

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: P645473 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4C-750-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645473 (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-SA4C-750-U-LAM-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

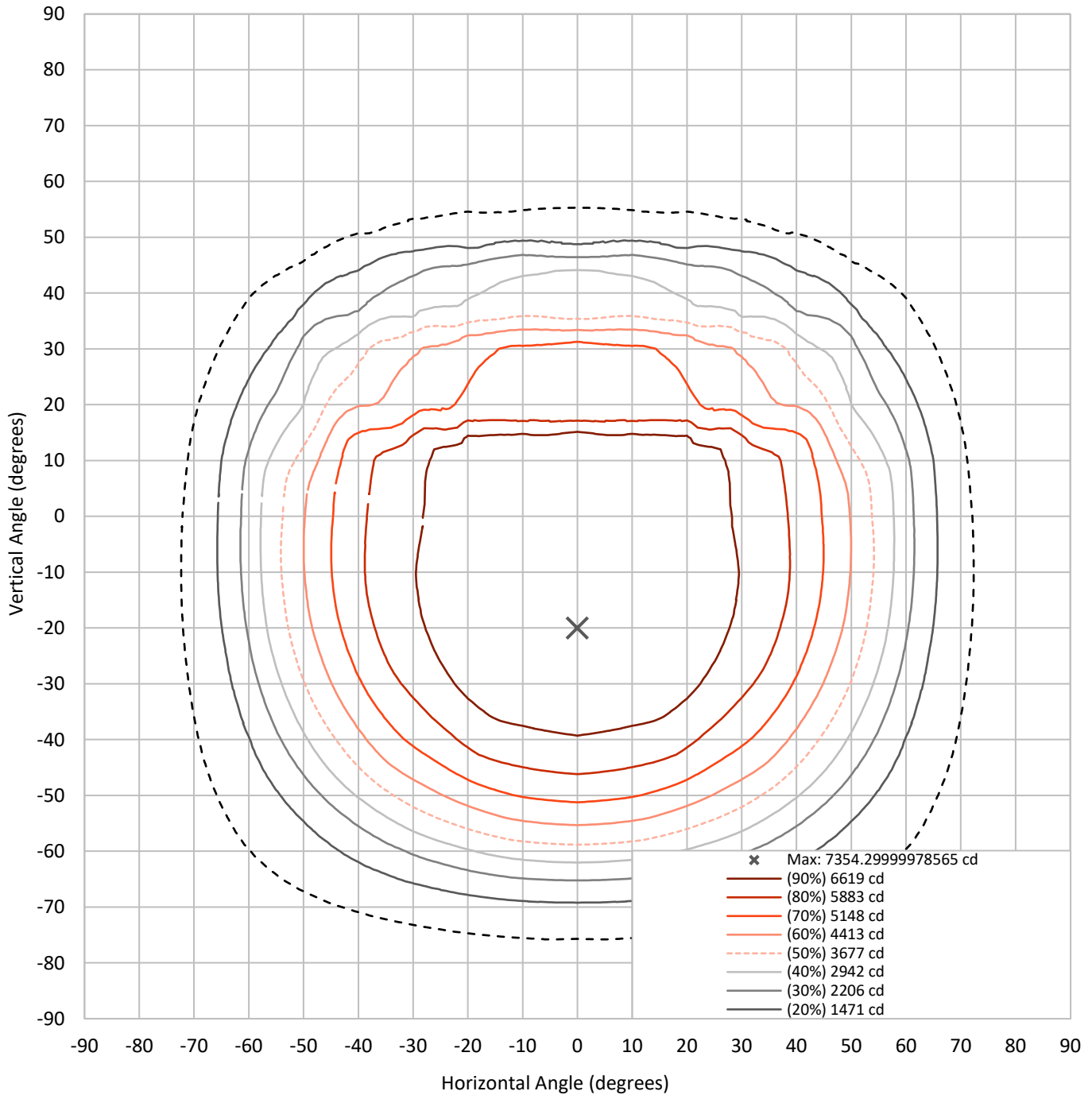
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	17244.4 lumens	Max Intensity:	7354.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	102.5 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	13480.6 lumens	Field Lumens:	16901.9 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	168.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		





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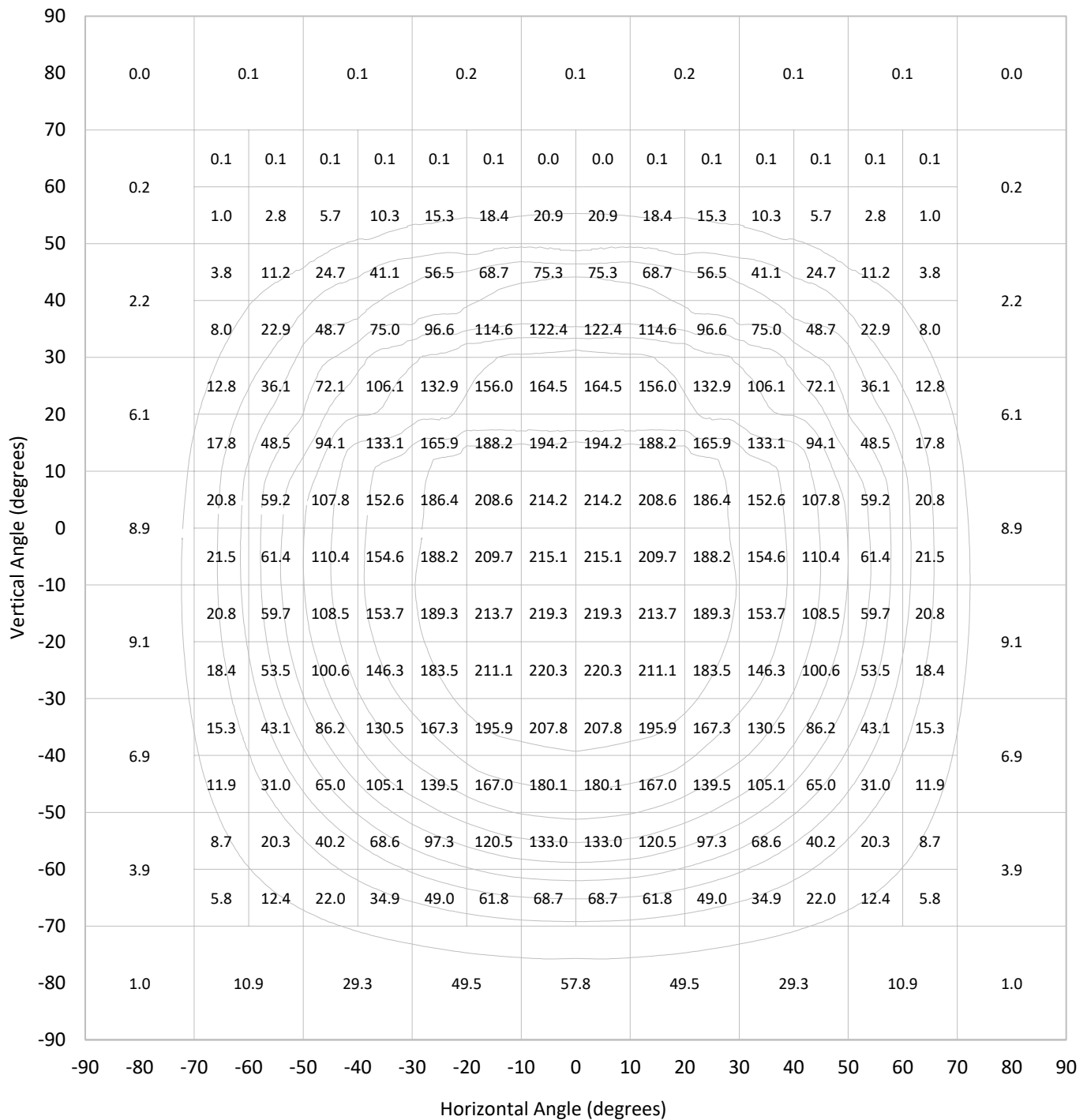
Iso-Candela Plot





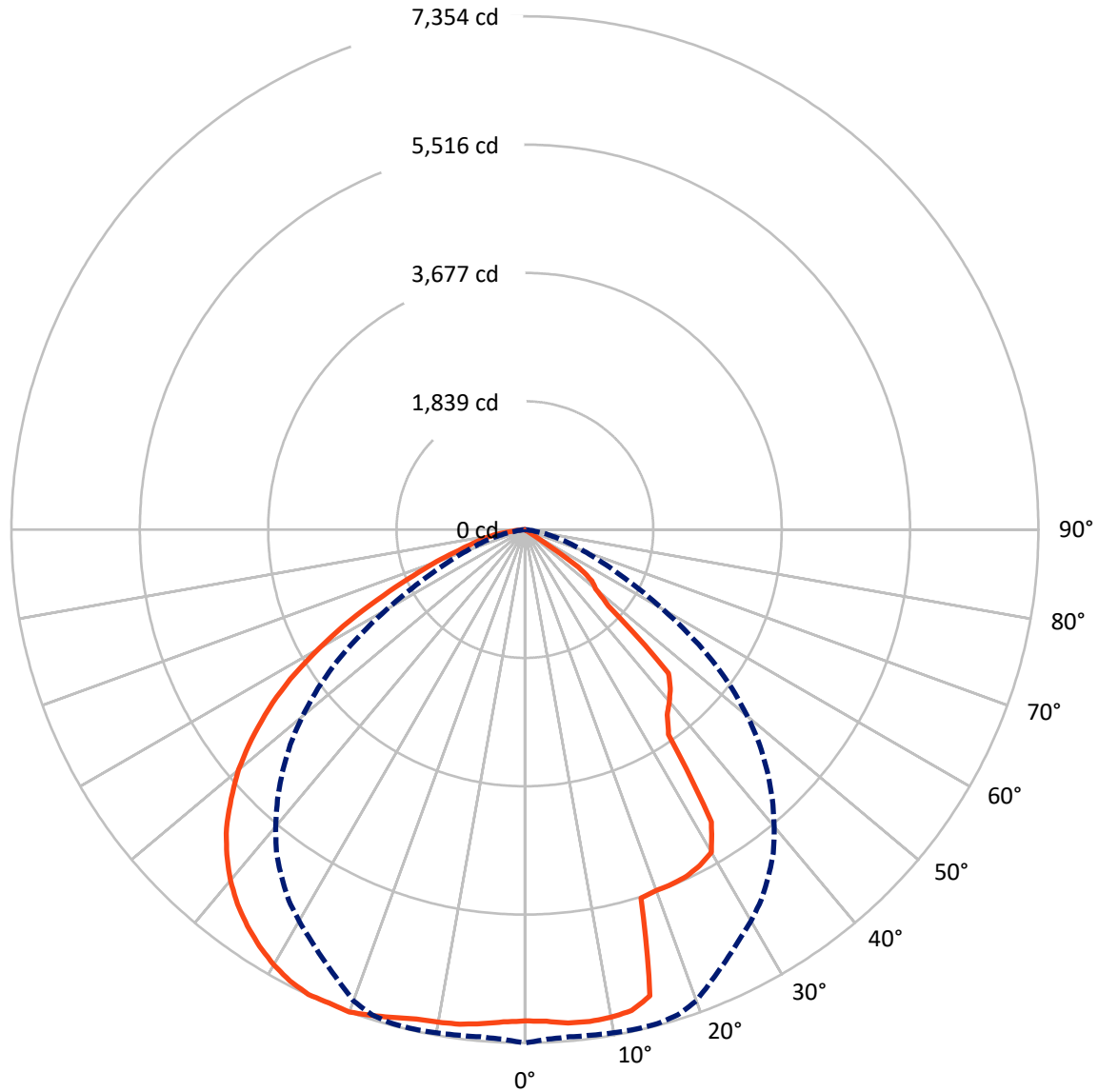
REPORT NUMBER: P645473 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



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Luminous Intensity Polar Plot

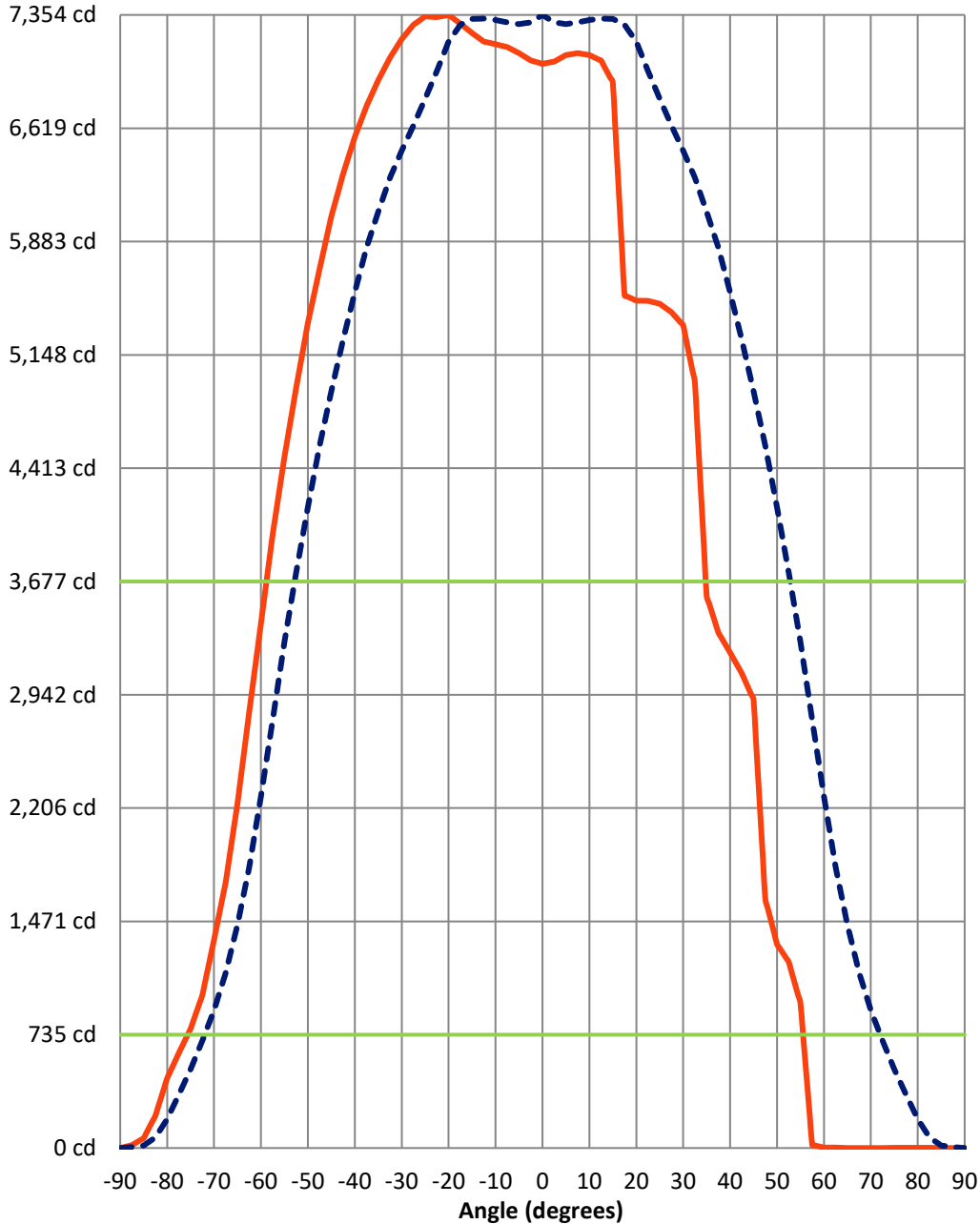


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 13480.6
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 16901.9
 Efficiency: 98.0%

Spill:
 Lumens: 342.5
 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	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.7
85°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.6	1.6	1.5	1.4
82.5°	0.0	0.5	0.8	1.2	1.6	2.0	2.4	2.5	2.4	2.0	1.6
80°	0.0	0.7	1.1	1.6	2.1	2.7	3.1	2.8	2.4	2.0	1.7
77.5°	0.0	0.8	1.4	2.0	2.7	3.1	3.1	2.8	2.4	2.0	1.7
75°	0.0	1.0	1.6	2.4	3.1	3.2	3.1	2.8	2.4	2.1	1.7
72.5°	0.0	1.2	1.9	2.8	3.3	3.3	3.2	2.8	2.5	2.1	1.8
70°	0.0	1.3	2.2	3.1	3.4	3.5	3.3	2.9	2.5	2.2	2.5
67.5°	0.0	1.5	2.5	3.3	3.6	3.6	3.7	2.9	2.6	3.5	3.5
65°	0.0	1.7	2.7	3.4	3.7	4.1	4.2	3.0	4.1	4.9	6.1
62.5°	0.0	1.8	3.0	3.6	3.9	5.2	4.9	4.2	5.8	8.6	13.7
60°	0.0	2.0	3.3	3.8	4.1	6.3	5.8	5.9	7.5	21.8	23.7
57.5°	0.0	2.2	3.5	3.9	5.3	7.5	10.7	8.3	21.3	37.0	43.0
55°	0.0	2.3	3.7	4.1	6.6	8.9	17.1	13.5	39.6	57.2	69.6
52.5°	0.0	2.5	3.8	4.3	8.0	11.4	24.6	34.4	59.4	89.7	101.0
50°	0.0	2.6	4.0	4.5	9.5	19.5	33.1	58.1	85.0	125.9	157.8
47.5°	0.0	2.8	4.2	4.9	11.0	28.2	44.5	83.0	122.5	165.8	215.8
45°	0.0	2.9	4.4	6.1	12.5	37.5	67.2	109.0	164.4	216.0	272.2
42.5°	0.0	3.1	4.6	7.3	14.2	47.3	90.4	142.0	207.1	265.0	337.2
40°	0.0	3.2	4.8	8.8	19.1	57.8	114.1	179.5	251.1	313.0	406.7
37.5°	0.0	3.3	5.0	10.7	27.2	68.8	138.3	217.1	297.2	370.8	479.3
35°	0.0	3.5	5.2	12.8	35.6	85.5	162.8	254.7	344.0	441.7	565.2
32.5°	0.0	3.6	5.4	15.1	44.0	104.8	189.5	292.2	391.4	513.0	669.6
30°	0.0	3.7	5.7	17.6	52.5	124.1	219.9	330.0	439.3	584.5	769.7
27.5°	0.0	3.8	5.9	20.3	62.9	143.0	249.7	369.4	491.8	655.8	865.5
25°	0.0	4.0	6.1	23.1	73.7	161.7	278.8	408.3	551.2	733.8	956.7
22.5°	0.0	4.1	6.3	26.0	84.4	180.8	307.1	446.7	609.3	811.7	1049.1
20°	0.0	4.2	6.5	29.0	95.0	201.2	334.4	484.2	665.9	885.2	1139.2
17.5°	0.0	4.3	6.7	32.0	105.4	221.0	361.4	520.7	720.7	954.2	1226.5
15°	0.0	4.3	6.9	35.1	115.6	240.0	387.4	554.5	773.4	1018.5	1310.4
12.5°	0.0	4.4	7.1	38.1	125.4	258.1	411.7	584.8	815.4	1078.1	1390.2
10°	0.0	4.5	7.3	41.1	134.9	275.2	434.3	612.6	846.8	1113.9	1455.2
7.5°	0.0	4.6	7.4	44.0	143.7	291.2	455.0	637.9	873.4	1141.6	1493.2
5°	0.0	4.6	7.6	46.8	152.0	306.0	473.8	660.8	895.7	1163.9	1524.0
2.5°	0.0	4.7	7.8	49.4	159.6	319.4	490.7	681.0	913.7	1181.1	1547.6
0°	0.0	4.7	7.9	51.8	166.4	331.3	505.6	698.7	927.9	1193.3	1563.8
-2.5°	0.0	5.0	9.1	55.2	172.7	338.9	513.0	709.0	933.0	1208.7	1574.4
-5°	0.0	5.2	10.3	58.3	178.1	344.8	518.4	716.5	934.7	1218.7	1577.7
-7.5°	0.0	5.5	11.5	61.1	182.5	349.2	521.9	721.2	933.5	1222.7	1574.2
-10°	0.0	5.7	12.6	63.5	185.9	351.9	523.4	723.0	929.5	1220.3	1564.2
-12.5°	0.0	5.9	13.7	65.5	188.1	353.0	523.2	721.8	923.0	1210.5	1547.0
-15°	0.0	6.1	14.7	67.1	189.2	352.5	521.1	717.6	915.7	1191.3	1522.1
-17.5°	0.0	6.3	15.7	68.3	189.0	350.4	517.3	708.9	906.8	1167.3	1489.7
-20°	0.0	6.4	16.5	69.0	187.7	346.7	511.4	696.6	894.2	1138.7	1449.7

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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	6.6	17.3	69.2	185.0	341.4	502.8	681.7	877.7	1105.8	1402.3
-25°	0.0	6.7	18.0	68.9	181.1	333.2	492.3	664.5	857.3	1068.7	1347.3
-27.5°	0.0	6.8	18.6	68.0	175.8	322.9	479.8	645.0	832.9	1032.7	1298.6
-30°	0.0	6.8	19.1	66.6	169.2	311.3	465.3	623.1	806.4	1002.4	1246.6
-32.5°	0.0	6.8	19.4	64.7	161.5	298.3	448.9	603.0	778.2	967.3	1191.0
-35°	0.0	6.8	19.7	62.1	153.0	283.9	431.2	581.7	747.7	927.4	1132.0
-37.5°	0.0	6.8	19.8	59.0	143.5	269.5	412.1	558.2	715.0	883.0	1073.8
-40°	0.0	6.7	19.8	55.4	133.3	256.4	391.5	532.6	680.3	841.0	1016.2
-42.5°	0.0	6.6	19.7	51.4	125.5	242.3	369.5	504.7	646.7	796.6	954.3
-45°	0.0	6.5	19.5	47.4	120.2	227.4	346.2	475.9	612.4	749.3	890.0
-47.5°	0.0	6.3	19.2	42.7	113.9	211.7	321.5	447.1	575.6	699.6	834.5
-50°	0.0	6.1	18.7	41.2	106.7	195.0	300.8	416.8	534.9	654.1	776.3
-52.5°	0.0	5.9	18.1	40.4	98.6	177.6	280.2	385.2	496.0	607.2	716.7
-55°	0.0	5.7	17.4	39.2	89.6	164.5	258.7	353.2	457.0	559.0	663.7
-57.5°	0.0	5.4	16.5	37.5	79.7	151.1	236.5	327.8	416.6	512.8	609.6
-60°	0.0	5.1	15.6	35.3	69.3	136.5	213.9	299.8	376.1	466.1	555.5
-62.5°	0.0	4.7	14.7	32.8	64.4	120.7	193.3	269.2	338.8	418.1	502.6
-65°	0.0	4.4	13.6	30.0	58.8	103.9	171.1	237.5	299.2	370.0	448.3
-67.5°	0.0	4.0	12.5	26.7	52.5	89.8	147.6	206.1	257.5	319.8	389.8
-70°	0.0	3.6	11.3	23.2	45.7	78.6	122.8	173.8	220.1	267.3	327.5
-72.5°	0.0	3.2	10.0	20.4	38.3	66.5	103.9	140.9	182.0	223.8	266.0
-75°	0.0	2.8	8.7	17.8	30.5	53.7	84.9	113.6	143.3	179.7	216.5
-77.5°	0.0	2.3	7.4	15.0	25.2	40.3	65.0	87.8	111.5	137.0	166.2
-80°	0.0	1.9	5.9	12.1	20.4	30.7	44.4	61.5	79.8	99.6	120.9
-82.5°	0.0	1.4	4.5	9.1	15.4	23.2	32.6	39.5	47.7	61.7	76.7
-85°	0.0	1.0	3.0	6.1	10.3	15.6	21.9	26.4	31.1	36.0	41.1
-87.5°	0.0	0.5	1.5	3.1	5.2	7.8	11.0	13.2	15.6	18.0	20.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	0.7	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.3
85°	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.8	2.0	2.0	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	2.5	2.5	2.2	1.8	1.6	1.7	1.8	1.8	1.6	1.6	1.6
67.5°	3.0	2.6	2.3	2.2	2.2	2.4	2.3	1.9	1.6	1.6	1.6
65°	3.1	2.7	3.9	4.4	3.2	2.8	2.4	2.0	2.2	2.2	2.3
62.5°	4.6	5.8	7.5	13.2	9.9	2.9	5.2	6.1	4.5	3.7	4.0
60°	15.3	10.4	30.9	44.3	27.6	10.1	12.3	41.0	35.6	6.6	22.2
57.5°	32.2	44.2	81.5	82.9	57.3	39.6	115.2	133.1	100.7	58.8	89.9
55°	71.0	109.0	135.1	125.0	136.6	206.9	245.8	220.8	185.9	286.0	365.4
52.5°	138.6	177.5	186.3	214.0	306.3	352.0	337.2	360.6	467.7	580.9	605.4
50°	204.7	236.5	261.3	377.8	450.1	454.6	488.1	594.2	737.0	806.2	789.5
47.5°	268.5	301.5	416.9	528.9	561.3	605.8	689.6	894.3	1045.5	1048.5	1031.4
45°	336.0	424.0	571.4	644.4	697.0	783.0	985.5	1267.9	1282.5	1323.5	1575.9
42.5°	408.2	562.4	690.9	766.9	851.9	1012.4	1282.7	1467.9	1531.6	1711.2	1914.1
40°	525.2	696.0	808.4	905.4	1014.8	1248.9	1544.9	1718.4	1770.2	1925.7	2078.2
37.5°	643.8	807.7	933.5	1050.6	1202.2	1518.2	1860.6	2003.7	2030.0	2058.4	2396.4
35°	758.1	922.1	1072.8	1226.0	1411.9	1866.8	2166.1	2300.6	2296.5	2488.4	2842.3
32.5°	864.9	1039.1	1216.9	1421.9	1728.6	2194.6	2494.0	2574.6	2696.8	2976.0	3459.1
30°	971.6	1169.7	1373.8	1618.0	2006.5	2410.4	2752.3	2881.9	3091.3	3410.0	3761.6
27.5°	1081.5	1303.5	1550.4	1836.5	2225.9	2597.1	2889.2	3198.9	3402.3	3687.9	3938.1
25°	1190.9	1445.1	1724.7	2027.5	2382.6	2728.7	3030.7	3388.4	3606.9	3837.1	4070.5
22.5°	1305.7	1588.8	1904.5	2178.9	2514.8	2840.5	3200.1	3588.1	3872.1	4018.5	4175.1
20°	1425.7	1744.2	2081.0	2384.9	2645.3	2944.4	3370.1	3841.5	4208.2	4372.9	4394.4
17.5°	1543.9	1894.8	2256.8	2585.9	2866.8	3133.0	3548.6	4145.2	4601.2	4754.3	4822.3
15°	1659.2	2039.6	2431.8	2781.5	3089.8	3415.4	3859.2	4465.9	4987.2	5156.6	5263.7
12.5°	1770.5	2177.8	2603.9	2970.7	3313.1	3678.2	4141.2	4696.6	5172.5	5500.1	5696.6
10°	1876.6	2308.2	2770.9	3152.2	3533.8	3922.0	4374.6	4868.5	5255.9	5571.9	5850.8
7.5°	1930.1	2393.4	2914.4	3325.0	3748.9	4147.3	4565.7	4989.7	5315.9	5625.9	5895.6
5°	1966.4	2428.4	2959.3	3385.2	3863.3	4297.7	4703.9	5069.2	5355.2	5662.3	5925.8
2.5°	1992.4	2451.1	2989.6	3418.2	3906.2	4343.9	4743.7	5095.9	5387.5	5688.4	5958.2
0°	2008.1	2461.9	3005.1	3438.5	3933.1	4374.3	4766.8	5105.9	5408.9	5701.0	5991.4
-2.5°	2017.0	2494.8	3015.4	3490.6	3959.0	4400.5	4799.1	5130.2	5446.8	5724.7	6015.9
-5°	2015.9	2514.5	3012.7	3525.6	3971.5	4410.7	4815.3	5141.1	5467.4	5742.5	6025.9
-7.5°	2004.9	2519.0	2999.1	3536.6	3972.0	4407.2	4808.2	5146.4	5467.1	5758.8	6026.8
-10°	1985.4	2501.2	2986.6	3508.2	3956.8	4389.4	4786.5	5134.8	5454.3	5755.5	6021.6
-12.5°	1962.4	2464.5	2960.4	3467.4	3925.8	4356.0	4753.6	5105.4	5430.4	5730.9	6009.6
-15°	1927.9	2415.7	2917.4	3415.5	3878.7	4307.4	4710.8	5057.5	5393.5	5687.8	5974.0
-17.5°	1881.4	2355.2	2856.9	3353.9	3815.2	4244.1	4655.9	4994.1	5328.6	5632.7	5908.8
-20°	1823.0	2283.5	2778.3	3283.9	3734.6	4158.9	4557.9	4912.1	5244.5	5553.7	5843.9

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1752.3	2201.1	2683.6	3189.4	3634.0	4053.6	4447.8	4807.7	5152.1	5451.2	5760.4
-25°	1681.5	2113.9	2578.9	3058.7	3517.2	3935.0	4330.4	4681.0	5032.9	5344.1	5637.8
-27.5°	1613.6	2012.9	2457.5	2914.7	3384.8	3800.6	4192.4	4543.3	4885.0	5225.2	5508.0
-30°	1537.5	1896.0	2324.3	2761.1	3219.3	3642.7	4037.4	4401.5	4726.6	5062.6	5366.2
-32.5°	1453.5	1772.0	2183.6	2603.8	3036.0	3468.6	3859.7	4221.4	4559.6	4877.3	5196.1
-35°	1371.4	1671.8	2034.6	2435.0	2841.6	3266.1	3657.5	4015.7	4366.7	4681.4	4986.0
-37.5°	1297.5	1563.3	1876.2	2258.7	2647.3	3048.8	3446.9	3793.6	4127.6	4473.6	4770.6
-40°	1217.5	1446.9	1739.0	2077.1	2443.3	2825.1	3206.3	3565.0	3879.0	4221.0	4547.6
-42.5°	1133.8	1352.1	1603.7	1884.9	2230.6	2590.6	2958.5	3309.4	3635.5	3958.1	4281.8
-45°	1060.5	1251.7	1466.0	1722.9	2004.4	2342.9	2691.3	3041.0	3354.0	3661.5	3981.1
-47.5°	982.5	1150.8	1349.0	1554.1	1798.8	2081.9	2409.4	2732.0	3052.4	3344.9	3627.8
-50°	904.8	1059.9	1222.8	1407.5	1609.4	1838.9	2111.0	2410.8	2703.5	3003.8	3284.0
-52.5°	837.9	964.4	1111.5	1265.7	1438.5	1628.3	1846.4	2092.7	2358.8	2613.7	2893.2
-55°	768.4	882.4	1001.2	1137.0	1280.8	1441.0	1619.7	1826.7	2029.8	2265.5	2493.7
-57.5°	705.1	801.2	902.5	1014.6	1139.6	1267.8	1423.9	1585.0	1769.3	1952.5	2133.2
-60°	645.4	723.9	809.9	904.8	1005.2	1119.3	1235.9	1374.2	1522.6	1668.9	1822.2
-62.5°	585.1	651.2	721.3	800.1	887.7	974.0	1073.5	1180.0	1289.2	1413.2	1534.1
-65°	523.2	576.7	636.1	701.4	771.3	844.8	921.2	1000.2	1093.0	1183.8	1271.7
-67.5°	457.5	503.2	551.3	602.7	661.4	719.1	776.6	843.3	911.7	978.9	1048.6
-70°	384.6	427.7	467.8	509.5	553.1	598.3	647.5	696.4	744.6	795.0	850.9
-72.5°	310.5	350.2	385.4	416.3	452.1	489.6	525.5	559.8	596.2	634.5	672.3
-75°	247.7	273.9	305.3	334.1	362.5	389.0	412.7	441.8	472.1	499.9	522.8
-77.5°	193.3	217.1	238.6	257.9	280.6	307.0	330.2	350.0	369.3	390.3	412.6
-80°	140.6	160.4	180.0	197.8	210.9	225.9	243.6	263.8	281.4	295.7	308.7
-82.5°	90.8	105.1	119.6	134.5	140.5	144.7	148.6	155.6	166.5	177.2	187.4
-85°	45.3	49.4	58.3	67.4	70.6	72.8	74.3	75.1	78.8	82.2	85.2
-87.5°	22.7	24.7	26.8	28.8	27.7	26.3	24.4	22.2	21.7	21.1	20.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645473 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-750-U-LAM-VSR-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°	1.3	1.3	1.4	1.4	1.5	1.1	0.8	0.4	0.0	0.0	0.0
85°	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.2	0.8
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
67.5°	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.4	1.0
65°	2.2	2.2	2.3	2.2	1.9	1.9	2.0	1.9	1.7	1.4	1.0
62.5°	3.9	4.4	3.5	3.5	3.4	3.3	3.1	3.0	2.8	2.6	2.7
60°	24.6	14.5	8.5	9.9	8.9	5.9	7.5	8.8	8.9	8.2	7.2
57.5°	136.5	101.9	75.5	180.2	180.7	86.3	103.9	163.3	134.5	44.2	41.0
55°	379.7	454.1	597.6	567.7	576.9	663.5	724.5	641.4	628.8	670.0	774.0
52.5°	682.1	753.0	801.3	846.5	901.5	960.6	1021.4	1060.2	1096.4	1134.9	1157.9
50°	871.0	971.0	1039.7	1014.4	1156.7	1214.9	1155.8	1208.6	1273.0	1290.7	1299.0
47.5°	1286.1	1432.8	1461.9	1556.3	1641.2	1639.4	1567.3	1571.5	1763.3	1932.5	2015.6
45°	1848.4	1853.3	1945.5	2112.4	2231.6	2194.0	2294.7	2523.5	2599.6	2673.2	2733.6
42.5°	2067.4	2158.1	2305.3	2452.8	2541.7	2618.8	2693.3	2777.3	2876.2	2956.4	3020.5
40°	2279.4	2352.5	2503.2	2622.1	2695.7	2767.7	2854.4	2947.6	3038.1	3108.6	3156.6
37.5°	2605.8	2662.6	2699.3	2809.5	2948.8	2884.5	3049.2	3167.3	3221.3	3292.9	3299.3
35°	3099.7	3062.0	3013.1	3452.1	3478.4	3330.1	3484.2	3667.3	3570.8	3771.8	3879.8
32.5°	3537.5	3531.9	3915.0	4145.7	4013.0	4121.4	4476.6	4460.8	4697.5	4807.3	4776.0
30°	3949.9	4090.7	4312.3	4484.1	4507.2	4678.1	4835.8	4973.9	5116.8	5244.9	5253.7
27.5°	4159.4	4343.0	4493.5	4592.9	4703.8	4847.6	4990.8	5146.4	5267.9	5348.3	5367.9
25°	4286.0	4473.7	4587.5	4694.6	4817.1	4941.1	5101.4	5270.9	5368.5	5418.0	5433.8
22.5°	4397.7	4566.3	4688.7	4775.6	4907.4	5040.9	5190.3	5333.7	5439.8	5461.4	5469.3
20°	4505.2	4667.2	4871.7	4999.5	4993.2	5143.5	5287.5	5401.6	5490.0	5489.5	5491.6
17.5°	4816.1	4874.0	5245.1	5526.8	5387.3	5313.7	5709.6	5717.1	5740.6	5693.9	5592.6
15°	5276.5	5381.8	5837.8	6143.2	6047.0	6041.9	6613.8	6472.0	6594.0	6562.1	6699.4
12.5°	5764.2	5888.9	6229.6	6529.5	6672.4	6707.5	6898.5	7077.5	7114.3	7099.8	7072.8
10°	6096.5	6274.0	6410.9	6592.9	6737.0	6884.1	6994.8	7123.2	7165.4	7141.0	7106.6
7.5°	6139.7	6315.2	6475.9	6635.6	6772.9	6891.4	7006.2	7110.8	7153.7	7139.5	7115.8
5°	6167.2	6326.2	6482.0	6644.0	6775.3	6885.1	6999.5	7105.5	7130.7	7113.7	7090.7
2.5°	6184.2	6331.4	6481.5	6642.8	6762.1	6866.6	6982.4	7095.5	7095.3	7087.9	7074.4
0°	6192.4	6340.0	6514.3	6660.3	6793.8	6892.7	7007.3	7117.2	7109.3	7088.9	7065.4
-2.5°	6210.1	6359.6	6537.4	6658.4	6808.9	6899.5	7018.0	7113.2	7109.5	7099.5	7087.8
-5°	6225.8	6394.0	6560.4	6687.6	6838.5	6956.9	7074.6	7149.1	7153.0	7139.1	7119.5
-7.5°	6235.4	6421.8	6580.6	6708.4	6854.7	6992.4	7111.9	7189.9	7191.7	7173.1	7149.6
-10°	6232.2	6429.0	6592.4	6724.5	6874.3	7010.4	7135.2	7234.2	7231.0	7213.3	7193.3
-12.5°	6220.4	6417.0	6584.8	6717.3	6887.4	7027.5	7168.0	7266.4	7271.6	7258.4	7236.7
-15°	6194.6	6397.5	6560.7	6705.4	6872.1	7035.9	7180.2	7288.9	7308.3	7297.4	7280.2
-17.5°	6143.4	6357.6	6530.7	6686.6	6846.6	7021.1	7185.2	7304.1	7330.6	7326.3	7312.0
-20°	6076.2	6297.2	6473.0	6636.3	6810.5	6990.2	7181.2	7289.9	7328.3	7330.8	7321.1



REPORT NUMBER: P645473 (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°	6000.8	6217.2	6403.6	6564.2	6753.0	6935.0	7108.0	7235.2	7299.8	7311.8	7312.6
-25°	5910.4	6132.8	6317.9	6489.0	6664.6	6852.6	7027.3	7169.3	7234.8	7266.1	7275.9
-27.5°	5782.6	6012.5	6194.7	6375.5	6554.1	6748.3	6932.0	7086.4	7139.6	7182.7	7199.9
-30°	5633.0	5860.2	6046.1	6211.3	6415.7	6613.6	6803.3	6937.9	7018.3	7067.5	7094.4
-32.5°	5460.9	5690.3	5885.3	6057.9	6252.2	6450.1	6628.5	6770.5	6881.3	6938.1	6966.8
-35°	5274.3	5508.5	5712.7	5894.4	6077.3	6266.0	6450.8	6599.4	6725.6	6774.4	6810.4
-37.5°	5049.1	5307.6	5516.9	5704.4	5878.1	6055.5	6247.9	6417.8	6540.4	6587.7	6625.7
-40°	4818.3	5068.1	5279.2	5479.2	5651.0	5844.6	6030.0	6208.1	6314.4	6369.6	6412.6
-42.5°	4574.6	4800.2	5001.1	5195.3	5386.6	5586.0	5771.2	5956.3	6048.3	6114.8	6167.5
-45°	4293.3	4503.2	4698.4	4880.2	5077.4	5273.4	5458.8	5622.3	5731.8	5818.4	5885.7
-47.5°	3918.3	4174.0	4369.9	4542.8	4738.3	4927.5	5107.1	5260.9	5380.9	5482.2	5560.5
-50°	3537.4	3782.9	4003.8	4198.1	4379.5	4554.3	4725.3	4875.7	5002.8	5112.6	5191.8
-52.5°	3162.3	3392.3	3611.5	3812.1	3986.5	4151.5	4307.9	4459.3	4593.2	4710.6	4787.3
-55°	2738.5	2976.7	3193.6	3380.6	3554.8	3718.0	3872.4	4016.0	4147.9	4267.4	4340.9
-57.5°	2340.9	2549.8	2751.6	2924.2	3088.7	3244.1	3390.5	3528.0	3654.9	3767.4	3838.2
-60°	1975.4	2127.7	2301.4	2460.8	2606.6	2738.8	2875.5	3003.6	3120.2	3219.1	3285.1
-62.5°	1652.4	1778.6	1904.0	2025.2	2143.4	2262.2	2376.6	2482.9	2580.3	2661.3	2719.2
-65°	1364.5	1466.0	1556.7	1642.6	1724.5	1818.2	1905.2	1987.0	2062.7	2124.8	2168.9
-67.5°	1123.6	1194.9	1257.6	1316.5	1381.1	1447.3	1509.4	1563.5	1609.8	1646.6	1675.7
-70°	906.1	958.5	1005.8	1052.8	1099.9	1143.0	1184.1	1223.9	1261.7	1292.5	1315.6
-72.5°	709.6	745.4	777.6	813.8	847.7	880.4	908.8	931.8	949.6	966.9	982.1
-75°	541.0	567.9	604.2	634.9	660.3	682.7	703.2	721.5	737.6	751.8	764.4
-77.5°	435.1	458.0	481.1	503.5	525.1	541.2	556.2	571.1	585.8	598.4	609.6
-80°	322.5	339.5	357.4	375.3	393.2	402.1	409.2	415.8	421.6	429.2	436.2
-82.5°	197.2	206.8	216.8	226.8	236.9	239.4	240.3	240.0	238.7	236.0	231.8
-85°	87.7	88.3	88.0	87.0	85.3	81.9	77.6	72.7	67.2	66.3	65.3
-87.5°	19.3	18.9	18.4	17.7	17.0	17.0	17.0	16.9	16.7	17.3	17.8
-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: P645473 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-750-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	0.8	1.2	1.5	1.5
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	0.8	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	0.9	0.0	0.9	1.6	1.6	1.6	1.6	1.6	1.6
67.5°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.0	1.4	1.6	1.6
65°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	1.0	1.4	1.7	1.9
62.5°	2.8	3.0	3.1	3.1	3.1	3.0	2.8	2.7	2.6	2.8	3.0
60°	5.7	3.7	3.1	3.1	3.1	3.7	5.7	7.2	8.2	8.9	8.8
57.5°	34.7	25.9	22.0	20.4	22.0	25.9	34.7	41.0	44.2	134.5	163.3
55°	848.5	891.7	923.9	938.9	923.9	891.7	848.5	774.0	670.0	628.8	641.4
52.5°	1178.1	1196.9	1207.7	1207.4	1207.7	1196.9	1178.1	1157.9	1134.9	1096.4	1060.2
50°	1313.2	1322.3	1325.6	1323.6	1325.6	1322.3	1313.2	1299.0	1290.7	1273.0	1208.6
47.5°	1939.7	1771.8	1648.4	1618.8	1648.4	1771.8	1939.7	2015.6	1932.5	1763.3	1571.5
45°	2762.6	2826.3	2889.7	2909.4	2889.7	2826.3	2762.6	2733.6	2673.2	2599.6	2523.5
42.5°	3047.5	3068.3	3080.0	3080.5	3080.0	3068.3	3047.5	3020.5	2956.4	2876.2	2777.3
40°	3183.6	3203.1	3214.5	3215.5	3214.5	3203.1	3183.6	3156.6	3108.6	3038.1	2947.6
37.5°	3307.1	3323.7	3334.7	3345.9	3334.7	3323.7	3307.1	3299.3	3292.9	3221.3	3167.3
35°	3865.3	3738.8	3557.0	3584.5	3557.0	3738.8	3865.3	3879.8	3771.8	3570.8	3667.3
32.5°	4824.9	4878.1	4911.2	4967.8	4911.2	4878.1	4824.9	4776.0	4807.3	4697.5	4460.8
30°	5267.7	5285.3	5311.9	5339.9	5311.9	5285.3	5267.7	5253.7	5244.9	5116.8	4973.9
27.5°	5378.2	5396.4	5412.6	5424.6	5412.6	5396.4	5378.2	5367.9	5348.3	5267.9	5146.4
25°	5436.1	5447.4	5464.5	5479.6	5464.5	5447.4	5436.1	5433.8	5418.0	5368.5	5270.9
22.5°	5464.8	5466.0	5479.4	5498.4	5479.4	5466.0	5464.8	5469.3	5461.4	5439.8	5333.7
20°	5484.5	5473.8	5487.7	5500.0	5487.7	5473.8	5484.5	5491.6	5489.5	5490.0	5401.6
17.5°	5735.5	5592.3	5533.4	5534.6	5533.4	5592.3	5735.5	5592.6	5693.9	5740.6	5717.1
15°	6545.2	6599.0	6804.9	6916.2	6804.9	6599.0	6545.2	6699.4	6562.1	6594.0	6472.0
12.5°	7067.8	7048.7	7024.2	7057.5	7024.2	7048.7	7067.8	7072.8	7099.8	7114.3	7077.5
10°	7092.0	7089.8	7046.2	7093.6	7046.2	7089.8	7092.0	7106.6	7141.0	7165.4	7123.2
7.5°	7077.2	7078.4	7059.9	7106.2	7059.9	7078.4	7077.2	7115.8	7139.5	7153.7	7110.8
5°	7087.0	7055.0	7067.2	7093.6	7067.2	7055.0	7087.0	7090.7	7113.7	7130.7	7105.5
2.5°	7059.5	7056.2	7032.7	7051.3	7032.7	7056.2	7059.5	7074.4	7087.9	7095.3	7095.5
0°	7038.7	7021.4	7021.4	7037.1	7021.4	7021.4	7038.7	7065.4	7088.9	7109.3	7117.2
-2.5°	7075.8	7072.2	7069.9	7059.1	7069.9	7072.2	7075.8	7087.8	7099.5	7109.5	7113.2
-5°	7106.3	7097.0	7071.3	7106.2	7071.3	7097.0	7106.3	7119.5	7139.1	7153.0	7149.1
-7.5°	7139.2	7115.3	7091.0	7145.5	7091.0	7115.3	7139.2	7149.6	7173.1	7191.7	7189.9
-10°	7169.2	7134.7	7110.9	7164.3	7110.9	7134.7	7169.2	7193.3	7213.3	7231.0	7234.2
-12.5°	7208.8	7168.5	7152.6	7181.6	7152.6	7168.5	7208.8	7236.7	7258.4	7271.6	7266.4
-15°	7251.1	7223.2	7219.5	7236.5	7219.5	7223.2	7251.1	7280.2	7297.4	7308.3	7288.9
-17.5°	7288.2	7268.6	7278.3	7297.8	7278.3	7268.6	7288.2	7312.0	7326.3	7330.6	7304.1
-20°	7306.0	7295.0	7305.9	7354.3	7305.9	7295.0	7306.0	7321.1	7330.8	7328.3	7289.9

Classified

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

Scaled Data Report



REPORT NUMBER: P645473 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-750-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°	7304.4	7305.1	7324.4	7340.2	7324.4	7305.1	7304.4	7312.6	7311.8	7299.8	7235.2
-25°	7276.6	7291.2	7313.3	7344.9	7313.3	7291.2	7276.6	7275.9	7266.1	7234.8	7169.3
-27.5°	7209.4	7233.7	7256.7	7289.9	7256.7	7233.7	7209.4	7199.9	7182.7	7139.6	7086.4
-30°	7112.2	7141.2	7161.8	7197.3	7161.8	7141.2	7112.2	7094.4	7067.5	7018.3	6937.9
-32.5°	6993.9	7026.7	7051.0	7076.4	7051.0	7026.7	6993.9	6966.8	6938.1	6881.3	6770.5
-35°	6846.0	6881.4	6907.2	6930.4	6907.2	6881.4	6846.0	6810.4	6774.4	6725.6	6599.4
-37.5°	6668.4	6706.5	6735.9	6762.4	6735.9	6706.5	6668.4	6625.7	6587.7	6540.4	6417.8
-40°	6461.4	6500.6	6532.0	6561.4	6532.0	6500.6	6461.4	6412.6	6369.6	6314.4	6208.1
-42.5°	6219.5	6259.0	6291.4	6321.2	6291.4	6259.0	6219.5	6167.5	6114.8	6048.3	5956.3
-45°	5940.0	5980.7	6015.0	6046.4	6015.0	5980.7	5940.0	5885.7	5818.4	5731.8	5622.3
-47.5°	5618.2	5661.7	5691.0	5705.7	5691.0	5661.7	5618.2	5560.5	5482.2	5380.9	5260.9
-50°	5249.3	5292.7	5328.0	5354.0	5328.0	5292.7	5249.3	5191.8	5112.6	5002.8	4875.7
-52.5°	4843.2	4884.6	4914.9	4933.2	4914.9	4884.6	4843.2	4787.3	4710.6	4593.2	4459.3
-55°	4398.7	4441.9	4470.7	4484.2	4470.7	4441.9	4398.7	4340.9	4267.4	4147.9	4016.0
-57.5°	3894.4	3935.5	3966.1	3983.3	3966.1	3935.5	3894.4	3838.2	3767.4	3654.9	3528.0
-60°	3336.5	3373.3	3396.5	3405.5	3396.5	3373.3	3336.5	3285.1	3219.1	3120.2	3003.6
-62.5°	2765.9	2800.7	2822.4	2830.9	2822.4	2800.7	2765.9	2719.2	2661.3	2580.3	2482.9
-65°	2201.8	2223.6	2235.7	2237.4	2235.7	2223.6	2201.8	2168.9	2124.8	2062.7	1987.0
-67.5°	1698.6	1715.2	1725.3	1728.7	1725.3	1715.2	1698.6	1675.7	1646.6	1609.8	1563.5
-70°	1332.8	1344.3	1350.7	1351.8	1350.7	1344.3	1332.8	1315.6	1292.5	1261.7	1223.9
-72.5°	993.7	1001.9	999.0	992.3	999.0	1001.9	993.7	982.1	966.9	949.6	931.8
-75°	775.2	784.2	780.5	774.1	780.5	784.2	775.2	764.4	751.8	737.6	721.5
-77.5°	619.3	627.5	623.4	617.0	623.4	627.5	619.3	609.6	598.4	585.8	571.1
-80°	442.2	447.1	450.5	452.2	450.5	447.1	442.2	436.2	429.2	421.6	415.8
-82.5°	226.4	219.7	215.5	210.4	215.5	219.7	226.4	231.8	236.0	238.7	240.0
-85°	64.0	62.5	63.5	64.4	63.5	62.5	64.0	65.3	66.3	67.2	72.7
-87.5°	18.3	18.7	18.8	18.8	18.8	18.7	18.3	17.8	17.3	16.7	16.9
-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: P645473 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-750-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	1.1	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1
85°	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.8
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.9
65°	2.0	1.9	1.9	2.2	2.3	2.2	2.2	2.3	2.2	2.2	2.0
62.5°	3.1	3.3	3.4	3.5	3.5	4.4	3.9	4.0	3.7	4.5	6.1
60°	7.5	5.9	8.9	9.9	8.5	14.5	24.6	22.2	6.6	35.6	41.0
57.5°	103.9	86.3	180.7	180.2	75.5	101.9	136.5	89.9	58.8	100.7	133.1
55°	724.5	663.5	576.9	567.7	597.6	454.1	379.7	365.4	286.0	185.9	220.8
52.5°	1021.4	960.6	901.5	846.5	801.3	753.0	682.1	605.4	580.9	467.7	360.6
50°	1155.8	1214.9	1156.7	1014.4	1039.7	971.0	871.0	789.5	806.2	737.0	594.2
47.5°	1567.3	1639.4	1641.2	1556.3	1461.9	1432.8	1286.1	1031.4	1048.5	1045.5	894.3
45°	2294.7	2194.0	2231.6	2112.4	1945.5	1853.3	1848.4	1575.9	1323.5	1282.5	1267.9
42.5°	2693.3	2618.8	2541.7	2452.8	2305.3	2158.1	2067.4	1914.1	1711.2	1531.6	1467.9
40°	2854.4	2767.7	2695.7	2622.1	2503.2	2352.5	2279.4	2078.2	1925.7	1770.2	1718.4
37.5°	3049.2	2884.5	2948.8	2809.5	2699.3	2662.6	2605.8	2396.4	2058.4	2030.0	2003.7
35°	3484.2	3330.1	3478.4	3452.1	3013.1	3062.0	3099.7	2842.3	2488.4	2296.5	2300.6
32.5°	4476.6	4121.4	4013.0	4145.7	3915.0	3531.9	3537.5	3459.1	2976.0	2696.8	2574.6
30°	4835.8	4678.1	4507.2	4484.1	4312.3	4090.7	3949.9	3761.6	3410.0	3091.3	2881.9
27.5°	4990.8	4847.6	4703.8	4592.9	4493.5	4343.0	4159.4	3938.1	3687.9	3402.3	3198.9
25°	5101.4	4941.1	4817.1	4694.6	4587.5	4473.7	4286.0	4070.5	3837.1	3606.9	3388.4
22.5°	5190.3	5040.9	4907.4	4775.6	4688.7	4566.3	4397.7	4175.1	4018.5	3872.1	3588.1
20°	5287.5	5143.5	4993.2	4999.5	4871.7	4667.2	4505.2	4394.4	4372.9	4208.2	3841.5
17.5°	5709.6	5313.7	5387.3	5526.8	5245.1	4874.0	4816.1	4822.3	4754.3	4601.2	4145.2
15°	6613.8	6041.9	6047.0	6143.2	5837.8	5381.8	5276.5	5263.7	5156.6	4987.2	4465.9
12.5°	6898.5	6707.5	6672.4	6529.5	6229.6	5888.9	5764.2	5696.6	5500.1	5172.5	4696.6
10°	6994.8	6884.1	6737.0	6592.9	6410.9	6274.0	6096.5	5850.8	5571.9	5255.9	4868.5
7.5°	7006.2	6891.4	6772.9	6635.6	6475.9	6315.2	6139.7	5895.6	5625.9	5315.9	4989.7
5°	6999.5	6885.1	6775.3	6644.0	6482.0	6326.2	6167.2	5925.8	5662.3	5355.2	5069.2
2.5°	6982.4	6866.6	6762.1	6642.8	6481.5	6331.4	6184.2	5958.2	5688.4	5387.5	5095.9
0°	7007.3	6892.7	6793.8	6660.3	6514.3	6340.0	6192.4	5991.4	5701.0	5408.9	5105.9
-2.5°	7018.0	6899.5	6808.9	6658.4	6537.4	6359.6	6210.1	6015.9	5724.7	5446.8	5130.2
-5°	7074.6	6956.9	6838.5	6687.6	6560.4	6394.0	6225.8	6025.9	5742.5	5467.4	5141.1
-7.5°	7111.9	6992.4	6854.7	6708.4	6580.6	6421.8	6235.4	6026.8	5758.8	5467.1	5146.4
-10°	7135.2	7010.4	6874.3	6724.5	6592.4	6429.0	6232.2	6021.6	5755.5	5454.3	5134.8
-12.5°	7168.0	7027.5	6887.4	6717.3	6584.8	6417.0	6220.4	6009.6	5730.9	5430.4	5105.4
-15°	7180.2	7035.9	6872.1	6705.4	6560.7	6397.5	6194.6	5974.0	5687.8	5393.5	5057.5
-17.5°	7185.2	7021.1	6846.6	6686.6	6530.7	6357.6	6143.4	5908.8	5632.7	5328.6	4994.1
-20°	7181.2	6990.2	6810.5	6636.3	6473.0	6297.2	6076.2	5843.9	5553.7	5244.5	4912.1



REPORT NUMBER: P645473 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-750-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°	7108.0	6935.0	6753.0	6564.2	6403.6	6217.2	6000.8	5760.4	5451.2	5152.1	4807.7
-25°	7027.3	6852.6	6664.6	6489.0	6317.9	6132.8	5910.4	5637.8	5344.1	5032.9	4681.0
-27.5°	6932.0	6748.3	6554.1	6375.5	6194.7	6012.5	5782.6	5508.0	5225.2	4885.0	4543.3
-30°	6803.3	6613.6	6415.7	6211.3	6046.1	5860.2	5633.0	5366.2	5062.6	4726.6	4401.5
-32.5°	6628.5	6450.1	6252.2	6057.9	5885.3	5690.3	5460.9	5196.1	4877.3	4559.6	4221.4
-35°	6450.8	6266.0	6077.3	5894.4	5712.7	5508.5	5274.3	4986.0	4681.4	4366.7	4015.7
-37.5°	6247.9	6055.5	5878.1	5704.4	5516.9	5307.6	5049.1	4770.6	4473.6	4127.6	3793.6
-40°	6030.0	5844.6	5651.0	5479.2	5279.2	5068.1	4818.3	4547.6	4221.0	3879.0	3565.0
-42.5°	5771.2	5586.0	5386.6	5195.3	5001.1	4800.2	4574.6	4281.8	3958.1	3635.5	3309.4
-45°	5458.8	5273.4	5077.4	4880.2	4698.4	4503.2	4293.3	3981.1	3661.5	3354.0	3041.0
-47.5°	5107.1	4927.5	4738.3	4542.8	4369.9	4174.0	3918.3	3627.8	3344.9	3052.4	2732.0
-50°	4725.3	4554.3	4379.5	4198.1	4003.8	3782.9	3537.4	3284.0	3003.8	2703.5	2410.8
-52.5°	4307.9	4151.5	3986.5	3812.1	3611.5	3392.3	3162.3	2893.2	2613.7	2358.8	2092.7
-55°	3872.4	3718.0	3554.8	3380.6	3193.6	2976.7	2738.5	2493.7	2265.5	2029.8	1826.7
-57.5°	3390.5	3244.1	3088.7	2924.2	2751.6	2549.8	2340.9	2133.2	1952.5	1769.3	1585.0
-60°	2875.5	2738.8	2606.6	2460.8	2301.4	2127.7	1975.4	1822.2	1668.9	1522.6	1374.2
-62.5°	2376.6	2262.2	2143.4	2025.2	1904.0	1778.6	1652.4	1534.1	1413.2	1289.2	1180.0
-65°	1905.2	1818.2	1724.5	1642.6	1556.7	1466.0	1364.5	1271.7	1183.8	1093.0	1000.2
-67.5°	1509.4	1447.3	1381.1	1316.5	1257.6	1194.9	1123.6	1048.6	978.9	911.7	843.3
-70°	1184.1	1143.0	1099.9	1052.8	1005.8	958.5	906.1	850.9	795.0	744.6	696.4
-72.5°	908.8	880.4	847.7	813.8	777.6	745.4	709.6	672.3	634.5	596.2	559.8
-75°	703.2	682.7	660.3	634.9	604.2	567.9	541.0	522.8	499.9	472.1	441.8
-77.5°	556.2	541.2	525.1	503.5	481.1	458.0	435.1	412.6	390.3	369.3	350.0
-80°	409.2	402.1	393.2	375.3	357.4	339.5	322.5	308.7	295.7	281.4	263.8
-82.5°	240.3	239.4	236.9	226.8	216.8	206.8	197.2	187.4	177.2	166.5	155.6
-85°	77.6	81.9	85.3	87.0	88.0	88.3	87.7	85.2	82.2	78.8	75.1
-87.5°	17.0	17.0	17.0	17.7	18.4	18.9	19.3	20.3	21.1	21.7	22.2
-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: P645473 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-750-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°	1.1	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.8	0.8	0.8
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.4	1.5	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.4	2.5
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	2.0	2.4	2.8
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	2.0	2.4	2.8
75°	1.6	1.6	1.6	1.7	1.7	1.6	1.6	1.7	2.1	2.4	2.8
72.5°	1.6	1.6	1.6	1.8	2.0	2.0	1.8	1.8	2.1	2.5	2.8
70°	1.8	1.7	1.6	1.8	2.2	2.5	2.5	2.5	2.2	2.5	2.9
67.5°	2.3	2.4	2.2	2.2	2.3	2.6	3.0	3.5	3.5	2.6	2.9
65°	2.4	2.8	3.2	4.4	3.9	2.7	3.1	6.1	4.9	4.1	3.0
62.5°	5.2	2.9	9.9	13.2	7.5	5.8	4.6	13.7	8.6	5.8	4.2
60°	12.3	10.1	27.6	44.3	30.9	10.4	15.3	23.7	21.8	7.5	5.9
57.5°	115.2	39.6	57.3	82.9	81.5	44.2	32.2	43.0	37.0	21.3	8.3
55°	245.8	206.9	136.6	125.0	135.1	109.0	71.0	69.6	57.2	39.6	13.5
52.5°	337.2	352.0	306.3	214.0	186.3	177.5	138.6	101.0	89.7	59.4	34.4
50°	488.1	454.6	450.1	377.8	261.3	236.5	204.7	157.8	125.9	85.0	58.1
47.5°	689.6	605.8	561.3	528.9	416.9	301.5	268.5	215.8	165.8	122.5	83.0
45°	985.5	783.0	697.0	644.4	571.4	424.0	336.0	272.2	216.0	164.4	109.0
42.5°	1282.7	1012.4	851.9	766.9	690.9	562.4	408.2	337.2	265.0	207.1	142.0
40°	1544.9	1248.9	1014.8	905.4	808.4	696.0	525.2	406.7	313.0	251.1	179.5
37.5°	1860.6	1518.2	1202.2	1050.6	933.5	807.7	643.8	479.3	370.8	297.2	217.1
35°	2166.1	1866.8	1411.9	1226.0	1072.8	922.1	758.1	565.2	441.7	344.0	254.7
32.5°	2494.0	2194.6	1728.6	1421.9	1216.9	1039.1	864.9	669.6	513.0	391.4	292.2
30°	2752.3	2410.4	2006.5	1618.0	1373.8	1169.7	971.6	769.7	584.5	439.3	330.0
27.5°	2889.2	2597.1	2225.9	1836.5	1550.4	1303.5	1081.5	865.5	655.8	491.8	369.4
25°	3030.7	2728.7	2382.6	2027.5	1724.7	1445.1	1190.9	956.7	733.8	551.2	408.3
22.5°	3200.1	2840.5	2514.8	2178.9	1904.5	1588.8	1305.7	1049.1	811.7	609.3	446.7
20°	3370.1	2944.4	2645.3	2384.9	2081.0	1744.2	1425.7	1139.2	885.2	665.9	484.2
17.5°	3548.6	3133.0	2866.8	2585.9	2256.8	1894.8	1543.9	1226.5	954.2	720.7	520.7
15°	3859.2	3415.4	3089.8	2781.5	2431.8	2039.6	1659.2	1310.4	1018.5	773.4	554.5
12.5°	4141.2	3678.2	3313.1	2970.7	2603.9	2177.8	1770.5	1390.2	1078.1	815.4	584.8
10°	4374.6	3922.0	3533.8	3152.2	2770.9	2308.2	1876.6	1455.2	1113.9	846.8	612.6
7.5°	4565.7	4147.3	3748.9	3325.0	2914.4	2393.4	1930.1	1493.2	1141.6	873.4	637.9
5°	4703.9	4297.7	3863.3	3385.2	2959.3	2428.4	1966.4	1524.0	1163.9	895.7	660.8
2.5°	4743.7	4343.9	3906.2	3418.2	2989.6	2451.1	1992.4	1547.6	1181.1	913.7	681.0
0°	4766.8	4374.3	3933.1	3438.5	3005.1	2461.9	2008.1	1563.8	1193.3	927.9	698.7
-2.5°	4799.1	4400.5	3959.0	3490.6	3015.4	2494.8	2017.0	1574.4	1208.7	933.0	709.0
-5°	4815.3	4410.7	3971.5	3525.6	3012.7	2514.5	2015.9	1577.7	1218.7	934.7	716.5
-7.5°	4808.2	4407.2	3972.0	3536.6	2999.1	2519.0	2004.9	1574.2	1222.7	933.5	721.2
-10°	4786.5	4389.4	3956.8	3508.2	2986.6	2501.2	1985.4	1564.2	1220.3	929.5	723.0
-12.5°	4753.6	4356.0	3925.8	3467.4	2960.4	2464.5	1962.4	1547.0	1210.5	923.0	721.8
-15°	4710.8	4307.4	3878.7	3415.5	2917.4	2415.7	1927.9	1522.1	1191.3	915.7	717.6
-17.5°	4655.9	4244.1	3815.2	3353.9	2856.9	2355.2	1881.4	1489.7	1167.3	906.8	708.9
-20°	4557.9	4158.9	3734.6	3283.9	2778.3	2283.5	1823.0	1449.7	1138.7	894.2	696.6



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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°	4447.8	4053.6	3634.0	3189.4	2683.6	2201.1	1752.3	1402.3	1105.8	877.7	681.7
-25°	4330.4	3935.0	3517.2	3058.7	2578.9	2113.9	1681.5	1347.3	1068.7	857.3	664.5
-27.5°	4192.4	3800.6	3384.8	2914.7	2457.5	2012.9	1613.6	1298.6	1032.7	832.9	645.0
-30°	4037.4	3642.7	3219.3	2761.1	2324.3	1896.0	1537.5	1246.6	1002.4	806.4	623.1
-32.5°	3859.7	3468.6	3036.0	2603.8	2183.6	1772.0	1453.5	1191.0	967.3	778.2	603.0
-35°	3657.5	3266.1	2841.6	2435.0	2034.6	1671.8	1371.4	1132.0	927.4	747.7	581.7
-37.5°	3446.9	3048.8	2647.3	2258.7	1876.2	1563.3	1297.5	1073.8	883.0	715.0	558.2
-40°	3206.3	2825.1	2443.3	2077.1	1739.0	1446.9	1217.5	1016.2	841.0	680.3	532.6
-42.5°	2958.5	2590.6	2230.6	1884.9	1603.7	1352.1	1133.8	954.3	796.6	646.7	504.7
-45°	2691.3	2342.9	2004.4	1722.9	1466.0	1251.7	1060.5	890.0	749.3	612.4	475.9
-47.5°	2409.4	2081.9	1798.8	1554.1	1349.0	1150.8	982.5	834.5	699.6	575.6	447.1
-50°	2111.0	1838.9	1609.4	1407.5	1222.8	1059.9	904.8	776.3	654.1	534.9	416.8
-52.5°	1846.4	1628.3	1438.5	1265.7	1111.5	964.4	837.9	716.7	607.2	496.0	385.2
-55°	1619.7	1441.0	1280.8	1137.0	1001.2	882.4	768.4	663.7	559.0	457.0	353.2
-57.5°	1423.9	1267.8	1139.6	1014.6	902.5	801.2	705.1	609.6	512.8	416.6	327.8
-60°	1235.9	1119.3	1005.2	904.8	809.9	723.9	645.4	555.5	466.1	376.1	299.8
-62.5°	1073.5	974.0	887.7	800.1	721.3	651.2	585.1	502.6	418.1	338.8	269.2
-65°	921.2	844.8	771.3	701.4	636.1	576.7	523.2	448.3	370.0	299.2	237.5
-67.5°	776.6	719.1	661.4	602.7	551.3	503.2	457.5	389.8	319.8	257.5	206.1
-70°	647.5	598.3	553.1	509.5	467.8	427.7	384.6	327.5	267.3	220.1	173.8
-72.5°	525.5	489.6	452.1	416.3	385.4	350.2	310.5	266.0	223.8	182.0	140.9
-75°	412.7	389.0	362.5	334.1	305.3	273.9	247.7	216.5	179.7	143.3	113.6
-77.5°	330.2	307.0	280.6	257.9	238.6	217.1	193.3	166.2	137.0	111.5	87.8
-80°	243.6	225.9	210.9	197.8	180.0	160.4	140.6	120.9	99.6	79.8	61.5
-82.5°	148.6	144.7	140.5	134.5	119.6	105.1	90.8	76.7	61.7	47.7	39.5
-85°	74.3	72.8	70.6	67.4	58.3	49.4	45.3	41.1	36.0	31.1	26.4
-87.5°	24.4	26.3	27.7	28.8	26.8	24.7	22.7	20.6	18.0	15.6	13.2
-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°	0.8	0.7	0.5	0.4	0.3	0.2	0.0
85°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
82.5°	2.4	2.0	1.6	1.2	0.8	0.5	0.0
80°	3.1	2.7	2.1	1.6	1.1	0.7	0.0
77.5°	3.1	3.1	2.7	2.0	1.4	0.8	0.0
75°	3.1	3.2	3.1	2.4	1.6	1.0	0.0
72.5°	3.2	3.3	3.3	2.8	1.9	1.2	0.0
70°	3.3	3.5	3.4	3.1	2.2	1.3	0.0
67.5°	3.7	3.6	3.6	3.3	2.5	1.5	0.0
65°	4.2	4.1	3.7	3.4	2.7	1.7	0.0
62.5°	4.9	5.2	3.9	3.6	3.0	1.8	0.0
60°	5.8	6.3	4.1	3.8	3.3	2.0	0.0
57.5°	10.7	7.5	5.3	3.9	3.5	2.2	0.0
55°	17.1	8.9	6.6	4.1	3.7	2.3	0.0
52.5°	24.6	11.4	8.0	4.3	3.8	2.5	0.0
50°	33.1	19.5	9.5	4.5	4.0	2.6	0.0
47.5°	44.5	28.2	11.0	4.9	4.2	2.8	0.0
45°	67.2	37.5	12.5	6.1	4.4	2.9	0.0
42.5°	90.4	47.3	14.2	7.3	4.6	3.1	0.0
40°	114.1	57.8	19.1	8.8	4.8	3.2	0.0
37.5°	138.3	68.8	27.2	10.7	5.0	3.3	0.0
35°	162.8	85.5	35.6	12.8	5.2	3.5	0.0
32.5°	189.5	104.8	44.0	15.1	5.4	3.6	0.0
30°	219.9	124.1	52.5	17.6	5.7	3.7	0.0
27.5°	249.7	143.0	62.9	20.3	5.9	3.8	0.0
25°	278.8	161.7	73.7	23.1	6.1	4.0	0.0
22.5°	307.1	180.8	84.4	26.0	6.3	4.1	0.0
20°	334.4	201.2	95.0	29.0	6.5	4.2	0.0
17.5°	361.4	221.0	105.4	32.0	6.7	4.3	0.0
15°	387.4	240.0	115.6	35.1	6.9	4.3	0.0
12.5°	411.7	258.1	125.4	38.1	7.1	4.4	0.0
10°	434.3	275.2	134.9	41.1	7.3	4.5	0.0
7.5°	455.0	291.2	143.7	44.0	7.4	4.6	0.0
5°	473.8	306.0	152.0	46.8	7.6	4.6	0.0
2.5°	490.7	319.4	159.6	49.4	7.8	4.7	0.0
0°	505.6	331.3	166.4	51.8	7.9	4.7	0.0
-2.5°	513.0	338.9	172.7	55.2	9.1	5.0	0.0
-5°	518.4	344.8	178.1	58.3	10.3	5.2	0.0
-7.5°	521.9	349.2	182.5	61.1	11.5	5.5	0.0
-10°	523.4	351.9	185.9	63.5	12.6	5.7	0.0
-12.5°	523.2	353.0	188.1	65.5	13.7	5.9	0.0
-15°	521.1	352.5	189.2	67.1	14.7	6.1	0.0
-17.5°	517.3	350.4	189.0	68.3	15.7	6.3	0.0
-20°	511.4	346.7	187.7	69.0	16.5	6.4	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	502.8	341.4	185.0	69.2	17.3	6.6	0.0
-25°	492.3	333.2	181.1	68.9	18.0	6.7	0.0
-27.5°	479.8	322.9	175.8	68.0	18.6	6.8	0.0
-30°	465.3	311.3	169.2	66.6	19.1	6.8	0.0
-32.5°	448.9	298.3	161.5	64.7	19.4	6.8	0.0
-35°	431.2	283.9	153.0	62.1	19.7	6.8	0.0
-37.5°	412.1	269.5	143.5	59.0	19.8	6.8	0.0
-40°	391.5	256.4	133.3	55.4	19.8	6.7	0.0
-42.5°	369.5	242.3	125.5	51.4	19.7	6.6	0.0
-45°	346.2	227.4	120.2	47.4	19.5	6.5	0.0
-47.5°	321.5	211.7	113.9	42.7	19.2	6.3	0.0
-50°	300.8	195.0	106.7	41.2	18.7	6.1	0.0
-52.5°	280.2	177.6	98.6	40.4	18.1	5.9	0.0
-55°	258.7	164.5	89.6	39.2	17.4	5.7	0.0
-57.5°	236.5	151.1	79.7	37.5	16.5	5.4	0.0
-60°	213.9	136.5	69.3	35.3	15.6	5.1	0.0
-62.5°	193.3	120.7	64.4	32.8	14.7	4.7	0.0
-65°	171.1	103.9	58.8	30.0	13.6	4.4	0.0
-67.5°	147.6	89.8	52.5	26.7	12.5	4.0	0.0
-70°	122.8	78.6	45.7	23.2	11.3	3.6	0.0
-72.5°	103.9	66.5	38.3	20.4	10.0	3.2	0.0
-75°	84.9	53.7	30.5	17.8	8.7	2.8	0.0
-77.5°	65.0	40.3	25.2	15.0	7.4	2.3	0.0
-80°	44.4	30.7	20.4	12.1	5.9	1.9	0.0
-82.5°	32.6	23.2	15.4	9.1	4.5	1.4	0.0
-85°	21.9	15.6	10.3	6.1	3.0	1.0	0.0
-87.5°	11.0	7.8	5.2	3.1	1.5	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)