

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: P627370 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4C-722-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627370 (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-SA4C-722-U-VWR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

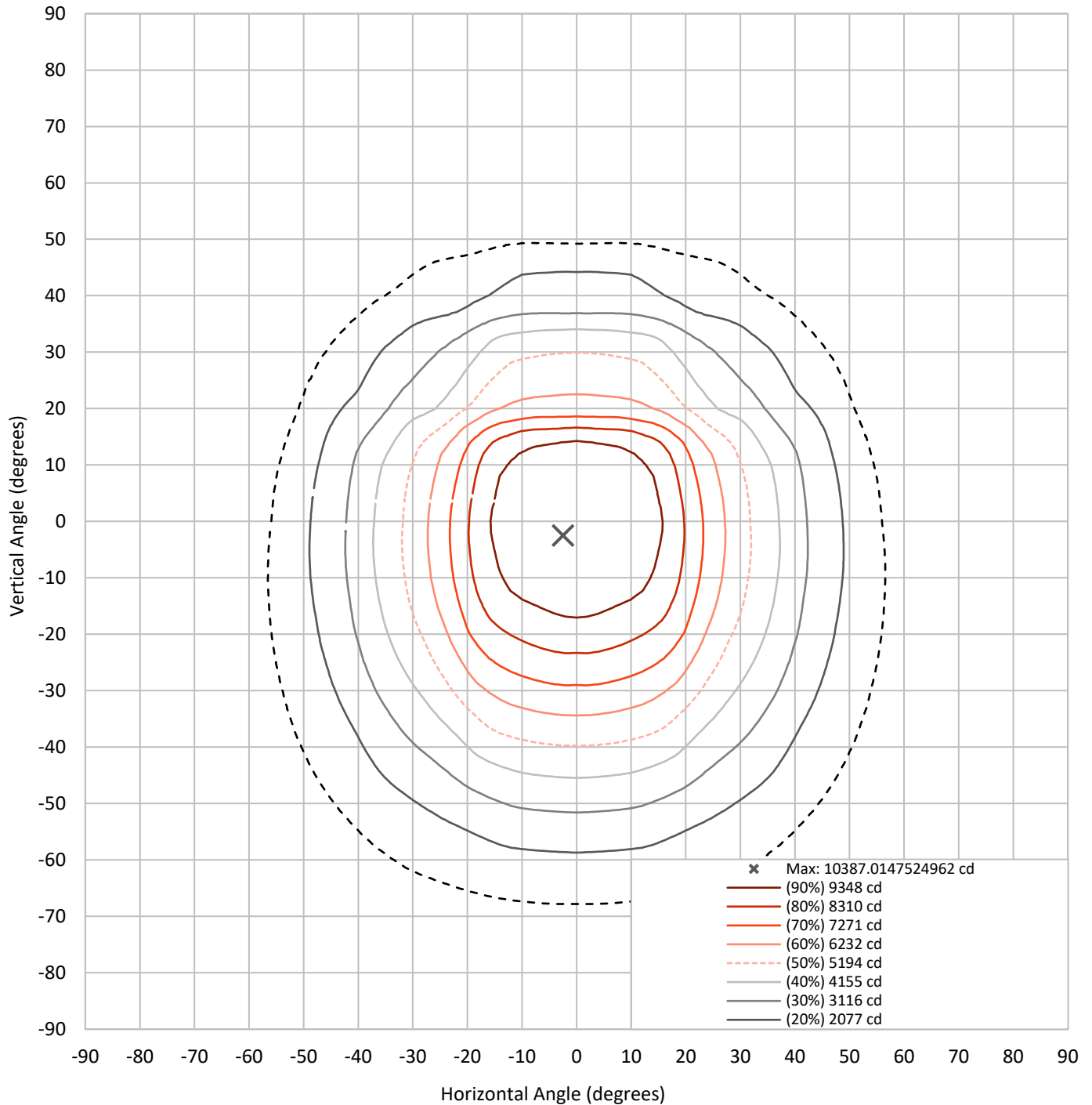
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	13861.8 lumens	Max Intensity:	10387 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	82.4 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' 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:	8020 lumens	Field Lumens:	13154 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	168.2		
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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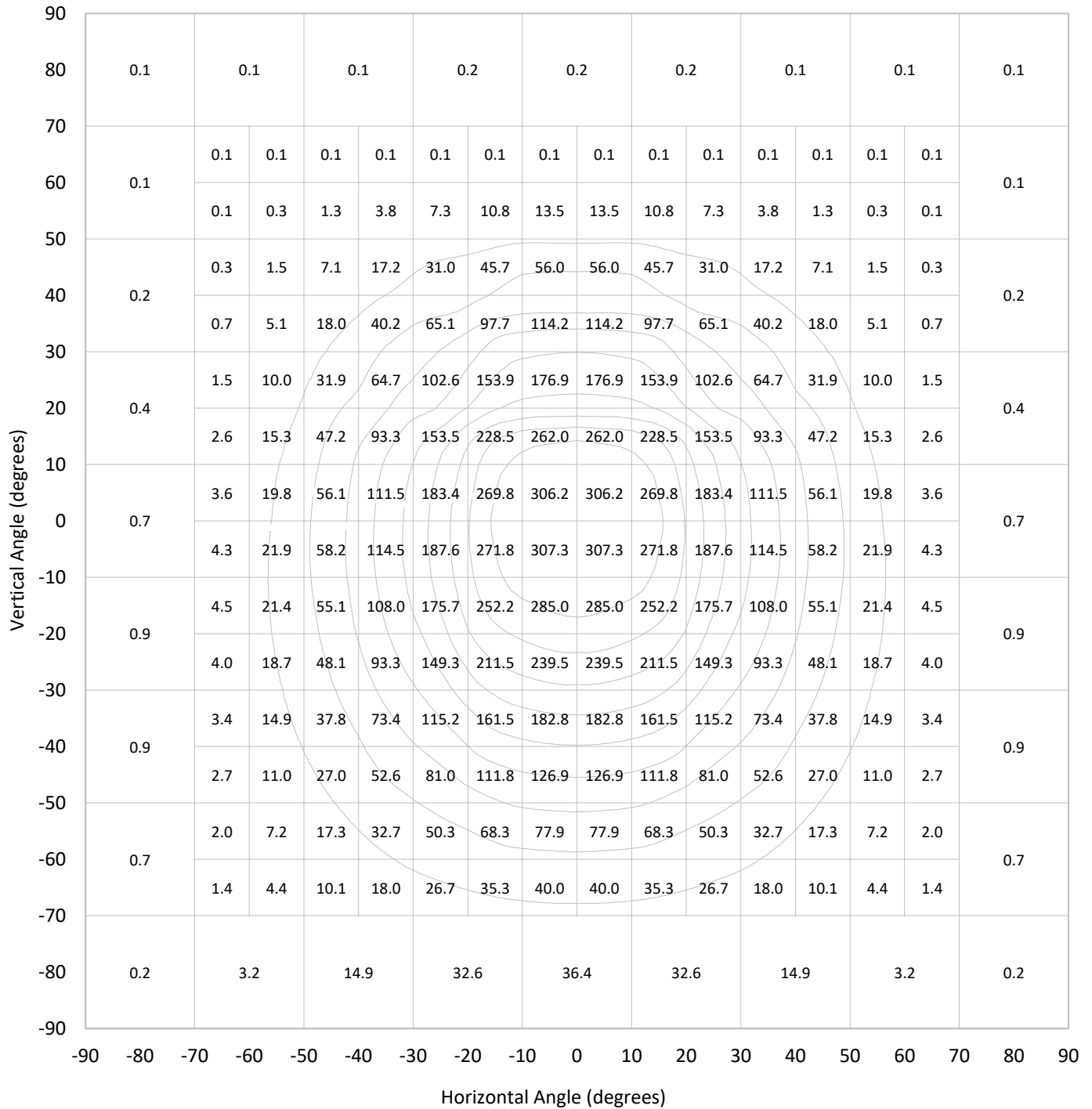
### Iso-Candela Plot





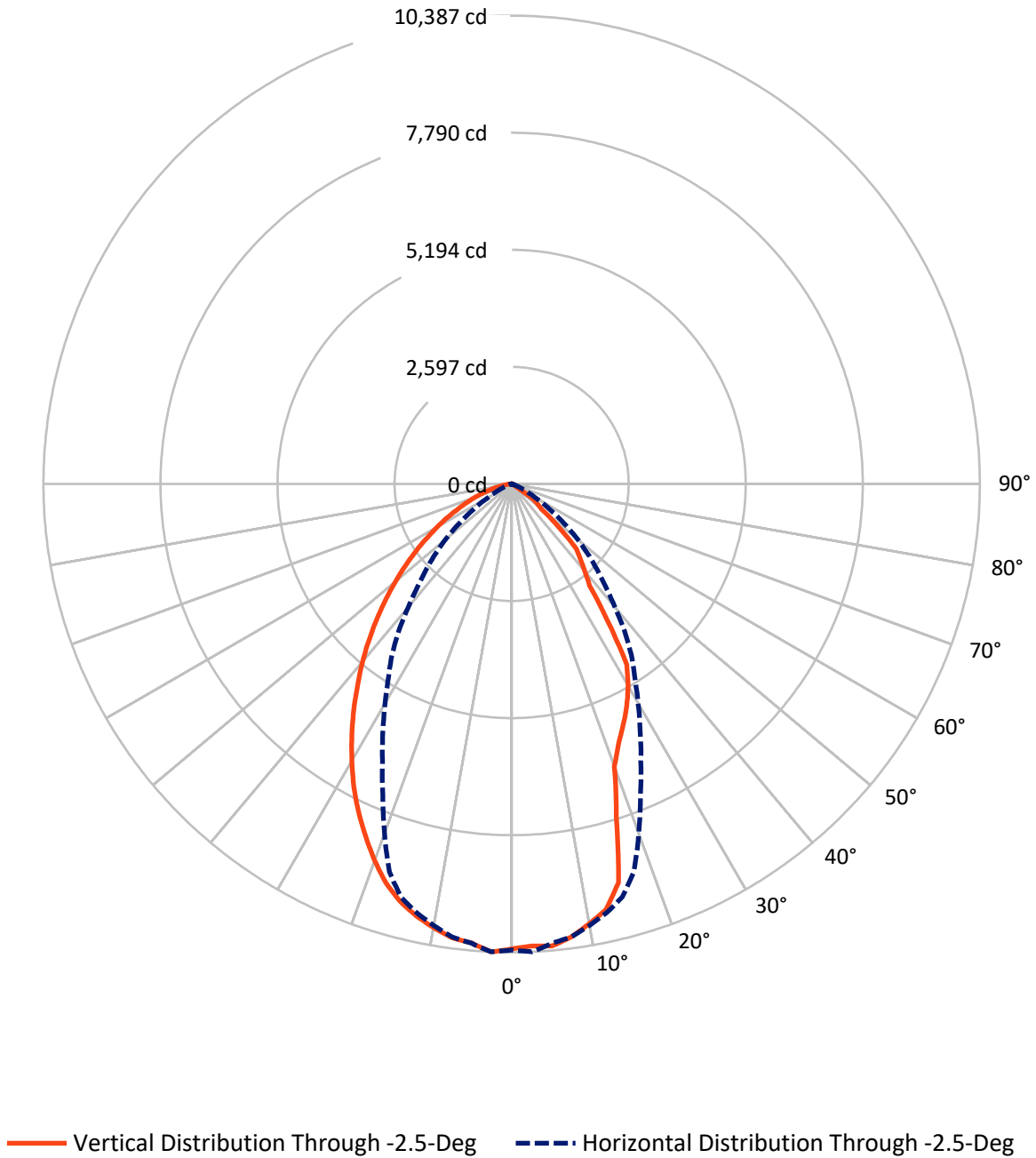
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### Lumen Table



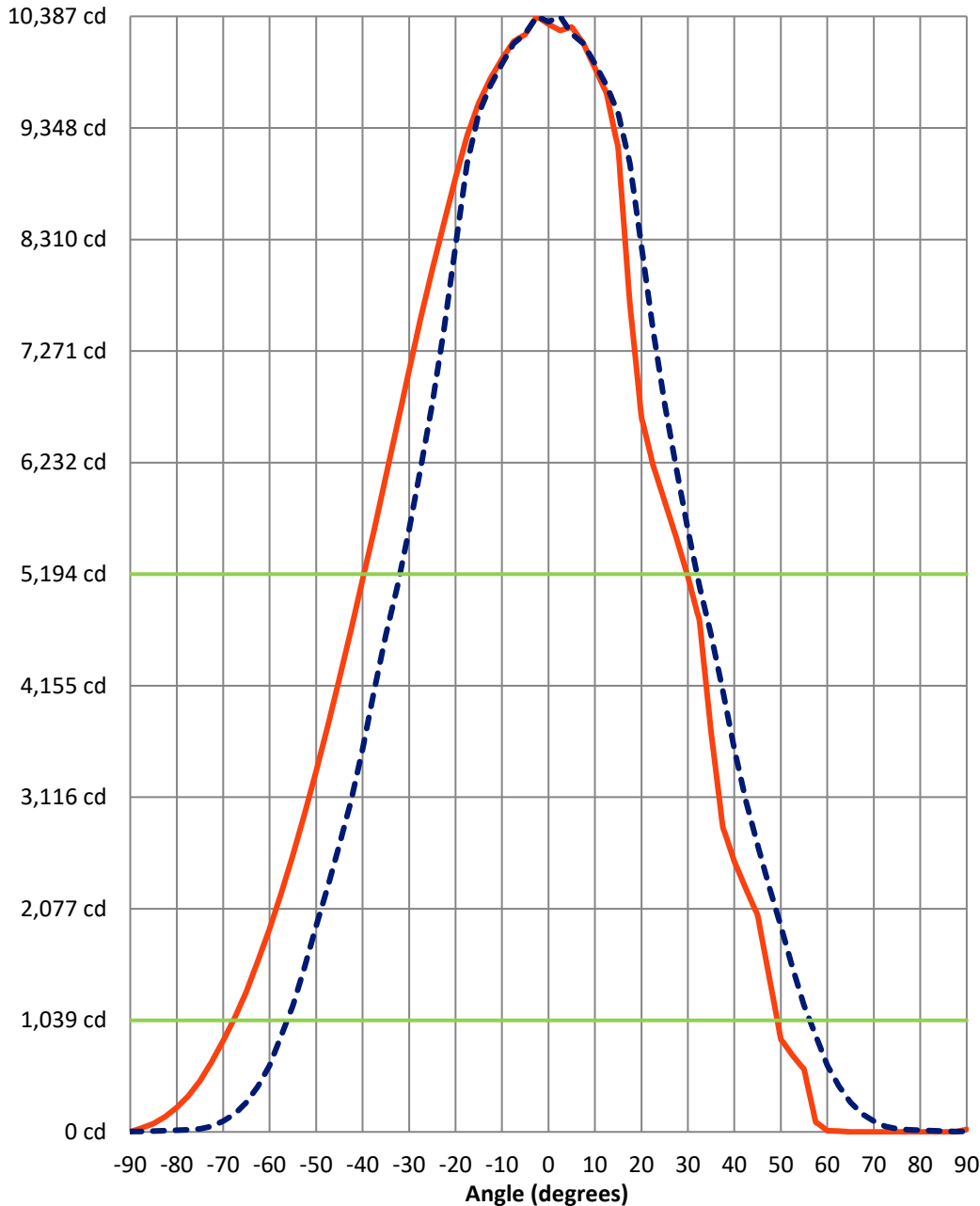
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 8020  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 13154  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 707.8  
 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°	3.9	3.9	3.9	4.9	5.9	6.8	7.8	8.8	9.7	10.7	11.6
87.5°	3.9	3.9	3.9	3.8	3.6	3.3	2.9	2.0	1.3	0.6	0.0
85°	3.9	3.9	3.9	3.6	3.2	2.6	1.9	1.2	0.6	0.2	0.0
82.5°	3.9	3.9	3.9	3.5	2.9	2.0	0.9	0.3	0.1	0.6	1.0
80°	3.9	3.9	3.9	3.4	2.6	1.4	0.2	0.8	1.4	2.0	2.7
77.5°	3.9	3.9	3.9	3.3	2.3	1.3	1.2	1.9	2.7	3.5	3.5
75°	3.9	3.9	3.9	3.2	2.1	1.9	2.2	3.1	3.8	3.2	2.1
72.5°	3.9	3.9	3.9	3.1	2.5	2.5	3.1	3.8	3.3	2.3	0.7
70°	3.9	3.9	3.9	3.1	2.8	3.1	3.9	3.7	2.9	1.5	1.8
67.5°	3.9	3.9	3.9	3.3	3.1	3.6	4.0	3.6	2.5	3.0	3.5
65°	3.9	3.9	3.9	3.4	3.4	4.0	4.2	3.6	3.9	4.5	4.8
62.5°	3.9	3.9	3.9	3.5	3.7	4.3	4.4	4.4	5.2	5.9	5.4
60°	3.9	3.9	3.9	3.6	3.9	4.7	4.6	5.6	6.6	6.8	6.1
57.5°	3.9	3.9	3.9	3.7	4.3	5.1	5.5	6.7	7.7	7.8	7.6
55°	3.9	3.9	4.0	3.8	4.7	5.5	6.5	7.9	8.9	9.0	9.4
52.5°	3.9	3.9	4.1	3.8	5.1	6.0	7.5	9.0	10.1	10.7	11.3
50°	3.9	3.9	4.2	3.9	5.5	6.8	8.4	10.1	11.5	12.3	13.1
47.5°	3.9	3.9	4.3	4.0	6.0	7.5	9.4	11.2	12.9	13.9	14.9
45°	3.9	3.9	4.4	4.3	6.4	8.3	10.3	12.2	14.3	15.6	16.7
42.5°	3.9	3.9	4.5	4.7	6.9	9.0	11.1	13.4	15.7	17.2	20.3
40°	3.9	3.9	4.6	5.2	7.4	9.7	12.0	14.7	17.3	18.8	24.2
37.5°	3.9	3.9	4.8	5.7	8.0	10.4	12.8	16.1	18.9	21.4	28.2
35°	3.9	3.9	5.0	6.2	8.5	11.1	13.6	17.5	20.6	26.2	35.8
32.5°	3.9	3.9	5.1	6.7	9.0	11.7	14.5	19.0	22.4	32.0	51.1
30°	3.9	3.9	5.3	7.2	9.5	12.3	15.7	20.4	24.2	38.5	66.0
27.5°	3.9	3.9	5.5	7.6	10.1	12.9	16.9	22.0	27.4	45.7	80.4
25°	3.9	3.9	5.7	8.1	10.7	13.5	18.0	23.5	33.0	56.4	94.6
22.5°	3.9	3.9	5.9	8.5	11.3	14.1	19.2	25.0	39.0	68.0	113.3
20°	3.9	3.9	6.2	8.9	11.9	14.8	20.3	26.5	45.1	79.1	131.8
17.5°	3.9	3.9	6.4	9.3	12.4	15.5	21.4	28.0	51.3	89.5	150.0
15°	3.9	3.9	6.6	9.7	12.9	16.2	22.5	30.0	57.6	99.3	167.8
12.5°	3.9	3.9	6.8	10.1	13.4	16.8	23.4	32.6	64.6	108.4	184.7
10°	3.9	3.9	7.0	10.4	13.9	17.4	24.4	35.5	72.0	118.9	201.8
7.5°	3.9	3.9	7.2	10.8	14.3	17.9	25.2	38.3	79.0	129.2	219.7
5°	3.9	3.9	7.4	11.1	14.8	18.5	25.9	41.2	85.6	138.7	236.1
2.5°	3.9	3.9	7.6	11.3	15.1	18.9	26.5	43.9	91.6	147.4	250.9
0°	3.9	3.9	7.8	11.6	15.5	19.4	27.1	46.5	96.9	155.1	263.7
-2.5°	3.9	3.9	7.8	11.6	15.5	19.4	27.1	46.5	96.9	155.1	263.7
-5°	3.9	3.9	7.8	11.6	16.1	20.2	30.0	55.6	103.9	178.1	284.7
-7.5°	3.9	3.9	7.7	11.5	16.4	20.5	31.2	59.4	106.3	186.8	292.0
-10°	3.9	3.9	7.7	11.4	16.5	20.8	32.2	62.5	108.1	193.1	297.4
-12.5°	3.9	3.9	7.6	11.3	16.7	21.1	33.0	64.8	109.3	196.5	301.7
-15°	3.9	3.9	7.5	11.2	16.7	21.3	33.5	66.2	111.6	196.1	303.2
-17.5°	3.9	3.9	7.4	11.1	16.7	21.5	33.7	67.7	114.9	194.1	301.4
-20°	3.9	3.9	7.3	10.9	16.6	21.6	34.5	69.1	117.1	190.6	295.8

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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°	3.9	3.9	7.2	10.7	16.4	21.7	36.7	69.7	118.0	185.5	286.4
-25°	3.9	3.9	7.1	10.5	16.1	23.1	38.6	69.5	117.7	178.9	273.0
-27.5°	3.9	3.9	6.9	10.3	15.7	24.9	40.0	68.4	116.0	173.3	263.2
-30°	3.9	3.9	6.8	10.1	15.3	26.5	40.9	66.5	113.9	170.8	252.2
-32.5°	3.9	3.9	6.6	9.8	15.9	27.7	41.4	66.6	111.1	166.5	239.7
-35°	3.9	3.9	6.4	9.5	16.3	28.7	42.6	67.0	107.3	160.5	225.9
-37.5°	3.9	3.9	6.2	9.2	16.6	29.4	43.7	66.7	102.3	152.7	219.8
-40°	3.9	3.9	6.0	8.9	16.7	29.6	44.4	65.8	96.3	145.3	212.9
-42.5°	3.9	3.9	5.7	8.7	16.8	29.6	44.6	64.3	92.8	139.3	202.3
-45°	3.9	3.9	5.5	8.8	16.9	29.4	44.4	62.9	90.3	131.9	189.1
-47.5°	3.9	3.9	5.3	8.8	16.8	29.0	43.7	62.0	87.0	122.9	178.6
-50°	3.9	3.9	5.0	8.6	16.5	28.3	42.8	60.5	84.5	119.7	166.1
-52.5°	3.9	3.9	4.7	8.5	16.0	27.4	41.6	58.4	82.3	115.5	152.8
-55°	3.9	3.9	4.5	8.2	15.3	26.3	40.1	55.8	79.6	110.3	146.4
-57.5°	3.9	3.9	4.2	7.9	14.5	24.9	38.4	53.4	75.9	104.8	138.9
-60°	3.9	3.9	3.9	7.6	13.5	23.2	36.3	50.8	71.2	98.2	130.2
-62.5°	3.9	3.9	3.9	7.2	12.7	21.2	33.3	47.4	65.2	90.5	120.0
-65°	3.9	3.9	3.9	6.7	11.9	19.0	30.1	42.9	58.1	80.3	108.5
-67.5°	3.9	3.9	3.9	6.2	11.0	17.1	26.4	37.7	49.9	68.4	93.2
-70°	3.9	3.9	3.9	5.6	10.0	15.5	22.5	32.1	42.7	55.1	75.3
-72.5°	3.9	3.9	3.9	5.5	8.9	13.8	19.9	26.2	35.2	45.7	57.7
-75°	3.9	3.9	3.9	5.4	7.7	12.0	17.3	22.1	27.4	36.0	45.8
-77.5°	3.9	3.9	3.9	5.4	7.3	10.2	14.6	18.6	22.8	27.3	33.6
-80°	3.9	3.9	3.9	5.3	7.1	9.1	11.8	15.0	18.3	22.0	25.9
-82.5°	3.9	3.9	3.9	5.2	6.8	8.6	10.7	12.1	13.8	16.6	19.5
-85°	3.9	3.9	3.9	5.1	6.5	8.0	9.7	11.0	12.3	13.6	14.9
-87.5°	3.9	3.9	3.9	5.0	6.2	7.4	8.8	9.9	11.0	12.1	13.2
-90°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.9	1.9	1.0	0.0





REPORT NUMBER: P627370 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-722-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°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	12.6	13.6	14.5
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°	1.1	1.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.6	2.1	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.2	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.8	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.6	1.1	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2.2	2.4	1.6	0.6	0.0	0.2	0.6	0.4	0.0	0.2	0.5
67.5°	3.6	2.7	1.8	1.1	1.5	2.0	1.8	2.0	2.1	2.3	2.0
65°	3.8	2.9	2.9	3.4	3.8	4.2	4.5	4.8	4.1	3.5	3.6
62.5°	4.1	4.4	5.1	5.7	6.3	6.8	6.8	6.0	4.6	5.8	6.6
60°	5.8	6.4	7.2	7.9	8.7	9.1	8.7	8.8	9.8	11.3	21.8
57.5°	7.8	8.3	9.3	10.5	11.5	11.7	12.1	13.1	30.7	50.2	55.4
55°	9.8	10.2	11.8	13.8	14.9	14.8	21.3	44.8	67.7	93.8	103.4
52.5°	11.8	12.6	15.4	17.7	19.2	29.9	53.9	85.9	119.6	149.5	188.2
50°	13.8	16.6	19.5	22.9	36.5	64.4	99.5	143.1	193.9	241.8	290.8
47.5°	17.2	20.8	25.2	36.1	71.9	110.7	159.2	229.4	292.1	350.0	417.2
45°	21.3	28.7	33.5	71.4	113.1	163.1	245.2	331.1	388.0	465.4	584.3
42.5°	25.5	39.7	64.1	107.9	158.7	239.3	341.2	414.3	490.0	615.6	740.6
40°	36.7	53.2	96.7	148.8	213.1	330.8	435.3	518.1	621.4	760.6	891.1
37.5°	50.3	81.2	129.9	192.5	298.6	427.5	539.4	657.8	776.5	907.7	1149.8
35°	65.5	107.2	172.0	256.4	384.1	534.8	668.2	800.4	937.2	1195.8	1436.0
32.5°	85.2	131.1	216.0	330.7	476.4	641.9	796.8	949.6	1169.1	1461.7	1702.6
30°	106.4	169.6	266.7	399.6	563.4	740.0	926.2	1111.3	1401.8	1643.8	1905.5
27.5°	128.6	210.2	326.1	471.4	644.9	832.5	1042.7	1306.8	1565.9	1805.0	2092.6
25°	151.4	252.5	380.4	540.2	725.0	932.6	1174.3	1496.0	1698.7	1963.0	2262.9
22.5°	180.7	292.9	434.2	602.5	799.3	1035.4	1343.7	1666.7	1905.2	2127.6	2420.5
20°	214.5	338.5	492.7	680.6	872.0	1135.8	1512.1	1851.8	2132.4	2387.0	2656.1
17.5°	246.2	381.1	555.3	760.4	977.9	1264.6	1677.4	2053.3	2362.1	2645.8	2981.8
15°	275.4	420.5	616.7	835.8	1082.0	1412.0	1825.5	2238.4	2591.0	2910.2	3292.0
12.5°	302.2	456.5	675.7	906.4	1180.0	1539.1	1950.0	2353.0	2740.5	3156.4	3589.8
10°	326.2	488.8	731.5	971.7	1270.8	1646.6	2052.8	2448.5	2839.5	3279.6	3761.1
7.5°	352.1	519.1	782.2	1030.9	1353.5	1735.4	2134.9	2525.1	2919.4	3378.2	3872.5
5°	376.1	547.0	822.4	1073.4	1417.4	1804.7	2196.7	2583.3	2980.1	3451.6	3956.8
2.5°	397.1	570.4	855.2	1106.6	1464.8	1855.7	2236.8	2631.9	3025.2	3511.3	4021.2
0°	414.9	589.4	880.2	1132.2	1500.6	1892.2	2260.5	2663.8	3051.5	3551.7	4063.5
-2.5°	426.3	620.5	897.4	1176.8	1531.9	1916.1	2281.7	2672.7	3079.9	3564.5	4111.0
-5°	434.3	645.7	907.7	1211.2	1552.3	1926.6	2288.7	2665.8	3087.4	3561.2	4118.0
-7.5°	439.0	663.5	912.6	1230.7	1559.5	1920.2	2276.9	2652.7	3075.0	3549.0	4087.2
-10°	441.7	669.1	919.1	1224.8	1550.0	1899.5	2250.6	2621.9	3039.9	3509.4	4028.7
-12.5°	448.9	665.5	918.0	1211.8	1529.6	1868.1	2211.7	2573.1	2981.3	3441.8	3947.9
-15°	450.8	657.5	907.0	1192.6	1498.5	1827.0	2160.8	2506.2	2909.0	3375.8	3858.4
-17.5°	446.7	645.5	885.5	1168.1	1456.7	1777.2	2100.8	2446.0	2841.2	3299.9	3764.5
-20°	436.3	629.8	853.0	1139.2	1407.2	1721.9	2040.8	2382.8	2763.3	3194.4	3659.4



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CATALOG NUMBER: GFLD-SA4C-722-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°	419.3	611.0	817.9	1098.8	1364.4	1658.4	1970.4	2296.7	2665.6	3057.7	3518.1
-25°	401.8	589.6	790.3	1043.4	1312.9	1584.2	1889.5	2191.5	2550.9	2935.9	3344.5
-27.5°	385.1	559.8	761.6	982.6	1252.4	1505.0	1798.1	2092.6	2421.8	2799.2	3175.5
-30°	363.4	527.6	726.4	924.2	1179.9	1430.3	1696.1	1986.0	2282.0	2640.1	3010.3
-32.5°	344.1	494.1	686.5	879.7	1102.1	1346.3	1586.2	1862.4	2151.4	2456.6	2822.4
-35°	331.3	474.3	644.1	828.3	1022.6	1254.9	1483.1	1723.1	2002.9	2289.4	2610.6
-37.5°	320.9	451.6	599.5	774.7	959.7	1159.1	1372.6	1593.5	1837.6	2126.5	2428.4
-40°	304.5	425.9	566.5	723.6	886.8	1068.1	1266.4	1466.3	1677.9	1960.1	2258.1
-42.5°	283.5	401.1	535.3	668.0	817.2	982.7	1158.9	1347.2	1550.6	1795.7	2069.5
-45°	267.4	369.4	500.7	619.6	743.0	894.4	1059.9	1230.4	1422.3	1632.7	1878.7
-47.5°	246.9	335.0	455.5	566.5	675.3	804.5	955.8	1117.3	1287.2	1476.8	1678.4
-50°	224.9	306.2	400.1	508.2	611.9	719.3	848.4	997.7	1151.9	1317.2	1497.0
-52.5°	208.3	272.5	358.3	448.3	547.1	644.6	754.5	882.5	1020.2	1158.3	1316.5
-55°	189.4	247.8	318.4	399.1	483.3	573.5	673.6	785.7	897.9	1024.8	1151.1
-57.5°	176.2	224.0	285.2	355.3	430.9	507.5	602.0	696.8	800.7	905.7	1010.5
-60°	165.9	203.4	254.2	315.9	383.3	454.9	532.4	620.0	709.5	795.2	885.7
-62.5°	154.1	186.7	226.4	276.7	337.6	399.9	468.2	543.2	624.1	696.3	766.5
-65°	138.7	167.1	201.2	242.2	290.0	342.6	400.8	464.0	534.0	592.5	649.9
-67.5°	121.1	145.0	173.6	207.1	246.9	288.1	330.7	384.2	441.0	488.8	535.5
-70°	98.9	121.1	144.4	171.8	203.0	237.9	275.4	314.2	353.1	392.1	434.9
-72.5°	75.7	95.9	115.7	135.2	160.1	188.6	219.2	251.8	285.7	319.1	351.6
-75°	57.7	70.8	88.1	105.7	123.0	141.6	162.3	188.2	219.7	252.1	281.7
-77.5°	43.6	54.5	66.1	78.2	89.1	102.8	117.7	133.8	159.9	189.8	220.0
-80°	31.4	38.0	47.2	56.9	64.6	72.1	80.0	88.1	107.5	131.6	157.3
-82.5°	23.3	27.8	32.9	38.6	42.4	46.2	50.4	55.8	70.1	86.4	103.6
-85°	16.1	17.4	20.2	23.3	25.5	27.7	29.9	32.2	39.9	48.6	57.9
-87.5°	13.8	14.5	15.3	16.1	16.3	16.6	16.9	17.1	19.7	22.4	25.3
-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: P627370 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	15.5	16.5	17.5	18.4	19.4	20.4	21.4	22.3	23.3	23.3	23.3
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°	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1.8	2.0	2.0	1.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0
65°	4.1	3.9	2.9	1.9	0.9	1.5	2.4	2.8	2.9	2.5	2.0
62.5°	6.2	5.7	5.1	5.9	7.1	8.2	7.8	7.4	6.9	6.6	6.8
60°	23.0	15.3	17.7	22.2	20.7	14.2	23.3	26.4	22.5	15.4	14.9
57.5°	58.1	56.1	64.2	93.9	103.3	94.1	112.5	136.6	135.8	117.0	116.4
55°	123.8	166.1	217.2	225.5	261.0	332.3	387.7	363.4	363.2	381.5	440.4
52.5°	235.2	275.1	290.0	329.7	404.0	457.9	492.5	528.4	567.7	607.8	648.4
50°	345.2	384.0	428.0	468.6	571.4	626.8	617.6	691.8	786.9	846.2	876.7
47.5°	506.3	567.4	660.4	806.2	882.9	938.4	1007.4	1091.5	1200.5	1348.2	1462.0
45°	696.0	792.1	936.0	1090.9	1210.0	1264.2	1343.2	1473.5	1647.2	1816.3	1939.8
42.5°	851.1	982.9	1145.3	1293.2	1390.4	1479.5	1581.7	1691.6	1890.5	2071.1	2213.9
40°	1053.5	1156.2	1338.3	1477.7	1564.7	1653.0	1815.0	1979.5	2166.6	2334.9	2451.8
37.5°	1309.9	1425.4	1614.9	1772.6	1856.4	1887.6	2163.1	2392.1	2544.1	2758.9	2829.2
35°	1585.4	1775.6	2017.0	2221.6	2303.7	2467.5	2751.3	3070.8	3416.9	3544.2	3652.8
32.5°	1892.8	2127.5	2455.1	2674.6	2791.7	3040.4	3399.6	3740.6	4193.2	4438.8	4512.3
30°	2174.1	2443.3	2724.9	2938.2	3138.5	3438.0	3765.6	4186.1	4604.5	4918.6	5016.2
27.5°	2380.5	2678.4	2949.1	3148.8	3374.9	3697.8	4106.2	4532.0	4942.8	5263.2	5377.1
25°	2577.4	2914.2	3128.5	3360.8	3626.2	3978.1	4430.7	4903.8	5308.4	5579.3	5718.9
22.5°	2801.5	3133.6	3363.6	3560.4	3907.4	4312.9	4733.0	5267.6	5696.3	5912.4	6063.8
20°	3032.8	3408.5	3763.9	3946.9	4247.2	4760.6	5230.9	5735.6	6149.6	6374.8	6534.2
17.5°	3355.5	3834.3	4270.1	4529.3	4850.9	5464.7	6051.6	6562.1	7138.0	7341.4	7536.3
15°	3695.8	4249.9	4760.5	5171.1	5586.4	6194.6	6950.1	7566.2	8223.3	8516.7	8848.4
12.5°	4035.0	4559.3	5021.9	5551.6	6136.9	6674.9	7394.2	8161.3	8757.6	9131.9	9355.2
10°	4288.5	4775.4	5220.6	5751.6	6335.8	6944.5	7659.2	8445.6	9069.7	9389.1	9571.4
7.5°	4425.3	4891.4	5361.0	5899.1	6480.7	7128.9	7865.3	8645.5	9283.7	9593.1	9773.1
5°	4527.0	4974.6	5460.9	6027.2	6615.3	7272.6	8008.0	8778.9	9360.8	9689.6	9917.3
2.5°	4588.5	5027.4	5524.5	6110.0	6699.6	7384.1	8155.1	8954.1	9463.3	9727.9	9937.2
0°	4606.3	5048.4	5560.2	6153.4	6758.3	7448.5	8212.3	9003.3	9519.0	9774.9	9988.2
-2.5°	4626.4	5081.5	5607.4	6181.5	6781.3	7469.5	8249.2	9020.0	9483.9	9742.1	9945.0
-5°	4612.4	5084.1	5608.3	6158.3	6762.0	7444.7	8193.2	8913.9	9399.1	9678.3	9880.1
-7.5°	4570.7	5049.1	5567.9	6096.4	6688.6	7379.1	8124.5	8818.4	9310.0	9604.4	9825.1
-10°	4509.9	4974.4	5496.8	6032.1	6617.2	7274.5	8008.3	8698.1	9168.6	9481.2	9738.5
-12.5°	4442.6	4897.5	5401.0	5914.5	6493.1	7142.3	7853.3	8506.3	8974.0	9315.0	9498.8
-15°	4342.9	4797.4	5278.8	5775.5	6339.5	6969.3	7648.5	8275.0	8734.3	9011.7	9214.8
-17.5°	4216.1	4662.1	5118.4	5589.5	6120.8	6741.0	7424.4	8042.2	8416.6	8664.4	8864.1
-20°	4080.2	4492.6	4925.0	5369.4	5884.5	6498.9	7170.0	7708.9	8061.8	8299.9	8488.4



REPORT NUMBER: P627370 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-722-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°	3924.9	4322.1	4717.9	5142.8	5647.8	6211.1	6803.9	7324.7	7704.1	7920.9	8095.2
-25°	3747.7	4134.1	4510.0	4920.3	5384.5	5890.8	6442.0	6953.8	7293.6	7523.9	7696.7
-27.5°	3556.9	3919.9	4287.0	4655.6	5072.9	5577.3	6087.8	6563.2	6853.3	7085.5	7259.3
-30°	3366.5	3693.0	4032.6	4381.5	4773.1	5228.0	5705.5	6105.3	6411.2	6636.8	6798.1
-32.5°	3160.1	3469.9	3770.8	4096.9	4465.6	4866.5	5285.6	5665.9	5992.7	6199.3	6335.3
-35°	2948.6	3248.6	3524.0	3820.0	4145.3	4491.2	4878.0	5253.1	5575.9	5739.3	5871.9
-37.5°	2728.5	3027.5	3288.6	3535.9	3816.1	4136.5	4513.2	4871.1	5149.9	5290.5	5409.9
-40°	2537.0	2800.3	3035.3	3271.9	3499.7	3784.2	4135.8	4482.3	4706.1	4843.0	4953.9
-42.5°	2351.1	2573.2	2765.7	2977.8	3205.7	3486.2	3769.9	4060.4	4240.3	4392.3	4509.2
-45°	2134.6	2333.2	2513.7	2690.1	2898.0	3154.0	3411.7	3644.4	3812.8	3959.8	4073.6
-47.5°	1895.2	2086.9	2262.1	2419.9	2613.1	2826.7	3043.6	3237.2	3403.6	3548.8	3650.3
-50°	1672.1	1843.3	2014.4	2174.0	2341.5	2514.3	2690.3	2860.3	3018.1	3159.2	3245.6
-52.5°	1472.1	1630.1	1779.7	1919.3	2065.8	2211.8	2357.5	2513.2	2658.5	2792.0	2861.0
-55°	1291.3	1433.8	1568.7	1686.3	1803.8	1919.6	2044.6	2188.3	2322.0	2445.7	2495.2
-57.5°	1129.0	1250.9	1370.3	1469.7	1565.7	1657.8	1767.5	1888.8	2005.9	2111.9	2152.4
-60°	979.6	1076.4	1176.2	1264.5	1348.1	1427.1	1522.7	1620.4	1715.4	1795.3	1829.8
-62.5°	842.2	925.0	1000.7	1072.4	1143.2	1214.4	1291.5	1369.0	1445.7	1507.2	1538.4
-65°	709.8	775.7	836.5	895.5	952.7	1012.4	1072.8	1131.7	1188.5	1232.5	1259.5
-67.5°	585.5	635.6	683.8	729.7	777.6	826.0	873.3	918.4	961.0	995.0	1020.9
-70°	475.3	514.0	551.8	589.8	629.8	667.4	703.0	736.7	768.5	793.0	812.9
-72.5°	383.1	414.6	447.2	481.4	513.7	541.8	567.4	592.1	615.7	629.5	639.9
-75°	308.8	335.3	363.7	391.4	418.4	439.8	458.6	476.8	494.3	495.2	491.7
-77.5°	249.5	273.2	295.1	316.9	338.4	351.6	363.1	375.0	386.9	380.0	369.0
-80°	183.2	202.9	221.5	240.2	258.9	266.8	272.2	276.9	280.9	271.8	260.6
-82.5°	121.6	134.0	146.1	158.4	170.9	175.9	179.6	182.7	185.2	177.0	167.5
-85°	67.8	73.8	79.6	85.6	91.5	95.0	98.2	101.1	103.8	98.9	93.4
-87.5°	28.2	29.5	30.9	32.2	33.4	34.7	35.9	37.1	38.3	38.4	38.6
-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: P627370 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-722-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°	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	22.3
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°	1.2	0.2	0.0	0.0	0.0	0.2	1.2	2.0	2.5	2.9	2.8
62.5°	7.1	7.5	7.7	7.8	7.7	7.5	7.1	6.8	6.6	6.9	7.4
60°	13.7	12.0	11.6	11.6	11.6	12.0	13.7	14.9	15.4	22.5	26.4
57.5°	107.5	92.0	94.3	104.7	94.3	92.0	107.5	116.4	117.0	135.8	136.6
55°	502.3	560.7	581.4	570.0	581.4	560.7	502.3	440.4	381.5	363.2	363.4
52.5°	680.6	704.5	713.7	713.4	713.7	704.5	680.6	648.4	607.8	567.7	528.4
50°	886.0	877.9	865.4	853.0	865.4	877.9	886.0	876.7	846.2	786.9	691.8
47.5°	1478.6	1453.0	1442.2	1461.8	1442.2	1453.0	1478.6	1462.0	1348.2	1200.5	1091.5
45°	1964.9	1994.9	2017.3	2016.2	2017.3	1994.9	1964.9	1939.8	1816.3	1647.2	1473.5
42.5°	2241.9	2257.9	2262.5	2256.6	2262.5	2257.9	2241.9	2213.9	2071.1	1890.5	1691.6
40°	2488.6	2507.7	2518.4	2528.1	2518.4	2507.7	2488.6	2451.8	2334.9	2166.6	1979.5
37.5°	2852.3	2859.3	2844.1	2834.4	2844.1	2859.3	2852.3	2829.2	2758.9	2544.1	2392.1
35°	3744.3	3762.6	3720.3	3765.0	3720.3	3762.6	3744.3	3652.8	3544.2	3416.9	3070.8
32.5°	4599.7	4685.3	4754.6	4811.8	4754.6	4685.3	4599.7	4512.3	4438.8	4193.2	3740.6
30°	5084.2	5139.5	5169.2	5176.3	5169.2	5139.5	5084.2	5016.2	4918.6	4604.5	4186.1
27.5°	5440.0	5497.9	5534.0	5560.2	5534.0	5497.9	5440.0	5377.1	5263.2	4942.8	4532.0
25°	5782.9	5835.9	5871.9	5885.9	5871.9	5835.9	5782.9	5718.9	5579.3	5308.4	4903.8
22.5°	6138.7	6175.5	6210.1	6227.1	6210.1	6175.5	6138.7	6063.8	5912.4	5696.3	5267.6
20°	6648.7	6628.7	6660.3	6649.7	6660.3	6628.7	6648.7	6534.2	6374.8	6149.6	5735.6
17.5°	7688.2	7699.0	7720.1	7754.8	7720.1	7699.0	7688.2	7536.3	7341.4	7138.0	6562.1
15°	8995.4	9021.8	9155.5	9274.7	9155.5	9021.8	8995.4	8848.4	8516.7	8223.3	7566.2
12.5°	9562.5	9653.5	9667.7	9701.2	9667.7	9653.5	9562.5	9355.2	9131.9	8757.6	8161.3
10°	9751.7	9909.4	9906.0	9945.5	9906.0	9909.4	9751.7	9571.4	9389.1	9069.7	8445.6
7.5°	9895.2	10064.6	10136.1	10166.5	10136.1	10064.6	9895.2	9773.1	9593.1	9283.7	8645.5
5°	10070.6	10163.6	10287.1	10251.8	10287.1	10163.6	10070.6	9917.3	9689.6	9360.8	8778.9
2.5°	10144.1	10289.9	10256.2	10290.6	10256.2	10289.9	10144.1	9937.2	9727.9	9463.3	8954.1
0°	10193.7	10298.4	10313.9	10348.8	10313.9	10298.4	10193.7	9988.2	9774.9	9519.0	9003.3
-2.5°	10133.5	10225.7	10387.0	10337.1	10387.0	10225.7	10133.5	9945.0	9742.1	9483.9	9020.0
-5°	10080.8	10307.6	10219.5	10329.4	10219.5	10307.6	10080.8	9880.1	9678.3	9399.1	8913.9
-7.5°	10053.6	10094.2	10152.6	10236.3	10152.6	10094.2	10053.6	9825.1	9604.4	9310.0	8818.4
-10°	9843.1	9884.6	9992.0	10050.2	9992.0	9884.6	9843.1	9738.5	9481.2	9168.6	8698.1
-12.5°	9614.9	9695.2	9808.0	9844.7	9808.0	9695.2	9614.9	9498.8	9315.0	8974.0	8506.3
-15°	9352.0	9471.2	9581.2	9604.3	9581.2	9471.2	9352.0	9214.8	9011.7	8734.3	8275.0
-17.5°	9017.6	9160.7	9276.3	9301.9	9276.3	9160.7	9017.6	8864.1	8664.4	8416.6	8042.2
-20°	8649.3	8786.3	8884.5	8914.1	8884.5	8786.3	8649.3	8488.4	8299.9	8061.8	7708.9



REPORT NUMBER: P627370 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-722-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°	8254.9	8378.2	8461.3	8448.8	8461.3	8378.2	8254.9	8095.2	7920.9	7704.1	7324.7
-25°	7836.1	7950.6	8029.8	8018.5	8029.8	7950.6	7836.1	7696.7	7523.9	7293.6	6953.8
-27.5°	7393.4	7501.9	7577.9	7580.3	7577.9	7501.9	7393.4	7259.3	7085.5	6853.3	6563.2
-30°	6928.2	7026.7	7088.5	7064.6	7088.5	7026.7	6928.2	6798.1	6636.8	6411.2	6105.3
-32.5°	6448.4	6537.5	6594.1	6611.0	6594.1	6537.5	6448.4	6335.3	6199.3	5992.7	5665.9
-35°	5975.2	6053.7	6102.6	6114.7	6102.6	6053.7	5975.2	5871.9	5739.3	5575.9	5253.1
-37.5°	5504.9	5572.5	5606.7	5591.2	5606.7	5572.5	5504.9	5409.9	5290.5	5149.9	4871.1
-40°	5040.3	5104.6	5143.7	5153.1	5143.7	5104.6	5040.3	4953.9	4843.0	4706.1	4482.3
-42.5°	4583.4	4636.9	4671.3	4687.8	4671.3	4636.9	4583.4	4509.2	4392.3	4240.3	4060.4
-45°	4140.1	4187.9	4220.1	4238.0	4220.1	4187.9	4140.1	4073.6	3959.8	3812.8	3644.4
-47.5°	3708.6	3750.6	3778.4	3792.1	3778.4	3750.6	3708.6	3650.3	3548.8	3403.6	3237.2
-50°	3296.2	3332.5	3358.4	3373.3	3358.4	3332.5	3296.2	3245.6	3159.2	3018.1	2860.3
-52.5°	2905.0	2936.7	2958.8	2970.1	2958.8	2936.7	2905.0	2861.0	2792.0	2658.5	2513.2
-55°	2531.4	2557.2	2577.6	2590.1	2577.6	2557.2	2531.4	2495.2	2445.7	2322.0	2188.3
-57.5°	2183.1	2204.1	2223.5	2237.3	2223.5	2204.1	2183.1	2152.4	2111.9	2005.9	1888.8
-60°	1857.0	1876.9	1893.3	1903.8	1893.3	1876.9	1857.0	1829.8	1795.3	1715.4	1620.4
-62.5°	1562.7	1580.3	1595.4	1605.2	1595.4	1580.3	1562.7	1538.4	1507.2	1445.7	1369.0
-65°	1280.7	1296.4	1307.7	1314.4	1307.7	1296.4	1280.7	1259.5	1232.5	1188.5	1131.7
-67.5°	1042.9	1061.1	1064.7	1062.4	1064.7	1061.1	1042.9	1020.9	995.0	961.0	918.4
-70°	830.6	846.0	849.6	849.1	849.6	846.0	830.6	812.9	793.0	768.5	736.7
-72.5°	649.5	657.8	650.7	639.8	650.7	657.8	649.5	639.9	629.5	615.7	592.1
-75°	487.4	482.1	474.5	465.3	474.5	482.1	487.4	491.7	495.2	494.3	476.8
-77.5°	357.0	343.7	335.1	325.7	335.1	343.7	357.0	369.0	380.0	386.9	375.0
-80°	248.5	235.6	226.6	217.1	226.6	235.6	248.5	260.6	271.8	280.9	276.9
-82.5°	157.4	146.7	141.4	135.7	141.4	146.7	157.4	167.5	177.0	185.2	182.7
-85°	87.4	81.1	77.5	73.7	77.5	81.1	87.4	93.4	98.9	103.8	101.1
-87.5°	38.7	38.7	36.8	34.9	36.8	38.7	38.7	38.6	38.4	38.3	37.1
-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: P627370 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	21.4	20.4	19.4	18.4	17.5	16.5	15.5	14.5	13.6	12.6	11.6
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	0.3	0.5	0.2	0.0	0.4
67.5°	0.0	0.0	0.7	1.6	2.0	2.0	1.8	2.0	2.3	2.1	2.0
65°	2.4	1.5	0.9	1.9	2.9	3.9	4.1	3.6	3.5	4.1	4.8
62.5°	7.8	8.2	7.1	5.9	5.1	5.7	6.2	6.6	5.8	4.6	6.0
60°	23.3	14.2	20.7	22.2	17.7	15.3	23.0	21.8	11.3	9.8	8.8
57.5°	112.5	94.1	103.3	93.9	64.2	56.1	58.1	55.4	50.2	30.7	13.1
55°	387.7	332.3	261.0	225.5	217.2	166.1	123.8	103.4	93.8	67.7	44.8
52.5°	492.5	457.9	404.0	329.7	290.0	275.1	235.2	188.2	149.5	119.6	85.9
50°	617.6	626.8	571.4	468.6	428.0	384.0	345.2	290.8	241.8	193.9	143.1
47.5°	1007.4	938.4	882.9	806.2	660.4	567.4	506.3	417.2	350.0	292.1	229.4
45°	1343.2	1264.2	1210.0	1090.9	936.0	792.1	696.0	584.3	465.4	388.0	331.1
42.5°	1581.7	1479.5	1390.4	1293.2	1145.3	982.9	851.1	740.6	615.6	490.0	414.3
40°	1815.0	1653.0	1564.7	1477.7	1338.3	1156.2	1053.5	891.1	760.6	621.4	518.1
37.5°	2163.1	1887.6	1856.4	1772.6	1614.9	1425.4	1309.9	1149.8	907.7	776.5	657.8
35°	2751.3	2467.5	2303.7	2221.6	2017.0	1775.6	1585.4	1436.0	1195.8	937.2	800.4
32.5°	3399.6	3040.4	2791.7	2674.6	2455.1	2127.5	1892.8	1702.6	1461.7	1169.1	949.6
30°	3765.6	3438.0	3138.5	2938.2	2724.9	2443.3	2174.1	1905.5	1643.8	1401.8	1111.3
27.5°	4106.2	3697.8	3374.9	3148.8	2949.1	2678.4	2380.5	2092.6	1805.0	1565.9	1306.8
25°	4430.7	3978.1	3626.2	3360.8	3128.5	2914.2	2577.4	2262.9	1963.0	1698.7	1496.0
22.5°	4733.0	4312.9	3907.4	3560.4	3363.6	3133.6	2801.5	2420.5	2127.6	1905.2	1666.7
20°	5230.9	4760.6	4247.2	3946.9	3763.9	3408.5	3032.8	2656.1	2387.0	2132.4	1851.8
17.5°	6051.6	5464.7	4850.9	4529.3	4270.1	3834.3	3355.5	2981.8	2645.8	2362.1	2053.3
15°	6950.1	6194.6	5586.4	5171.1	4760.5	4249.9	3695.8	3292.0	2910.2	2591.0	2238.4
12.5°	7394.2	6674.9	6136.9	5551.6	5021.9	4559.3	4035.0	3589.8	3156.4	2740.5	2353.0
10°	7659.2	6944.5	6335.8	5751.6	5220.6	4775.4	4288.5	3761.1	3279.6	2839.5	2448.5
7.5°	7865.3	7128.9	6480.7	5899.1	5361.0	4891.4	4425.3	3872.5	3378.2	2919.4	2525.1
5°	8008.0	7272.6	6615.3	6027.2	5460.9	4974.6	4527.0	3956.8	3451.6	2980.1	2583.3
2.5°	8155.1	7384.1	6699.6	6110.0	5524.5	5027.4	4588.5	4021.2	3511.3	3025.2	2631.9
0°	8212.3	7448.5	6758.3	6153.4	5560.2	5048.4	4606.3	4063.5	3551.7	3051.5	2663.8
-2.5°	8249.2	7469.5	6781.3	6181.5	5607.4	5081.5	4626.4	4111.0	3564.5	3079.9	2672.7
-5°	8193.2	7444.7	6762.0	6158.3	5608.3	5084.1	4612.4	4118.0	3561.2	3087.4	2665.8
-7.5°	8124.5	7379.1	6688.6	6096.4	5567.9	5049.1	4570.7	4087.2	3549.0	3075.0	2652.7
-10°	8008.3	7274.5	6617.2	6032.1	5496.8	4974.4	4509.9	4028.7	3509.4	3039.9	2621.9
-12.5°	7853.3	7142.3	6493.1	5914.5	5401.0	4897.5	4442.6	3947.9	3441.8	2981.3	2573.1
-15°	7648.5	6969.3	6339.5	5775.5	5278.8	4797.4	4342.9	3858.4	3375.8	2909.0	2506.2
-17.5°	7424.4	6741.0	6120.8	5589.5	5118.4	4662.1	4216.1	3764.5	3299.9	2841.2	2446.0
-20°	7170.0	6498.9	5884.5	5369.4	4925.0	4492.6	4080.2	3659.4	3194.4	2763.3	2382.8



REPORT NUMBER: P627370 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-722-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°	6803.9	6211.1	5647.8	5142.8	4717.9	4322.1	3924.9	3518.1	3057.7	2665.6	2296.7
-25°	6442.0	5890.8	5384.5	4920.3	4510.0	4134.1	3747.7	3344.5	2935.9	2550.9	2191.5
-27.5°	6087.8	5577.3	5072.9	4655.6	4287.0	3919.9	3556.9	3175.5	2799.2	2421.8	2092.6
-30°	5705.5	5228.0	4773.1	4381.5	4032.6	3693.0	3366.5	3010.3	2640.1	2282.0	1986.0
-32.5°	5285.6	4866.5	4465.6	4096.9	3770.8	3469.9	3160.1	2822.4	2456.6	2151.4	1862.4
-35°	4878.0	4491.2	4145.3	3820.0	3524.0	3248.6	2948.6	2610.6	2289.4	2002.9	1723.1
-37.5°	4513.2	4136.5	3816.1	3535.9	3288.6	3027.5	2728.5	2428.4	2126.5	1837.6	1593.5
-40°	4135.8	3784.2	3499.7	3271.9	3035.3	2800.3	2537.0	2258.1	1960.1	1677.9	1466.3
-42.5°	3769.9	3486.2	3205.7	2977.8	2765.7	2573.2	2351.1	2069.5	1795.7	1550.6	1347.2
-45°	3411.7	3154.0	2898.0	2690.1	2513.7	2333.2	2134.6	1878.7	1632.7	1422.3	1230.4
-47.5°	3043.6	2826.7	2613.1	2419.9	2262.1	2086.9	1895.2	1678.4	1476.8	1287.2	1117.3
-50°	2690.3	2514.3	2341.5	2174.0	2014.4	1843.3	1672.1	1497.0	1317.2	1151.9	997.7
-52.5°	2357.5	2211.8	2065.8	1919.3	1779.7	1630.1	1472.1	1316.5	1158.3	1020.2	882.5
-55°	2044.6	1919.6	1803.8	1686.3	1568.7	1433.8	1291.3	1151.1	1024.8	897.9	785.7
-57.5°	1767.5	1657.8	1565.7	1469.7	1370.3	1250.9	1129.0	1010.5	905.7	800.7	696.8
-60°	1522.7	1427.1	1348.1	1264.5	1176.2	1076.4	979.6	885.7	795.2	709.5	620.0
-62.5°	1291.5	1214.4	1143.2	1072.4	1000.7	925.0	842.2	766.5	696.3	624.1	543.2
-65°	1072.8	1012.4	952.7	895.5	836.5	775.7	709.8	649.9	592.5	534.0	464.0
-67.5°	873.3	826.0	777.6	729.7	683.8	635.6	585.5	535.5	488.8	441.0	384.2
-70°	703.0	667.4	629.8	589.8	551.8	514.0	475.3	434.9	392.1	353.1	314.2
-72.5°	567.4	541.8	513.7	481.4	447.2	414.6	383.1	351.6	319.1	285.7	251.8
-75°	458.6	439.8	418.4	391.4	363.7	335.3	308.8	281.7	252.1	219.7	188.2
-77.5°	363.1	351.6	338.4	316.9	295.1	273.2	249.5	220.0	189.8	159.9	133.8
-80°	272.2	266.8	258.9	240.2	221.5	202.9	183.2	157.3	131.6	107.5	88.1
-82.5°	179.6	175.9	170.9	158.4	146.1	134.0	121.6	103.6	86.4	70.1	55.8
-85°	98.2	95.0	91.5	85.6	79.6	73.8	67.8	57.9	48.6	39.9	32.2
-87.5°	35.9	34.7	33.4	32.2	30.9	29.5	28.2	25.3	22.4	19.7	17.1
-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: P627370 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-722-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°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	10.7	9.7	8.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	2.0
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.6	1.2
82.5°	0.0	0.0	0.0	0.1	0.6	1.0	1.1	1.0	0.6	0.1	0.3
80°	0.0	0.0	0.0	0.1	1.0	2.1	2.6	2.7	2.0	1.4	0.8
77.5°	0.0	0.0	0.0	0.0	0.4	1.1	2.2	3.5	3.5	2.7	1.9
75°	0.0	0.0	0.0	0.2	0.3	0.1	0.8	2.1	3.2	3.8	3.1
72.5°	0.0	0.0	0.0	0.5	1.0	1.1	0.6	0.7	2.3	3.3	3.8
70°	0.6	0.2	0.0	0.6	1.6	2.4	2.2	1.8	1.5	2.9	3.7
67.5°	1.8	2.0	1.5	1.1	1.8	2.7	3.6	3.5	3.0	2.5	3.6
65°	4.5	4.2	3.8	3.4	2.9	2.9	3.8	4.8	4.5	3.9	3.6
62.5°	6.8	6.8	6.3	5.7	5.1	4.4	4.1	5.4	5.9	5.2	4.4
60°	8.7	9.1	8.7	7.9	7.2	6.4	5.8	6.1	6.8	6.6	5.6
57.5°	12.1	11.7	11.5	10.5	9.3	8.3	7.8	7.6	7.8	7.7	6.7
55°	21.3	14.8	14.9	13.8	11.8	10.2	9.8	9.4	9.0	8.9	7.9
52.5°	53.9	29.9	19.2	17.7	15.4	12.6	11.8	11.3	10.7	10.1	9.0
50°	99.5	64.4	36.5	22.9	19.5	16.6	13.8	13.1	12.3	11.5	10.1
47.5°	159.2	110.7	71.9	36.1	25.2	20.8	17.2	14.9	13.9	12.9	11.2
45°	245.2	163.1	113.1	71.4	33.5	28.7	21.3	16.7	15.6	14.3	12.2
42.5°	341.2	239.3	158.7	107.9	64.1	39.7	25.5	20.3	17.2	15.7	13.4
40°	435.3	330.8	213.1	148.8	96.7	53.2	36.7	24.2	18.8	17.3	14.7
37.5°	539.4	427.5	298.6	192.5	129.9	81.2	50.3	28.2	21.4	18.9	16.1
35°	668.2	534.8	384.1	256.4	172.0	107.2	65.5	35.8	26.2	20.6	17.5
32.5°	796.8	641.9	476.4	330.7	216.0	131.1	85.2	51.1	32.0	22.4	19.0
30°	926.2	740.0	563.4	399.6	266.7	169.6	106.4	66.0	38.5	24.2	20.4
27.5°	1042.7	832.5	644.9	471.4	326.1	210.2	128.6	80.4	45.7	27.4	22.0
25°	1174.3	932.6	725.0	540.2	380.4	252.5	151.4	94.6	56.4	33.0	23.5
22.5°	1343.7	1035.4	799.3	602.5	434.2	292.9	180.7	113.3	68.0	39.0	25.0
20°	1512.1	1135.8	872.0	680.6	492.7	338.5	214.5	131.8	79.1	45.1	26.5
17.5°	1677.4	1264.6	977.9	760.4	555.3	381.1	246.2	150.0	89.5	51.3	28.0
15°	1825.5	1412.0	1082.0	835.8	616.7	420.5	275.4	167.8	99.3	57.6	30.0
12.5°	1950.0	1539.1	1180.0	906.4	675.7	456.5	302.2	184.7	108.4	64.6	32.6
10°	2052.8	1646.6	1270.8	971.7	731.5	488.8	326.2	201.8	118.9	72.0	35.5
7.5°	2134.9	1735.4	1353.5	1030.9	782.2	519.1	352.1	219.7	129.2	79.0	38.3
5°	2196.7	1804.7	1417.4	1073.4	822.4	547.0	376.1	236.1	138.7	85.6	41.2
2.5°	2236.8	1855.7	1464.8	1106.6	855.2	570.4	397.1	250.9	147.4	91.6	43.9
0°	2260.5	1892.2	1500.6	1132.2	880.2	589.4	414.9	263.7	155.1	96.9	46.5
-2.5°	2281.7	1916.1	1531.9	1176.8	897.4	620.5	426.3	275.2	167.3	100.7	51.2
-5°	2288.7	1926.6	1552.3	1211.2	907.7	645.7	434.3	284.7	178.1	103.9	55.6
-7.5°	2276.9	1920.2	1559.5	1230.7	912.6	663.5	439.0	292.0	186.8	106.3	59.4
-10°	2250.6	1899.5	1550.0	1224.8	919.1	669.1	441.7	297.4	193.1	108.1	62.5
-12.5°	2211.7	1868.1	1529.6	1211.8	918.0	665.5	448.9	301.7	196.5	109.3	64.8
-15°	2160.8	1827.0	1498.5	1192.6	907.0	657.5	450.8	303.2	196.1	111.6	66.2
-17.5°	2100.8	1777.2	1456.7	1168.1	885.5	645.5	446.7	301.4	194.1	114.9	67.7
-20°	2040.8	1721.9	1407.2	1139.2	853.0	629.8	436.3	295.8	190.6	117.1	69.1

Classified

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

Scaled Data Report



REPORT NUMBER: P627370 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-722-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°	1970.4	1658.4	1364.4	1098.8	817.9	611.0	419.3	286.4	185.5	118.0	69.7
-25°	1889.5	1584.2	1312.9	1043.4	790.3	589.6	401.8	273.0	178.9	117.7	69.5
-27.5°	1798.1	1505.0	1252.4	982.6	761.6	559.8	385.1	263.2	173.3	116.0	68.4
-30°	1696.1	1430.3	1179.9	924.2	726.4	527.6	363.4	252.2	170.8	113.9	66.5
-32.5°	1586.2	1346.3	1102.1	879.7	686.5	494.1	344.1	239.7	166.5	111.1	66.6
-35°	1483.1	1254.9	1022.6	828.3	644.1	474.3	331.3	225.9	160.5	107.3	67.0
-37.5°	1372.6	1159.1	959.7	774.7	599.5	451.6	320.9	219.8	152.7	102.3	66.7
-40°	1266.4	1068.1	886.8	723.6	566.5	425.9	304.5	212.9	145.3	96.3	65.8
-42.5°	1158.9	982.7	817.2	668.0	535.3	401.1	283.5	202.3	139.3	92.8	64.3
-45°	1059.9	894.4	743.0	619.6	500.7	369.4	267.4	189.1	131.9	90.3	62.9
-47.5°	955.8	804.5	675.3	566.5	455.5	335.0	246.9	178.6	122.9	87.0	62.0
-50°	848.4	719.3	611.9	508.2	400.1	306.2	224.9	166.1	119.7	84.5	60.5
-52.5°	754.5	644.6	547.1	448.3	358.3	272.5	208.3	152.8	115.5	82.3	58.4
-55°	673.6	573.5	483.3	399.1	318.4	247.8	189.4	146.4	110.3	79.6	55.8
-57.5°	602.0	507.5	430.9	355.3	285.2	224.0	176.2	138.9	104.8	75.9	53.4
-60°	532.4	454.9	383.3	315.9	254.2	203.4	165.9	130.2	98.2	71.2	50.8
-62.5°	468.2	399.9	337.6	276.7	226.4	186.7	154.1	120.0	90.5	65.2	47.4
-65°	400.8	342.6	290.0	242.2	201.2	167.1	138.7	108.5	80.3	58.1	42.9
-67.5°	330.7	288.1	246.9	207.1	173.6	145.0	121.1	93.2	68.4	49.9	37.7
-70°	275.4	237.9	203.0	171.8	144.4	121.1	98.9	75.3	55.1	42.7	32.1
-72.5°	219.2	188.6	160.1	135.2	115.7	95.9	75.7	57.7	45.7	35.2	26.2
-75°	162.3	141.6	123.0	105.7	88.1	70.8	57.7	45.8	36.0	27.4	22.1
-77.5°	117.7	102.8	89.1	78.2	66.1	54.5	43.6	33.6	27.3	22.8	18.6
-80°	80.0	72.1	64.6	56.9	47.2	38.0	31.4	25.9	22.0	18.3	15.0
-82.5°	50.4	46.2	42.4	38.6	32.9	27.8	23.3	19.5	16.6	13.8	12.1
-85°	29.9	27.7	25.5	23.3	20.2	17.4	16.1	14.9	13.6	12.3	11.0
-87.5°	16.9	16.6	16.3	16.1	15.3	14.5	13.8	13.2	12.1	11.0	9.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.9	2.9

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CATALOG NUMBER: GFLD-SA4C-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.8	6.8	5.9	4.9	3.9	3.9	3.9
87.5°	2.9	3.3	3.6	3.8	3.9	3.9	3.9
85°	1.9	2.6	3.2	3.6	3.9	3.9	3.9
82.5°	0.9	2.0	2.9	3.5	3.9	3.9	3.9
80°	0.2	1.4	2.6	3.4	3.9	3.9	3.9
77.5°	1.2	1.3	2.3	3.3	3.9	3.9	3.9
75°	2.2	1.9	2.1	3.2	3.9	3.9	3.9
72.5°	3.1	2.5	2.5	3.1	3.9	3.9	3.9
70°	3.9	3.1	2.8	3.1	3.9	3.9	3.9
67.5°	4.0	3.6	3.1	3.3	3.9	3.9	3.9
65°	4.2	4.0	3.4	3.4	3.9	3.9	3.9
62.5°	4.4	4.3	3.7	3.5	3.9	3.9	3.9
60°	4.6	4.7	3.9	3.6	3.9	3.9	3.9
57.5°	5.5	5.1	4.3	3.7	3.9	3.9	3.9
55°	6.5	5.5	4.7	3.8	4.0	3.9	3.9
52.5°	7.5	6.0	5.1	3.8	4.1	3.9	3.9
50°	8.4	6.8	5.5	3.9	4.2	3.9	3.9
47.5°	9.4	7.5	6.0	4.0	4.3	3.9	3.9
45°	10.3	8.3	6.4	4.3	4.4	3.9	3.9
42.5°	11.1	9.0	6.9	4.7	4.5	3.9	3.9
40°	12.0	9.7	7.4	5.2	4.6	3.9	3.9
37.5°	12.8	10.4	8.0	5.7	4.8	3.9	3.9
35°	13.6	11.1	8.5	6.2	5.0	3.9	3.9
32.5°	14.5	11.7	9.0	6.7	5.1	3.9	3.9
30°	15.7	12.3	9.5	7.2	5.3	3.9	3.9
27.5°	16.9	12.9	10.1	7.6	5.5	3.9	3.9
25°	18.0	13.5	10.7	8.1	5.7	3.9	3.9
22.5°	19.2	14.1	11.3	8.5	5.9	3.9	3.9
20°	20.3	14.8	11.9	8.9	6.2	3.9	3.9
17.5°	21.4	15.5	12.4	9.3	6.4	3.9	3.9
15°	22.5	16.2	12.9	9.7	6.6	3.9	3.9
12.5°	23.4	16.8	13.4	10.1	6.8	3.9	3.9
10°	24.4	17.4	13.9	10.4	7.0	3.9	3.9
7.5°	25.2	17.9	14.3	10.8	7.2	3.9	3.9
5°	25.9	18.5	14.8	11.1	7.4	3.9	3.9
2.5°	26.5	18.9	15.1	11.3	7.6	3.9	3.9
0°	27.1	19.4	15.5	11.6	7.8	3.9	3.9
-2.5°	28.6	19.8	15.8	11.6	7.8	3.9	3.9
-5°	30.0	20.2	16.1	11.6	7.8	3.9	3.9
-7.5°	31.2	20.5	16.4	11.5	7.7	3.9	3.9
-10°	32.2	20.8	16.5	11.4	7.7	3.9	3.9
-12.5°	33.0	21.1	16.7	11.3	7.6	3.9	3.9
-15°	33.5	21.3	16.7	11.2	7.5	3.9	3.9
-17.5°	33.7	21.5	16.7	11.1	7.4	3.9	3.9
-20°	34.5	21.6	16.6	10.9	7.3	3.9	3.9

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	36.7	21.7	16.4	10.7	7.2	3.9	3.9
-25°	38.6	23.1	16.1	10.5	7.1	3.9	3.9
-27.5°	40.0	24.9	15.7	10.3	6.9	3.9	3.9
-30°	40.9	26.5	15.3	10.1	6.8	3.9	3.9
-32.5°	41.4	27.7	15.9	9.8	6.6	3.9	3.9
-35°	42.6	28.7	16.3	9.5	6.4	3.9	3.9
-37.5°	43.7	29.4	16.6	9.2	6.2	3.9	3.9
-40°	44.4	29.6	16.7	8.9	6.0	3.9	3.9
-42.5°	44.6	29.6	16.8	8.7	5.7	3.9	3.9
-45°	44.4	29.4	16.9	8.8	5.5	3.9	3.9
-47.5°	43.7	29.0	16.8	8.8	5.3	3.9	3.9
-50°	42.8	28.3	16.5	8.6	5.0	3.9	3.9
-52.5°	41.6	27.4	16.0	8.5	4.7	3.9	3.9
-55°	40.1	26.3	15.3	8.2	4.5	3.9	3.9
-57.5°	38.4	24.9	14.5	7.9	4.2	3.9	3.9
-60°	36.3	23.2	13.5	7.6	3.9	3.9	3.9
-62.5°	33.3	21.2	12.7	7.2	3.9	3.9	3.9
-65°	30.1	19.0	11.9	6.7	3.9	3.9	3.9
-67.5°	26.4	17.1	11.0	6.2	3.9	3.9	3.9
-70°	22.5	15.5	10.0	5.6	3.9	3.9	3.9
-72.5°	19.9	13.8	8.9	5.5	3.9	3.9	3.9
-75°	17.3	12.0	7.7	5.4	3.9	3.9	3.9
-77.5°	14.6	10.2	7.3	5.4	3.9	3.9	3.9
-80°	11.8	9.1	7.1	5.3	3.9	3.9	3.9
-82.5°	10.7	8.6	6.8	5.2	3.9	3.9	3.9
-85°	9.7	8.0	6.5	5.1	3.9	3.9	3.9
-87.5°	8.8	7.4	6.2	5.0	3.9	3.9	3.9
-90°	3.9	3.9	3.9	3.9	3.9	3.9	3.9

(END OF REPORT)