

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: P627211 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627211 (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-730-U-VWR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N71  
Light Source: (48) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

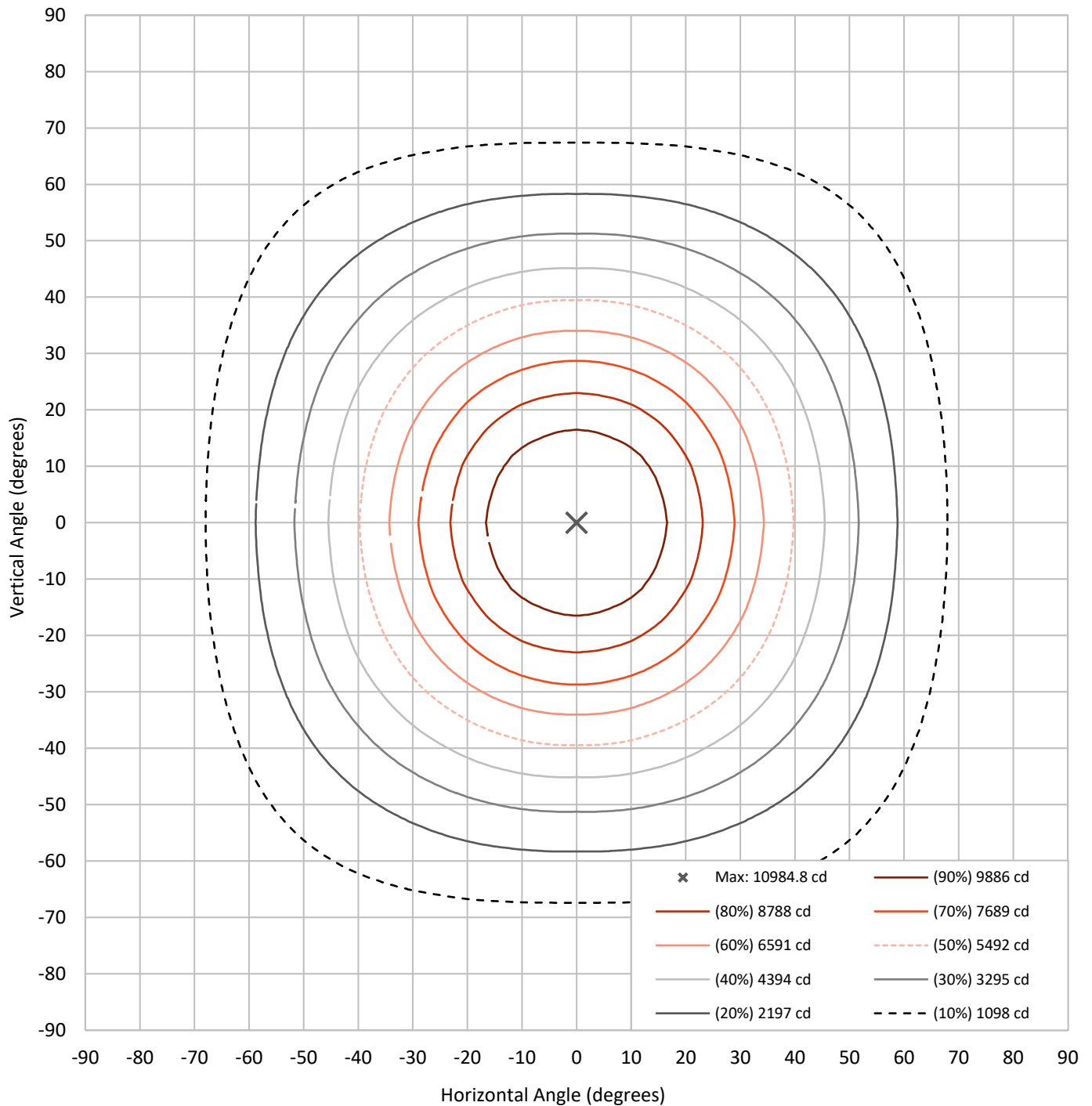
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	19854.1 lumens	Max Intensity:	10984.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	123.9 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:	11644.5 lumens	Field Lumens:	18927.4 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





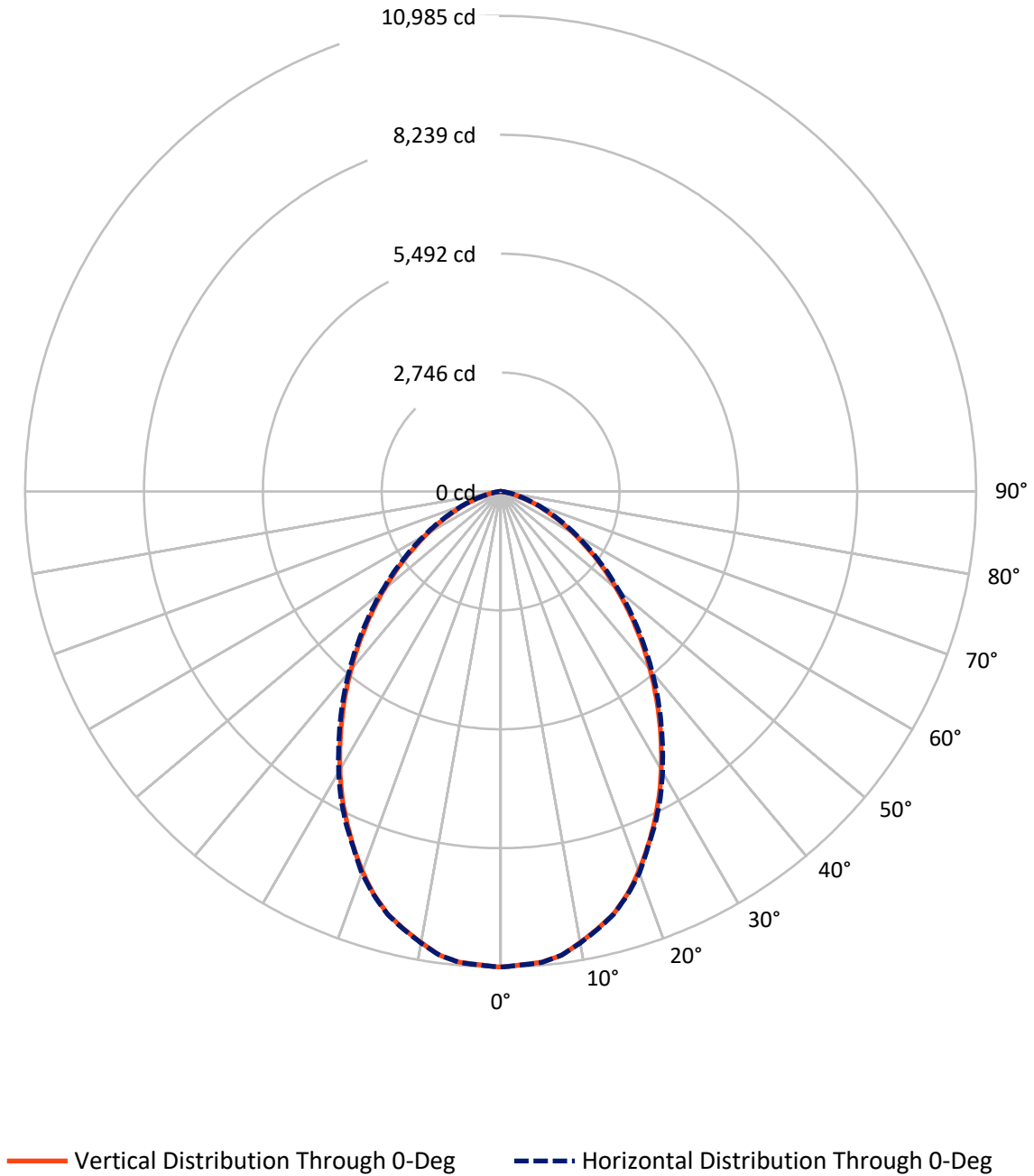
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### Lumen Table

90																			
80	0.7	8.1	22.1	37.6	35.5	37.6	22.1	8.1	0.7										
70																			
60	3.7	5.1	10.3	17.5	25.6	33.1	38.7	41.4	41.4	38.7	33.1	25.6	17.5	10.3	5.1	3.7			
50																			
40	6.5	7.6	16.7	29.8	45.1	61.3	74.6	81.5	81.5	74.6	61.3	45.1	29.8	16.7	7.6	6.5			
30																			
20	8.3	10.3	24.1	44.6	70.6	97.9	120.7	133.2	133.2	120.7	97.9	70.6	44.6	24.1	10.3	8.3			
10																			
0	9.1	13.0	32.0	61.4	98.9	138.6	172.5	191.8	191.8	172.5	138.6	98.9	61.4	32.0	13.0	9.1			
-10																			
-20	8.3	15.5	39.3	77.2	125.9	178.7	224.7	251.2	251.2	224.7	178.7	125.9	77.2	39.3	15.5	8.3			
-30																			
-40	6.5	17.5	45.0	89.0	146.9	211.2	267.8	300.0	300.0	267.8	211.2	146.9	89.0	45.0	17.5	6.5			
-50																			
-60	3.7	18.6	48.2	95.7	158.7	229.2	291.1	325.0	325.0	291.1	229.2	158.7	95.7	48.2	18.6	3.7			
-70																			
-80	0.7	18.6	48.2	95.7	158.7	229.2	291.1	325.0	325.0	291.1	229.2	158.7	95.7	48.2	18.6	0.7			
-90																			

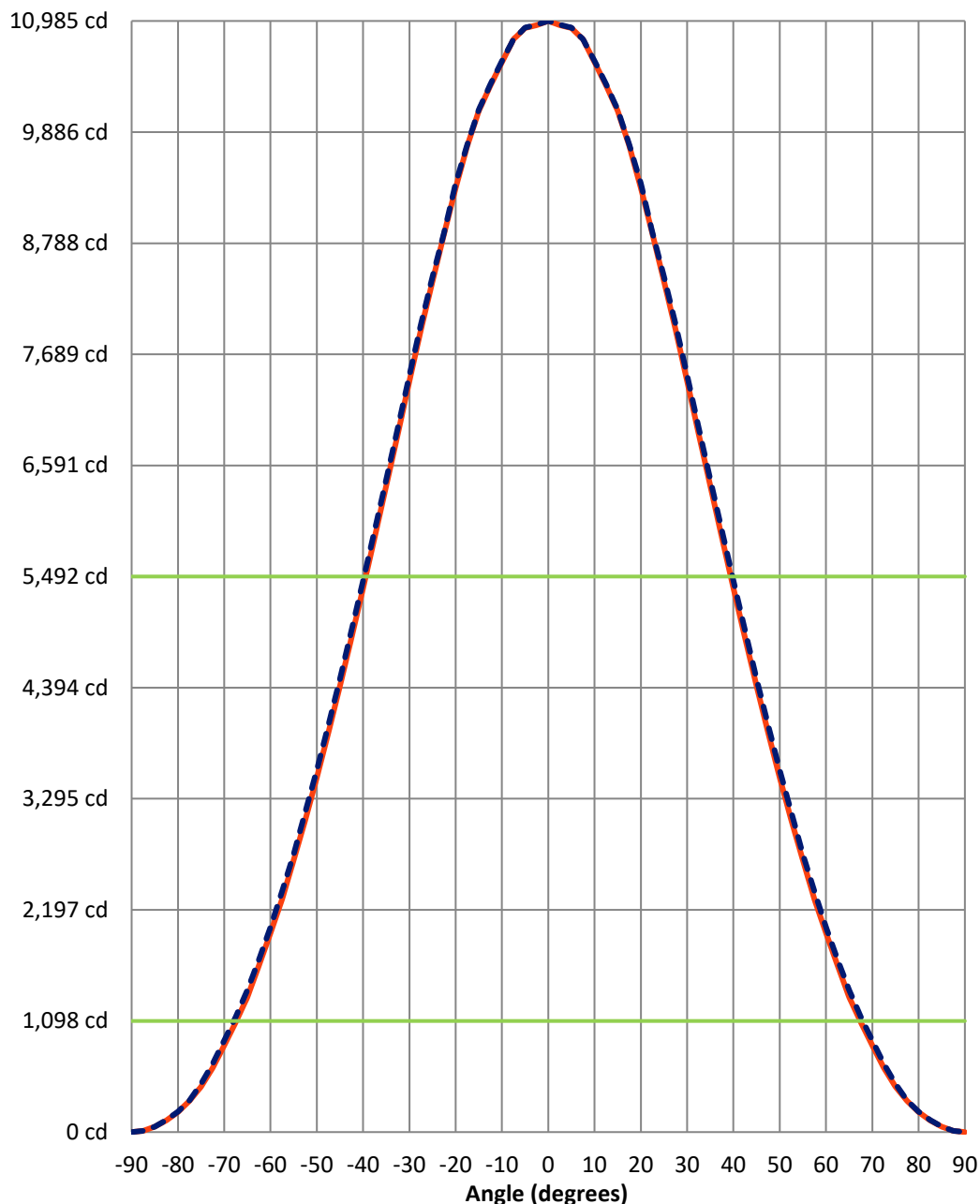
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 79.6°  
 V Angle: 78.9°  
 Lumens: 11644.5  
 Efficiency: 58.7%

**Field:**  
 H Angle: 135.9°  
 V Angle: 134.8°  
 Lumens: 18927.4  
 Efficiency: 95.3%

**Spill:**  
 Lumens: 926.6  
 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	0.6	1.4	2.2	2.9	3.6	4.3	5.0	5.6	6.3	7.0
85°	0.0	1.3	2.9	4.3	5.7	7.1	8.5	9.9	11.3	12.6	13.9
82.5°	0.0	1.9	4.3	6.4	8.6	10.7	12.8	14.8	18.6	29.2	39.4
80°	0.0	2.5	5.7	8.6	11.4	14.2	19.2	34.2	48.6	62.4	75.6
77.5°	0.0	3.1	7.1	10.7	14.2	22.3	41.8	60.7	78.4	95.4	116.5
75°	0.0	3.7	8.5	12.8	18.5	38.5	63.9	87.0	109.1	139.6	172.0
72.5°	0.0	4.3	9.8	14.8	29.5	54.3	85.2	115.2	150.0	187.2	226.5
70°	0.0	4.9	11.1	17.8	40.1	69.5	106.6	149.2	190.1	233.8	284.9
67.5°	0.0	5.5	12.4	24.4	50.3	84.1	132.2	182.3	229.4	284.5	343.1
65°	0.0	6.0	13.6	30.7	60.1	100.4	156.8	214.5	271.7	333.7	397.5
62.5°	0.0	6.6	14.8	36.7	69.3	118.3	180.1	248.2	312.6	380.8	446.3
60°	0.0	7.1	15.9	42.4	78.0	135.2	202.0	281.7	352.0	424.8	494.3
57.5°	0.0	7.6	19.1	47.7	89.5	151.1	225.2	312.8	390.9	468.1	539.9
55°	0.0	8.1	22.3	52.7	100.6	165.8	247.1	339.7	429.1	509.8	583.5
52.5°	0.0	8.5	25.3	57.4	110.8	179.9	267.4	367.7	466.4	548.3	626.1
50°	0.0	9.0	28.2	61.6	120.3	194.8	285.9	394.3	501.9	585.6	674.9
47.5°	0.0	9.4	30.9	66.0	128.9	208.4	303.3	419.0	533.9	621.6	722.7
45°	0.0	9.8	33.5	71.7	136.6	220.6	322.7	441.8	558.9	662.5	768.4
42.5°	0.0	10.2	36.0	76.9	143.5	231.6	340.4	462.7	582.8	701.6	822.3
40°	0.0	10.5	38.3	82.2	150.4	241.1	356.5	482.6	607.6	738.2	874.8
37.5°	0.0	10.8	40.5	87.4	157.2	249.2	371.0	501.4	635.5	773.0	924.0
35°	0.0	11.1	42.5	92.3	163.1	258.6	383.7	519.1	662.6	813.0	973.6
32.5°	0.0	11.4	44.4	96.8	168.0	268.0	395.4	535.6	689.0	851.5	1026.1
30°	0.0	11.6	46.1	100.9	171.9	276.1	407.7	552.2	714.5	888.2	1075.2
27.5°	0.0	11.8	47.6	104.6	177.8	282.7	418.6	571.5	740.6	923.1	1120.8
25°	0.0	12.0	49.0	107.9	183.3	288.0	428.3	589.4	767.9	958.6	1162.9
22.5°	0.0	12.2	50.2	110.9	188.2	293.3	436.6	605.8	793.1	992.2	1207.8
20°	0.0	12.3	51.2	113.4	192.4	300.6	443.4	620.5	815.9	1022.3	1248.0
17.5°	0.0	12.4	52.1	115.6	195.9	306.5	452.0	633.5	836.2	1048.7	1283.5
15°	0.0	12.5	52.8	117.3	198.7	311.2	460.9	645.8	853.9	1071.3	1314.1
12.5°	0.0	12.5	53.3	118.6	200.9	314.5	468.1	657.5	869.9	1090.1	1339.7
10°	0.0	12.6	53.7	119.6	202.3	316.6	473.6	666.4	883.7	1107.7	1361.3
7.5°	0.0	12.6	53.9	120.1	203.2	317.4	477.4	672.7	894.3	1121.9	1379.9
5°	0.0	12.5	53.9	120.3	203.3	317.1	479.3	676.3	901.6	1132.1	1393.3
2.5°	0.0	12.5	53.8	120.0	202.8	315.5	479.4	677.1	905.5	1138.4	1401.3
0°	0.0	12.4	53.5	119.4	201.7	312.9	477.6	675.2	905.8	1140.5	1404.0
-2.5°	0.0	12.5	53.8	120.0	202.8	315.5	479.4	677.1	905.5	1138.4	1401.3
-5°	0.0	12.5	53.9	120.3	203.3	317.1	479.3	676.3	901.6	1132.1	1393.3
-7.5°	0.0	12.6	53.9	120.1	203.2	317.4	477.4	672.7	894.3	1121.9	1379.9
-10°	0.0	12.6	53.7	119.6	202.3	316.6	473.6	666.4	883.7	1107.7	1361.3
-12.5°	0.0	12.5	53.3	118.6	200.9	314.5	468.1	657.5	869.9	1090.1	1339.7
-15°	0.0	12.5	52.8	117.3	198.7	311.2	460.9	645.8	853.9	1071.3	1314.1
-17.5°	0.0	12.4	52.1	115.6	195.9	306.5	452.0	633.5	836.2	1048.7	1283.5
-20°	0.0	12.3	51.2	113.4	192.4	300.6	443.4	620.5	815.9	1022.3	1248.0

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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°	0.0	12.2	50.2	110.9	188.2	293.3	436.6	605.8	793.1	992.2	1207.8
-25°	0.0	12.0	49.0	107.9	183.3	288.0	428.3	589.4	767.9	958.6	1162.9
-27.5°	0.0	11.8	47.6	104.6	177.8	282.7	418.6	571.5	740.6	923.1	1120.8
-30°	0.0	11.6	46.1	100.9	171.9	276.1	407.7	552.2	714.5	888.2	1075.2
-32.5°	0.0	11.4	44.4	96.8	168.0	268.0	395.4	535.6	689.0	851.5	1026.1
-35°	0.0	11.1	42.5	92.3	163.1	258.6	383.7	519.1	662.6	813.0	973.6
-37.5°	0.0	10.8	40.5	87.4	157.2	249.2	371.0	501.4	635.5	773.0	924.0
-40°	0.0	10.5	38.3	82.2	150.4	241.1	356.5	482.6	607.6	738.2	874.8
-42.5°	0.0	10.2	36.0	76.9	143.5	231.6	340.4	462.7	582.8	701.6	822.3
-45°	0.0	9.8	33.5	71.7	136.6	220.6	322.7	441.8	558.9	662.5	768.4
-47.5°	0.0	9.4	30.9	66.0	128.9	208.4	303.3	419.0	533.9	621.6	722.7
-50°	0.0	9.0	28.2	61.6	120.3	194.8	285.9	394.3	501.9	585.6	674.9
-52.5°	0.0	8.5	25.3	57.4	110.8	179.9	267.4	367.7	466.4	548.3	626.1
-55°	0.0	8.1	22.3	52.7	100.6	165.8	247.1	339.7	429.1	509.8	583.5
-57.5°	0.0	7.6	19.1	47.7	89.5	151.1	225.2	312.8	390.9	468.1	539.9
-60°	0.0	7.1	15.9	42.4	78.0	135.2	202.0	281.7	352.0	424.8	494.3
-62.5°	0.0	6.6	14.8	36.7	69.3	118.3	180.1	248.2	312.6	380.8	446.3
-65°	0.0	6.0	13.6	30.7	60.1	100.4	156.8	214.5	271.7	333.7	397.5
-67.5°	0.0	5.5	12.4	24.4	50.3	84.1	132.2	182.3	229.4	284.5	343.1
-70°	0.0	4.9	11.1	17.8	40.1	69.5	106.6	149.2	190.1	233.8	284.9
-72.5°	0.0	4.3	9.8	14.8	29.5	54.3	85.2	115.2	150.0	187.2	226.5
-75°	0.0	3.7	8.5	12.8	18.5	38.5	63.9	87.0	109.1	139.6	172.0
-77.5°	0.0	3.1	7.1	10.7	14.2	22.3	41.8	60.7	78.4	95.4	116.5
-80°	0.0	2.5	5.7	8.6	11.4	14.2	19.2	34.2	48.6	62.4	75.6
-82.5°	0.0	1.9	4.3	6.4	8.6	10.7	12.8	14.8	18.6	29.2	39.4
-85°	0.0	1.3	2.9	4.3	5.7	7.1	8.5	9.9	11.3	12.6	13.9
-87.5°	0.0	0.6	1.4	2.2	2.9	3.6	4.3	5.0	5.6	6.3	7.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	-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°	8.1	9.3	10.5	11.8	11.9	11.9	11.8	11.7	12.2	12.6	13.1
85°	16.1	18.5	25.7	32.6	35.9	38.0	38.9	38.8	45.1	52.4	60.3
82.5°	50.1	60.4	70.3	79.6	82.0	82.1	81.3	81.6	96.4	113.4	130.8
80°	89.2	102.3	119.6	135.0	141.7	145.2	146.8	146.6	165.3	190.3	216.5
77.5°	141.5	163.5	182.7	199.1	207.9	215.6	222.0	226.8	250.9	282.5	313.7
75°	201.1	225.3	249.3	270.3	284.9	295.8	305.9	322.2	353.8	390.6	422.6
72.5°	264.0	294.9	321.7	344.4	365.0	386.8	411.3	438.0	471.3	508.1	541.6
70°	331.1	365.1	393.2	420.6	448.6	481.3	517.9	554.0	591.2	631.7	670.8
67.5°	396.8	429.6	462.7	497.2	539.2	582.9	626.3	676.0	726.9	772.0	812.3
65°	453.9	492.4	533.7	580.6	632.4	688.0	745.8	805.5	870.0	924.2	973.5
62.5°	508.5	554.7	604.9	663.3	729.4	795.2	869.0	943.7	1016.3	1080.1	1139.0
60°	558.7	614.6	678.2	749.8	826.9	914.4	998.5	1083.4	1163.1	1235.3	1309.8
57.5°	607.6	677.9	754.1	840.2	937.7	1036.0	1134.8	1226.1	1316.4	1404.4	1488.6
55°	659.3	744.1	834.8	940.3	1050.2	1166.5	1272.9	1374.9	1474.3	1581.0	1682.5
52.5°	716.2	810.9	924.4	1042.6	1169.5	1294.3	1411.2	1527.4	1647.5	1768.3	1900.4
50°	771.1	889.2	1013.6	1150.9	1288.1	1421.8	1555.9	1689.6	1833.6	1981.7	2131.4
47.5°	835.3	964.2	1111.1	1258.4	1408.2	1557.1	1706.4	1868.1	2031.6	2203.5	2369.1
45°	900.2	1045.1	1203.4	1370.0	1532.0	1696.8	1871.4	2050.2	2241.9	2430.9	2630.2
42.5°	961.8	1125.6	1300.0	1480.0	1660.2	1844.3	2036.3	2245.1	2454.7	2672.7	2891.6
40°	1029.9	1202.0	1394.5	1592.6	1788.2	1992.3	2211.7	2437.9	2675.0	2914.7	3152.4
37.5°	1095.4	1284.7	1486.9	1700.2	1919.7	2144.0	2382.3	2639.0	2896.1	3154.1	3416.2
35°	1156.8	1363.0	1582.1	1808.5	2041.3	2296.4	2562.8	2836.8	3115.4	3394.4	3676.4
32.5°	1220.0	1436.9	1673.0	1915.3	2171.9	2445.4	2737.2	3034.1	3330.8	3628.7	3937.4
30°	1283.3	1514.4	1761.1	2016.4	2297.0	2595.0	2908.6	3223.1	3537.0	3864.8	4193.8
27.5°	1343.1	1587.9	1847.6	2120.8	2416.8	2733.6	3066.6	3403.5	3741.9	4090.5	4441.4
25°	1398.1	1657.5	1927.9	2221.3	2535.0	2866.9	3213.8	3565.3	3936.5	4309.5	4675.9
22.5°	1451.8	1721.4	2002.3	2313.9	2642.2	2990.6	3351.9	3723.1	4111.0	4511.5	4890.7
20°	1503.5	1782.3	2074.7	2397.8	2738.1	3102.1	3477.4	3866.2	4273.1	4684.3	5092.2
17.5°	1549.4	1836.4	2142.1	2476.2	2829.7	3204.0	3590.5	3992.1	4417.1	4843.3	5275.5
15°	1589.3	1883.5	2200.5	2544.6	2910.6	3296.6	3695.5	4108.5	4544.4	4988.2	5437.5
12.5°	1623.1	1923.4	2249.6	2602.8	2979.3	3376.0	3785.7	4213.2	4660.9	5117.1	5579.4
10°	1650.5	1955.9	2289.4	2650.4	3035.4	3441.6	3860.0	4299.5	4760.6	5226.8	5698.8
7.5°	1673.9	1983.0	2320.9	2687.0	3078.6	3493.0	3917.8	4366.8	4840.0	5312.3	5794.7
5°	1690.9	2005.0	2349.9	2717.8	3116.1	3533.2	3961.6	4414.8	4898.1	5373.2	5864.2
2.5°	1701.1	2019.3	2369.7	2737.7	3145.7	3563.3	4000.5	4457.2	4940.7	5421.5	5916.5
0°	1704.5	2025.7	2379.8	2746.2	3162.0	3577.9	4022.5	4479.6	4961.3	5451.2	5949.4
-2.5°	1701.1	2019.3	2369.7	2737.7	3145.7	3563.3	4000.5	4457.2	4940.7	5421.5	5916.5
-5°	1690.9	2005.0	2349.9	2717.8	3116.1	3533.2	3961.6	4414.8	4898.1	5373.2	5864.2
-7.5°	1673.9	1983.0	2320.9	2687.0	3078.6	3493.0	3917.8	4366.8	4840.0	5312.3	5794.7
-10°	1650.5	1955.9	2289.4	2650.4	3035.4	3441.6	3860.0	4299.5	4760.6	5226.8	5698.8
-12.5°	1623.1	1923.4	2249.6	2602.8	2979.3	3376.0	3785.7	4213.2	4660.9	5117.1	5579.4
-15°	1589.3	1883.5	2200.5	2544.6	2910.6	3296.6	3695.5	4108.5	4544.4	4988.2	5437.5
-17.5°	1549.4	1836.4	2142.1	2476.2	2829.7	3204.0	3590.5	3992.1	4417.1	4843.3	5275.5
-20°	1503.5	1782.3	2074.7	2397.8	2738.1	3102.1	3477.4	3866.2	4273.1	4684.3	5092.2



REPORT NUMBER: P627211 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-730-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°	1451.8	1721.4	2002.3	2313.9	2642.2	2990.6	3351.9	3723.1	4111.0	4511.5	4890.7
-25°	1398.1	1657.5	1927.9	2221.3	2535.0	2866.9	3213.8	3565.3	3936.5	4309.5	4675.9
-27.5°	1343.1	1587.9	1847.6	2120.8	2416.8	2733.6	3066.6	3403.5	3741.9	4090.5	4441.4
-30°	1283.3	1514.4	1761.1	2016.4	2297.0	2595.0	2908.6	3223.1	3537.0	3864.8	4193.8
-32.5°	1220.0	1436.9	1673.0	1915.3	2171.9	2445.4	2737.2	3034.1	3330.8	3628.7	3937.4
-35°	1156.8	1363.0	1582.1	1808.5	2041.3	2296.4	2562.8	2836.8	3115.4	3394.4	3676.4
-37.5°	1095.4	1284.7	1486.9	1700.2	1919.7	2144.0	2382.3	2639.0	2896.1	3154.1	3416.2
-40°	1029.9	1202.0	1394.5	1592.6	1788.2	1992.3	2211.7	2437.9	2675.0	2914.7	3152.4
-42.5°	961.8	1125.6	1300.0	1480.0	1660.2	1844.3	2036.3	2245.1	2454.7	2672.7	2891.6
-45°	900.2	1045.1	1203.4	1370.0	1532.0	1696.8	1871.4	2050.2	2241.9	2430.9	2630.2
-47.5°	835.3	964.2	1111.1	1258.4	1408.2	1557.1	1706.4	1868.1	2031.6	2203.5	2369.1
-50°	771.1	889.2	1013.6	1150.9	1288.1	1421.8	1555.9	1689.6	1833.6	1981.7	2131.4
-52.5°	716.2	810.9	924.4	1042.6	1169.5	1294.3	1411.2	1527.4	1647.5	1768.3	1900.4
-55°	659.3	744.1	834.8	940.3	1050.2	1166.5	1272.9	1374.9	1474.3	1581.0	1682.5
-57.5°	607.6	677.9	754.1	840.2	937.7	1036.0	1134.8	1226.1	1316.4	1404.4	1488.6
-60°	558.7	614.6	678.2	749.8	826.9	914.4	998.5	1083.4	1163.1	1235.3	1309.8
-62.5°	508.5	554.7	604.9	663.3	729.4	795.2	869.0	943.7	1016.3	1080.1	1139.0
-65°	453.9	492.4	533.7	580.6	632.4	688.0	745.8	805.5	870.0	924.2	973.5
-67.5°	396.8	429.6	462.7	497.2	539.2	582.9	626.3	676.0	726.9	772.0	812.3
-70°	331.1	365.1	393.2	420.6	448.6	481.3	517.9	554.0	591.2	631.7	670.8
-72.5°	264.0	294.9	321.7	344.4	365.0	386.8	411.3	438.0	471.3	508.1	541.6
-75°	201.1	225.3	249.3	270.3	284.9	295.8	305.9	322.2	353.8	390.6	422.6
-77.5°	141.5	163.5	182.7	199.1	207.9	215.6	222.0	226.8	250.9	282.5	313.7
-80°	89.2	102.3	119.6	135.0	141.7	145.2	146.8	146.6	165.3	190.3	216.5
-82.5°	50.1	60.4	70.3	79.6	82.0	82.1	81.3	81.6	96.4	113.4	130.8
-85°	16.1	18.5	25.7	32.6	35.9	38.0	38.9	38.8	45.1	52.4	60.3
-87.5°	8.1	9.3	10.5	11.8	11.9	11.9	11.8	11.7	12.2	12.6	13.1
-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: P627211 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-730-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°	13.5	13.9	14.3	14.6	15.0	15.2	15.5	15.7	15.9	15.1	14.2
85°	68.8	73.6	78.2	82.5	86.6	90.6	94.2	97.6	100.8	92.1	82.4
82.5°	148.5	160.4	171.8	183.1	194.2	197.1	198.0	197.6	196.0	180.6	163.6
80°	242.5	262.6	281.7	300.6	319.2	321.3	319.2	315.3	309.9	289.7	266.9
77.5°	344.9	370.3	392.6	413.0	431.5	435.0	434.5	433.6	432.1	411.5	386.6
75°	450.0	474.9	498.8	519.2	536.2	544.0	547.9	550.6	552.1	537.3	518.0
72.5°	571.9	597.7	618.9	638.7	655.4	667.5	676.2	682.8	687.3	682.8	674.9
70°	704.1	731.8	755.2	777.6	800.3	818.5	832.2	842.1	848.5	852.6	855.5
67.5°	853.0	890.2	922.7	950.4	977.9	1003.6	1024.8	1042.1	1055.4	1066.8	1075.5
65°	1020.7	1068.3	1110.5	1149.2	1184.7	1222.1	1252.7	1278.5	1299.2	1316.3	1330.0
62.5°	1197.0	1255.4	1309.6	1362.1	1413.6	1464.3	1503.3	1538.7	1570.2	1597.3	1618.9
60°	1380.3	1446.6	1519.3	1588.7	1652.6	1710.9	1768.9	1819.0	1862.0	1897.6	1926.4
57.5°	1577.3	1663.1	1748.1	1834.3	1915.7	1992.0	2063.3	2126.2	2179.4	2223.0	2259.7
55°	1790.0	1897.4	1996.0	2104.7	2209.7	2305.4	2389.6	2463.6	2527.6	2581.2	2626.7
52.5°	2023.9	2154.4	2282.5	2406.2	2525.4	2636.4	2737.2	2823.4	2900.0	2965.8	3018.2
50°	2279.9	2429.2	2577.6	2715.2	2852.2	2980.1	3095.7	3195.7	3284.9	3362.2	3423.0
47.5°	2547.7	2717.5	2883.3	3040.8	3192.5	3334.6	3459.8	3573.8	3685.0	3775.7	3847.4
45°	2825.6	3016.2	3199.0	3379.2	3546.2	3705.5	3859.8	4001.8	4115.9	4215.9	4299.8
42.5°	3107.0	3319.6	3524.3	3720.9	3904.5	4088.7	4262.3	4417.5	4547.7	4661.3	4756.7
40°	3392.0	3624.8	3850.4	4064.6	4274.6	4475.4	4663.2	4826.9	4973.7	5108.6	5221.1
37.5°	3675.6	3931.7	4181.6	4421.6	4652.8	4870.4	5073.3	5258.2	5423.9	5577.6	5702.5
35°	3960.5	4241.4	4515.0	4779.1	5031.6	5271.7	5493.9	5704.4	5899.6	6055.3	6183.0
32.5°	4244.2	4546.3	4844.0	5134.7	5411.1	5670.0	5910.8	6143.3	6344.1	6515.2	6662.1
30°	4518.8	4846.0	5170.2	5485.5	5784.0	6064.5	6331.1	6577.0	6793.0	6980.1	7144.8
27.5°	4788.3	5139.8	5487.6	5824.4	6147.2	6452.0	6743.0	7009.6	7245.3	7448.7	7622.4
25°	5042.9	5420.7	5791.5	6148.6	6493.4	6829.6	7143.7	7434.8	7686.5	7909.8	8088.2
22.5°	5286.2	5689.1	6078.7	6454.4	6823.2	7185.6	7529.5	7833.4	8100.2	8333.6	8531.1
20°	5512.9	5944.6	6343.2	6740.5	7129.0	7516.0	7885.2	8205.8	8488.1	8736.7	8954.3
17.5°	5724.7	6167.6	6587.3	7010.3	7419.8	7825.7	8200.8	8544.4	8849.0	9113.0	9341.0
15°	5904.1	6351.3	6809.7	7261.3	7693.1	8104.2	8479.0	8837.9	9176.1	9461.5	9692.7
12.5°	6049.3	6514.5	6992.6	7472.1	7928.7	8339.3	8731.6	9095.7	9450.9	9771.6	9984.1
10°	6173.1	6652.1	7145.7	7634.7	8097.4	8531.8	8958.4	9343.3	9692.4	9979.5	10216.8
7.5°	6280.2	6773.5	7274.9	7764.6	8225.8	8674.6	9113.8	9522.6	9875.0	10145.5	10357.2
5°	6359.1	6864.1	7375.2	7869.5	8337.1	8787.4	9228.5	9632.2	9976.2	10251.4	10482.3
2.5°	6415.5	6925.3	7440.1	7935.0	8413.0	8864.4	9316.6	9724.9	10058.0	10310.1	10531.2
0°	6451.7	6962.2	7481.0	7987.4	8456.8	8893.2	9379.1	9762.0	10107.8	10359.0	10589.5
-2.5°	6415.5	6925.3	7440.1	7935.0	8413.0	8864.4	9316.6	9724.9	10058.0	10310.1	10531.2
-5°	6359.1	6864.1	7375.2	7869.5	8337.1	8787.4	9228.5	9632.2	9976.2	10251.4	10482.3
-7.5°	6280.2	6773.5	7274.9	7764.6	8225.8	8674.6	9113.8	9522.6	9875.0	10145.5	10357.2
-10°	6173.1	6652.1	7145.7	7634.7	8097.4	8531.8	8958.4	9343.3	9692.4	9979.5	10216.8
-12.5°	6049.3	6514.5	6992.6	7472.1	7928.7	8339.3	8731.6	9095.7	9450.9	9771.6	9984.1
-15°	5904.1	6351.3	6809.7	7261.3	7693.1	8104.2	8479.0	8837.9	9176.1	9461.5	9692.7
-17.5°	5724.7	6167.6	6587.3	7010.3	7419.8	7825.7	8200.8	8544.4	8849.0	9113.0	9341.0
-20°	5512.9	5944.6	6343.2	6740.5	7129.0	7516.0	7885.2	8205.8	8488.1	8736.7	8954.3



REPORT NUMBER: P627211 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5286.2	5689.1	6078.7	6454.4	6823.2	7185.6	7529.5	7833.4	8100.2	8333.6	8531.1
-25°	5042.9	5420.7	5791.5	6148.6	6493.4	6829.6	7143.7	7434.8	7686.5	7909.8	8088.2
-27.5°	4788.3	5139.8	5487.6	5824.4	6147.2	6452.0	6743.0	7009.6	7245.3	7448.7	7622.4
-30°	4518.8	4846.0	5170.2	5485.5	5784.0	6064.5	6331.1	6577.0	6793.0	6980.1	7144.8
-32.5°	4244.2	4546.3	4844.0	5134.7	5411.1	5670.0	5910.8	6143.3	6344.1	6515.2	6662.1
-35°	3960.5	4241.4	4515.0	4779.1	5031.6	5271.7	5493.9	5704.4	5899.6	6055.3	6183.0
-37.5°	3675.6	3931.7	4181.6	4421.6	4652.8	4870.4	5073.3	5258.2	5423.9	5577.6	5702.5
-40°	3392.0	3624.8	3850.4	4064.6	4274.6	4475.4	4663.2	4826.9	4973.7	5108.6	5221.1
-42.5°	3107.0	3319.6	3524.3	3720.9	3904.5	4088.7	4262.3	4417.5	4547.7	4661.3	4756.7
-45°	2825.6	3016.2	3199.0	3379.2	3546.2	3705.5	3859.8	4001.8	4115.9	4215.9	4299.8
-47.5°	2547.7	2717.5	2883.3	3040.8	3192.5	3334.6	3459.8	3573.8	3685.0	3775.7	3847.4
-50°	2279.9	2429.2	2577.6	2715.2	2852.2	2980.1	3095.7	3195.7	3284.9	3362.2	3423.0
-52.5°	2023.9	2154.4	2282.5	2406.2	2525.4	2636.4	2737.2	2823.4	2900.0	2965.8	3018.2
-55°	1790.0	1897.4	1996.0	2104.7	2209.7	2305.4	2389.6	2463.6	2527.6	2581.2	2626.7
-57.5°	1577.3	1663.1	1748.1	1834.3	1915.7	1992.0	2063.3	2126.2	2179.4	2223.0	2259.7
-60°	1380.3	1446.6	1519.3	1588.7	1652.6	1710.9	1768.9	1819.0	1862.0	1897.6	1926.4
-62.5°	1197.0	1255.4	1309.6	1362.1	1413.6	1464.3	1503.3	1538.7	1570.2	1597.3	1618.9
-65°	1020.7	1068.3	1110.5	1149.2	1184.7	1222.1	1252.7	1278.5	1299.2	1316.3	1330.0
-67.5°	853.0	890.2	922.7	950.4	977.9	1003.6	1024.8	1042.1	1055.4	1066.8	1075.5
-70°	704.1	731.8	755.2	777.6	800.3	818.5	832.2	842.1	848.5	852.6	855.5
-72.5°	571.9	597.7	618.9	638.7	655.4	667.5	676.2	682.8	687.3	682.8	674.9
-75°	450.0	474.9	498.8	519.2	536.2	544.0	547.9	550.6	552.1	537.3	518.0
-77.5°	344.9	370.3	392.6	413.0	431.5	435.0	434.5	433.6	432.1	411.5	386.6
-80°	242.5	262.6	281.7	300.6	319.2	321.3	319.2	315.3	309.9	289.7	266.9
-82.5°	148.5	160.4	171.8	183.1	194.2	197.1	198.0	197.6	196.0	180.6	163.6
-85°	68.8	73.6	78.2	82.5	86.6	90.6	94.2	97.6	100.8	92.1	82.4
-87.5°	13.5	13.9	14.3	14.6	15.0	15.2	15.5	15.7	15.9	15.1	14.2
-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: P627211 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-730-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°	13.3	12.4	12.4	12.4	12.4	12.4	13.3	14.2	15.1	15.9	15.7
85°	72.2	61.5	57.6	53.5	57.6	61.5	72.2	82.4	92.1	100.8	97.6
82.5°	145.8	127.2	121.3	115.3	121.3	127.2	145.8	163.6	180.6	196.0	197.6
80°	242.8	217.6	207.7	197.6	207.7	217.6	242.8	266.9	289.7	309.9	315.3
77.5°	360.3	332.7	320.9	308.8	320.9	332.7	360.3	386.6	411.5	432.1	433.6
75°	497.6	476.0	462.9	448.8	462.9	476.0	497.6	518.0	537.3	552.1	550.6
72.5°	665.9	655.3	645.8	634.1	645.8	655.3	665.9	674.9	682.8	687.3	682.8
70°	856.5	855.2	856.9	856.4	856.9	855.2	856.5	855.5	852.6	848.5	842.1
67.5°	1080.0	1080.3	1084.9	1087.0	1084.9	1080.3	1080.0	1075.5	1066.8	1055.4	1042.1
65°	1338.5	1341.7	1340.5	1334.0	1340.5	1341.7	1338.5	1330.0	1316.3	1299.2	1278.5
62.5°	1634.2	1643.1	1648.0	1646.9	1648.0	1643.1	1634.2	1618.9	1597.3	1570.2	1538.7
60°	1947.8	1961.8	1968.7	1968.0	1968.7	1961.8	1947.8	1926.4	1897.6	1862.0	1819.0
57.5°	2287.0	2304.8	2309.0	2301.5	2309.0	2304.8	2287.0	2259.7	2223.0	2179.4	2126.2
55°	2661.1	2683.9	2692.7	2688.6	2692.7	2683.9	2661.1	2626.7	2581.2	2527.6	2463.6
52.5°	3056.7	3081.4	3090.1	3083.8	3090.1	3081.4	3056.7	3018.2	2965.8	2900.0	2823.4
50°	3467.6	3497.5	3509.6	3503.8	3509.6	3497.5	3467.6	3423.0	3362.2	3284.9	3195.7
47.5°	3903.7	3943.5	3959.0	3948.4	3959.0	3943.5	3903.7	3847.4	3775.7	3685.0	3573.8
45°	4362.6	4403.9	4419.9	4409.6	4419.9	4403.9	4362.6	4299.8	4215.9	4115.9	4001.8
42.5°	4829.6	4883.3	4906.0	4887.2	4906.0	4883.3	4829.6	4756.7	4661.3	4547.7	4417.5
40°	5305.0	5363.2	5390.1	5377.1	5390.1	5363.2	5305.0	5221.1	5108.6	4973.7	4826.9
37.5°	5792.6	5850.6	5879.1	5879.4	5879.1	5850.6	5792.6	5702.5	5577.6	5423.9	5258.2
35°	6282.0	6352.1	6391.8	6390.0	6391.8	6352.1	6282.0	6183.0	6055.3	5899.6	5704.4
32.5°	6778.2	6854.1	6894.7	6900.5	6894.7	6854.1	6778.2	6662.1	6515.2	6344.1	6143.3
30°	7273.6	7357.2	7404.1	7423.4	7404.1	7357.2	7273.6	7144.8	6980.1	6793.0	6577.0
27.5°	7754.0	7856.8	7927.8	7933.9	7927.8	7856.8	7754.0	7622.4	7448.7	7245.3	7009.6
25°	8219.3	8323.9	8396.7	8411.5	8396.7	8323.9	8219.3	8088.2	7909.8	7686.5	7434.8
22.5°	8677.8	8787.3	8854.5	8880.9	8854.5	8787.3	8677.8	8531.1	8333.6	8100.2	7833.4
20°	9115.6	9234.2	9305.5	9333.8	9305.5	9234.2	9115.6	8954.3	8736.7	8488.1	8205.8
17.5°	9511.6	9637.0	9724.9	9749.6	9724.9	9637.0	9511.6	9341.0	9113.0	8849.0	8544.4
15°	9860.2	9979.0	10062.5	10095.5	10062.5	9979.0	9860.2	9692.7	9461.5	9176.1	8837.9
12.5°	10143.9	10250.1	10315.6	10346.6	10315.6	10250.1	10143.9	9984.1	9771.6	9450.9	9095.7
10°	10365.5	10472.1	10534.6	10577.2	10534.6	10472.1	10365.5	10216.8	9979.5	9692.4	9343.3
7.5°	10557.8	10667.1	10743.5	10803.6	10743.5	10667.1	10557.8	10357.2	10145.5	9875.0	9522.6
5°	10664.1	10846.5	10873.9	10914.8	10873.9	10846.5	10664.1	10482.3	10251.4	9976.2	9632.2
2.5°	10745.0	10874.4	10952.2	10943.6	10952.2	10874.4	10745.0	10531.2	10310.1	10058.0	9724.9
0°	10803.6	10918.9	10947.7	10984.8	10947.7	10918.9	10803.6	10589.5	10359.0	10107.8	9762.0
-2.5°	10745.0	10874.4	10952.2	10943.6	10952.2	10874.4	10745.0	10531.2	10310.1	10058.0	9724.9
-5°	10664.1	10846.5	10873.9	10914.8	10873.9	10846.5	10664.1	10482.3	10251.4	9976.2	9632.2
-7.5°	10557.8	10667.1	10743.5	10803.6	10743.5	10667.1	10557.8	10357.2	10145.5	9875.0	9522.6
-10°	10365.5	10472.1	10534.6	10577.2	10534.6	10472.1	10365.5	10216.8	9979.5	9692.4	9343.3
-12.5°	10143.9	10250.1	10315.6	10346.6	10315.6	10250.1	10143.9	9984.1	9771.6	9450.9	9095.7
-15°	9860.2	9979.0	10062.5	10095.5	10062.5	9979.0	9860.2	9692.7	9461.5	9176.1	8837.9
-17.5°	9511.6	9637.0	9724.9	9749.6	9724.9	9637.0	9511.6	9341.0	9113.0	8849.0	8544.4
-20°	9115.6	9234.2	9305.5	9333.8	9305.5	9234.2	9115.6	8954.3	8736.7	8488.1	8205.8



REPORT NUMBER: P627211 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-730-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°	8677.8	8787.3	8854.5	8880.9	8854.5	8787.3	8677.8	8531.1	8333.6	8100.2	7833.4
-25°	8219.3	8323.9	8396.7	8411.5	8396.7	8323.9	8219.3	8088.2	7909.8	7686.5	7434.8
-27.5°	7754.0	7856.8	7927.8	7933.9	7927.8	7856.8	7754.0	7622.4	7448.7	7245.3	7009.6
-30°	7273.6	7357.2	7404.1	7423.4	7404.1	7357.2	7273.6	7144.8	6980.1	6793.0	6577.0
-32.5°	6778.2	6854.1	6894.7	6900.5	6894.7	6854.1	6778.2	6662.1	6515.2	6344.1	6143.3
-35°	6282.0	6352.1	6391.8	6390.0	6391.8	6352.1	6282.0	6183.0	6055.3	5899.6	5704.4
-37.5°	5792.6	5850.6	5879.1	5879.4	5879.1	5850.6	5792.6	5702.5	5577.6	5423.9	5258.2
-40°	5305.0	5363.2	5390.1	5377.1	5390.1	5363.2	5305.0	5221.1	5108.6	4973.7	4826.9
-42.5°	4829.6	4883.3	4906.0	4887.2	4906.0	4883.3	4829.6	4756.7	4661.3	4547.7	4417.5
-45°	4362.6	4403.9	4419.9	4409.6	4419.9	4403.9	4362.6	4299.8	4215.9	4115.9	4001.8
-47.5°	3903.7	3943.5	3959.0	3948.4	3959.0	3943.5	3903.7	3847.4	3775.7	3685.0	3573.8
-50°	3467.6	3497.5	3509.6	3503.8	3509.6	3497.5	3467.6	3423.0	3362.2	3284.9	3195.7
-52.5°	3056.7	3081.4	3090.1	3083.8	3090.1	3081.4	3056.7	3018.2	2965.8	2900.0	2823.4
-55°	2661.1	2683.9	2692.7	2688.6	2692.7	2683.9	2661.1	2626.7	2581.2	2527.6	2463.6
-57.5°	2287.0	2304.8	2309.0	2301.5	2309.0	2304.8	2287.0	2259.7	2223.0	2179.4	2126.2
-60°	1947.8	1961.8	1968.7	1968.0	1968.7	1961.8	1947.8	1926.4	1897.6	1862.0	1819.0
-62.5°	1634.2	1643.1	1648.0	1646.9	1648.0	1643.1	1634.2	1618.9	1597.3	1570.2	1538.7
-65°	1338.5	1341.7	1340.5	1334.0	1340.5	1341.7	1338.5	1330.0	1316.3	1299.2	1278.5
-67.5°	1080.0	1080.3	1084.9	1087.0	1084.9	1080.3	1080.0	1075.5	1066.8	1055.4	1042.1
-70°	856.5	855.2	856.9	856.4	856.9	855.2	856.5	855.5	852.6	848.5	842.1
-72.5°	665.9	655.3	645.8	634.1	645.8	655.3	665.9	674.9	682.8	687.3	682.8
-75°	497.6	476.0	462.9	448.8	462.9	476.0	497.6	518.0	537.3	552.1	550.6
-77.5°	360.3	332.7	320.9	308.8	320.9	332.7	360.3	386.6	411.5	432.1	433.6
-80°	242.8	217.6	207.7	197.6	207.7	217.6	242.8	266.9	289.7	309.9	315.3
-82.5°	145.8	127.2	121.3	115.3	121.3	127.2	145.8	163.6	180.6	196.0	197.6
-85°	72.2	61.5	57.6	53.5	57.6	61.5	72.2	82.4	92.1	100.8	97.6
-87.5°	13.3	12.4	12.4	12.4	12.4	12.4	13.3	14.2	15.1	15.9	15.7
-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: P627211 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-730-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°	15.5	15.2	15.0	14.6	14.3	13.9	13.5	13.1	12.6	12.2	11.7
85°	94.2	90.6	86.6	82.5	78.2	73.6	68.8	60.3	52.4	45.1	38.8
82.5°	198.0	197.1	194.2	183.1	171.8	160.4	148.5	130.8	113.4	96.4	81.6
80°	319.2	321.3	319.2	300.6	281.7	262.6	242.5	216.5	190.3	165.3	146.6
77.5°	434.5	435.0	431.5	413.0	392.6	370.3	344.9	313.7	282.5	250.9	226.8
75°	547.9	544.0	536.2	519.2	498.8	474.9	450.0	422.6	390.6	353.8	322.2
72.5°	676.2	667.5	655.4	638.7	618.9	597.7	571.9	541.6	508.1	471.3	438.0
70°	832.2	818.5	800.3	777.6	755.2	731.8	704.1	670.8	631.7	591.2	554.0
67.5°	1024.8	1003.6	977.9	950.4	922.7	890.2	853.0	812.3	772.0	726.9	676.0
65°	1252.7	1222.1	1184.7	1149.2	1110.5	1068.3	1020.7	973.5	924.2	870.0	805.5
62.5°	1503.3	1464.3	1413.6	1362.1	1309.6	1255.4	1197.0	1139.0	1080.1	1016.3	943.7
60°	1768.9	1710.9	1652.6	1588.7	1519.3	1446.6	1380.3	1309.8	1235.3	1163.1	1083.4
57.5°	2063.3	1992.0	1915.7	1834.3	1748.1	1663.1	1577.3	1488.6	1404.4	1316.4	1226.1
55°	2389.6	2305.4	2209.7	2104.7	1996.0	1897.4	1790.0	1682.5	1581.0	1474.3	1374.9
52.5°	2737.2	2636.4	2525.4	2406.2	2282.5	2154.4	2023.9	1900.4	1768.3	1647.5	1527.4
50°	3095.7	2980.1	2852.2	2715.2	2577.6	2429.2	2279.9	2131.4	1981.7	1833.6	1689.6
47.5°	3459.8	3334.6	3192.5	3040.8	2883.3	2717.5	2547.7	2369.1	2203.5	2031.6	1868.1
45°	3859.8	3705.5	3546.2	3379.2	3199.0	3016.2	2825.6	2630.2	2430.9	2241.9	2050.2
42.5°	4262.3	4088.7	3904.5	3720.9	3524.3	3319.6	3107.0	2891.6	2672.7	2454.7	2245.1
40°	4663.2	4475.4	4274.6	4064.6	3850.4	3624.8	3392.0	3152.4	2914.7	2675.0	2437.9
37.5°	5073.3	4870.4	4652.8	4421.6	4181.6	3931.7	3675.6	3416.2	3154.1	2896.1	2639.0
35°	5493.9	5271.7	5031.6	4779.1	4515.0	4241.4	3960.5	3676.4	3394.4	3115.4	2836.8
32.5°	5910.8	5670.0	5411.1	5134.7	4844.0	4546.3	4244.2	3937.4	3628.7	3330.8	3034.1
30°	6331.1	6064.5	5784.0	5485.5	5170.2	4846.0	4518.8	4193.8	3864.8	3537.0	3223.1
27.5°	6743.0	6452.0	6147.2	5824.4	5487.6	5139.8	4788.3	4441.4	4090.5	3741.9	3403.5
25°	7143.7	6829.6	6493.4	6148.6	5791.5	5420.7	5042.9	4675.9	4309.5	3936.5	3565.3
22.5°	7529.5	7185.6	6823.2	6454.4	6078.7	5689.1	5286.2	4890.7	4511.5	4111.0	3723.1
20°	7885.2	7516.0	7129.0	6740.5	6343.2	5944.6	5512.9	5092.2	4684.3	4273.1	3866.2
17.5°	8200.8	7825.7	7419.8	7010.3	6587.3	6167.6	5724.7	5275.5	4843.3	4417.1	3992.1
15°	8479.0	8104.2	7693.1	7261.3	6809.7	6351.3	5904.1	5437.5	4988.2	4544.4	4108.5
12.5°	8731.6	8339.3	7928.7	7472.1	6992.6	6514.5	6049.3	5579.4	5117.1	4660.9	4213.2
10°	8958.4	8531.8	8097.4	7634.7	7145.7	6652.1	6173.1	5698.8	5226.8	4760.6	4299.5
7.5°	9113.8	8674.6	8225.8	7764.6	7274.9	6773.5	6280.2	5794.7	5312.3	4840.0	4366.8
5°	9228.5	8787.4	8337.1	7869.5	7375.2	6864.1	6359.1	5864.2	5373.2	4898.1	4414.8
2.5°	9316.6	8864.4	8413.0	7935.0	7440.1	6925.3	6415.5	5916.5	5421.5	4940.7	4457.2
0°	9379.1	8893.2	8456.8	7987.4	7481.0	6962.2	6451.7	5949.4	5451.2	4961.3	4479.6
-2.5°	9316.6	8864.4	8413.0	7935.0	7440.1	6925.3	6415.5	5916.5	5421.5	4940.7	4457.2
-5°	9228.5	8787.4	8337.1	7869.5	7375.2	6864.1	6359.1	5864.2	5373.2	4898.1	4414.8
-7.5°	9113.8	8674.6	8225.8	7764.6	7274.9	6773.5	6280.2	5794.7	5312.3	4840.0	4366.8
-10°	8958.4	8531.8	8097.4	7634.7	7145.7	6652.1	6173.1	5698.8	5226.8	4760.6	4299.5
-12.5°	8731.6	8339.3	7928.7	7472.1	6992.6	6514.5	6049.3	5579.4	5117.1	4660.9	4213.2
-15°	8479.0	8104.2	7693.1	7261.3	6809.7	6351.3	5904.1	5437.5	4988.2	4544.4	4108.5
-17.5°	8200.8	7825.7	7419.8	7010.3	6587.3	6167.6	5724.7	5275.5	4843.3	4417.1	3992.1
-20°	7885.2	7516.0	7129.0	6740.5	6343.2	5944.6	5512.9	5092.2	4684.3	4273.1	3866.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627211 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7529.5	7185.6	6823.2	6454.4	6078.7	5689.1	5286.2	4890.7	4511.5	4111.0	3723.1
-25°	7143.7	6829.6	6493.4	6148.6	5791.5	5420.7	5042.9	4675.9	4309.5	3936.5	3565.3
-27.5°	6743.0	6452.0	6147.2	5824.4	5487.6	5139.8	4788.3	4441.4	4090.5	3741.9	3403.5
-30°	6331.1	6064.5	5784.0	5485.5	5170.2	4846.0	4518.8	4193.8	3864.8	3537.0	3223.1
-32.5°	5910.8	5670.0	5411.1	5134.7	4844.0	4546.3	4244.2	3937.4	3628.7	3330.8	3034.1
-35°	5493.9	5271.7	5031.6	4779.1	4515.0	4241.4	3960.5	3676.4	3394.4	3115.4	2836.8
-37.5°	5073.3	4870.4	4652.8	4421.6	4181.6	3931.7	3675.6	3416.2	3154.1	2896.1	2639.0
-40°	4663.2	4475.4	4274.6	4064.6	3850.4	3624.8	3392.0	3152.4	2914.7	2675.0	2437.9
-42.5°	4262.3	4088.7	3904.5	3720.9	3524.3	3319.6	3107.0	2891.6	2672.7	2454.7	2245.1
-45°	3859.8	3705.5	3546.2	3379.2	3199.0	3016.2	2825.6	2630.2	2430.9	2241.9	2050.2
-47.5°	3459.8	3334.6	3192.5	3040.8	2883.3	2717.5	2547.7	2369.1	2203.5	2031.6	1868.1
-50°	3095.7	2980.1	2852.2	2715.2	2577.6	2429.2	2279.9	2131.4	1981.7	1833.6	1689.6
-52.5°	2737.2	2636.4	2525.4	2406.2	2282.5	2154.4	2023.9	1900.4	1768.3	1647.5	1527.4
-55°	2389.6	2305.4	2209.7	2104.7	1996.0	1897.4	1790.0	1682.5	1581.0	1474.3	1374.9
-57.5°	2063.3	1992.0	1915.7	1834.3	1748.1	1663.1	1577.3	1488.6	1404.4	1316.4	1226.1
-60°	1768.9	1710.9	1652.6	1588.7	1519.3	1446.6	1380.3	1309.8	1235.3	1163.1	1083.4
-62.5°	1503.3	1464.3	1413.6	1362.1	1309.6	1255.4	1197.0	1139.0	1080.1	1016.3	943.7
-65°	1252.7	1222.1	1184.7	1149.2	1110.5	1068.3	1020.7	973.5	924.2	870.0	805.5
-67.5°	1024.8	1003.6	977.9	950.4	922.7	890.2	853.0	812.3	772.0	726.9	676.0
-70°	832.2	818.5	800.3	777.6	755.2	731.8	704.1	670.8	631.7	591.2	554.0
-72.5°	676.2	667.5	655.4	638.7	618.9	597.7	571.9	541.6	508.1	471.3	438.0
-75°	547.9	544.0	536.2	519.2	498.8	474.9	450.0	422.6	390.6	353.8	322.2
-77.5°	434.5	435.0	431.5	413.0	392.6	370.3	344.9	313.7	282.5	250.9	226.8
-80°	319.2	321.3	319.2	300.6	281.7	262.6	242.5	216.5	190.3	165.3	146.6
-82.5°	198.0	197.1	194.2	183.1	171.8	160.4	148.5	130.8	113.4	96.4	81.6
-85°	94.2	90.6	86.6	82.5	78.2	73.6	68.8	60.3	52.4	45.1	38.8
-87.5°	15.5	15.2	15.0	14.6	14.3	13.9	13.5	13.1	12.6	12.2	11.7
-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: P627211 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-730-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°	11.8	11.9	11.9	11.8	10.5	9.3	8.1	7.0	6.3	5.6	5.0
85°	38.9	38.0	35.9	32.6	25.7	18.5	16.1	13.9	12.6	11.3	9.9
82.5°	81.3	82.1	82.0	79.6	70.3	60.4	50.1	39.4	29.2	18.6	14.8
80°	146.8	145.2	141.7	135.0	119.6	102.3	89.2	75.6	62.4	48.6	34.2
77.5°	222.0	215.6	207.9	199.1	182.7	163.5	141.5	116.5	95.4	78.4	60.7
75°	305.9	295.8	284.9	270.3	249.3	225.3	201.1	172.0	139.6	109.1	87.0
72.5°	411.3	386.8	365.0	344.4	321.7	294.9	264.0	226.5	187.2	150.0	115.2
70°	517.9	481.3	448.6	420.6	393.2	365.1	331.1	284.9	233.8	190.1	149.2
67.5°	626.3	582.9	539.2	497.2	462.7	429.6	396.8	343.1	284.5	229.4	182.3
65°	745.8	688.0	632.4	580.6	533.7	492.4	453.9	397.5	333.7	271.7	214.5
62.5°	869.0	795.2	729.4	663.3	604.9	554.7	508.5	446.3	380.8	312.6	248.2
60°	998.5	914.4	826.9	749.8	678.2	614.6	558.7	494.3	424.8	352.0	281.7
57.5°	1134.8	1036.0	937.7	840.2	754.1	677.9	607.6	539.9	468.1	390.9	312.8
55°	1272.9	1166.5	1050.2	940.3	834.8	744.1	659.3	583.5	509.8	429.1	339.7
52.5°	1411.2	1294.3	1169.5	1042.6	924.4	810.9	716.2	626.1	548.3	466.4	367.7
50°	1555.9	1421.8	1288.1	1150.9	1013.6	889.2	771.1	674.9	585.6	501.9	394.3
47.5°	1706.4	1557.1	1408.2	1258.4	1111.1	964.2	835.3	722.7	621.6	533.9	419.0
45°	1871.4	1696.8	1532.0	1370.0	1203.4	1045.1	900.2	768.4	662.5	558.9	441.8
42.5°	2036.3	1844.3	1660.2	1480.0	1300.0	1125.6	961.8	822.3	701.6	582.8	462.7
40°	2211.7	1992.3	1788.2	1592.6	1394.5	1202.0	1029.9	874.8	738.2	607.6	482.6
37.5°	2382.3	2144.0	1919.7	1700.2	1486.9	1284.7	1095.4	924.0	773.0	635.5	501.4
35°	2562.8	2296.4	2041.3	1808.5	1582.1	1363.0	1156.8	973.6	813.0	662.6	519.1
32.5°	2737.2	2445.4	2171.9	1915.3	1673.0	1436.9	1220.0	1026.1	851.5	689.0	535.6
30°	2908.6	2595.0	2297.0	2016.4	1761.1	1514.4	1283.3	1075.2	888.2	714.5	552.2
27.5°	3066.6	2733.6	2416.8	2120.8	1847.6	1587.9	1343.1	1120.8	923.1	740.6	571.5
25°	3213.8	2866.9	2535.0	2221.3	1927.9	1657.5	1398.1	1162.9	958.6	767.9	589.4
22.5°	3351.9	2990.6	2642.2	2313.9	2002.3	1721.4	1451.8	1207.8	992.2	793.1	605.8
20°	3477.4	3102.1	2738.1	2397.8	2074.7	1782.3	1503.5	1248.0	1022.3	815.9	620.5
17.5°	3590.5	3204.0	2829.7	2476.2	2142.1	1836.4	1549.4	1283.5	1048.7	836.2	633.5
15°	3695.5	3296.6	2910.6	2544.6	2200.5	1883.5	1589.3	1314.1	1071.3	853.9	645.8
12.5°	3785.7	3376.0	2979.3	2602.8	2249.6	1923.4	1623.1	1339.7	1090.1	869.9	657.5
10°	3860.0	3441.6	3035.4	2650.4	2289.4	1955.9	1650.5	1361.3	1107.7	883.7	666.4
7.5°	3917.8	3493.0	3078.6	2687.0	2320.9	1983.0	1673.9	1379.9	1121.9	894.3	672.7
5°	3961.6	3533.2	3116.1	2717.8	2349.9	2005.0	1690.9	1393.3	1132.1	901.6	676.3
2.5°	4000.5	3563.3	3145.7	2737.7	2369.7	2019.3	1701.1	1401.3	1138.4	905.5	677.1
0°	4022.5	3577.9	3162.0	2746.2	2379.8	2025.7	1704.5	1404.0	1140.5	905.8	675.2
-2.5°	4000.5	3563.3	3145.7	2737.7	2369.7	2019.3	1701.1	1401.3	1138.4	905.5	677.1
-5°	3961.6	3533.2	3116.1	2717.8	2349.9	2005.0	1690.9	1393.3	1132.1	901.6	676.3
-7.5°	3917.8	3493.0	3078.6	2687.0	2320.9	1983.0	1673.9	1379.9	1121.9	894.3	672.7
-10°	3860.0	3441.6	3035.4	2650.4	2289.4	1955.9	1650.5	1361.3	1107.7	883.7	666.4
-12.5°	3785.7	3376.0	2979.3	2602.8	2249.6	1923.4	1623.1	1339.7	1090.1	869.9	657.5
-15°	3695.5	3296.6	2910.6	2544.6	2200.5	1883.5	1589.3	1314.1	1071.3	853.9	645.8
-17.5°	3590.5	3204.0	2829.7	2476.2	2142.1	1836.4	1549.4	1283.5	1048.7	836.2	633.5
-20°	3477.4	3102.1	2738.1	2397.8	2074.7	1782.3	1503.5	1248.0	1022.3	815.9	620.5



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3351.9	2990.6	2642.2	2313.9	2002.3	1721.4	1451.8	1207.8	992.2	793.1	605.8
-25°	3213.8	2866.9	2535.0	2221.3	1927.9	1657.5	1398.1	1162.9	958.6	767.9	589.4
-27.5°	3066.6	2733.6	2416.8	2120.8	1847.6	1587.9	1343.1	1120.8	923.1	740.6	571.5
-30°	2908.6	2595.0	2297.0	2016.4	1761.1	1514.4	1283.3	1075.2	888.2	714.5	552.2
-32.5°	2737.2	2445.4	2171.9	1915.3	1673.0	1436.9	1220.0	1026.1	851.5	689.0	535.6
-35°	2562.8	2296.4	2041.3	1808.5	1582.1	1363.0	1156.8	973.6	813.0	662.6	519.1
-37.5°	2382.3	2144.0	1919.7	1700.2	1486.9	1284.7	1095.4	924.0	773.0	635.5	501.4
-40°	2211.7	1992.3	1788.2	1592.6	1394.5	1202.0	1029.9	874.8	738.2	607.6	482.6
-42.5°	2036.3	1844.3	1660.2	1480.0	1300.0	1125.6	961.8	822.3	701.6	582.8	462.7
-45°	1871.4	1696.8	1532.0	1370.0	1203.4	1045.1	900.2	768.4	662.5	558.9	441.8
-47.5°	1706.4	1557.1	1408.2	1258.4	1111.1	964.2	835.3	722.7	621.6	533.9	419.0
-50°	1555.9	1421.8	1288.1	1150.9	1013.6	889.2	771.1	674.9	585.6	501.9	394.3
-52.5°	1411.2	1294.3	1169.5	1042.6	924.4	810.9	716.2	626.1	548.3	466.4	367.7
-55°	1272.9	1166.5	1050.2	940.3	834.8	744.1	659.3	583.5	509.8	429.1	339.7
-57.5°	1134.8	1036.0	937.7	840.2	754.1	677.9	607.6	539.9	468.1	390.9	312.8
-60°	998.5	914.4	826.9	749.8	678.2	614.6	558.7	494.3	424.8	352.0	281.7
-62.5°	869.0	795.2	729.4	663.3	604.9	554.7	508.5	446.3	380.8	312.6	248.2
-65°	745.8	688.0	632.4	580.6	533.7	492.4	453.9	397.5	333.7	271.7	214.5
-67.5°	626.3	582.9	539.2	497.2	462.7	429.6	396.8	343.1	284.5	229.4	182.3
-70°	517.9	481.3	448.6	420.6	393.2	365.1	331.1	284.9	233.8	190.1	149.2
-72.5°	411.3	386.8	365.0	344.4	321.7	294.9	264.0	226.5	187.2	150.0	115.2
-75°	305.9	295.8	284.9	270.3	249.3	225.3	201.1	172.0	139.6	109.1	87.0
-77.5°	222.0	215.6	207.9	199.1	182.7	163.5	141.5	116.5	95.4	78.4	60.7
-80°	146.8	145.2	141.7	135.0	119.6	102.3	89.2	75.6	62.4	48.6	34.2
-82.5°	81.3	82.1	82.0	79.6	70.3	60.4	50.1	39.4	29.2	18.6	14.8
-85°	38.9	38.0	35.9	32.6	25.7	18.5	16.1	13.9	12.6	11.3	9.9
-87.5°	11.8	11.9	11.9	11.8	10.5	9.3	8.1	7.0	6.3	5.6	5.0
-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: P627211 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-730-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°	4.3	3.6	2.9	2.2	1.4	0.6	0.0
85°	8.5	7.1	5.7	4.3	2.9	1.3	0.0
82.5°	12.8	10.7	8.6	6.4	4.3	1.9	0.0
80°	19.2	14.2	11.4	8.6	5.7	2.5	0.0
77.5°	41.8	22.3	14.2	10.7	7.1	3.1	0.0
75°	63.9	38.5	18.5	12.8	8.5	3.7	0.0
72.5°	85.2	54.3	29.5	14.8	9.8	4.3	0.0
70°	106.6	69.5	40.1	17.8	11.1	4.9	0.0
67.5°	132.2	84.1	50.3	24.4	12.4	5.5	0.0
65°	156.8	100.4	60.1	30.7	13.6	6.0	0.0
62.5°	180.1	118.3	69.3	36.7	14.8	6.6	0.0
60°	202.0	135.2	78.0	42.4	15.9	7.1	0.0
57.5°	225.2	151.1	89.5	47.7	19.1	7.6	0.0
55°	247.1	165.8	100.6	52.7	22.3	8.1	0.0
52.5°	267.4	179.9	110.8	57.4	25.3	8.5	0.0
50°	285.9	194.8	120.3	61.6	28.2	9.0	0.0
47.5°	303.3	208.4	128.9	66.0	30.9	9.4	0.0
45°	322.7	220.6	136.6	71.7	33.5	9.8	0.0
42.5°	340.4	231.6	143.5	76.9	36.0	10.2	0.0
40°	356.5	241.1	150.4	82.2	38.3	10.5	0.0
37.5°	371.0	249.2	157.2	87.4	40.5	10.8	0.0
35°	383.7	258.6	163.1	92.3	42.5	11.1	0.0
32.5°	395.4	268.0	168.0	96.8	44.4	11.4	0.0
30°	407.7	276.1	171.9	100.9	46.1	11.6	0.0
27.5°	418.6	282.7	177.8	104.6	47.6	11.8	0.0
25°	428.3	288.0	183.3	107.9	49.0	12.0	0.0
22.5°	436.6	293.3	188.2	110.9	50.2	12.2	0.0
20°	443.4	300.6	192.4	113.4	51.2	12.3	0.0
17.5°	452.0	306.5	195.9	115.6	52.1	12.4	0.0
15°	460.9	311.2	198.7	117.3	52.8	12.5	0.0
12.5°	468.1	314.5	200.9	118.6	53.3	12.5	0.0
10°	473.6	316.6	202.3	119.6	53.7	12.6	0.0
7.5°	477.4	317.4	203.2	120.1	53.9	12.6	0.0
5°	479.3	317.1	203.3	120.3	53.9	12.5	0.0
2.5°	479.4	315.5	202.8	120.0	53.8	12.5	0.0
0°	477.6	312.9	201.7	119.4	53.5	12.4	0.0
-2.5°	479.4	315.5	202.8	120.0	53.8	12.5	0.0
-5°	479.3	317.1	203.3	120.3	53.9	12.5	0.0
-7.5°	477.4	317.4	203.2	120.1	53.9	12.6	0.0
-10°	473.6	316.6	202.3	119.6	53.7	12.6	0.0
-12.5°	468.1	314.5	200.9	118.6	53.3	12.5	0.0
-15°	460.9	311.2	198.7	117.3	52.8	12.5	0.0
-17.5°	452.0	306.5	195.9	115.6	52.1	12.4	0.0
-20°	443.4	300.6	192.4	113.4	51.2	12.3	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	436.6	293.3	188.2	110.9	50.2	12.2	0.0
-25°	428.3	288.0	183.3	107.9	49.0	12.0	0.0
-27.5°	418.6	282.7	177.8	104.6	47.6	11.8	0.0
-30°	407.7	276.1	171.9	100.9	46.1	11.6	0.0
-32.5°	395.4	268.0	168.0	96.8	44.4	11.4	0.0
-35°	383.7	258.6	163.1	92.3	42.5	11.1	0.0
-37.5°	371.0	249.2	157.2	87.4	40.5	10.8	0.0
-40°	356.5	241.1	150.4	82.2	38.3	10.5	0.0
-42.5°	340.4	231.6	143.5	76.9	36.0	10.2	0.0
-45°	322.7	220.6	136.6	71.7	33.5	9.8	0.0
-47.5°	303.3	208.4	128.9	66.0	30.9	9.4	0.0
-50°	285.9	194.8	120.3	61.6	28.2	9.0	0.0
-52.5°	267.4	179.9	110.8	57.4	25.3	8.5	0.0
-55°	247.1	165.8	100.6	52.7	22.3	8.1	0.0
-57.5°	225.2	151.1	89.5	47.7	19.1	7.6	0.0
-60°	202.0	135.2	78.0	42.4	15.9	7.1	0.0
-62.5°	180.1	118.3	69.3	36.7	14.8	6.6	0.0
-65°	156.8	100.4	60.1	30.7	13.6	6.0	0.0
-67.5°	132.2	84.1	50.3	24.4	12.4	5.5	0.0
-70°	106.6	69.5	40.1	17.8	11.1	4.9	0.0
-72.5°	85.2	54.3	29.5	14.8	9.8	4.3	0.0
-75°	63.9	38.5	18.5	12.8	8.5	3.7	0.0
-77.5°	41.8	22.3	14.2	10.7	7.1	3.1	0.0
-80°	19.2	14.2	11.4	8.6	5.7	2.5	0.0
-82.5°	12.8	10.7	8.6	6.4	4.3	1.9	0.0
-85°	8.5	7.1	5.7	4.3	2.9	1.3	0.0
-87.5°	4.3	3.6	2.9	2.2	1.4	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)