

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: P627191 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3D-722-U-VWR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627191 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA3D-722-U-VWR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N63  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

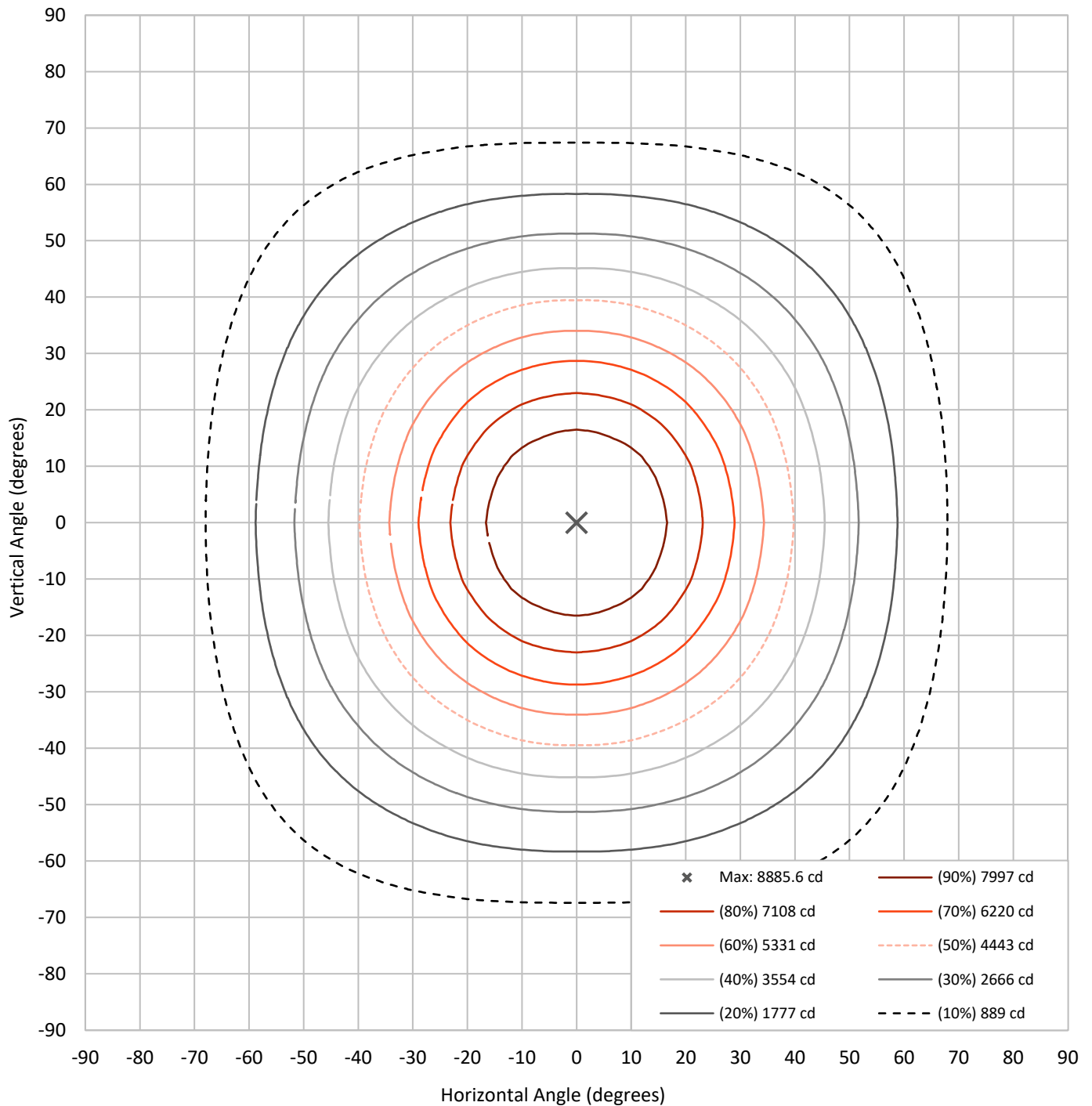
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	16059.9 lumens	Max Intensity:	8885.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	100.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	9419.2 lumens	Field Lumens:	15310.4 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
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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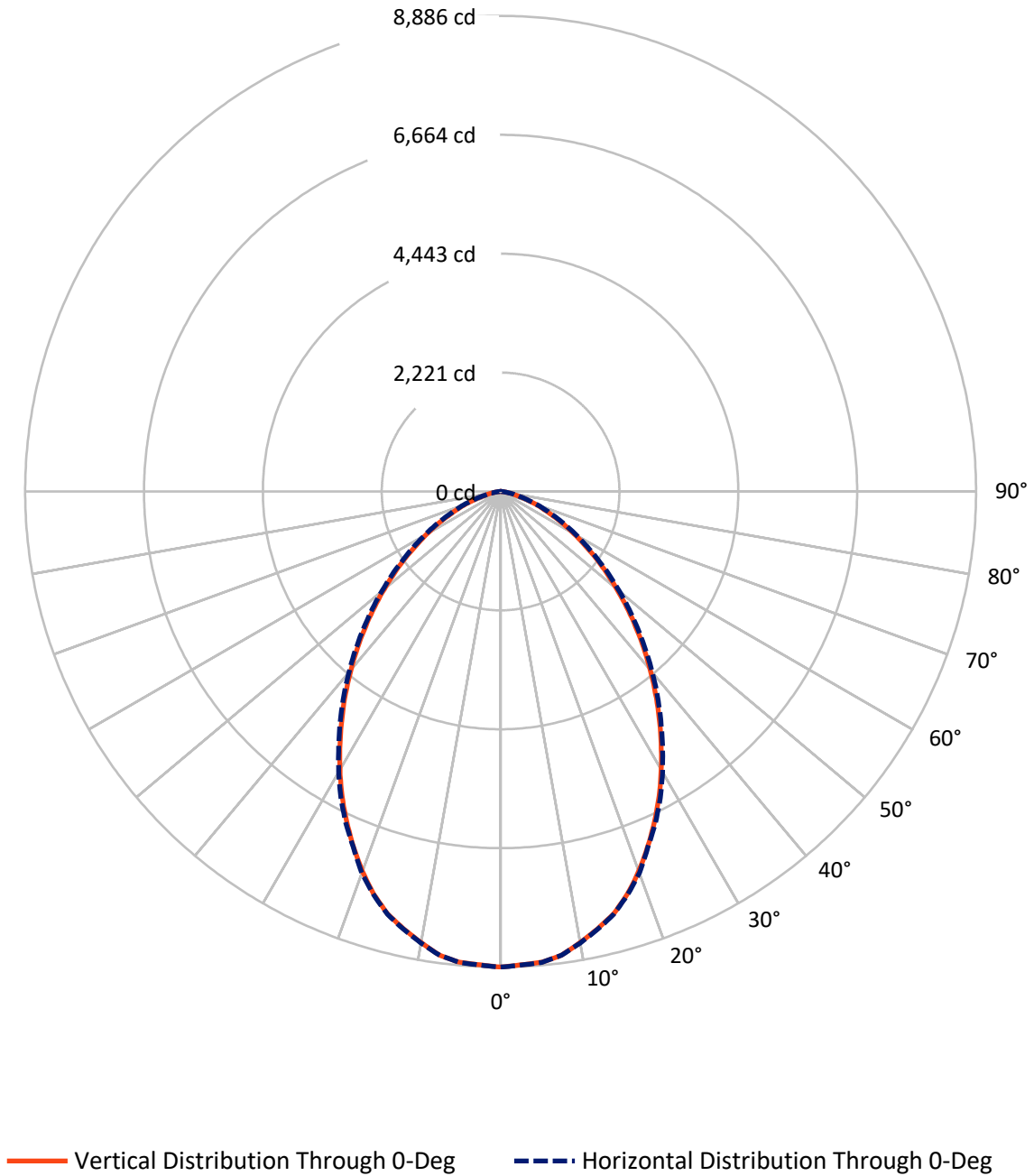
### Iso-Candela Plot





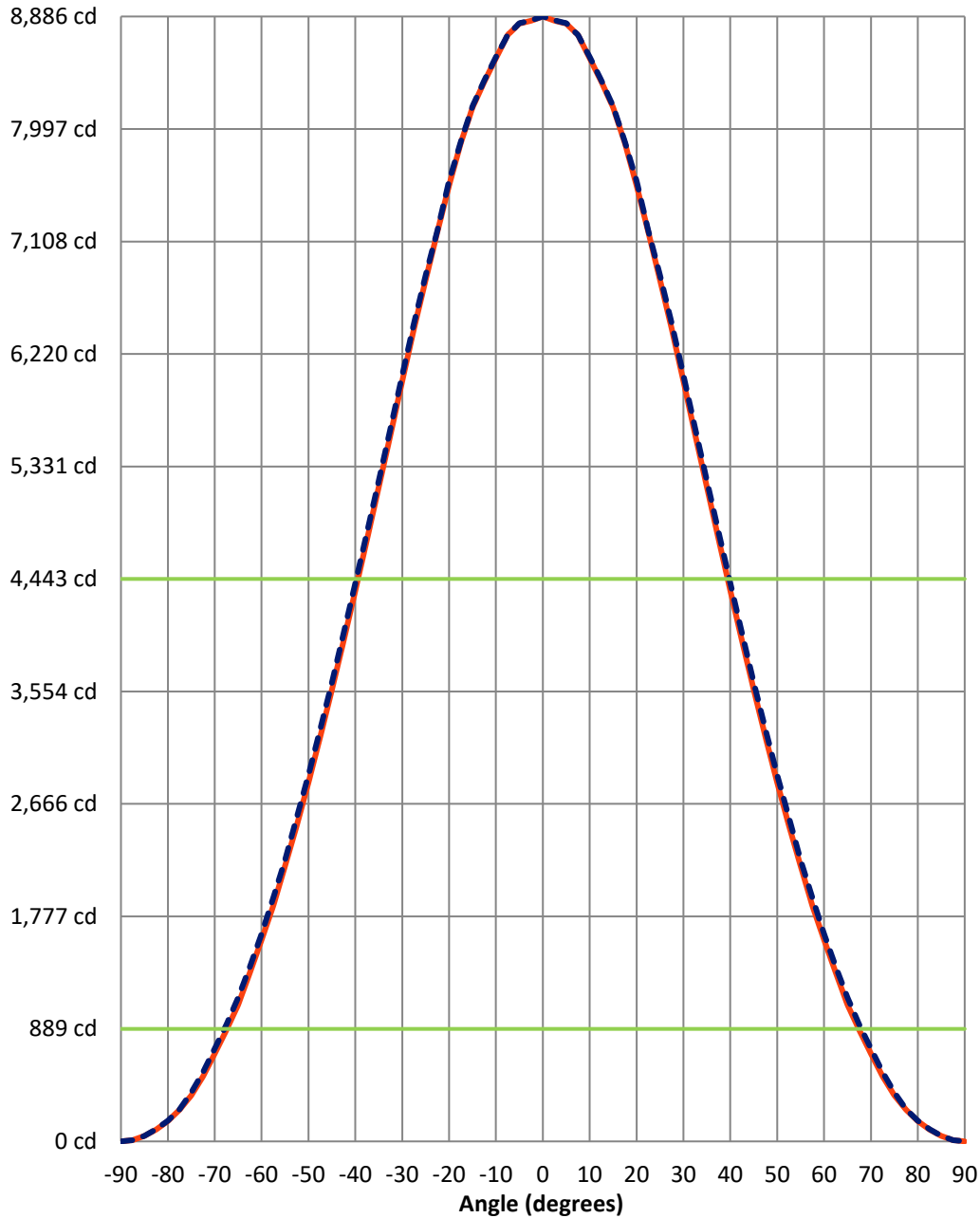
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 79.6°  
 V Angle: 78.9°  
 Lumens: 9419.2  
 Efficiency: 58.7%

**Field:**  
 H Angle: 135.9°  
 V Angle: 134.8°  
 Lumens: 15310.4  
 Efficiency: 95.3%

**Spill:**  
 Lumens: 749.5  
 Efficiency: 4.7%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg

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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.5	1.2	1.7	2.3	2.9	3.4	4.0	4.5	5.1	5.6
85°	0.0	1.0	2.3	3.5	4.6	5.8	6.9	8.0	9.1	10.2	11.2
82.5°	0.0	1.5	3.5	5.2	6.9	8.6	10.3	12.0	15.0	23.6	31.9
80°	0.0	2.0	4.6	6.9	9.2	11.5	15.5	27.6	39.3	50.5	61.2
77.5°	0.0	2.5	5.7	8.6	11.5	18.0	33.8	49.1	63.4	77.2	94.3
75°	0.0	3.0	6.8	10.3	14.9	31.1	51.7	70.4	88.3	113.0	139.2
72.5°	0.0	3.5	7.9	12.0	23.8	43.9	69.0	93.3	121.4	151.4	183.2
70°	0.0	3.9	9.0	14.3	32.4	56.2	86.3	120.7	153.8	189.2	230.5
67.5°	0.0	4.4	10.0	19.7	40.7	68.0	107.0	147.5	185.5	230.2	277.6
65°	0.0	4.9	11.0	24.8	48.6	81.2	126.8	173.5	219.8	270.0	321.6
62.5°	0.0	5.3	11.9	29.6	56.1	95.7	145.7	200.8	252.9	308.0	361.0
60°	0.0	5.7	12.8	34.3	63.1	109.4	163.4	227.8	284.8	343.6	399.8
57.5°	0.0	6.1	15.4	38.6	72.5	122.2	182.1	253.0	316.2	378.6	436.6
55°	0.0	6.5	18.0	42.7	81.4	134.1	199.8	274.8	347.1	412.3	472.0
52.5°	0.0	6.9	20.4	46.4	89.7	145.5	216.3	297.4	377.2	443.5	506.4
50°	0.0	7.2	22.8	49.8	97.3	157.5	231.3	318.9	405.9	473.6	545.9
47.5°	0.0	7.6	25.0	53.4	104.3	168.5	245.4	338.9	431.9	502.9	584.6
45°	0.0	7.9	27.1	58.0	110.5	178.5	261.0	357.3	452.1	535.9	621.6
42.5°	0.0	8.2	29.1	62.2	116.1	187.3	275.4	374.3	471.4	567.6	665.2
40°	0.0	8.5	31.0	66.5	121.7	195.0	288.4	390.3	491.5	597.2	707.6
37.5°	0.0	8.7	32.7	70.7	127.2	201.6	300.0	405.5	514.1	625.3	747.4
35°	0.0	9.0	34.4	74.6	131.9	209.2	310.3	419.9	536.0	657.6	787.5
32.5°	0.0	9.2	35.9	78.3	135.9	216.8	319.8	433.3	557.4	688.7	830.0
30°	0.0	9.4	37.3	81.6	139.1	223.3	329.7	446.7	577.9	718.5	869.8
27.5°	0.0	9.5	38.5	84.6	143.8	228.7	338.6	462.3	599.1	746.7	906.6
25°	0.0	9.7	39.6	87.3	148.3	233.0	346.5	476.7	621.2	775.4	940.7
22.5°	0.0	9.8	40.6	89.7	152.2	237.2	353.2	490.0	641.5	802.6	977.0
20°	0.0	9.9	41.4	91.8	155.6	243.1	358.7	501.9	660.0	826.9	1009.5
17.5°	0.0	10.0	42.1	93.5	158.5	248.0	365.6	512.4	676.4	848.3	1038.2
15°	0.0	10.1	42.7	94.9	160.7	251.7	372.8	522.4	690.7	866.5	1063.0
12.5°	0.0	10.1	43.1	96.0	162.5	254.4	378.7	531.8	703.7	881.7	1083.7
10°	0.0	10.1	43.4	96.7	163.7	256.1	383.1	539.1	714.8	896.0	1101.1
7.5°	0.0	10.1	43.6	97.2	164.4	256.8	386.1	544.1	723.4	907.4	1116.2
5°	0.0	10.1	43.6	97.3	164.5	256.5	387.7	547.0	729.3	915.7	1127.0
2.5°	0.0	10.1	43.5	97.1	164.1	255.2	387.8	547.7	732.5	920.8	1133.5
0°	0.0	10.0	43.3	96.6	163.2	253.1	386.3	546.2	732.7	922.5	1135.7
-2.5°	0.0	10.1	43.5	97.1	164.1	255.2	387.8	547.7	732.5	920.8	1133.5
-5°	0.0	10.1	43.6	97.3	164.5	256.5	387.7	547.0	729.3	915.7	1127.0
-7.5°	0.0	10.1	43.6	97.2	164.4	256.8	386.1	544.1	723.4	907.4	1116.2
-10°	0.0	10.1	43.4	96.7	163.7	256.1	383.1	539.1	714.8	896.0	1101.1
-12.5°	0.0	10.1	43.1	96.0	162.5	254.4	378.7	531.8	703.7	881.7	1083.7
-15°	0.0	10.1	42.7	94.9	160.7	251.7	372.8	522.4	690.7	866.5	1063.0
-17.5°	0.0	10.0	42.1	93.5	158.5	248.0	365.6	512.4	676.4	848.3	1038.2
-20°	0.0	9.9	41.4	91.8	155.6	243.1	358.7	501.9	660.0	826.9	1009.5

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CATALOG NUMBER: GFLD-SA3D-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	9.8	40.6	89.7	152.2	237.2	353.2	490.0	641.5	802.6	977.0
-25°	0.0	9.7	39.6	87.3	148.3	233.0	346.5	476.7	621.2	775.4	940.7
-27.5°	0.0	9.5	38.5	84.6	143.8	228.7	338.6	462.3	599.1	746.7	906.6
-30°	0.0	9.4	37.3	81.6	139.1	223.3	329.7	446.7	577.9	718.5	869.8
-32.5°	0.0	9.2	35.9	78.3	135.9	216.8	319.8	433.3	557.4	688.7	830.0
-35°	0.0	9.0	34.4	74.6	131.9	209.2	310.3	419.9	536.0	657.6	787.5
-37.5°	0.0	8.7	32.7	70.7	127.2	201.6	300.0	405.5	514.1	625.3	747.4
-40°	0.0	8.5	31.0	66.5	121.7	195.0	288.4	390.3	491.5	597.2	707.6
-42.5°	0.0	8.2	29.1	62.2	116.1	187.3	275.4	374.3	471.4	567.6	665.2
-45°	0.0	7.9	27.1	58.0	110.5	178.5	261.0	357.3	452.1	535.9	621.6
-47.5°	0.0	7.6	25.0	53.4	104.3	168.5	245.4	338.9	431.9	502.9	584.6
-50°	0.0	7.2	22.8	49.8	97.3	157.5	231.3	318.9	405.9	473.6	545.9
-52.5°	0.0	6.9	20.4	46.4	89.7	145.5	216.3	297.4	377.2	443.5	506.4
-55°	0.0	6.5	18.0	42.7	81.4	134.1	199.8	274.8	347.1	412.3	472.0
-57.5°	0.0	6.1	15.4	38.6	72.5	122.2	182.1	253.0	316.2	378.6	436.6
-60°	0.0	5.7	12.8	34.3	63.1	109.4	163.4	227.8	284.8	343.6	399.8
-62.5°	0.0	5.3	11.9	29.6	56.1	95.7	145.7	200.8	252.9	308.0	361.0
-65°	0.0	4.9	11.0	24.8	48.6	81.2	126.8	173.5	219.8	270.0	321.6
-67.5°	0.0	4.4	10.0	19.7	40.7	68.0	107.0	147.5	185.5	230.2	277.6
-70°	0.0	3.9	9.0	14.3	32.4	56.2	86.3	120.7	153.8	189.2	230.5
-72.5°	0.0	3.5	7.9	12.0	23.8	43.9	69.0	93.3	121.4	151.4	183.2
-75°	0.0	3.0	6.8	10.3	14.9	31.1	51.7	70.4	88.3	113.0	139.2
-77.5°	0.0	2.5	5.7	8.6	11.5	18.0	33.8	49.1	63.4	77.2	94.3
-80°	0.0	2.0	4.6	6.9	9.2	11.5	15.5	27.6	39.3	50.5	61.2
-82.5°	0.0	1.5	3.5	5.2	6.9	8.6	10.3	12.0	15.0	23.6	31.9
-85°	0.0	1.0	2.3	3.5	4.6	5.8	6.9	8.0	9.1	10.2	11.2
-87.5°	0.0	0.5	1.2	1.7	2.3	2.9	3.4	4.0	4.5	5.1	5.6
-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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 CATALOG NUMBER: GFLD-SA3D-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.5	7.5	8.5	9.6	9.7	9.6	9.6	9.4	9.8	10.2	10.6
85°	13.0	15.0	20.8	26.4	29.1	30.7	31.5	31.3	36.5	42.4	48.8
82.5°	40.5	48.9	56.9	64.5	66.4	66.4	65.8	66.0	78.0	91.7	105.8
80°	72.2	82.8	96.8	109.3	114.7	117.5	118.8	118.6	133.7	153.9	175.2
77.5°	114.5	132.3	147.8	161.0	168.1	174.4	179.5	183.5	203.0	228.5	253.8
75°	162.7	182.3	201.7	218.6	230.5	239.3	247.5	260.7	286.2	315.9	341.8
72.5°	213.6	238.5	260.2	278.6	295.2	312.9	332.6	354.3	381.2	411.0	438.1
70°	267.9	295.3	318.0	340.2	362.8	389.3	418.9	448.1	478.2	511.0	542.6
67.5°	321.0	347.5	374.2	402.2	436.1	471.5	506.6	546.8	588.0	624.4	657.0
65°	367.2	398.2	431.7	469.6	511.5	556.5	603.3	651.5	703.8	747.5	787.5
62.5°	411.3	448.6	489.2	536.5	590.0	643.2	702.9	763.3	822.1	873.7	921.4
60°	451.9	497.1	548.5	606.5	668.9	739.7	807.6	876.4	940.8	999.2	1059.5
57.5°	491.4	548.4	610.0	679.6	758.5	838.0	917.9	991.8	1064.8	1136.0	1204.1
55°	533.3	601.9	675.3	760.6	849.5	943.6	1029.6	1112.1	1192.5	1278.9	1361.0
52.5°	579.3	656.0	747.8	843.3	946.0	1046.9	1141.5	1235.5	1332.7	1430.4	1537.3
50°	623.8	719.3	819.9	931.0	1041.9	1150.1	1258.5	1366.8	1483.2	1603.1	1724.1
47.5°	675.7	779.9	898.7	1017.9	1139.1	1259.5	1380.3	1511.1	1643.4	1782.4	1916.4
45°	728.2	845.4	973.4	1108.2	1239.3	1372.6	1513.8	1658.4	1813.5	1966.4	2127.5
42.5°	777.9	910.4	1051.6	1197.1	1343.0	1491.9	1647.2	1816.1	1985.6	2161.9	2339.0
40°	833.1	972.3	1128.0	1288.3	1446.5	1611.6	1789.1	1972.0	2163.7	2357.6	2550.0
37.5°	886.1	1039.2	1202.8	1375.3	1552.9	1734.3	1927.0	2134.6	2342.6	2551.3	2763.4
35°	935.8	1102.6	1279.8	1462.9	1651.2	1857.6	2073.0	2294.6	2520.0	2745.7	2973.8
32.5°	986.9	1162.3	1353.3	1549.3	1756.8	1978.1	2214.1	2454.3	2694.3	2935.3	3185.0
30°	1038.0	1225.0	1424.5	1631.0	1858.0	2099.1	2352.8	2607.2	2861.1	3126.2	3392.3
27.5°	1086.4	1284.4	1494.5	1715.5	1955.0	2211.2	2480.6	2753.1	3026.8	3308.7	3592.6
25°	1131.0	1340.7	1559.5	1796.8	2050.6	2319.0	2599.6	2884.1	3184.2	3485.9	3782.3
22.5°	1174.4	1392.4	1619.7	1871.7	2137.3	2419.1	2711.4	3011.7	3325.3	3649.3	3956.0
20°	1216.2	1441.7	1678.2	1939.5	2214.9	2509.3	2812.9	3127.3	3456.5	3789.1	4119.0
17.5°	1253.3	1485.5	1732.8	2003.0	2289.0	2591.7	2904.4	3229.2	3573.0	3917.7	4267.3
15°	1285.6	1523.6	1780.0	2058.3	2354.4	2666.6	2989.3	3323.3	3676.0	4035.0	4398.4
12.5°	1312.9	1555.9	1819.7	2105.4	2409.9	2730.8	3062.3	3408.0	3770.2	4139.2	4513.2
10°	1335.1	1582.2	1851.9	2143.8	2455.3	2784.0	3122.3	3477.8	3850.8	4227.9	4609.8
7.5°	1354.0	1604.1	1877.4	2173.5	2490.3	2825.5	3169.1	3532.3	3915.1	4297.1	4687.3
5°	1367.8	1621.9	1900.9	2198.4	2520.7	2858.0	3204.6	3571.1	3962.1	4346.4	4743.6
2.5°	1376.0	1633.4	1916.8	2214.5	2544.6	2882.3	3236.0	3605.4	3996.5	4385.5	4785.9
0°	1378.8	1638.6	1925.0	2221.4	2557.8	2894.1	3253.8	3623.5	4013.2	4409.5	4812.5
-2.5°	1376.0	1633.4	1916.8	2214.5	2544.6	2882.3	3236.0	3605.4	3996.5	4385.5	4785.9
-5°	1367.8	1621.9	1900.9	2198.4	2520.7	2858.0	3204.6	3571.1	3962.1	4346.4	4743.6
-7.5°	1354.0	1604.1	1877.4	2173.5	2490.3	2825.5	3169.1	3532.3	3915.1	4297.1	4687.3
-10°	1335.1	1582.2	1851.9	2143.8	2455.3	2784.0	3122.3	3477.8	3850.8	4227.9	4609.8
-12.5°	1312.9	1555.9	1819.7	2105.4	2409.9	2730.8	3062.3	3408.0	3770.2	4139.2	4513.2
-15°	1285.6	1523.6	1780.0	2058.3	2354.4	2666.6	2989.3	3323.3	3676.0	4035.0	4398.4
-17.5°	1253.3	1485.5	1732.8	2003.0	2289.0	2591.7	2904.4	3229.2	3573.0	3917.7	4267.3
-20°	1216.2	1441.7	1678.2	1939.5	2214.9	2509.3	2812.9	3127.3	3456.5	3789.1	4119.0

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA3D-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1174.4	1392.4	1619.7	1871.7	2137.3	2419.1	2711.4	3011.7	3325.3	3649.3	3956.0
-25°	1131.0	1340.7	1559.5	1796.8	2050.6	2319.0	2599.6	2884.1	3184.2	3485.9	3782.3
-27.5°	1086.4	1284.4	1494.5	1715.5	1955.0	2211.2	2480.6	2753.1	3026.8	3308.7	3592.6
-30°	1038.0	1225.0	1424.5	1631.0	1858.0	2099.1	2352.8	2607.2	2861.1	3126.2	3392.3
-32.5°	986.9	1162.3	1353.3	1549.3	1756.8	1978.1	2214.1	2454.3	2694.3	2935.3	3185.0
-35°	935.8	1102.6	1279.8	1462.9	1651.2	1857.6	2073.0	2294.6	2520.0	2745.7	2973.8
-37.5°	886.1	1039.2	1202.8	1375.3	1552.9	1734.3	1927.0	2134.6	2342.6	2551.3	2763.4
-40°	833.1	972.3	1128.0	1288.3	1446.5	1611.6	1789.1	1972.0	2163.7	2357.6	2550.0
-42.5°	777.9	910.4	1051.6	1197.1	1343.0	1491.9	1647.2	1816.1	1985.6	2161.9	2339.0
-45°	728.2	845.4	973.4	1108.2	1239.3	1372.6	1513.8	1658.4	1813.5	1966.4	2127.5
-47.5°	675.7	779.9	898.7	1017.9	1139.1	1259.5	1380.3	1511.1	1643.4	1782.4	1916.4
-50°	623.8	719.3	819.9	931.0	1041.9	1150.1	1258.5	1366.8	1483.2	1603.1	1724.1
-52.5°	579.3	656.0	747.8	843.3	946.0	1046.9	1141.5	1235.5	1332.7	1430.4	1537.3
-55°	533.3	601.9	675.3	760.6	849.5	943.6	1029.6	1112.1	1192.5	1278.9	1361.0
-57.5°	491.4	548.4	610.0	679.6	758.5	838.0	917.9	991.8	1064.8	1136.0	1204.1
-60°	451.9	497.1	548.5	606.5	668.9	739.7	807.6	876.4	940.8	999.2	1059.5
-62.5°	411.3	448.6	489.2	536.5	590.0	643.2	702.9	763.3	822.1	873.7	921.4
-65°	367.2	398.2	431.7	469.6	511.5	556.5	603.3	651.5	703.8	747.5	787.5
-67.5°	321.0	347.5	374.2	402.2	436.1	471.5	506.6	546.8	588.0	624.4	657.0
-70°	267.9	295.3	318.0	340.2	362.8	389.3	418.9	448.1	478.2	511.0	542.6
-72.5°	213.6	238.5	260.2	278.6	295.2	312.9	332.6	354.3	381.2	411.0	438.1
-75°	162.7	182.3	201.7	218.6	230.5	239.3	247.5	260.7	286.2	315.9	341.8
-77.5°	114.5	132.3	147.8	161.0	168.1	174.4	179.5	183.5	203.0	228.5	253.8
-80°	72.2	82.8	96.8	109.3	114.7	117.5	118.8	118.6	133.7	153.9	175.2
-82.5°	40.5	48.9	56.9	64.5	66.4	66.4	65.8	66.0	78.0	91.7	105.8
-85°	13.0	15.0	20.8	26.4	29.1	30.7	31.5	31.3	36.5	42.4	48.8
-87.5°	6.5	7.5	8.5	9.6	9.7	9.6	9.6	9.4	9.8	10.2	10.6
-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: P627191 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.9	11.2	11.5	11.8	12.1	12.3	12.5	12.7	12.8	12.2	11.5
85°	55.6	59.6	63.2	66.8	70.1	73.3	76.3	79.0	81.6	74.5	66.7
82.5°	120.1	129.8	139.0	148.1	157.1	159.4	160.1	159.8	158.5	146.1	132.3
80°	196.2	212.5	227.8	243.1	258.2	259.9	258.1	255.0	250.6	234.3	215.9
77.5°	279.0	299.6	317.6	334.1	349.1	351.9	351.5	350.7	349.5	332.8	312.7
75°	364.0	384.1	403.5	420.0	433.8	440.1	443.2	445.4	446.6	434.7	419.0
72.5°	462.6	483.5	500.7	516.7	530.2	540.0	547.0	552.3	556.0	552.3	545.9
70°	569.6	592.0	610.9	629.0	647.3	662.1	673.2	681.2	686.3	689.7	692.1
67.5°	690.0	720.1	746.4	768.8	791.0	811.9	829.0	842.9	853.7	862.9	870.0
65°	825.6	864.1	898.3	929.6	958.4	988.6	1013.4	1034.2	1050.9	1064.8	1075.9
62.5°	968.3	1015.5	1059.3	1101.8	1143.5	1184.5	1216.0	1244.7	1270.2	1292.1	1309.5
60°	1116.5	1170.1	1228.9	1285.0	1336.7	1383.9	1430.8	1471.4	1506.1	1535.0	1558.2
57.5°	1275.8	1345.3	1414.0	1483.7	1549.6	1611.2	1668.9	1719.9	1762.9	1798.2	1827.8
55°	1447.9	1534.8	1614.5	1702.4	1787.4	1864.9	1933.0	1992.8	2044.6	2087.9	2124.7
52.5°	1637.1	1742.7	1846.3	1946.3	2042.8	2132.6	2214.2	2283.9	2345.9	2399.0	2441.4
50°	1844.2	1965.0	2085.0	2196.3	2307.2	2410.6	2504.1	2585.0	2657.2	2719.6	2768.8
47.5°	2060.8	2198.2	2332.3	2459.7	2582.4	2697.4	2798.6	2890.8	2980.8	3054.1	3112.2
45°	2285.6	2439.8	2587.7	2733.4	2868.5	2997.4	3122.2	3237.0	3329.4	3410.2	3478.1
42.5°	2513.3	2685.2	2850.8	3009.8	3158.3	3307.3	3447.8	3573.4	3678.7	3770.6	3847.7
40°	2743.8	2932.1	3114.6	3287.8	3457.7	3620.2	3772.1	3904.5	4023.2	4132.4	4223.3
37.5°	2973.2	3180.3	3382.5	3576.6	3763.6	3939.6	4103.8	4253.4	4387.4	4511.7	4612.7
35°	3203.6	3430.9	3652.2	3865.8	4070.1	4264.3	4444.0	4614.2	4772.2	4898.1	5001.4
32.5°	3433.1	3677.4	3918.3	4153.5	4377.1	4586.4	4781.2	4969.3	5131.7	5270.2	5389.0
30°	3655.2	3919.9	4182.2	4437.2	4678.7	4905.6	5121.2	5320.1	5494.8	5646.2	5779.5
27.5°	3873.2	4157.5	4439.0	4711.4	4972.4	5219.0	5454.4	5670.0	5860.7	6025.2	6165.7
25°	4079.1	4384.8	4684.8	4973.6	5252.5	5524.4	5778.6	6013.9	6217.6	6398.2	6542.6
22.5°	4276.0	4601.9	4917.1	5220.9	5519.3	5812.4	6090.6	6336.4	6552.2	6741.1	6900.8
20°	4459.3	4808.6	5131.0	5452.4	5766.6	6079.7	6378.3	6637.7	6866.0	7067.1	7243.2
17.5°	4630.7	4988.9	5328.4	5670.6	6001.9	6330.2	6633.6	6911.6	7158.0	7371.5	7555.9
15°	4775.8	5137.6	5508.3	5873.7	6223.0	6555.4	6858.6	7148.9	7422.5	7653.4	7840.4
12.5°	4893.3	5269.5	5656.3	6044.2	6413.5	6745.6	7063.0	7357.5	7644.8	7904.2	8076.1
10°	4993.4	5380.8	5780.2	6175.7	6550.0	6901.3	7246.4	7557.8	7840.1	8072.4	8264.3
7.5°	5080.0	5479.1	5884.6	6280.8	6653.9	7016.9	7372.1	7702.8	7987.9	8206.7	8377.9
5°	5143.9	5552.4	5965.8	6365.6	6743.9	7108.1	7464.9	7791.5	8069.7	8292.4	8479.1
2.5°	5189.5	5601.9	6018.3	6418.6	6805.3	7170.4	7536.2	7866.4	8135.9	8339.8	8518.6
0°	5218.8	5631.7	6051.4	6461.0	6840.7	7193.7	7586.7	7896.4	8176.2	8379.4	8565.9
-2.5°	5189.5	5601.9	6018.3	6418.6	6805.3	7170.4	7536.2	7866.4	8135.9	8339.8	8518.6
-5°	5143.9	5552.4	5965.8	6365.6	6743.9	7108.1	7464.9	7791.5	8069.7	8292.4	8479.1
-7.5°	5080.0	5479.1	5884.6	6280.8	6653.9	7016.9	7372.1	7702.8	7987.9	8206.7	8377.9
-10°	4993.4	5380.8	5780.2	6175.7	6550.0	6901.3	7246.4	7557.8	7840.1	8072.4	8264.3
-12.5°	4893.3	5269.5	5656.3	6044.2	6413.5	6745.6	7063.0	7357.5	7644.8	7904.2	8076.1
-15°	4775.8	5137.6	5508.3	5873.7	6223.0	6555.4	6858.6	7148.9	7422.5	7653.4	7840.4
-17.5°	4630.7	4988.9	5328.4	5670.6	6001.9	6330.2	6633.6	6911.6	7158.0	7371.5	7555.9
-20°	4459.3	4808.6	5131.0	5452.4	5766.6	6079.7	6378.3	6637.7	6866.0	7067.1	7243.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627191 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4276.0	4601.9	4917.1	5220.9	5519.3	5812.4	6090.6	6336.4	6552.2	6741.1	6900.8
-25°	4079.1	4384.8	4684.8	4973.6	5252.5	5524.4	5778.6	6013.9	6217.6	6398.2	6542.6
-27.5°	3873.2	4157.5	4439.0	4711.4	4972.4	5219.0	5454.4	5670.0	5860.7	6025.2	6165.7
-30°	3655.2	3919.9	4182.2	4437.2	4678.7	4905.6	5121.2	5320.1	5494.8	5646.2	5779.5
-32.5°	3433.1	3677.4	3918.3	4153.5	4377.1	4586.4	4781.2	4969.3	5131.7	5270.2	5389.0
-35°	3203.6	3430.9	3652.2	3865.8	4070.1	4264.3	4444.0	4614.2	4772.2	4898.1	5001.4
-37.5°	2973.2	3180.3	3382.5	3576.6	3763.6	3939.6	4103.8	4253.4	4387.4	4511.7	4612.7
-40°	2743.8	2932.1	3114.6	3287.8	3457.7	3620.2	3772.1	3904.5	4023.2	4132.4	4223.3
-42.5°	2513.3	2685.2	2850.8	3009.8	3158.3	3307.3	3447.8	3573.4	3678.7	3770.6	3847.7
-45°	2285.6	2439.8	2587.7	2733.4	2868.5	2997.4	3122.2	3237.0	3329.4	3410.2	3478.1
-47.5°	2060.8	2198.2	2332.3	2459.7	2582.4	2697.4	2798.6	2890.8	2980.8	3054.1	3112.2
-50°	1844.2	1965.0	2085.0	2196.3	2307.2	2410.6	2504.1	2585.0	2657.2	2719.6	2768.8
-52.5°	1637.1	1742.7	1846.3	1946.3	2042.8	2132.6	2214.2	2283.9	2345.9	2399.0	2441.4
-55°	1447.9	1534.8	1614.5	1702.4	1787.4	1864.9	1933.0	1992.8	2044.6	2087.9	2124.7
-57.5°	1275.8	1345.3	1414.0	1483.7	1549.6	1611.2	1668.9	1719.9	1762.9	1798.2	1827.8
-60°	1116.5	1170.1	1228.9	1285.0	1336.7	1383.9	1430.8	1471.4	1506.1	1535.0	1558.2
-62.5°	968.3	1015.5	1059.3	1101.8	1143.5	1184.5	1216.0	1244.7	1270.2	1292.1	1309.5
-65°	825.6	864.1	898.3	929.6	958.4	988.6	1013.4	1034.2	1050.9	1064.8	1075.9
-67.5°	690.0	720.1	746.4	768.8	791.0	811.9	829.0	842.9	853.7	862.9	870.0
-70°	569.6	592.0	610.9	629.0	647.3	662.1	673.2	681.2	686.3	689.7	692.1
-72.5°	462.6	483.5	500.7	516.7	530.2	540.0	547.0	552.3	556.0	552.3	545.9
-75°	364.0	384.1	403.5	420.0	433.8	440.1	443.2	445.4	446.6	434.7	419.0
-77.5°	279.0	299.6	317.6	334.1	349.1	351.9	351.5	350.7	349.5	332.8	312.7
-80°	196.2	212.5	227.8	243.1	258.2	259.9	258.1	255.0	250.6	234.3	215.9
-82.5°	120.1	129.8	139.0	148.1	157.1	159.4	160.1	159.8	158.5	146.1	132.3
-85°	55.6	59.6	63.2	66.8	70.1	73.3	76.3	79.0	81.6	74.5	66.7
-87.5°	10.9	11.2	11.5	11.8	12.1	12.3	12.5	12.7	12.8	12.2	11.5
-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: P627191 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.7	10.0	10.0	10.0	10.0	10.0	10.7	11.5	12.2	12.8	12.7
85°	58.4	49.8	46.6	43.3	46.6	49.8	58.4	66.7	74.5	81.6	79.0
82.5°	117.9	102.9	98.1	93.3	98.1	102.9	117.9	132.3	146.1	158.5	159.8
80°	196.4	176.0	168.1	159.9	168.1	176.0	196.4	215.9	234.3	250.6	255.0
77.5°	291.5	269.2	259.6	249.8	259.6	269.2	291.5	312.7	332.8	349.5	350.7
75°	402.5	385.0	374.4	363.0	374.4	385.0	402.5	419.0	434.7	446.6	445.4
72.5°	538.6	530.1	522.4	512.9	522.4	530.1	538.6	545.9	552.3	556.0	552.3
70°	692.9	691.8	693.2	692.7	693.2	691.8	692.9	692.1	689.7	686.3	681.2
67.5°	873.6	873.8	877.5	879.2	877.5	873.8	873.6	870.0	862.9	853.7	842.9
65°	1082.7	1085.3	1084.3	1079.1	1084.3	1085.3	1082.7	1075.9	1064.8	1050.9	1034.2
62.5°	1321.9	1329.1	1333.1	1332.2	1333.1	1329.1	1321.9	1309.5	1292.1	1270.2	1244.7
60°	1575.6	1586.8	1592.5	1591.9	1592.5	1586.8	1575.6	1558.2	1535.0	1506.1	1471.4
57.5°	1849.9	1864.4	1867.8	1861.7	1867.8	1864.4	1849.9	1827.8	1798.2	1762.9	1719.9
55°	2152.5	2171.0	2178.2	2174.8	2178.2	2171.0	2152.5	2124.7	2087.9	2044.6	1992.8
52.5°	2472.5	2492.5	2499.6	2494.5	2499.6	2492.5	2472.5	2441.4	2399.0	2345.9	2283.9
50°	2804.8	2829.0	2838.8	2834.2	2838.8	2829.0	2804.8	2768.8	2719.6	2657.2	2585.0
47.5°	3157.6	3189.9	3202.4	3193.9	3202.4	3189.9	3157.6	3112.2	3054.1	2980.8	2890.8
45°	3528.9	3562.3	3575.2	3566.9	3575.2	3562.3	3528.9	3478.1	3410.2	3329.4	3237.0
42.5°	3906.7	3950.1	3968.5	3953.2	3968.5	3950.1	3906.7	3847.7	3770.6	3678.7	3573.4
40°	4291.2	4338.4	4360.1	4349.5	4360.1	4338.4	4291.2	4223.3	4132.4	4023.2	3904.5
37.5°	4685.6	4732.5	4755.6	4755.8	4755.6	4732.5	4685.6	4612.7	4511.7	4387.4	4253.4
35°	5081.5	5138.3	5170.4	5168.8	5170.4	5138.3	5081.5	5001.4	4898.1	4772.2	4614.2
32.5°	5482.9	5544.4	5577.2	5581.8	5577.2	5544.4	5482.9	5389.0	5270.2	5131.7	4969.3
30°	5883.6	5951.2	5989.2	6004.8	5989.2	5951.2	5883.6	5779.5	5646.2	5494.8	5320.1
27.5°	6272.2	6355.4	6412.8	6417.7	6412.8	6355.4	6272.2	6165.7	6025.2	5860.7	5670.0
25°	6648.5	6733.2	6792.1	6804.1	6792.1	6733.2	6648.5	6542.6	6398.2	6217.6	6013.9
22.5°	7019.5	7108.0	7162.3	7183.7	7162.3	7108.0	7019.5	6900.8	6741.1	6552.2	6336.4
20°	7373.6	7469.5	7527.1	7550.1	7527.1	7469.5	7373.6	7243.2	7067.1	6866.0	6637.7
17.5°	7694.0	7795.3	7866.4	7886.4	7866.4	7795.3	7694.0	7555.9	7371.5	7158.0	6911.6
15°	7975.9	8072.0	8139.5	8166.2	8139.5	8072.0	7975.9	7840.4	7653.4	7422.5	7148.9
12.5°	8205.3	8291.3	8344.3	8369.4	8344.3	8291.3	8205.3	8076.1	7904.2	7644.8	7357.5
10°	8384.7	8470.9	8521.4	8555.9	8521.4	8470.9	8384.7	8264.3	8072.4	7840.1	7557.8
7.5°	8540.2	8628.6	8690.4	8739.0	8690.4	8628.6	8540.2	8377.9	8206.7	7987.9	7702.8
5°	8626.1	8773.7	8795.9	8829.0	8795.9	8773.7	8626.1	8479.1	8292.4	8069.7	7791.5
2.5°	8691.7	8796.3	8859.2	8852.3	8859.2	8796.3	8691.7	8518.6	8339.8	8135.9	7866.4
0°	8739.0	8832.3	8855.6	8885.6	8855.6	8832.3	8739.0	8565.9	8379.4	8176.2	7896.4
-2.5°	8691.7	8796.3	8859.2	8852.3	8859.2	8796.3	8691.7	8518.6	8339.8	8135.9	7866.4
-5°	8626.1	8773.7	8795.9	8829.0	8795.9	8773.7	8626.1	8479.1	8292.4	8069.7	7791.5
-7.5°	8540.2	8628.6	8690.4	8739.0	8690.4	8628.6	8540.2	8377.9	8206.7	7987.9	7702.8
-10°	8384.7	8470.9	8521.4	8555.9	8521.4	8470.9	8384.7	8264.3	8072.4	7840.1	7557.8
-12.5°	8205.3	8291.3	8344.3	8369.4	8344.3	8291.3	8205.3	8076.1	7904.2	7644.8	7357.5
-15°	7975.9	8072.0	8139.5	8166.2	8139.5	8072.0	7975.9	7840.4	7653.4	7422.5	7148.9
-17.5°	7694.0	7795.3	7866.4	7886.4	7866.4	7795.3	7694.0	7555.9	7371.5	7158.0	6911.6
-20°	7373.6	7469.5	7527.1	7550.1	7527.1	7469.5	7373.6	7243.2	7067.1	6866.0	6637.7



REPORT NUMBER: P627191 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7019.5	7108.0	7162.3	7183.7	7162.3	7108.0	7019.5	6900.8	6741.1	6552.2	6336.4
-25°	6648.5	6733.2	6792.1	6804.1	6792.1	6733.2	6648.5	6542.6	6398.2	6217.6	6013.9
-27.5°	6272.2	6355.4	6412.8	6417.7	6412.8	6355.4	6272.2	6165.7	6025.2	5860.7	5670.0
-30°	5883.6	5951.2	5989.2	6004.8	5989.2	5951.2	5883.6	5779.5	5646.2	5494.8	5320.1
-32.5°	5482.9	5544.4	5577.2	5581.8	5577.2	5544.4	5482.9	5389.0	5270.2	5131.7	4969.3
-35°	5081.5	5138.3	5170.4	5168.8	5170.4	5138.3	5081.5	5001.4	4898.1	4772.2	4614.2
-37.5°	4685.6	4732.5	4755.6	4755.8	4755.6	4732.5	4685.6	4612.7	4511.7	4387.4	4253.4
-40°	4291.2	4338.4	4360.1	4349.5	4360.1	4338.4	4291.2	4223.3	4132.4	4023.2	3904.5
-42.5°	3906.7	3950.1	3968.5	3953.2	3968.5	3950.1	3906.7	3847.7	3770.6	3678.7	3573.4
-45°	3528.9	3562.3	3575.2	3566.9	3575.2	3562.3	3528.9	3478.1	3410.2	3329.4	3237.0
-47.5°	3157.6	3189.9	3202.4	3193.9	3202.4	3189.9	3157.6	3112.2	3054.1	2980.8	2890.8
-50°	2804.8	2829.0	2838.8	2834.2	2838.8	2829.0	2804.8	2768.8	2719.6	2657.2	2585.0
-52.5°	2472.5	2492.5	2499.6	2494.5	2499.6	2492.5	2472.5	2441.4	2399.0	2345.9	2283.9
-55°	2152.5	2171.0	2178.2	2174.8	2178.2	2171.0	2152.5	2124.7	2087.9	2044.6	1992.8
-57.5°	1849.9	1864.4	1867.8	1861.7	1867.8	1864.4	1849.9	1827.8	1798.2	1762.9	1719.9
-60°	1575.6	1586.8	1592.5	1591.9	1592.5	1586.8	1575.6	1558.2	1535.0	1506.1	1471.4
-62.5°	1321.9	1329.1	1333.1	1332.2	1333.1	1329.1	1321.9	1309.5	1292.1	1270.2	1244.7
-65°	1082.7	1085.3	1084.3	1079.1	1084.3	1085.3	1082.7	1075.9	1064.8	1050.9	1034.2
-67.5°	873.6	873.8	877.5	879.2	877.5	873.8	873.6	870.0	862.9	853.7	842.9
-70°	692.9	691.8	693.2	692.7	693.2	691.8	692.9	692.1	689.7	686.3	681.2
-72.5°	538.6	530.1	522.4	512.9	522.4	530.1	538.6	545.9	552.3	556.0	552.3
-75°	402.5	385.0	374.4	363.0	374.4	385.0	402.5	419.0	434.7	446.6	445.4
-77.5°	291.5	269.2	259.6	249.8	259.6	269.2	291.5	312.7	332.8	349.5	350.7
-80°	196.4	176.0	168.1	159.9	168.1	176.0	196.4	215.9	234.3	250.6	255.0
-82.5°	117.9	102.9	98.1	93.3	98.1	102.9	117.9	132.3	146.1	158.5	159.8
-85°	58.4	49.8	46.6	43.3	46.6	49.8	58.4	66.7	74.5	81.6	79.0
-87.5°	10.7	10.0	10.0	10.0	10.0	10.0	10.7	11.5	12.2	12.8	12.7
-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: P627191 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.5	12.3	12.1	11.8	11.5	11.2	10.9	10.6	10.2	9.8	9.4
85°	76.3	73.3	70.1	66.8	63.2	59.6	55.6	48.8	42.4	36.5	31.3
82.5°	160.1	159.4	157.1	148.1	139.0	129.8	120.1	105.8	91.7	78.0	66.0
80°	258.1	259.9	258.2	243.1	227.8	212.5	196.2	175.2	153.9	133.7	118.6
77.5°	351.5	351.9	349.1	334.1	317.6	299.6	279.0	253.8	228.5	203.0	183.5
75°	443.2	440.1	433.8	420.0	403.5	384.1	364.0	341.8	315.9	286.2	260.7
72.5°	547.0	540.0	530.2	516.7	500.7	483.5	462.6	438.1	411.0	381.2	354.3
70°	673.2	662.1	647.3	629.0	610.9	592.0	569.6	542.6	511.0	478.2	448.1
67.5°	829.0	811.9	791.0	768.8	746.4	720.1	690.0	657.0	624.4	588.0	546.8
65°	1013.4	988.6	958.4	929.6	898.3	864.1	825.6	787.5	747.5	703.8	651.5
62.5°	1216.0	1184.5	1143.5	1101.8	1059.3	1015.5	968.3	921.4	873.7	822.1	763.3
60°	1430.8	1383.9	1336.7	1285.0	1228.9	1170.1	1116.5	1059.5	999.2	940.8	876.4
57.5°	1668.9	1611.2	1549.6	1483.7	1414.0	1345.3	1275.8	1204.1	1136.0	1064.8	991.8
55°	1933.0	1864.9	1787.4	1702.4	1614.5	1534.8	1447.9	1361.0	1278.9	1192.5	1112.1
52.5°	2214.2	2132.6	2042.8	1946.3	1846.3	1742.7	1637.1	1537.3	1430.4	1332.7	1235.5
50°	2504.1	2410.6	2307.2	2196.3	2085.0	1965.0	1844.2	1724.1	1603.1	1483.2	1366.8
47.5°	2798.6	2697.4	2582.4	2459.7	2332.3	2198.2	2060.8	1916.4	1782.4	1643.4	1511.1
45°	3122.2	2997.4	2868.5	2733.4	2587.7	2439.8	2285.6	2127.5	1966.4	1813.5	1658.4
42.5°	3447.8	3307.3	3158.3	3009.8	2850.8	2685.2	2513.3	2339.0	2161.9	1985.6	1816.1
40°	3772.1	3620.2	3457.7	3287.8	3114.6	2932.1	2743.8	2550.0	2357.6	2163.7	1972.0
37.5°	4103.8	3939.6	3763.6	3576.6	3382.5	3180.3	2973.2	2763.4	2551.3	2342.6	2134.6
35°	4444.0	4264.3	4070.1	3865.8	3652.2	3430.9	3203.6	2973.8	2745.7	2520.0	2294.6
32.5°	4781.2	4586.4	4377.1	4153.5	3918.3	3677.4	3433.1	3185.0	2935.3	2694.3	2454.3
30°	5121.2	4905.6	4678.7	4437.2	4182.2	3919.9	3655.2	3392.3	3126.2	2861.1	2607.2
27.5°	5454.4	5219.0	4972.4	4711.4	4439.0	4157.5	3873.2	3592.6	3308.7	3026.8	2753.1
25°	5778.6	5524.4	5252.5	4973.6	4684.8	4384.8	4079.1	3782.3	3485.9	3184.2	2884.1
22.5°	6090.6	5812.4	5519.3	5220.9	4917.1	4601.9	4276.0	3956.0	3649.3	3325.3	3011.7
20°	6378.3	6079.7	5766.6	5452.4	5131.0	4808.6	4459.3	4119.0	3789.1	3456.5	3127.3
17.5°	6633.6	6330.2	6001.9	5670.6	5328.4	4988.9	4630.7	4267.3	3917.7	3573.0	3229.2
15°	6858.6	6555.4	6223.0	5873.7	5508.3	5137.6	4775.8	4398.4	4035.0	3676.0	3323.3
12.5°	7063.0	6745.6	6413.5	6044.2	5656.3	5269.5	4893.3	4513.2	4139.2	3770.2	3408.0
10°	7246.4	6901.3	6550.0	6175.7	5780.2	5380.8	4993.4	4609.8	4227.9	3850.8	3477.8
7.5°	7372.1	7016.9	6653.9	6280.8	5884.6	5479.1	5080.0	4687.3	4297.1	3915.1	3532.3
5°	7464.9	7108.1	6743.9	6365.6	5965.8	5552.4	5143.9	4743.6	4346.4	3962.1	3571.1
2.5°	7536.2	7170.4	6805.3	6418.6	6018.3	5601.9	5189.5	4785.9	4385.5	3996.5	3605.4
0°	7586.7	7193.7	6840.7	6461.0	6051.4	5631.7	5218.8	4812.5	4409.5	4013.2	3623.5
-2.5°	7536.2	7170.4	6805.3	6418.6	6018.3	5601.9	5189.5	4785.9	4385.5	3996.5	3605.4
-5°	7464.9	7108.1	6743.9	6365.6	5965.8	5552.4	5143.9	4743.6	4346.4	3962.1	3571.1
-7.5°	7372.1	7016.9	6653.9	6280.8	5884.6	5479.1	5080.0	4687.3	4297.1	3915.1	3532.3
-10°	7246.4	6901.3	6550.0	6175.7	5780.2	5380.8	4993.4	4609.8	4227.9	3850.8	3477.8
-12.5°	7063.0	6745.6	6413.5	6044.2	5656.3	5269.5	4893.3	4513.2	4139.2	3770.2	3408.0
-15°	6858.6	6555.4	6223.0	5873.7	5508.3	5137.6	4775.8	4398.4	4035.0	3676.0	3323.3
-17.5°	6633.6	6330.2	6001.9	5670.6	5328.4	4988.9	4630.7	4267.3	3917.7	3573.0	3229.2
-20°	6378.3	6079.7	5766.6	5452.4	5131.0	4808.6	4459.3	4119.0	3789.1	3456.5	3127.3



REPORT NUMBER: P627191 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6090.6	5812.4	5519.3	5220.9	4917.1	4601.9	4276.0	3956.0	3649.3	3325.3	3011.7
-25°	5778.6	5524.4	5252.5	4973.6	4684.8	4384.8	4079.1	3782.3	3485.9	3184.2	2884.1
-27.5°	5454.4	5219.0	4972.4	4711.4	4439.0	4157.5	3873.2	3592.6	3308.7	3026.8	2753.1
-30°	5121.2	4905.6	4678.7	4437.2	4182.2	3919.9	3655.2	3392.3	3126.2	2861.1	2607.2
-32.5°	4781.2	4586.4	4377.1	4153.5	3918.3	3677.4	3433.1	3185.0	2935.3	2694.3	2454.3
-35°	4444.0	4264.3	4070.1	3865.8	3652.2	3430.9	3203.6	2973.8	2745.7	2520.0	2294.6
-37.5°	4103.8	3939.6	3763.6	3576.6	3382.5	3180.3	2973.2	2763.4	2551.3	2342.6	2134.6
-40°	3772.1	3620.2	3457.7	3287.8	3114.6	2932.1	2743.8	2550.0	2357.6	2163.7	1972.0
-42.5°	3447.8	3307.3	3158.3	3009.8	2850.8	2685.2	2513.3	2339.0	2161.9	1985.6	1816.1
-45°	3122.2	2997.4	2868.5	2733.4	2587.7	2439.8	2285.6	2127.5	1966.4	1813.5	1658.4
-47.5°	2798.6	2697.4	2582.4	2459.7	2332.3	2198.2	2060.8	1916.4	1782.4	1643.4	1511.1
-50°	2504.1	2410.6	2307.2	2196.3	2085.0	1965.0	1844.2	1724.1	1603.1	1483.2	1366.8
-52.5°	2214.2	2132.6	2042.8	1946.3	1846.3	1742.7	1637.1	1537.3	1430.4	1332.7	1235.5
-55°	1933.0	1864.9	1787.4	1702.4	1614.5	1534.8	1447.9	1361.0	1278.9	1192.5	1112.1
-57.5°	1668.9	1611.2	1549.6	1483.7	1414.0	1345.3	1275.8	1204.1	1136.0	1064.8	991.8
-60°	1430.8	1383.9	1336.7	1285.0	1228.9	1170.1	1116.5	1059.5	999.2	940.8	876.4
-62.5°	1216.0	1184.5	1143.5	1101.8	1059.3	1015.5	968.3	921.4	873.7	822.1	763.3
-65°	1013.4	988.6	958.4	929.6	898.3	864.1	825.6	787.5	747.5	703.8	651.5
-67.5°	829.0	811.9	791.0	768.8	746.4	720.1	690.0	657.0	624.4	588.0	546.8
-70°	673.2	662.1	647.3	629.0	610.9	592.0	569.6	542.6	511.0	478.2	448.1
-72.5°	547.0	540.0	530.2	516.7	500.7	483.5	462.6	438.1	411.0	381.2	354.3
-75°	443.2	440.1	433.8	420.0	403.5	384.1	364.0	341.8	315.9	286.2	260.7
-77.5°	351.5	351.9	349.1	334.1	317.6	299.6	279.0	253.8	228.5	203.0	183.5
-80°	258.1	259.9	258.2	243.1	227.8	212.5	196.2	175.2	153.9	133.7	118.6
-82.5°	160.1	159.4	157.1	148.1	139.0	129.8	120.1	105.8	91.7	78.0	66.0
-85°	76.3	73.3	70.1	66.8	63.2	59.6	55.6	48.8	42.4	36.5	31.3
-87.5°	12.5	12.3	12.1	11.8	11.5	11.2	10.9	10.6	10.2	9.8	9.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P627191 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.6	9.6	9.7	9.6	8.5	7.5	6.5	5.6	5.1	4.5	4.0
85°	31.5	30.7	29.1	26.4	20.8	15.0	13.0	11.2	10.2	9.1	8.0
82.5°	65.8	66.4	66.4	64.5	56.9	48.9	40.5	31.9	23.6	15.0	12.0
80°	118.8	117.5	114.7	109.3	96.8	82.8	72.2	61.2	50.5	39.3	27.6
77.5°	179.5	174.4	168.1	161.0	147.8	132.3	114.5	94.3	77.2	63.4	49.1
75°	247.5	239.3	230.5	218.6	201.7	182.3	162.7	139.2	113.0	88.3	70.4
72.5°	332.6	312.9	295.2	278.6	260.2	238.5	213.6	183.2	151.4	121.4	93.3
70°	418.9	389.3	362.8	340.2	318.0	295.3	267.9	230.5	189.2	153.8	120.7
67.5°	506.6	471.5	436.1	402.2	374.2	347.5	321.0	277.6	230.2	185.5	147.5
65°	603.3	556.5	511.5	469.6	431.7	398.2	367.2	321.6	270.0	219.8	173.5
62.5°	702.9	643.2	590.0	536.5	489.2	448.6	411.3	361.0	308.0	252.9	200.8
60°	807.6	739.7	668.9	606.5	548.5	497.1	451.9	399.8	343.6	284.8	227.8
57.5°	917.9	838.0	758.5	679.6	610.0	548.4	491.4	436.6	378.6	316.2	253.0
55°	1029.6	943.6	849.5	760.6	675.3	601.9	533.3	472.0	412.3	347.1	274.8
52.5°	1141.5	1046.9	946.0	843.3	747.8	656.0	579.3	506.4	443.5	377.2	297.4
50°	1258.5	1150.1	1041.9	931.0	819.9	719.3	623.8	545.9	473.6	405.9	318.9
47.5°	1380.3	1259.5	1139.1	1017.9	898.7	779.9	675.7	584.6	502.9	431.9	338.9
45°	1513.8	1372.6	1239.3	1108.2	973.4	845.4	728.2	621.6	535.9	452.1	357.3
42.5°	1647.2	1491.9	1343.0	1197.1	1051.6	910.4	777.9	665.2	567.6	471.4	374.3
40°	1789.1	1611.6	1446.5	1288.3	1128.0	972.3	833.1	707.6	597.2	491.5	390.3
37.5°	1927.0	1734.3	1552.9	1375.3	1202.8	1039.2	886.1	747.4	625.3	514.1	405.5
35°	2073.0	1857.6	1651.2	1462.9	1279.8	1102.6	935.8	787.5	657.6	536.0	419.9
32.5°	2214.1	1978.1	1756.8	1549.3	1353.3	1162.3	986.9	830.0	688.7	557.4	433.3
30°	2352.8	2099.1	1858.0	1631.0	1424.5	1225.0	1038.0	869.8	718.5	577.9	446.7
27.5°	2480.6	2211.2	1955.0	1715.5	1494.5	1284.4	1086.4	906.6	746.7	599.1	462.3
25°	2599.6	2319.0	2050.6	1796.8	1559.5	1340.7	1131.0	940.7	775.4	621.2	476.7
22.5°	2711.4	2419.1	2137.3	1871.7	1619.7	1392.4	1174.4	977.0	802.6	641.5	490.0
20°	2812.9	2509.3	2214.9	1939.5	1678.2	1441.7	1216.2	1009.5	826.9	660.0	501.9
17.5°	2904.4	2591.7	2289.0	2003.0	1732.8	1485.5	1253.3	1038.2	848.3	676.4	512.4
15°	2989.3	2666.6	2354.4	2058.3	1780.0	1523.6	1285.6	1063.0	866.5	690.7	522.4
12.5°	3062.3	2730.8	2409.9	2105.4	1819.7	1555.9	1312.9	1083.7	881.7	703.7	531.8
10°	3122.3	2784.0	2455.3	2143.8	1851.9	1582.2	1335.1	1101.1	896.0	714.8	539.1
7.5°	3169.1	2825.5	2490.3	2173.5	1877.4	1604.1	1354.0	1116.2	907.4	723.4	544.1
5°	3204.6	2858.0	2520.7	2198.4	1900.9	1621.9	1367.8	1127.0	915.7	729.3	547.0
2.5°	3236.0	2882.3	2544.6	2214.5	1916.8	1633.4	1376.0	1133.5	920.8	732.5	547.7
0°	3253.8	2894.1	2557.8	2221.4	1925.0	1638.6	1378.8	1135.7	922.5	732.7	546.2
-2.5°	3236.0	2882.3	2544.6	2214.5	1916.8	1633.4	1376.0	1133.5	920.8	732.5	547.7
-5°	3204.6	2858.0	2520.7	2198.4	1900.9	1621.9	1367.8	1127.0	915.7	729.3	547.0
-7.5°	3169.1	2825.5	2490.3	2173.5	1877.4	1604.1	1354.0	1116.2	907.4	723.4	544.1
-10°	3122.3	2784.0	2455.3	2143.8	1851.9	1582.2	1335.1	1101.1	896.0	714.8	539.1
-12.5°	3062.3	2730.8	2409.9	2105.4	1819.7	1555.9	1312.9	1083.7	881.7	703.7	531.8
-15°	2989.3	2666.6	2354.4	2058.3	1780.0	1523.6	1285.6	1063.0	866.5	690.7	522.4
-17.5°	2904.4	2591.7	2289.0	2003.0	1732.8	1485.5	1253.3	1038.2	848.3	676.4	512.4
-20°	2812.9	2509.3	2214.9	1939.5	1678.2	1441.7	1216.2	1009.5	826.9	660.0	501.9



REPORT NUMBER: P627191 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2711.4	2419.1	2137.3	1871.7	1619.7	1392.4	1174.4	977.0	802.6	641.5	490.0
-25°	2599.6	2319.0	2050.6	1796.8	1559.5	1340.7	1131.0	940.7	775.4	621.2	476.7
-27.5°	2480.6	2211.2	1955.0	1715.5	1494.5	1284.4	1086.4	906.6	746.7	599.1	462.3
-30°	2352.8	2099.1	1858.0	1631.0	1424.5	1225.0	1038.0	869.8	718.5	577.9	446.7
-32.5°	2214.1	1978.1	1756.8	1549.3	1353.3	1162.3	986.9	830.0	688.7	557.4	433.3
-35°	2073.0	1857.6	1651.2	1462.9	1279.8	1102.6	935.8	787.5	657.6	536.0	419.9
-37.5°	1927.0	1734.3	1552.9	1375.3	1202.8	1039.2	886.1	747.4	625.3	514.1	405.5
-40°	1789.1	1611.6	1446.5	1288.3	1128.0	972.3	833.1	707.6	597.2	491.5	390.3
-42.5°	1647.2	1491.9	1343.0	1197.1	1051.6	910.4	777.9	665.2	567.6	471.4	374.3
-45°	1513.8	1372.6	1239.3	1108.2	973.4	845.4	728.2	621.6	535.9	452.1	357.3
-47.5°	1380.3	1259.5	1139.1	1017.9	898.7	779.9	675.7	584.6	502.9	431.9	338.9
-50°	1258.5	1150.1	1041.9	931.0	819.9	719.3	623.8	545.9	473.6	405.9	318.9
-52.5°	1141.5	1046.9	946.0	843.3	747.8	656.0	579.3	506.4	443.5	377.2	297.4
-55°	1029.6	943.6	849.5	760.6	675.3	601.9	533.3	472.0	412.3	347.1	274.8
-57.5°	917.9	838.0	758.5	679.6	610.0	548.4	491.4	436.6	378.6	316.2	253.0
-60°	807.6	739.7	668.9	606.5	548.5	497.1	451.9	399.8	343.6	284.8	227.8
-62.5°	702.9	643.2	590.0	536.5	489.2	448.6	411.3	361.0	308.0	252.9	200.8
-65°	603.3	556.5	511.5	469.6	431.7	398.2	367.2	321.6	270.0	219.8	173.5
-67.5°	506.6	471.5	436.1	402.2	374.2	347.5	321.0	277.6	230.2	185.5	147.5
-70°	418.9	389.3	362.8	340.2	318.0	295.3	267.9	230.5	189.2	153.8	120.7
-72.5°	332.6	312.9	295.2	278.6	260.2	238.5	213.6	183.2	151.4	121.4	93.3
-75°	247.5	239.3	230.5	218.6	201.7	182.3	162.7	139.2	113.0	88.3	70.4
-77.5°	179.5	174.4	168.1	161.0	147.8	132.3	114.5	94.3	77.2	63.4	49.1
-80°	118.8	117.5	114.7	109.3	96.8	82.8	72.2	61.2	50.5	39.3	27.6
-82.5°	65.8	66.4	66.4	64.5	56.9	48.9	40.5	31.9	23.6	15.0	12.0
-85°	31.5	30.7	29.1	26.4	20.8	15.0	13.0	11.2	10.2	9.1	8.0
-87.5°	9.6	9.6	9.7	9.6	8.5	7.5	6.5	5.6	5.1	4.5	4.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REPORT NUMBER: P627191 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	2.9	2.3	1.7	1.2	0.5	0.0
85°	6.9	5.8	4.6	3.5	2.3	1.0	0.0
82.5°	10.3	8.6	6.9	5.2	3.5	1.5	0.0
80°	15.5	11.5	9.2	6.9	4.6	2.0	0.0
77.5°	33.8	18.0	11.5	8.6	5.7	2.5	0.0
75°	51.7	31.1	14.9	10.3	6.8	3.0	0.0
72.5°	69.0	43.9	23.8	12.0	7.9	3.5	0.0
70°	86.3	56.2	32.4	14.3	9.0	3.9	0.0
67.5°	107.0	68.0	40.7	19.7	10.0	4.4	0.0
65°	126.8	81.2	48.6	24.8	11.0	4.9	0.0
62.5°	145.7	95.7	56.1	29.6	11.9	5.3	0.0
60°	163.4	109.4	63.1	34.3	12.8	5.7	0.0
57.5°	182.1	122.2	72.5	38.6	15.4	6.1	0.0
55°	199.8	134.1	81.4	42.7	18.0	6.5	0.0
52.5°	216.3	145.5	89.7	46.4	20.4	6.9	0.0
50°	231.3	157.5	97.3	49.8	22.8	7.2	0.0
47.5°	245.4	168.5	104.3	53.4	25.0	7.6	0.0
45°	261.0	178.5	110.5	58.0	27.1	7.9	0.0
42.5°	275.4	187.3	116.1	62.2	29.1	8.2	0.0
40°	288.4	195.0	121.7	66.5	31.0	8.5	0.0
37.5°	300.0	201.6	127.2	70.7	32.7	8.7	0.0
35°	310.3	209.2	131.9	74.6	34.4	9.0	0.0
32.5°	319.8	216.8	135.9	78.3	35.9	9.2	0.0
30°	329.7	223.3	139.1	81.6	37.3	9.4	0.0
27.5°	338.6	228.7	143.8	84.6	38.5	9.5	0.0
25°	346.5	233.0	148.3	87.3	39.6	9.7	0.0
22.5°	353.2	237.2	152.2	89.7	40.6	9.8	0.0
20°	358.7	243.1	155.6	91.8	41.4	9.9	0.0
17.5°	365.6	248.0	158.5	93.5	42.1	10.0	0.0
15°	372.8	251.7	160.7	94.9	42.7	10.1	0.0
12.5°	378.7	254.4	162.5	96.0	43.1	10.1	0.0
10°	383.1	256.1	163.7	96.7	43.4	10.1	0.0
7.5°	386.1	256.8	164.4	97.2	43.6	10.1	0.0
5°	387.7	256.5	164.5	97.3	43.6	10.1	0.0
2.5°	387.8	255.2	164.1	97.1	43.5	10.1	0.0
0°	386.3	253.1	163.2	96.6	43.3	10.0	0.0
-2.5°	387.8	255.2	164.1	97.1	43.5	10.1	0.0
-5°	387.7	256.5	164.5	97.3	43.6	10.1	0.0
-7.5°	386.1	256.8	164.4	97.2	43.6	10.1	0.0
-10°	383.1	256.1	163.7	96.7	43.4	10.1	0.0
-12.5°	378.7	254.4	162.5	96.0	43.1	10.1	0.0
-15°	372.8	251.7	160.7	94.9	42.7	10.1	0.0
-17.5°	365.6	248.0	158.5	93.5	42.1	10.0	0.0
-20°	358.7	243.1	155.6	91.8	41.4	9.9	0.0

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CATALOG NUMBER: GFLD-SA3D-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	353.2	237.2	152.2	89.7	40.6	9.8	0.0
-25°	346.5	233.0	148.3	87.3	39.6	9.7	0.0
-27.5°	338.6	228.7	143.8	84.6	38.5	9.5	0.0
-30°	329.7	223.3	139.1	81.6	37.3	9.4	0.0
-32.5°	319.8	216.8	135.9	78.3	35.9	9.2	0.0
-35°	310.3	209.2	131.9	74.6	34.4	9.0	0.0
-37.5°	300.0	201.6	127.2	70.7	32.7	8.7	0.0
-40°	288.4	195.0	121.7	66.5	31.0	8.5	0.0
-42.5°	275.4	187.3	116.1	62.2	29.1	8.2	0.0
-45°	261.0	178.5	110.5	58.0	27.1	7.9	0.0
-47.5°	245.4	168.5	104.3	53.4	25.0	7.6	0.0
-50°	231.3	157.5	97.3	49.8	22.8	7.2	0.0
-52.5°	216.3	145.5	89.7	46.4	20.4	6.9	0.0
-55°	199.8	134.1	81.4	42.7	18.0	6.5	0.0
-57.5°	182.1	122.2	72.5	38.6	15.4	6.1	0.0
-60°	163.4	109.4	63.1	34.3	12.8	5.7	0.0
-62.5°	145.7	95.7	56.1	29.6	11.9	5.3	0.0
-65°	126.8	81.2	48.6	24.8	11.0	4.9	0.0
-67.5°	107.0	68.0	40.7	19.7	10.0	4.4	0.0
-70°	86.3	56.2	32.4	14.3	9.0	3.9	0.0
-72.5°	69.0	43.9	23.8	12.0	7.9	3.5	0.0
-75°	51.7	31.1	14.9	10.3	6.8	3.0	0.0
-77.5°	33.8	18.0	11.5	8.6	5.7	2.5	0.0
-80°	15.5	11.5	9.2	6.9	4.6	2.0	0.0
-82.5°	10.3	8.6	6.9	5.2	3.5	1.5	0.0
-85°	6.9	5.8	4.6	3.5	2.3	1.0	0.0
-87.5°	3.4	2.9	2.3	1.7	1.2	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)