

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: P627210 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3D-730-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627210 (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-SA3D-730-U-VWR-VSR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (48) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

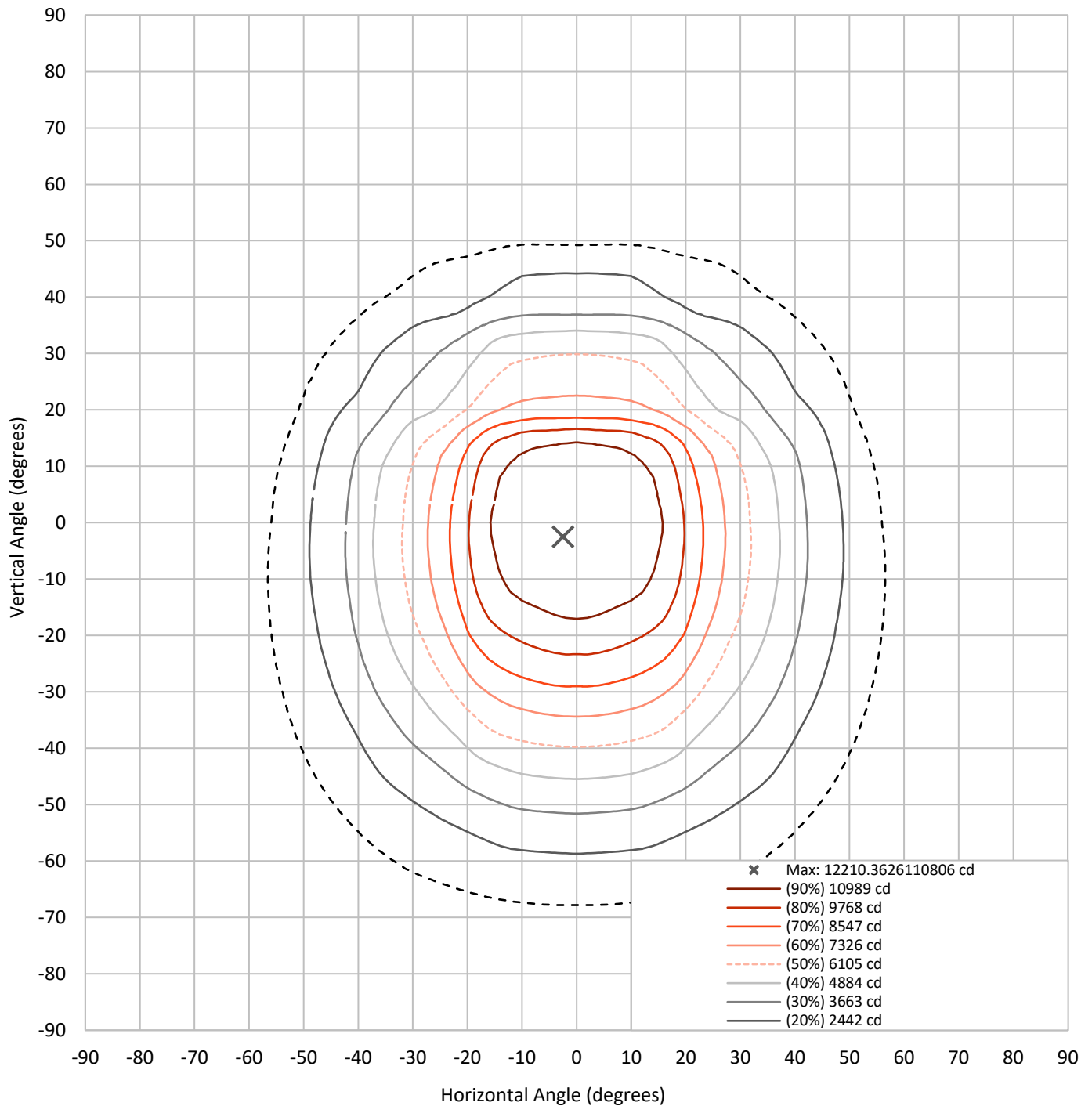
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	16295.1 lumens	Max Intensity:	12210.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	101.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	9427.8 lumens	Field Lumens:	15463 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
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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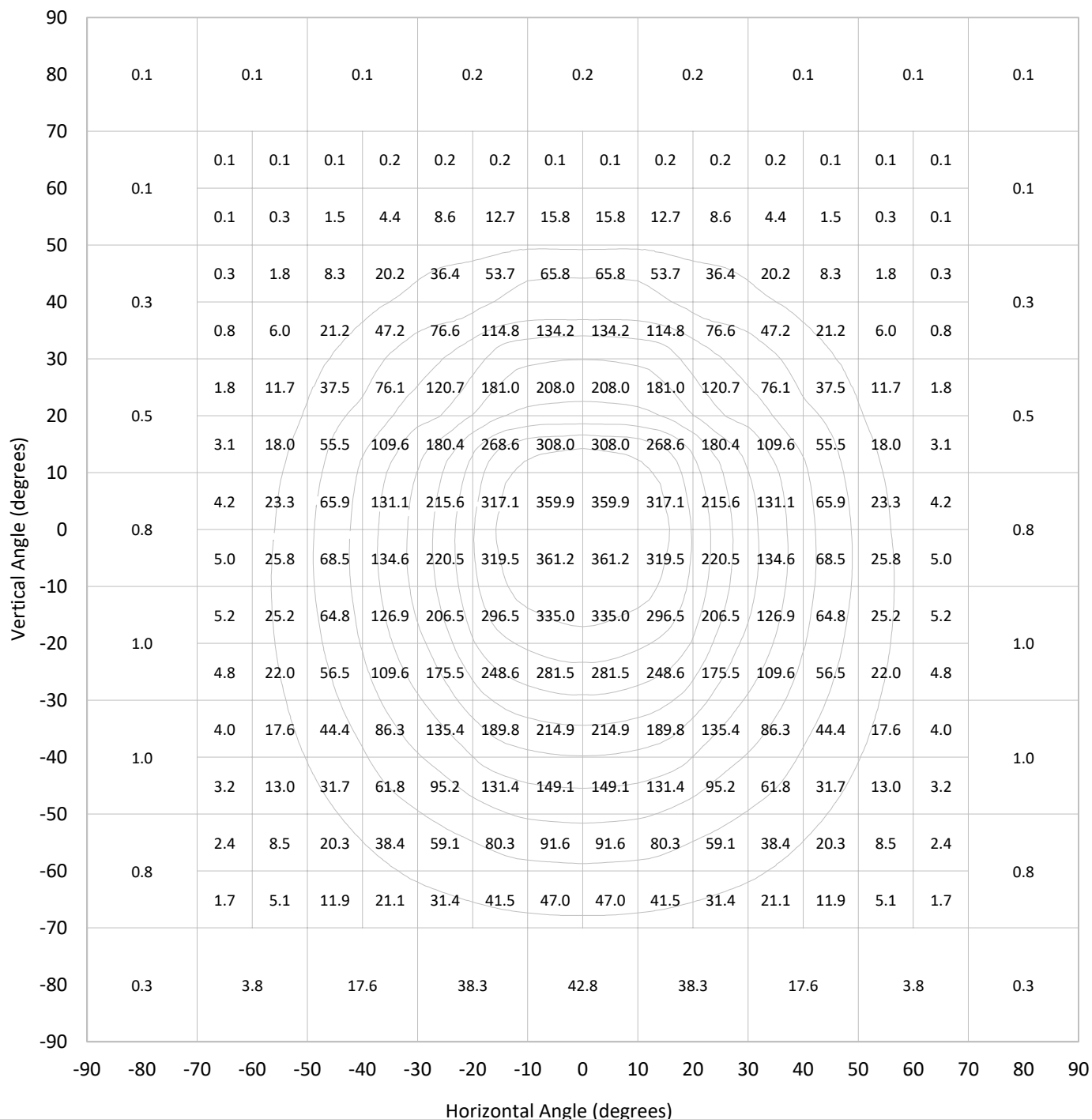
### Iso-Candela Plot





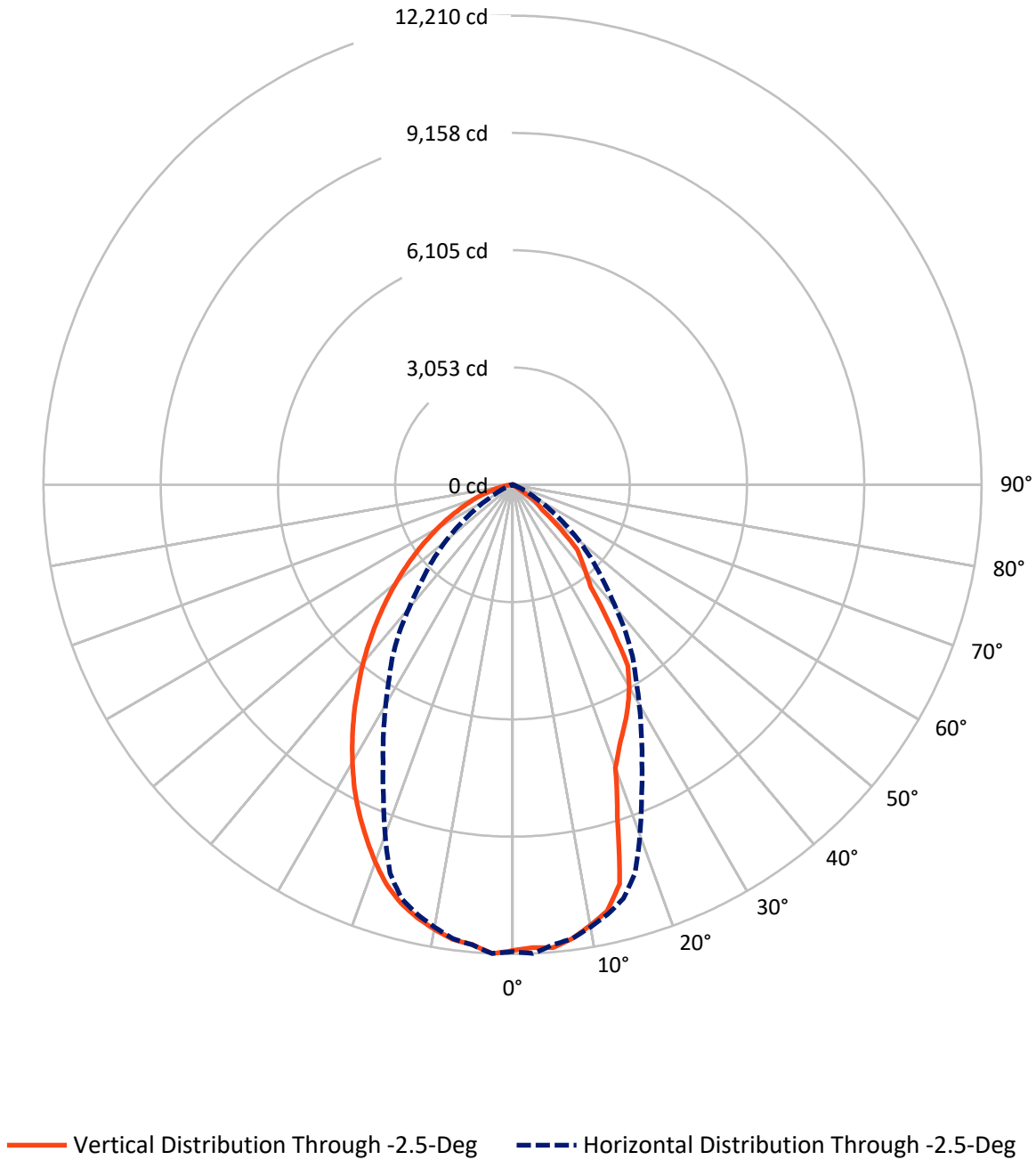
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### Lumen Table



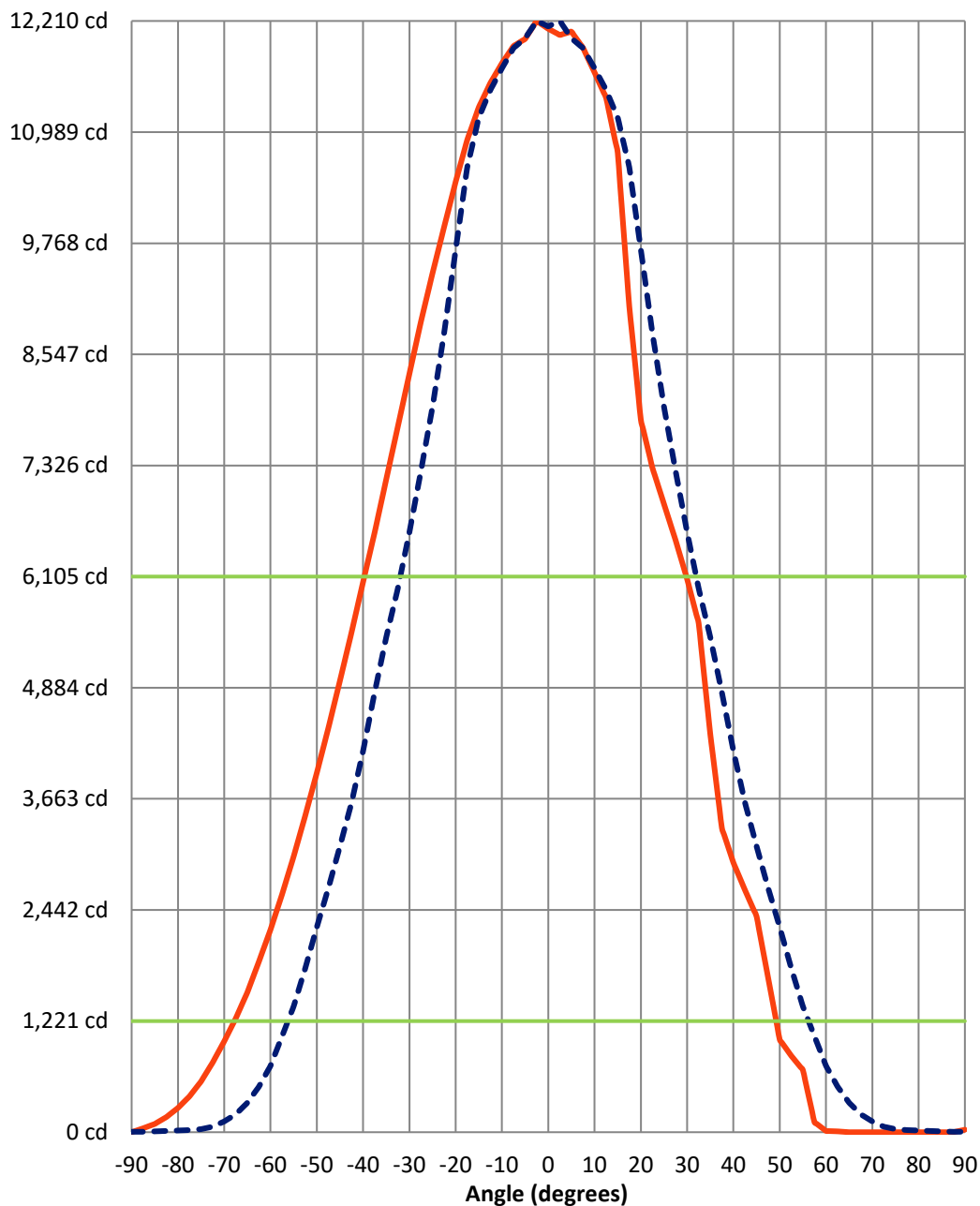
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CATALOG NUMBER: GFLD-SA3D-730-U-VWR-VSR-XX

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 9427.8  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 15463  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 832.1  
 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°	4.6	4.6	4.6	5.7	6.9	8.0	9.1	10.3	11.4	12.6	13.7
87.5°	4.6	4.6	4.6	4.5	4.2	3.9	3.4	2.4	1.5	0.7	0.0
85°	4.6	4.6	4.6	4.3	3.8	3.1	2.2	1.4	0.7	0.3	0.0
82.5°	4.6	4.6	4.6	4.2	3.4	2.4	1.1	0.4	0.1	0.7	1.2
80°	4.6	4.6	4.6	4.0	3.1	1.7	0.2	0.9	1.7	2.4	3.1
77.5°	4.6	4.6	4.6	3.9	2.7	1.5	1.4	2.3	3.2	4.1	4.2
75°	4.6	4.6	4.6	3.8	2.5	2.3	2.6	3.6	4.5	3.7	2.4
72.5°	4.6	4.6	4.6	3.7	2.9	3.0	3.7	4.5	3.9	2.7	0.8
70°	4.6	4.6	4.6	3.7	3.3	3.7	4.6	4.4	3.4	1.8	2.1
67.5°	4.6	4.6	4.6	3.8	3.7	4.3	4.7	4.2	3.0	3.5	4.1
65°	4.6	4.6	4.6	4.0	4.0	4.8	4.9	4.2	4.6	5.3	5.7
62.5°	4.6	4.6	4.6	4.1	4.3	5.1	5.1	5.2	6.1	6.9	6.3
60°	4.6	4.6	4.6	4.3	4.6	5.5	5.4	6.5	7.7	8.0	7.2
57.5°	4.6	4.6	4.7	4.4	5.0	5.9	6.5	7.9	9.0	9.2	8.9
55°	4.6	4.6	4.7	4.4	5.5	6.4	7.7	9.2	10.4	10.6	11.1
52.5°	4.6	4.6	4.8	4.5	6.0	7.0	8.8	10.5	11.9	12.5	13.2
50°	4.6	4.6	4.9	4.6	6.5	7.9	9.9	11.9	13.5	14.5	15.4
47.5°	4.6	4.6	5.0	4.7	7.0	8.8	11.0	13.1	15.2	16.4	17.5
45°	4.6	4.6	5.1	5.1	7.5	9.7	12.1	14.4	16.8	18.3	19.6
42.5°	4.6	4.6	5.3	5.5	8.1	10.6	13.1	15.8	18.5	20.2	23.8
40°	4.6	4.6	5.5	6.1	8.7	11.4	14.1	17.3	20.3	22.1	28.4
37.5°	4.6	4.6	5.6	6.7	9.4	12.3	15.1	18.9	22.2	25.1	33.2
35°	4.6	4.6	5.8	7.3	10.0	13.1	16.0	20.5	24.2	30.9	42.2
32.5°	4.6	4.6	6.0	7.8	10.6	13.8	17.1	22.2	26.3	37.6	60.2
30°	4.6	4.6	6.2	8.4	11.2	14.5	18.4	24.0	28.5	45.3	77.7
27.5°	4.6	4.6	6.5	9.0	11.9	15.2	19.8	25.8	32.3	53.8	94.6
25°	4.6	4.6	6.7	9.5	12.6	15.9	21.1	27.6	38.9	66.3	111.2
22.5°	4.6	4.6	7.0	10.0	13.3	16.6	22.5	29.4	45.8	80.0	133.2
20°	4.6	4.6	7.2	10.5	14.0	17.4	23.8	31.2	53.0	93.0	155.0
17.5°	4.6	4.6	7.5	11.0	14.6	18.2	25.1	32.9	60.3	105.2	176.4
15°	4.6	4.6	7.7	11.4	15.2	19.0	26.3	35.2	67.7	116.7	197.2
12.5°	4.6	4.6	8.0	11.9	15.8	19.7	27.5	38.4	75.9	127.4	217.2
10°	4.6	4.6	8.2	12.3	16.3	20.4	28.6	41.7	84.6	139.8	237.1
7.5°	4.6	4.6	8.4	12.7	16.9	21.1	29.6	45.1	92.9	151.8	258.2
5°	4.6	4.6	8.7	13.0	17.3	21.7	30.5	48.5	100.6	163.0	277.5
2.5°	4.6	4.6	8.9	13.4	17.8	22.3	31.2	51.7	107.7	173.2	294.8
0°	4.6	4.6	9.1	13.7	18.2	22.8	31.9	54.7	114.0	182.3	309.9
-2.5°	4.6	4.6	9.1	13.6	18.9	23.7	35.3	65.4	122.1	209.3	334.6
-5°	4.6	4.6	9.0	13.6	19.2	24.1	36.7	69.8	125.0	219.6	343.3
-7.5°	4.6	4.6	9.0	13.5	19.4	24.4	37.9	73.5	127.1	227.0	349.7
-10°	4.6	4.6	8.9	13.4	19.6	24.7	38.8	76.3	128.5	230.9	354.7
-12.5°	4.6	4.6	8.8	13.2	19.7	25.0	39.3	77.9	131.2	230.5	356.5
-15°	4.6	4.6	8.7	13.1	19.6	25.2	39.5	79.6	135.1	228.2	354.3
-17.5°	4.6	4.6	8.6	12.9	19.5	25.3	40.5	81.2	137.7	224.0	347.8

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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°	4.6	4.6	8.4	12.6	19.3	25.4	43.1	81.9	138.8	218.0	336.7
-25°	4.6	4.6	8.3	12.4	18.9	27.1	45.3	81.7	138.4	210.3	321.0
-27.5°	4.6	4.6	8.1	12.1	18.5	29.2	46.9	80.5	136.4	203.7	309.4
-30°	4.6	4.6	7.9	11.8	18.0	31.1	48.1	78.2	133.9	200.7	296.5
-32.5°	4.6	4.6	7.7	11.5	18.7	32.6	48.7	78.3	130.6	195.7	281.8
-35°	4.6	4.6	7.5	11.2	19.2	33.8	50.0	78.8	126.1	188.7	265.6
-37.5°	4.6	4.6	7.2	10.8	19.5	34.5	51.3	78.5	120.3	179.5	258.3
-40°	4.6	4.6	7.0	10.5	19.6	34.8	52.2	77.4	113.2	170.8	250.2
-42.5°	4.6	4.6	6.7	10.2	19.8	34.8	52.4	75.6	109.1	163.7	237.8
-45°	4.6	4.6	6.5	10.3	19.9	34.5	52.2	74.0	106.2	155.0	222.3
-47.5°	4.6	4.6	6.2	10.2	19.7	34.0	51.4	73.0	102.4	144.6	210.0
-50°	4.6	4.6	5.9	10.1	19.4	33.2	50.3	71.2	99.4	140.8	195.4
-52.5°	4.6	4.6	5.6	9.9	18.8	32.2	48.9	68.7	96.8	135.8	179.7
-55°	4.6	4.6	5.3	9.6	18.0	30.9	47.2	65.6	93.6	129.7	172.2
-57.5°	4.6	4.6	4.9	9.3	16.9	29.2	45.1	62.8	89.2	123.2	163.3
-60°	4.6	4.6	4.6	8.9	15.7	27.2	42.6	59.7	83.6	115.5	153.0
-62.5°	4.6	4.6	4.6	8.4	14.9	24.9	39.1	55.6	76.7	106.4	141.1
-65°	4.6	4.6	4.6	7.9	13.9	22.3	35.3	50.3	68.3	94.4	127.6
-67.5°	4.6	4.6	4.6	7.3	12.9	20.0	31.0	44.2	58.6	80.3	109.6
-70°	4.6	4.6	4.6	6.6	11.7	18.2	26.4	37.7	50.2	64.8	88.6
-72.5°	4.6	4.6	4.6	6.5	10.4	16.2	23.3	30.8	41.4	53.7	67.8
-75°	4.6	4.6	4.6	6.4	9.1	14.2	20.3	26.0	32.2	42.3	53.9
-77.5°	4.6	4.6	4.6	6.3	8.6	12.0	17.2	21.8	26.7	32.1	39.6
-80°	4.6	4.6	4.6	6.2	8.3	10.8	13.9	17.6	21.5	25.8	30.4
-82.5°	4.6	4.6	4.6	6.1	8.0	10.1	12.6	14.3	16.3	19.5	22.9
-85°	4.6	4.6	4.6	6.0	7.6	9.4	11.4	13.0	14.5	16.0	17.5
-87.5°	4.6	4.6	4.6	5.9	7.2	8.7	10.3	11.6	12.9	14.3	15.6
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.4	2.3	1.1	0.0





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 CATALOG NUMBER: GFLD-SA3D-730-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°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	14.8	16.0	17.1
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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.4	1.2	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.0	2.5	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.6	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.0	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.8	1.3	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2.6	2.8	1.9	0.8	0.0	0.2	0.7	0.5	0.0	0.2	0.6
67.5°	4.3	3.2	2.1	1.3	1.7	2.3	2.2	2.3	2.5	2.7	2.3
65°	4.5	3.4	3.4	4.0	4.5	4.9	5.3	5.7	4.8	4.1	4.2
62.5°	4.8	5.2	5.9	6.7	7.3	7.9	8.0	7.1	5.4	6.8	7.8
60°	6.8	7.5	8.4	9.3	10.2	10.7	10.3	10.4	11.5	13.4	25.6
57.5°	9.1	9.7	10.9	12.3	13.6	13.8	14.2	15.4	36.1	59.0	65.2
55°	11.5	12.0	14.0	16.2	17.5	17.4	25.0	52.7	79.5	110.2	121.5
52.5°	13.9	14.9	18.1	20.9	22.6	35.1	63.3	100.9	140.5	175.7	221.2
50°	16.2	19.5	22.9	26.9	42.9	75.7	116.9	168.3	228.0	284.2	341.9
47.5°	20.3	24.4	29.6	42.4	84.5	130.1	187.2	269.7	343.4	411.4	490.4
45°	25.1	33.7	39.5	84.0	132.9	191.8	288.3	389.2	456.0	547.1	686.9
42.5°	30.1	46.7	75.3	126.8	186.5	281.3	401.0	487.0	576.0	723.6	870.6
40°	43.2	62.6	113.6	174.9	250.5	388.8	511.6	609.0	730.5	894.2	1047.6
37.5°	59.2	95.5	152.7	226.2	350.9	502.5	634.0	773.2	912.8	1067.2	1351.7
35°	77.0	126.0	202.2	301.4	451.4	628.6	785.4	940.9	1101.8	1405.7	1688.0
32.5°	100.2	154.1	254.0	388.8	560.0	754.5	936.6	1116.3	1374.3	1718.2	2001.6
30°	125.1	199.3	313.5	469.7	662.3	869.8	1088.8	1306.3	1647.8	1932.4	2240.0
27.5°	151.2	247.1	383.4	554.2	758.0	978.7	1225.7	1536.2	1840.7	2121.9	2460.0
25°	178.0	296.8	447.2	635.0	852.2	1096.3	1380.5	1758.6	1996.8	2307.5	2660.2
22.5°	212.4	344.4	510.5	708.3	939.6	1217.2	1579.6	1959.3	2239.6	2501.0	2845.5
20°	252.2	398.0	579.3	800.1	1025.1	1335.2	1777.6	2176.9	2506.7	2805.9	3122.3
17.5°	289.4	448.0	652.8	893.8	1149.6	1486.6	1971.8	2413.8	2776.7	3110.2	3505.2
15°	323.8	494.3	724.9	982.5	1271.9	1659.9	2146.0	2631.4	3045.8	3421.0	3869.9
12.5°	355.2	536.6	794.3	1065.5	1387.1	1809.3	2292.3	2766.0	3221.5	3710.5	4219.9
10°	383.6	574.6	859.9	1142.2	1493.9	1935.7	2413.1	2878.3	3337.9	3855.3	4421.3
7.5°	414.0	610.2	919.5	1211.8	1591.1	2040.0	2509.7	2968.4	3431.9	3971.2	4552.2
5°	442.1	642.9	966.8	1261.7	1666.2	2121.5	2582.3	3036.8	3503.3	4057.5	4651.3
2.5°	466.8	670.5	1005.3	1300.8	1721.9	2181.4	2629.5	3093.9	3556.2	4127.7	4727.0
0°	487.7	692.8	1034.7	1330.9	1764.0	2224.3	2657.3	3131.4	3587.2	4175.2	4776.8
-2.5°	501.1	729.4	1054.9	1383.3	1800.7	2252.4	2682.2	3141.9	3620.5	4190.2	4832.7
-5°	510.5	759.0	1067.1	1423.8	1824.8	2264.8	2690.4	3133.8	3629.4	4186.4	4841.0
-7.5°	516.0	780.0	1072.8	1446.7	1833.2	2257.3	2676.5	3118.3	3614.8	4172.1	4804.7
-10°	519.2	786.5	1080.5	1439.8	1822.1	2232.9	2645.7	3082.1	3573.5	4125.5	4736.0
-12.5°	527.8	782.4	1079.2	1424.5	1798.1	2196.0	2600.0	3024.8	3504.6	4046.0	4640.9
-15°	529.9	772.9	1066.2	1402.0	1761.5	2147.8	2540.1	2946.1	3419.6	3968.5	4535.8
-17.5°	525.1	758.8	1040.9	1373.2	1712.4	2089.2	2469.6	2875.3	3339.9	3879.1	4425.4
-20°	512.9	740.4	1002.8	1339.2	1654.2	2024.2	2399.0	2801.1	3248.3	3755.1	4301.8



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 CATALOG NUMBER: GFLD-SA3D-730-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°	492.9	718.2	961.5	1291.8	1603.9	1949.5	2316.3	2699.9	3133.5	3594.4	4135.7
-25°	472.3	693.1	929.0	1226.5	1543.5	1862.3	2221.2	2576.2	2998.6	3451.2	3931.6
-27.5°	452.7	658.1	895.2	1155.1	1472.2	1769.1	2113.8	2460.0	2847.0	3290.6	3732.9
-30°	427.1	620.2	853.9	1086.4	1387.1	1681.4	1993.8	2334.6	2682.6	3103.6	3538.8
-32.5°	404.6	580.8	807.0	1034.1	1295.5	1582.6	1864.6	2189.4	2529.0	2887.9	3317.9
-35°	389.5	557.6	757.2	973.7	1202.1	1475.2	1743.4	2025.5	2354.5	2691.3	3068.8
-37.5°	377.2	530.8	704.7	910.7	1128.1	1362.5	1613.6	1873.1	2160.2	2499.8	2854.7
-40°	357.9	500.7	665.9	850.6	1042.5	1255.6	1488.6	1723.6	1972.5	2304.2	2654.4
-42.5°	333.3	471.6	629.3	785.3	960.6	1155.1	1362.3	1583.6	1822.7	2110.8	2432.8
-45°	314.3	434.3	588.7	728.3	873.4	1051.4	1245.9	1446.3	1671.9	1919.3	2208.4
-47.5°	290.2	393.8	535.4	666.0	793.8	945.7	1123.6	1313.4	1513.1	1736.0	1973.0
-50°	264.4	360.0	470.3	597.5	719.3	845.6	997.4	1172.9	1354.1	1548.4	1759.8
-52.5°	244.9	320.4	421.2	527.0	643.2	757.7	886.9	1037.3	1199.2	1361.6	1547.6
-55°	222.8	291.3	374.4	469.2	568.1	674.1	791.7	923.6	1055.5	1204.7	1353.1
-57.5°	207.2	263.3	335.3	417.7	506.6	596.7	707.7	819.0	941.2	1064.7	1187.8
-60°	195.0	239.2	298.8	371.4	450.6	534.9	626.0	728.8	834.0	934.8	1041.2
-62.5°	181.1	219.5	266.1	325.3	396.9	470.2	550.4	638.6	733.7	818.6	901.1
-65°	163.0	196.4	236.5	284.7	340.8	402.8	471.2	545.5	627.7	696.6	764.0
-67.5°	142.3	170.4	204.1	243.4	290.3	338.6	388.8	451.7	518.4	574.6	629.5
-70°	116.3	142.3	169.8	201.9	238.6	279.6	323.8	369.4	415.1	461.0	511.2
-72.5°	89.0	112.7	136.0	158.9	188.2	221.7	257.7	296.0	335.9	375.1	413.3
-75°	67.9	83.2	103.6	124.2	144.6	166.4	190.8	221.2	258.3	296.3	331.2
-77.5°	51.3	64.1	77.7	91.9	104.8	120.9	138.5	157.4	188.0	223.1	258.5
-80°	37.0	44.7	55.5	66.9	75.9	84.8	94.1	103.7	126.4	154.7	184.9
-82.5°	27.4	32.7	38.7	45.4	49.9	54.3	59.3	65.6	82.5	101.6	121.7
-85°	18.9	20.5	23.7	27.4	29.9	32.5	35.2	37.9	47.0	57.2	68.1
-87.5°	16.3	17.1	18.0	18.9	19.2	19.5	19.8	20.1	23.2	26.4	29.7
-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: P627210 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	18.2	19.4	20.5	21.7	22.8	23.9	25.1	26.2	27.3	27.3	27.3
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°	0.4	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2.1	2.3	2.4	1.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0
65°	4.8	4.6	3.4	2.2	1.1	1.7	2.8	3.3	3.4	3.0	2.3
62.5°	7.3	6.7	6.0	6.9	8.3	9.6	9.2	8.7	8.1	7.7	8.0
60°	27.0	18.0	20.8	26.1	24.4	16.7	27.5	31.1	26.5	18.1	17.5
57.5°	68.3	66.0	75.6	110.4	121.5	110.7	132.2	160.6	159.7	137.6	136.8
55°	145.6	195.3	255.4	265.1	306.9	390.6	455.8	427.2	427.0	448.5	517.8
52.5°	276.5	323.5	340.9	387.6	474.9	538.3	579.0	621.1	667.3	714.5	762.3
50°	405.8	451.4	503.1	550.9	671.7	736.8	725.9	813.2	925.0	994.8	1030.7
47.5°	595.2	667.0	776.4	947.7	1037.9	1103.1	1184.3	1283.2	1411.2	1584.9	1718.7
45°	818.2	931.2	1100.4	1282.4	1422.4	1486.2	1579.0	1732.2	1936.3	2135.1	2280.3
42.5°	1000.5	1155.4	1346.3	1520.2	1634.4	1739.2	1859.4	1988.5	2222.4	2434.7	2602.5
40°	1238.4	1359.1	1573.2	1737.1	1839.3	1943.2	2133.7	2327.0	2546.9	2744.7	2882.2
37.5°	1539.9	1675.7	1898.4	2083.8	2182.3	2219.0	2542.8	2812.0	2990.7	3243.3	3325.8
35°	1863.8	2087.4	2371.1	2611.6	2708.1	2900.7	3234.3	3609.9	4016.8	4166.4	4294.0
32.5°	2225.2	2501.0	2886.1	3144.1	3281.8	3574.1	3996.4	4397.2	4929.3	5218.0	5304.4
30°	2555.7	2872.3	3203.3	3454.0	3689.5	4041.5	4426.6	4920.8	5412.8	5782.1	5896.7
27.5°	2798.3	3148.5	3466.8	3701.6	3967.3	4346.8	4827.0	5327.5	5810.4	6187.1	6321.0
25°	3029.9	3425.8	3677.8	3950.8	4262.7	4676.4	5208.5	5764.6	6240.3	6558.6	6722.8
22.5°	3293.3	3683.7	3954.2	4185.4	4593.3	5070.0	5563.9	6192.3	6696.2	6950.3	7128.2
20°	3565.2	4006.9	4424.6	4639.7	4992.7	5596.3	6149.1	6742.4	7229.0	7493.8	7681.2
17.5°	3944.5	4507.4	5019.8	5324.4	5702.4	6424.1	7113.9	7714.0	8391.0	8630.1	8859.2
15°	4344.5	4995.9	5596.2	6078.8	6567.0	7282.1	8170.1	8894.3	9666.7	10011.7	10401.7
12.5°	4743.3	5359.7	5903.5	6526.1	7214.1	7846.7	8692.2	9594.0	10294.9	10734.8	10997.4
10°	5041.3	5613.8	6137.1	6761.2	7448.0	8163.5	9003.6	9928.1	10661.8	11037.2	11251.6
7.5°	5202.2	5750.1	6302.1	6934.5	7618.2	8380.2	9245.9	10163.1	10913.4	11277.1	11488.6
5°	5321.6	5847.9	6419.4	7085.2	7776.5	8549.2	9413.7	10319.9	11004.0	11390.5	11658.1
2.5°	5393.9	5909.9	6494.2	7182.6	7875.6	8680.4	9586.6	10526.0	11124.5	11435.5	11681.6
0°	5414.9	5934.6	6536.2	7233.6	7944.6	8756.0	9653.9	10583.7	11190.0	11490.8	11741.5
-2.5°	5438.5	5973.6	6591.7	7266.6	7971.6	8780.7	9697.3	10603.3	11148.6	11452.2	11690.7
-5°	5422.1	5976.6	6592.9	7239.3	7949.0	8751.6	9631.5	10478.6	11049.1	11377.3	11614.4
-7.5°	5373.0	5935.4	6545.3	7166.6	7862.8	8674.5	9550.6	10366.4	10944.3	11290.4	11549.8
-10°	5301.6	5847.6	6461.7	7090.9	7778.7	8551.4	9414.1	10225.0	10778.1	11145.5	11447.9
-12.5°	5222.5	5757.2	6349.1	6952.7	7632.9	8395.9	9231.8	9999.5	10549.3	10950.1	11166.2
-15°	5105.2	5639.6	6205.5	6789.3	7452.3	8192.6	8991.1	9727.6	10267.5	10593.6	10832.4
-17.5°	4956.1	5480.4	6016.9	6570.6	7195.2	7924.3	8727.7	9454.0	9894.1	10185.4	10420.1
-20°	4796.4	5281.2	5789.5	6312.0	6917.4	7639.6	8428.6	9062.1	9476.9	9756.8	9978.5



REPORT NUMBER: P627210 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-730-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°	4613.9	5080.8	5546.1	6045.5	6639.2	7301.3	7998.2	8610.4	9056.4	9311.4	9516.2
-25°	4405.6	4859.8	5301.6	5784.0	6329.6	6924.8	7572.8	8174.4	8573.8	8844.6	9047.8
-27.5°	4181.3	4608.0	5039.6	5472.8	5963.3	6556.3	7156.4	7715.3	8056.3	8329.2	8533.6
-30°	3957.4	4341.2	4740.5	5150.6	5611.0	6145.7	6707.0	7177.0	7536.5	7801.7	7991.4
-32.5°	3714.8	4079.0	4432.7	4816.0	5249.5	5720.7	6213.3	6660.4	7044.6	7287.5	7447.4
-35°	3466.3	3818.8	4142.6	4490.5	4872.9	5279.5	5734.3	6175.1	6554.6	6746.8	6902.6
-37.5°	3207.4	3559.0	3866.0	4156.6	4486.0	4862.5	5305.4	5726.1	6053.9	6219.1	6359.6
-40°	2982.3	3291.8	3568.2	3846.3	4114.0	4448.5	4861.8	5269.1	5532.1	5693.1	5823.5
-42.5°	2763.8	3024.9	3251.2	3500.5	3768.5	4098.2	4431.7	4773.2	4984.6	5163.3	5300.7
-45°	2509.3	2742.7	2954.8	3162.2	3406.6	3707.6	4010.6	4284.2	4482.2	4654.9	4788.7
-47.5°	2227.9	2453.2	2659.2	2844.6	3071.8	3322.8	3577.9	3805.5	4001.1	4171.7	4291.1
-50°	1965.6	2166.8	2368.0	2555.7	2752.5	2955.6	3162.5	3362.3	3547.9	3713.7	3815.4
-52.5°	1730.5	1916.3	2092.1	2256.2	2428.4	2600.0	2771.4	2954.3	3125.1	3282.1	3363.2
-55°	1517.9	1685.4	1844.1	1982.3	2120.5	2256.6	2403.5	2572.4	2729.7	2875.0	2933.3
-57.5°	1327.1	1470.4	1610.9	1727.7	1840.5	1948.8	2077.8	2220.4	2358.0	2482.6	2530.2
-60°	1151.6	1265.3	1382.7	1486.4	1584.7	1677.5	1790.0	1904.9	2016.5	2110.4	2151.0
-62.5°	990.1	1087.4	1176.3	1260.6	1343.9	1427.5	1518.2	1609.3	1699.5	1771.8	1808.5
-65°	834.4	911.8	983.3	1052.6	1119.8	1190.0	1261.1	1330.4	1397.1	1448.8	1480.6
-67.5°	688.2	747.1	803.8	857.8	914.1	971.0	1026.6	1079.6	1129.8	1169.8	1200.1
-70°	558.7	604.3	648.7	693.4	740.3	784.5	826.4	866.1	903.4	932.2	955.6
-72.5°	450.4	487.3	525.7	565.9	603.9	636.9	667.0	696.0	723.8	740.0	752.2
-75°	363.0	394.2	427.5	460.1	491.8	517.0	539.1	560.4	581.0	582.1	578.0
-77.5°	293.3	321.1	346.9	372.5	397.8	413.3	426.9	440.8	454.8	446.7	433.8
-80°	215.2	238.4	260.4	282.4	304.4	313.6	320.0	325.5	330.2	319.5	306.4
-82.5°	142.8	157.4	171.7	186.2	200.9	206.8	211.2	214.8	217.6	208.0	196.9
-85°	79.7	86.7	93.6	100.6	107.6	111.7	115.4	118.8	122.0	116.2	109.8
-87.5°	33.2	34.8	36.3	37.8	39.3	40.8	42.2	43.6	45.0	45.2	45.3
-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: P627210 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-730-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°	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	26.2
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	0.0	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°	1.4	0.2	0.0	0.0	0.0	0.2	1.4	2.3	3.0	3.4	3.3
62.5°	8.3	8.7	9.0	9.1	9.0	8.7	8.3	8.0	7.7	8.1	8.7
60°	16.1	14.1	13.6	13.7	13.6	14.1	16.1	17.5	18.1	26.5	31.1
57.5°	126.3	108.1	110.9	123.1	110.9	108.1	126.3	136.8	137.6	159.7	160.6
55°	590.5	659.2	683.4	670.0	683.4	659.2	590.5	517.8	448.5	427.0	427.2
52.5°	800.0	828.2	839.0	838.7	839.0	828.2	800.0	762.3	714.5	667.3	621.1
50°	1041.5	1032.0	1017.3	1002.8	1017.3	1032.0	1041.5	1030.7	994.8	925.0	813.2
47.5°	1738.2	1708.1	1695.4	1718.4	1695.4	1708.1	1738.2	1718.7	1584.9	1411.2	1283.2
45°	2309.9	2345.2	2371.5	2370.2	2371.5	2345.2	2309.9	2280.3	2135.1	1936.3	1732.2
42.5°	2635.4	2654.1	2659.6	2652.8	2659.6	2654.1	2635.4	2602.5	2434.7	2222.4	1988.5
40°	2925.4	2947.9	2960.5	2971.8	2960.5	2947.9	2925.4	2882.2	2744.7	2546.9	2327.0
37.5°	3353.1	3361.3	3343.4	3331.9	3343.4	3361.3	3353.1	3325.8	3243.3	2990.7	2812.0
35°	4401.6	4423.1	4373.4	4425.8	4373.4	4423.1	4401.6	4294.0	4166.4	4016.8	3609.9
32.5°	5407.2	5507.8	5589.2	5656.5	5589.2	5507.8	5407.2	5304.4	5218.0	4929.3	4397.2
30°	5976.8	6041.7	6076.5	6085.0	6076.5	6041.7	5976.8	5896.7	5782.1	5412.8	4920.8
27.5°	6395.0	6463.0	6505.3	6536.2	6505.3	6463.0	6395.0	6321.0	6187.1	5810.4	5327.5
25°	6798.0	6860.3	6902.6	6919.1	6902.6	6860.3	6798.0	6722.8	6558.6	6240.3	5764.6
22.5°	7216.3	7259.5	7300.2	7320.2	7300.2	7259.5	7216.3	7128.2	6950.3	6696.2	6192.3
20°	7815.8	7792.3	7829.5	7817.0	7829.5	7792.3	7815.8	7681.2	7493.8	7229.0	6742.4
17.5°	9037.8	9050.5	9075.3	9116.1	9075.3	9050.5	9037.8	8859.2	8630.1	8391.0	7714.0
15°	10574.5	10605.5	10762.6	10902.8	10762.6	10605.5	10574.5	10401.7	10011.7	9666.7	8894.3
12.5°	11241.1	11348.1	11364.7	11404.2	11364.7	11348.1	11241.1	10997.4	10734.8	10294.9	9594.0
10°	11463.5	11648.8	11644.9	11691.3	11644.9	11648.8	11463.5	11251.6	11037.2	10661.8	9928.1
7.5°	11632.2	11831.3	11915.4	11951.1	11915.4	11831.3	11632.2	11488.6	11277.1	10913.4	10163.1
5°	11838.4	11947.8	12092.9	12051.4	12092.9	11947.8	11838.4	11658.1	11390.5	11004.0	10319.9
2.5°	11924.7	12096.1	12056.6	12097.0	12056.6	12096.1	11924.7	11681.6	11435.5	11124.5	10526.0
0°	11983.1	12106.1	12124.4	12165.4	12124.4	12106.1	11983.1	11741.5	11490.8	11190.0	10583.7
-2.5°	11912.3	12020.7	12210.4	12151.7	12210.4	12020.7	11912.3	11690.7	11452.2	11148.6	10603.3
-5°	11850.4	12117.0	12013.4	12142.6	12013.4	12117.0	11850.4	11614.4	11377.3	11049.1	10478.6
-7.5°	11818.4	11866.1	11934.8	12033.2	11934.8	11866.1	11818.4	11549.8	11290.4	10944.3	10366.4
-10°	11571.0	11619.8	11746.0	11814.4	11746.0	11619.8	11571.0	11447.9	11145.5	10778.1	10225.0
-12.5°	11302.7	11397.1	11529.7	11572.8	11529.7	11397.1	11302.7	11166.2	10950.1	10549.3	9999.5
-15°	10993.6	11133.9	11263.1	11290.2	11263.1	11133.9	10993.6	10832.4	10593.6	10267.5	9727.6
-17.5°	10600.6	10768.7	10904.6	10934.7	10904.6	10768.7	10600.6	10420.1	10185.4	9894.1	9454.0
-20°	10167.5	10328.6	10444.1	10478.9	10444.1	10328.6	10167.5	9978.5	9756.8	9476.9	9062.1



REPORT NUMBER: P627210 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-730-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°	9703.9	9848.9	9946.5	9931.9	9946.5	9848.9	9703.9	9516.2	9311.4	9056.4	8610.4
-25°	9211.6	9346.2	9439.2	9426.0	9439.2	9346.2	9211.6	9047.8	8844.6	8573.8	8174.4
-27.5°	8691.3	8818.7	8908.1	8910.9	8908.1	8818.7	8691.3	8533.6	8329.2	8056.3	7715.3
-30°	8144.4	8260.2	8332.8	8304.7	8332.8	8260.2	8144.4	7991.4	7801.7	7536.5	7177.0
-32.5°	7580.3	7685.1	7751.6	7771.4	7751.6	7685.1	7580.3	7447.4	7287.5	7044.6	6660.4
-35°	7024.0	7116.4	7173.8	7188.0	7173.8	7116.4	7024.0	6902.6	6746.8	6554.6	6175.1
-37.5°	6471.3	6550.7	6590.9	6572.7	6590.9	6550.7	6471.3	6359.6	6219.1	6053.9	5726.1
-40°	5925.1	6000.7	6046.7	6057.6	6046.7	6000.7	5925.1	5823.5	5693.1	5532.1	5269.1
-42.5°	5388.0	5450.9	5491.2	5510.7	5491.2	5450.9	5388.0	5300.7	5163.3	4984.6	4773.2
-45°	4866.8	4923.1	4960.9	4981.9	4960.9	4923.1	4866.8	4788.7	4654.9	4482.2	4284.2
-47.5°	4359.7	4409.0	4441.7	4457.8	4441.7	4409.0	4359.7	4291.1	4171.7	4001.1	3805.5
-50°	3874.8	3917.5	3947.9	3965.5	3947.9	3917.5	3874.8	3815.4	3713.7	3547.9	3362.3
-52.5°	3414.9	3452.2	3478.1	3491.4	3478.1	3452.2	3414.9	3363.2	3282.1	3125.1	2954.3
-55°	2975.8	3006.0	3030.1	3044.8	3030.1	3006.0	2975.8	2933.3	2875.0	2729.7	2572.4
-57.5°	2566.3	2591.0	2613.7	2630.0	2613.7	2591.0	2566.3	2530.2	2482.6	2358.0	2220.4
-60°	2183.0	2206.3	2225.7	2238.0	2225.7	2206.3	2183.0	2151.0	2110.4	2016.5	1904.9
-62.5°	1837.1	1857.7	1875.4	1887.0	1875.4	1857.7	1837.1	1808.5	1771.8	1699.5	1609.3
-65°	1505.5	1524.0	1537.3	1545.2	1537.3	1524.0	1505.5	1480.6	1448.8	1397.1	1330.4
-67.5°	1226.0	1247.3	1251.5	1248.9	1251.5	1247.3	1226.0	1200.1	1169.8	1129.8	1079.6
-70°	976.5	994.6	998.8	998.2	998.8	994.6	976.5	955.6	932.2	903.4	866.1
-72.5°	763.5	773.3	765.0	752.1	765.0	773.3	763.5	752.2	740.0	723.8	696.0
-75°	573.0	566.7	557.8	547.0	557.8	566.7	573.0	578.0	582.1	581.0	560.4
-77.5°	419.6	404.1	394.0	382.9	394.0	404.1	419.6	433.8	446.7	454.8	440.8
-80°	292.1	276.9	266.4	255.2	266.4	276.9	292.1	306.4	319.5	330.2	325.5
-82.5°	185.1	172.5	166.2	159.5	166.2	172.5	185.1	196.9	208.0	217.6	214.8
-85°	102.8	95.4	91.1	86.6	91.1	95.4	102.8	109.8	116.2	122.0	118.8
-87.5°	45.4	45.5	43.3	41.0	43.3	45.5	45.4	45.3	45.2	45.0	43.6
-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):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	25.1	23.9	22.8	21.7	20.5	19.4	18.2	17.1	16.0	14.8	13.7
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	0.1	0.1	0.0	0.0	0.4	0.6	0.2	0.0	0.5
67.5°	0.0	0.0	0.8	1.9	2.4	2.3	2.1	2.3	2.7	2.5	2.3
65°	2.8	1.7	1.1	2.2	3.4	4.6	4.8	4.2	4.1	4.8	5.7
62.5°	9.2	9.6	8.3	6.9	6.0	6.7	7.3	7.8	6.8	5.4	7.1
60°	27.5	16.7	24.4	26.1	20.8	18.0	27.0	25.6	13.4	11.5	10.4
57.5°	132.2	110.7	121.5	110.4	75.6	66.0	68.3	65.2	59.0	36.1	15.4
55°	455.8	390.6	306.9	265.1	255.4	195.3	145.6	121.5	110.2	79.5	52.7
52.5°	579.0	538.3	474.9	387.6	340.9	323.5	276.5	221.2	175.7	140.5	100.9
50°	725.9	736.8	671.7	550.9	503.1	451.4	405.8	341.9	284.2	228.0	168.3
47.5°	1184.3	1103.1	1037.9	947.7	776.4	667.0	595.2	490.4	411.4	343.4	269.7
45°	1579.0	1486.2	1422.4	1282.4	1100.4	931.2	818.2	686.9	547.1	456.0	389.2
42.5°	1859.4	1739.2	1634.4	1520.2	1346.3	1155.4	1000.5	870.6	723.6	576.0	487.0
40°	2133.7	1943.2	1839.3	1737.1	1573.2	1359.1	1238.4	1047.6	894.2	730.5	609.0
37.5°	2542.8	2219.0	2182.3	2083.8	1898.4	1675.7	1539.9	1351.7	1067.2	912.8	773.2
35°	3234.3	2900.7	2708.1	2611.6	2371.1	2087.4	1863.8	1688.0	1405.7	1101.8	940.9
32.5°	3996.4	3574.1	3281.8	3144.1	2886.1	2501.0	2225.2	2001.6	1718.2	1374.3	1116.3
30°	4426.6	4041.5	3689.5	3454.0	3203.3	2872.3	2555.7	2240.0	1932.4	1647.8	1306.3
27.5°	4827.0	4346.8	3967.3	3701.6	3466.8	3148.5	2798.3	2460.0	2121.9	1840.7	1536.2
25°	5208.5	4676.4	4262.7	3950.8	3677.8	3425.8	3029.9	2660.2	2307.5	1996.8	1758.6
22.5°	5563.9	5070.0	4593.3	4185.4	3954.2	3683.7	3293.3	2845.5	2501.0	2239.6	1959.3
20°	6149.1	5596.3	4992.7	4639.7	4424.6	4006.9	3565.2	3122.3	2805.9	2506.7	2176.9
17.5°	7113.9	6424.1	5702.4	5324.4	5019.8	4507.4	3944.5	3505.2	3110.2	2776.7	2413.8
15°	8170.1	7282.1	6567.0	6078.8	5596.2	4995.9	4344.5	3869.9	3421.0	3045.8	2631.4
12.5°	8692.2	7846.7	7214.1	6526.1	5903.5	5359.7	4743.3	4219.9	3710.5	3221.5	2766.0
10°	9003.6	8163.5	7448.0	6761.2	6137.1	5613.8	5041.3	4421.3	3855.3	3337.9	2878.3
7.5°	9245.9	8380.2	7618.2	6934.5	6302.1	5750.1	5202.2	4552.2	3971.2	3431.9	2968.4
5°	9413.7	8549.2	7776.5	7085.2	6419.4	5847.9	5321.6	4651.3	4057.5	3503.3	3036.8
2.5°	9586.6	8680.4	7875.6	7182.6	6494.2	5909.9	5393.9	4727.0	4127.7	3556.2	3093.9
0°	9653.9	8756.0	7944.6	7233.6	6536.2	5934.6	5414.9	4776.8	4175.2	3587.2	3131.4
-2.5°	9697.3	8780.7	7971.6	7266.6	6591.7	5973.6	5438.5	4832.7	4190.2	3620.5	3141.9
-5°	9631.5	8751.6	7949.0	7239.3	6592.9	5976.6	5422.1	4841.0	4186.4	3629.4	3133.8
-7.5°	9550.6	8674.5	7862.8	7166.6	6545.3	5935.4	5373.0	4804.7	4172.1	3614.8	3118.3
-10°	9414.1	8551.4	7778.7	7090.9	6461.7	5847.6	5301.6	4736.0	4125.5	3573.5	3082.1
-12.5°	9231.8	8395.9	7632.9	6952.7	6349.1	5757.2	5222.5	4640.9	4046.0	3504.6	3024.8
-15°	8991.1	8192.6	7452.3	6789.3	6205.5	5639.6	5105.2	4535.8	3968.5	3419.6	2946.1
-17.5°	8727.7	7924.3	7195.2	6570.6	6016.9	5480.4	4956.1	4425.4	3879.1	3339.9	2875.3
-20°	8428.6	7639.6	6917.4	6312.0	5789.5	5281.2	4796.4	4301.8	3755.1	3248.3	2801.1



REPORT NUMBER: P627210 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-730-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°	7998.2	7301.3	6639.2	6045.5	5546.1	5080.8	4613.9	4135.7	3594.4	3133.5	2699.9
-25°	7572.8	6924.8	6329.6	5784.0	5301.6	4859.8	4405.6	3931.6	3451.2	2998.6	2576.2
-27.5°	7156.4	6556.3	5963.3	5472.8	5039.6	4608.0	4181.3	3732.9	3290.6	2847.0	2460.0
-30°	6707.0	6145.7	5611.0	5150.6	4740.5	4341.2	3957.4	3538.8	3103.6	2682.6	2334.6
-32.5°	6213.3	5720.7	5249.5	4816.0	4432.7	4079.0	3714.8	3317.9	2887.9	2529.0	2189.4
-35°	5734.3	5279.5	4872.9	4490.5	4142.6	3818.8	3466.3	3068.8	2691.3	2354.5	2025.5
-37.5°	5305.4	4862.5	4486.0	4156.6	3866.0	3559.0	3207.4	2854.7	2499.8	2160.2	1873.1
-40°	4861.8	4448.5	4114.0	3846.3	3568.2	3291.8	2982.3	2654.4	2304.2	1972.5	1723.6
-42.5°	4431.7	4098.2	3768.5	3500.5	3251.2	3024.9	2763.8	2432.8	2110.8	1822.7	1583.6
-45°	4010.6	3707.6	3406.6	3162.2	2954.8	2742.7	2509.3	2208.4	1919.3	1671.9	1446.3
-47.5°	3577.9	3322.8	3071.8	2844.6	2659.2	2453.2	2227.9	1973.0	1736.0	1513.1	1313.4
-50°	3162.5	2955.6	2752.5	2555.7	2368.0	2166.8	1965.6	1759.8	1548.4	1354.1	1172.9
-52.5°	2771.4	2600.0	2428.4	2256.2	2092.1	1916.3	1730.5	1547.6	1361.6	1199.2	1037.3
-55°	2403.5	2256.6	2120.5	1982.3	1844.1	1685.4	1517.9	1353.1	1204.7	1055.5	923.6
-57.5°	2077.8	1948.8	1840.5	1727.7	1610.9	1470.4	1327.1	1187.8	1064.7	941.2	819.0
-60°	1790.0	1677.5	1584.7	1486.4	1382.7	1265.3	1151.6	1041.2	934.8	834.0	728.8
-62.5°	1518.2	1427.5	1343.9	1260.6	1176.3	1087.4	990.1	901.1	818.6	733.7	638.6
-65°	1261.1	1190.0	1119.8	1052.6	983.3	911.8	834.4	764.0	696.6	627.7	545.5
-67.5°	1026.6	971.0	914.1	857.8	803.8	747.1	688.2	629.5	574.6	518.4	451.7
-70°	826.4	784.5	740.3	693.4	648.7	604.3	558.7	511.2	461.0	415.1	369.4
-72.5°	667.0	636.9	603.9	565.9	525.7	487.3	450.4	413.3	375.1	335.9	296.0
-75°	539.1	517.0	491.8	460.1	427.5	394.2	363.0	331.2	296.3	258.3	221.2
-77.5°	426.9	413.3	397.8	372.5	346.9	321.1	293.3	258.5	223.1	188.0	157.4
-80°	320.0	313.6	304.4	282.4	260.4	238.4	215.2	184.9	154.7	126.4	103.7
-82.5°	211.2	206.8	200.9	186.2	171.7	157.4	142.8	121.7	101.6	82.5	65.6
-85°	115.4	111.7	107.6	100.6	93.6	86.7	79.7	68.1	57.2	47.0	37.9
-87.5°	42.2	40.8	39.3	37.8	36.3	34.8	33.2	29.7	26.4	23.2	20.1
-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: P627210 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-730-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°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	12.6	11.4	10.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.4
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.7	1.4
82.5°	0.0	0.0	0.0	0.1	0.8	1.2	1.4	1.2	0.7	0.1	0.4
80°	0.0	0.0	0.0	0.1	1.1	2.5	3.0	3.1	2.4	1.7	0.9
77.5°	0.0	0.0	0.0	0.0	0.5	1.3	2.6	4.2	4.1	3.2	2.3
75°	0.0	0.0	0.0	0.2	0.3	0.1	1.0	2.4	3.7	4.5	3.6
72.5°	0.0	0.0	0.0	0.6	1.2	1.3	0.8	0.8	2.7	3.9	4.5
70°	0.7	0.2	0.0	0.8	1.9	2.8	2.6	2.1	1.8	3.4	4.4
67.5°	2.2	2.3	1.7	1.3	2.1	3.2	4.3	4.1	3.5	3.0	4.2
65°	5.3	4.9	4.5	4.0	3.4	3.4	4.5	5.7	5.3	4.6	4.2
62.5°	8.0	7.9	7.3	6.7	5.9	5.2	4.8	6.3	6.9	6.1	5.2
60°	10.3	10.7	10.2	9.3	8.4	7.5	6.8	7.2	8.0	7.7	6.5
57.5°	14.2	13.8	13.6	12.3	10.9	9.7	9.1	8.9	9.2	9.0	7.9
55°	25.0	17.4	17.5	16.2	14.0	12.0	11.5	11.1	10.6	10.4	9.2
52.5°	63.3	35.1	22.6	20.9	18.1	14.9	13.9	13.2	12.5	11.9	10.5
50°	116.9	75.7	42.9	26.9	22.9	19.5	16.2	15.4	14.5	13.5	11.9
47.5°	187.2	130.1	84.5	42.4	29.6	24.4	20.3	17.5	16.4	15.2	13.1
45°	288.3	191.8	132.9	84.0	39.5	33.7	25.1	19.6	18.3	16.8	14.4
42.5°	401.0	281.3	186.5	126.8	75.3	46.7	30.1	23.8	20.2	18.5	15.8
40°	511.6	388.8	250.5	174.9	113.6	62.6	43.2	28.4	22.1	20.3	17.3
37.5°	634.0	502.5	350.9	226.2	152.7	95.5	59.2	33.2	25.1	22.2	18.9
35°	785.4	628.6	451.4	301.4	202.2	126.0	77.0	42.2	30.9	24.2	20.5
32.5°	936.6	754.5	560.0	388.8	254.0	154.1	100.2	60.2	37.6	26.3	22.2
30°	1088.8	869.8	662.3	469.7	313.5	199.3	125.1	77.7	45.3	28.5	24.0
27.5°	1225.7	978.7	758.0	554.2	383.4	247.1	151.2	94.6	53.8	32.3	25.8
25°	1380.5	1096.3	852.2	635.0	447.2	296.8	178.0	111.2	66.3	38.9	27.6
22.5°	1579.6	1217.2	939.6	708.3	510.5	344.4	212.4	133.2	80.0	45.8	29.4
20°	1777.6	1335.2	1025.1	800.1	579.3	398.0	252.2	155.0	93.0	53.0	31.2
17.5°	1971.8	1486.6	1149.6	893.8	652.8	448.0	289.4	176.4	105.2	60.3	32.9
15°	2146.0	1659.9	1271.9	982.5	724.9	494.3	323.8	197.2	116.7	67.7	35.2
12.5°	2292.3	1809.3	1387.1	1065.5	794.3	536.6	355.2	217.2	127.4	75.9	38.4
10°	2413.1	1935.7	1493.9	1142.2	859.9	574.6	383.6	237.1	139.8	84.6	41.7
7.5°	2509.7	2040.0	1591.1	1211.8	919.5	610.2	414.0	258.2	151.8	92.9	45.1
5°	2582.3	2121.5	1666.2	1261.7	966.8	642.9	442.1	277.5	163.0	100.6	48.5
2.5°	2629.5	2181.4	1721.9	1300.8	1005.3	670.5	466.8	294.8	173.2	107.7	51.7
0°	2657.3	2224.3	1764.0	1330.9	1034.7	692.8	487.7	309.9	182.3	114.0	54.7
-2.5°	2682.2	2252.4	1800.7	1383.3	1054.9	729.4	501.1	323.5	196.7	118.5	60.3
-5°	2690.4	2264.8	1824.8	1423.8	1067.1	759.0	510.5	334.6	209.3	122.1	65.4
-7.5°	2676.5	2257.3	1833.2	1446.7	1072.8	780.0	516.0	343.3	219.6	125.0	69.8
-10°	2645.7	2232.9	1822.1	1439.8	1080.5	786.5	519.2	349.7	227.0	127.1	73.5
-12.5°	2600.0	2196.0	1798.1	1424.5	1079.2	782.4	527.8	354.7	230.9	128.5	76.3
-15°	2540.1	2147.8	1761.5	1402.0	1066.2	772.9	529.9	356.5	230.5	131.2	77.9
-17.5°	2469.6	2089.2	1712.4	1373.2	1040.9	758.8	525.1	354.3	228.2	135.1	79.6
-20°	2399.0	2024.2	1654.2	1339.2	1002.8	740.4	512.9	347.8	224.0	137.7	81.2



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CATALOG NUMBER: GFLD-SA3D-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2316.3	1949.5	1603.9	1291.8	961.5	718.2	492.9	336.7	218.0	138.8	81.9
-25°	2221.2	1862.3	1543.5	1226.5	929.0	693.1	472.3	321.0	210.3	138.4	81.7
-27.5°	2113.8	1769.1	1472.2	1155.1	895.2	658.1	452.7	309.4	203.7	136.4	80.5
-30°	1993.8	1681.4	1387.1	1086.4	853.9	620.2	427.1	296.5	200.7	133.9	78.2
-32.5°	1864.6	1582.6	1295.5	1034.1	807.0	580.8	404.6	281.8	195.7	130.6	78.3
-35°	1743.4	1475.2	1202.1	973.7	757.2	557.6	389.5	265.6	188.7	126.1	78.8
-37.5°	1613.6	1362.5	1128.1	910.7	704.7	530.8	377.2	258.3	179.5	120.3	78.5
-40°	1488.6	1255.6	1042.5	850.6	665.9	500.7	357.9	250.2	170.8	113.2	77.4
-42.5°	1362.3	1155.1	960.6	785.3	629.3	471.6	333.3	237.8	163.7	109.1	75.6
-45°	1245.9	1051.4	873.4	728.3	588.7	434.3	314.3	222.3	155.0	106.2	74.0
-47.5°	1123.6	945.7	793.8	666.0	535.4	393.8	290.2	210.0	144.6	102.4	73.0
-50°	997.4	845.6	719.3	597.5	470.3	360.0	264.4	195.4	140.8	99.4	71.2
-52.5°	886.9	757.7	643.2	527.0	421.2	320.4	244.9	179.7	135.8	96.8	68.7
-55°	791.7	674.1	568.1	469.2	374.4	291.3	222.8	172.2	129.7	93.6	65.6
-57.5°	707.7	596.7	506.6	417.7	335.3	263.3	207.2	163.3	123.2	89.2	62.8
-60°	626.0	534.9	450.6	371.4	298.8	239.2	195.0	153.0	115.5	83.6	59.7
-62.5°	550.4	470.2	396.9	325.3	266.1	219.5	181.1	141.1	106.4	76.7	55.6
-65°	471.2	402.8	340.8	284.7	236.5	196.4	163.0	127.6	94.4	68.3	50.3
-67.5°	388.8	338.6	290.3	243.4	204.1	170.4	142.3	109.6	80.3	58.6	44.2
-70°	323.8	279.6	238.6	201.9	169.8	142.3	116.3	88.6	64.8	50.2	37.7
-72.5°	257.7	221.7	188.2	158.9	136.0	112.7	89.0	67.8	53.7	41.4	30.8
-75°	190.8	166.4	144.6	124.2	103.6	83.2	67.9	53.9	42.3	32.2	26.0
-77.5°	138.5	120.9	104.8	91.9	77.7	64.1	51.3	39.6	32.1	26.7	21.8
-80°	94.1	84.8	75.9	66.9	55.5	44.7	37.0	30.4	25.8	21.5	17.6
-82.5°	59.3	54.3	49.9	45.4	38.7	32.7	27.4	22.9	19.5	16.3	14.3
-85°	35.2	32.5	29.9	27.4	23.7	20.5	18.9	17.5	16.0	14.5	13.0
-87.5°	19.8	19.5	19.2	18.9	18.0	17.1	16.3	15.6	14.3	12.9	11.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	3.4



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.1	8.0	6.9	5.7	4.6	4.6	4.6
87.5°	3.4	3.9	4.2	4.5	4.6	4.6	4.6
85°	2.2	3.1	3.8	4.3	4.6	4.6	4.6
82.5°	1.1	2.4	3.4	4.2	4.6	4.6	4.6
80°	0.2	1.7	3.1	4.0	4.6	4.6	4.6
77.5°	1.4	1.5	2.7	3.9	4.6	4.6	4.6
75°	2.6	2.3	2.5	3.8	4.6	4.6	4.6
72.5°	3.7	3.0	2.9	3.7	4.6	4.6	4.6
70°	4.6	3.7	3.3	3.7	4.6	4.6	4.6
67.5°	4.7	4.3	3.7	3.8	4.6	4.6	4.6
65°	4.9	4.8	4.0	4.0	4.6	4.6	4.6
62.5°	5.1	5.1	4.3	4.1	4.6	4.6	4.6
60°	5.4	5.5	4.6	4.3	4.6	4.6	4.6
57.5°	6.5	5.9	5.0	4.4	4.7	4.6	4.6
55°	7.7	6.4	5.5	4.4	4.7	4.6	4.6
52.5°	8.8	7.0	6.0	4.5	4.8	4.6	4.6
50°	9.9	7.9	6.5	4.6	4.9	4.6	4.6
47.5°	11.0	8.8	7.0	4.7	5.0	4.6	4.6
45°	12.1	9.7	7.5	5.1	5.1	4.6	4.6
42.5°	13.1	10.6	8.1	5.5	5.3	4.6	4.6
40°	14.1	11.4	8.7	6.1	5.5	4.6	4.6
37.5°	15.1	12.3	9.4	6.7	5.6	4.6	4.6
35°	16.0	13.1	10.0	7.3	5.8	4.6	4.6
32.5°	17.1	13.8	10.6	7.8	6.0	4.6	4.6
30°	18.4	14.5	11.2	8.4	6.2	4.6	4.6
27.5°	19.8	15.2	11.9	9.0	6.5	4.6	4.6
25°	21.1	15.9	12.6	9.5	6.7	4.6	4.6
22.5°	22.5	16.6	13.3	10.0	7.0	4.6	4.6
20°	23.8	17.4	14.0	10.5	7.2	4.6	4.6
17.5°	25.1	18.2	14.6	11.0	7.5	4.6	4.6
15°	26.3	19.0	15.2	11.4	7.7	4.6	4.6
12.5°	27.5	19.7	15.8	11.9	8.0	4.6	4.6
10°	28.6	20.4	16.3	12.3	8.2	4.6	4.6
7.5°	29.6	21.1	16.9	12.7	8.4	4.6	4.6
5°	30.5	21.7	17.3	13.0	8.7	4.6	4.6
2.5°	31.2	22.3	17.8	13.4	8.9	4.6	4.6
0°	31.9	22.8	18.2	13.7	9.1	4.6	4.6
-2.5°	33.7	23.3	18.6	13.7	9.1	4.6	4.6
-5°	35.3	23.7	18.9	13.6	9.1	4.6	4.6
-7.5°	36.7	24.1	19.2	13.6	9.0	4.6	4.6
-10°	37.9	24.4	19.4	13.5	9.0	4.6	4.6
-12.5°	38.8	24.7	19.6	13.4	8.9	4.6	4.6
-15°	39.3	25.0	19.7	13.2	8.8	4.6	4.6
-17.5°	39.5	25.2	19.6	13.1	8.7	4.6	4.6
-20°	40.5	25.3	19.5	12.9	8.6	4.6	4.6

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°	43.1	25.4	19.3	12.6	8.4	4.6	4.6
-25°	45.3	27.1	18.9	12.4	8.3	4.6	4.6
-27.5°	46.9	29.2	18.5	12.1	8.1	4.6	4.6
-30°	48.1	31.1	18.0	11.8	7.9	4.6	4.6
-32.5°	48.7	32.6	18.7	11.5	7.7	4.6	4.6
-35°	50.0	33.8	19.2	11.2	7.5	4.6	4.6
-37.5°	51.3	34.5	19.5	10.8	7.2	4.6	4.6
-40°	52.2	34.8	19.6	10.5	7.0	4.6	4.6
-42.5°	52.4	34.8	19.8	10.2	6.7	4.6	4.6
-45°	52.2	34.5	19.9	10.3	6.5	4.6	4.6
-47.5°	51.4	34.0	19.7	10.2	6.2	4.6	4.6
-50°	50.3	33.2	19.4	10.1	5.9	4.6	4.6
-52.5°	48.9	32.2	18.8	9.9	5.6	4.6	4.6
-55°	47.2	30.9	18.0	9.6	5.3	4.6	4.6
-57.5°	45.1	29.2	16.9	9.3	4.9	4.6	4.6
-60°	42.6	27.2	15.7	8.9	4.6	4.6	4.6
-62.5°	39.1	24.9	14.9	8.4	4.6	4.6	4.6
-65°	35.3	22.3	13.9	7.9	4.6	4.6	4.6
-67.5°	31.0	20.0	12.9	7.3	4.6	4.6	4.6
-70°	26.4	18.2	11.7	6.6	4.6	4.6	4.6
-72.5°	23.3	16.2	10.4	6.5	4.6	4.6	4.6
-75°	20.3	14.2	9.1	6.4	4.6	4.6	4.6
-77.5°	17.2	12.0	8.6	6.3	4.6	4.6	4.6
-80°	13.9	10.8	8.3	6.2	4.6	4.6	4.6
-82.5°	12.6	10.1	8.0	6.1	4.6	4.6	4.6
-85°	11.4	9.4	7.6	6.0	4.6	4.6	4.6
-87.5°	10.3	8.7	7.2	5.9	4.6	4.6	4.6
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6

(END OF REPORT)