

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: P627941 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6D-735-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627941 (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-SA6D-735-U-VWR-XX
Description: GALLEON FLOOD, SIX LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N147
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

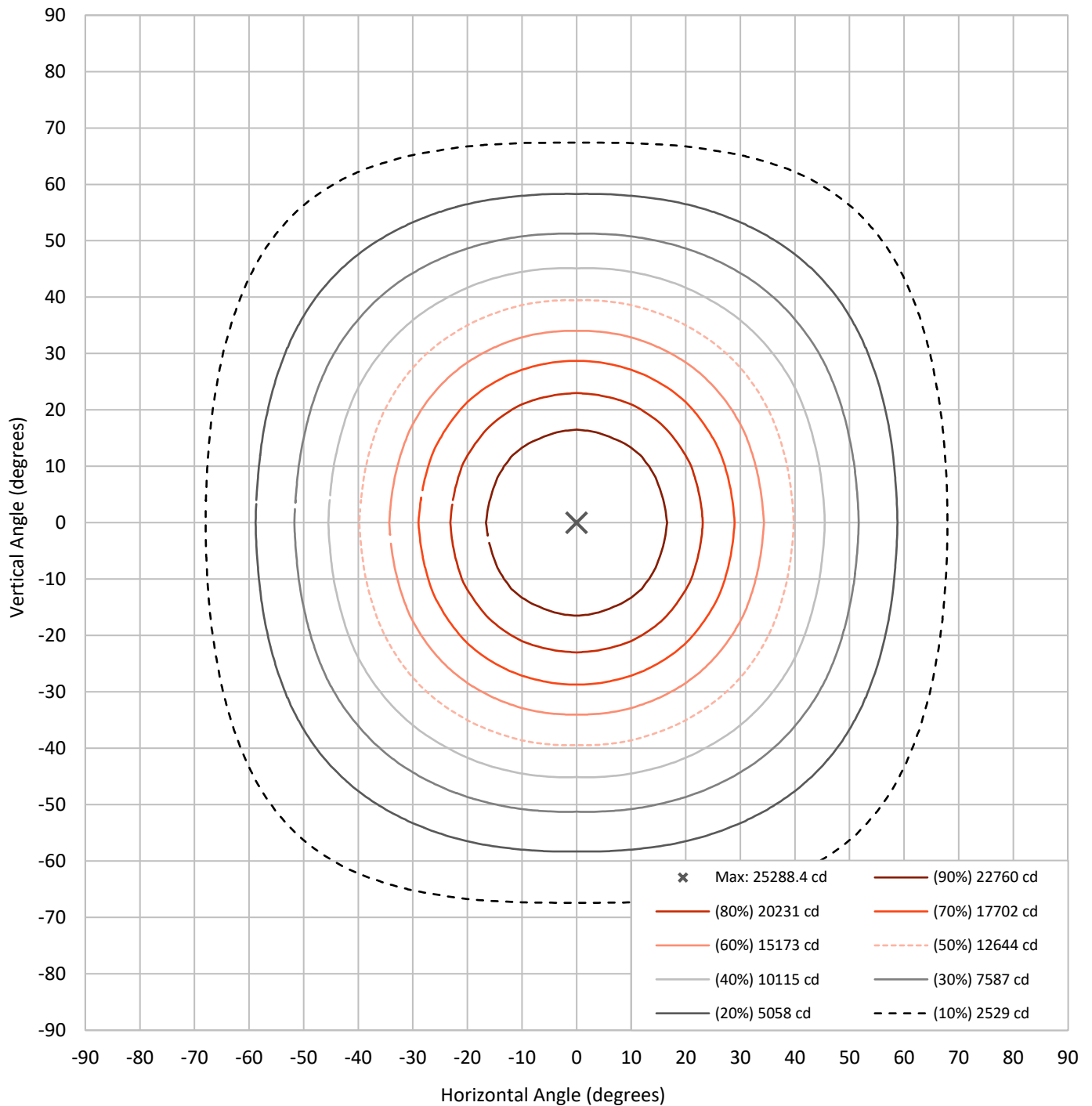
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	45706.6 lumens	Max Intensity:	25288.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	140.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' 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:	26807.1 lumens	Field Lumens:	43573.4 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	325.9		
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





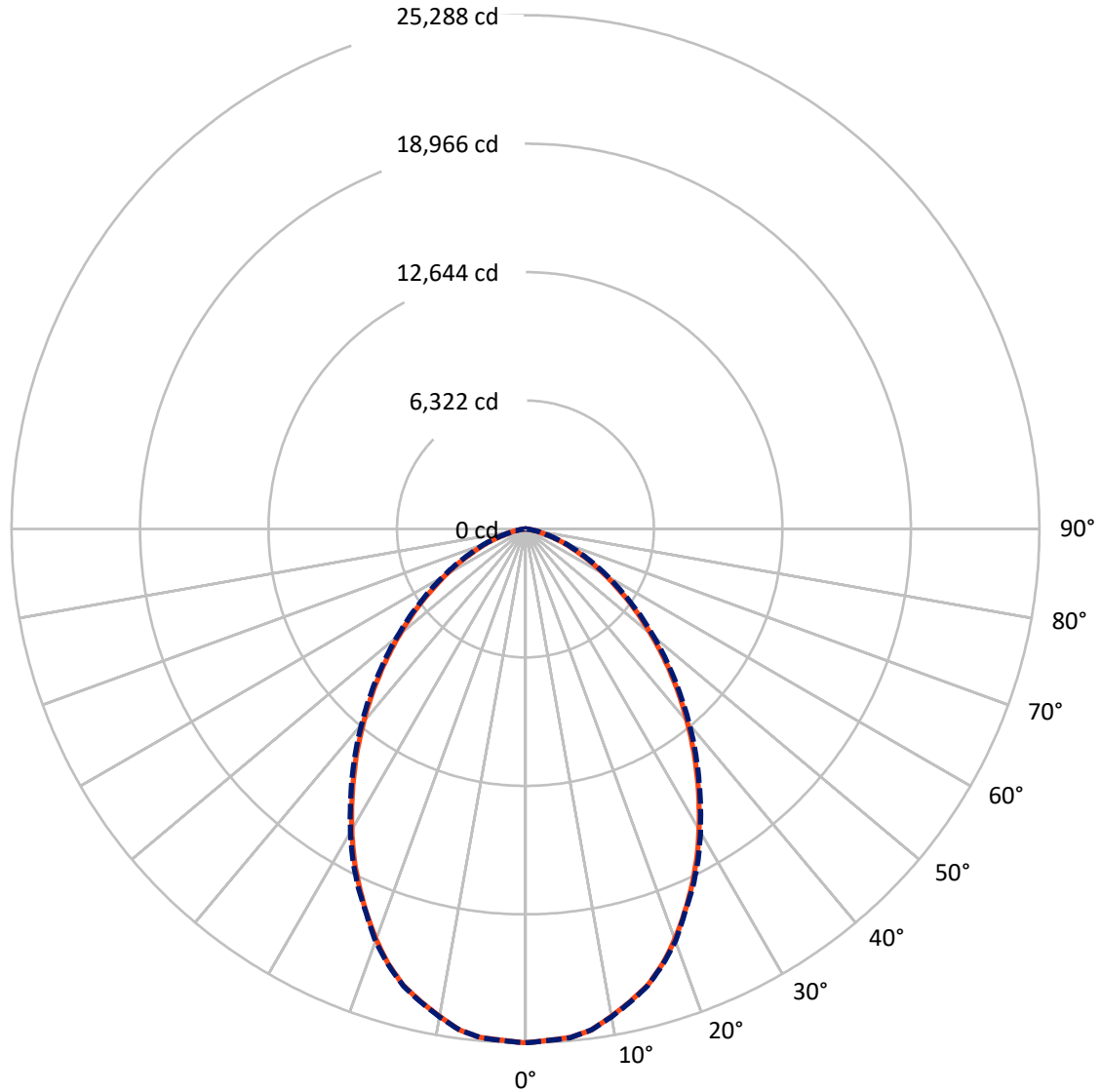
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Lumen Table

90																			
80	1.5	18.7	51.0	86.6	81.6	86.6	51.0	18.7	1.5										
70																			
60	8.5	11.7	23.7	40.3	59.0	76.2	89.1	95.3	95.3	89.1	76.2	59.0	40.3	23.7	11.7				8.5
50																			
40	14.9	17.6	38.4	68.6	103.8	141.1	171.7	187.7	187.7	171.7	141.1	103.8	68.6	38.4	17.6				14.9
30																			
20	19.2	23.6	55.6	102.6	162.6	225.3	278.0	306.7	306.7	278.0	225.3	162.6	102.6	55.6	23.6				19.2
10																			
0	20.9	29.9	73.6	141.3	227.6	319.1	397.2	441.6	441.6	397.2	319.1	227.6	141.3	73.6	29.9				20.9
-10																			
-20	19.2	35.7	90.6	177.6	289.7	411.3	517.3	578.2	578.2	517.3	411.3	289.7	177.6	90.6	35.7				19.2
-30																			
-40	14.9	40.3	103.7	204.8	338.3	486.1	616.5	690.7	690.7	616.5	486.1	338.3	204.8	103.7	40.3				14.9
-50																			
-60	8.5	42.8	110.9	220.3	365.3	527.5	670.1	748.1	748.1	670.1	527.5	365.3	220.3	110.9	42.8				8.5
-70																			
-80	1.5	42.8	110.9	220.3	365.3	527.5	670.1	748.1	748.1	670.1	527.5	365.3	220.3	110.9	42.8				1.5
-90																			

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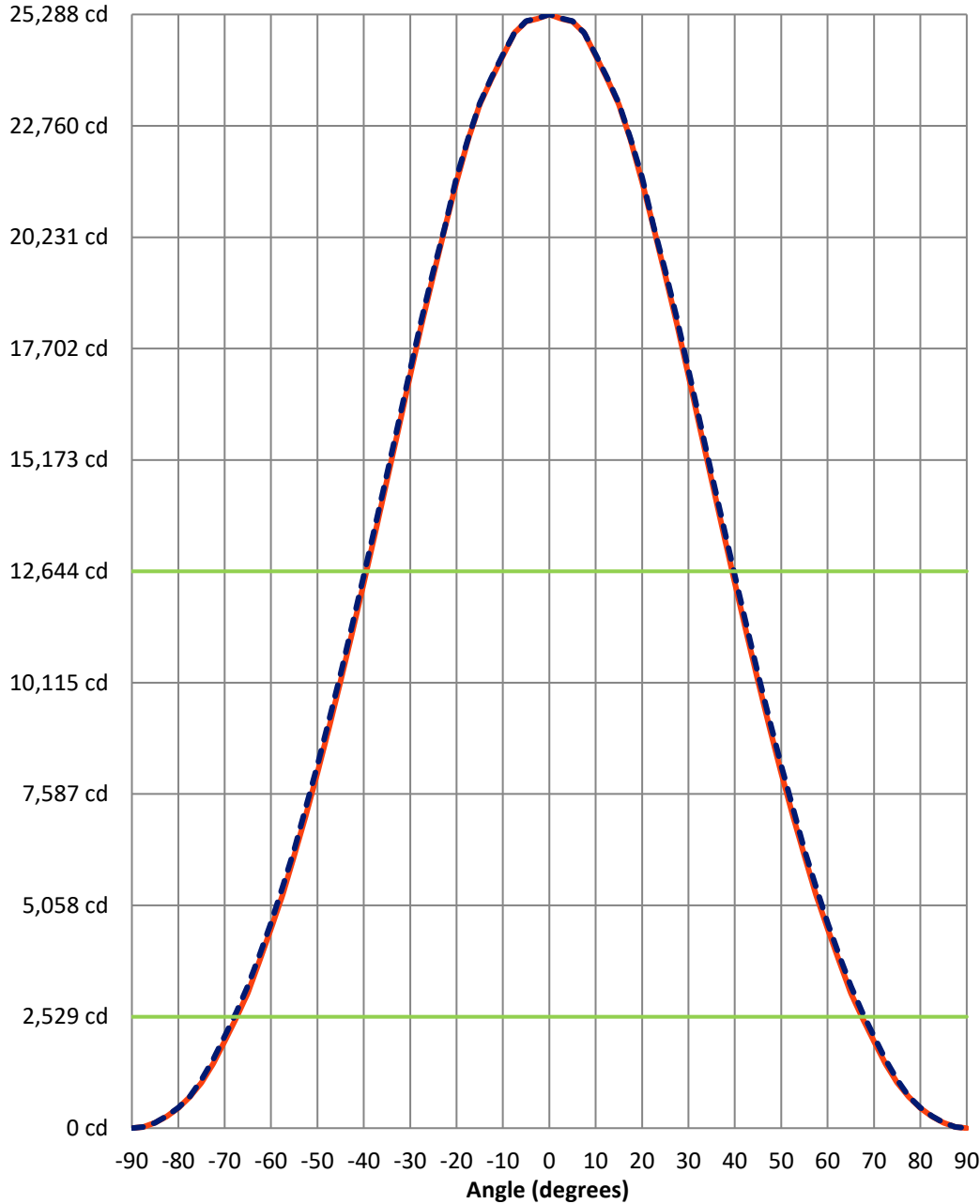
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 26807.1
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 43573.4
 Efficiency: 95.3%

Spill:
 Lumens: 2133.2
 Efficiency: 4.7%

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

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Scaled Data Report



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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	1.4	3.3	4.9	6.6	8.2	9.8	11.4	13.0	14.5	16.0
85°	0.0	2.9	6.6	9.9	13.1	16.4	19.6	22.8	25.9	29.0	32.0
82.5°	0.0	4.3	9.9	14.8	19.7	24.5	29.3	34.1	42.7	67.2	90.7
80°	0.0	5.7	13.1	19.7	26.2	32.7	44.2	78.6	111.8	143.6	174.2
77.5°	0.0	7.1	16.3	24.5	32.7	51.2	96.2	139.6	180.5	219.7	268.3
75°	0.0	8.5	19.4	29.3	42.5	88.6	147.0	200.2	251.3	321.5	395.9
72.5°	0.0	9.9	22.5	34.1	67.8	124.9	196.2	265.3	345.5	430.9	521.3
70°	0.0	11.2	25.5	40.9	92.3	159.9	245.4	343.4	437.7	538.3	655.9
67.5°	0.0	12.5	28.4	56.0	115.8	193.5	304.5	419.7	528.0	655.0	789.9
65°	0.0	13.8	31.3	70.5	138.2	231.1	361.0	493.9	625.5	768.3	915.2
62.5°	0.0	15.1	34.0	84.4	159.5	272.2	414.6	571.4	719.7	876.6	1027.4
60°	0.0	16.3	36.6	97.5	179.5	311.2	465.1	648.4	810.4	977.9	1137.9
57.5°	0.0	17.4	44.0	109.9	206.1	347.7	518.3	720.2	899.8	1077.5	1242.8
55°	0.0	18.5	51.2	121.4	231.5	381.8	568.8	782.1	987.8	1173.6	1343.3
52.5°	0.0	19.6	58.1	132.0	255.1	414.1	615.5	846.5	1073.7	1262.1	1441.3
50°	0.0	20.6	64.7	141.7	276.9	448.4	658.2	907.7	1155.2	1348.0	1553.7
47.5°	0.0	21.5	71.1	151.8	296.7	479.7	698.3	964.5	1229.1	1431.1	1663.7
45°	0.0	22.5	77.1	165.0	314.5	507.9	742.9	1017.0	1286.6	1525.2	1769.1
42.5°	0.0	23.3	82.8	176.9	330.3	533.1	783.7	1065.2	1341.6	1615.2	1893.1
40°	0.0	24.1	88.1	189.1	346.2	555.0	820.8	1110.9	1398.8	1699.5	2013.9
37.5°	0.0	24.8	93.1	201.1	361.9	573.8	854.0	1154.2	1462.9	1779.5	2127.2
35°	0.0	25.5	97.8	212.3	375.4	595.4	883.2	1194.9	1525.5	1871.6	2241.4
32.5°	0.0	26.1	102.1	222.7	386.7	617.1	910.3	1233.1	1586.2	1960.2	2362.3
30°	0.0	26.7	106.0	232.2	395.8	635.6	938.5	1271.3	1644.8	2044.8	2475.3
27.5°	0.0	27.1	109.5	240.8	409.3	650.9	963.8	1315.6	1705.1	2125.1	2580.1
25°	0.0	27.6	112.7	248.4	422.0	663.1	986.0	1356.8	1768.0	2206.9	2677.2
22.5°	0.0	27.9	115.5	255.2	433.2	675.3	1005.1	1394.6	1825.8	2284.3	2780.4
20°	0.0	28.2	117.9	261.1	442.9	692.1	1020.9	1428.5	1878.3	2353.4	2873.0
17.5°	0.0	28.4	119.9	266.0	451.0	705.8	1040.5	1458.4	1925.1	2414.1	2954.7
15°	0.0	28.6	121.5	270.0	457.5	716.4	1061.0	1486.9	1965.8	2466.2	3025.1
12.5°	0.0	28.7	122.7	273.1	462.5	724.1	1077.7	1513.7	2002.6	2509.4	3084.1
10°	0.0	28.8	123.6	275.3	465.9	728.9	1090.3	1534.3	2034.4	2549.9	3133.8
7.5°	0.0	28.8	124.0	276.5	467.8	730.8	1099.0	1548.7	2058.8	2582.6	3176.7
5°	0.0	28.7	124.1	276.9	468.2	730.0	1103.4	1556.9	2075.7	2606.3	3207.4
2.5°	0.0	28.6	123.8	276.3	467.0	726.5	1103.6	1558.8	2084.6	2620.7	3225.9
0°	0.0	28.4	123.2	274.9	464.4	720.4	1099.5	1554.5	2085.3	2625.5	3232.1
-2.5°	0.0	28.6	123.8	276.3	467.0	726.5	1103.6	1558.8	2084.6	2620.7	3225.9
-5°	0.0	28.7	124.1	276.9	468.2	730.0	1103.4	1556.9	2075.7	2606.3	3207.4
-7.5°	0.0	28.8	124.0	276.5	467.8	730.8	1099.0	1548.7	2058.8	2582.6	3176.7
-10°	0.0	28.8	123.6	275.3	465.9	728.9	1090.3	1534.3	2034.4	2549.9	3133.8
-12.5°	0.0	28.7	122.7	273.1	462.5	724.1	1077.7	1513.7	2002.6	2509.4	3084.1
-15°	0.0	28.6	121.5	270.0	457.5	716.4	1061.0	1486.9	1965.8	2466.2	3025.1
-17.5°	0.0	28.4	119.9	266.0	451.0	705.8	1040.5	1458.4	1925.1	2414.1	2954.7
-20°	0.0	28.2	117.9	261.1	442.9	692.1	1020.9	1428.5	1878.3	2353.4	2873.0



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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	27.9	115.5	255.2	433.2	675.3	1005.1	1394.6	1825.8	2284.3	2780.4
-25°	0.0	27.6	112.7	248.4	422.0	663.1	986.0	1356.8	1768.0	2206.9	2677.2
-27.5°	0.0	27.1	109.5	240.8	409.3	650.9	963.8	1315.6	1705.1	2125.1	2580.1
-30°	0.0	26.7	106.0	232.2	395.8	635.6	938.5	1271.3	1644.8	2044.8	2475.3
-32.5°	0.0	26.1	102.1	222.7	386.7	617.1	910.3	1233.1	1586.2	1960.2	2362.3
-35°	0.0	25.5	97.8	212.3	375.4	595.4	883.2	1194.9	1525.5	1871.6	2241.4
-37.5°	0.0	24.8	93.1	201.1	361.9	573.8	854.0	1154.2	1462.9	1779.5	2127.2
-40°	0.0	24.1	88.1	189.1	346.2	555.0	820.8	1110.9	1398.8	1699.5	2013.9
-42.5°	0.0	23.3	82.8	176.9	330.3	533.1	783.7	1065.2	1341.6	1615.2	1893.1
-45°	0.0	22.5	77.1	165.0	314.5	507.9	742.9	1017.0	1286.6	1525.2	1769.1
-47.5°	0.0	21.5	71.1	151.8	296.7	479.7	698.3	964.5	1229.1	1431.1	1663.7
-50°	0.0	20.6	64.7	141.7	276.9	448.4	658.2	907.7	1155.2	1348.0	1553.7
-52.5°	0.0	19.6	58.1	132.0	255.1	414.1	615.5	846.5	1073.7	1262.1	1441.3
-55°	0.0	18.5	51.2	121.4	231.5	381.8	568.8	782.1	987.8	1173.6	1343.3
-57.5°	0.0	17.4	44.0	109.9	206.1	347.7	518.3	720.2	899.8	1077.5	1242.8
-60°	0.0	16.3	36.6	97.5	179.5	311.2	465.1	648.4	810.4	977.9	1137.9
-62.5°	0.0	15.1	34.0	84.4	159.5	272.2	414.6	571.4	719.7	876.6	1027.4
-65°	0.0	13.8	31.3	70.5	138.2	231.1	361.0	493.9	625.5	768.3	915.2
-67.5°	0.0	12.5	28.4	56.0	115.8	193.5	304.5	419.7	528.0	655.0	789.9
-70°	0.0	11.2	25.5	40.9	92.3	159.9	245.4	343.4	437.7	538.3	655.9
-72.5°	0.0	9.9	22.5	34.1	67.8	124.9	196.2	265.3	345.5	430.9	521.3
-75°	0.0	8.5	19.4	29.3	42.5	88.6	147.0	200.2	251.3	321.5	395.9
-77.5°	0.0	7.1	16.3	24.5	32.7	51.2	96.2	139.6	180.5	219.7	268.3
-80°	0.0	5.7	13.1	19.7	26.2	32.7	44.2	78.6	111.8	143.6	174.2
-82.5°	0.0	4.3	9.9	14.8	19.7	24.5	29.3	34.1	42.7	67.2	90.7
-85°	0.0	2.9	6.6	9.9	13.1	16.4	19.6	22.8	25.9	29.0	32.0
-87.5°	0.0	1.4	3.3	4.9	6.6	8.2	9.8	11.4	13.0	14.5	16.0
-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°	18.6	21.3	24.2	27.2	27.4	27.4	27.2	26.8	27.9	29.0	30.1
85°	37.1	42.5	59.1	75.0	82.7	87.5	89.6	89.2	103.8	120.6	138.9
82.5°	115.3	139.1	161.8	183.4	188.9	189.1	187.2	187.8	221.9	261.0	301.0
80°	205.4	235.5	275.5	311.0	326.4	334.3	338.0	337.4	380.5	438.0	498.4
77.5°	325.8	376.5	420.7	458.3	478.5	496.4	511.0	522.1	577.6	650.2	722.2
75°	462.9	518.7	574.0	622.3	656.0	681.0	704.3	741.7	814.4	899.1	972.9
72.5°	607.7	678.8	740.5	792.9	840.2	890.5	946.7	1008.3	1085.0	1169.6	1246.8
70°	762.4	840.5	905.1	968.2	1032.7	1108.0	1192.3	1275.4	1360.9	1454.3	1544.2
67.5°	913.6	989.0	1065.1	1144.7	1241.2	1342.0	1441.8	1556.3	1673.4	1777.1	1869.9
65°	1045.0	1133.5	1228.6	1336.6	1455.9	1583.9	1717.0	1854.3	2003.0	2127.5	2241.1
62.5°	1170.6	1276.9	1392.5	1527.0	1679.0	1830.6	2000.5	2172.5	2339.7	2486.5	2622.1
60°	1286.2	1414.9	1561.2	1726.1	1903.6	2105.1	2298.6	2494.1	2677.5	2843.8	3015.3
57.5°	1398.7	1560.7	1736.1	1934.1	2158.6	2385.0	2612.4	2822.7	3030.4	3232.9	3426.9
55°	1517.7	1713.0	1921.7	2164.7	2417.7	2685.5	2930.3	3165.1	3393.9	3639.7	3873.3
52.5°	1648.7	1866.8	2128.1	2400.1	2692.3	2979.7	3248.7	3516.1	3792.7	4070.8	4375.0
50°	1775.1	2047.1	2333.5	2649.6	2965.4	3273.2	3581.7	3889.8	4221.1	4562.3	4906.9
47.5°	1922.9	2219.6	2557.9	2897.0	3241.9	3584.6	3928.4	4300.6	4677.0	5072.7	5453.9
45°	2072.4	2406.0	2770.4	3153.9	3526.9	3906.3	4308.3	4719.7	5161.2	5596.3	6054.9
42.5°	2214.0	2591.2	2992.9	3407.0	3822.0	4245.8	4687.8	5168.6	5651.0	6152.8	6656.7
40°	2371.0	2767.3	3210.2	3666.4	4116.7	4586.5	5091.7	5612.4	6158.1	6709.9	7257.2
37.5°	2521.8	2957.5	3423.1	3914.1	4419.4	4935.8	5484.3	6075.2	6667.2	7261.0	7864.5
35°	2663.1	3137.9	3642.2	4163.5	4699.3	5286.7	5899.9	6530.7	7172.0	7814.2	8463.5
32.5°	2808.5	3307.9	3851.5	4409.4	4999.9	5629.8	6301.4	6985.0	7668.0	8353.8	9064.4
30°	2954.2	3486.3	4054.3	4642.0	5287.9	5974.2	6696.0	7420.1	8142.7	8897.3	9654.6
27.5°	3091.9	3655.5	4253.5	4882.4	5563.9	6293.1	7059.7	7835.3	8614.4	9416.7	10224.5
25°	3218.7	3815.8	4438.4	5113.7	5836.0	6600.0	7398.6	8208.0	9062.3	9920.9	10764.4
22.5°	3342.3	3963.0	4609.6	5326.8	6082.7	6884.9	7716.5	8571.2	9464.0	10386.0	11258.9
20°	3461.2	4103.2	4776.3	5519.9	6303.5	7141.5	8005.6	8900.4	9837.1	10783.8	11722.7
17.5°	3566.9	4227.8	4931.4	5700.4	6514.3	7376.0	8265.9	9190.2	10168.6	11149.9	12144.8
15°	3658.8	4336.2	5065.8	5858.0	6700.6	7589.2	8507.5	9458.2	10461.8	11483.5	12517.8
12.5°	3736.6	4428.0	5178.9	5991.9	6858.7	7772.0	8715.2	9699.2	10729.9	11780.3	12844.5
10°	3799.8	4502.9	5270.5	6101.4	6987.8	7923.1	8886.2	9898.0	10959.5	12032.8	13119.4
7.5°	3853.6	4565.3	5343.1	6185.8	7087.3	8041.4	9019.4	10053.0	11142.4	12229.6	13340.1
5°	3892.7	4615.8	5409.8	6256.6	7173.8	8133.9	9120.2	10163.4	11276.2	12369.8	13500.2
2.5°	3916.2	4648.7	5455.2	6302.5	7241.8	8203.1	9209.9	10261.0	11374.2	12481.1	13620.6
0°	3924.1	4663.4	5478.5	6322.1	7279.4	8236.7	9260.4	10312.5	11421.5	12549.4	13696.3
-2.5°	3916.2	4648.7	5455.2	6302.5	7241.8	8203.1	9209.9	10261.0	11374.2	12481.1	13620.6
-5°	3892.7	4615.8	5409.8	6256.6	7173.8	8133.9	9120.2	10163.4	11276.2	12369.8	13500.2
-7.5°	3853.6	4565.3	5343.1	6185.8	7087.3	8041.4	9019.4	10053.0	11142.4	12229.6	13340.1
-10°	3799.8	4502.9	5270.5	6101.4	6987.8	7923.1	8886.2	9898.0	10959.5	12032.8	13119.4
-12.5°	3736.6	4428.0	5178.9	5991.9	6858.7	7772.0	8715.2	9699.2	10729.9	11780.3	12844.5
-15°	3658.8	4336.2	5065.8	5858.0	6700.6	7589.2	8507.5	9458.2	10461.8	11483.5	12517.8
-17.5°	3566.9	4227.8	4931.4	5700.4	6514.3	7376.0	8265.9	9190.2	10168.6	11149.9	12144.8
-20°	3461.2	4103.2	4776.3	5519.9	6303.5	7141.5	8005.6	8900.4	9837.1	10783.8	11722.7



REPORT NUMBER: P627941 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-735-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°	3342.3	3963.0	4609.6	5326.8	6082.7	6884.9	7716.5	8571.2	9464.0	10386.0	11258.9
-25°	3218.7	3815.8	4438.4	5113.7	5836.0	6600.0	7398.6	8208.0	9062.3	9920.9	10764.4
-27.5°	3091.9	3655.5	4253.5	4882.4	5563.9	6293.1	7059.7	7835.3	8614.4	9416.7	10224.5
-30°	2954.2	3486.3	4054.3	4642.0	5287.9	5974.2	6696.0	7420.1	8142.7	8897.3	9654.6
-32.5°	2808.5	3307.9	3851.5	4409.4	4999.9	5629.8	6301.4	6985.0	7668.0	8353.8	9064.4
-35°	2663.1	3137.9	3642.2	4163.5	4699.3	5286.7	5899.9	6530.7	7172.0	7814.2	8463.5
-37.5°	2521.8	2957.5	3423.1	3914.1	4419.4	4935.8	5484.3	6075.2	6667.2	7261.0	7864.5
-40°	2371.0	2767.3	3210.2	3666.4	4116.7	4586.5	5091.7	5612.4	6158.1	6709.9	7257.2
-42.5°	2214.0	2591.2	2992.9	3407.0	3822.0	4245.8	4687.8	5168.6	5651.0	6152.8	6656.7
-45°	2072.4	2406.0	2770.4	3153.9	3526.9	3906.3	4308.3	4719.7	5161.2	5596.3	6054.9
-47.5°	1922.9	2219.6	2557.9	2897.0	3241.9	3584.6	3928.4	4300.6	4677.0	5072.7	5453.9
-50°	1775.1	2047.1	2333.5	2649.6	2965.4	3273.2	3581.7	3889.8	4221.1	4562.3	4906.9
-52.5°	1648.7	1866.8	2128.1	2400.1	2692.3	2979.7	3248.7	3516.1	3792.7	4070.8	4375.0
-55°	1517.7	1713.0	1921.7	2164.7	2417.7	2685.5	2930.3	3165.1	3393.9	3639.7	3873.3
-57.5°	1398.7	1560.7	1736.1	1934.1	2158.6	2385.0	2612.4	2822.7	3030.4	3232.9	3426.9
-60°	1286.2	1414.9	1561.2	1726.1	1903.6	2105.1	2298.6	2494.1	2677.5	2843.8	3015.3
-62.5°	1170.6	1276.9	1392.5	1527.0	1679.0	1830.6	2000.5	2172.5	2339.7	2486.5	2622.1
-65°	1045.0	1133.5	1228.6	1336.6	1455.9	1583.9	1717.0	1854.3	2003.0	2127.5	2241.1
-67.5°	913.6	989.0	1065.1	1144.7	1241.2	1342.0	1441.8	1556.3	1673.4	1777.1	1869.9
-70°	762.4	840.5	905.1	968.2	1032.7	1108.0	1192.3	1275.4	1360.9	1454.3	1544.2
-72.5°	607.7	678.8	740.5	792.9	840.2	890.5	946.7	1008.3	1085.0	1169.6	1246.8
-75°	462.9	518.7	574.0	622.3	656.0	681.0	704.3	741.7	814.4	899.1	972.9
-77.5°	325.8	376.5	420.7	458.3	478.5	496.4	511.0	522.1	577.6	650.2	722.2
-80°	205.4	235.5	275.5	311.0	326.4	334.3	338.0	337.4	380.5	438.0	498.4
-82.5°	115.3	139.1	161.8	183.4	188.9	189.1	187.2	187.8	221.9	261.0	301.0
-85°	37.1	42.5	59.1	75.0	82.7	87.5	89.6	89.2	103.8	120.6	138.9
-87.5°	18.6	21.3	24.2	27.2	27.4	27.4	27.2	26.8	27.9	29.0	30.1
-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: P627941 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-735-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°	31.0	32.0	32.8	33.6	34.3	35.0	35.6	36.1	36.6	34.7	32.7
85°	158.4	169.6	180.0	190.0	199.5	208.6	217.0	224.9	232.1	212.0	189.8
82.5°	341.9	369.4	395.4	421.4	447.1	453.7	455.7	454.7	451.1	415.8	376.7
80°	558.1	604.6	648.4	691.8	734.7	739.5	734.6	725.8	713.3	666.9	614.4
77.5°	794.1	852.6	903.8	950.7	993.4	1001.5	1000.3	998.2	994.6	947.4	890.1
75°	1036.1	1093.3	1148.5	1195.4	1234.5	1252.5	1261.3	1267.5	1271.0	1237.0	1192.5
72.5°	1316.6	1376.1	1424.8	1470.3	1508.8	1536.7	1556.8	1571.9	1582.3	1571.9	1553.7
70°	1620.9	1684.8	1738.5	1789.9	1842.2	1884.2	1915.8	1938.8	1953.3	1962.9	1969.6
67.5°	1963.6	2049.3	2124.1	2188.0	2251.3	2310.5	2359.2	2399.0	2429.7	2455.9	2475.9
65°	2349.7	2459.3	2556.4	2645.7	2727.4	2813.4	2884.0	2943.2	2990.8	3030.2	3061.8
62.5°	2755.7	2890.0	3014.7	3135.7	3254.3	3371.1	3460.8	3542.4	3614.9	3677.4	3727.0
60°	3177.5	3330.1	3497.6	3657.3	3804.3	3938.7	4072.1	4187.6	4286.5	4368.5	4434.7
57.5°	3631.0	3828.6	4024.3	4222.7	4410.2	4585.7	4749.9	4894.8	5017.2	5117.7	5202.0
55°	4120.9	4368.0	4594.9	4845.2	5087.0	5307.3	5501.1	5671.5	5818.9	5942.3	6047.1
52.5°	4659.4	4959.7	5254.5	5539.3	5813.9	6069.3	6301.5	6499.9	6676.3	6827.6	6948.3
50°	5248.6	5592.3	5934.0	6250.8	6566.3	6860.7	7126.7	7356.9	7562.3	7740.1	7880.0
47.5°	5865.0	6256.1	6637.6	7000.3	7349.5	7676.7	7964.8	8227.2	8483.3	8692.1	8857.2
45°	6504.9	6943.7	7364.6	7779.3	8163.8	8530.5	8885.9	9212.7	9475.5	9705.6	9898.8
42.5°	7152.7	7642.1	8113.5	8565.8	8988.6	9412.7	9812.5	10169.7	10469.4	10731.1	10950.6
40°	7808.9	8344.7	8864.0	9357.2	9840.5	10302.9	10735.4	11112.2	11450.1	11760.8	12019.6
37.5°	8461.7	9051.2	9626.5	10179.1	10711.3	11212.2	11679.4	12105.2	12486.6	12840.4	13127.8
35°	9117.5	9764.2	10394.1	11002.1	11583.4	12136.2	12647.7	13132.2	13581.6	13940.1	14234.1
32.5°	9770.7	10466.0	11151.5	11820.8	12457.1	13053.0	13607.3	14142.6	14605.0	14999.0	15337.0
30°	10402.9	11156.1	11902.5	12628.2	13315.6	13961.3	14575.0	15141.1	15638.3	16069.2	16448.4
27.5°	11023.1	11832.3	12633.2	13408.5	14151.7	14853.4	15523.1	16136.9	16679.6	17147.9	17547.7
25°	11609.3	12479.1	13332.8	14154.9	14948.7	15722.7	16445.9	17115.7	17695.3	18209.4	18620.2
22.5°	12169.5	13097.0	13994.0	14858.8	15707.9	16542.2	17333.9	18033.4	18647.6	19185.1	19639.8
20°	12691.3	13685.2	14602.9	15517.6	16412.0	17302.8	18152.8	18890.8	19540.7	20112.9	20614.1
17.5°	13179.1	14198.6	15164.9	16138.6	17081.2	18015.8	18879.4	19670.4	20371.6	20979.2	21504.1
15°	13592.0	14621.6	15676.9	16716.5	17710.6	18656.9	19519.7	20345.9	21124.5	21781.6	22313.9
12.5°	13926.3	14997.1	16098.0	17201.7	18252.9	19198.0	20101.3	20939.5	21757.2	22495.4	22984.6
10°	14211.3	15313.9	16450.4	17575.9	18641.3	19641.3	20623.3	21509.5	22313.1	22974.1	23520.5
7.5°	14457.7	15593.4	16747.7	17875.1	18936.9	19970.1	20981.1	21922.3	22733.5	23356.2	23843.5
5°	14639.4	15802.1	16978.7	18116.5	19193.1	20229.6	21245.3	22174.6	22966.5	23600.1	24131.5
2.5°	14769.4	15943.0	17128.1	18267.5	19368.0	20407.1	21448.1	22387.8	23154.7	23735.2	24244.1
0°	14852.7	16028.0	17222.3	18388.1	19468.7	20473.4	21591.8	22473.3	23269.5	23847.7	24378.5
-2.5°	14769.4	15943.0	17128.1	18267.5	19368.0	20407.1	21448.1	22387.8	23154.7	23735.2	24244.1
-5°	14639.4	15802.1	16978.7	18116.5	19193.1	20229.6	21245.3	22174.6	22966.5	23600.1	24131.5
-7.5°	14457.7	15593.4	16747.7	17875.1	18936.9	19970.1	20981.1	21922.3	22733.5	23356.2	23843.5
-10°	14211.3	15313.9	16450.4	17575.9	18641.3	19641.3	20623.3	21509.5	22313.1	22974.1	23520.5
-12.5°	13926.3	14997.1	16098.0	17201.7	18252.9	19198.0	20101.3	20939.5	21757.2	22495.4	22984.6
-15°	13592.0	14621.6	15676.9	16716.5	17710.6	18656.9	19519.7	20345.9	21124.5	21781.6	22313.9
-17.5°	13179.1	14198.6	15164.9	16138.6	17081.2	18015.8	18879.4	19670.4	20371.6	20979.2	21504.1
-20°	12691.3	13685.2	14602.9	15517.6	16412.0	17302.8	18152.8	18890.8	19540.7	20112.9	20614.1



REPORT NUMBER: P627941 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12169.5	13097.0	13994.0	14858.8	15707.9	16542.2	17333.9	18033.4	18647.6	19185.1	19639.8
-25°	11609.3	12479.1	13332.8	14154.9	14948.7	15722.7	16445.9	17115.7	17695.3	18209.4	18620.2
-27.5°	11023.1	11832.3	12633.2	13408.5	14151.7	14853.4	15523.1	16136.9	16679.6	17147.9	17547.7
-30°	10402.9	11156.1	11902.5	12628.2	13315.6	13961.3	14575.0	15141.1	15638.3	16069.2	16448.4
-32.5°	9770.7	10466.0	11151.5	11820.8	12457.1	13053.0	13607.3	14142.6	14605.0	14999.0	15337.0
-35°	9117.5	9764.2	10394.1	11002.1	11583.4	12136.2	12647.7	13132.2	13581.6	13940.1	14234.1
-37.5°	8461.7	9051.2	9626.5	10179.1	10711.3	11212.2	11679.4	12105.2	12486.6	12840.4	13127.8
-40°	7808.9	8344.7	8864.0	9357.2	9840.5	10302.9	10735.4	11112.2	11450.1	11760.8	12019.6
-42.5°	7152.7	7642.1	8113.5	8565.8	8988.6	9412.7	9812.5	10169.7	10469.4	10731.1	10950.6
-45°	6504.9	6943.7	7364.6	7779.3	8163.8	8530.5	8885.9	9212.7	9475.5	9705.6	9898.8
-47.5°	5865.0	6256.1	6637.6	7000.3	7349.5	7676.7	7964.8	8227.2	8483.3	8692.1	8857.2
-50°	5248.6	5592.3	5934.0	6250.8	6566.3	6860.7	7126.7	7356.9	7562.3	7740.1	7880.0
-52.5°	4659.4	4959.7	5254.5	5539.3	5813.9	6069.3	6301.5	6499.9	6676.3	6827.6	6948.3
-55°	4120.9	4368.0	4594.9	4845.2	5087.0	5307.3	5501.1	5671.5	5818.9	5942.3	6047.1
-57.5°	3631.0	3828.6	4024.3	4222.7	4410.2	4585.7	4749.9	4894.8	5017.2	5117.7	5202.0
-60°	3177.5	3330.1	3497.6	3657.3	3804.3	3938.7	4072.1	4187.6	4286.5	4368.5	4434.7
-62.5°	2755.7	2890.0	3014.7	3135.7	3254.3	3371.1	3460.8	3542.4	3614.9	3677.4	3727.0
-65°	2349.7	2459.3	2556.4	2645.7	2727.4	2813.4	2884.0	2943.2	2990.8	3030.2	3061.8
-67.5°	1963.6	2049.3	2124.1	2188.0	2251.3	2310.5	2359.2	2399.0	2429.7	2455.9	2475.9
-70°	1620.9	1684.8	1738.5	1789.9	1842.2	1884.2	1915.8	1938.8	1953.3	1962.9	1969.6
-72.5°	1316.6	1376.1	1424.8	1470.3	1508.8	1536.7	1556.8	1571.9	1582.3	1571.9	1553.7
-75°	1036.1	1093.3	1148.5	1195.4	1234.5	1252.5	1261.3	1267.5	1271.0	1237.0	1192.5
-77.5°	794.1	852.6	903.8	950.7	993.4	1001.5	1000.3	998.2	994.6	947.4	890.1
-80°	558.1	604.6	648.4	691.8	734.7	739.5	734.6	725.8	713.3	666.9	614.4
-82.5°	341.9	369.4	395.4	421.4	447.1	453.7	455.7	454.7	451.1	415.8	376.7
-85°	158.4	169.6	180.0	190.0	199.5	208.6	217.0	224.9	232.1	212.0	189.8
-87.5°	31.0	32.0	32.8	33.6	34.3	35.0	35.6	36.1	36.6	34.7	32.7
-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: P627941 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-735-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°	30.5	28.3	28.4	28.4	28.4	28.3	30.5	32.7	34.7	36.6	36.1
85°	166.2	141.5	132.5	123.2	132.5	141.5	166.2	189.8	212.0	232.1	224.9
82.5°	335.6	292.8	279.3	265.4	279.3	292.8	335.6	376.7	415.8	451.1	454.7
80°	559.0	501.1	478.3	455.0	478.3	501.1	559.0	614.4	666.9	713.3	725.8
77.5°	829.6	766.0	738.8	710.9	738.8	766.0	829.6	890.1	947.4	994.6	998.2
75°	1145.6	1095.8	1065.6	1033.1	1065.6	1095.8	1145.6	1192.5	1237.0	1271.0	1267.5
72.5°	1532.9	1508.5	1486.6	1459.7	1486.6	1508.5	1532.9	1553.7	1571.9	1582.3	1571.9
70°	1971.8	1968.7	1972.7	1971.5	1972.7	1968.7	1971.8	1969.6	1962.9	1953.3	1938.8
67.5°	2486.3	2487.0	2497.6	2502.3	2497.6	2487.0	2486.3	2475.9	2455.9	2429.7	2399.0
65°	3081.3	3088.6	3085.9	3071.0	3085.9	3088.6	3081.3	3061.8	3030.2	2990.8	2943.2
62.5°	3762.3	3782.7	3794.0	3791.4	3794.0	3782.7	3762.3	3727.0	3677.4	3614.9	3542.4
60°	4484.1	4516.1	4532.3	4530.7	4532.3	4516.1	4484.1	4434.7	4368.5	4286.5	4187.6
57.5°	5264.9	5306.0	5315.6	5298.4	5315.6	5306.0	5264.9	5202.0	5117.7	5017.2	4894.8
55°	6126.1	6178.7	6199.0	6189.4	6199.0	6178.7	6126.1	6047.1	5942.3	5818.9	5671.5
52.5°	7036.8	7093.7	7113.8	7099.3	7113.8	7093.7	7036.8	6948.3	6827.6	6676.3	6499.9
50°	7982.7	8051.6	8079.3	8066.1	8079.3	8051.6	7982.7	7880.0	7740.1	7562.3	7356.9
47.5°	8986.7	9078.4	9114.0	9089.8	9114.0	9078.4	8986.7	8857.2	8692.1	8483.3	8227.2
45°	10043.2	10138.2	10175.1	10151.4	10175.1	10138.2	10043.2	9898.8	9705.6	9475.5	9212.7
42.5°	11118.5	11242.1	11294.3	11250.9	11294.3	11242.1	11118.5	10950.6	10731.1	10469.4	10169.7
40°	12212.9	12347.0	12408.8	12378.8	12408.8	12347.0	12212.9	12019.6	11760.8	11450.1	11112.2
37.5°	13335.3	13468.8	13534.3	13535.2	13534.3	13468.8	13335.3	13127.8	12840.4	12486.6	12105.2
35°	14461.9	14623.5	14714.9	14710.5	14714.9	14623.5	14461.9	14234.1	13940.1	13581.6	13132.2
32.5°	15604.3	15779.2	15872.6	15885.8	15872.6	15779.2	15604.3	15337.0	14999.0	14605.0	14142.6
30°	16744.7	16937.1	17045.3	17089.6	17045.3	16937.1	16744.7	16448.4	16069.2	15638.3	15141.1
27.5°	17850.7	18087.4	18250.7	18264.9	18250.7	18087.4	17850.7	17547.7	17147.9	16679.6	16136.9
25°	18921.8	19162.8	19330.3	19364.4	19330.3	19162.8	18921.8	18620.2	18209.4	17695.3	17115.7
22.5°	19977.5	20229.4	20384.1	20444.9	20384.1	20229.4	19977.5	19639.8	19185.1	18647.6	18033.4
20°	20985.3	21258.3	21422.3	21487.6	21422.3	21258.3	20985.3	20614.1	20112.9	19540.7	18890.8
17.5°	21897.0	22185.5	22387.9	22444.9	22387.9	22185.5	21897.0	21504.1	20979.2	20371.6	19670.4
15°	22699.5	22973.0	23165.2	23241.1	23165.2	22973.0	22699.5	22313.9	21781.6	21124.5	20345.9
12.5°	23352.5	23597.2	23747.7	23819.2	23747.7	23597.2	23352.5	22984.6	22495.4	21757.2	20939.5
10°	23862.7	24108.2	24251.9	24350.0	24251.9	24108.2	23862.7	23520.5	22974.1	22313.1	21509.5
7.5°	24305.5	24557.1	24733.0	24871.3	24733.0	24557.1	24305.5	23843.5	23356.2	22733.5	21922.3
5°	24550.0	24970.0	25033.2	25127.3	25033.2	24970.0	24550.0	24131.5	23600.1	22966.5	22174.6
2.5°	24736.4	25034.3	25213.4	25193.6	25213.4	25034.3	24736.4	24244.1	23735.2	23154.7	22387.8
0°	24871.3	25136.7	25203.1	25288.4	25203.1	25136.7	24871.3	24378.5	23847.7	23269.5	22473.3
-2.5°	24736.4	25034.3	25213.4	25193.6	25213.4	25034.3	24736.4	24244.1	23735.2	23154.7	22387.8
-5°	24550.0	24970.0	25033.2	25127.3	25033.2	24970.0	24550.0	24131.5	23600.1	22966.5	22174.6
-7.5°	24305.5	24557.1	24733.0	24871.3	24733.0	24557.1	24305.5	23843.5	23356.2	22733.5	21922.3
-10°	23862.7	24108.2	24251.9	24350.0	24251.9	24108.2	23862.7	23520.5	22974.1	22313.1	21509.5
-12.5°	23352.5	23597.2	23747.7	23819.2	23747.7	23597.2	23352.5	22984.6	22495.4	21757.2	20939.5
-15°	22699.5	22973.0	23165.2	23241.1	23165.2	22973.0	22699.5	22313.9	21781.6	21124.5	20345.9
-17.5°	21897.0	22185.5	22387.9	22444.9	22387.9	22185.5	21897.0	21504.1	20979.2	20371.6	19670.4
-20°	20985.3	21258.3	21422.3	21487.6	21422.3	21258.3	20985.3	20614.1	20112.9	19540.7	18890.8



REPORT NUMBER: P627941 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-735-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°	19977.5	20229.4	20384.1	20444.9	20384.1	20229.4	19977.5	19639.8	19185.1	18647.6	18033.4
-25°	18921.8	19162.8	19330.3	19364.4	19330.3	19162.8	18921.8	18620.2	18209.4	17695.3	17115.7
-27.5°	17850.7	18087.4	18250.7	18264.9	18250.7	18087.4	17850.7	17547.7	17147.9	16679.6	16136.9
-30°	16744.7	16937.1	17045.3	17089.6	17045.3	16937.1	16744.7	16448.4	16069.2	15638.3	15141.1
-32.5°	15604.3	15779.2	15872.6	15885.8	15872.6	15779.2	15604.3	15337.0	14999.0	14605.0	14142.6
-35°	14461.9	14623.5	14714.9	14710.5	14714.9	14623.5	14461.9	14234.1	13940.1	13581.6	13132.2
-37.5°	13335.3	13468.8	13534.3	13535.2	13534.3	13468.8	13335.3	13127.8	12840.4	12486.6	12105.2
-40°	12212.9	12347.0	12408.8	12378.8	12408.8	12347.0	12212.9	12019.6	11760.8	11450.1	11112.2
-42.5°	11118.5	11242.1	11294.3	11250.9	11294.3	11242.1	11118.5	10950.6	10731.1	10469.4	10169.7
-45°	10043.2	10138.2	10175.1	10151.4	10175.1	10138.2	10043.2	9898.8	9705.6	9475.5	9212.7
-47.5°	8986.7	9078.4	9114.0	9089.8	9114.0	9078.4	8986.7	8857.2	8692.1	8483.3	8227.2
-50°	7982.7	8051.6	8079.3	8066.1	8079.3	8051.6	7982.7	7880.0	7740.1	7562.3	7356.9
-52.5°	7036.8	7093.7	7113.8	7099.3	7113.8	7093.7	7036.8	6948.3	6827.6	6676.3	6499.9
-55°	6126.1	6178.7	6199.0	6189.4	6199.0	6178.7	6126.1	6047.1	5942.3	5818.9	5671.5
-57.5°	5264.9	5306.0	5315.6	5298.4	5315.6	5306.0	5264.9	5202.0	5117.7	5017.2	4894.8
-60°	4484.1	4516.1	4532.3	4530.7	4532.3	4516.1	4484.1	4434.7	4368.5	4286.5	4187.6
-62.5°	3762.3	3782.7	3794.0	3791.4	3794.0	3782.7	3762.3	3727.0	3677.4	3614.9	3542.4
-65°	3081.3	3088.6	3085.9	3071.0	3085.9	3088.6	3081.3	3061.8	3030.2	2990.8	2943.2
-67.5°	2486.3	2487.0	2497.6	2502.3	2497.6	2487.0	2486.3	2475.9	2455.9	2429.7	2399.0
-70°	1971.8	1968.7	1972.7	1971.5	1972.7	1968.7	1971.8	1969.6	1962.9	1953.3	1938.8
-72.5°	1532.9	1508.5	1486.6	1459.7	1486.6	1508.5	1532.9	1553.7	1571.9	1582.3	1571.9
-75°	1145.6	1095.8	1065.6	1033.1	1065.6	1095.8	1145.6	1192.5	1237.0	1271.0	1267.5
-77.5°	829.6	766.0	738.8	710.9	738.8	766.0	829.6	890.1	947.4	994.6	998.2
-80°	559.0	501.1	478.3	455.0	478.3	501.1	559.0	614.4	666.9	713.3	725.8
-82.5°	335.6	292.8	279.3	265.4	279.3	292.8	335.6	376.7	415.8	451.1	454.7
-85°	166.2	141.5	132.5	123.2	132.5	141.5	166.2	189.8	212.0	232.1	224.9
-87.5°	30.5	28.3	28.4	28.4	28.4	28.3	30.5	32.7	34.7	36.6	36.1
-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: P627941 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-735-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°	35.6	35.0	34.3	33.6	32.8	32.0	31.0	30.1	29.0	27.9	26.8
85°	217.0	208.6	199.5	190.0	180.0	169.6	158.4	138.9	120.6	103.8	89.2
82.5°	455.7	453.7	447.1	421.4	395.4	369.4	341.9	301.0	261.0	221.9	187.8
80°	734.6	739.5	734.7	691.8	648.4	604.6	558.1	498.4	438.0	380.5	337.4
77.5°	1000.3	1001.5	993.4	950.7	903.8	852.6	794.1	722.2	650.2	577.6	522.1
75°	1261.3	1252.5	1234.5	1195.4	1148.5	1093.3	1036.1	972.9	899.1	814.4	741.7
72.5°	1556.8	1536.7	1508.8	1470.3	1424.8	1376.1	1316.6	1246.8	1169.6	1085.0	1008.3
70°	1915.8	1884.2	1842.2	1789.9	1738.5	1684.8	1620.9	1544.2	1454.3	1360.9	1275.4
67.5°	2359.2	2310.5	2251.3	2188.0	2124.1	2049.3	1963.6	1869.9	1777.1	1673.4	1556.3
65°	2884.0	2813.4	2727.4	2645.7	2556.4	2459.3	2349.7	2241.1	2127.5	2003.0	1854.3
62.5°	3460.8	3371.1	3254.3	3135.7	3014.7	2890.0	2755.7	2622.1	2486.5	2339.7	2172.5
60°	4072.1	3938.7	3804.3	3657.3	3497.6	3330.1	3177.5	3015.3	2843.8	2677.5	2494.1
57.5°	4749.9	4585.7	4410.2	4222.7	4024.3	3828.6	3631.0	3426.9	3232.9	3030.4	2822.7
55°	5501.1	5307.3	5087.0	4845.2	4594.9	4368.0	4120.9	3873.3	3639.7	3393.9	3165.1
52.5°	6301.5	6069.3	5813.9	5539.3	5254.5	4959.7	4659.4	4375.0	4070.8	3792.7	3516.1
50°	7126.7	6860.7	6566.3	6250.8	5934.0	5592.3	5248.6	4906.9	4562.3	4221.1	3889.8
47.5°	7964.8	7676.7	7349.5	7000.3	6637.6	6256.1	5865.0	5453.9	5072.7	4677.0	4300.6
45°	8885.9	8530.5	8163.8	7779.3	7364.6	6943.7	6504.9	6054.9	5596.3	5161.2	4719.7
42.5°	9812.5	9412.7	8988.6	8565.8	8113.5	7642.1	7152.7	6656.7	6152.8	5651.0	5168.6
40°	10735.4	10302.9	9840.5	9357.2	8864.0	8344.7	7808.9	7257.2	6709.9	6158.1	5612.4
37.5°	11679.4	11212.2	10711.3	10179.1	9626.5	9051.2	8461.7	7864.5	7261.0	6667.2	6075.2
35°	12647.7	12136.2	11583.4	11002.1	10394.1	9764.2	9117.5	8463.5	7814.2	7172.0	6530.7
32.5°	13607.3	13053.0	12457.1	11820.8	11151.5	10466.0	9770.7	9064.4	8353.8	7668.0	6985.0
30°	14575.0	13961.3	13315.6	12628.2	11902.5	11156.1	10402.9	9654.6	8897.3	8142.7	7420.1
27.5°	15523.1	14853.4	14151.7	13408.5	12633.2	11832.3	11023.1	10224.5	9416.7	8614.4	7835.3
25°	16445.9	15722.7	14948.7	14154.9	13332.8	12479.1	11609.3	10764.4	9920.9	9062.3	8208.0
22.5°	17333.9	16542.2	15707.9	14858.8	13994.0	13097.0	12169.5	11258.9	10386.0	9464.0	8571.2
20°	18152.8	17302.8	16412.0	15517.6	14602.9	13685.2	12691.3	11722.7	10783.8	9837.1	8900.4
17.5°	18879.4	18015.8	17081.2	16138.6	15164.9	14198.6	13179.1	12144.8	11149.9	10168.6	9190.2
15°	19519.7	18656.9	17710.6	16716.5	15676.9	14621.6	13592.0	12517.8	11483.5	10461.8	9458.2
12.5°	20101.3	19198.0	18252.9	17201.7	16098.0	14997.1	13926.3	12844.5	11780.3	10729.9	9699.2
10°	20623.3	19641.3	18641.3	17575.9	16450.4	15313.9	14211.3	13119.4	12032.8	10959.5	9898.0
7.5°	20981.1	19970.1	18936.9	17875.1	16747.7	15593.4	14457.7	13340.1	12229.6	11142.4	10053.0
5°	21245.3	20229.6	19193.1	18116.5	16978.7	15802.1	14639.4	13500.2	12369.8	11276.2	10163.4
2.5°	21448.1	20407.1	19368.0	18267.5	17128.1	15943.0	14769.4	13620.6	12481.1	11374.2	10261.0
0°	21591.8	20473.4	19468.7	18388.1	17222.3	16028.0	14852.7	13696.3	12549.4	11421.5	10312.5
-2.5°	21448.1	20407.1	19368.0	18267.5	17128.1	15943.0	14769.4	13620.6	12481.1	11374.2	10261.0
-5°	21245.3	20229.6	19193.1	18116.5	16978.7	15802.1	14639.4	13500.2	12369.8	11276.2	10163.4
-7.5°	20981.1	19970.1	18936.9	17875.1	16747.7	15593.4	14457.7	13340.1	12229.6	11142.4	10053.0
-10°	20623.3	19641.3	18641.3	17575.9	16450.4	15313.9	14211.3	13119.4	12032.8	10959.5	9898.0
-12.5°	20101.3	19198.0	18252.9	17201.7	16098.0	14997.1	13926.3	12844.5	11780.3	10729.9	9699.2
-15°	19519.7	18656.9	17710.6	16716.5	15676.9	14621.6	13592.0	12517.8	11483.5	10461.8	9458.2
-17.5°	18879.4	18015.8	17081.2	16138.6	15164.9	14198.6	13179.1	12144.8	11149.9	10168.6	9190.2
-20°	18152.8	17302.8	16412.0	15517.6	14602.9	13685.2	12691.3	11722.7	10783.8	9837.1	8900.4



REPORT NUMBER: P627941 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	17333.9	16542.2	15707.9	14858.8	13994.0	13097.0	12169.5	11258.9	10386.0	9464.0	8571.2
-25°	16445.9	15722.7	14948.7	14154.9	13332.8	12479.1	11609.3	10764.4	9920.9	9062.3	8208.0
-27.5°	15523.1	14853.4	14151.7	13408.5	12633.2	11832.3	11023.1	10224.5	9416.7	8614.4	7835.3
-30°	14575.0	13961.3	13315.6	12628.2	11902.5	11156.1	10402.9	9654.6	8897.3	8142.7	7420.1
-32.5°	13607.3	13053.0	12457.1	11820.8	11151.5	10466.0	9770.7	9064.4	8353.8	7668.0	6985.0
-35°	12647.7	12136.2	11583.4	11002.1	10394.1	9764.2	9117.5	8463.5	7814.2	7172.0	6530.7
-37.5°	11679.4	11212.2	10711.3	10179.1	9626.5	9051.2	8461.7	7864.5	7261.0	6667.2	6075.2
-40°	10735.4	10302.9	9840.5	9357.2	8864.0	8344.7	7808.9	7257.2	6709.9	6158.1	5612.4
-42.5°	9812.5	9412.7	8988.6	8565.8	8113.5	7642.1	7152.7	6656.7	6152.8	5651.0	5168.6
-45°	8885.9	8530.5	8163.8	7779.3	7364.6	6943.7	6504.9	6054.9	5596.3	5161.2	4719.7
-47.5°	7964.8	7676.7	7349.5	7000.3	6637.6	6256.1	5865.0	5453.9	5072.7	4677.0	4300.6
-50°	7126.7	6860.7	6566.3	6250.8	5934.0	5592.3	5248.6	4906.9	4562.3	4221.1	3889.8
-52.5°	6301.5	6069.3	5813.9	5539.3	5254.5	4959.7	4659.4	4375.0	4070.8	3792.7	3516.1
-55°	5501.1	5307.3	5087.0	4845.2	4594.9	4368.0	4120.9	3873.3	3639.7	3393.9	3165.1
-57.5°	4749.9	4585.7	4410.2	4222.7	4024.3	3828.6	3631.0	3426.9	3232.9	3030.4	2822.7
-60°	4072.1	3938.7	3804.3	3657.3	3497.6	3330.1	3177.5	3015.3	2843.8	2677.5	2494.1
-62.5°	3460.8	3371.1	3254.3	3135.7	3014.7	2890.0	2755.7	2622.1	2486.5	2339.7	2172.5
-65°	2884.0	2813.4	2727.4	2645.7	2556.4	2459.3	2349.7	2241.1	2127.5	2003.0	1854.3
-67.5°	2359.2	2310.5	2251.3	2188.0	2124.1	2049.3	1963.6	1869.9	1777.1	1673.4	1556.3
-70°	1915.8	1884.2	1842.2	1789.9	1738.5	1684.8	1620.9	1544.2	1454.3	1360.9	1275.4
-72.5°	1556.8	1536.7	1508.8	1470.3	1424.8	1376.1	1316.6	1246.8	1169.6	1085.0	1008.3
-75°	1261.3	1252.5	1234.5	1195.4	1148.5	1093.3	1036.1	972.9	899.1	814.4	741.7
-77.5°	1000.3	1001.5	993.4	950.7	903.8	852.6	794.1	722.2	650.2	577.6	522.1
-80°	734.6	739.5	734.7	691.8	648.4	604.6	558.1	498.4	438.0	380.5	337.4
-82.5°	455.7	453.7	447.1	421.4	395.4	369.4	341.9	301.0	261.0	221.9	187.8
-85°	217.0	208.6	199.5	190.0	180.0	169.6	158.4	138.9	120.6	103.8	89.2
-87.5°	35.6	35.0	34.3	33.6	32.8	32.0	31.0	30.1	29.0	27.9	26.8
-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: P627941 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-735-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°	27.2	27.4	27.4	27.2	24.2	21.3	18.6	16.0	14.5	13.0	11.4
85°	89.6	87.5	82.7	75.0	59.1	42.5	37.1	32.0	29.0	25.9	22.8
82.5°	187.2	189.1	188.9	183.4	161.8	139.1	115.3	90.7	67.2	42.7	34.1
80°	338.0	334.3	326.4	311.0	275.5	235.5	205.4	174.2	143.6	111.8	78.6
77.5°	511.0	496.4	478.5	458.3	420.7	376.5	325.8	268.3	219.7	180.5	139.6
75°	704.3	681.0	656.0	622.3	574.0	518.7	462.9	395.9	321.5	251.3	200.2
72.5°	946.7	890.5	840.2	792.9	740.5	678.8	607.7	521.3	430.9	345.5	265.3
70°	1192.3	1108.0	1032.7	968.2	905.1	840.5	762.4	655.9	538.3	437.7	343.4
67.5°	1441.8	1342.0	1241.2	1144.7	1065.1	989.0	913.6	789.9	655.0	528.0	419.7
65°	1717.0	1583.9	1455.9	1336.6	1228.6	1133.5	1045.0	915.2	768.3	625.5	493.9
62.5°	2000.5	1830.6	1679.0	1527.0	1392.5	1276.9	1170.6	1027.4	876.6	719.7	571.4
60°	2298.6	2105.1	1903.6	1726.1	1561.2	1414.9	1286.2	1137.9	977.9	810.4	648.4
57.5°	2612.4	2385.0	2158.6	1934.1	1736.1	1560.7	1398.7	1242.8	1077.5	899.8	720.2
55°	2930.3	2685.5	2417.7	2164.7	1921.7	1713.0	1517.7	1343.3	1173.6	987.8	782.1
52.5°	3248.7	2979.7	2692.3	2400.1	2128.1	1866.8	1648.7	1441.3	1262.1	1073.7	846.5
50°	3581.7	3273.2	2965.4	2649.6	2333.5	2047.1	1775.1	1553.7	1348.0	1155.2	907.7
47.5°	3928.4	3584.6	3241.9	2897.0	2557.9	2219.6	1922.9	1663.7	1431.1	1229.1	964.5
45°	4308.3	3906.3	3526.9	3153.9	2770.4	2406.0	2072.4	1769.1	1525.2	1286.6	1017.0
42.5°	4687.8	4245.8	3822.0	3407.0	2992.9	2591.2	2214.0	1893.1	1615.2	1341.6	1065.2
40°	5091.7	4586.5	4116.7	3666.4	3210.2	2767.3	2371.0	2013.9	1699.5	1398.8	1110.9
37.5°	5484.3	4935.8	4419.4	3914.1	3423.1	2957.5	2521.8	2127.2	1779.5	1462.9	1154.2
35°	5899.9	5286.7	4699.3	4163.5	3642.2	3137.9	2663.1	2241.4	1871.6	1525.5	1194.9
32.5°	6301.4	5629.8	4999.9	4409.4	3851.5	3307.9	2808.5	2362.3	1960.2	1586.2	1233.1
30°	6696.0	5974.2	5287.9	4642.0	4054.3	3486.3	2954.2	2475.3	2044.8	1644.8	1271.3
27.5°	7059.7	6293.1	5563.9	4882.4	4253.5	3655.5	3091.9	2580.1	2125.1	1705.1	1315.6
25°	7398.6	6600.0	5836.0	5113.7	4438.4	3815.8	3218.7	2677.2	2206.9	1768.0	1356.8
22.5°	7716.5	6884.9	6082.7	5326.8	4609.6	3963.0	3342.3	2780.4	2284.3	1825.8	1394.6
20°	8005.6	7141.5	6303.5	5519.9	4776.3	4103.2	3461.2	2873.0	2353.4	1878.3	1428.5
17.5°	8265.9	7376.0	6514.3	5700.4	4931.4	4227.8	3566.9	2954.7	2414.1	1925.1	1458.4
15°	8507.5	7589.2	6700.6	5858.0	5065.8	4336.2	3658.8	3025.1	2466.2	1965.8	1486.9
12.5°	8715.2	7772.0	6858.7	5991.9	5178.9	4428.0	3736.6	3084.1	2509.4	2002.6	1513.7
10°	8886.2	7923.1	6987.8	6101.4	5270.5	4502.9	3799.8	3133.8	2549.9	2034.4	1534.3
7.5°	9019.4	8041.4	7087.3	6185.8	5343.1	4565.3	3853.6	3176.7	2582.6	2058.8	1548.7
5°	9120.2	8133.9	7173.8	6256.6	5409.8	4615.8	3892.7	3207.4	2606.3	2075.7	1556.9
2.5°	9209.9	8203.1	7241.8	6302.5	5455.2	4648.7	3916.2	3225.9	2620.7	2084.6	1558.8
0°	9260.4	8236.7	7279.4	6322.1	5478.5	4663.4	3924.1	3232.1	2625.5	2085.3	1554.5
-2.5°	9209.9	8203.1	7241.8	6302.5	5455.2	4648.7	3916.2	3225.9	2620.7	2084.6	1558.8
-5°	9120.2	8133.9	7173.8	6256.6	5409.8	4615.8	3892.7	3207.4	2606.3	2075.7	1556.9
-7.5°	9019.4	8041.4	7087.3	6185.8	5343.1	4565.3	3853.6	3176.7	2582.6	2058.8	1548.7
-10°	8886.2	7923.1	6987.8	6101.4	5270.5	4502.9	3799.8	3133.8	2549.9	2034.4	1534.3
-12.5°	8715.2	7772.0	6858.7	5991.9	5178.9	4428.0	3736.6	3084.1	2509.4	2002.6	1513.7
-15°	8507.5	7589.2	6700.6	5858.0	5065.8	4336.2	3658.8	3025.1	2466.2	1965.8	1486.9
-17.5°	8265.9	7376.0	6514.3	5700.4	4931.4	4227.8	3566.9	2954.7	2414.1	1925.1	1458.4
-20°	8005.6	7141.5	6303.5	5519.9	4776.3	4103.2	3461.2	2873.0	2353.4	1878.3	1428.5



REPORT NUMBER: P627941 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	7716.5	6884.9	6082.7	5326.8	4609.6	3963.0	3342.3	2780.4	2284.3	1825.8	1394.6
-25°	7398.6	6600.0	5836.0	5113.7	4438.4	3815.8	3218.7	2677.2	2206.9	1768.0	1356.8
-27.5°	7059.7	6293.1	5563.9	4882.4	4253.5	3655.5	3091.9	2580.1	2125.1	1705.1	1315.6
-30°	6696.0	5974.2	5287.9	4642.0	4054.3	3486.3	2954.2	2475.3	2044.8	1644.8	1271.3
-32.5°	6301.4	5629.8	4999.9	4409.4	3851.5	3307.9	2808.5	2362.3	1960.2	1586.2	1233.1
-35°	5899.9	5286.7	4699.3	4163.5	3642.2	3137.9	2663.1	2241.4	1871.6	1525.5	1194.9
-37.5°	5484.3	4935.8	4419.4	3914.1	3423.1	2957.5	2521.8	2127.2	1779.5	1462.9	1154.2
-40°	5091.7	4586.5	4116.7	3666.4	3210.2	2767.3	2371.0	2013.9	1699.5	1398.8	1110.9
-42.5°	4687.8	4245.8	3822.0	3407.0	2992.9	2591.2	2214.0	1893.1	1615.2	1341.6	1065.2
-45°	4308.3	3906.3	3526.9	3153.9	2770.4	2406.0	2072.4	1769.1	1525.2	1286.6	1017.0
-47.5°	3928.4	3584.6	3241.9	2897.0	2557.9	2219.6	1922.9	1663.7	1431.1	1229.1	964.5
-50°	3581.7	3273.2	2965.4	2649.6	2333.5	2047.1	1775.1	1553.7	1348.0	1155.2	907.7
-52.5°	3248.7	2979.7	2692.3	2400.1	2128.1	1866.8	1648.7	1441.3	1262.1	1073.7	846.5
-55°	2930.3	2685.5	2417.7	2164.7	1921.7	1713.0	1517.7	1343.3	1173.6	987.8	782.1
-57.5°	2612.4	2385.0	2158.6	1934.1	1736.1	1560.7	1398.7	1242.8	1077.5	899.8	720.2
-60°	2298.6	2105.1	1903.6	1726.1	1561.2	1414.9	1286.2	1137.9	977.9	810.4	648.4
-62.5°	2000.5	1830.6	1679.0	1527.0	1392.5	1276.9	1170.6	1027.4	876.6	719.7	571.4
-65°	1717.0	1583.9	1455.9	1336.6	1228.6	1133.5	1045.0	915.2	768.3	625.5	493.9
-67.5°	1441.8	1342.0	1241.2	1144.7	1065.1	989.0	913.6	789.9	655.0	528.0	419.7
-70°	1192.3	1108.0	1032.7	968.2	905.1	840.5	762.4	655.9	538.3	437.7	343.4
-72.5°	946.7	890.5	840.2	792.9	740.5	678.8	607.7	521.3	430.9	345.5	265.3
-75°	704.3	681.0	656.0	622.3	574.0	518.7	462.9	395.9	321.5	251.3	200.2
-77.5°	511.0	496.4	478.5	458.3	420.7	376.5	325.8	268.3	219.7	180.5	139.6
-80°	338.0	334.3	326.4	311.0	275.5	235.5	205.4	174.2	143.6	111.8	78.6
-82.5°	187.2	189.1	188.9	183.4	161.8	139.1	115.3	90.7	67.2	42.7	34.1
-85°	89.6	87.5	82.7	75.0	59.1	42.5	37.1	32.0	29.0	25.9	22.8
-87.5°	27.2	27.4	27.4	27.2	24.2	21.3	18.6	16.0	14.5	13.0	11.4
-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: P627941 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	9.8	8.2	6.6	4.9	3.3	1.4	0.0
85°	19.6	16.4	13.1	9.9	6.6	2.9	0.0
82.5°	29.3	24.5	19.7	14.8	9.9	4.3	0.0
80°	44.2	32.7	26.2	19.7	13.1	5.7	0.0
77.5°	96.2	51.2	32.7	24.5	16.3	7.1	0.0
75°	147.0	88.6	42.5	29.3	19.4	8.5	0.0
72.5°	196.2	124.9	67.8	34.1	22.5	9.9	0.0
70°	245.4	159.9	92.3	40.9	25.5	11.2	0.0
67.5°	304.5	193.5	115.8	56.0	28.4	12.5	0.0
65°	361.0	231.1	138.2	70.5	31.3	13.8	0.0
62.5°	414.6	272.2	159.5	84.4	34.0	15.1	0.0
60°	465.1	311.2	179.5	97.5	36.6	16.3	0.0
57.5°	518.3	347.7	206.1	109.9	44.0	17.4	0.0
55°	568.8	381.8	231.5	121.4	51.2	18.5	0.0
52.5°	615.5	414.1	255.1	132.0	58.1	19.6	0.0
50°	658.2	448.4	276.9	141.7	64.7	20.6	0.0
47.5°	698.3	479.7	296.7	151.8	71.1	21.5	0.0
45°	742.9	507.9	314.5	165.0	77.1	22.5	0.0
42.5°	783.7	533.1	330.3	176.9	82.8	23.3	0.0
40°	820.8	555.0	346.2	189.1	88.1	24.1	0.0
37.5°	854.0	573.8	361.9	201.1	93.1	24.8	0.0
35°	883.2	595.4	375.4	212.3	97.8	25.5	0.0
32.5°	910.3	617.1	386.7	222.7	102.1	26.1	0.0
30°	938.5	635.6	395.8	232.2	106.0	26.7	0.0
27.5°	963.8	650.9	409.3	240.8	109.5	27.1	0.0
25°	986.0	663.1	422.0	248.4	112.7	27.6	0.0
22.5°	1005.1	675.3	433.2	255.2	115.5	27.9	0.0
20°	1020.9	692.1	442.9	261.1	117.9	28.2	0.0
17.5°	1040.5	705.8	451.0	266.0	119.9	28.4	0.0
15°	1061.0	716.4	457.5	270.0	121.5	28.6	0.0
12.5°	1077.7	724.1	462.5	273.1	122.7	28.7	0.0
10°	1090.3	728.9	465.9	275.3	123.6	28.8	0.0
7.5°	1099.0	730.8	467.8	276.5	124.0	28.8	0.0
5°	1103.4	730.0	468.2	276.9	124.1	28.7	0.0
2.5°	1103.6	726.5	467.0	276.3	123.8	28.6	0.0
0°	1099.5	720.4	464.4	274.9	123.2	28.4	0.0
-2.5°	1103.6	726.5	467.0	276.3	123.8	28.6	0.0
-5°	1103.4	730.0	468.2	276.9	124.1	28.7	0.0
-7.5°	1099.0	730.8	467.8	276.5	124.0	28.8	0.0
-10°	1090.3	728.9	465.9	275.3	123.6	28.8	0.0
-12.5°	1077.7	724.1	462.5	273.1	122.7	28.7	0.0
-15°	1061.0	716.4	457.5	270.0	121.5	28.6	0.0
-17.5°	1040.5	705.8	451.0	266.0	119.9	28.4	0.0
-20°	1020.9	692.1	442.9	261.1	117.9	28.2	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627941 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1005.1	675.3	433.2	255.2	115.5	27.9	0.0
-25°	986.0	663.1	422.0	248.4	112.7	27.6	0.0
-27.5°	963.8	650.9	409.3	240.8	109.5	27.1	0.0
-30°	938.5	635.6	395.8	232.2	106.0	26.7	0.0
-32.5°	910.3	617.1	386.7	222.7	102.1	26.1	0.0
-35°	883.2	595.4	375.4	212.3	97.8	25.5	0.0
-37.5°	854.0	573.8	361.9	201.1	93.1	24.8	0.0
-40°	820.8	555.0	346.2	189.1	88.1	24.1	0.0
-42.5°	783.7	533.1	330.3	176.9	82.8	23.3	0.0
-45°	742.9	507.9	314.5	165.0	77.1	22.5	0.0
-47.5°	698.3	479.7	296.7	151.8	71.1	21.5	0.0
-50°	658.2	448.4	276.9	141.7	64.7	20.6	0.0
-52.5°	615.5	414.1	255.1	132.0	58.1	19.6	0.0
-55°	568.8	381.8	231.5	121.4	51.2	18.5	0.0
-57.5°	518.3	347.7	206.1	109.9	44.0	17.4	0.0
-60°	465.1	311.2	179.5	97.5	36.6	16.3	0.0
-62.5°	414.6	272.2	159.5	84.4	34.0	15.1	0.0
-65°	361.0	231.1	138.2	70.5	31.3	13.8	0.0
-67.5°	304.5	193.5	115.8	56.0	28.4	12.5	0.0
-70°	245.4	159.9	92.3	40.9	25.5	11.2	0.0
-72.5°	196.2	124.9	67.8	34.1	22.5	9.9	0.0
-75°	147.0	88.6	42.5	29.3	19.4	8.5	0.0
-77.5°	96.2	51.2	32.7	24.5	16.3	7.1	0.0
-80°	44.2	32.7	26.2	19.7	13.1	5.7	0.0
-82.5°	29.3	24.5	19.7	14.8	9.9	4.3	0.0
-85°	19.6	16.4	13.1	9.9	6.6	2.9	0.0
-87.5°	9.8	8.2	6.6	4.9	3.3	1.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)