

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645515 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5C-730-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645515 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5C-730-U-LAM-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

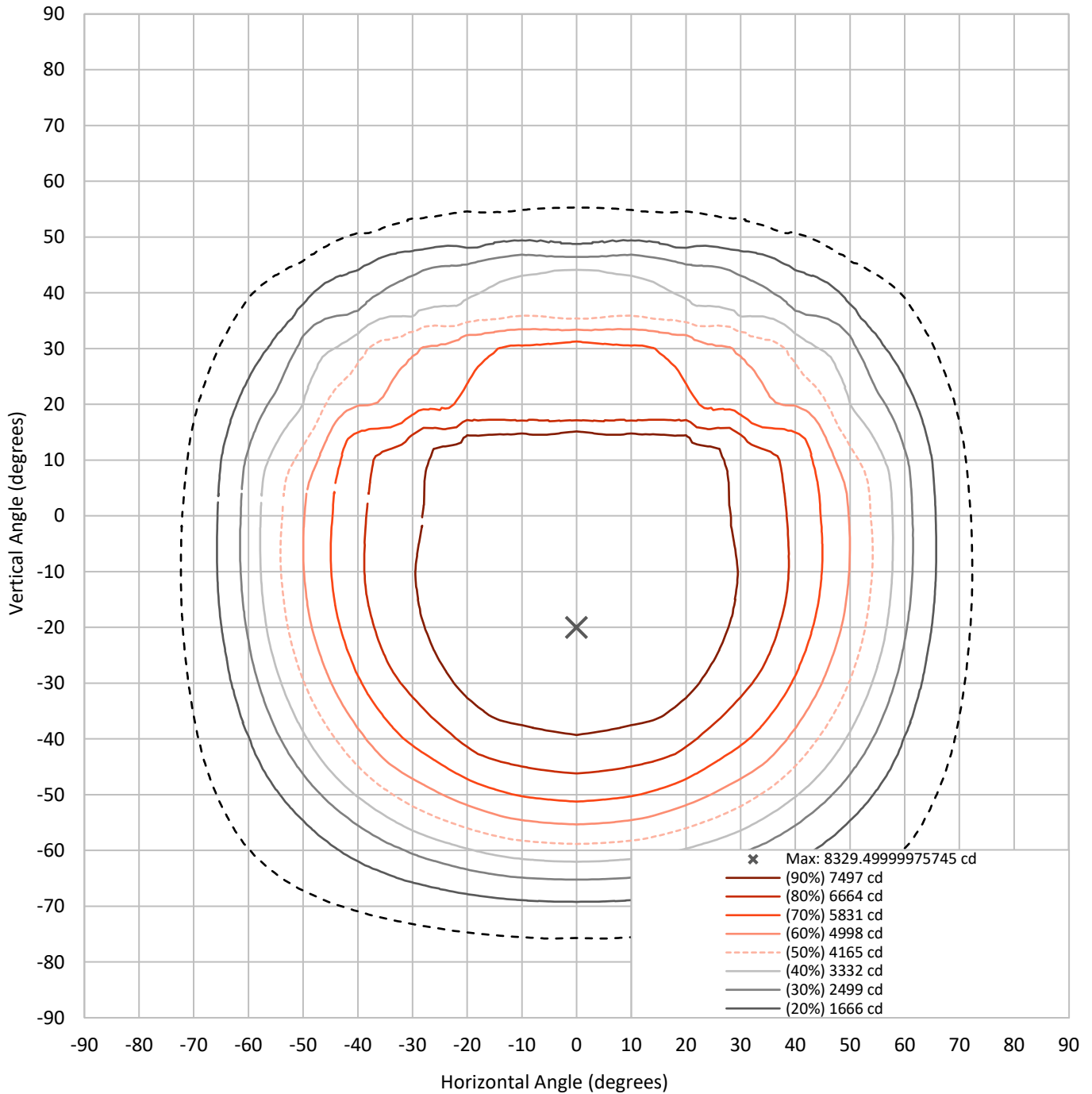
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	19531.1 lumens	Max Intensity:	8329.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	94.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	15268.2 lumens	Field Lumens:	19143.2 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	206.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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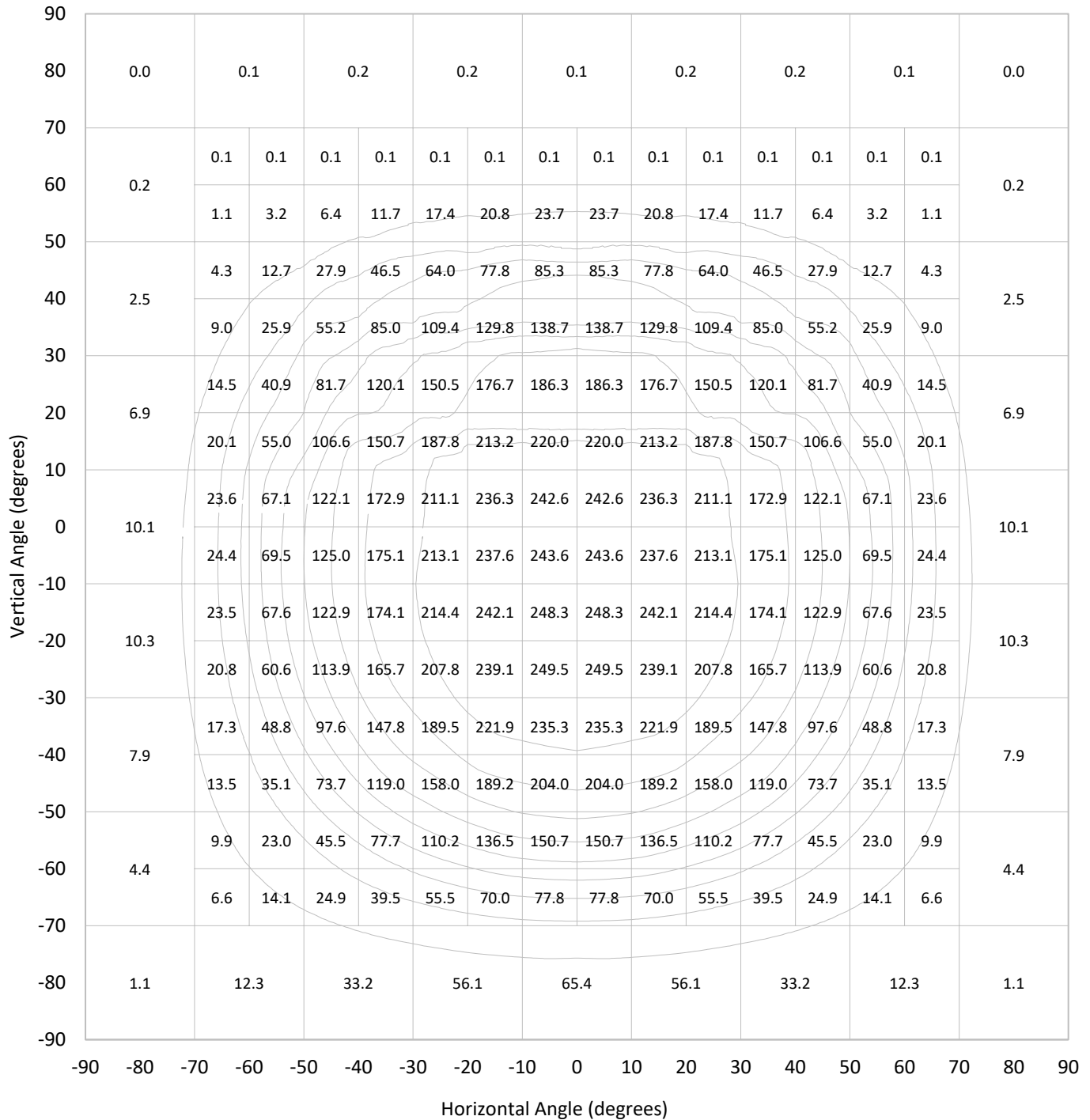
Iso-Candela Plot





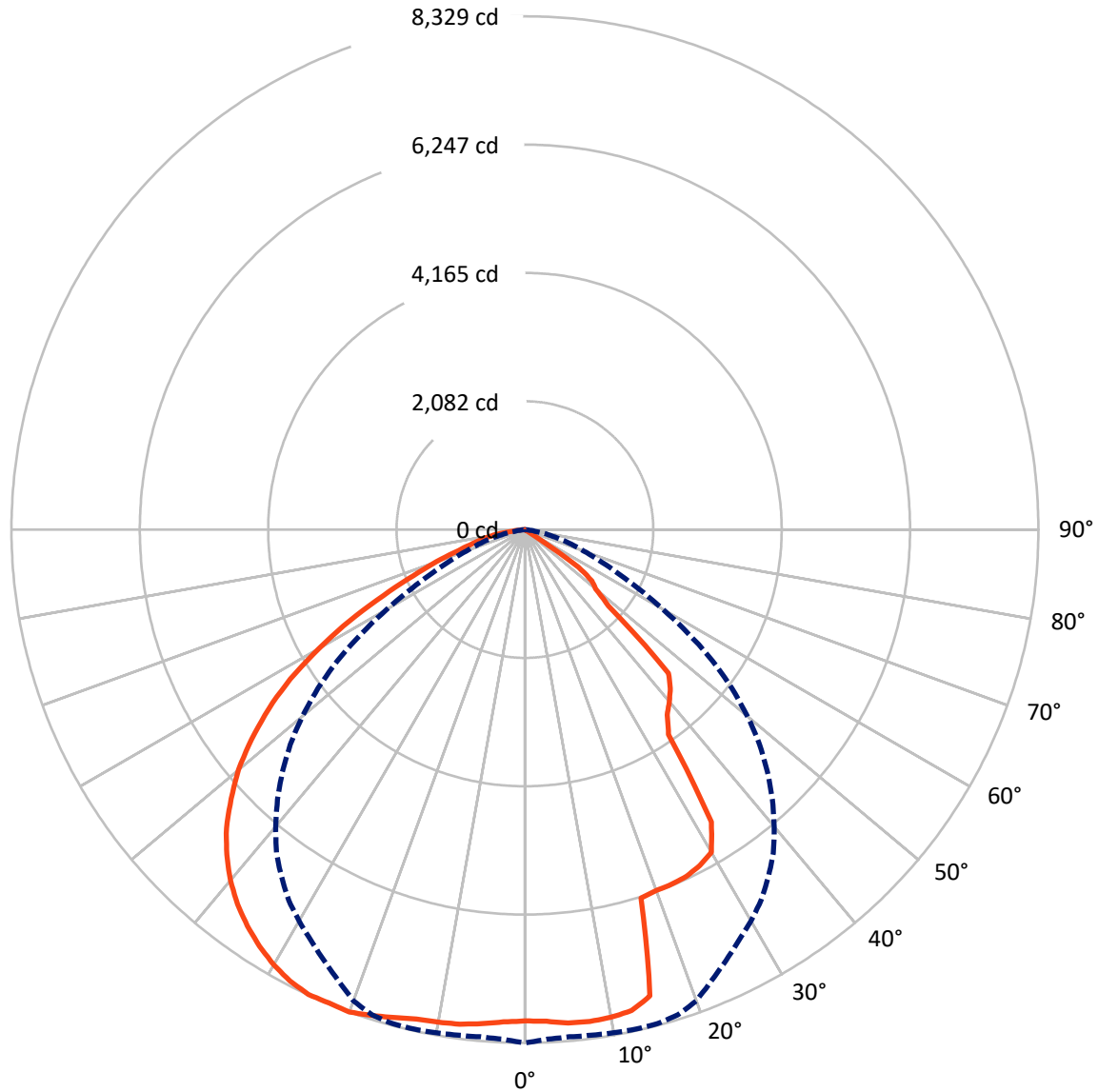
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Lumen Table



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Luminous Intensity Polar Plot

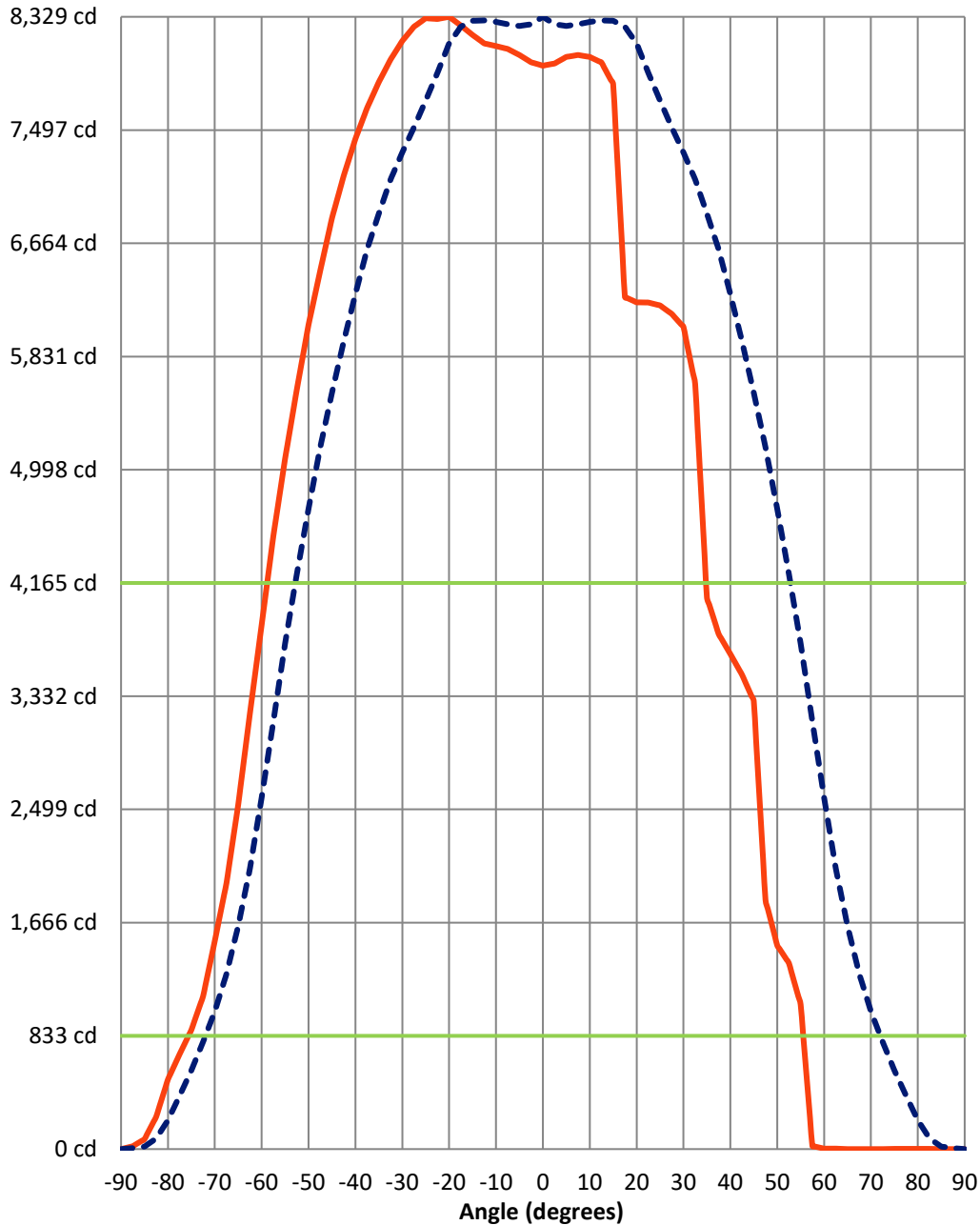


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 15268.2
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 19143.2
 Efficiency: 98.0%

Spill:
 Lumens: 387.9
 Efficiency: 2.0%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through -20-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	0.2	0.3	0.5	0.6	0.8	0.9	0.9	0.9	0.9	0.8
85°	0.0	0.4	0.6	0.9	1.2	1.6	1.9	1.9	1.9	1.7	1.5
82.5°	0.0	0.6	0.9	1.4	1.9	2.3	2.8	2.9	2.7	2.3	1.8
80°	0.0	0.8	1.3	1.9	2.5	3.1	3.6	3.2	2.8	2.3	1.9
77.5°	0.0	1.0	1.6	2.3	3.1	3.6	3.6	3.2	2.8	2.3	1.9
75°	0.0	1.2	1.9	2.8	3.6	3.7	3.6	3.3	2.8	2.4	1.9
72.5°	0.0	1.3	2.2	3.2	3.8	3.9	3.7	3.3	2.9	2.4	2.0
70°	0.0	1.5	2.5	3.6	3.9	4.0	3.8	3.3	2.9	2.5	2.9
67.5°	0.0	1.7	2.9	3.8	4.1	4.1	4.2	3.4	3.0	4.0	4.1
65°	0.0	1.9	3.2	4.0	4.3	4.7	4.8	3.4	4.8	5.6	7.0
62.5°	0.0	2.1	3.5	4.1	4.5	5.9	5.6	4.8	6.6	9.8	15.5
60°	0.0	2.3	3.8	4.3	4.7	7.2	6.6	6.7	8.6	24.7	26.9
57.5°	0.0	2.5	4.0	4.5	6.0	8.6	12.2	9.5	24.2	42.0	48.8
55°	0.0	2.6	4.2	4.7	7.5	10.1	19.4	15.4	44.9	64.8	78.9
52.5°	0.0	2.8	4.4	4.9	9.1	13.0	27.9	39.0	67.3	101.6	114.4
50°	0.0	3.0	4.6	5.1	10.7	22.1	37.5	65.8	96.3	142.6	178.8
47.5°	0.0	3.2	4.8	5.5	12.4	31.9	50.5	94.0	138.7	187.8	244.5
45°	0.0	3.3	5.0	6.9	14.2	42.5	76.1	123.4	186.2	244.7	308.3
42.5°	0.0	3.5	5.2	8.2	16.1	53.6	102.4	160.8	234.6	300.2	381.9
40°	0.0	3.6	5.5	10.0	21.6	65.5	129.2	203.3	284.4	354.6	460.7
37.5°	0.0	3.8	5.7	12.1	30.9	78.0	156.6	245.9	336.6	420.0	542.9
35°	0.0	3.9	5.9	14.5	40.3	96.8	184.4	288.5	389.7	500.3	640.1
32.5°	0.0	4.1	6.2	17.1	49.8	118.8	214.6	330.9	443.4	581.0	758.4
30°	0.0	4.2	6.4	19.9	59.4	140.5	249.0	373.8	497.5	662.0	871.8
27.5°	0.0	4.4	6.6	22.9	71.3	162.0	282.8	418.4	557.1	742.8	980.2
25°	0.0	4.5	6.9	26.1	83.5	183.2	315.8	462.5	624.3	831.1	1083.6
22.5°	0.0	4.6	7.1	29.4	95.6	204.7	347.8	505.9	690.1	919.3	1188.3
20°	0.0	4.7	7.3	32.8	107.6	227.9	378.8	548.4	754.2	1002.6	1290.3
17.5°	0.0	4.8	7.5	36.3	119.4	250.3	409.4	589.7	816.3	1080.7	1389.2
15°	0.0	4.9	7.8	39.7	131.0	271.8	438.8	628.1	876.0	1153.6	1484.2
12.5°	0.0	5.0	8.0	43.2	142.1	292.3	466.3	662.3	923.6	1221.1	1574.6
10°	0.0	5.1	8.2	46.6	152.8	311.7	491.8	693.8	959.1	1261.6	1648.2
7.5°	0.0	5.1	8.4	49.9	162.8	329.8	515.3	722.5	989.3	1293.0	1691.2
5°	0.0	5.2	8.6	53.0	172.2	346.5	536.6	748.4	1014.5	1318.3	1726.1
2.5°	0.0	5.3	8.7	56.0	180.8	361.7	555.7	771.3	1035.0	1337.7	1752.8
0°	0.0	5.3	8.9	58.7	188.5	375.2	572.6	791.3	1051.0	1351.5	1771.2
-2.5°	0.0	5.6	10.3	62.5	195.7	383.8	581.0	803.0	1056.7	1368.9	1783.1
-5°	0.0	5.9	11.7	66.0	201.8	390.5	587.1	811.5	1058.7	1380.3	1786.9
-7.5°	0.0	6.2	13.0	69.2	206.7	395.4	591.0	816.8	1057.2	1384.9	1783.0
-10°	0.0	6.4	14.3	71.9	210.5	398.5	592.8	818.8	1052.7	1382.1	1771.6
-12.5°	0.0	6.7	15.5	74.2	213.0	399.8	592.5	817.5	1045.4	1371.0	1752.2
-15°	0.0	6.9	16.6	76.0	214.2	399.2	590.1	812.7	1037.1	1349.3	1724.0
-17.5°	0.0	7.1	17.7	77.3	214.1	396.8	585.8	802.9	1027.0	1322.1	1687.3
-20°	0.0	7.3	18.7	78.1	212.5	392.6	579.1	788.9	1012.7	1289.7	1642.0

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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	7.4	19.6	78.4	209.5	386.6	569.5	772.1	994.0	1252.4	1588.2
-25°	0.0	7.5	20.4	78.0	205.1	377.3	557.5	752.6	970.9	1210.3	1526.0
-27.5°	0.0	7.6	21.0	77.0	199.1	365.7	543.4	730.4	943.4	1169.6	1470.9
-30°	0.0	7.7	21.6	75.4	191.6	352.5	527.0	705.7	913.3	1135.2	1412.0
-32.5°	0.0	7.7	22.0	73.2	182.9	337.8	508.4	682.9	881.4	1095.5	1348.9
-35°	0.0	7.7	22.3	70.4	173.2	321.5	488.3	658.8	846.8	1050.4	1282.1
-37.5°	0.0	7.7	22.5	66.9	162.5	305.1	466.7	632.2	809.9	1000.1	1216.1
-40°	0.0	7.6	22.5	62.7	150.9	290.3	443.4	603.2	770.5	952.5	1150.9
-42.5°	0.0	7.5	22.4	58.2	142.1	274.4	418.5	571.6	732.5	902.3	1080.8
-45°	0.0	7.3	22.1	53.6	136.1	257.5	392.1	539.0	693.6	848.7	1008.1
-47.5°	0.0	7.1	21.7	48.4	129.0	239.7	364.1	506.4	651.9	792.4	945.2
-50°	0.0	6.9	21.2	46.7	120.8	220.9	340.7	472.1	605.9	740.8	879.3
-52.5°	0.0	6.7	20.5	45.8	111.6	201.1	317.3	436.3	561.8	687.7	811.7
-55°	0.0	6.4	19.7	44.4	101.4	186.2	293.0	400.1	517.6	633.1	751.8
-57.5°	0.0	6.1	18.7	42.4	90.2	171.1	267.8	371.3	471.8	580.8	690.4
-60°	0.0	5.7	17.7	40.0	78.5	154.5	242.2	339.5	426.0	527.9	629.2
-62.5°	0.0	5.4	16.6	37.2	72.9	136.7	218.8	304.9	383.7	473.6	569.2
-65°	0.0	5.0	15.4	33.9	66.6	117.6	193.7	268.9	338.8	419.1	507.8
-67.5°	0.0	4.6	14.2	30.3	59.5	101.7	167.1	233.3	291.6	362.2	441.5
-70°	0.0	4.1	12.8	26.3	51.7	89.0	139.0	196.8	249.2	302.7	370.9
-72.5°	0.0	3.6	11.4	23.1	43.4	75.3	117.6	159.6	206.2	253.4	301.2
-75°	0.0	3.2	9.9	20.1	34.6	60.8	96.1	128.6	162.3	203.5	245.2
-77.5°	0.0	2.7	8.3	17.0	28.6	45.6	73.6	99.4	126.2	155.2	188.3
-80°	0.0	2.1	6.7	13.7	23.1	34.8	50.2	69.6	90.4	112.8	137.0
-82.5°	0.0	1.6	5.1	10.4	17.4	26.3	36.9	44.7	54.0	69.8	86.9
-85°	0.0	1.1	3.4	6.9	11.7	17.6	24.7	29.9	35.2	40.7	46.5
-87.5°	0.0	0.5	1.7	3.5	5.9	8.8	12.4	15.0	17.6	20.4	23.3
-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-SA5C-730-U-LAM-VSR-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°	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.3	1.4	1.4
85°	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8
72.5°	2.1	2.3	2.3	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
70°	2.8	2.9	2.5	2.1	1.8	1.9	2.1	2.0	1.8	1.8	1.8
67.5°	3.5	3.0	2.6	2.5	2.5	2.7	2.6	2.2	1.8	1.8	1.9
65°	3.6	3.1	4.5	5.1	3.8	3.2	2.8	2.3	2.5	2.6	2.6
62.5°	5.3	6.7	8.5	15.1	11.3	3.3	5.9	6.9	5.1	4.2	4.5
60°	17.4	11.8	35.1	50.2	31.4	11.5	14.0	46.4	40.3	7.4	25.1
57.5°	36.5	50.1	92.3	94.0	65.0	44.8	130.4	150.6	114.0	66.5	101.8
55°	80.4	123.6	153.1	141.7	154.7	234.3	278.4	250.1	210.5	323.9	413.8
52.5°	157.1	201.1	211.1	242.4	346.9	398.6	381.9	408.4	529.7	657.9	685.7
50°	231.9	267.9	295.9	427.9	509.7	514.9	552.9	673.0	834.7	913.2	894.2
47.5°	304.2	341.5	472.2	599.0	635.8	686.1	781.1	1012.9	1184.2	1187.5	1168.1
45°	380.6	480.3	647.1	729.8	789.4	886.8	1116.2	1436.0	1452.6	1499.0	1784.8
42.5°	462.4	637.0	782.6	868.6	964.9	1146.6	1452.7	1662.5	1734.7	1938.1	2167.9
40°	594.9	788.4	915.6	1025.5	1149.4	1414.5	1749.7	1946.3	2004.9	2181.0	2353.8
37.5°	729.2	914.8	1057.3	1190.0	1361.6	1719.4	2107.3	2269.4	2299.1	2331.3	2714.1
35°	858.7	1044.5	1215.1	1388.6	1599.1	2114.2	2453.3	2605.7	2601.0	2818.3	3219.2
32.5°	979.7	1177.0	1378.4	1610.5	1957.8	2485.5	2824.7	2916.0	3054.4	3370.7	3917.8
30°	1100.5	1324.8	1556.1	1832.6	2272.6	2730.0	3117.2	3264.0	3501.3	3862.2	4260.4
27.5°	1225.0	1476.4	1756.0	2080.0	2521.0	2941.5	3272.2	3623.1	3853.5	4177.0	4460.3
25°	1348.9	1636.9	1953.4	2296.4	2698.6	3090.5	3432.6	3837.7	4085.2	4345.9	4610.2
22.5°	1478.9	1799.6	2157.0	2467.8	2848.3	3217.2	3624.4	4063.9	4385.6	4551.3	4728.7
20°	1614.8	1975.6	2356.9	2701.2	2996.1	3334.8	3817.0	4350.9	4766.2	4952.7	4977.1
17.5°	1748.7	2146.1	2556.1	2928.9	3246.9	3548.4	4019.1	4694.8	5211.3	5384.7	5461.8
15°	1879.3	2310.1	2754.3	3150.4	3499.6	3868.3	4370.9	5058.1	5648.5	5840.4	5961.7
12.5°	2005.3	2466.6	2949.2	3364.6	3752.4	4166.0	4690.4	5319.4	5858.3	6229.4	6452.0
10°	2125.5	2614.3	3138.4	3570.3	4002.4	4442.1	4954.7	5514.1	5952.8	6310.7	6626.7
7.5°	2186.0	2710.8	3300.9	3766.0	4246.1	4697.3	5171.2	5651.3	6020.8	6371.9	6677.4
5°	2227.2	2750.5	3351.7	3834.2	4375.5	4867.6	5327.6	5741.5	6065.3	6413.2	6711.6
2.5°	2256.6	2776.2	3386.1	3871.5	4424.2	4919.9	5372.7	5771.6	6101.9	6442.8	6748.4
0°	2274.4	2788.4	3403.6	3894.5	4454.6	4954.3	5398.9	5783.0	6126.2	6457.0	6786.0
-2.5°	2284.5	2825.7	3415.3	3953.5	4484.0	4984.0	5435.5	5810.5	6169.1	6483.9	6813.7
-5°	2283.2	2847.9	3412.2	3993.1	4498.1	4995.6	5453.9	5822.9	6192.4	6504.0	6825.0
-7.5°	2270.8	2853.1	3396.9	4005.6	4498.7	4991.7	5445.8	5828.8	6192.0	6522.5	6826.0
-10°	2248.7	2832.9	3382.6	3973.4	4481.4	4971.4	5421.2	5815.8	6177.6	6518.8	6820.1
-12.5°	2222.7	2791.3	3353.0	3927.2	4446.3	4933.6	5383.9	5782.5	6150.5	6490.8	6806.5
-15°	2183.5	2736.0	3304.3	3868.4	4393.0	4878.6	5335.5	5728.1	6108.8	6442.1	6766.1
-17.5°	2131.0	2667.5	3235.7	3798.6	4321.1	4806.8	5273.3	5656.4	6035.2	6379.6	6692.3
-20°	2064.7	2586.3	3146.7	3719.4	4229.8	4710.4	5162.3	5563.5	5939.9	6290.2	6618.8



REPORT NUMBER: P645515 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1984.7	2493.0	3039.4	3612.4	4115.9	4591.1	5037.6	5445.2	5835.2	6174.0	6524.2
-25°	1904.5	2394.3	2920.9	3464.3	3983.6	4456.8	4904.6	5301.7	5700.3	6052.7	6385.4
-27.5°	1827.6	2279.9	2783.4	3301.2	3833.7	4304.6	4748.4	5145.8	5532.8	5918.1	6238.3
-30°	1741.4	2147.4	2632.6	3127.2	3646.2	4125.7	4572.8	4985.2	5353.4	5733.9	6077.8
-32.5°	1646.3	2007.0	2473.3	2949.1	3438.5	3928.6	4371.6	4781.2	5164.3	5524.1	5885.1
-35°	1553.3	1893.5	2304.5	2757.9	3218.4	3699.2	4142.5	4548.2	4945.8	5302.2	5647.2
-37.5°	1469.5	1770.7	2125.0	2558.2	2998.3	3453.0	3903.9	4296.7	4675.0	5066.9	5403.3
-40°	1379.0	1638.8	1969.7	2352.5	2767.4	3199.8	3631.5	4037.8	4393.5	4780.8	5150.7
-42.5°	1284.1	1531.3	1816.3	2134.8	2526.4	2934.1	3350.8	3748.2	4117.6	4483.0	4849.6
-45°	1201.1	1417.6	1660.4	1951.4	2270.2	2653.7	3048.2	3444.3	3798.8	4147.0	4509.1
-47.5°	1112.8	1303.3	1527.8	1760.2	2037.4	2358.0	2729.0	3094.4	3457.1	3788.5	4108.9
-50°	1024.8	1200.4	1384.9	1594.1	1822.8	2082.7	2390.9	2730.5	3062.0	3402.1	3719.4
-52.5°	949.0	1092.2	1258.9	1433.5	1629.3	1844.3	2091.2	2370.2	2671.6	2960.3	3276.9
-55°	870.3	999.4	1133.9	1287.7	1450.6	1632.1	1834.5	2069.0	2299.0	2566.0	2824.4
-57.5°	798.6	907.5	1022.2	1149.1	1290.6	1435.8	1612.8	1795.2	2003.9	2211.4	2416.1
-60°	730.9	819.9	917.2	1024.7	1138.4	1267.7	1399.7	1556.4	1724.5	1890.1	2063.8
-62.5°	662.7	737.6	816.9	906.2	1005.3	1103.0	1215.8	1336.4	1460.1	1600.5	1737.5
-65°	592.6	653.1	720.4	794.4	873.6	956.8	1043.4	1132.7	1237.9	1340.8	1440.3
-67.5°	518.2	569.9	624.4	682.7	749.0	814.4	879.6	955.1	1032.6	1108.7	1187.6
-70°	435.6	484.4	529.8	577.1	626.4	677.6	733.3	788.7	843.3	900.4	963.7
-72.5°	351.7	396.6	436.5	471.4	512.0	554.5	595.2	634.1	675.3	718.6	761.5
-75°	280.5	310.2	345.8	378.4	410.6	440.5	467.4	500.3	534.8	566.2	592.2
-77.5°	219.0	245.9	270.3	292.1	317.8	347.8	373.9	396.4	418.2	442.1	467.3
-80°	159.3	181.7	203.9	224.1	238.8	255.8	275.9	298.8	318.7	334.9	349.6
-82.5°	102.8	119.0	135.5	152.4	159.2	163.9	168.3	176.2	188.5	200.7	212.3
-85°	51.2	55.9	66.0	76.4	79.9	82.5	84.2	85.1	89.3	93.1	96.5
-87.5°	25.6	28.0	30.3	32.6	31.4	29.8	27.7	25.2	24.6	23.9	23.0
-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):

	-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°	1.5	1.5	1.6	1.6	1.6	1.3	0.8	0.4	0.0	0.0	0.0
85°	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.3	0.9
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
67.5°	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.6	1.2
65°	2.5	2.5	2.6	2.5	2.2	2.1	2.2	2.2	2.0	1.6	1.1
62.5°	4.5	5.1	4.0	3.9	3.9	3.8	3.6	3.4	3.2	3.0	3.2
60°	27.9	16.4	9.6	11.2	10.1	6.7	8.5	10.0	10.1	9.3	8.2
57.5°	154.6	115.4	85.5	204.0	204.7	97.7	117.7	185.0	152.3	50.0	46.5
55°	430.0	514.3	676.9	642.9	653.4	751.5	820.6	726.4	712.2	758.9	876.6
52.5°	772.5	852.9	907.6	958.7	1021.0	1087.9	1156.9	1200.8	1241.8	1285.5	1311.5
50°	986.5	1099.8	1177.5	1148.9	1310.0	1376.0	1309.0	1368.9	1441.9	1461.9	1471.3
47.5°	1456.6	1622.7	1655.7	1762.7	1858.8	1856.8	1775.1	1779.9	1997.1	2188.8	2282.9
45°	2093.4	2099.1	2203.5	2392.4	2527.5	2485.0	2598.9	2858.0	2944.3	3027.7	3096.1
42.5°	2341.5	2444.3	2611.0	2778.0	2878.7	2966.0	3050.4	3145.6	3257.6	3348.4	3421.0
40°	2581.7	2664.6	2835.2	2969.7	3053.1	3134.6	3232.9	3338.5	3441.0	3520.8	3575.2
37.5°	2951.4	3015.7	3057.2	3182.1	3339.8	3267.0	3453.6	3587.4	3648.5	3729.5	3736.8
35°	3510.8	3468.0	3412.7	3909.9	3939.6	3771.7	3946.2	4153.6	4044.3	4271.9	4394.3
32.5°	4006.6	4000.2	4434.2	4695.6	4545.2	4667.9	5070.1	5052.3	5320.4	5444.8	5409.3
30°	4473.7	4633.2	4884.1	5078.8	5104.9	5298.4	5477.0	5633.5	5795.3	5940.4	5950.4
27.5°	4710.9	4918.9	5089.3	5201.9	5327.6	5490.5	5652.6	5828.8	5966.4	6057.4	6079.7
25°	4854.4	5066.9	5195.8	5317.1	5455.9	5596.4	5777.9	5969.8	6080.3	6136.4	6154.4
22.5°	4980.9	5171.8	5310.5	5408.9	5558.2	5709.4	5878.5	6041.0	6161.2	6185.6	6194.6
20°	5102.6	5286.1	5517.7	5662.5	5655.3	5825.6	5988.7	6117.9	6218.0	6217.4	6219.8
17.5°	5454.8	5520.3	5940.6	6259.7	6101.7	6018.4	6466.8	6475.3	6501.9	6449.0	6334.2
15°	5976.2	6095.5	6611.8	6957.8	6848.9	6843.2	7490.8	7330.2	7468.4	7432.2	7587.8
12.5°	6528.6	6669.8	7055.7	7395.4	7557.2	7597.0	7813.3	8016.0	8057.7	8041.2	8010.7
10°	6904.9	7106.0	7261.0	7467.2	7630.4	7797.0	7922.3	8067.8	8115.5	8088.0	8049.0
7.5°	6953.9	7152.7	7334.6	7515.6	7671.0	7805.2	7935.2	8053.7	8102.2	8086.2	8059.4
5°	6985.1	7165.1	7341.5	7525.1	7673.7	7798.1	7927.6	8047.7	8076.3	8057.0	8031.0
2.5°	7004.3	7170.9	7341.0	7523.8	7658.8	7777.2	7908.3	8036.4	8036.1	8027.7	8012.5
0°	7013.6	7180.7	7378.1	7543.5	7694.7	7806.7	7936.5	8061.0	8052.1	8029.0	8002.3
-2.5°	7033.5	7202.9	7404.3	7541.5	7711.8	7814.4	7948.7	8056.4	8052.3	8040.9	8027.7
-5°	7051.4	7241.8	7430.3	7574.5	7745.3	7879.5	8012.8	8097.1	8101.6	8085.8	8063.5
-7.5°	7062.3	7273.4	7453.2	7597.9	7763.6	7919.7	8055.0	8143.4	8145.4	8124.3	8097.7
-10°	7058.6	7281.6	7466.6	7616.2	7785.9	7940.0	8081.4	8193.6	8189.9	8169.9	8147.2
-12.5°	7045.3	7268.0	7458.0	7608.1	7800.7	7959.3	8118.5	8230.0	8235.9	8220.9	8196.3
-15°	7016.0	7245.9	7430.7	7594.6	7783.4	7968.9	8132.3	8255.4	8277.4	8265.1	8245.6
-17.5°	6958.1	7200.7	7396.7	7573.3	7754.5	7952.2	8138.1	8272.7	8302.7	8297.8	8281.7
-20°	6882.0	7132.4	7331.3	7516.4	7713.6	7917.2	8133.6	8256.6	8300.1	8302.8	8291.9



REPORT NUMBER: P645515 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6796.6	7041.7	7252.8	7434.7	7648.5	7854.6	8050.6	8194.6	8267.8	8281.4	8282.3
-25°	6694.1	6946.0	7155.8	7349.5	7548.4	7761.2	7959.2	8120.0	8194.2	8229.7	8240.7
-27.5°	6549.4	6809.7	7016.2	7220.9	7423.2	7643.1	7851.2	8026.1	8086.4	8135.1	8154.7
-30°	6379.9	6637.3	6847.8	7035.0	7266.5	7490.6	7705.4	7857.9	7949.0	8004.7	8035.2
-32.5°	6185.0	6444.9	6665.8	6861.2	7081.3	7305.4	7507.4	7668.3	7793.8	7858.1	7890.7
-35°	5973.6	6238.9	6470.2	6676.1	6883.2	7096.9	7306.2	7474.6	7617.5	7672.8	7713.6
-37.5°	5718.6	6011.4	6248.5	6460.8	6657.6	6858.5	7076.4	7268.9	7407.7	7461.3	7504.4
-40°	5457.2	5740.1	5979.3	6205.8	6400.4	6619.6	6829.6	7031.3	7151.8	7214.3	7263.0
-42.5°	5181.3	5436.8	5664.2	5884.2	6100.9	6326.7	6536.5	6746.1	6850.3	6925.7	6985.4
-45°	4862.7	5100.4	5321.4	5527.3	5750.7	5972.7	6182.6	6367.9	6491.8	6589.9	6666.2
-47.5°	4437.9	4727.5	4949.4	5145.3	5366.7	5580.9	5784.3	5958.5	6094.4	6209.2	6297.8
-50°	4006.5	4284.4	4534.7	4754.7	4960.2	5158.2	5351.9	5522.3	5666.2	5790.5	5880.3
-52.5°	3581.6	3842.1	4090.4	4317.5	4515.0	4702.0	4879.2	5050.6	5202.3	5335.3	5422.1
-55°	3101.6	3371.4	3617.1	3828.9	4026.2	4210.9	4385.9	4548.5	4697.9	4833.3	4916.5
-57.5°	2651.3	2887.9	3116.5	3312.0	3498.3	3674.3	3840.2	3995.8	4139.5	4266.9	4347.2
-60°	2237.3	2409.9	2606.6	2787.1	2952.2	3102.0	3256.8	3401.9	3533.9	3646.0	3720.7
-62.5°	1871.4	2014.4	2156.5	2293.8	2427.7	2562.3	2691.8	2812.1	2922.5	3014.2	3079.8
-65°	1545.4	1660.3	1763.0	1860.4	1953.2	2059.3	2157.8	2250.5	2336.2	2406.6	2456.5
-67.5°	1272.5	1353.3	1424.3	1491.0	1564.2	1639.2	1709.5	1770.8	1823.2	1864.9	1897.8
-70°	1026.2	1085.6	1139.2	1192.4	1245.8	1294.6	1341.1	1386.2	1429.0	1463.9	1490.0
-72.5°	803.7	844.3	880.7	921.7	960.1	997.1	1029.3	1055.3	1075.5	1095.2	1112.3
-75°	612.7	643.2	684.3	719.0	747.8	773.1	796.4	817.1	835.4	851.5	865.7
-77.5°	492.8	518.7	544.9	570.3	594.7	613.0	629.9	646.8	663.4	677.7	690.4
-80°	365.3	384.6	404.8	425.1	445.4	455.4	463.5	470.9	477.5	486.0	494.0
-82.5°	223.3	234.3	245.5	256.9	268.3	271.1	272.1	271.8	270.3	267.2	262.5
-85°	99.4	100.0	99.7	98.5	96.6	92.7	87.9	82.3	76.0	75.1	73.9
-87.5°	21.9	21.4	20.8	20.1	19.3	19.3	19.2	19.1	18.9	19.5	20.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645515 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-U-LAM-VSR-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
85°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	1.7	1.7
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	0.9	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.0	0.0	1.0	1.8	1.8	1.8	1.8	1.8	1.8
67.5°	0.7	0.1	0.0	0.0	0.0	0.1	0.7	1.2	1.6	1.8	1.8
65°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.1	1.6	2.0	2.2
62.5°	3.3	3.4	3.6	3.6	3.6	3.4	3.3	3.2	3.0	3.2	3.4
60°	6.4	4.2	3.6	3.6	3.6	4.2	6.4	8.2	9.3	10.1	10.0
57.5°	39.3	29.3	24.9	23.1	24.9	29.3	39.3	46.5	50.0	152.3	185.0
55°	961.0	1009.9	1046.5	1063.4	1046.5	1009.9	961.0	876.6	758.9	712.2	726.4
52.5°	1334.4	1355.7	1367.9	1367.5	1367.9	1355.7	1334.4	1311.5	1285.5	1241.8	1200.8
50°	1487.3	1497.7	1501.3	1499.1	1501.3	1497.7	1487.3	1471.3	1461.9	1441.9	1368.9
47.5°	2197.0	2006.8	1867.0	1833.4	1867.0	2006.8	2197.0	2282.9	2188.8	1997.1	1779.9
45°	3128.9	3201.0	3272.8	3295.2	3272.8	3201.0	3128.9	3096.1	3027.7	2944.3	2858.0
42.5°	3451.6	3475.1	3488.4	3489.0	3488.4	3475.1	3451.6	3421.0	3348.4	3257.6	3145.6
40°	3605.7	3627.9	3640.8	3641.9	3640.8	3627.9	3605.7	3575.2	3520.8	3441.0	3338.5
37.5°	3745.6	3764.5	3776.9	3789.5	3776.9	3764.5	3745.6	3736.8	3729.5	3648.5	3587.4
35°	4377.8	4234.6	4028.7	4059.8	4028.7	4234.6	4377.8	4394.3	4271.9	4044.3	4153.6
32.5°	5464.7	5524.9	5562.5	5626.5	5562.5	5524.9	5464.7	5409.3	5444.8	5320.4	5052.3
30°	5966.3	5986.2	6016.3	6048.0	6016.3	5986.2	5966.3	5950.4	5940.4	5795.3	5633.5
27.5°	6091.4	6112.0	6130.3	6144.0	6130.3	6112.0	6091.4	6079.7	6057.4	5966.4	5828.8
25°	6156.9	6169.7	6189.2	6206.2	6189.2	6169.7	6156.9	6154.4	6136.4	6080.3	5969.8
22.5°	6189.4	6190.7	6206.0	6227.6	6206.0	6190.7	6189.4	6194.6	6185.6	6161.2	6041.0
20°	6211.7	6199.6	6215.4	6229.3	6215.4	6199.6	6211.7	6219.8	6217.4	6218.0	6117.9
17.5°	6496.1	6333.9	6267.2	6268.5	6267.2	6333.9	6496.1	6334.2	6449.0	6501.9	6475.3
15°	7413.2	7474.1	7707.3	7833.4	7707.3	7474.1	7413.2	7587.8	7432.2	7468.4	7330.2
12.5°	8005.0	7983.4	7955.7	7993.4	7955.7	7983.4	8005.0	8010.7	8041.2	8057.7	8016.0
10°	8032.4	8029.9	7980.6	8034.3	7980.6	8029.9	8032.4	8049.0	8088.0	8115.5	8067.8
7.5°	8015.6	8017.1	7996.1	8048.5	7996.1	8017.1	8015.6	8059.4	8086.2	8102.2	8053.7
5°	8026.8	7990.6	8004.3	8034.3	8004.3	7990.6	8026.8	8031.0	8057.0	8076.3	8047.7
2.5°	7995.7	7992.0	7965.2	7986.3	7965.2	7992.0	7995.7	8012.5	8027.7	8036.1	8036.4
0°	7972.1	7952.5	7952.5	7970.3	7952.5	7952.5	7972.1	8002.3	8029.0	8052.1	8061.0
-2.5°	8014.2	8010.0	8007.5	7995.2	8007.5	8010.0	8014.2	8027.7	8040.9	8052.3	8056.4
-5°	8048.7	8038.1	8009.0	8048.5	8009.0	8038.1	8048.7	8063.5	8085.8	8101.6	8097.1
-7.5°	8085.9	8058.9	8031.3	8093.0	8031.3	8058.9	8085.9	8097.7	8124.3	8145.4	8143.4
-10°	8119.8	8080.8	8053.9	8114.3	8053.9	8080.8	8119.8	8147.2	8169.9	8189.9	8193.6
-12.5°	8164.7	8119.1	8101.1	8133.9	8101.1	8119.1	8164.7	8196.3	8220.9	8235.9	8230.0
-15°	8212.6	8181.0	8176.8	8196.1	8176.8	8181.0	8212.6	8245.6	8265.1	8277.4	8255.4
-17.5°	8254.7	8232.5	8243.5	8265.5	8243.5	8232.5	8254.7	8281.7	8297.8	8302.7	8272.7
-20°	8274.8	8262.4	8274.7	8329.5	8274.7	8262.4	8274.8	8291.9	8302.8	8300.1	8256.6

Classified

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

Scaled Data Report



REPORT NUMBER: P645515 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-730-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8273.1	8273.8	8295.6	8313.5	8295.6	8273.8	8273.1	8282.3	8281.4	8267.8	8194.6
-25°	8241.5	8258.2	8283.1	8318.8	8283.1	8258.2	8241.5	8240.7	8229.7	8194.2	8120.0
-27.5°	8165.3	8193.0	8219.1	8256.6	8219.1	8193.0	8165.3	8154.7	8135.1	8086.4	8026.1
-30°	8055.2	8088.1	8111.4	8151.7	8111.4	8088.1	8055.2	8035.2	8004.7	7949.0	7857.9
-32.5°	7921.3	7958.5	7986.1	8014.8	7986.1	7958.5	7921.3	7890.7	7858.1	7793.8	7668.3
-35°	7753.9	7793.9	7823.2	7849.4	7823.2	7793.9	7753.9	7713.6	7672.8	7617.5	7474.6
-37.5°	7552.7	7595.8	7629.1	7659.1	7629.1	7595.8	7552.7	7504.4	7461.3	7407.7	7268.9
-40°	7318.3	7362.6	7398.1	7431.5	7398.1	7362.6	7318.3	7263.0	7214.3	7151.8	7031.3
-42.5°	7044.2	7088.9	7125.6	7159.4	7125.6	7088.9	7044.2	6985.4	6925.7	6850.3	6746.1
-45°	6727.7	6773.7	6812.6	6848.2	6812.6	6773.7	6727.7	6666.2	6589.9	6491.8	6367.9
-47.5°	6363.2	6412.5	6445.7	6462.3	6445.7	6412.5	6363.2	6297.8	6209.2	6094.4	5958.5
-50°	5945.4	5994.6	6034.6	6064.0	6034.6	5994.6	5945.4	5880.3	5790.5	5666.2	5522.3
-52.5°	5485.5	5532.3	5566.6	5587.4	5566.6	5532.3	5485.5	5422.1	5335.3	5202.3	5050.6
-55°	4982.0	5031.0	5063.5	5078.8	5063.5	5031.0	4982.0	4916.5	4833.3	4697.9	4548.5
-57.5°	4410.8	4457.4	4492.0	4511.5	4492.0	4457.4	4410.8	4347.2	4266.9	4139.5	3995.8
-60°	3779.0	3820.7	3846.9	3857.1	3846.9	3820.7	3779.0	3720.7	3646.0	3533.9	3401.9
-62.5°	3132.6	3172.1	3196.7	3206.3	3196.7	3172.1	3132.6	3079.8	3014.2	2922.5	2812.1
-65°	2493.7	2518.4	2532.1	2534.1	2532.1	2518.4	2493.7	2456.5	2406.6	2336.2	2250.5
-67.5°	1923.8	1942.6	1954.1	1957.9	1954.1	1942.6	1923.8	1897.8	1864.9	1823.2	1770.8
-70°	1509.6	1522.6	1529.8	1531.1	1529.8	1522.6	1509.6	1490.0	1463.9	1429.0	1386.2
-72.5°	1125.5	1134.8	1131.5	1123.9	1131.5	1134.8	1125.5	1112.3	1095.2	1075.5	1055.3
-75°	878.0	888.2	883.9	876.7	883.9	888.2	878.0	865.7	851.5	835.4	817.1
-77.5°	701.4	710.7	706.1	698.9	706.1	710.7	701.4	690.4	677.7	663.4	646.8
-80°	500.9	506.4	510.2	512.1	510.2	506.4	500.9	494.0	486.0	477.5	470.9
-82.5°	256.3	248.8	244.1	238.3	244.1	248.8	256.3	262.5	267.2	270.3	271.8
-85°	72.5	70.7	71.9	72.9	71.9	70.7	72.5	73.9	75.1	76.0	82.3
-87.5°	20.7	21.2	21.3	21.3	21.3	21.2	20.7	20.1	19.5	18.9	19.1
-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: P645515 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-U-LAM-VSR-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°	0.8	1.3	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3
85°	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.0
67.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.8	1.8	2.2
65°	2.2	2.1	2.2	2.5	2.6	2.5	2.5	2.6	2.6	2.5	2.3
62.5°	3.6	3.8	3.9	3.9	4.0	5.1	4.5	4.5	4.2	5.1	6.9
60°	8.5	6.7	10.1	11.2	9.6	16.4	27.9	25.1	7.4	40.3	46.4
57.5°	117.7	97.7	204.7	204.0	85.5	115.4	154.6	101.8	66.5	114.0	150.6
55°	820.6	751.5	653.4	642.9	676.9	514.3	430.0	413.8	323.9	210.5	250.1
52.5°	1156.9	1087.9	1021.0	958.7	907.6	852.9	772.5	685.7	657.9	529.7	408.4
50°	1309.0	1376.0	1310.0	1148.9	1177.5	1099.8	986.5	894.2	913.2	834.7	673.0
47.5°	1775.1	1856.8	1858.8	1762.7	1655.7	1622.7	1456.6	1168.1	1187.5	1184.2	1012.9
45°	2598.9	2485.0	2527.5	2392.4	2203.5	2099.1	2093.4	1784.8	1499.0	1452.6	1436.0
42.5°	3050.4	2966.0	2878.7	2778.0	2611.0	2444.3	2341.5	2167.9	1938.1	1734.7	1662.5
40°	3232.9	3134.6	3053.1	2969.7	2835.2	2664.6	2581.7	2353.8	2181.0	2004.9	1946.3
37.5°	3453.6	3267.0	3339.8	3182.1	3057.2	3015.7	2951.4	2714.1	2331.3	2299.1	2269.4
35°	3946.2	3771.7	3939.6	3909.9	3412.7	3468.0	3510.8	3219.2	2818.3	2601.0	2605.7
32.5°	5070.1	4667.9	4545.2	4695.6	4434.2	4000.2	4006.6	3917.8	3370.7	3054.4	2916.0
30°	5477.0	5298.4	5104.9	5078.8	4884.1	4633.2	4473.7	4260.4	3862.2	3501.3	3264.0
27.5°	5652.6	5490.5	5327.6	5201.9	5089.3	4918.9	4710.9	4460.3	4177.0	3853.5	3623.1
25°	5777.9	5596.4	5455.9	5317.1	5195.8	5066.9	4854.4	4610.2	4345.9	4085.2	3837.7
22.5°	5878.5	5709.4	5558.2	5408.9	5310.5	5171.8	4980.9	4728.7	4551.3	4385.6	4063.9
20°	5988.7	5825.6	5655.3	5662.5	5517.7	5286.1	5102.6	4977.1	4952.7	4766.2	4350.9
17.5°	6466.8	6018.4	6101.7	6259.7	5940.6	5520.3	5454.8	5461.8	5384.7	5211.3	4694.8
15°	7490.8	6843.2	6848.9	6957.8	6611.8	6095.5	5976.2	5961.7	5840.4	5648.5	5058.1
12.5°	7813.3	7597.0	7557.2	7395.4	7055.7	6669.8	6528.6	6452.0	6229.4	5858.3	5319.4
10°	7922.3	7797.0	7630.4	7467.2	7261.0	7106.0	6904.9	6626.7	6310.7	5952.8	5514.1
7.5°	7935.2	7805.2	7671.0	7515.6	7334.6	7152.7	6953.9	6677.4	6371.9	6020.8	5651.3
5°	7927.6	7798.1	7673.7	7525.1	7341.5	7165.1	6985.1	6711.6	6413.2	6065.3	5741.5
2.5°	7908.3	7777.2	7658.8	7523.8	7341.0	7170.9	7004.3	6748.4	6442.8	6101.9	5771.6
0°	7936.5	7806.7	7694.7	7543.5	7378.1	7180.7	7013.6	6786.0	6457.0	6126.2	5783.0
-2.5°	7948.7	7814.4	7711.8	7541.5	7404.3	7202.9	7033.5	6813.7	6483.9	6169.1	5810.5
-5°	8012.8	7879.5	7745.3	7574.5	7430.3	7241.8	7051.4	6825.0	6504.0	6192.4	5822.9
-7.5°	8055.0	7919.7	7763.6	7597.9	7453.2	7273.4	7062.3	6826.0	6522.5	6192.0	5828.8
-10°	8081.4	7940.0	7785.9	7616.2	7466.6	7281.6	7058.6	6820.1	6518.8	6177.6	5815.8
-12.5°	8118.5	7959.3	7800.7	7608.1	7458.0	7268.0	7045.3	6806.5	6490.8	6150.5	5782.5
-15°	8132.3	7968.9	7783.4	7594.6	7430.7	7245.9	7016.0	6766.1	6442.1	6108.8	5728.1
-17.5°	8138.1	7952.2	7754.5	7573.3	7396.7	7200.7	6958.1	6692.3	6379.6	6035.2	5656.4
-20°	8133.6	7917.2	7713.6	7516.4	7331.3	7132.4	6882.0	6618.8	6290.2	5939.9	5563.5



REPORT NUMBER: P645515 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8050.6	7854.6	7648.5	7434.7	7252.8	7041.7	6796.6	6524.2	6174.0	5835.2	5445.2
-25°	7959.2	7761.2	7548.4	7349.5	7155.8	6946.0	6694.1	6385.4	6052.7	5700.3	5301.7
-27.5°	7851.2	7643.1	7423.2	7220.9	7016.2	6809.7	6549.4	6238.3	5918.1	5532.8	5145.8
-30°	7705.4	7490.6	7266.5	7035.0	6847.8	6637.3	6379.9	6077.8	5733.9	5353.4	4985.2
-32.5°	7507.4	7305.4	7081.3	6861.2	6665.8	6444.9	6185.0	5885.1	5524.1	5164.3	4781.2
-35°	7306.2	7096.9	6883.2	6676.1	6470.2	6238.9	5973.6	5647.2	5302.2	4945.8	4548.2
-37.5°	7076.4	6858.5	6657.6	6460.8	6248.5	6011.4	5718.6	5403.3	5066.9	4675.0	4296.7
-40°	6829.6	6619.6	6400.4	6205.8	5979.3	5740.1	5457.2	5150.7	4780.8	4393.5	4037.8
-42.5°	6536.5	6326.7	6100.9	5884.2	5664.2	5436.8	5181.3	4849.6	4483.0	4117.6	3748.2
-45°	6182.6	5972.7	5750.7	5527.3	5321.4	5100.4	4862.7	4509.1	4147.0	3798.8	3444.3
-47.5°	5784.3	5580.9	5366.7	5145.3	4949.4	4727.5	4437.9	4108.9	3788.5	3457.1	3094.4
-50°	5351.9	5158.2	4960.2	4754.7	4534.7	4284.4	4006.5	3719.4	3402.1	3062.0	2730.5
-52.5°	4879.2	4702.0	4515.0	4317.5	4090.4	3842.1	3581.6	3276.9	2960.3	2671.6	2370.2
-55°	4385.9	4210.9	4026.2	3828.9	3617.1	3371.4	3101.6	2824.4	2566.0	2299.0	2069.0
-57.5°	3840.2	3674.3	3498.3	3312.0	3116.5	2887.9	2651.3	2416.1	2211.4	2003.9	1795.2
-60°	3256.8	3102.0	2952.2	2787.1	2606.6	2409.9	2237.3	2063.8	1890.1	1724.5	1556.4
-62.5°	2691.8	2562.3	2427.7	2293.8	2156.5	2014.4	1871.4	1737.5	1600.5	1460.1	1336.4
-65°	2157.8	2059.3	1953.2	1860.4	1763.0	1660.3	1545.4	1440.3	1340.8	1237.9	1132.7
-67.5°	1709.5	1639.2	1564.2	1491.0	1424.3	1353.3	1272.5	1187.6	1108.7	1032.6	955.1
-70°	1341.1	1294.6	1245.8	1192.4	1139.2	1085.6	1026.2	963.7	900.4	843.3	788.7
-72.5°	1029.3	997.1	960.1	921.7	880.7	844.3	803.7	761.5	718.6	675.3	634.1
-75°	796.4	773.1	747.8	719.0	684.3	643.2	612.7	592.2	566.2	534.8	500.3
-77.5°	629.9	613.0	594.7	570.3	544.9	518.7	492.8	467.3	442.1	418.2	396.4
-80°	463.5	455.4	445.4	425.1	404.8	384.6	365.3	349.6	334.9	318.7	298.8
-82.5°	272.1	271.1	268.3	256.9	245.5	234.3	223.3	212.3	200.7	188.5	176.2
-85°	87.9	92.7	96.6	98.5	99.7	100.0	99.4	96.5	93.1	89.3	85.1
-87.5°	19.2	19.3	19.3	20.1	20.8	21.4	21.9	23.0	23.9	24.6	25.2
-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: P645515 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-U-LAM-VSR-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°	1.2	1.2	1.1	1.0	1.0	0.9	0.8	0.8	0.9	0.9	0.9
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.5	1.7	1.9	1.9
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3	2.7	2.9
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.3	2.8	3.2
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.3	2.8	3.2
75°	1.8	1.8	1.8	1.9	1.9	1.8	1.8	1.9	2.4	2.8	3.3
72.5°	1.8	1.8	1.8	2.0	2.3	2.3	2.1	2.0	2.4	2.9	3.3
70°	2.1	1.9	1.8	2.1	2.5	2.9	2.8	2.9	2.5	2.9	3.3
67.5°	2.6	2.7	2.5	2.5	2.6	3.0	3.5	4.1	4.0	3.0	3.4
65°	2.8	3.2	3.8	5.1	4.5	3.1	3.6	7.0	5.6	4.8	3.4
62.5°	5.9	3.3	11.3	15.1	8.5	6.7	5.3	15.5	9.8	6.6	4.8
60°	14.0	11.5	31.4	50.2	35.1	11.8	17.4	26.9	24.7	8.6	6.7
57.5°	130.4	44.8	65.0	94.0	92.3	50.1	36.5	48.8	42.0	24.2	9.5
55°	278.4	234.3	154.7	141.7	153.1	123.6	80.4	78.9	64.8	44.9	15.4
52.5°	381.9	398.6	346.9	242.4	211.1	201.1	157.1	114.4	101.6	67.3	39.0
50°	552.9	514.9	509.7	427.9	295.9	267.9	231.9	178.8	142.6	96.3	65.8
47.5°	781.1	686.1	635.8	599.0	472.2	341.5	304.2	244.5	187.8	138.7	94.0
45°	1116.2	886.8	789.4	729.8	647.1	480.3	380.6	308.3	244.7	186.2	123.4
42.5°	1452.7	1146.6	964.9	868.6	782.6	637.0	462.4	381.9	300.2	234.6	160.8
40°	1749.7	1414.5	1149.4	1025.5	915.6	788.4	594.9	460.7	354.6	284.4	203.3
37.5°	2107.3	1719.4	1361.6	1190.0	1057.3	914.8	729.2	542.9	420.0	336.6	245.9
35°	2453.3	2114.2	1599.1	1388.6	1215.1	1044.5	858.7	640.1	500.3	389.7	288.5
32.5°	2824.7	2485.5	1957.8	1610.5	1378.4	1177.0	979.7	758.4	581.0	443.4	330.9
30°	3117.2	2730.0	2272.6	1832.6	1556.1	1324.8	1100.5	871.8	662.0	497.5	373.8
27.5°	3272.2	2941.5	2521.0	2080.0	1756.0	1476.4	1225.0	980.2	742.8	557.1	418.4
25°	3432.6	3090.5	2698.6	2296.4	1953.4	1636.9	1348.9	1083.6	831.1	624.3	462.5
22.5°	3624.4	3217.2	2848.3	2467.8	2157.0	1799.6	1478.9	1188.3	919.3	690.1	505.9
20°	3817.0	3334.8	2996.1	2701.2	2356.9	1975.6	1614.8	1290.3	1002.6	754.2	548.4
17.5°	4019.1	3548.4	3246.9	2928.9	2556.1	2146.1	1748.7	1389.2	1080.7	816.3	589.7
15°	4370.9	3868.3	3499.6	3150.4	2754.3	2310.1	1879.3	1484.2	1153.6	876.0	628.1
12.5°	4690.4	4166.0	3752.4	3364.6	2949.2	2466.6	2005.3	1574.6	1221.1	923.6	662.3
10°	4954.7	4442.1	4002.4	3570.3	3138.4	2614.3	2125.5	1648.2	1261.6	959.1	693.8
7.5°	5171.2	4697.3	4246.1	3766.0	3300.9	2710.8	2186.0	1691.2	1293.0	989.3	722.5
5°	5327.6	4867.6	4375.5	3834.2	3351.7	2750.5	2227.2	1726.1	1318.3	1014.5	748.4
2.5°	5372.7	4919.9	4424.2	3871.5	3386.1	2776.2	2256.6	1752.8	1337.7	1035.0	771.3
0°	5398.9	4954.3	4454.6	3894.5	3403.6	2788.4	2274.4	1771.2	1351.5	1051.0	791.3
-2.5°	5435.5	4984.0	4484.0	3953.5	3415.3	2825.7	2284.5	1783.1	1368.9	1056.7	803.0
-5°	5453.9	4995.6	4498.1	3993.1	3412.2	2847.9	2283.2	1786.9	1380.3	1058.7	811.5
-7.5°	5445.8	4991.7	4498.7	4005.6	3396.9	2853.1	2270.8	1783.0	1384.9	1057.2	816.8
-10°	5421.2	4971.4	4481.4	3973.4	3382.6	2832.9	2248.7	1771.6	1382.1	1052.7	818.8
-12.5°	5383.9	4933.6	4446.3	3927.2	3353.0	2791.3	2222.7	1752.2	1371.0	1045.4	817.5
-15°	5335.5	4878.6	4393.0	3868.4	3304.3	2736.0	2183.5	1724.0	1349.3	1037.1	812.7
-17.5°	5273.3	4806.8	4321.1	3798.6	3235.7	2667.5	2131.0	1687.3	1322.1	1027.0	802.9
-20°	5162.3	4710.4	4229.8	3719.4	3146.7	2586.3	2064.7	1642.0	1289.7	1012.7	788.9



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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°	5037.6	4591.1	4115.9	3612.4	3039.4	2493.0	1984.7	1588.2	1252.4	994.0	772.1
-25°	4904.6	4456.8	3983.6	3464.3	2920.9	2394.3	1904.5	1526.0	1210.3	970.9	752.6
-27.5°	4748.4	4304.6	3833.7	3301.2	2783.4	2279.9	1827.6	1470.9	1169.6	943.4	730.4
-30°	4572.8	4125.7	3646.2	3127.2	2632.6	2147.4	1741.4	1412.0	1135.2	913.3	705.7
-32.5°	4371.6	3928.6	3438.5	2949.1	2473.3	2007.0	1646.3	1348.9	1095.5	881.4	682.9
-35°	4142.5	3699.2	3218.4	2757.9	2304.5	1893.5	1553.3	1282.1	1050.4	846.8	658.8
-37.5°	3903.9	3453.0	2998.3	2558.2	2125.0	1770.7	1469.5	1216.1	1000.1	809.9	632.2
-40°	3631.5	3199.8	2767.4	2352.5	1969.7	1638.8	1379.0	1150.9	952.5	770.5	603.2
-42.5°	3350.8	2934.1	2526.4	2134.8	1816.3	1531.3	1284.1	1080.8	902.3	732.5	571.6
-45°	3048.2	2653.7	2270.2	1951.4	1660.4	1417.6	1201.1	1008.1	848.7	693.6	539.0
-47.5°	2729.0	2358.0	2037.4	1760.2	1527.8	1303.3	1112.8	945.2	792.4	651.9	506.4
-50°	2390.9	2082.7	1822.8	1594.1	1384.9	1200.4	1024.8	879.3	740.8	605.9	472.1
-52.5°	2091.2	1844.3	1629.3	1433.5	1258.9	1092.2	949.0	811.7	687.7	561.8	436.3
-55°	1834.5	1632.1	1450.6	1287.7	1133.9	999.4	870.3	751.8	633.1	517.6	400.1
-57.5°	1612.8	1435.8	1290.6	1149.1	1022.2	907.5	798.6	690.4	580.8	471.8	371.3
-60°	1399.7	1267.7	1138.4	1024.7	917.2	819.9	730.9	629.2	527.9	426.0	339.5
-62.5°	1215.8	1103.0	1005.3	906.2	816.9	737.6	662.7	569.2	473.6	383.7	304.9
-65°	1043.4	956.8	873.6	794.4	720.4	653.1	592.6	507.8	419.1	338.8	268.9
-67.5°	879.6	814.4	749.0	682.7	624.4	569.9	518.2	441.5	362.2	291.6	233.3
-70°	733.3	677.6	626.4	577.1	529.8	484.4	435.6	370.9	302.7	249.2	196.8
-72.5°	595.2	554.5	512.0	471.4	436.5	396.6	351.7	301.2	253.4	206.2	159.6
-75°	467.4	440.5	410.6	378.4	345.8	310.2	280.5	245.2	203.5	162.3	128.6
-77.5°	373.9	347.8	317.8	292.1	270.3	245.9	219.0	188.3	155.2	126.2	99.4
-80°	275.9	255.8	238.8	224.1	203.9	181.7	159.3	137.0	112.8	90.4	69.6
-82.5°	168.3	163.9	159.2	152.4	135.5	119.0	102.8	86.9	69.8	54.0	44.7
-85°	84.2	82.5	79.9	76.4	66.0	55.9	51.2	46.5	40.7	35.2	29.9
-87.5°	27.7	29.8	31.4	32.6	30.3	28.0	25.6	23.3	20.4	17.6	15.0
-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):

	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°	0.9	0.8	0.6	0.5	0.3	0.2	0.0
85°	1.9	1.6	1.2	0.9	0.6	0.4	0.0
82.5°	2.8	2.3	1.9	1.4	0.9	0.6	0.0
80°	3.6	3.1	2.5	1.9	1.3	0.8	0.0
77.5°	3.6	3.6	3.1	2.3	1.6	1.0	0.0
75°	3.6	3.7	3.6	2.8	1.9	1.2	0.0
72.5°	3.7	3.9	3.8	3.2	2.2	1.3	0.0
70°	3.8	4.0	3.9	3.6	2.5	1.5	0.0
67.5°	4.2	4.1	4.1	3.8	2.9	1.7	0.0
65°	4.8	4.7	4.3	4.0	3.2	1.9	0.0
62.5°	5.6	5.9	4.5	4.1	3.5	2.1	0.0
60°	6.6	7.2	4.7	4.3	3.8	2.3	0.0
57.5°	12.2	8.6	6.0	4.5	4.0	2.5	0.0
55°	19.4	10.1	7.5	4.7	4.2	2.6	0.0
52.5°	27.9	13.0	9.1	4.9	4.4	2.8	0.0
50°	37.5	22.1	10.7	5.1	4.6	3.0	0.0
47.5°	50.5	31.9	12.4	5.5	4.8	3.2	0.0
45°	76.1	42.5	14.2	6.9	5.0	3.3	0.0
42.5°	102.4	53.6	16.1	8.2	5.2	3.5	0.0
40°	129.2	65.5	21.6	10.0	5.5	3.6	0.0
37.5°	156.6	78.0	30.9	12.1	5.7	3.8	0.0
35°	184.4	96.8	40.3	14.5	5.9	3.9	0.0
32.5°	214.6	118.8	49.8	17.1	6.2	4.1	0.0
30°	249.0	140.5	59.4	19.9	6.4	4.2	0.0
27.5°	282.8	162.0	71.3	22.9	6.6	4.4	0.0
25°	315.8	183.2	83.5	26.1	6.9	4.5	0.0
22.5°	347.8	204.7	95.6	29.4	7.1	4.6	0.0
20°	378.8	227.9	107.6	32.8	7.3	4.7	0.0
17.5°	409.4	250.3	119.4	36.3	7.5	4.8	0.0
15°	438.8	271.8	131.0	39.7	7.8	4.9	0.0
12.5°	466.3	292.3	142.1	43.2	8.0	5.0	0.0
10°	491.8	311.7	152.8	46.6	8.2	5.1	0.0
7.5°	515.3	329.8	162.8	49.9	8.4	5.1	0.0
5°	536.6	346.5	172.2	53.0	8.6	5.2	0.0
2.5°	555.7	361.7	180.8	56.0	8.7	5.3	0.0
0°	572.6	375.2	188.5	58.7	8.9	5.3	0.0
-2.5°	581.0	383.8	195.7	62.5	10.3	5.6	0.0
-5°	587.1	390.5	201.8	66.0	11.7	5.9	0.0
-7.5°	591.0	395.4	206.7	69.2	13.0	6.2	0.0
-10°	592.8	398.5	210.5	71.9	14.3	6.4	0.0
-12.5°	592.5	399.8	213.0	74.2	15.5	6.7	0.0
-15°	590.1	399.2	214.2	76.0	16.6	6.9	0.0
-17.5°	585.8	396.8	214.1	77.3	17.7	7.1	0.0
-20°	579.1	392.6	212.5	78.1	18.7	7.3	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	569.5	386.6	209.5	78.4	19.6	7.4	0.0
-25°	557.5	377.3	205.1	78.0	20.4	7.5	0.0
-27.5°	543.4	365.7	199.1	77.0	21.0	7.6	0.0
-30°	527.0	352.5	191.6	75.4	21.6	7.7	0.0
-32.5°	508.4	337.8	182.9	73.2	22.0	7.7	0.0
-35°	488.3	321.5	173.2	70.4	22.3	7.7	0.0
-37.5°	466.7	305.1	162.5	66.9	22.5	7.7	0.0
-40°	443.4	290.3	150.9	62.7	22.5	7.6	0.0
-42.5°	418.5	274.4	142.1	58.2	22.4	7.5	0.0
-45°	392.1	257.5	136.1	53.6	22.1	7.3	0.0
-47.5°	364.1	239.7	129.0	48.4	21.7	7.1	0.0
-50°	340.7	220.9	120.8	46.7	21.2	6.9	0.0
-52.5°	317.3	201.1	111.6	45.8	20.5	6.7	0.0
-55°	293.0	186.2	101.4	44.4	19.7	6.4	0.0
-57.5°	267.8	171.1	90.2	42.4	18.7	6.1	0.0
-60°	242.2	154.5	78.5	40.0	17.7	5.7	0.0
-62.5°	218.8	136.7	72.9	37.2	16.6	5.4	0.0
-65°	193.7	117.6	66.6	33.9	15.4	5.0	0.0
-67.5°	167.1	101.7	59.5	30.3	14.2	4.6	0.0
-70°	139.0	89.0	51.7	26.3	12.8	4.1	0.0
-72.5°	117.6	75.3	43.4	23.1	11.4	3.6	0.0
-75°	96.1	60.8	34.6	20.1	9.9	3.2	0.0
-77.5°	73.6	45.6	28.6	17.0	8.3	2.7	0.0
-80°	50.2	34.8	23.1	13.7	6.7	2.1	0.0
-82.5°	36.9	26.3	17.4	10.4	5.1	1.6	0.0
-85°	24.7	17.6	11.7	6.9	3.4	1.1	0.0
-87.5°	12.4	8.8	5.9	3.5	1.7	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)