°	0.0	3.0	9.2	19.6	38.5	65.8	108.2	151.0	188.7	234.4	285.7
-70°	0.0	2.7	8.3	17.0	33.5	57.6	90.0	127.4	161.3	195.9	240.0
-72.5°	0.0	2.4	7.4	15.0	28.1	48.8	76.1	103.3	133.4	164.0	194.9
-75°	0.0	2.1	6.4	13.0	22.4	39.4	62.2	83.2	105.0	131.7	158.7
-77.5°	0.0	1.7	5.4	11.0	18.5	29.6	47.7	64.3	81.7	100.4	121.8
-80°	0.0	1.4	4.4	8.9	14.9	22.5	32.6	45.1	58.5	73.0	88.6
-82.5°	0.0	1.1	3.3	6.7	11.3	17.0	23.9	29.0	35.0	45.2	56.2
-85°	0.0	0.7	2.2	4.5	7.6	11.4	16.0	19.4	22.8	26.4	30.1
-87.5°	0.0	0.4	1.1	2.3	3.8	5.7	8.0	9.7	11.4	13.2	15.1
-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: P645427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-U-LAM-VSR-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°	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9	1.0
85°	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
72.5°	1.4	1.5	1.5	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2
70°	1.8	1.9	1.7	1.4	1.2	1.3	1.4	1.3	1.2	1.2	1.2
67.5°	2.2	2.0	1.7	1.6	1.6	1.8	1.7	1.4	1.2	1.2	1.2
65°	2.3	2.0	2.9	3.3	2.4	2.1	1.8	1.5	1.6	1.7	1.7
62.5°	3.4	4.3	5.5	9.7	7.3	2.1	3.8	4.5	3.3	2.7	2.9
60°	11.2	7.7	22.7	32.5	20.3	7.4	9.0	30.1	26.1	4.8	16.3
57.5°	23.7	32.4	59.7	60.8	42.0	29.0	84.4	97.5	73.8	43.1	65.9
55°	52.1	79.9	99.0	91.6	100.1	151.6	180.1	161.8	136.3	209.6	267.7
52.5°	101.6	130.1	136.6	156.8	224.5	257.9	247.2	264.3	342.8	425.7	443.6
50°	150.0	173.3	191.5	276.9	329.8	333.2	357.8	435.5	540.1	590.8	578.6
47.5°	196.8	220.9	305.5	387.6	411.4	444.0	505.4	655.4	766.2	768.4	755.9
45°	246.3	310.7	418.7	472.2	510.8	573.8	722.2	929.2	939.9	970.0	1154.9
42.5°	299.2	412.2	506.4	562.0	624.3	741.9	940.0	1075.8	1122.5	1254.1	1402.8
40°	384.9	510.1	592.4	663.5	743.7	915.2	1132.2	1259.4	1297.3	1411.3	1523.1
37.5°	471.8	591.9	684.1	769.9	881.0	1112.6	1363.6	1468.5	1487.7	1508.5	1756.3
35°	555.6	675.8	786.2	898.5	1034.7	1368.1	1587.4	1686.1	1683.0	1823.7	2083.1
32.5°	633.9	761.5	891.9	1042.1	1266.8	1608.3	1827.8	1886.8	1976.4	2181.1	2535.2
30°	712.1	857.2	1006.8	1185.8	1470.5	1766.5	2017.0	2112.0	2265.6	2499.1	2756.8
27.5°	792.6	955.3	1136.2	1346.0	1631.3	1903.4	2117.3	2344.4	2493.5	2702.8	2886.1
25°	872.8	1059.1	1264.0	1485.9	1746.2	1999.8	2221.1	2483.3	2643.4	2812.1	2983.2
22.5°	956.9	1164.4	1395.8	1596.9	1843.1	2081.7	2345.2	2629.6	2837.8	2945.0	3059.9
20°	1044.8	1278.3	1525.1	1747.8	1938.7	2157.8	2469.8	2815.3	3084.1	3204.8	3220.6
17.5°	1131.5	1388.7	1654.0	1895.2	2101.0	2296.1	2600.7	3037.9	3372.1	3484.3	3534.2
15°	1216.0	1494.8	1782.2	2038.5	2264.5	2503.0	2828.3	3272.9	3655.0	3779.2	3857.6
12.5°	1297.6	1596.0	1908.3	2177.1	2428.1	2695.7	3035.0	3442.0	3790.8	4030.9	4174.9
10°	1375.3	1691.6	2030.8	2310.2	2589.8	2874.4	3206.1	3568.0	3851.9	4083.5	4287.9
7.5°	1414.5	1754.1	2135.9	2436.8	2747.5	3039.5	3346.1	3656.8	3895.9	4123.0	4320.7
5°	1441.2	1779.7	2168.8	2481.0	2831.3	3149.7	3447.4	3715.1	3924.6	4149.7	4342.9
2.5°	1460.2	1796.4	2191.0	2505.1	2862.7	3183.5	3476.5	3734.6	3948.3	4168.9	4366.6
0°	1471.7	1804.3	2202.4	2520.0	2882.4	3205.8	3493.4	3742.0	3964.1	4178.1	4391.0
-2.5°	1478.2	1828.4	2210.0	2558.2	2901.4	3225.0	3517.1	3759.8	3991.9	4195.5	4408.9
-5°	1477.4	1842.8	2208.0	2583.8	2910.6	3232.5	3529.0	3767.8	4006.9	4208.6	4416.2
-7.5°	1469.4	1846.1	2198.0	2591.8	2911.0	3229.9	3523.8	3771.6	4006.7	4220.5	4416.9
-10°	1455.0	1833.1	2188.8	2571.1	2899.8	3216.8	3507.9	3763.2	3997.3	4218.1	4413.1
-12.5°	1438.2	1806.2	2169.6	2541.1	2877.1	3192.4	3483.7	3741.6	3979.8	4200.0	4404.2
-15°	1412.9	1770.4	2138.1	2503.1	2842.6	3156.8	3452.4	3706.5	3952.8	4168.5	4378.1
-17.5°	1378.9	1726.0	2093.7	2458.0	2796.0	3110.4	3412.1	3660.1	3905.2	4128.0	4330.4
-20°	1336.0	1673.5	2036.1	2406.7	2737.0	3048.0	3340.4	3600.0	3843.5	4070.2	4282.8



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 CATALOG NUMBER: GFLD-SA3D-722-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1284.2	1613.1	1966.7	2337.5	2663.3	2970.8	3259.7	3523.4	3775.8	3995.0	4221.6
-25°	1232.3	1549.3	1890.0	2241.6	2577.7	2883.8	3173.6	3430.6	3688.5	3916.5	4131.8
-27.5°	1182.6	1475.2	1801.0	2136.1	2480.7	2785.4	3072.5	3329.7	3580.1	3829.4	4036.6
-30°	1126.8	1389.6	1703.5	2023.5	2359.4	2669.6	2958.9	3225.8	3464.1	3710.2	3932.7
-32.5°	1065.2	1298.7	1600.4	1908.3	2225.0	2542.1	2828.7	3093.7	3341.6	3574.5	3808.1
-35°	1005.0	1225.3	1491.2	1784.6	2082.6	2393.7	2680.5	2943.0	3200.3	3430.9	3654.1
-37.5°	950.9	1145.7	1375.1	1655.4	1940.2	2234.4	2526.1	2780.2	3025.0	3278.7	3496.3
-40°	892.3	1060.4	1274.5	1522.3	1790.7	2070.5	2349.8	2612.7	2842.8	3093.5	3332.9
-42.5°	830.9	990.9	1175.3	1381.4	1634.8	1898.6	2168.2	2425.4	2664.3	2900.8	3138.0
-45°	777.2	917.3	1074.4	1262.7	1469.0	1717.1	1972.4	2228.8	2458.1	2683.4	2917.7
-47.5°	720.0	843.3	988.6	1139.0	1318.3	1525.8	1765.9	2002.3	2237.1	2451.4	2658.7
-50°	663.1	776.8	896.1	1031.5	1179.5	1347.7	1547.1	1766.9	1981.3	2201.4	2406.8
-52.5°	614.1	706.7	814.6	927.6	1054.3	1193.4	1353.2	1533.7	1728.7	1915.5	2120.4
-55°	563.1	646.7	733.7	833.2	938.6	1056.1	1187.1	1338.8	1487.6	1660.3	1827.6
-57.5°	516.7	587.2	661.4	743.6	835.1	929.1	1043.6	1161.6	1296.6	1430.9	1563.4
-60°	473.0	530.5	593.5	663.0	736.6	820.3	905.7	1007.1	1115.9	1223.0	1335.4
-62.5°	428.8	477.3	528.6	586.3	650.5	713.7	786.7	864.8	944.9	1035.7	1124.3
-65°	383.5	422.6	466.2	514.1	565.2	619.1	675.1	733.0	801.1	867.6	932.0
-67.5°	335.3	368.8	404.0	441.8	484.7	527.0	569.2	618.0	668.1	717.4	768.4
-70°	281.9	313.5	342.8	373.4	405.4	438.5	474.5	510.3	545.7	582.6	623.6
-72.5°	227.6	256.6	282.5	305.0	331.3	358.8	385.1	410.3	437.0	465.0	492.7
-75°	181.5	200.7	223.7	244.8	265.7	285.0	302.4	323.8	346.0	366.4	383.1
-77.5°	141.6	159.1	174.9	189.0	205.6	225.0	241.9	256.5	270.6	286.0	302.4
-80°	103.0	117.5	131.9	145.0	154.5	165.5	178.5	193.3	206.2	216.7	226.2
-82.5°	66.5	77.0	87.7	98.6	103.0	106.0	108.9	114.0	122.0	129.9	137.4
-85°	33.2	36.2	42.7	49.4	51.7	53.3	54.4	55.1	57.8	60.3	62.4
-87.5°	16.6	18.1	19.6	21.1	20.3	19.2	17.9	16.3	15.9	15.4	14.9
-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-SA3D-722-U-LAM-VSR-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°	1.0	1.0	1.0	1.1	1.1	0.8	0.6	0.3	0.0	0.0	0.0
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	0.9	0.6
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
67.5°	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	0.8
65°	1.6	1.6	1.7	1.6	1.5	1.4	1.5	1.4	1.3	1.0	0.7
62.5°	2.9	3.3	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	2.0
60°	18.1	10.7	6.3	7.3	6.6	4.4	5.6	6.5	6.6	6.0	5.3
57.5°	100.0	74.7	55.3	132.0	132.5	63.2	76.1	119.7	98.6	32.4	30.1
55°	278.2	332.8	438.0	416.0	422.8	486.3	530.9	470.0	460.8	491.0	567.2
52.5°	499.9	551.9	587.3	620.4	660.7	703.9	748.5	776.9	803.5	831.8	848.6
50°	638.4	711.6	761.9	743.4	847.7	890.3	847.0	885.7	933.0	945.9	952.0
47.5°	942.6	1050.0	1071.3	1140.6	1202.8	1201.5	1148.7	1151.7	1292.3	1416.3	1477.2
45°	1354.6	1358.3	1425.8	1548.1	1635.5	1608.0	1681.7	1849.4	1905.2	1959.2	2003.4
42.5°	1515.1	1581.7	1689.5	1797.6	1862.7	1919.2	1973.8	2035.4	2107.9	2166.7	2213.7
40°	1670.6	1724.1	1834.6	1921.6	1975.6	2028.3	2091.9	2160.2	2226.5	2278.2	2313.5
37.5°	1909.8	1951.3	1978.2	2059.0	2161.0	2113.9	2234.7	2321.3	2360.8	2413.3	2418.0
35°	2271.7	2244.1	2208.2	2529.9	2549.2	2440.6	2553.5	2687.7	2616.9	2764.2	2843.4
32.5°	2592.6	2588.4	2869.2	3038.4	2941.1	3020.5	3280.7	3269.2	3442.7	3523.2	3500.2
30°	2894.8	2998.0	3160.4	3286.4	3303.2	3428.4	3544.0	3645.3	3750.0	3843.9	3850.3
27.5°	3048.3	3182.9	3293.2	3366.0	3447.4	3552.7	3657.6	3771.6	3860.7	3919.6	3934.0
25°	3141.1	3278.6	3362.1	3440.5	3530.3	3621.2	3738.7	3862.9	3934.4	3970.7	3982.3
22.5°	3223.0	3346.5	3436.2	3499.9	3596.5	3694.3	3803.8	3909.0	3986.7	4002.5	4008.3
20°	3301.8	3420.4	3570.3	3664.0	3659.4	3769.5	3875.1	3958.7	4023.5	4023.1	4024.6
17.5°	3529.6	3572.0	3844.0	4050.5	3948.2	3894.3	4184.5	4190.0	4207.2	4172.9	4098.7
15°	3867.0	3944.2	4278.4	4502.2	4431.7	4428.0	4847.1	4743.1	4832.6	4809.2	4909.9
12.5°	4224.5	4315.8	4565.5	4785.3	4890.0	4915.8	5055.7	5186.9	5213.9	5203.2	5183.5
10°	4468.0	4598.1	4698.4	4831.8	4937.4	5045.2	5126.2	5220.4	5251.3	5233.5	5208.3
7.5°	4499.7	4628.3	4746.0	4863.1	4963.7	5050.5	5134.6	5211.3	5242.7	5232.4	5215.0
5°	4519.8	4636.3	4750.5	4869.2	4965.4	5045.9	5129.7	5207.4	5225.9	5213.5	5196.6
2.5°	4532.2	4640.1	4750.0	4868.4	4955.8	5032.3	5117.2	5200.1	5199.9	5194.5	5184.6
0°	4538.3	4646.4	4774.1	4881.2	4979.0	5051.5	5135.5	5216.0	5210.3	5195.3	5178.0
-2.5°	4551.2	4660.8	4791.2	4879.8	4990.1	5056.5	5143.3	5213.1	5210.4	5203.0	5194.5
-5°	4562.7	4686.0	4807.9	4901.2	5011.8	5098.6	5184.9	5239.4	5242.3	5232.0	5217.7
-7.5°	4569.7	4706.4	4822.7	4916.4	5023.6	5124.6	5212.1	5269.3	5270.6	5257.0	5239.8
-10°	4567.4	4711.7	4831.4	4928.2	5038.0	5137.7	5229.2	5301.8	5299.4	5286.5	5271.8
-12.5°	4558.8	4702.9	4825.9	4922.9	5047.6	5150.3	5253.2	5325.4	5329.2	5319.5	5303.6
-15°	4539.8	4688.6	4808.2	4914.2	5036.4	5156.4	5262.2	5341.8	5356.0	5348.1	5335.5
-17.5°	4502.3	4659.3	4786.2	4900.5	5017.7	5145.6	5265.9	5353.0	5372.4	5369.2	5358.8
-20°	4453.1	4615.1	4743.9	4863.6	4991.2	5123.0	5263.0	5342.6	5370.7	5372.5	5365.5



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4397.8	4556.4	4693.0	4810.8	4949.2	5082.5	5209.3	5302.5	5349.8	5358.6	5359.2
-25°	4331.5	4494.5	4630.2	4755.6	4884.3	5022.1	5150.2	5254.2	5302.2	5325.2	5332.3
-27.5°	4237.9	4406.3	4539.9	4672.4	4803.3	4945.6	5080.3	5193.4	5232.4	5264.0	5276.7
-30°	4128.2	4294.8	4431.0	4552.1	4701.9	4846.9	4985.9	5084.6	5143.5	5179.6	5199.3
-32.5°	4002.1	4170.3	4313.2	4439.7	4582.1	4727.1	4857.8	4961.9	5043.1	5084.7	5105.8
-35°	3865.3	4037.0	4186.7	4319.9	4454.0	4592.2	4727.6	4836.6	4929.1	4964.8	4991.2
-37.5°	3700.4	3889.7	4043.2	4180.6	4307.9	4437.9	4579.0	4703.5	4793.3	4828.0	4855.8
-40°	3531.2	3714.3	3869.0	4015.5	4141.4	4283.3	4419.2	4549.8	4627.7	4668.1	4699.7
-42.5°	3352.6	3518.0	3665.1	3807.5	3947.7	4093.8	4229.6	4365.2	4432.6	4481.4	4520.0
-45°	3146.5	3300.3	3443.3	3576.6	3721.1	3864.7	4000.5	4120.4	4200.6	4264.1	4313.5
-47.5°	2871.6	3059.0	3202.6	3329.4	3472.7	3611.2	3742.8	3855.5	3943.5	4017.7	4075.1
-50°	2592.4	2772.3	2934.3	3076.6	3209.6	3337.8	3463.1	3573.3	3666.4	3746.8	3804.9
-52.5°	2317.6	2486.1	2646.8	2793.7	2921.5	3042.5	3157.2	3268.1	3366.3	3452.3	3508.5
-55°	2006.9	2181.5	2340.4	2477.5	2605.2	2724.8	2838.0	2943.2	3039.8	3127.5	3181.3
-57.5°	1715.6	1868.7	2016.6	2143.1	2263.6	2377.5	2484.9	2585.6	2678.6	2761.0	2812.9
-60°	1447.7	1559.4	1686.6	1803.5	1910.3	2007.2	2107.4	2201.3	2286.7	2359.2	2407.6
-62.5°	1210.9	1303.4	1395.4	1484.2	1570.9	1658.0	1741.8	1819.7	1891.1	1950.5	1992.9
-65°	1000.0	1074.3	1140.8	1203.8	1263.8	1332.5	1396.2	1456.2	1511.7	1557.2	1589.5
-67.5°	823.4	875.7	921.6	964.8	1012.1	1060.7	1106.2	1145.8	1179.7	1206.7	1228.0
-70°	664.0	702.4	737.1	771.6	806.1	837.7	867.8	896.9	924.6	947.2	964.1
-72.5°	520.0	546.3	569.9	596.4	621.3	645.2	666.1	682.9	696.0	708.7	719.7
-75°	396.4	416.2	442.8	465.3	483.9	500.3	515.4	528.8	540.6	551.0	560.2
-77.5°	318.8	335.6	352.5	369.0	384.8	396.6	407.6	418.6	429.3	438.6	446.7
-80°	236.3	248.8	261.9	275.1	288.2	294.7	299.9	304.7	308.9	314.5	319.6
-82.5°	144.5	151.6	158.9	166.2	173.6	175.4	176.1	175.9	174.9	172.9	169.9
-85°	64.3	64.7	64.5	63.7	62.5	60.0	56.9	53.3	49.2	48.6	47.8
-87.5°	14.2	13.9	13.5	13.0	12.5	12.5	12.5	12.4	12.3	12.7	13.0
-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):**

	-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
85°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	1.1	1.1
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	0.6	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	0.6	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.2
67.5°	0.4	0.1	0.0	0.0	0.0	0.1	0.4	0.8	1.1	1.2	1.2
65°	0.4	0.1	0.0	0.0	0.0	0.1	0.4	0.7	1.0	1.3	1.4
62.5°	2.1	2.2	2.3	2.3	2.3	2.2	2.1	2.0	2.0	2.1	2.2
60°	4.2	2.7	2.3	2.3	2.3	2.7	4.2	5.3	6.0	6.6	6.5
57.5°	25.4	19.0	16.2	15.0	16.2	19.0	25.4	30.1	32.4	98.6	119.7
55°	621.9	653.6	677.2	688.1	677.2	653.6	621.9	567.2	491.0	460.8	470.0
52.5°	863.4	877.2	885.1	884.9	885.1	877.2	863.4	848.6	831.8	803.5	776.9
50°	962.4	969.1	971.5	970.0	971.5	969.1	962.4	952.0	945.9	933.0	885.7
47.5°	1421.6	1298.6	1208.1	1186.3	1208.1	1298.6	1421.6	1477.2	1416.3	1292.3	1151.7
45°	2024.7	2071.3	2117.8	2132.2	2117.8	2071.3	2024.7	2003.4	1959.2	1905.2	1849.4
42.5°	2233.5	2248.7	2257.3	2257.6	2257.3	2248.7	2233.5	2213.7	2166.7	2107.9	2035.4
40°	2333.2	2347.5	2355.8	2356.6	2355.8	2347.5	2333.2	2313.5	2278.2	2226.5	2160.2
37.5°	2423.7	2435.9	2443.9	2452.1	2443.9	2435.9	2423.7	2418.0	2413.3	2360.8	2321.3
35°	2832.8	2740.1	2606.8	2627.0	2606.8	2740.1	2832.8	2843.4	2764.2	2616.9	2687.7
32.5°	3536.1	3575.0	3599.3	3640.7	3599.3	3575.0	3536.1	3500.2	3523.2	3442.7	3269.2
30°	3860.6	3873.5	3893.0	3913.4	3893.0	3873.5	3860.6	3850.3	3843.9	3750.0	3645.3
27.5°	3941.6	3954.9	3966.7	3975.6	3966.7	3954.9	3941.6	3934.0	3919.6	3860.7	3771.6
25°	3984.0	3992.2	4004.8	4015.9	4004.8	3992.2	3984.0	3982.3	3970.7	3934.4	3862.9
22.5°	4005.0	4005.8	4015.7	4029.7	4015.7	4005.8	4005.0	4008.3	4002.5	3986.7	3909.0
20°	4019.4	4011.6	4021.8	4030.8	4021.8	4011.6	4019.4	4024.6	4023.1	4023.5	3958.7
17.5°	4203.4	4098.4	4055.3	4056.1	4055.3	4098.4	4203.4	4098.7	4172.9	4207.2	4190.0
15°	4796.8	4836.2	4987.2	5068.7	4987.2	4836.2	4796.8	4909.9	4809.2	4832.6	4743.1
12.5°	5179.8	5165.8	5147.8	5172.3	5147.8	5165.8	5179.8	5183.5	5203.2	5213.9	5186.9
10°	5197.5	5195.9	5164.0	5198.7	5164.0	5195.9	5197.5	5208.3	5233.5	5251.3	5220.4
7.5°	5186.6	5187.6	5174.0	5208.0	5174.0	5187.6	5186.6	5215.0	5232.4	5242.7	5211.3
5°	5193.8	5170.5	5179.3	5198.7	5179.3	5170.5	5193.8	5196.6	5213.5	5225.9	5207.4
2.5°	5173.8	5171.3	5154.1	5167.7	5154.1	5171.3	5173.8	5184.6	5194.5	5199.9	5200.1
0°	5158.5	5145.8	5145.8	5157.3	5145.8	5145.8	5158.5	5178.0	5195.3	5210.3	5216.0
-2.5°	5185.7	5183.0	5181.3	5173.4	5181.3	5183.0	5185.7	5194.5	5203.0	5210.4	5213.1
-5°	5208.0	5201.2	5182.4	5208.0	5182.4	5201.2	5208.0	5217.7	5232.0	5242.3	5239.4
-7.5°	5232.2	5214.6	5196.8	5236.7	5196.8	5214.6	5232.2	5239.8	5257.0	5270.6	5269.3
-10°	5254.1	5228.8	5211.5	5250.5	5211.5	5228.8	5254.1	5271.8	5286.5	5299.4	5301.8
-12.5°	5283.2	5253.6	5242.0	5263.2	5242.0	5253.6	5283.2	5303.6	5319.5	5329.2	5325.4
-15°	5314.1	5293.7	5290.9	5303.5	5290.9	5293.7	5314.1	5335.5	5348.1	5356.0	5341.8
-17.5°	5341.3	5327.0	5334.1	5348.3	5334.1	5327.0	5341.3	5358.8	5369.2	5372.4	5353.0
-20°	5354.3	5346.3	5354.3	5389.8	5354.3	5346.3	5354.3	5365.5	5372.5	5370.7	5342.6



REPORT NUMBER: P645427 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-722-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5353.2	5353.7	5367.8	5379.4	5367.8	5353.7	5353.2	5359.2	5358.6	5349.8	5302.5
-25°	5332.8	5343.6	5359.7	5382.9	5359.7	5343.6	5332.8	5332.3	5325.2	5302.2	5254.2
-27.5°	5283.6	5301.4	5318.3	5342.6	5318.3	5301.4	5283.6	5276.7	5264.0	5232.4	5193.4
-30°	5212.3	5233.6	5248.7	5274.7	5248.7	5233.6	5212.3	5199.3	5179.6	5143.5	5084.6
-32.5°	5125.6	5149.7	5167.5	5186.1	5167.5	5149.7	5125.6	5105.8	5084.7	5043.1	4961.9
-35°	5017.3	5043.2	5062.1	5079.1	5062.1	5043.2	5017.3	4991.2	4964.8	4929.1	4836.6
-37.5°	4887.1	4915.0	4936.6	4956.0	4936.6	4915.0	4887.1	4855.8	4828.0	4793.3	4703.5
-40°	4735.4	4764.1	4787.1	4808.7	4787.1	4764.1	4735.4	4699.7	4668.1	4627.7	4549.8
-42.5°	4558.1	4587.0	4610.8	4632.6	4610.8	4587.0	4558.1	4520.0	4481.4	4432.6	4365.2
-45°	4353.3	4383.0	4408.1	4431.2	4408.1	4383.0	4353.3	4313.5	4264.1	4200.6	4120.4
-47.5°	4117.4	4149.3	4170.8	4181.6	4170.8	4149.3	4117.4	4075.1	4017.7	3943.5	3855.5
-50°	3847.1	3878.9	3904.7	3923.8	3904.7	3878.9	3847.1	3804.9	3746.8	3666.4	3573.3
-52.5°	3549.5	3579.8	3602.0	3615.4	3602.0	3579.8	3549.5	3508.5	3452.3	3366.3	3268.1
-55°	3223.7	3255.4	3276.4	3286.3	3276.4	3255.4	3223.7	3181.3	3127.5	3039.8	2943.2
-57.5°	2854.1	2884.3	2906.7	2919.3	2906.7	2884.3	2854.1	2812.9	2761.0	2678.6	2585.6
-60°	2445.3	2472.2	2489.2	2495.8	2489.2	2472.2	2445.3	2407.6	2359.2	2286.7	2201.3
-62.5°	2027.1	2052.6	2068.5	2074.7	2068.5	2052.6	2027.1	1992.9	1950.5	1891.1	1819.7
-65°	1613.6	1629.6	1638.4	1639.7	1638.4	1629.6	1613.6	1589.5	1557.2	1511.7	1456.2
-67.5°	1244.8	1257.0	1264.4	1266.9	1264.4	1257.0	1244.8	1228.0	1206.7	1179.7	1145.8
-70°	976.7	985.1	989.9	990.7	989.9	985.1	976.7	964.1	947.2	924.6	896.9
-72.5°	728.2	734.2	732.1	727.2	732.1	734.2	728.2	719.7	708.7	696.0	682.9
-75°	568.1	574.7	572.0	567.3	572.0	574.7	568.1	560.2	551.0	540.6	528.8
-77.5°	453.9	459.9	456.9	452.2	456.9	459.9	453.9	446.7	438.6	429.3	418.6
-80°	324.1	327.6	330.1	331.4	330.1	327.6	324.1	319.6	314.5	308.9	304.7
-82.5°	165.9	161.0	157.9	154.2	157.9	161.0	165.9	169.9	172.9	174.9	175.9
-85°	46.9	45.8	46.5	47.2	46.5	45.8	46.9	47.8	48.6	49.2	53.3
-87.5°	13.4	13.7	13.8	13.8	13.8	13.7	13.4	13.0	12.7	12.3	12.4
-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: P645427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-U-LAM-VSR-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°	0.6	0.8	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.8
85°	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.2	1.4
65°	1.5	1.4	1.5	1.6	1.7	1.6	1.6	1.7	1.7	1.6	1.5
62.5°	2.3	2.4	2.5	2.6	2.6	3.3	2.9	2.9	2.7	3.3	4.5
60°	5.6	4.4	6.6	7.3	6.3	10.7	18.1	16.3	4.8	26.1	30.1
57.5°	76.1	63.2	132.5	132.0	55.3	74.7	100.0	65.9	43.1	73.8	97.5
55°	530.9	486.3	422.8	416.0	438.0	332.8	278.2	267.7	209.6	136.3	161.8
52.5°	748.5	703.9	660.7	620.4	587.3	551.9	499.9	443.6	425.7	342.8	264.3
50°	847.0	890.3	847.7	743.4	761.9	711.6	638.4	578.6	590.8	540.1	435.5
47.5°	1148.7	1201.5	1202.8	1140.6	1071.3	1050.0	942.6	755.9	768.4	766.2	655.4
45°	1681.7	1608.0	1635.5	1548.1	1425.8	1358.3	1354.6	1154.9	970.0	939.9	929.2
42.5°	1973.8	1919.2	1862.7	1797.6	1689.5	1581.7	1515.1	1402.8	1254.1	1122.5	1075.8
40°	2091.9	2028.3	1975.6	1921.6	1834.6	1724.1	1670.6	1523.1	1411.3	1297.3	1259.4
37.5°	2234.7	2113.9	2161.0	2059.0	1978.2	1951.3	1909.8	1756.3	1508.5	1487.7	1468.5
35°	2553.5	2440.6	2549.2	2529.9	2208.2	2244.1	2271.7	2083.1	1823.7	1683.0	1686.1
32.5°	3280.7	3020.5	2941.1	3038.4	2869.2	2588.4	2592.6	2535.2	2181.1	1976.4	1886.8
30°	3544.0	3428.4	3303.2	3286.4	3160.4	2998.0	2894.8	2756.8	2499.1	2265.6	2112.0
27.5°	3657.6	3552.7	3447.4	3366.0	3293.2	3182.9	3048.3	2886.1	2702.8	2493.5	2344.4
25°	3738.7	3621.2	3530.3	3440.5	3362.1	3278.6	3141.1	2983.2	2812.1	2643.4	2483.3
22.5°	3803.8	3694.3	3596.5	3499.9	3436.2	3346.5	3223.0	3059.9	2945.0	2837.8	2629.6
20°	3875.1	3769.5	3659.4	3664.0	3570.3	3420.4	3301.8	3220.6	3204.8	3084.1	2815.3
17.5°	4184.5	3894.3	3948.2	4050.5	3844.0	3572.0	3529.6	3534.2	3484.3	3372.1	3037.9
15°	4847.1	4428.0	4431.7	4502.2	4278.4	3944.2	3867.0	3857.6	3779.2	3655.0	3272.9
12.5°	5055.7	4915.8	4890.0	4785.3	4565.5	4315.8	4224.5	4174.9	4030.9	3790.8	3442.0
10°	5126.2	5045.2	4937.4	4831.8	4698.4	4598.1	4468.0	4287.9	4083.5	3851.9	3568.0
7.5°	5134.6	5050.5	4963.7	4863.1	4746.0	4628.3	4499.7	4320.7	4123.0	3895.9	3656.8
5°	5129.7	5045.9	4965.4	4869.2	4750.5	4636.3	4519.8	4342.9	4149.7	3924.6	3715.1
2.5°	5117.2	5032.3	4955.8	4868.4	4750.0	4640.1	4532.2	4366.6	4168.9	3948.3	3734.6
0°	5135.5	5051.5	4979.0	4881.2	4774.1	4646.4	4538.3	4391.0	4178.1	3964.1	3742.0
-2.5°	5143.3	5056.5	4990.1	4879.8	4791.2	4660.8	4551.2	4408.9	4195.5	3991.9	3759.8
-5°	5184.9	5098.6	5011.8	4901.2	4807.9	4686.0	4562.7	4416.2	4208.6	4006.9	3767.8
-7.5°	5212.1	5124.6	5023.6	4916.4	4822.7	4706.4	4569.7	4416.9	4220.5	4006.7	3771.6
-10°	5229.2	5137.7	5038.0	4928.2	4831.4	4711.7	4567.4	4413.1	4218.1	3997.3	3763.2
-12.5°	5253.2	5150.3	5047.6	4922.9	4825.9	4702.9	4558.8	4404.2	4200.0	3979.8	3741.6
-15°	5262.2	5156.4	5036.4	4914.2	4808.2	4688.6	4539.8	4378.1	4168.5	3952.8	3706.5
-17.5°	5265.9	5145.6	5017.7	4900.5	4786.2	4659.3	4502.3	4330.4	4128.0	3905.2	3660.1
-20°	5263.0	5123.0	4991.2	4863.6	4743.9	4615.1	4453.1	4282.8	4070.2	3843.5	3600.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5209.3	5082.5	4949.2	4810.8	4693.0	4556.4	4397.8	4221.6	3995.0	3775.8	3523.4
-25°	5150.2	5022.1	4884.3	4755.6	4630.2	4494.5	4331.5	4131.8	3916.5	3688.5	3430.6
-27.5°	5080.3	4945.6	4803.3	4672.4	4539.9	4406.3	4237.9	4036.6	3829.4	3580.1	3329.7
-30°	4985.9	4846.9	4701.9	4552.1	4431.0	4294.8	4128.2	3932.7	3710.2	3464.1	3225.8
-32.5°	4857.8	4727.1	4582.1	4439.7	4313.2	4170.3	4002.1	3808.1	3574.5	3341.6	3093.7
-35°	4727.6	4592.2	4454.0	4319.9	4186.7	4037.0	3865.3	3654.1	3430.9	3200.3	2943.0
-37.5°	4579.0	4437.9	4307.9	4180.6	4043.2	3889.7	3700.4	3496.3	3278.7	3025.0	2780.2
-40°	4419.2	4283.3	4141.4	4015.5	3869.0	3714.3	3531.2	3332.9	3093.5	2842.8	2612.7
-42.5°	4229.6	4093.8	3947.7	3807.5	3665.1	3518.0	3352.6	3138.0	2900.8	2664.3	2425.4
-45°	4000.5	3864.7	3721.1	3576.6	3443.3	3300.3	3146.5	2917.7	2683.4	2458.1	2228.8
-47.5°	3742.8	3611.2	3472.7	3329.4	3202.6	3059.0	2871.6	2658.7	2451.4	2237.1	2002.3
-50°	3463.1	3337.8	3209.6	3076.6	2934.3	2772.3	2592.4	2406.8	2201.4	1981.3	1766.9
-52.5°	3157.2	3042.5	2921.5	2793.7	2646.8	2486.1	2317.6	2120.4	1915.5	1728.7	1533.7
-55°	2838.0	2724.8	2605.2	2477.5	2340.4	2181.5	2006.9	1827.6	1660.3	1487.6	1338.8
-57.5°	2484.9	2377.5	2263.6	2143.1	2016.6	1868.7	1715.6	1563.4	1430.9	1296.6	1161.6
-60°	2107.4	2007.2	1910.3	1803.5	1686.6	1559.4	1447.7	1335.4	1223.0	1115.9	1007.1
-62.5°	1741.8	1658.0	1570.9	1484.2	1395.4	1303.4	1210.9	1124.3	1035.7	944.9	864.8
-65°	1396.2	1332.5	1263.8	1203.8	1140.8	1074.3	1000.0	932.0	867.6	801.1	733.0
-67.5°	1106.2	1060.7	1012.1	964.8	921.6	875.7	823.4	768.4	717.4	668.1	618.0
-70°	867.8	837.7	806.1	771.6	737.1	702.4	664.0	623.6	582.6	545.7	510.3
-72.5°	666.1	645.2	621.3	596.4	569.9	546.3	520.0	492.7	465.0	437.0	410.3
-75°	515.4	500.3	483.9	465.3	442.8	416.2	396.4	383.1	366.4	346.0	323.8
-77.5°	407.6	396.6	384.8	369.0	352.5	335.6	318.8	302.4	286.0	270.6	256.5
-80°	299.9	294.7	288.2	275.1	261.9	248.8	236.3	226.2	216.7	206.2	193.3
-82.5°	176.1	175.4	173.6	166.2	158.9	151.6	144.5	137.4	129.9	122.0	114.0
-85°	56.9	60.0	62.5	63.7	64.5	64.7	64.3	62.4	60.3	57.8	55.1
-87.5°	12.5	12.5	12.5	13.0	13.5	13.9	14.2	14.9	15.4	15.9	16.3
-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: P645427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-U-LAM-VSR-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°	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.5	0.6	0.6	0.6
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.0	1.1	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5	1.8	1.8
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.5	1.8	2.1
75°	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.3	1.6	1.8	2.1
72.5°	1.2	1.2	1.2	1.3	1.5	1.5	1.4	1.3	1.6	1.8	2.1
70°	1.4	1.3	1.2	1.4	1.7	1.9	1.8	1.9	1.6	1.9	2.1
67.5°	1.7	1.8	1.6	1.6	1.7	2.0	2.2	2.6	2.6	1.9	2.2
65°	1.8	2.1	2.4	3.3	2.9	2.0	2.3	4.5	3.6	3.1	2.2
62.5°	3.8	2.1	7.3	9.7	5.5	4.3	3.4	10.0	6.3	4.3	3.1
60°	9.0	7.4	20.3	32.5	22.7	7.7	11.2	17.4	16.0	5.5	4.3
57.5°	84.4	29.0	42.0	60.8	59.7	32.4	23.7	31.5	27.1	15.6	6.1
55°	180.1	151.6	100.1	91.6	99.0	79.9	52.1	51.1	41.9	29.0	9.9
52.5°	247.2	257.9	224.5	156.8	136.6	130.1	101.6	74.1	65.8	43.6	25.2
50°	357.8	333.2	329.8	276.9	191.5	173.3	150.0	115.7	92.3	62.3	42.6
47.5°	505.4	444.0	411.4	387.6	305.5	220.9	196.8	158.2	121.5	89.8	60.8
45°	722.2	573.8	510.8	472.2	418.7	310.7	246.3	199.5	158.4	120.5	79.9
42.5°	940.0	741.9	624.3	562.0	506.4	412.2	299.2	247.1	194.3	151.8	104.1
40°	1132.2	915.2	743.7	663.5	592.4	510.1	384.9	298.1	229.4	184.0	131.6
37.5°	1363.6	1112.6	881.0	769.9	684.1	591.9	471.8	351.3	271.7	217.8	159.1
35°	1587.4	1368.1	1034.7	898.5	786.2	675.8	555.6	414.2	323.7	252.1	186.7
32.5°	1827.8	1608.3	1266.8	1042.1	891.9	761.5	633.9	490.7	376.0	286.9	214.2
30°	2017.0	1766.5	1470.5	1185.8	1006.8	857.2	712.1	564.1	428.3	321.9	241.9
27.5°	2117.3	1903.4	1631.3	1346.0	1136.2	955.3	792.6	634.3	480.6	360.5	270.7
25°	2221.1	1999.8	1746.2	1485.9	1264.0	1059.1	872.8	701.2	537.8	403.9	299.3
22.5°	2345.2	2081.7	1843.1	1596.9	1395.8	1164.4	956.9	768.9	594.9	446.5	327.4
20°	2469.8	2157.8	1938.7	1747.8	1525.1	1278.3	1044.8	834.9	648.8	488.0	354.9
17.5°	2600.7	2296.1	2101.0	1895.2	1654.0	1388.7	1131.5	898.9	699.3	528.2	381.6
15°	2828.3	2503.0	2264.5	2038.5	1782.2	1494.8	1216.0	960.4	746.5	566.8	406.4
12.5°	3035.0	2695.7	2428.1	2177.1	1908.3	1596.0	1297.6	1018.8	790.1	597.6	428.5
10°	3206.1	2874.4	2589.8	2310.2	2030.8	1691.6	1375.3	1066.5	816.3	620.6	448.9
7.5°	3346.1	3039.5	2747.5	2436.8	2135.9	1754.1	1414.5	1094.3	836.6	640.1	467.5
5°	3447.4	3149.7	2831.3	2481.0	2168.8	1779.7	1441.2	1116.9	853.0	656.4	484.3
2.5°	3476.5	3183.5	2862.7	2505.1	2191.0	1796.4	1460.2	1134.2	865.6	669.6	499.1
0°	3493.4	3205.8	2882.4	2520.0	2202.4	1804.3	1471.7	1146.1	874.5	680.0	512.1
-2.5°	3517.1	3225.0	2901.4	2558.2	2210.0	1828.4	1478.2	1153.8	885.8	683.7	519.6
-5°	3529.0	3232.5	2910.6	2583.8	2208.0	1842.8	1477.4	1156.3	893.1	685.0	525.1
-7.5°	3523.8	3229.9	2911.0	2591.8	2198.0	1846.1	1469.4	1153.7	896.1	684.1	528.6
-10°	3507.9	3216.8	2899.8	2571.1	2188.8	1833.1	1455.0	1146.3	894.4	681.2	529.9
-12.5°	3483.7	3192.4	2877.1	2541.1	2169.6	1806.2	1438.2	1133.8	887.1	676.5	529.0
-15°	3452.4	3156.8	2842.6	2503.1	2138.1	1770.4	1412.9	1115.5	873.1	671.1	525.8
-17.5°	3412.1	3110.4	2796.0	2458.0	2093.7	1726.0	1378.9	1091.8	855.5	664.6	519.5
-20°	3340.4	3048.0	2737.0	2406.7	2036.1	1673.5	1336.0	1062.5	834.6	655.3	510.5



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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°	3259.7	2970.8	2663.3	2337.5	1966.7	1613.1	1284.2	1027.7	810.4	643.2	499.6
-25°	3173.6	2883.8	2577.7	2241.6	1890.0	1549.3	1232.3	987.4	783.2	628.3	487.0
-27.5°	3072.5	2785.4	2480.7	2136.1	1801.0	1475.2	1182.6	951.7	756.9	610.4	472.6
-30°	2958.9	2669.6	2359.4	2023.5	1703.5	1389.6	1126.8	913.6	734.6	591.0	456.6
-32.5°	2828.7	2542.1	2225.0	1908.3	1600.4	1298.7	1065.2	872.9	708.9	570.3	441.9
-35°	2680.5	2393.7	2082.6	1784.6	1491.2	1225.3	1005.0	829.6	679.7	548.0	426.3
-37.5°	2526.1	2234.4	1940.2	1655.4	1375.1	1145.7	950.9	786.9	647.1	524.0	409.1
-40°	2349.8	2070.5	1790.7	1522.3	1274.5	1060.4	892.3	744.7	616.4	498.6	390.3
-42.5°	2168.2	1898.6	1634.8	1381.4	1175.3	990.9	830.9	699.4	583.8	474.0	369.9
-45°	1972.4	1717.1	1469.0	1262.7	1074.4	917.3	777.2	652.3	549.1	448.8	348.8
-47.5°	1765.9	1525.8	1318.3	1139.0	988.6	843.3	720.0	611.6	512.8	421.8	327.6
-50°	1547.1	1347.7	1179.5	1031.5	896.1	776.8	663.1	569.0	479.4	392.0	305.5
-52.5°	1353.2	1193.4	1054.3	927.6	814.6	706.7	614.1	525.2	445.0	363.5	282.3
-55°	1187.1	1056.1	938.6	833.2	733.7	646.7	563.1	486.4	409.7	334.9	258.9
-57.5°	1043.6	929.1	835.1	743.6	661.4	587.2	516.7	446.8	375.8	305.3	240.3
-60°	905.7	820.3	736.6	663.0	593.5	530.5	473.0	407.1	341.6	275.7	219.7
-62.5°	786.7	713.7	650.5	586.3	528.6	477.3	428.8	368.3	306.4	248.3	197.3
-65°	675.1	619.1	565.2	514.1	466.2	422.6	383.5	328.6	271.2	219.2	174.1
-67.5°	569.2	527.0	484.7	441.8	404.0	368.8	335.3	285.7	234.4	188.7	151.0
-70°	474.5	438.5	405.4	373.4	342.8	313.5	281.9	240.0	195.9	161.3	127.4
-72.5°	385.1	358.8	331.3	305.0	282.5	256.6	227.6	194.9	164.0	133.4	103.3
-75°	302.4	285.0	265.7	244.8	223.7	200.7	181.5	158.7	131.7	105.0	83.2
-77.5°	241.9	225.0	205.6	189.0	174.9	159.1	141.6	121.8	100.4	81.7	64.3
-80°	178.5	165.5	154.5	145.0	131.9	117.5	103.0	88.6	73.0	58.5	45.1
-82.5°	108.9	106.0	103.0	98.6	87.7	77.0	66.5	56.2	45.2	35.0	29.0
-85°	54.4	53.3	51.7	49.4	42.7	36.2	33.2	30.1	26.4	22.8	19.4
-87.5°	17.9	19.2	20.3	21.1	19.6	18.1	16.6	15.1	13.2	11.4	9.7
-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°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
85°	1.2	1.0	0.8	0.6	0.4	0.3	0.0
82.5°	1.8	1.5	1.2	0.9	0.6	0.4	0.0
80°	2.3	2.0	1.6	1.2	0.8	0.5	0.0
77.5°	2.3	2.3	2.0	1.5	1.0	0.6	0.0
75°	2.3	2.4	2.3	1.8	1.2	0.8	0.0
72.5°	2.4	2.5	2.4	2.1	1.4	0.9	0.0
70°	2.4	2.6	2.5	2.3	1.6	1.0	0.0
67.5°	2.7	2.7	2.7	2.4	1.8	1.1	0.0
65°	3.1	3.1	2.8	2.6	2.0	1.2	0.0
62.5°	3.6	3.8	2.9	2.7	2.2	1.4	0.0
60°	4.3	4.6	3.1	2.8	2.5	1.5	0.0
57.5°	7.9	5.6	3.9	2.9	2.6	1.6	0.0
55°	12.6	6.6	4.9	3.1	2.7	1.7	0.0
52.5°	18.0	8.4	5.9	3.2	2.9	1.8	0.0
50°	24.3	14.3	7.0	3.3	3.0	2.0	0.0
47.5°	32.6	20.7	8.1	3.6	3.1	2.1	0.0
45°	49.2	27.5	9.2	4.5	3.3	2.2	0.0
42.5°	66.2	34.7	10.4	5.4	3.4	2.3	0.0
40°	83.6	42.3	14.0	6.5	3.6	2.4	0.0
37.5°	101.3	50.4	20.0	7.9	3.7	2.5	0.0
35°	119.3	62.6	26.1	9.4	3.9	2.6	0.0
32.5°	138.8	76.8	32.2	11.1	4.0	2.7	0.0
30°	161.1	90.9	38.4	12.9	4.2	2.8	0.0
27.5°	183.0	104.8	46.1	14.9	4.3	2.9	0.0
25°	204.3	118.5	54.0	16.9	4.5	2.9	0.0
22.5°	225.1	132.4	61.8	19.1	4.6	3.0	0.0
20°	245.1	147.4	69.6	21.3	4.8	3.1	0.0
17.5°	264.9	161.9	77.3	23.5	4.9	3.2	0.0
15°	284.0	175.8	84.7	25.7	5.1	3.2	0.0
12.5°	301.8	189.1	91.9	28.0	5.2	3.3	0.0
10°	318.3	201.7	98.9	30.2	5.3	3.3	0.0
7.5°	333.4	213.4	105.4	32.3	5.5	3.4	0.0
5°	347.2	224.2	111.5	34.3	5.6	3.4	0.0
2.5°	359.6	234.1	117.0	36.2	5.7	3.5	0.0
0°	370.5	242.8	122.0	38.0	5.8	3.5	0.0
-2.5°	375.9	248.3	126.6	40.5	6.7	3.7	0.0
-5°	379.9	252.7	130.6	42.7	7.6	3.9	0.0
-7.5°	382.4	255.9	133.8	44.8	8.4	4.1	0.0
-10°	383.6	257.9	136.3	46.5	9.3	4.2	0.0
-12.5°	383.4	258.7	137.9	48.0	10.1	4.4	0.0
-15°	381.8	258.3	138.7	49.2	10.8	4.5	0.0
-17.5°	379.0	256.7	138.6	50.1	11.5	4.7	0.0
-20°	374.7	254.0	137.6	50.6	12.1	4.8	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	368.5	250.2	135.6	50.7	12.7	4.9	0.0
-25°	360.7	244.1	132.7	50.5	13.2	4.9	0.0
-27.5°	351.6	236.7	128.9	49.9	13.7	5.0	0.0
-30°	341.0	228.1	124.0	48.9	14.0	5.0	0.0
-32.5°	329.0	218.6	118.4	47.4	14.3	5.0	0.0
-35°	316.0	208.1	112.1	45.6	14.5	5.0	0.0
-37.5°	302.0	197.5	105.2	43.3	14.6	5.0	0.0
-40°	286.9	187.9	97.7	40.6	14.6	4.9	0.0
-42.5°	270.8	177.6	92.0	37.7	14.5	4.9	0.0
-45°	253.7	166.7	88.1	34.7	14.3	4.8	0.0
-47.5°	235.6	155.1	83.5	31.4	14.1	4.7	0.0
-50°	220.5	143.0	78.2	30.3	13.7	4.5	0.0
-52.5°	205.4	130.2	72.3	29.7	13.3	4.4	0.0
-55°	189.6	120.6	65.7	28.7	12.8	4.2	0.0
-57.5°	173.3	110.7	58.4	27.5	12.1	4.0	0.0
-60°	156.8	100.0	50.8	25.9	11.5	3.7	0.0
-62.5°	141.6	88.5	47.2	24.1	10.8	3.5	0.0
-65°	125.4	76.1	43.1	22.0	10.0	3.2	0.0
-67.5°	108.2	65.8	38.5	19.6	9.2	3.0	0.0
-70°	90.0	57.6	33.5	17.0	8.3	2.7	0.0
-72.5°	76.1	48.8	28.1	15.0	7.4	2.4	0.0
-75°	62.2	39.4	22.4	13.0	6.4	2.1	0.0
-77.5°	47.7	29.6	18.5	11.0	5.4	1.7	0.0
-80°	32.6	22.5	14.9	8.9	4.4	1.4	0.0
-82.5°	23.9	17.0	11.3	6.7	3.3	1.1	0.0
-85°	16.0	11.4	7.6	4.5	2.2	0.7	0.0
-87.5°	8.0	5.7	3.8	2.3	1.1	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)