

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: P627710 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-740-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627710 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA5D-740-U-VWR-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (80) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28807 lumens  
Efficiency: N/A  
Efficacy: 106.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 6H x 6V  
Max Intensity: 21585.8 candela  
Max Intensity Angle: -2.5°H x -2.5°V

Beam Angle (50%): 63.9°H x 69.6°V  
Beam Lumens: 16666.8 lumens  
Beam Efficiency: 57.9%

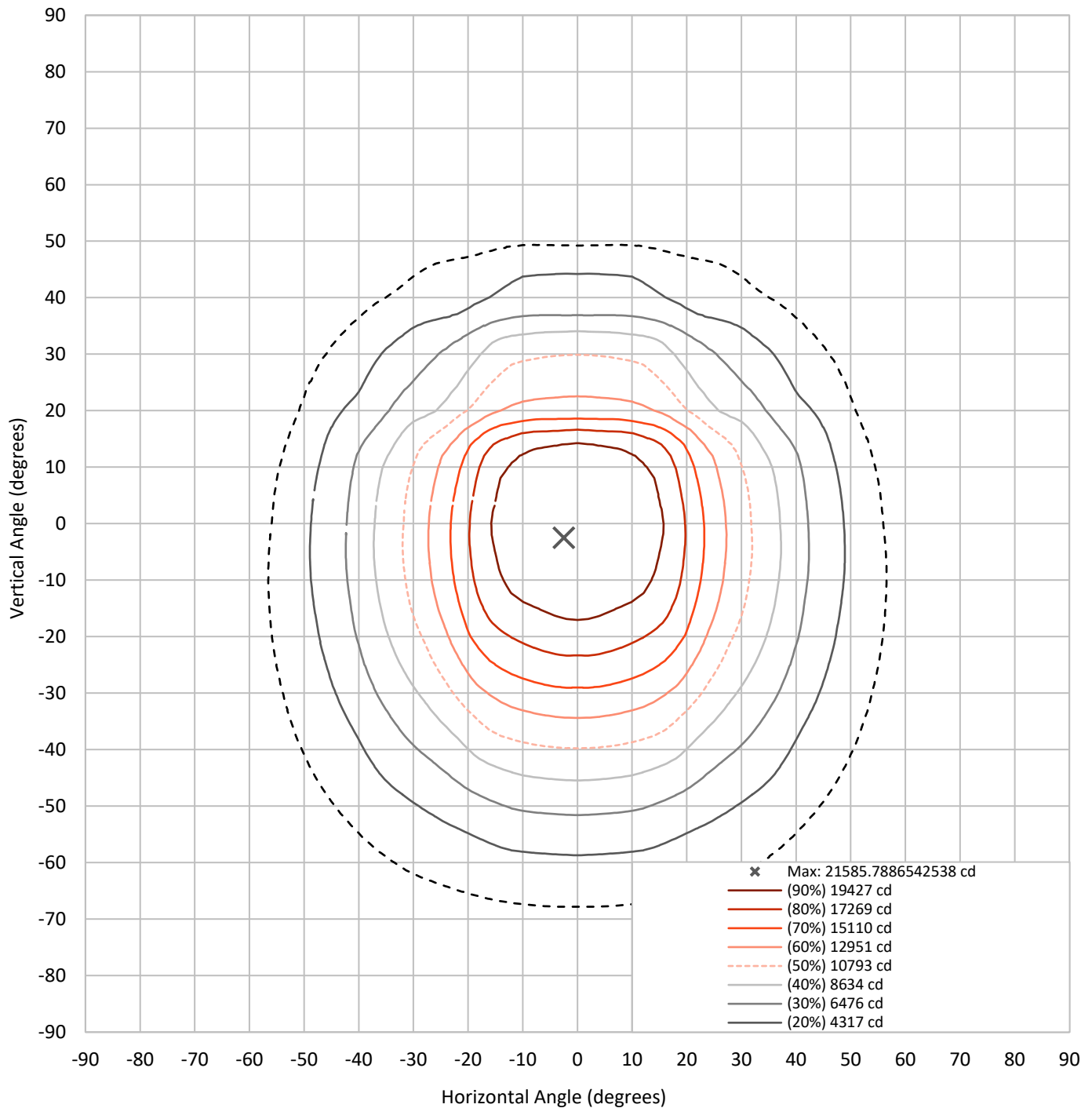
Field Angle (10%): 112.5°H x 117.1°V  
Field Lumens: 27336 lumens  
Field Efficiency: 94.9%

Input Watts (W): 271.3  
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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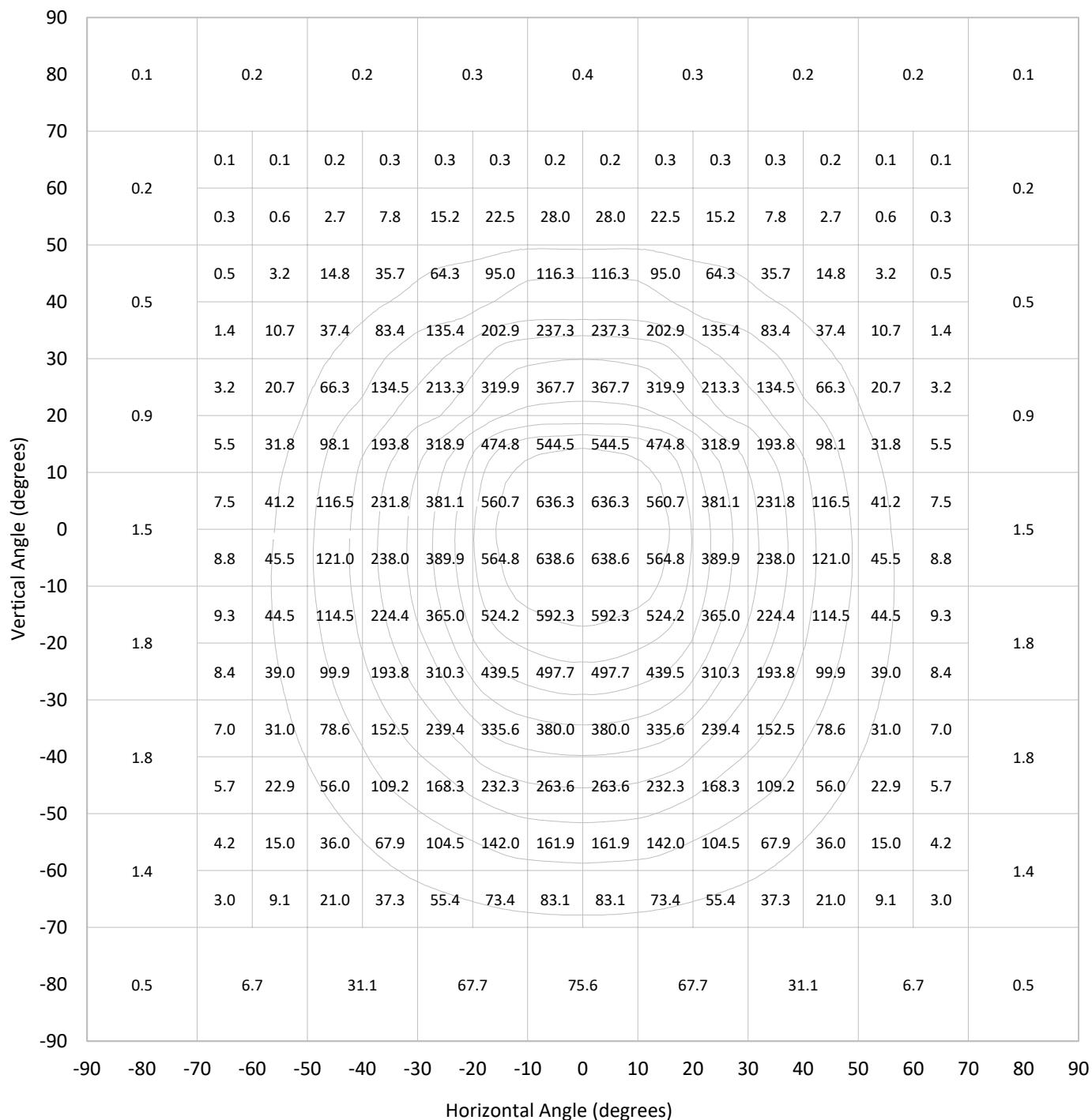
### Iso-Candela Plot





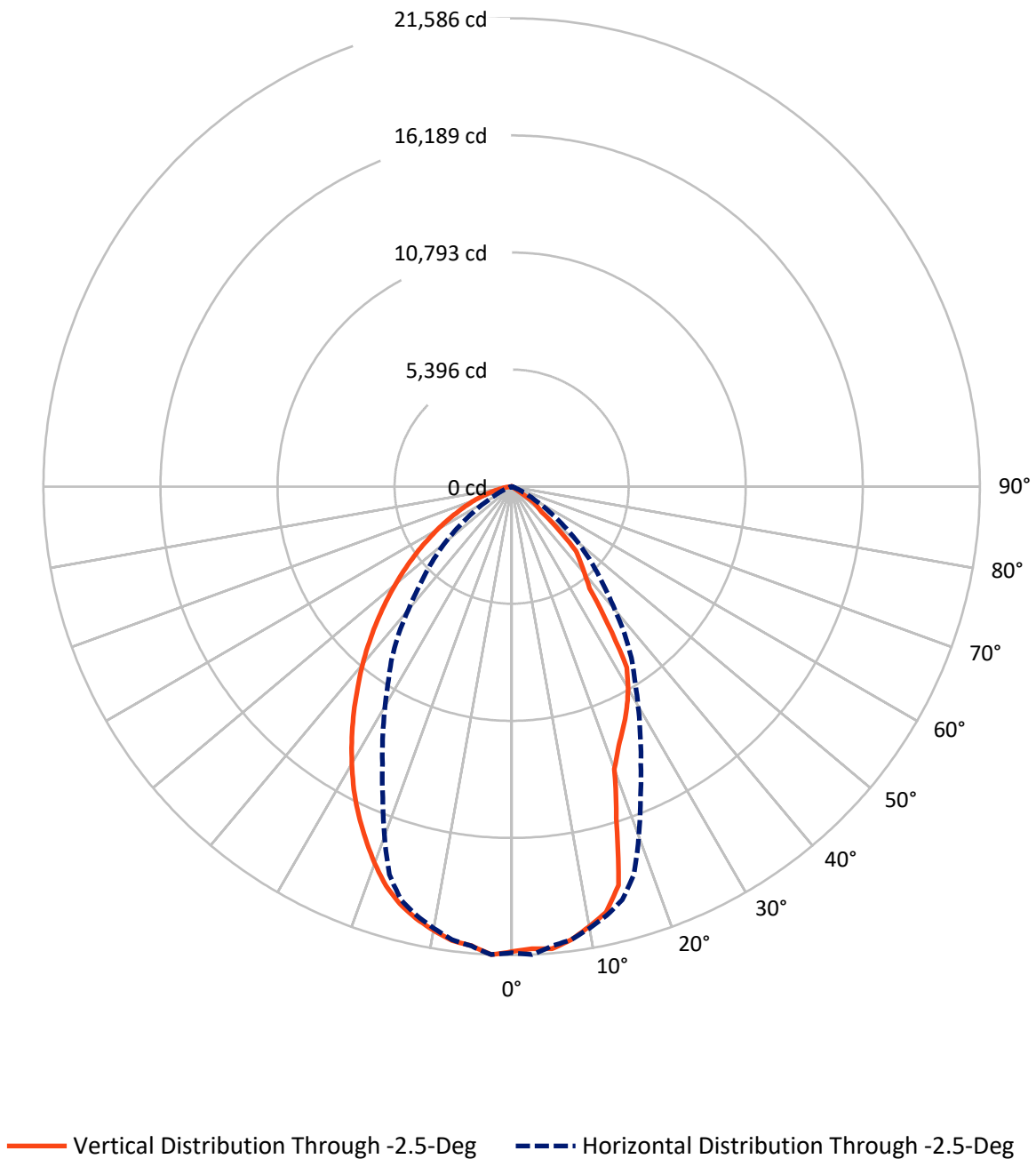
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### Lumen Table



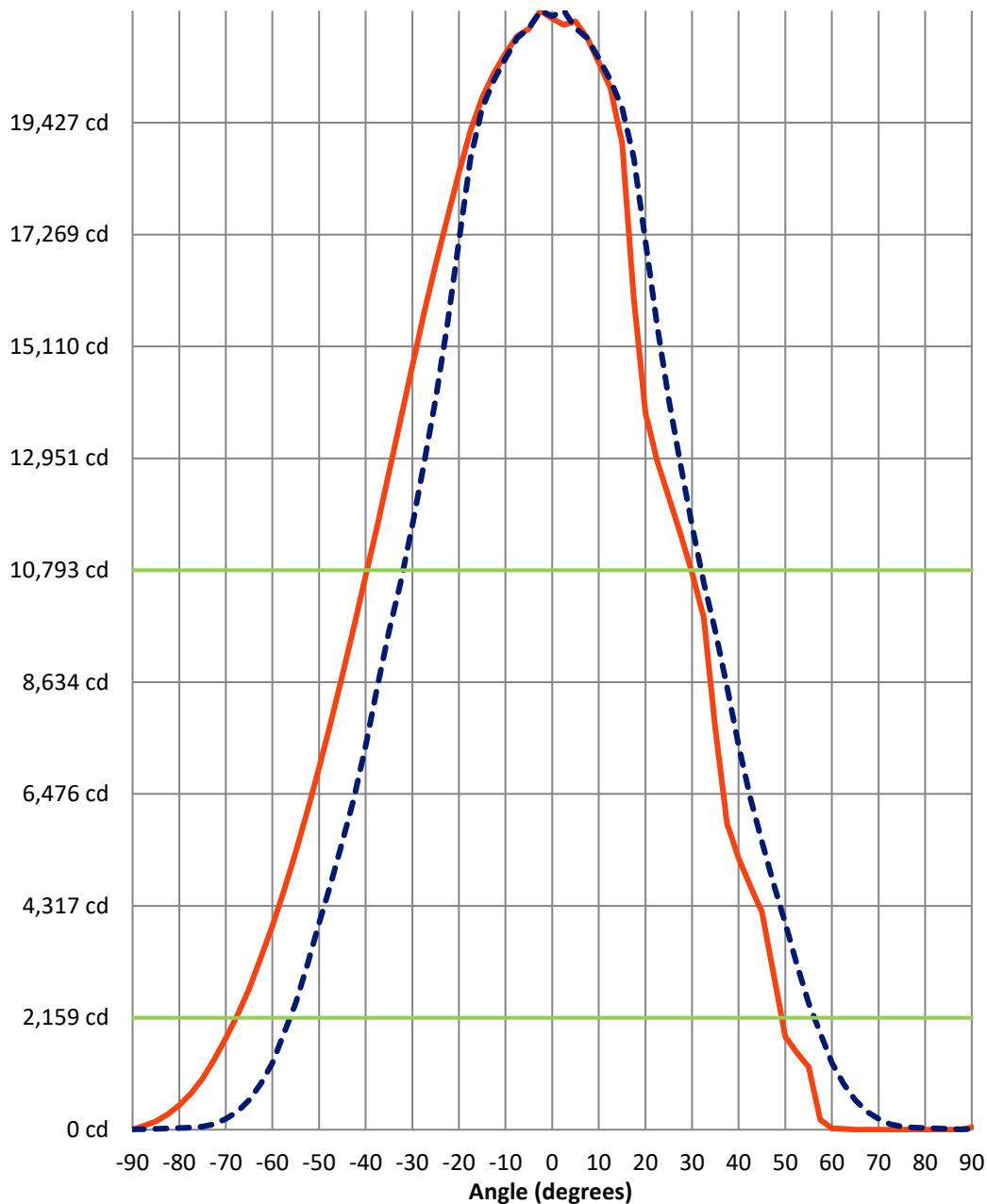
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CATALOG NUMBER: GFLD-SA5D-740-U-VWR-VSR-XX

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 16666.8  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 27336  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 1471  
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg  
 - - Horizontal Distribution through -2.5-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°	8.1	8.1	8.1	10.1	12.1	14.1	16.1	18.1	20.2	22.2	24.2
87.5°	8.1	8.1	8.1	7.8	7.4	6.8	6.0	4.3	2.7	1.3	0.0
85°	8.1	8.1	8.1	7.6	6.7	5.5	3.9	2.4	1.3	0.5	0.0
82.5°	8.1	8.1	8.1	7.3	6.0	4.2	1.9	0.6	0.2	1.2	2.1
80°	8.1	8.1	8.1	7.1	5.4	3.0	0.4	1.6	2.9	4.2	5.5
77.5°	8.1	8.1	8.1	6.9	4.8	2.7	2.5	4.0	5.7	7.3	7.3
75°	8.1	8.1	8.1	6.7	4.4	4.0	4.5	6.4	8.0	6.6	4.3
72.5°	8.1	8.1	8.1	6.5	5.1	5.2	6.5	8.0	6.9	4.7	1.4
70°	8.1	8.1	8.1	6.5	5.8	6.4	8.1	7.7	5.9	3.1	3.7
67.5°	8.1	8.1	8.1	6.8	6.5	7.6	8.3	7.5	5.3	6.3	7.2
65°	8.1	8.1	8.1	7.0	7.1	8.4	8.7	7.4	8.1	9.4	10.0
62.5°	8.1	8.1	8.1	7.3	7.6	9.0	9.1	9.1	10.9	12.2	11.2
60°	8.1	8.1	8.1	7.5	8.1	9.7	9.6	11.6	13.6	14.1	12.7
57.5°	8.1	8.1	8.2	7.7	8.8	10.5	11.5	13.9	16.0	16.2	15.8
55°	8.1	8.1	8.3	7.8	9.7	11.3	13.5	16.3	18.4	18.7	19.6
52.5°	8.1	8.1	8.5	8.0	10.5	12.3	15.5	18.6	21.0	22.2	23.4
50°	8.1	8.1	8.6	8.1	11.4	14.0	17.5	21.0	23.9	25.6	27.2
47.5°	8.1	8.1	8.8	8.3	12.3	15.6	19.4	23.2	26.9	29.0	31.0
45°	8.1	8.1	9.1	9.0	13.3	17.2	21.3	25.4	29.7	32.3	34.7
42.5°	8.1	8.1	9.3	9.8	14.3	18.7	23.2	27.9	32.7	35.7	42.1
40°	8.1	8.1	9.6	10.7	15.4	20.2	25.0	30.6	35.9	39.0	50.3
37.5°	8.1	8.1	9.9	11.8	16.6	21.7	26.7	33.4	39.3	44.4	58.6
35°	8.1	8.1	10.3	12.8	17.7	23.1	28.4	36.3	42.8	54.5	74.6
32.5°	8.1	8.1	10.6	13.9	18.8	24.4	30.2	39.3	46.5	66.4	106.4
30°	8.1	8.1	11.0	14.9	19.8	25.7	32.6	42.4	50.4	80.0	137.3
27.5°	8.1	8.1	11.4	15.8	21.1	26.9	35.0	45.6	57.0	95.1	167.3
25°	8.1	8.1	11.8	16.8	22.3	28.1	37.4	48.7	68.7	117.2	196.6
22.5°	8.1	8.1	12.3	17.7	23.5	29.4	39.7	51.9	81.0	141.4	235.4
20°	8.1	8.1	12.7	18.6	24.7	30.8	42.0	55.1	93.7	164.4	273.9
17.5°	8.1	8.1	13.2	19.4	25.8	32.2	44.4	58.2	106.7	186.1	311.8
15°	8.1	8.1	13.6	20.2	26.9	33.6	46.6	62.3	119.7	206.4	348.6
12.5°	8.1	8.1	14.1	21.0	27.9	34.9	48.7	67.9	134.2	225.2	383.9
10°	8.1	8.1	14.5	21.7	28.9	36.1	50.6	73.8	149.6	247.1	419.2
7.5°	8.1	8.1	14.9	22.4	29.8	37.3	52.3	79.7	164.2	268.4	456.4
5°	8.1	8.1	15.3	23.0	30.7	38.4	53.9	85.7	177.9	288.2	490.6
2.5°	8.1	8.1	15.7	23.6	31.5	39.4	55.2	91.4	190.3	306.2	521.3
0°	8.1	8.1	16.1	24.2	32.2	40.3	56.4	96.7	201.4	322.3	547.9
-2.5°	8.1	8.1	16.1	24.2	32.2	40.3	56.4	96.7	201.4	322.3	547.9
-5°	8.1	8.1	16.0	24.1	33.5	41.9	62.4	115.5	215.9	370.0	591.5
-7.5°	8.1	8.1	16.0	24.0	34.0	42.6	64.9	123.4	220.9	388.2	606.9
-10°	8.1	8.1	15.9	23.8	34.4	43.2	67.0	129.9	224.6	401.4	618.2
-12.5°	8.1	8.1	15.7	23.6	34.6	43.7	68.6	134.8	227.2	408.3	627.0
-15°	8.1	8.1	15.6	23.4	34.7	44.2	69.5	137.7	231.9	407.6	630.2
-17.5°	8.1	8.1	15.4	23.1	34.7	44.5	69.9	140.7	238.9	403.5	626.3
-20°	8.1	8.1	15.1	22.7	34.5	44.8	71.7	143.6	243.4	396.1	614.8

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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.1	8.1	14.9	22.3	34.1	45.0	76.3	144.8	245.4	385.5	595.3
-25°	8.1	8.1	14.6	21.9	33.5	47.9	80.1	144.4	244.7	371.8	567.4
-27.5°	8.1	8.1	14.3	21.4	32.7	51.7	83.0	142.2	241.2	360.1	547.0
-30°	8.1	8.1	14.0	20.9	31.9	54.9	85.0	138.3	236.7	354.9	524.1
-32.5°	8.1	8.1	13.6	20.4	33.0	57.6	86.1	138.5	230.9	346.1	498.3
-35°	8.1	8.1	13.2	19.8	33.9	59.7	88.4	139.2	222.9	333.6	469.5
-37.5°	8.1	8.1	12.8	19.2	34.5	61.0	90.8	138.7	212.6	317.4	456.7
-40°	8.1	8.1	12.4	18.5	34.7	61.5	92.2	136.9	200.1	301.9	442.4
-42.5°	8.1	8.1	11.9	18.1	34.9	61.5	92.7	133.7	192.9	289.4	420.5
-45°	8.1	8.1	11.4	18.2	35.1	61.1	92.3	130.8	187.7	274.0	392.9
-47.5°	8.1	8.1	10.9	18.1	34.9	60.2	90.9	129.0	181.0	255.5	371.2
-50°	8.1	8.1	10.4	17.9	34.2	58.8	89.0	125.8	175.6	248.9	345.3
-52.5°	8.1	8.1	9.8	17.5	33.2	56.9	86.5	121.4	171.1	240.1	317.5
-55°	8.1	8.1	9.3	17.0	31.8	54.6	83.4	115.9	165.5	229.2	304.3
-57.5°	8.1	8.1	8.7	16.4	30.0	51.6	79.7	111.0	157.7	217.8	288.6
-60°	8.1	8.1	8.1	15.7	27.9	48.1	75.3	105.5	147.8	204.2	270.6
-62.5°	8.1	8.1	8.1	14.9	26.3	44.0	69.2	98.3	135.5	188.0	249.5
-65°	8.1	8.1	8.1	13.9	24.6	39.4	62.4	89.0	120.7	166.9	225.5
-67.5°	8.1	8.1	8.1	12.8	22.7	35.4	54.8	78.2	103.6	142.1	193.8
-70°	8.1	8.1	8.1	11.7	20.7	32.2	46.7	66.6	88.7	114.5	156.6
-72.5°	8.1	8.1	8.1	11.4	18.4	28.7	41.2	54.5	73.2	95.0	119.8
-75°	8.1	8.1	8.1	11.3	16.1	25.0	35.9	45.9	57.0	74.8	95.3
-77.5°	8.1	8.1	8.1	11.2	15.2	21.2	30.4	38.6	47.3	56.7	69.9
-80°	8.1	8.1	8.1	11.0	14.7	19.1	24.6	31.1	38.1	45.7	53.8
-82.5°	8.1	8.1	8.1	10.8	14.1	17.9	22.2	25.3	28.7	34.4	40.6
-85°	8.1	8.1	8.1	10.6	13.5	16.7	20.2	22.9	25.6	28.2	30.9
-87.5°	8.1	8.1	8.1	10.4	12.8	15.4	18.2	20.5	22.9	25.2	27.6
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	6.1	4.0	2.0	0.0





REPORT NUMBER: P627710 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	26.2	28.2	30.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.4	2.1	1.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	5.3	4.3	2.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.6	2.3	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.7	0.1	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.3	2.3	2.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	4.6	5.0	3.3	1.3	0.0	0.4	1.2	0.9	0.0	0.4	1.0
67.5°	7.5	5.6	3.7	2.3	3.0	4.1	3.8	4.1	4.4	4.8	4.1
65°	7.9	6.0	6.1	7.0	8.0	8.7	9.4	10.0	8.4	7.3	7.5
62.5°	8.4	9.1	10.5	11.8	13.0	14.0	14.1	12.6	9.6	12.0	13.7
60°	12.0	13.2	14.9	16.5	18.0	18.9	18.1	18.3	20.4	23.6	45.3
57.5°	16.2	17.2	19.2	21.8	24.0	24.4	25.1	27.3	63.9	104.3	115.2
55°	20.3	21.2	24.7	28.6	31.0	30.8	44.2	93.1	140.6	194.8	214.8
52.5°	24.5	26.3	32.1	36.9	39.9	62.1	111.9	178.4	248.4	310.7	391.1
50°	28.7	34.5	40.5	47.6	75.8	133.8	206.7	297.4	403.0	502.4	604.2
47.5°	35.9	43.2	52.3	75.0	149.5	230.0	330.8	476.8	607.0	727.3	866.9
45°	44.4	59.6	69.7	148.5	235.0	338.9	509.6	688.1	806.2	967.2	1214.3
42.5°	53.1	82.5	133.2	224.3	329.7	497.3	709.0	861.0	1018.2	1279.3	1539.0
40°	76.4	110.6	200.9	309.2	442.9	687.3	904.5	1076.7	1291.4	1580.7	1852.0
37.5°	104.7	168.8	269.9	399.9	620.4	888.3	1120.9	1366.9	1613.7	1886.5	2389.5
35°	136.1	222.8	357.4	532.8	798.0	1111.2	1388.5	1663.4	1947.8	2485.0	2984.1
32.5°	177.1	272.5	448.9	687.3	990.0	1333.9	1655.7	1973.5	2429.6	3037.5	3538.4
30°	221.2	352.4	554.2	830.3	1170.8	1537.7	1924.7	2309.4	2913.1	3416.1	3960.0
27.5°	267.3	436.7	677.6	979.7	1340.1	1730.1	2166.9	2715.7	3254.1	3751.1	4348.7
25°	314.6	524.7	790.5	1122.6	1506.7	1938.1	2440.5	3108.9	3530.0	4079.4	4702.7
22.5°	375.5	608.8	902.4	1252.1	1661.0	2151.7	2792.4	3463.6	3959.3	4421.3	5030.3
20°	445.8	703.4	1024.0	1414.4	1812.3	2360.5	3142.4	3848.4	4431.4	4960.5	5519.8
17.5°	511.6	792.0	1154.1	1580.1	2032.3	2627.9	3485.8	4267.1	4908.7	5498.3	6196.6
15°	572.4	873.9	1281.5	1736.9	2248.6	2934.3	3793.8	4651.8	5384.5	6047.8	6841.3
12.5°	628.0	948.7	1404.2	1883.7	2452.2	3198.5	4052.4	4889.9	5695.1	6559.5	7460.1
10°	678.1	1015.9	1520.2	2019.2	2641.0	3421.9	4266.0	5088.3	5900.8	6815.6	7816.1
7.5°	731.9	1078.8	1625.4	2142.3	2812.8	3606.4	4436.7	5247.6	6067.0	7020.3	8047.6
5°	781.5	1136.7	1709.0	2230.6	2945.5	3750.4	4565.1	5368.5	6193.1	7172.9	8222.8
2.5°	825.2	1185.3	1777.2	2299.8	3044.0	3856.4	4648.6	5469.4	6286.8	7296.9	8356.6
0°	862.2	1224.8	1829.1	2352.9	3118.4	3932.2	4697.7	5535.7	6341.5	7381.0	8444.6
-2.5°	885.9	1289.5	1864.8	2445.6	3183.4	3981.9	4741.6	5554.3	6400.4	7407.6	8543.4
-5°	902.5	1341.8	1886.3	2517.0	3225.9	4003.8	4756.1	5539.9	6416.1	7400.9	8557.9
-7.5°	912.2	1378.8	1896.4	2557.6	3240.8	3990.6	4731.6	5512.6	6390.4	7375.5	8493.9
-10°	917.8	1390.4	1910.1	2545.4	3221.2	3947.4	4677.1	5448.6	6317.3	7293.1	8372.4
-12.5°	932.9	1383.0	1907.7	2518.3	3178.8	3882.2	4596.3	5347.3	6195.5	7152.6	8204.3
-15°	936.8	1366.4	1884.8	2478.4	3114.0	3796.9	4490.5	5208.3	6045.3	7015.6	8018.5
-17.5°	928.3	1341.3	1840.1	2427.5	3027.3	3693.4	4365.9	5083.1	5904.5	6857.6	7823.3
-20°	906.7	1308.8	1772.7	2367.4	2924.4	3578.4	4241.1	4951.8	5742.5	6638.4	7604.8



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CATALOG NUMBER: GFLD-SA5D-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	871.4	1269.6	1699.8	2283.6	2835.5	3446.3	4094.8	4773.0	5539.5	6354.2	7311.2
-25°	834.9	1225.2	1642.3	2168.3	2728.5	3292.2	3926.8	4554.3	5301.1	6101.2	6950.4
-27.5°	800.4	1163.3	1582.6	2042.0	2602.6	3127.5	3736.8	4348.8	5033.0	5817.2	6599.0
-30°	755.1	1096.3	1509.6	1920.6	2452.1	2972.4	3524.8	4127.2	4742.4	5486.6	6255.9
-32.5°	715.2	1026.9	1426.5	1828.1	2290.2	2797.8	3296.3	3870.4	4470.9	5105.3	5865.4
-35°	688.5	985.7	1338.5	1721.2	2125.1	2607.9	3082.0	3580.8	4162.4	4757.7	5425.2
-37.5°	666.9	938.4	1245.9	1609.9	1994.3	2408.6	2852.5	3311.4	3818.9	4419.2	5046.7
-40°	632.8	885.2	1177.3	1503.8	1842.9	2219.7	2631.7	3047.2	3487.0	4073.4	4692.6
-42.5°	589.2	833.7	1112.6	1388.3	1698.1	2042.0	2408.3	2799.5	3222.3	3731.6	4300.8
-45°	555.7	767.8	1040.7	1287.6	1544.1	1858.6	2202.5	2557.0	2955.7	3393.0	3904.2
-47.5°	513.1	696.1	946.6	1177.4	1403.4	1671.8	1986.3	2321.8	2675.0	3069.0	3488.0
-50°	467.5	636.4	831.5	1056.2	1271.7	1495.0	1763.2	2073.4	2393.9	2737.3	3111.2
-52.5°	432.9	566.5	744.6	931.6	1137.0	1339.5	1567.9	1833.9	2120.1	2407.1	2735.9
-55°	393.7	515.0	661.8	829.5	1004.3	1191.8	1399.7	1632.7	1866.0	2129.7	2392.1
-57.5°	366.2	465.5	592.7	738.4	895.5	1054.7	1251.1	1448.0	1664.0	1882.2	2099.9
-60°	344.7	422.7	528.2	656.5	796.5	945.4	1106.5	1288.5	1474.4	1652.5	1840.7
-62.5°	320.1	388.0	470.5	575.1	701.6	831.2	973.0	1128.9	1297.1	1447.1	1592.9
-65°	288.2	347.3	418.0	503.2	602.6	712.0	832.9	964.3	1109.7	1231.4	1350.6
-67.5°	251.6	301.3	360.7	430.3	513.1	598.6	687.3	798.4	916.5	1015.8	1112.9
-70°	205.7	251.6	300.2	356.9	421.9	494.3	572.4	653.0	733.8	814.8	903.6
-72.5°	157.4	199.2	240.4	280.9	332.6	392.0	455.6	523.3	593.8	663.2	730.6
-75°	120.0	147.1	183.1	219.6	255.5	294.2	337.2	391.0	456.6	523.8	585.5
-77.5°	90.6	113.4	137.4	162.5	185.2	213.6	244.7	278.1	332.2	394.3	457.0
-80°	65.4	79.1	98.1	118.3	134.2	149.9	166.3	183.2	223.4	273.4	326.8
-82.5°	48.5	57.9	68.4	80.2	88.2	96.0	104.8	116.0	145.8	179.6	215.2
-85°	33.4	36.2	41.9	48.4	52.9	57.5	62.2	66.9	83.0	101.0	120.4
-87.5°	28.8	30.2	31.8	33.4	34.0	34.5	35.1	35.6	41.0	46.7	52.6
-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):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	32.2	34.2	36.3	38.3	40.3	42.3	44.3	46.3	48.3	48.3	48.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.7	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3.7	4.1	4.2	3.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0
65°	8.5	8.2	6.1	3.9	1.9	3.0	4.9	5.8	5.9	5.3	4.1
62.5°	12.8	11.8	10.6	12.2	14.7	16.9	16.3	15.4	14.3	13.6	14.1
60°	47.7	31.8	36.7	46.1	43.1	29.5	48.6	54.9	46.8	32.0	31.0
57.5°	120.8	116.6	133.6	195.1	214.7	195.7	233.8	283.8	282.3	243.1	241.8
55°	257.3	345.3	451.4	468.6	542.5	690.5	805.8	755.2	754.9	792.9	915.3
52.5°	488.8	571.8	602.7	685.1	839.5	951.6	1023.6	1098.1	1179.8	1263.1	1347.6
50°	717.3	797.9	889.3	973.8	1187.5	1302.5	1283.3	1437.7	1635.3	1758.7	1822.1
47.5°	1052.1	1179.1	1372.4	1675.3	1834.8	1950.2	2093.5	2268.4	2494.8	2801.8	3038.3
45°	1446.4	1646.1	1945.2	2267.0	2514.5	2627.2	2791.3	3062.2	3423.1	3774.5	4031.1
42.5°	1768.7	2042.6	2380.0	2687.4	2889.3	3074.5	3287.0	3515.3	3928.8	4304.1	4600.8
40°	2189.2	2402.6	2781.1	3070.9	3251.6	3435.3	3772.0	4113.7	4502.5	4852.2	5095.3
37.5°	2722.2	2962.3	3356.1	3683.8	3857.9	3922.8	4495.3	4971.2	5287.1	5733.5	5879.5
35°	3294.8	3690.1	4191.8	4616.8	4787.4	5127.9	5717.8	6381.7	7101.0	7365.5	7591.1
32.5°	3933.7	4421.3	5102.0	5558.1	5801.6	6318.4	7064.9	7773.5	8714.1	9224.5	9377.2
30°	4518.0	5077.6	5662.8	6106.1	6522.3	7144.7	7825.5	8699.2	9568.9	10221.6	10424.4
27.5°	4947.0	5566.1	6128.7	6543.8	7013.5	7684.6	8533.3	9418.2	10271.9	10937.8	11174.4
25°	5356.4	6056.2	6501.6	6984.3	7535.8	8267.2	9207.8	10190.9	11031.8	11594.5	11884.8
22.5°	5822.0	6512.1	6990.2	7399.1	8120.2	8962.9	9836.0	10946.9	11837.8	12286.9	12601.5
20°	6302.6	7083.4	7822.0	8202.3	8826.2	9893.2	10870.7	11919.5	12779.7	13247.7	13579.1
17.5°	6973.3	7968.2	8874.0	9412.6	10080.8	11356.6	12576.2	13637.1	14833.9	15256.6	15661.6
15°	7680.4	8831.9	9893.0	10746.2	11609.3	12873.4	14443.4	15723.7	17089.2	17699.1	18388.5
12.5°	8385.3	9474.9	10436.3	11537.0	12753.4	13871.6	15366.3	16960.6	18199.7	18977.5	19441.6
10°	8912.1	9924.2	10849.3	11952.6	13166.8	14431.7	15916.9	17551.2	18848.3	19512.0	19890.9
7.5°	9196.6	10165.2	11141.1	12259.1	13467.7	14814.9	16345.2	17966.6	19292.9	19936.0	20310.0
5°	9407.8	10338.1	11348.5	12525.4	13747.5	15113.5	16641.7	18243.8	19453.2	20136.5	20609.6
2.5°	9535.6	10447.7	11480.7	12697.6	13922.7	15345.4	16947.5	18608.1	19666.3	20216.0	20651.0
0°	9572.7	10491.3	11554.9	12787.8	14044.8	15479.1	17066.5	18710.3	19782.0	20313.8	20756.9
-2.5°	9614.4	10560.2	11653.0	12846.2	14092.6	15522.8	17143.1	18744.8	19708.9	20245.6	20667.2
-5°	9585.3	10565.5	11655.0	12797.9	14052.5	15471.3	17026.8	18524.4	19532.9	20113.1	20532.3
-7.5°	9498.6	10492.7	11571.0	12669.4	13900.0	15335.0	16883.9	18326.0	19347.7	19959.4	20418.1
-10°	9372.3	10337.5	11423.2	12535.6	13751.5	15117.4	16642.5	18076.0	19053.8	19703.4	20238.1
-12.5°	9232.5	10177.6	11224.1	12291.1	13493.6	14842.7	16320.4	17677.4	18649.3	19357.9	19739.9
-15°	9025.2	9969.8	10970.2	12002.3	13174.4	14483.1	15894.7	17196.7	18151.1	18727.7	19149.9
-17.5°	8761.6	9688.4	10636.8	11615.7	12720.0	14008.9	15429.0	16713.0	17491.1	18006.0	18421.0
-20°	8479.2	9336.2	10234.8	11158.5	12228.8	13505.6	14900.3	16020.3	16753.7	17248.4	17640.2



REPORT NUMBER: P627710 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8156.6	8982.0	9804.4	10687.5	11737.0	12907.5	14139.5	15221.8	16010.2	16460.9	16823.0
-25°	7788.4	8591.3	9372.3	10225.2	11189.8	12242.0	13387.4	14451.0	15157.2	15635.8	15994.9
-27.5°	7391.8	8146.1	8909.1	9675.0	10542.2	11590.5	12651.4	13639.5	14242.2	14724.7	15085.9
-30°	6996.1	7674.5	8380.4	9105.5	9919.3	10864.6	11856.9	12687.7	13323.4	13792.2	14127.5
-32.5°	6567.1	7211.0	7836.4	8514.0	9280.3	10113.3	10984.1	11774.5	12453.8	12883.1	13165.8
-35°	6127.8	6751.1	7323.5	7938.6	8614.4	9333.3	10137.1	10916.6	11587.4	11927.2	12202.6
-37.5°	5670.2	6291.7	6834.4	7348.2	7930.4	8596.2	9379.1	10122.8	10702.3	10994.4	11242.6
-40°	5272.3	5819.4	6307.9	6799.6	7272.9	7864.2	8594.8	9314.8	9779.8	10064.4	10295.0
-42.5°	4886.0	5347.5	5747.6	6188.3	6662.1	7244.9	7834.5	8438.2	8812.0	9127.8	9370.7
-45°	4436.1	4848.7	5223.7	5590.4	6022.4	6554.5	7090.1	7573.7	7923.7	8229.0	8465.5
-47.5°	3938.5	4336.8	4701.1	5028.8	5430.4	5874.2	6325.1	6727.6	7073.2	7374.9	7585.9
-50°	3474.8	3830.6	4186.3	4518.0	4866.0	5225.1	5590.9	5944.1	6272.1	6565.3	6744.9
-52.5°	3059.4	3387.7	3698.5	3988.5	4293.1	4596.4	4899.4	5222.8	5524.8	5802.2	5945.6
-55°	2683.5	2979.6	3260.1	3504.4	3748.7	3989.3	4248.9	4547.6	4825.6	5082.6	5185.5
-57.5°	2346.1	2599.4	2847.7	3054.3	3253.8	3445.2	3673.1	3925.2	4168.5	4388.8	4473.0
-60°	2035.8	2236.8	2444.4	2627.7	2801.5	2965.6	3164.4	3367.4	3564.8	3730.9	3802.6
-62.5°	1750.3	1922.2	2079.5	2228.5	2375.8	2523.6	2683.9	2845.0	3004.4	3132.3	3197.1
-65°	1475.1	1612.0	1738.4	1860.8	1979.7	2103.8	2229.5	2351.8	2469.8	2561.2	2617.4
-67.5°	1216.7	1320.8	1421.1	1516.5	1616.0	1716.6	1814.9	1908.6	1997.2	2067.9	2121.6
-70°	987.6	1068.2	1146.7	1225.8	1308.8	1387.0	1461.0	1531.1	1597.1	1648.0	1689.3
-72.5°	796.1	861.4	929.2	1000.5	1067.6	1126.0	1179.2	1230.4	1279.5	1308.3	1329.8
-75°	641.8	696.9	755.8	813.4	869.5	913.9	952.9	990.7	1027.1	1029.0	1021.7
-77.5°	518.5	567.7	613.3	658.6	703.3	730.7	754.6	779.3	804.1	789.7	766.9
-80°	380.5	421.5	460.2	499.2	538.1	554.3	565.7	575.5	583.7	564.9	541.6
-82.5°	252.5	278.3	303.5	329.2	355.1	365.5	373.3	379.7	384.8	367.7	348.1
-85°	140.9	153.3	165.5	177.8	190.1	197.4	204.0	210.1	215.7	205.5	194.0
-87.5°	58.6	61.4	64.2	66.8	69.5	72.1	74.6	77.1	79.5	79.8	80.1
-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: P627710 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	46.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.4	0.4	0.0	0.0	0.0	0.4	2.4	4.1	5.3	5.9	5.8
62.5°	14.7	15.4	15.9	16.1	15.9	15.4	14.7	14.1	13.6	14.3	15.4
60°	28.5	25.0	24.1	24.2	24.1	25.0	28.5	31.0	32.0	46.8	54.9
57.5°	223.3	191.2	196.0	217.6	196.0	191.2	223.3	241.8	243.1	282.3	283.8
55°	1043.9	1165.3	1208.2	1184.5	1208.2	1165.3	1043.9	915.3	792.9	754.9	755.2
52.5°	1414.3	1464.1	1483.3	1482.6	1483.3	1464.1	1414.3	1347.6	1263.1	1179.8	1098.1
50°	1841.3	1824.4	1798.5	1772.7	1798.5	1824.4	1841.3	1822.1	1758.7	1635.3	1437.7
47.5°	3072.9	3019.6	2997.1	3037.8	2997.1	3019.6	3072.9	3038.3	2801.8	2494.8	2268.4
45°	4083.5	4145.9	4192.5	4190.1	4192.5	4145.9	4083.5	4031.1	3774.5	3423.1	3062.2
42.5°	4658.9	4692.1	4701.8	4689.7	4701.8	4692.1	4658.9	4600.8	4304.1	3928.8	3515.3
40°	5171.7	5211.3	5233.6	5253.7	5233.6	5211.3	5171.7	5095.3	4852.2	4502.5	4113.7
37.5°	5927.6	5942.2	5910.5	5890.3	5910.5	5942.2	5927.6	5879.5	5733.5	5287.1	4971.2
35°	7781.2	7819.2	7731.3	7824.1	7731.3	7819.2	7781.2	7591.1	7365.5	7101.0	6381.7
32.5°	9558.9	9736.8	9880.7	9999.8	9880.7	9736.8	9558.9	9377.2	9224.5	8714.1	7773.5
30°	10565.8	10680.6	10742.3	10757.2	10742.3	10680.6	10565.8	10424.4	10221.6	9568.9	8699.2
27.5°	11305.2	11425.5	11500.4	11554.9	11500.4	11425.5	11305.2	11174.4	10937.8	10271.9	9418.2
25°	12017.8	12127.8	12202.7	12231.8	12202.7	12127.8	12017.8	11884.8	11594.5	11031.8	10190.9
22.5°	12757.2	12833.6	12905.5	12940.9	12905.5	12833.6	12757.2	12601.5	12286.9	11837.8	10946.9
20°	13817.1	13775.6	13841.2	13819.2	13841.2	13775.6	13817.1	13579.1	13247.7	12779.7	11919.5
17.5°	15977.3	15999.7	16043.6	16115.6	16043.6	15999.7	15977.3	15661.6	15256.6	14833.9	13637.1
15°	18694.0	18748.7	19026.5	19274.3	19026.5	18748.7	18694.0	18388.5	17699.1	17089.2	15723.7
12.5°	19872.3	20061.5	20090.9	20160.7	20090.9	20061.5	19872.3	19441.6	18977.5	18199.7	16960.6
10°	20265.6	20593.2	20586.1	20668.3	20586.1	20593.2	20265.6	19890.9	19512.0	18848.3	17551.2
7.5°	20563.8	20915.7	21064.4	21127.6	21064.4	20915.7	20563.8	20310.0	19936.0	19292.9	17966.6
5°	20928.2	21121.6	21378.3	21304.9	21378.3	21121.6	20928.2	20609.6	20136.5	19453.2	18243.8
2.5°	21080.9	21384.0	21314.0	21385.5	21314.0	21384.0	21080.9	20651.0	20216.0	19666.3	18608.1
0°	21184.0	21401.6	21433.8	21506.3	21433.8	21401.6	21184.0	20756.9	20313.8	19782.0	18710.3
-2.5°	21059.1	21250.5	21585.8	21482.2	21585.8	21250.5	21059.1	20667.2	20245.6	19708.9	18744.8
-5°	20949.5	21420.7	21237.7	21466.0	21237.7	21420.7	20949.5	20532.3	20113.1	19532.9	18524.4
-7.5°	20893.0	20977.2	21098.7	21272.6	21098.7	20977.2	20893.0	20418.1	19959.4	19347.7	18326.0
-10°	20455.6	20541.8	20765.0	20885.9	20765.0	20541.8	20455.6	20238.1	19703.4	19053.8	18076.0
-12.5°	19981.3	20148.2	20382.6	20458.8	20382.6	20148.2	19981.3	19739.9	19357.9	18649.3	17677.4
-15°	19434.9	19682.8	19911.3	19959.2	19911.3	19682.8	19434.9	19149.9	18727.7	18151.1	17196.7
-17.5°	18740.1	19037.3	19277.4	19330.7	19277.4	19037.3	18740.1	18421.0	18006.0	17491.1	16713.0
-20°	17974.5	18259.2	18463.4	18524.9	18463.4	18259.2	17974.5	17640.2	17248.4	16753.7	16020.3



REPORT NUMBER: P627710 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	17154.9	17411.2	17583.8	17558.0	17583.8	17411.2	17154.9	16823.0	16460.9	16010.2	15221.8
-25°	16284.6	16522.5	16687.0	16663.6	16687.0	16522.5	16284.6	15994.9	15635.8	15157.2	14451.0
-27.5°	15364.7	15590.0	15748.0	15753.0	15748.0	15590.0	15364.7	15085.9	14724.7	14242.2	13639.5
-30°	14397.9	14602.6	14730.9	14681.4	14730.9	14602.6	14397.9	14127.5	13792.2	13323.4	12687.7
-32.5°	13400.8	13585.9	13703.6	13738.6	13703.6	13585.9	13400.8	13165.8	12883.1	12453.8	11774.5
-35°	12417.3	12580.5	12682.1	12707.2	12682.1	12580.5	12417.3	12202.6	11927.2	11587.4	10916.6
-37.5°	11440.1	11580.6	11651.5	11619.4	11651.5	11580.6	11440.1	11242.6	10994.4	10702.3	10122.8
-40°	10474.5	10608.2	10689.5	10708.8	10689.5	10608.2	10474.5	10295.0	10064.4	9779.8	9314.8
-42.5°	9525.1	9636.3	9707.6	9741.9	9707.6	9636.3	9525.1	9370.7	9127.8	8812.0	8438.2
-45°	8603.7	8703.0	8770.0	8807.2	8770.0	8703.0	8603.7	8465.5	8229.0	7923.7	7573.7
-47.5°	7707.2	7794.3	7852.1	7880.5	7852.1	7794.3	7707.2	7585.9	7374.9	7073.2	6727.6
-50°	6850.0	6925.4	6979.3	7010.3	6979.3	6925.4	6850.0	6744.9	6565.3	6272.1	5944.1
-52.5°	6037.0	6102.9	6148.9	6172.3	6148.9	6102.9	6037.0	5945.6	5802.2	5524.8	5222.8
-55°	5260.7	5314.2	5356.6	5382.6	5356.6	5314.2	5260.7	5185.5	5082.6	4825.6	4547.6
-57.5°	4536.8	4580.4	4620.7	4649.4	4620.7	4580.4	4536.8	4473.0	4388.8	4168.5	3925.2
-60°	3859.2	3900.4	3934.6	3956.4	3934.6	3900.4	3859.2	3802.6	3730.9	3564.8	3367.4
-62.5°	3247.7	3284.2	3315.5	3335.9	3315.5	3284.2	3247.7	3197.1	3132.3	3004.4	2845.0
-65°	2661.5	2694.2	2717.6	2731.6	2717.6	2694.2	2661.5	2617.4	2561.2	2469.8	2351.8
-67.5°	2167.3	2205.1	2212.5	2207.8	2212.5	2205.1	2167.3	2121.6	2067.9	1997.2	1908.6
-70°	1726.2	1758.2	1765.7	1764.7	1765.7	1758.2	1726.2	1689.3	1648.0	1597.1	1531.1
-72.5°	1349.8	1367.2	1352.3	1329.5	1352.3	1367.2	1349.8	1329.8	1308.3	1279.5	1230.4
-75°	1012.8	1001.7	986.1	966.9	986.1	1001.7	1012.8	1021.7	1029.0	1027.1	990.7
-77.5°	741.8	714.3	696.4	676.9	696.4	714.3	741.8	766.9	789.7	804.1	779.3
-80°	516.5	489.6	471.0	451.2	471.0	489.6	516.5	541.6	564.9	583.7	575.5
-82.5°	327.2	305.0	293.8	282.0	293.8	305.0	327.2	348.1	367.7	384.8	379.7
-85°	181.7	168.6	161.0	153.1	161.0	168.6	181.7	194.0	205.5	215.7	210.1
-87.5°	80.3	80.5	76.5	72.5	76.5	80.5	80.3	80.1	79.8	79.5	77.1
-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: P627710 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	44.3	42.3	40.3	38.3	36.3	34.2	32.2	30.2	28.2	26.2	24.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.3	0.2	0.0	0.0	0.7	1.0	0.4	0.0	0.9
67.5°	0.0	0.0	1.4	3.3	4.2	4.1	3.7	4.1	4.8	4.4	4.1
65°	4.9	3.0	1.9	3.9	6.1	8.2	8.5	7.5	7.3	8.4	10.0
62.5°	16.3	16.9	14.7	12.2	10.6	11.8	12.8	13.7	12.0	9.6	12.6
60°	48.6	29.5	43.1	46.1	36.7	31.8	47.7	45.3	23.6	20.4	18.3
57.5°	233.8	195.7	214.7	195.1	133.6	116.6	120.8	115.2	104.3	63.9	27.3
55°	805.8	690.5	542.5	468.6	451.4	345.3	257.3	214.8	194.8	140.6	93.1
52.5°	1023.6	951.6	839.5	685.1	602.7	571.8	488.8	391.1	310.7	248.4	178.4
50°	1283.3	1302.5	1187.5	973.8	889.3	797.9	717.3	604.2	502.4	403.0	297.4
47.5°	2093.5	1950.2	1834.8	1675.3	1372.4	1179.1	1052.1	866.9	727.3	607.0	476.8
45°	2791.3	2627.2	2514.5	2267.0	1945.2	1646.1	1446.4	1214.3	967.2	806.2	688.1
42.5°	3287.0	3074.5	2889.3	2687.4	2380.0	2042.6	1768.7	1539.0	1279.3	1018.2	861.0
40°	3772.0	3435.3	3251.6	3070.9	2781.1	2402.6	2189.2	1852.0	1580.7	1291.4	1076.7
37.5°	4495.3	3922.8	3857.9	3683.8	3356.1	2962.3	2722.2	2389.5	1886.5	1613.7	1366.9
35°	5717.8	5127.9	4787.4	4616.8	4191.8	3690.1	3294.8	2984.1	2485.0	1947.8	1663.4
32.5°	7064.9	6318.4	5801.6	5558.1	5102.0	4421.3	3933.7	3538.4	3037.5	2429.6	1973.5
30°	7825.5	7144.7	6522.3	6106.1	5662.8	5077.6	4518.0	3960.0	3416.1	2913.1	2309.4
27.5°	8533.3	7684.6	7013.5	6543.8	6128.7	5566.1	4947.0	4348.7	3751.1	3254.1	2715.7
25°	9207.8	8267.2	7535.8	6984.3	6501.6	6056.2	5356.4	4702.7	4079.4	3530.0	3108.9
22.5°	9836.0	8962.9	8120.2	7399.1	6990.2	6512.1	5822.0	5030.3	4421.3	3959.3	3463.6
20°	10870.7	9893.2	8826.2	8202.3	7822.0	7083.4	6302.6	5519.8	4960.5	4431.4	3848.4
17.5°	12576.2	11356.6	10080.8	9412.6	8874.0	7968.2	6973.3	6196.6	5498.3	4908.7	4267.1
15°	14443.4	12873.4	11609.3	10746.2	9893.0	8831.9	7680.4	6841.3	6047.8	5384.5	4651.8
12.5°	15366.3	13871.6	12753.4	11537.0	10436.3	9474.9	8385.3	7460.1	6559.5	5695.1	4889.9
10°	15916.9	14431.7	13166.8	11952.6	10849.3	9924.2	8912.1	7816.1	6815.6	5900.8	5088.3
7.5°	16345.2	14814.9	13467.7	12259.1	11141.1	10165.2	9196.6	8047.6	7020.3	6067.0	5247.6
5°	16641.7	15113.5	13747.5	12525.4	11348.5	10338.1	9407.8	8222.8	7172.9	6193.1	5368.5
2.5°	16947.5	15345.4	13922.7	12697.6	11480.7	10447.7	9535.6	8356.6	7296.9	6286.8	5469.4
0°	17066.5	15479.1	14044.8	12787.8	11554.9	10491.3	9572.7	8444.6	7381.0	6341.5	5535.7
-2.5°	17143.1	15522.8	14092.6	12846.2	11653.0	10560.2	9614.4	8543.4	7407.6	6400.4	5554.3
-5°	17026.8	15471.3	14052.5	12797.9	11655.0	10565.5	9585.3	8557.9	7400.9	6416.1	5539.9
-7.5°	16883.9	15335.0	13900.0	12669.4	11571.0	10492.7	9498.6	8493.9	7375.5	6390.4	5512.6
-10°	16642.5	15117.4	13751.5	12535.6	11423.2	10337.5	9372.3	8372.4	7293.1	6317.3	5448.6
-12.5°	16320.4	14842.7	13493.6	12291.1	11224.1	10177.6	9232.5	8204.3	7152.6	6195.5	5347.3
-15°	15894.7	14483.1	13174.4	12002.3	10970.2	9969.8	9025.2	8018.5	7015.6	6045.3	5208.3
-17.5°	15429.0	14008.9	12720.0	11615.7	10636.8	9688.4	8761.6	7823.3	6857.6	5904.5	5083.1
-20°	14900.3	13505.6	12228.8	11158.5	10234.8	9336.2	8479.2	7604.8	6638.4	5742.5	4951.8



REPORT NUMBER: P627710 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14139.5	12907.5	11737.0	10687.5	9804.4	8982.0	8156.6	7311.2	6354.2	5539.5	4773.0
-25°	13387.4	12242.0	11189.8	10225.2	9372.3	8591.3	7788.4	6950.4	6101.2	5301.1	4554.3
-27.5°	12651.4	11590.5	10542.2	9675.0	8909.1	8146.1	7391.8	6599.0	5817.2	5033.0	4348.8
-30°	11856.9	10864.6	9919.3	9105.5	8380.4	7674.5	6996.1	6255.9	5486.6	4742.4	4127.2
-32.5°	10984.1	10113.3	9280.3	8514.0	7836.4	7211.0	6567.1	5865.4	5105.3	4470.9	3870.4
-35°	10137.1	9333.3	8614.4	7938.6	7323.5	6751.1	6127.8	5425.2	4757.7	4162.4	3580.8
-37.5°	9379.1	8596.2	7930.4	7348.2	6834.4	6291.7	5670.2	5046.7	4419.2	3818.9	3311.4
-40°	8594.8	7864.2	7272.9	6799.6	6307.9	5819.4	5272.3	4692.6	4073.4	3487.0	3047.2
-42.5°	7834.5	7244.9	6662.1	6188.3	5747.6	5347.5	4886.0	4300.8	3731.6	3222.3	2799.5
-45°	7090.1	6554.5	6022.4	5590.4	5223.7	4848.7	4436.1	3904.2	3393.0	2955.7	2557.0
-47.5°	6325.1	5874.2	5430.4	5028.8	4701.1	4336.8	3938.5	3488.0	3069.0	2675.0	2321.8
-50°	5590.9	5225.1	4866.0	4518.0	4186.3	3830.6	3474.8	3111.2	2737.3	2393.9	2073.4
-52.5°	4899.4	4596.4	4293.1	3988.5	3698.5	3387.7	3059.4	2735.9	2407.1	2120.1	1833.9
-55°	4248.9	3989.3	3748.7	3504.4	3260.1	2979.6	2683.5	2392.1	2129.7	1866.0	1632.7
-57.5°	3673.1	3445.2	3253.8	3054.3	2847.7	2599.4	2346.1	2099.9	1882.2	1664.0	1448.0
-60°	3164.4	2965.6	2801.5	2627.7	2444.4	2236.8	2035.8	1840.7	1652.5	1474.4	1288.5
-62.5°	2683.9	2523.6	2375.8	2228.5	2079.5	1922.2	1750.3	1592.9	1447.1	1297.1	1128.9
-65°	2229.5	2103.8	1979.7	1860.8	1738.4	1612.0	1475.1	1350.6	1231.4	1109.7	964.3
-67.5°	1814.9	1716.6	1616.0	1516.5	1421.1	1320.8	1216.7	1112.9	1015.8	916.5	798.4
-70°	1461.0	1387.0	1308.8	1225.8	1146.7	1068.2	987.6	903.6	814.8	733.8	653.0
-72.5°	1179.2	1126.0	1067.6	1000.5	929.2	861.4	796.1	730.6	663.2	593.8	523.3
-75°	952.9	913.9	869.5	813.4	755.8	696.9	641.8	585.5	523.8	456.6	391.0
-77.5°	754.6	730.7	703.3	658.6	613.3	567.7	518.5	457.0	394.3	332.2	278.1
-80°	565.7	554.3	538.1	499.2	460.2	421.5	380.5	326.8	273.4	223.4	183.2
-82.5°	373.3	365.5	355.1	329.2	303.5	278.3	252.5	215.2	179.6	145.8	116.0
-85°	204.0	197.4	190.1	177.8	165.5	153.3	140.9	120.4	101.0	83.0	66.9
-87.5°	74.6	72.1	69.5	66.8	64.2	61.4	58.6	52.6	46.7	41.0	35.6
-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: P627710 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	22.2	20.2	18.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	4.3
85°	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.5	1.3	2.4
82.5°	0.0	0.0	0.0	0.1	1.3	2.1	2.4	2.1	1.2	0.2	0.6
80°	0.0	0.0	0.0	0.2	2.0	4.3	5.3	5.5	4.2	2.9	1.6
77.5°	0.0	0.0	0.0	0.1	0.8	2.3	4.6	7.3	7.3	5.7	4.0
75°	0.0	0.0	0.0	0.3	0.5	0.1	1.7	4.3	6.6	8.0	6.4
72.5°	0.0	0.0	0.0	1.0	2.2	2.3	1.3	1.4	4.7	6.9	8.0
70°	1.2	0.4	0.0	1.3	3.3	5.0	4.6	3.7	3.1	5.9	7.7
67.5°	3.8	4.1	3.0	2.3	3.7	5.6	7.5	7.2	6.3	5.3	7.5
65°	9.4	8.7	8.0	7.0	6.1	6.0	7.9	10.0	9.4	8.1	7.4
62.5°	14.1	14.0	13.0	11.8	10.5	9.1	8.4	11.2	12.2	10.9	9.1
60°	18.1	18.9	18.0	16.5	14.9	13.2	12.0	12.7	14.1	13.6	11.6
57.5°	25.1	24.4	24.0	21.8	19.2	17.2	16.2	15.8	16.2	16.0	13.9
55°	44.2	30.8	31.0	28.6	24.7	21.2	20.3	19.6	18.7	18.4	16.3
52.5°	111.9	62.1	39.9	36.9	32.1	26.3	24.5	23.4	22.2	21.0	18.6
50°	206.7	133.8	75.8	47.6	40.5	34.5	28.7	27.2	25.6	23.9	21.0
47.5°	330.8	230.0	149.5	75.0	52.3	43.2	35.9	31.0	29.0	26.9	23.2
45°	509.6	338.9	235.0	148.5	69.7	59.6	44.4	34.7	32.3	29.7	25.4
42.5°	709.0	497.3	329.7	224.3	133.2	82.5	53.1	42.1	35.7	32.7	27.9
40°	904.5	687.3	442.9	309.2	200.9	110.6	76.4	50.3	39.0	35.9	30.6
37.5°	1120.9	888.3	620.4	399.9	269.9	168.8	104.7	58.6	44.4	39.3	33.4
35°	1388.5	1111.2	798.0	532.8	357.4	222.8	136.1	74.6	54.5	42.8	36.3
32.5°	1655.7	1333.9	990.0	687.3	448.9	272.5	177.1	106.4	66.4	46.5	39.3
30°	1924.7	1537.7	1170.8	830.3	554.2	352.4	221.2	137.3	80.0	50.4	42.4
27.5°	2166.9	1730.1	1340.1	979.7	677.6	436.7	267.3	167.3	95.1	57.0	45.6
25°	2440.5	1938.1	1506.7	1122.6	790.5	524.7	314.6	196.6	117.2	68.7	48.7
22.5°	2792.4	2151.7	1661.0	1252.1	902.4	608.8	375.5	235.4	141.4	81.0	51.9
20°	3142.4	2360.5	1812.3	1414.4	1024.0	703.4	445.8	273.9	164.4	93.7	55.1
17.5°	3485.8	2627.9	2032.3	1580.1	1154.1	792.0	511.6	311.8	186.1	106.7	58.2
15°	3793.8	2934.3	2248.6	1736.9	1281.5	873.9	572.4	348.6	206.4	119.7	62.3
12.5°	4052.4	3198.5	2452.2	1883.7	1404.2	948.7	628.0	383.9	225.2	134.2	67.9
10°	4266.0	3421.9	2641.0	2019.2	1520.2	1015.9	678.1	419.2	247.1	149.6	73.8
7.5°	4436.7	3606.4	2812.8	2142.3	1625.4	1078.8	731.9	456.4	268.4	164.2	79.7
5°	4565.1	3750.4	2945.5	2230.6	1709.0	1136.7	781.5	490.6	288.2	177.9	85.7
2.5°	4648.6	3856.4	3044.0	2299.8	1777.2	1185.3	825.2	521.3	306.2	190.3	91.4
0°	4697.7	3932.2	3118.4	2352.9	1829.1	1224.8	862.2	547.9	322.3	201.4	96.7
-2.5°	4741.6	3981.9	3183.4	2445.6	1864.8	1289.5	885.9	571.9	347.7	209.4	106.5
-5°	4756.1	4003.8	3225.9	2517.0	1886.3	1341.8	902.5	591.5	370.0	215.9	115.5
-7.5°	4731.6	3990.6	3240.8	2557.6	1896.4	1378.8	912.2	606.9	388.2	220.9	123.4
-10°	4677.1	3947.4	3221.2	2545.4	1910.1	1390.4	917.8	618.2	401.4	224.6	129.9
-12.5°	4596.3	3882.2	3178.8	2518.3	1907.7	1383.0	932.9	627.0	408.3	227.2	134.8
-15°	4490.5	3796.9	3114.0	2478.4	1884.8	1366.4	936.8	630.2	407.6	231.9	137.7
-17.5°	4365.9	3693.4	3027.3	2427.5	1840.1	1341.3	928.3	626.3	403.5	238.9	140.7
-20°	4241.1	3578.4	2924.4	2367.4	1772.7	1308.8	906.7	614.8	396.1	243.4	143.6



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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°	4094.8	3446.3	2835.5	2283.6	1699.8	1269.6	871.4	595.3	385.5	245.4	144.8
-25°	3926.8	3292.2	2728.5	2168.3	1642.3	1225.2	834.9	567.4	371.8	244.7	144.4
-27.5°	3736.8	3127.5	2602.6	2042.0	1582.6	1163.3	800.4	547.0	360.1	241.2	142.2
-30°	3524.8	2972.4	2452.1	1920.6	1509.6	1096.3	755.1	524.1	354.9	236.7	138.3
-32.5°	3296.3	2797.8	2290.2	1828.1	1426.5	1026.9	715.2	498.3	346.1	230.9	138.5
-35°	3082.0	2607.9	2125.1	1721.2	1338.5	985.7	688.5	469.5	333.6	222.9	139.2
-37.5°	2852.5	2408.6	1994.3	1609.9	1245.9	938.4	666.9	456.7	317.4	212.6	138.7
-40°	2631.7	2219.7	1842.9	1503.8	1177.3	885.2	632.8	442.4	301.9	200.1	136.9
-42.5°	2408.3	2042.0	1698.1	1388.3	1112.6	833.7	589.2	420.5	289.4	192.9	133.7
-45°	2202.5	1858.6	1544.1	1287.6	1040.7	767.8	555.7	392.9	274.0	187.7	130.8
-47.5°	1986.3	1671.8	1403.4	1177.4	946.6	696.1	513.1	371.2	255.5	181.0	129.0
-50°	1763.2	1495.0	1271.7	1056.2	831.5	636.4	467.5	345.3	248.9	175.6	125.8
-52.5°	1567.9	1339.5	1137.0	931.6	744.6	566.5	432.9	317.5	240.1	171.1	121.4
-55°	1399.7	1191.8	1004.3	829.5	661.8	515.0	393.7	304.3	229.2	165.5	115.9
-57.5°	1251.1	1054.7	895.5	738.4	592.7	465.5	366.2	288.6	217.8	157.7	111.0
-60°	1106.5	945.4	796.5	656.5	528.2	422.7	344.7	270.6	204.2	147.8	105.5
-62.5°	973.0	831.2	701.6	575.1	470.5	388.0	320.1	249.5	188.0	135.5	98.3
-65°	832.9	712.0	602.6	503.2	418.0	347.3	288.2	225.5	166.9	120.7	89.0
-67.5°	687.3	598.6	513.1	430.3	360.7	301.3	251.6	193.8	142.1	103.6	78.2
-70°	572.4	494.3	421.9	356.9	300.2	251.6	205.7	156.6	114.5	88.7	66.6
-72.5°	455.6	392.0	332.6	280.9	240.4	199.2	157.4	119.8	95.0	73.2	54.5
-75°	337.2	294.2	255.5	219.6	183.1	147.1	120.0	95.3	74.8	57.0	45.9
-77.5°	244.7	213.6	185.2	162.5	137.4	113.4	90.6	69.9	56.7	47.3	38.6
-80°	166.3	149.9	134.2	118.3	98.1	79.1	65.4	53.8	45.7	38.1	31.1
-82.5°	104.8	96.0	88.2	80.2	68.4	57.9	48.5	40.6	34.4	28.7	25.3
-85°	62.2	57.5	52.9	48.4	41.9	36.2	33.4	30.9	28.2	25.6	22.9
-87.5°	35.1	34.5	34.0	33.4	31.8	30.2	28.8	27.6	25.2	22.9	20.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	6.1



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	16.1	14.1	12.1	10.1	8.1	8.1	8.1
87.5°	6.0	6.8	7.4	7.8	8.1	8.1	8.1
85°	3.9	5.5	6.7	7.6	8.1	8.1	8.1
82.5°	1.9	4.2	6.0	7.3	8.1	8.1	8.1
80°	0.4	3.0	5.4	7.1	8.1	8.1	8.1
77.5°	2.5	2.7	4.8	6.9	8.1	8.1	8.1
75°	4.5	4.0	4.4	6.7	8.1	8.1	8.1
72.5°	6.5	5.2	5.1	6.5	8.1	8.1	8.1
70°	8.1	6.4	5.8	6.5	8.1	8.1	8.1
67.5°	8.3	7.6	6.5	6.8	8.1	8.1	8.1
65°	8.7	8.4	7.1	7.0	8.1	8.1	8.1
62.5°	9.1	9.0	7.6	7.3	8.1	8.1	8.1
60°	9.6	9.7	8.1	7.5	8.1	8.1	8.1
57.5°	11.5	10.5	8.8	7.7	8.2	8.1	8.1
55°	13.5	11.3	9.7	7.8	8.3	8.1	8.1
52.5°	15.5	12.3	10.5	8.0	8.5	8.1	8.1
50°	17.5	14.0	11.4	8.1	8.6	8.1	8.1
47.5°	19.4	15.6	12.3	8.3	8.8	8.1	8.1
45°	21.3	17.2	13.3	9.0	9.1	8.1	8.1
42.5°	23.2	18.7	14.3	9.8	9.3	8.1	8.1
40°	25.0	20.2	15.4	10.7	9.6	8.1	8.1
37.5°	26.7	21.7	16.6	11.8	9.9	8.1	8.1
35°	28.4	23.1	17.7	12.8	10.3	8.1	8.1
32.5°	30.2	24.4	18.8	13.9	10.6	8.1	8.1
30°	32.6	25.7	19.8	14.9	11.0	8.1	8.1
27.5°	35.0	26.9	21.1	15.8	11.4	8.1	8.1
25°	37.4	28.1	22.3	16.8	11.8	8.1	8.1
22.5°	39.7	29.4	23.5	17.7	12.3	8.1	8.1
20°	42.0	30.8	24.7	18.6	12.7	8.1	8.1
17.5°	44.4	32.2	25.8	19.4	13.2	8.1	8.1
15°	46.6	33.6	26.9	20.2	13.6	8.1	8.1
12.5°	48.7	34.9	27.9	21.0	14.1	8.1	8.1
10°	50.6	36.1	28.9	21.7	14.5	8.1	8.1
7.5°	52.3	37.3	29.8	22.4	14.9	8.1	8.1
5°	53.9	38.4	30.7	23.0	15.3	8.1	8.1
2.5°	55.2	39.4	31.5	23.6	15.7	8.1	8.1
0°	56.4	40.3	32.2	24.2	16.1	8.1	8.1
-2.5°	59.5	41.1	32.9	24.2	16.1	8.1	8.1
-5°	62.4	41.9	33.5	24.1	16.0	8.1	8.1
-7.5°	64.9	42.6	34.0	24.0	16.0	8.1	8.1
-10°	67.0	43.2	34.4	23.8	15.9	8.1	8.1
-12.5°	68.6	43.7	34.6	23.6	15.7	8.1	8.1
-15°	69.5	44.2	34.7	23.4	15.6	8.1	8.1
-17.5°	69.9	44.5	34.7	23.1	15.4	8.1	8.1
-20°	71.7	44.8	34.5	22.7	15.1	8.1	8.1

Classified

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

Scaled Data Report



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	76.3	45.0	34.1	22.3	14.9	8.1	8.1
-25°	80.1	47.9	33.5	21.9	14.6	8.1	8.1
-27.5°	83.0	51.7	32.7	21.4	14.3	8.1	8.1
-30°	85.0	54.9	31.9	20.9	14.0	8.1	8.1
-32.5°	86.1	57.6	33.0	20.4	13.6	8.1	8.1
-35°	88.4	59.7	33.9	19.8	13.2	8.1	8.1
-37.5°	90.8	61.0	34.5	19.2	12.8	8.1	8.1
-40°	92.2	61.5	34.7	18.5	12.4	8.1	8.1
-42.5°	92.7	61.5	34.9	18.1	11.9	8.1	8.1
-45°	92.3	61.1	35.1	18.2	11.4	8.1	8.1
-47.5°	90.9	60.2	34.9	18.1	10.9	8.1	8.1
-50°	89.0	58.8	34.2	17.9	10.4	8.1	8.1
-52.5°	86.5	56.9	33.2	17.5	9.8	8.1	8.1
-55°	83.4	54.6	31.8	17.0	9.3	8.1	8.1
-57.5°	79.7	51.6	30.0	16.4	8.7	8.1	8.1
-60°	75.3	48.1	27.9	15.7	8.1	8.1	8.1
-62.5°	69.2	44.0	26.3	14.9	8.1	8.1	8.1
-65°	62.4	39.4	24.6	13.9	8.1	8.1	8.1
-67.5°	54.8	35.4	22.7	12.8	8.1	8.1	8.1
-70°	46.7	32.2	20.7	11.7	8.1	8.1	8.1
-72.5°	41.2	28.7	18.4	11.4	8.1	8.1	8.1
-75°	35.9	25.0	16.1	11.3	8.1	8.1	8.1
-77.5°	30.4	21.2	15.2	11.2	8.1	8.1	8.1
-80°	24.6	19.1	14.7	11.0	8.1	8.1	8.1
-82.5°	22.2	17.9	14.1	10.8	8.1	8.1	8.1
-85°	20.2	16.7	13.5	10.6	8.1	8.1	8.1
-87.5°	18.2	15.4	12.8	10.4	8.1	8.1	8.1
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1

(END OF REPORT)