

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: P645511 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-722-U-LAM-VSR-XX**

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P645511 (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: 2/28/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA5C-722-U-LAM-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

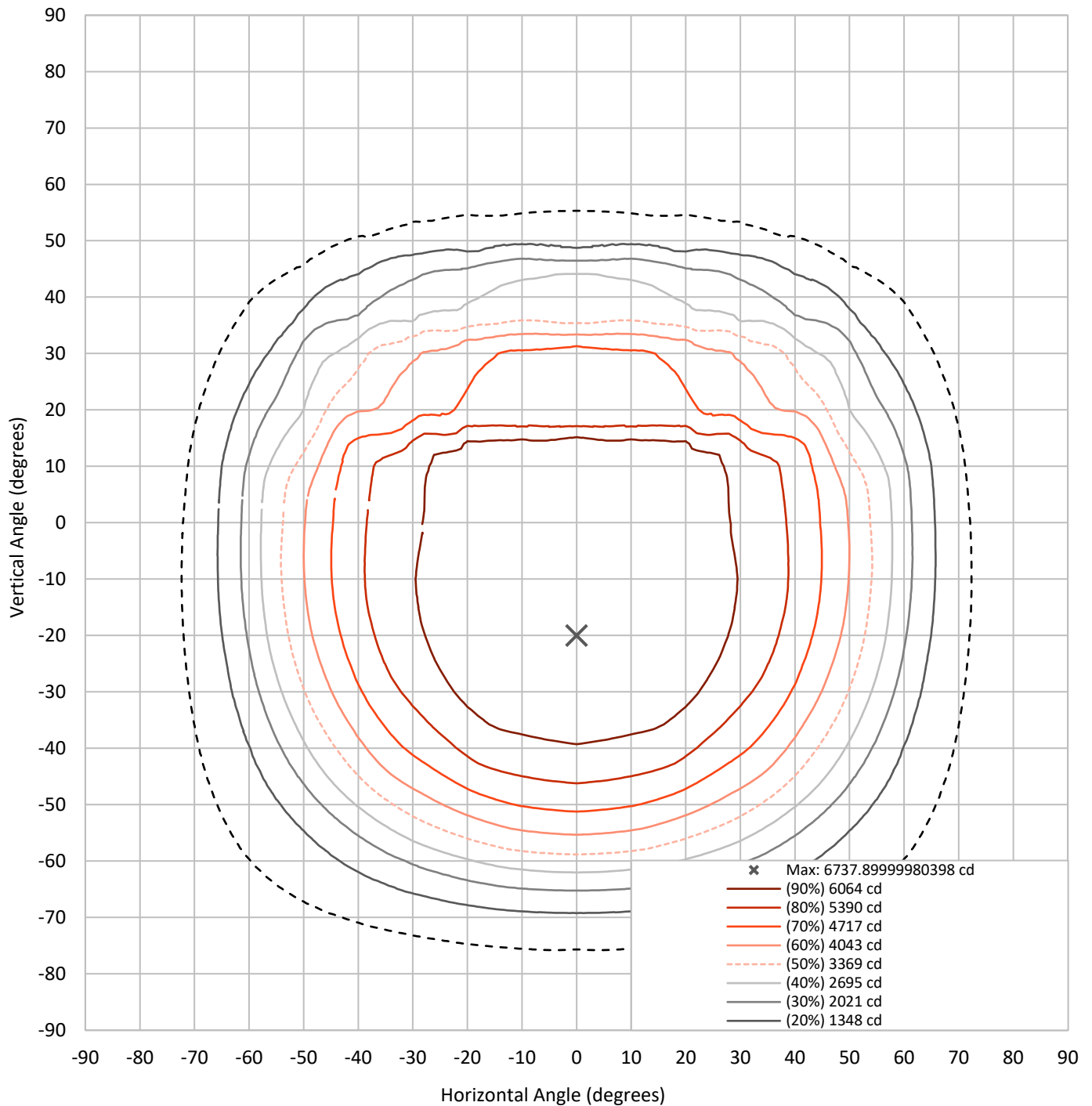
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	15799.1 lumens	Max Intensity:	6737.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	76.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	12350.8 lumens	Field Lumens:	15485.4 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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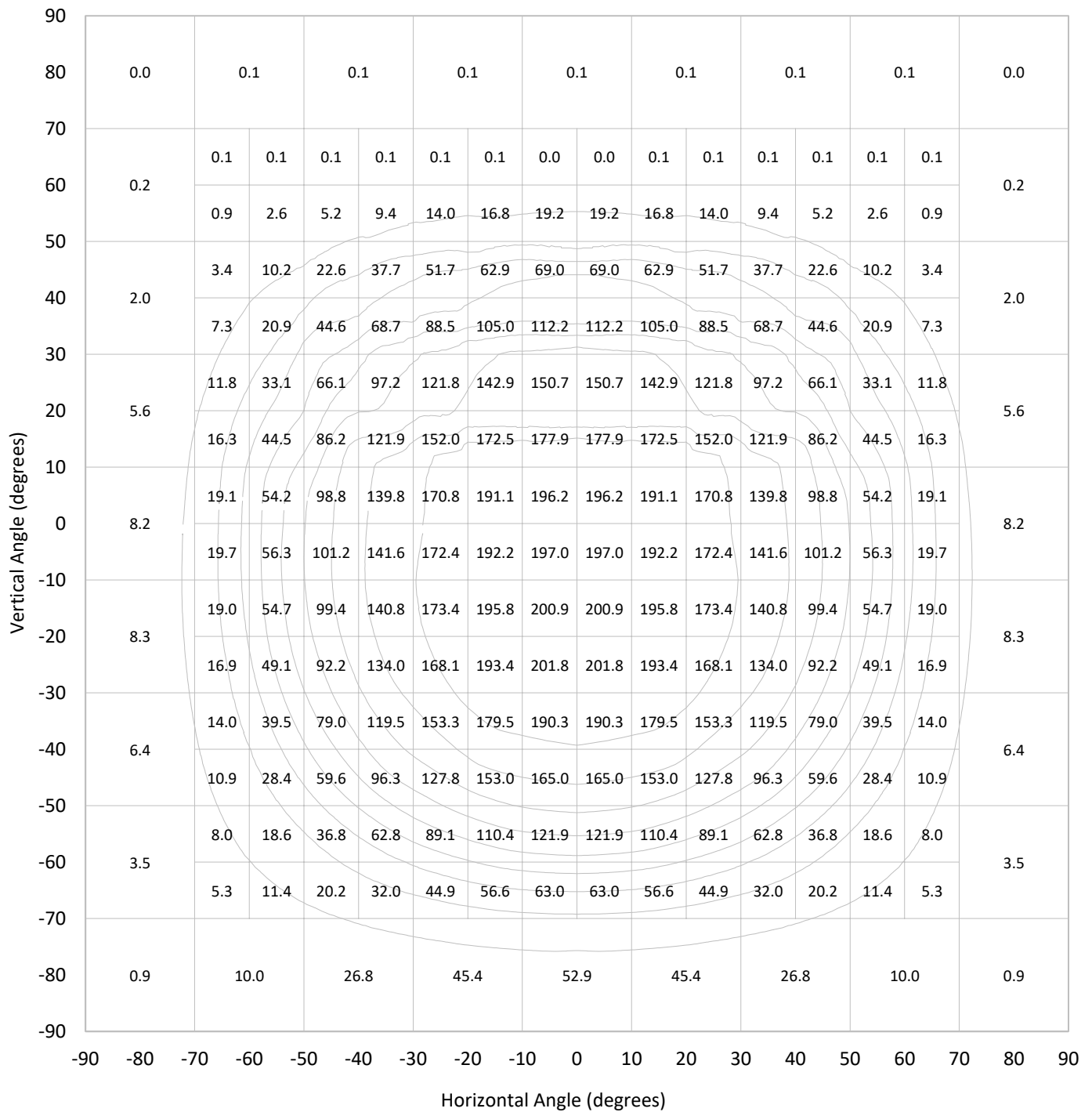
### Iso-Candela Plot





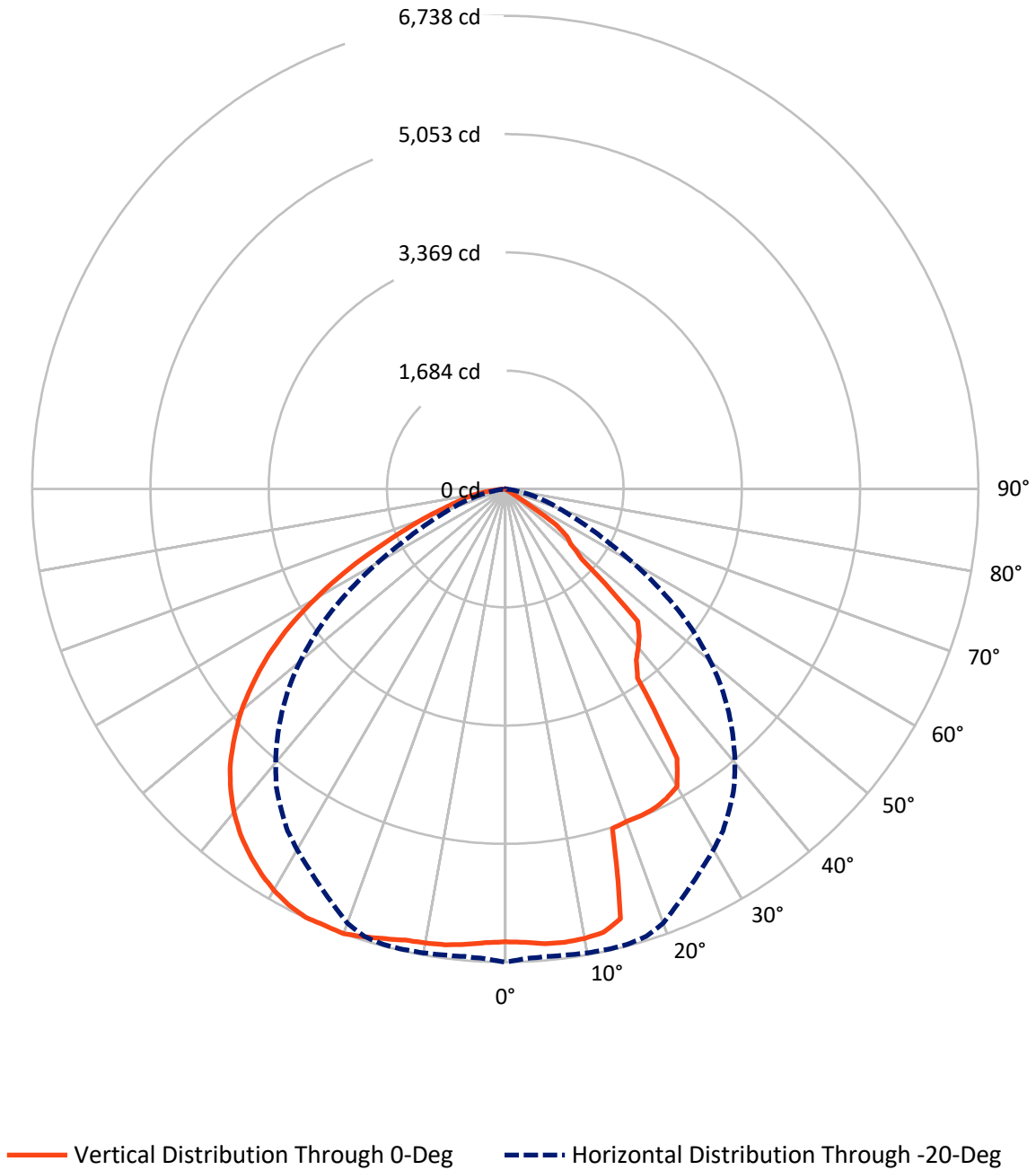
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### Lumen Table



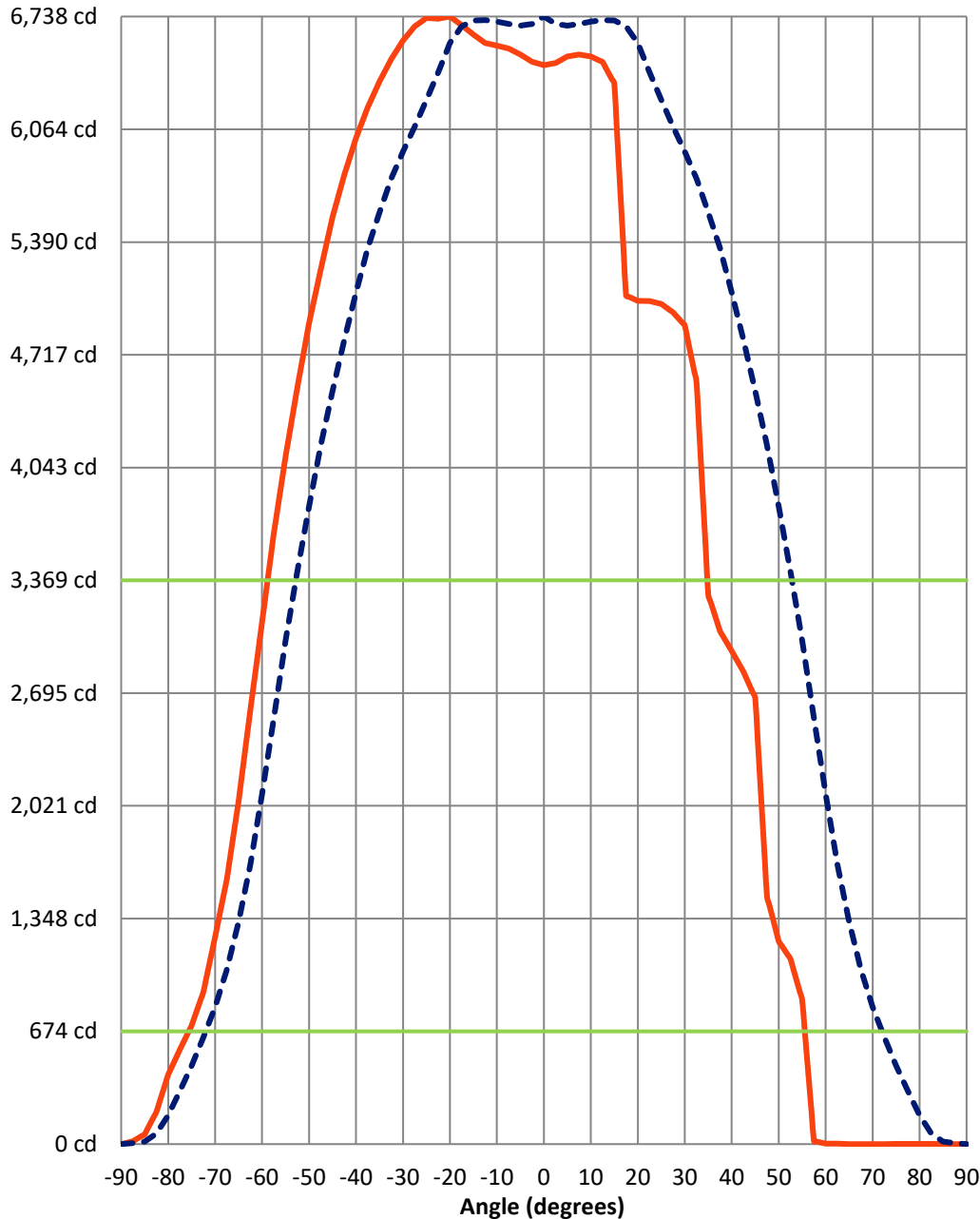
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 12350.8  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 15485.4  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 313.7  
 Efficiency: 2.0%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through -20-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	0.2	0.3	0.4	0.5	0.6	0.8	0.8	0.7	0.7	0.6
85°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.5	1.5	1.4	1.2
82.5°	0.0	0.5	0.8	1.1	1.5	1.9	2.2	2.3	2.2	1.8	1.4
80°	0.0	0.6	1.0	1.5	2.0	2.5	2.9	2.6	2.2	1.8	1.5
77.5°	0.0	0.8	1.3	1.9	2.5	2.9	2.9	2.6	2.2	1.8	1.5
75°	0.0	0.9	1.5	2.2	2.9	3.0	2.9	2.6	2.2	1.9	1.5
72.5°	0.0	1.1	1.8	2.6	3.1	3.1	3.0	2.6	2.3	1.9	1.6
70°	0.0	1.2	2.0	2.9	3.2	3.2	3.1	2.7	2.3	2.0	2.3
67.5°	0.0	1.4	2.3	3.1	3.3	3.3	3.4	2.7	2.4	3.2	3.3
65°	0.0	1.5	2.6	3.2	3.5	3.8	3.9	2.8	3.8	4.5	5.7
62.5°	0.0	1.7	2.8	3.3	3.6	4.8	4.5	3.9	5.3	7.9	12.6
60°	0.0	1.8	3.1	3.5	3.8	5.8	5.3	5.4	6.9	20.0	21.8
57.5°	0.0	2.0	3.2	3.6	4.9	6.9	9.8	7.6	19.5	33.9	39.4
55°	0.0	2.1	3.4	3.8	6.1	8.2	15.7	12.4	36.3	52.4	63.8
52.5°	0.0	2.3	3.6	3.9	7.3	10.5	22.5	31.5	54.5	82.2	92.5
50°	0.0	2.4	3.7	4.1	8.7	17.9	30.3	53.2	77.9	115.3	144.6
47.5°	0.0	2.6	3.9	4.5	10.0	25.8	40.8	76.0	112.2	151.9	197.8
45°	0.0	2.7	4.1	5.6	11.5	34.3	61.6	99.9	150.7	197.9	249.4
42.5°	0.0	2.8	4.2	6.7	12.9	43.4	82.8	130.1	189.8	242.8	308.9
40°	0.0	2.9	4.4	8.1	17.4	52.9	104.6	164.5	230.0	286.8	372.7
37.5°	0.0	3.1	4.6	9.8	24.9	63.0	126.7	199.0	272.3	339.7	439.2
35°	0.0	3.2	4.8	11.7	32.6	78.3	149.2	233.4	315.2	404.7	517.8
32.5°	0.0	3.3	5.0	13.8	40.3	96.1	173.6	267.7	358.6	470.0	613.5
30°	0.0	3.4	5.2	16.1	48.0	113.7	201.5	302.4	402.5	535.5	705.2
27.5°	0.0	3.5	5.4	18.5	57.6	131.1	228.8	338.5	450.6	600.9	792.9
25°	0.0	3.6	5.5	21.1	67.5	148.2	255.5	374.2	505.0	672.3	876.5
22.5°	0.0	3.7	5.7	23.8	77.3	165.6	281.4	409.3	558.2	743.7	961.2
20°	0.0	3.8	5.9	26.5	87.0	184.4	306.4	443.6	610.1	811.0	1043.7
17.5°	0.0	3.9	6.1	29.3	96.6	202.5	331.2	477.0	660.3	874.2	1123.7
15°	0.0	4.0	6.3	32.1	105.9	219.9	355.0	508.1	708.6	933.2	1200.6
12.5°	0.0	4.1	6.4	34.9	115.0	236.5	377.3	535.7	747.1	987.8	1273.7
10°	0.0	4.1	6.6	37.7	123.6	252.2	397.9	561.2	775.8	1020.5	1333.3
7.5°	0.0	4.2	6.8	40.4	131.7	266.8	416.9	584.4	800.3	1045.9	1368.0
5°	0.0	4.2	6.9	42.9	139.3	280.3	434.1	605.4	820.7	1066.4	1396.3
2.5°	0.0	4.3	7.1	45.3	146.3	292.6	449.6	623.9	837.2	1082.1	1417.9
0°	0.0	4.3	7.2	47.5	152.5	303.5	463.2	640.1	850.2	1093.3	1432.7
-2.5°	0.0	4.5	8.3	50.6	158.3	310.4	470.0	649.5	854.9	1107.4	1442.4
-5°	0.0	4.8	9.4	53.4	163.2	315.9	474.9	656.4	856.5	1116.6	1445.5
-7.5°	0.0	5.0	10.5	56.0	167.3	319.9	478.1	660.7	855.3	1120.3	1442.2
-10°	0.0	5.2	11.5	58.2	170.3	322.4	479.5	662.4	851.6	1118.1	1433.1
-12.5°	0.0	5.4	12.5	60.0	172.4	323.4	479.3	661.3	845.7	1109.1	1417.4
-15°	0.0	5.6	13.5	61.5	173.3	322.9	477.4	657.4	839.0	1091.5	1394.6
-17.5°	0.0	5.8	14.3	62.6	173.2	321.0	473.9	649.5	830.8	1069.5	1364.9
-20°	0.0	5.9	15.1	63.2	172.0	317.6	468.5	638.1	819.2	1043.3	1328.3



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 CATALOG NUMBER: GFLD-SA5C-722-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.0	15.8	63.4	169.5	312.7	460.7	624.6	804.1	1013.1	1284.8
-25°	0.0	6.1	16.5	63.1	165.9	305.2	451.0	608.8	785.4	979.1	1234.4
-27.5°	0.0	6.2	17.0	62.3	161.1	295.9	439.6	590.9	763.1	946.2	1189.8
-30°	0.0	6.2	17.5	61.1	155.0	285.2	426.3	570.9	738.8	918.4	1142.2
-32.5°	0.0	6.2	17.8	59.3	148.0	273.3	411.3	552.4	713.0	886.2	1091.2
-35°	0.0	6.2	18.0	57.0	140.2	260.1	395.0	533.0	685.0	849.7	1037.2
-37.5°	0.0	6.2	18.2	54.1	131.5	246.9	377.5	511.4	655.1	809.0	983.8
-40°	0.0	6.1	18.2	50.7	122.1	234.9	358.7	487.9	623.3	770.5	931.1
-42.5°	0.0	6.0	18.1	47.1	115.0	222.0	338.6	462.4	592.6	729.9	874.3
-45°	0.0	5.9	17.9	43.4	110.1	208.4	317.2	436.0	561.1	686.5	815.5
-47.5°	0.0	5.8	17.5	39.2	104.4	193.9	294.5	409.6	527.4	641.0	764.6
-50°	0.0	5.6	17.1	37.8	97.8	178.7	275.6	381.9	490.1	599.3	711.3
-52.5°	0.0	5.4	16.5	37.0	90.3	162.8	256.7	352.9	454.4	556.3	656.7
-55°	0.0	5.2	15.9	35.9	82.1	150.7	237.1	323.6	418.7	512.2	608.1
-57.5°	0.0	4.9	15.1	34.3	73.0	138.4	216.7	300.4	381.7	469.8	558.5
-60°	0.0	4.6	14.3	32.4	63.5	125.0	196.0	274.6	344.6	427.1	509.0
-62.5°	0.0	4.3	13.4	30.1	59.0	110.6	177.0	246.7	310.4	383.1	460.5
-65°	0.0	4.0	12.4	27.4	53.8	95.2	156.8	217.6	274.1	339.0	410.8
-67.5°	0.0	3.7	11.4	24.5	48.1	82.3	135.2	188.8	235.9	293.0	357.1
-70°	0.0	3.3	10.3	21.2	41.8	72.0	112.5	159.3	201.6	244.9	300.0
-72.5°	0.0	2.9	9.2	18.7	35.1	60.9	95.1	129.1	166.8	205.0	243.7
-75°	0.0	2.5	8.0	16.2	27.9	49.2	77.8	104.0	131.3	164.6	198.4
-77.5°	0.0	2.1	6.7	13.7	23.1	36.9	59.5	80.4	102.1	125.5	152.3
-80°	0.0	1.7	5.4	11.1	18.6	28.1	40.6	56.3	73.1	91.3	110.8
-82.5°	0.0	1.3	4.1	8.4	14.1	21.2	29.8	36.1	43.7	56.5	70.3
-85°	0.0	0.9	2.7	5.6	9.4	14.2	20.0	24.2	28.5	33.0	37.6
-87.5°	0.0	0.4	1.4	2.8	4.7	7.1	10.0	12.1	14.3	16.5	18.8
-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: P645511 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-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°	0.6	0.7	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.1	1.1
85°	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.6	1.8	1.8	1.6	1.4	1.4	1.4	1.4	1.4	1.4	1.4
70°	2.3	2.3	2.0	1.6	1.4	1.5	1.6	1.6	1.4	1.4	1.4
67.5°	2.8	2.4	2.1	2.0	2.0	2.2	2.1	1.7	1.4	1.4	1.4
65°	2.9	2.5	3.6	4.1	3.0	2.6	2.2	1.8	1.9	2.0	2.1
62.5°	4.3	5.4	6.9	12.2	9.1	2.7	4.8	5.6	4.1	3.4	3.7
60°	14.0	9.5	28.3	40.6	25.4	9.3	11.3	37.6	32.6	6.1	20.4
57.5°	29.5	40.5	74.7	76.0	52.6	36.3	105.5	121.9	92.3	53.9	82.4
55°	65.0	99.9	123.8	114.6	125.2	189.5	225.2	202.3	170.4	262.0	334.7
52.5°	127.0	162.7	170.8	196.1	280.7	322.4	309.0	330.5	428.5	532.2	554.6
50°	187.6	216.7	239.4	346.2	412.3	416.5	447.3	544.4	675.2	738.6	723.3
47.5°	246.0	276.2	382.0	484.6	514.3	555.0	631.8	819.4	957.9	960.6	945.0
45°	307.9	388.5	523.5	590.4	638.6	717.4	902.9	1161.6	1175.1	1212.6	1443.8
42.5°	374.1	515.3	633.1	702.7	780.5	927.5	1175.2	1344.9	1403.2	1567.7	1753.7
40°	481.2	637.7	740.6	829.5	929.7	1144.2	1415.4	1574.4	1621.9	1764.3	1904.0
37.5°	589.9	740.0	855.3	962.6	1101.4	1390.9	1704.7	1835.8	1859.8	1885.8	2195.5
35°	694.6	844.8	982.9	1123.3	1293.6	1710.3	1984.5	2107.8	2104.0	2279.8	2604.1
32.5°	792.4	952.0	1114.9	1302.8	1583.7	2010.6	2285.0	2358.8	2470.8	2726.6	3169.3
30°	890.2	1071.6	1258.7	1482.4	1838.4	2208.4	2521.6	2640.3	2832.2	3124.2	3446.4
27.5°	990.9	1194.2	1420.4	1682.6	2039.3	2379.4	2647.0	2930.8	3117.2	3378.9	3608.0
25°	1091.1	1324.0	1580.2	1857.6	2183.0	2500.0	2776.7	3104.4	3304.6	3515.6	3729.4
22.5°	1196.3	1455.6	1744.9	1996.3	2304.1	2602.4	2931.8	3287.4	3547.6	3681.7	3825.2
20°	1306.2	1598.0	1906.6	2185.0	2423.6	2697.6	3087.6	3519.6	3855.6	4006.4	4026.1
17.5°	1414.5	1736.0	2067.7	2369.2	2626.5	2870.4	3251.2	3797.8	4215.6	4355.8	4418.2
15°	1520.2	1868.7	2228.0	2548.4	2830.9	3129.1	3535.8	4091.6	4569.2	4724.4	4822.6
12.5°	1622.1	1995.2	2385.7	2721.7	3035.4	3370.0	3794.2	4303.0	4738.9	5039.1	5219.2
10°	1719.3	2114.7	2538.7	2888.1	3237.7	3593.3	4008.0	4460.5	4815.4	5104.9	5360.5
7.5°	1768.3	2192.8	2670.2	3046.4	3434.8	3799.8	4183.1	4571.5	4870.4	5154.4	5401.5
5°	1801.6	2224.9	2711.3	3101.6	3539.5	3937.5	4309.7	4644.4	4906.3	5187.8	5429.2
2.5°	1825.4	2245.7	2739.1	3131.7	3578.8	3979.8	4346.1	4668.8	4936.0	5211.7	5458.9
0°	1839.8	2255.6	2753.3	3150.3	3603.4	4007.7	4367.3	4678.0	4955.6	5223.2	5489.3
-2.5°	1847.9	2285.8	2762.7	3198.0	3627.2	4031.7	4396.9	4700.2	4990.3	5245.0	5511.8
-5°	1847.0	2303.8	2760.2	3230.1	3638.6	4041.1	4411.7	4710.2	5009.2	5261.3	5520.9
-7.5°	1837.0	2307.9	2747.8	3240.2	3639.1	4037.9	4405.2	4715.1	5008.9	5276.2	5521.7
-10°	1819.1	2291.6	2736.3	3214.2	3625.1	4021.5	4385.4	4704.5	4997.2	5273.2	5516.9
-12.5°	1798.0	2258.0	2712.3	3176.8	3596.8	3990.9	4355.2	4677.6	4975.3	5250.6	5505.9
-15°	1766.3	2213.3	2672.9	3129.2	3553.6	3946.4	4316.0	4633.6	4941.6	5211.2	5473.3
-17.5°	1723.8	2157.8	2617.4	3072.8	3495.5	3888.3	4265.7	4575.6	4882.0	5160.6	5413.6
-20°	1670.2	2092.2	2545.4	3008.7	3421.6	3810.3	4175.9	4500.5	4804.9	5088.3	5354.1



REPORT NUMBER: P645511 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-722-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°	1605.5	2016.7	2458.7	2922.1	3329.5	3713.8	4075.0	4404.8	4720.3	4994.3	5277.6
-25°	1540.6	1936.8	2362.8	2802.4	3222.5	3605.2	3967.5	4288.7	4611.1	4896.2	5165.3
-27.5°	1478.4	1844.3	2251.5	2670.4	3101.2	3482.1	3841.1	4162.6	4475.6	4787.3	5046.4
-30°	1408.7	1737.1	2129.5	2529.7	2949.5	3337.4	3699.0	4032.7	4330.5	4638.3	4916.5
-32.5°	1331.7	1623.5	2000.7	2385.6	2781.5	3177.9	3536.2	3867.6	4177.5	4468.6	4760.6
-35°	1256.5	1531.7	1864.1	2230.9	2603.5	2992.4	3351.0	3679.1	4000.7	4289.1	4568.2
-37.5°	1188.8	1432.4	1719.0	2069.4	2425.4	2793.3	3158.0	3475.6	3781.7	4098.7	4370.8
-40°	1115.5	1325.7	1593.3	1903.0	2238.6	2588.4	2937.6	3266.2	3553.9	3867.2	4166.5
-42.5°	1038.8	1238.8	1469.3	1726.9	2043.7	2373.5	2710.6	3032.0	3330.8	3626.4	3922.9
-45°	971.6	1146.8	1343.2	1578.5	1836.4	2146.6	2465.8	2786.2	3072.9	3354.6	3647.5
-47.5°	900.2	1054.3	1235.9	1423.9	1648.1	1907.4	2207.5	2503.1	2796.6	3064.6	3323.7
-50°	829.0	971.1	1120.3	1289.5	1474.5	1684.8	1934.0	2208.8	2476.9	2752.0	3008.7
-52.5°	767.7	883.6	1018.4	1159.6	1318.0	1491.9	1691.6	1917.3	2161.1	2394.6	2650.7
-55°	704.0	808.5	917.3	1041.7	1173.4	1320.2	1483.9	1673.6	1859.7	2075.7	2284.7
-57.5°	646.0	734.1	826.9	929.6	1044.0	1161.5	1304.6	1452.1	1621.0	1788.8	1954.4
-60°	591.3	663.3	742.0	829.0	921.0	1025.5	1132.3	1259.0	1395.0	1528.9	1669.4
-62.5°	536.1	596.7	660.9	733.1	813.3	892.3	983.5	1081.1	1181.1	1294.7	1405.5
-65°	479.4	528.4	582.8	642.7	706.7	774.0	844.0	916.3	1001.4	1084.6	1165.1
-67.5°	419.2	461.0	505.1	552.2	605.9	658.8	711.6	772.6	835.3	896.9	960.7
-70°	352.4	391.9	428.6	466.8	506.7	548.1	593.2	638.0	682.2	728.4	779.6
-72.5°	284.5	320.9	353.1	381.4	414.2	448.6	481.5	512.9	546.3	581.3	616.0
-75°	226.9	250.9	279.8	306.1	332.1	356.4	378.1	404.8	432.6	458.1	479.0
-77.5°	177.1	198.9	218.6	236.3	257.1	281.3	302.5	320.7	338.3	357.6	378.0
-80°	128.8	146.9	164.9	181.2	193.2	206.9	223.2	241.7	257.8	270.9	282.8
-82.5°	83.2	96.3	109.6	123.2	128.7	132.5	136.1	142.5	152.5	162.3	171.7
-85°	41.5	45.2	53.4	61.7	64.6	66.7	68.1	68.8	72.2	75.3	78.0
-87.5°	20.7	22.6	24.5	26.4	25.4	24.1	22.4	20.4	19.9	19.3	18.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645511 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-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°	1.1	1.2	1.2	1.2	1.3	1.0	0.7	0.3	0.0	0.0	0.0
85°	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.0	0.7
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
67.5°	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.2	0.9
65°	2.0	1.9	2.1	2.0	1.7	1.7	1.8	1.7	1.5	1.2	0.8
62.5°	3.6	4.1	3.2	3.2	3.1	3.1	2.9	2.7	2.6	2.4	2.5
60°	22.6	13.3	7.8	9.1	8.2	5.4	6.9	8.1	8.2	7.5	6.6
57.5°	125.0	93.4	69.1	165.0	165.5	79.0	95.2	149.7	123.3	40.5	37.6
55°	347.8	416.0	547.5	520.1	528.5	607.9	663.8	587.7	576.1	613.9	709.1
52.5°	624.9	689.9	734.1	775.5	825.9	880.1	935.8	971.3	1004.5	1039.8	1060.9
50°	798.0	889.6	952.5	929.4	1059.7	1113.0	1058.9	1107.3	1166.4	1182.5	1190.2
47.5°	1178.3	1312.7	1339.3	1425.9	1503.6	1502.0	1435.9	1439.8	1615.5	1770.6	1846.7
45°	1693.4	1698.0	1782.5	1935.3	2044.6	2010.2	2102.4	2311.9	2381.7	2449.2	2504.5
42.5°	1894.1	1977.3	2112.1	2247.2	2328.7	2399.3	2467.5	2544.5	2635.2	2708.6	2767.4
40°	2088.4	2155.4	2293.4	2402.3	2469.7	2535.7	2615.2	2700.6	2783.5	2848.0	2892.1
37.5°	2387.5	2439.4	2473.0	2574.1	2701.7	2642.8	2793.7	2901.9	2951.3	3016.9	3022.8
35°	2839.9	2805.4	2760.6	3162.8	3186.9	3051.0	3192.2	3359.9	3271.5	3455.7	3554.7
32.5°	3241.1	3235.9	3586.9	3798.3	3676.7	3776.0	4101.3	4086.9	4303.7	4404.4	4375.7
30°	3618.9	3747.9	3950.9	4108.4	4129.4	4286.0	4430.5	4557.1	4688.0	4805.4	4813.4
27.5°	3810.8	3979.1	4116.9	4208.0	4309.6	4441.4	4572.5	4715.1	4826.4	4900.0	4918.0
25°	3926.8	4098.8	4203.1	4301.2	4413.4	4527.1	4673.9	4829.1	4918.5	4964.0	4978.4
22.5°	4029.2	4183.6	4295.8	4375.4	4496.2	4618.5	4755.4	4886.8	4983.9	5003.7	5011.0
20°	4127.6	4276.0	4463.4	4580.6	4574.8	4712.5	4844.4	4948.9	5029.9	5029.4	5031.4
17.5°	4412.5	4465.5	4805.5	5063.7	4935.9	4868.4	5231.1	5238.0	5259.5	5216.7	5124.0
15°	4834.3	4930.8	5348.5	5628.3	5540.2	5535.6	6059.5	5929.6	6041.4	6012.1	6138.0
12.5°	5281.2	5395.3	5707.5	5982.3	6113.3	6145.4	6320.4	6484.4	6518.0	6504.8	6480.0
10°	5585.5	5748.2	5873.6	6040.4	6172.5	6307.2	6408.5	6526.2	6564.8	6542.6	6511.0
7.5°	5625.2	5786.0	5933.2	6079.5	6205.3	6313.8	6419.0	6514.9	6554.1	6541.2	6519.5
5°	5650.4	5796.0	5938.7	6087.2	6207.4	6308.0	6412.9	6510.0	6533.1	6517.5	6496.4
2.5°	5665.9	5800.8	5938.3	6086.2	6195.3	6291.1	6397.2	6500.8	6500.6	6493.8	6481.5
0°	5673.5	5808.7	5968.3	6102.1	6224.4	6315.0	6420.0	6520.7	6513.5	6494.8	6473.3
-2.5°	5689.7	5826.6	5989.6	6100.4	6238.3	6321.3	6429.9	6517.1	6513.7	6504.5	6493.8
-5°	5704.1	5858.1	6010.6	6127.2	6265.4	6373.9	6481.8	6549.9	6553.6	6540.8	6522.8
-7.5°	5712.8	5883.6	6029.1	6146.2	6280.2	6406.4	6515.9	6587.4	6588.9	6571.9	6550.5
-10°	5709.9	5890.2	6039.9	6161.0	6298.2	6422.8	6537.3	6628.0	6625.0	6608.8	6590.4
-12.5°	5699.1	5879.2	6033.0	6154.4	6310.2	6438.5	6567.2	6657.4	6662.2	6650.1	6630.2
-15°	5675.4	5861.4	6010.9	6143.5	6296.2	6446.2	6578.4	6678.0	6695.8	6685.8	6670.1
-17.5°	5628.6	5824.8	5983.4	6126.3	6272.8	6432.7	6583.1	6691.9	6716.2	6712.3	6699.2
-20°	5567.0	5769.5	5930.5	6080.2	6239.7	6404.5	6579.4	6678.9	6714.2	6716.4	6707.6



REPORT NUMBER: P645511 (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°	5497.9	5696.2	5866.9	6014.1	6187.1	6353.8	6512.3	6628.8	6688.0	6699.0	6699.8
-25°	5415.1	5618.8	5788.5	5945.2	6106.1	6278.3	6438.4	6568.5	6628.5	6657.2	6666.1
-27.5°	5298.0	5508.6	5675.6	5841.2	6004.9	6182.8	6351.1	6492.5	6541.3	6580.7	6596.5
-30°	5160.9	5369.1	5539.4	5690.8	5878.1	6059.4	6233.1	6356.5	6430.1	6475.2	6499.8
-32.5°	5003.2	5213.4	5392.1	5550.2	5728.2	5909.5	6073.0	6203.1	6304.6	6356.6	6383.0
-35°	4832.2	5046.8	5233.9	5400.4	5568.0	5740.9	5910.2	6046.3	6162.0	6206.6	6239.7
-37.5°	4626.0	4862.8	5054.5	5226.3	5385.5	5548.0	5724.3	5880.0	5992.2	6035.6	6070.4
-40°	4414.5	4643.3	4836.8	5020.0	5177.4	5354.8	5524.6	5687.8	5785.3	5835.8	5875.2
-42.5°	4191.2	4397.9	4581.9	4759.9	4935.1	5117.8	5287.5	5457.1	5541.4	5602.3	5650.7
-45°	3933.5	4125.8	4304.6	4471.2	4651.9	4831.4	5001.2	5151.1	5251.4	5330.7	5392.4
-47.5°	3589.9	3824.2	4003.7	4162.1	4341.3	4514.5	4679.1	4820.0	4929.9	5022.7	5094.4
-50°	3240.9	3465.8	3668.2	3846.2	4012.4	4172.6	4329.3	4467.2	4583.5	4684.1	4756.7
-52.5°	2897.3	3107.9	3308.8	3492.6	3652.3	3803.6	3946.9	4085.6	4208.3	4315.8	4386.1
-55°	2508.9	2727.2	2925.9	3097.2	3256.9	3406.4	3547.9	3679.4	3800.2	3909.7	3977.0
-57.5°	2144.7	2336.1	2521.0	2679.2	2829.8	2972.2	3106.4	3232.3	3348.6	3451.6	3516.5
-60°	1809.8	1949.4	2108.5	2254.6	2388.1	2509.2	2634.5	2751.8	2858.7	2949.3	3009.8
-62.5°	1513.8	1629.5	1744.4	1855.5	1963.8	2072.7	2177.5	2274.8	2364.1	2438.3	2491.3
-65°	1250.1	1343.1	1426.2	1504.9	1580.0	1665.8	1745.5	1820.5	1889.8	1946.7	1987.1
-67.5°	1029.4	1094.7	1152.1	1206.2	1265.4	1326.1	1382.9	1432.5	1474.8	1508.6	1535.2
-70°	830.1	878.2	921.5	964.6	1007.8	1047.2	1084.9	1121.3	1156.0	1184.2	1205.3
-72.5°	650.2	683.0	712.5	745.6	776.7	806.7	832.7	853.7	870.0	885.9	899.8
-75°	495.7	520.3	553.6	581.7	604.9	625.5	644.3	661.0	675.8	688.8	700.3
-77.5°	398.6	419.6	440.8	461.3	481.1	495.9	509.6	523.2	536.7	548.2	558.5
-80°	295.5	311.1	327.4	343.9	360.3	368.4	374.9	380.9	386.3	393.2	399.6
-82.5°	180.6	189.5	198.6	207.8	217.0	219.3	220.1	219.9	218.7	216.2	212.4
-85°	80.4	80.9	80.6	79.7	78.2	75.0	71.1	66.6	61.5	60.7	59.8
-87.5°	17.7	17.3	16.9	16.3	15.7	15.6	15.6	15.4	15.3	15.8	16.3
-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: P645511 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-722-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	0.3
85°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	1.3	1.3
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	0.7	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	0.7	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.4
67.5°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	0.9	1.2	1.4	1.4
65°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	0.8	1.2	1.5	1.7
62.5°	2.7	2.8	2.9	2.9	2.9	2.8	2.7	2.5	2.4	2.6	2.7
60°	5.2	3.4	2.9	2.9	2.9	3.4	5.2	6.6	7.5	8.2	8.1
57.5°	31.8	23.7	20.2	18.7	20.2	23.7	31.8	37.6	40.5	123.3	149.7
55°	777.4	817.0	846.5	860.2	846.5	817.0	777.4	709.1	613.9	576.1	587.7
52.5°	1079.4	1096.6	1106.5	1106.2	1106.5	1096.6	1079.4	1060.9	1039.8	1004.5	971.3
50°	1203.1	1211.5	1214.5	1212.7	1214.5	1211.5	1203.1	1190.2	1182.5	1166.4	1107.3
47.5°	1777.1	1623.3	1510.3	1483.1	1510.3	1623.3	1777.1	1846.7	1770.6	1615.5	1439.8
45°	2531.0	2589.4	2647.5	2665.5	2647.5	2589.4	2531.0	2504.5	2449.2	2381.7	2311.9
42.5°	2792.2	2811.2	2821.9	2822.3	2821.9	2811.2	2792.2	2767.4	2708.6	2635.2	2544.5
40°	2916.8	2934.7	2945.1	2946.1	2945.1	2934.7	2916.8	2892.1	2848.0	2783.5	2700.6
37.5°	3029.9	3045.2	3055.2	3065.4	3055.2	3045.2	3029.9	3022.8	3016.9	2951.3	2901.9
35°	3541.3	3425.5	3258.8	3284.1	3258.8	3425.5	3541.3	3554.7	3455.7	3271.5	3359.9
32.5°	4420.6	4469.3	4499.7	4551.4	4499.7	4469.3	4420.6	4375.7	4404.4	4303.7	4086.9
30°	4826.3	4842.4	4866.7	4892.3	4866.7	4842.4	4826.3	4813.4	4805.4	4688.0	4557.1
27.5°	4927.5	4944.1	4958.9	4970.0	4958.9	4944.1	4927.5	4918.0	4900.0	4826.4	4715.1
25°	4980.5	4990.8	5006.6	5020.4	5006.6	4990.8	4980.5	4978.4	4964.0	4918.5	4829.1
22.5°	5006.8	5007.8	5020.1	5037.6	5020.1	5007.8	5006.8	5011.0	5003.7	4983.9	4886.8
20°	5024.8	5015.1	5027.8	5039.1	5027.8	5015.1	5024.8	5031.4	5029.4	5029.9	4948.9
17.5°	5254.9	5123.6	5069.7	5070.7	5069.7	5123.6	5254.9	5124.0	5216.7	5259.5	5238.0
15°	5996.7	6046.0	6234.6	6336.6	6234.6	6046.0	5996.7	6138.0	6012.1	6041.4	5929.6
12.5°	6475.5	6458.0	6435.6	6466.1	6435.6	6458.0	6475.5	6480.0	6504.8	6518.0	6484.4
10°	6497.6	6495.6	6455.7	6499.2	6455.7	6495.6	6497.6	6511.0	6542.6	6564.8	6526.2
7.5°	6484.0	6485.2	6468.2	6510.7	6468.2	6485.2	6484.0	6519.5	6541.2	6554.1	6514.9
5°	6493.0	6463.8	6474.9	6499.2	6474.9	6463.8	6493.0	6496.4	6517.5	6533.1	6510.0
2.5°	6467.9	6464.9	6443.3	6460.3	6443.3	6464.9	6467.9	6481.5	6493.8	6500.6	6500.8
0°	6448.8	6433.0	6433.0	6447.4	6433.0	6433.0	6448.8	6473.3	6494.8	6513.5	6520.7
-2.5°	6482.8	6479.5	6477.4	6467.5	6477.4	6479.5	6482.8	6493.8	6504.5	6513.7	6517.1
-5°	6510.8	6502.2	6478.7	6510.7	6478.7	6502.2	6510.8	6522.8	6540.8	6553.6	6549.9
-7.5°	6540.9	6519.1	6496.7	6546.6	6496.7	6519.1	6540.9	6550.5	6571.9	6588.9	6587.4
-10°	6568.3	6536.8	6515.0	6563.9	6515.0	6536.8	6568.3	6590.4	6608.8	6625.0	6628.0
-12.5°	6604.6	6567.7	6553.2	6579.7	6553.2	6567.7	6604.6	6630.2	6650.1	6662.2	6657.4
-15°	6643.4	6617.8	6614.4	6630.1	6614.4	6617.8	6643.4	6670.1	6685.8	6695.8	6678.0
-17.5°	6677.4	6659.5	6668.3	6686.2	6668.3	6659.5	6677.4	6699.2	6712.3	6716.2	6691.9
-20°	6693.6	6683.6	6693.6	6737.9	6693.6	6683.6	6693.6	6707.6	6716.4	6714.2	6678.9

Classified

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

Scaled Data Report



REPORT NUMBER: P645511 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-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°	6692.3	6692.9	6710.5	6725.0	6710.5	6692.9	6692.3	6699.8	6699.0	6688.0	6628.8
-25°	6666.7	6680.2	6700.4	6729.3	6700.4	6680.2	6666.7	6666.1	6657.2	6628.5	6568.5
-27.5°	6605.1	6627.5	6648.6	6679.0	6648.6	6627.5	6605.1	6596.5	6580.7	6541.3	6492.5
-30°	6516.1	6542.7	6561.5	6594.1	6561.5	6542.7	6516.1	6499.8	6475.2	6430.1	6356.5
-32.5°	6407.7	6437.8	6460.1	6483.3	6460.1	6437.8	6407.7	6383.0	6356.6	6304.6	6203.1
-35°	6272.3	6304.7	6328.3	6349.5	6328.3	6304.7	6272.3	6239.7	6206.6	6162.0	6046.3
-37.5°	6109.5	6144.4	6171.4	6195.6	6171.4	6144.4	6109.5	6070.4	6035.6	5992.2	5880.0
-40°	5919.9	5955.8	5984.5	6011.5	5984.5	5955.8	5919.9	5875.2	5835.8	5785.3	5687.8
-42.5°	5698.2	5734.4	5764.1	5791.4	5764.1	5734.4	5698.2	5650.7	5602.3	5541.4	5457.1
-45°	5442.2	5479.4	5510.8	5539.7	5510.8	5479.4	5442.2	5392.4	5330.7	5251.4	5151.1
-47.5°	5147.3	5187.1	5214.0	5227.5	5214.0	5187.1	5147.3	5094.4	5022.7	4929.9	4820.0
-50°	4809.4	4849.2	4881.5	4905.3	4881.5	4849.2	4809.4	4756.7	4684.1	4583.5	4467.2
-52.5°	4437.3	4475.2	4503.0	4519.8	4503.0	4475.2	4437.3	4386.1	4315.8	4208.3	4085.6
-55°	4030.0	4069.7	4096.0	4108.4	4096.0	4069.7	4030.0	3977.0	3909.7	3800.2	3679.4
-57.5°	3568.0	3605.7	3633.7	3649.5	3633.7	3605.7	3568.0	3516.5	3451.6	3348.6	3232.3
-60°	3056.9	3090.6	3111.8	3120.1	3111.8	3090.6	3056.9	3009.8	2949.3	2858.7	2751.8
-62.5°	2534.0	2565.9	2585.8	2593.6	2585.8	2565.9	2534.0	2491.3	2438.3	2364.1	2274.8
-65°	2017.2	2037.2	2048.3	2049.9	2048.3	2037.2	2017.2	1987.1	1946.7	1889.8	1820.5
-67.5°	1556.2	1571.4	1580.7	1583.8	1580.7	1571.4	1556.2	1535.2	1508.6	1474.8	1432.5
-70°	1221.1	1231.6	1237.5	1238.6	1237.5	1231.6	1221.1	1205.3	1184.2	1156.0	1121.3
-72.5°	910.4	917.9	915.3	909.1	915.3	917.9	910.4	899.8	885.9	870.0	853.7
-75°	710.2	718.5	715.0	709.2	715.0	718.5	710.2	700.3	688.8	675.8	661.0
-77.5°	567.4	574.9	571.2	565.3	571.2	574.9	567.4	558.5	548.2	536.7	523.2
-80°	405.2	409.7	412.8	414.3	412.8	409.7	405.2	399.6	393.2	386.3	380.9
-82.5°	207.4	201.3	197.4	192.8	197.4	201.3	207.4	212.4	216.2	218.7	219.9
-85°	58.6	57.2	58.2	59.0	58.2	57.2	58.6	59.8	60.7	61.5	66.6
-87.5°	16.8	17.2	17.3	17.3	17.3	17.2	16.8	16.3	15.8	15.3	15.4
-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: P645511 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-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°	0.7	1.0	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0
85°	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.6
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.7
65°	1.8	1.7	1.7	2.0	2.1	1.9	2.0	2.1	2.0	1.9	1.8
62.5°	2.9	3.1	3.1	3.2	3.2	4.1	3.6	3.7	3.4	4.1	5.6
60°	6.9	5.4	8.2	9.1	7.8	13.3	22.6	20.4	6.1	32.6	37.6
57.5°	95.2	79.0	165.5	165.0	69.1	93.4	125.0	82.4	53.9	92.3	121.9
55°	663.8	607.9	528.5	520.1	547.5	416.0	347.8	334.7	262.0	170.4	202.3
52.5°	935.8	880.1	825.9	775.5	734.1	689.9	624.9	554.6	532.2	428.5	330.5
50°	1058.9	1113.0	1059.7	929.4	952.5	889.6	798.0	723.3	738.6	675.2	544.4
47.5°	1435.9	1502.0	1503.6	1425.9	1339.3	1312.7	1178.3	945.0	960.6	957.9	819.4
45°	2102.4	2010.2	2044.6	1935.3	1782.5	1698.0	1693.4	1443.8	1212.6	1175.1	1161.6
42.5°	2467.5	2399.3	2328.7	2247.2	2112.1	1977.3	1894.1	1753.7	1567.7	1403.2	1344.9
40°	2615.2	2535.7	2469.7	2402.3	2293.4	2155.4	2088.4	1904.0	1764.3	1621.9	1574.4
37.5°	2793.7	2642.8	2701.7	2574.1	2473.0	2439.4	2387.5	2195.5	1885.8	1859.8	1835.8
35°	3192.2	3051.0	3186.9	3162.8	2760.6	2805.4	2839.9	2604.1	2279.8	2104.0	2107.8
32.5°	4101.3	3776.0	3676.7	3798.3	3586.9	3235.9	3241.1	3169.3	2726.6	2470.8	2358.8
30°	4430.5	4286.0	4129.4	4108.4	3950.9	3747.9	3618.9	3446.4	3124.2	2832.2	2640.3
27.5°	4572.5	4441.4	4309.6	4208.0	4116.9	3979.1	3810.8	3608.0	3378.9	3117.2	2930.8
25°	4673.9	4527.1	4413.4	4301.2	4203.1	4098.8	3926.8	3729.4	3515.6	3304.6	3104.4
22.5°	4755.4	4618.5	4496.2	4375.4	4295.8	4183.6	4029.2	3825.2	3681.7	3547.6	3287.4
20°	4844.4	4712.5	4574.8	4580.6	4463.4	4276.0	4127.6	4026.1	4006.4	3855.6	3519.6
17.5°	5231.1	4868.4	4935.9	5063.7	4805.5	4465.5	4412.5	4418.2	4355.8	4215.6	3797.8
15°	6059.5	5535.6	5540.2	5628.3	5348.5	4930.8	4834.3	4822.6	4724.4	4569.2	4091.6
12.5°	6320.4	6145.4	6113.3	5982.3	5707.5	5395.3	5281.2	5219.2	5039.1	4738.9	4303.0
10°	6408.5	6307.2	6172.5	6040.4	5873.6	5748.2	5585.5	5360.5	5104.9	4815.4	4460.5
7.5°	6419.0	6313.8	6205.3	6079.5	5933.2	5786.0	5625.2	5401.5	5154.4	4870.4	4571.5
5°	6412.9	6308.0	6207.4	6087.2	5938.7	5796.0	5650.4	5429.2	5187.8	4906.3	4644.4
2.5°	6397.2	6291.1	6195.3	6086.2	5938.3	5800.8	5665.9	5458.9	5211.7	4936.0	4668.8
0°	6420.0	6315.0	6224.4	6102.1	5968.3	5808.7	5673.5	5489.3	5223.2	4955.6	4678.0
-2.5°	6429.9	6321.3	6238.3	6100.4	5989.6	5826.6	5689.7	5511.8	5245.0	4990.3	4700.2
-5°	6481.8	6373.9	6265.4	6127.2	6010.6	5858.1	5704.1	5520.9	5261.3	5009.2	4710.2
-7.5°	6515.9	6406.4	6280.2	6146.2	6029.1	5883.6	5712.8	5521.7	5276.2	5008.9	4715.1
-10°	6537.3	6422.8	6298.2	6161.0	6039.9	5890.2	5709.9	5516.9	5273.2	4997.2	4704.5
-12.5°	6567.2	6438.5	6310.2	6154.4	6033.0	5879.2	5699.1	5505.9	5250.6	4975.3	4677.6
-15°	6578.4	6446.2	6296.2	6143.5	6010.9	5861.4	5675.4	5473.3	5211.2	4941.6	4633.6
-17.5°	6583.1	6432.7	6272.8	6126.3	5983.4	5824.8	5628.6	5413.6	5160.6	4882.0	4575.6
-20°	6579.4	6404.5	6239.7	6080.2	5930.5	5769.5	5567.0	5354.1	5088.3	4804.9	4500.5



REPORT NUMBER: P645511 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-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°	6512.3	6353.8	6187.1	6014.1	5866.9	5696.2	5497.9	5277.6	4994.3	4720.3	4404.8
-25°	6438.4	6278.3	6106.1	5945.2	5788.5	5618.8	5415.1	5165.3	4896.2	4611.1	4288.7
-27.5°	6351.1	6182.8	6004.9	5841.2	5675.6	5508.6	5298.0	5046.4	4787.3	4475.6	4162.6
-30°	6233.1	6059.4	5878.1	5690.8	5539.4	5369.1	5160.9	4916.5	4638.3	4330.5	4032.7
-32.5°	6073.0	5909.5	5728.2	5550.2	5392.1	5213.4	5003.2	4760.6	4468.6	4177.5	3867.6
-35°	5910.2	5740.9	5568.0	5400.4	5233.9	5046.8	4832.2	4568.2	4289.1	4000.7	3679.1
-37.5°	5724.3	5548.0	5385.5	5226.3	5054.5	4862.8	4626.0	4370.8	4098.7	3781.7	3475.6
-40°	5524.6	5354.8	5177.4	5020.0	4836.8	4643.3	4414.5	4166.5	3867.2	3553.9	3266.2
-42.5°	5287.5	5117.8	4935.1	4759.9	4581.9	4397.9	4191.2	3922.9	3626.4	3330.8	3032.0
-45°	5001.2	4831.4	4651.9	4471.2	4304.6	4125.8	3933.5	3647.5	3354.6	3072.9	2786.2
-47.5°	4679.1	4514.5	4341.3	4162.1	4003.7	3824.2	3589.9	3323.7	3064.6	2796.6	2503.1
-50°	4329.3	4172.6	4012.4	3846.2	3668.2	3465.8	3240.9	3008.7	2752.0	2476.9	2208.8
-52.5°	3946.9	3803.6	3652.3	3492.6	3308.8	3107.9	2897.3	2650.7	2394.6	2161.1	1917.3
-55°	3547.9	3406.4	3256.9	3097.2	2925.9	2727.2	2508.9	2284.7	2075.7	1859.7	1673.6
-57.5°	3106.4	2972.2	2829.8	2679.2	2521.0	2336.1	2144.7	1954.4	1788.8	1621.0	1452.1
-60°	2634.5	2509.2	2388.1	2254.6	2108.5	1949.4	1809.8	1669.4	1528.9	1395.0	1259.0
-62.5°	2177.5	2072.7	1963.8	1855.5	1744.4	1629.5	1513.8	1405.5	1294.7	1181.1	1081.1
-65°	1745.5	1665.8	1580.0	1504.9	1426.2	1343.1	1250.1	1165.1	1084.6	1001.4	916.3
-67.5°	1382.9	1326.1	1265.4	1206.2	1152.1	1094.7	1029.4	960.7	896.9	835.3	772.6
-70°	1084.9	1047.2	1007.8	964.6	921.5	878.2	830.1	779.6	728.4	682.2	638.0
-72.5°	832.7	806.7	776.7	745.6	712.5	683.0	650.2	616.0	581.3	546.3	512.9
-75°	644.3	625.5	604.9	581.7	553.6	520.3	495.7	479.0	458.1	432.6	404.8
-77.5°	509.6	495.9	481.1	461.3	440.8	419.6	398.6	378.0	357.6	338.3	320.7
-80°	374.9	368.4	360.3	343.9	327.4	311.1	295.5	282.8	270.9	257.8	241.7
-82.5°	220.1	219.3	217.0	207.8	198.6	189.5	180.6	171.7	162.3	152.5	142.5
-85°	71.1	75.0	78.2	79.7	80.6	80.9	80.4	78.0	75.3	72.2	68.8
-87.5°	15.6	15.6	15.7	16.3	16.9	17.3	17.7	18.6	19.3	19.9	20.4
-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: P645511 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-722-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°	0.9	0.9	0.9	0.8	0.8	0.7	0.6	0.6	0.7	0.7	0.8
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.2	1.4	1.5	1.5
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.8	2.2	2.3
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.8	2.2	2.6
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.8	2.2	2.6
75°	1.4	1.4	1.4	1.5	1.5	1.4	1.4	1.5	1.9	2.2	2.6
72.5°	1.4	1.4	1.4	1.6	1.8	1.8	1.6	1.6	1.9	2.3	2.6
70°	1.6	1.5	1.4	1.6	2.0	2.3	2.3	2.3	2.0	2.3	2.7
67.5°	2.1	2.2	2.0	2.0	2.1	2.4	2.8	3.3	3.2	2.4	2.7
65°	2.2	2.6	3.0	4.1	3.6	2.5	2.9	5.7	4.5	3.8	2.8
62.5°	4.8	2.7	9.1	12.2	6.9	5.4	4.3	12.6	7.9	5.3	3.9
60°	11.3	9.3	25.4	40.6	28.3	9.5	14.0	21.8	20.0	6.9	5.4
57.5°	105.5	36.3	52.6	76.0	74.7	40.5	29.5	39.4	33.9	19.5	7.6
55°	225.2	189.5	125.2	114.6	123.8	99.9	65.0	63.8	52.4	36.3	12.4
52.5°	309.0	322.4	280.7	196.1	170.8	162.7	127.0	92.5	82.2	54.5	31.5
50°	447.3	416.5	412.3	346.2	239.4	216.7	187.6	144.6	115.3	77.9	53.2
47.5°	631.8	555.0	514.3	484.6	382.0	276.2	246.0	197.8	151.9	112.2	76.0
45°	902.9	717.4	638.6	590.4	523.5	388.5	307.9	249.4	197.9	150.7	99.9
42.5°	1175.2	927.5	780.5	702.7	633.1	515.3	374.1	308.9	242.8	189.8	130.1
40°	1415.4	1144.2	929.7	829.5	740.6	637.7	481.2	372.7	286.8	230.0	164.5
37.5°	1704.7	1390.9	1101.4	962.6	855.3	740.0	589.9	439.2	339.7	272.3	199.0
35°	1984.5	1710.3	1293.6	1123.3	982.9	844.8	694.6	517.8	404.7	315.2	233.4
32.5°	2285.0	2010.6	1583.7	1302.8	1114.9	952.0	792.4	613.5	470.0	358.6	267.7
30°	2521.6	2208.4	1838.4	1482.4	1258.7	1071.6	890.2	705.2	535.5	402.5	302.4
27.5°	2647.0	2379.4	2039.3	1682.6	1420.4	1194.2	990.9	792.9	600.9	450.6	338.5
25°	2776.7	2500.0	2183.0	1857.6	1580.2	1324.0	1091.1	876.5	672.3	505.0	374.2
22.5°	2931.8	2602.4	2304.1	1996.3	1744.9	1455.6	1196.3	961.2	743.7	558.2	409.3
20°	3087.6	2697.6	2423.6	2185.0	1906.6	1598.0	1306.2	1043.7	811.0	610.1	443.6
17.5°	3251.2	2870.4	2626.5	2369.2	2067.7	1736.0	1414.5	1123.7	874.2	660.3	477.0
15°	3535.8	3129.1	2830.9	2548.4	2228.0	1868.7	1520.2	1200.6	933.2	708.6	508.1
12.5°	3794.2	3370.0	3035.4	2721.7	2385.7	1995.2	1622.1	1273.7	987.8	747.1	535.7
10°	4008.0	3593.3	3237.7	2888.1	2538.7	2114.7	1719.3	1333.3	1020.5	775.8	561.2
7.5°	4183.1	3799.8	3434.8	3046.4	2670.2	2192.8	1768.3	1368.0	1045.9	800.3	584.4
5°	4309.7	3937.5	3539.5	3101.6	2711.3	2224.9	1801.6	1396.3	1066.4	820.7	605.4
2.5°	4346.1	3979.8	3578.8	3131.7	2739.1	2245.7	1825.4	1417.9	1082.1	837.2	623.9
0°	4367.3	4007.7	3603.4	3150.3	2753.3	2255.6	1839.8	1432.7	1093.3	850.2	640.1
-2.5°	4396.9	4031.7	3627.2	3198.0	2762.7	2285.8	1847.9	1442.4	1107.4	854.9	649.5
-5°	4411.7	4041.1	3638.6	3230.1	2760.2	2303.8	1847.0	1445.5	1116.6	856.5	656.4
-7.5°	4405.2	4037.9	3639.1	3240.2	2747.8	2307.9	1837.0	1442.2	1120.3	855.3	660.7
-10°	4385.4	4021.5	3625.1	3214.2	2736.3	2291.6	1819.1	1433.1	1118.1	851.6	662.4
-12.5°	4355.2	3990.9	3596.8	3176.8	2712.3	2258.0	1798.0	1417.4	1109.1	845.7	661.3
-15°	4316.0	3946.4	3553.6	3129.2	2672.9	2213.3	1766.3	1394.6	1091.5	839.0	657.4
-17.5°	4265.7	3888.3	3495.5	3072.8	2617.4	2157.8	1723.8	1364.9	1069.5	830.8	649.5
-20°	4175.9	3810.3	3421.6	3008.7	2545.4	2092.2	1670.2	1328.3	1043.3	819.2	638.1



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CATALOG NUMBER: GFLD-SA5C-722-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4075.0	3713.8	3329.5	2922.1	2458.7	2016.7	1605.5	1284.8	1013.1	804.1	624.6
-25°	3967.5	3605.2	3222.5	2802.4	2362.8	1936.8	1540.6	1234.4	979.1	785.4	608.8
-27.5°	3841.1	3482.1	3101.2	2670.4	2251.5	1844.3	1478.4	1189.8	946.2	763.1	590.9
-30°	3699.0	3337.4	2949.5	2529.7	2129.5	1737.1	1408.7	1142.2	918.4	738.8	570.9
-32.5°	3536.2	3177.9	2781.5	2385.6	2000.7	1623.5	1331.7	1091.2	886.2	713.0	552.4
-35°	3351.0	2992.4	2603.5	2230.9	1864.1	1531.7	1256.5	1037.2	849.7	685.0	533.0
-37.5°	3158.0	2793.3	2425.4	2069.4	1719.0	1432.4	1188.8	983.8	809.0	655.1	511.4
-40°	2937.6	2588.4	2238.6	1903.0	1593.3	1325.7	1115.5	931.1	770.5	623.3	487.9
-42.5°	2710.6	2373.5	2043.7	1726.9	1469.3	1238.8	1038.8	874.3	729.9	592.6	462.4
-45°	2465.8	2146.6	1836.4	1578.5	1343.2	1146.8	971.6	815.5	686.5	561.1	436.0
-47.5°	2207.5	1907.4	1648.1	1423.9	1235.9	1054.3	900.2	764.6	641.0	527.4	409.6
-50°	1934.0	1684.8	1474.5	1289.5	1120.3	971.1	829.0	711.3	599.3	490.1	381.9
-52.5°	1691.6	1491.9	1318.0	1159.6	1018.4	883.6	767.7	656.7	556.3	454.4	352.9
-55°	1483.9	1320.2	1173.4	1041.7	917.3	808.5	704.0	608.1	512.2	418.7	323.6
-57.5°	1304.6	1161.5	1044.0	929.6	826.9	734.1	646.0	558.5	469.8	381.7	300.4
-60°	1132.3	1025.5	921.0	829.0	742.0	663.3	591.3	509.0	427.1	344.6	274.6
-62.5°	983.5	892.3	813.3	733.1	660.9	596.7	536.1	460.5	383.1	310.4	246.7
-65°	844.0	774.0	706.7	642.7	582.8	528.4	479.4	410.8	339.0	274.1	217.6
-67.5°	711.6	658.8	605.9	552.2	505.1	461.0	419.2	357.1	293.0	235.9	188.8
-70°	593.2	548.1	506.7	466.8	428.6	391.9	352.4	300.0	244.9	201.6	159.3
-72.5°	481.5	448.6	414.2	381.4	353.1	320.9	284.5	243.7	205.0	166.8	129.1
-75°	378.1	356.4	332.1	306.1	279.8	250.9	226.9	198.4	164.6	131.3	104.0
-77.5°	302.5	281.3	257.1	236.3	218.6	198.9	177.1	152.3	125.5	102.1	80.4
-80°	223.2	206.9	193.2	181.2	164.9	146.9	128.8	110.8	91.3	73.1	56.3
-82.5°	136.1	132.5	128.7	123.2	109.6	96.3	83.2	70.3	56.5	43.7	36.1
-85°	68.1	66.7	64.6	61.7	53.4	45.2	41.5	37.6	33.0	28.5	24.2
-87.5°	22.4	24.1	25.4	26.4	24.5	22.6	20.7	18.8	16.5	14.3	12.1
-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	0.6	0.5	0.4	0.3	0.2	0.0
85°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
82.5°	2.2	1.9	1.5	1.1	0.8	0.5	0.0
80°	2.9	2.5	2.0	1.5	1.0	0.6	0.0
77.5°	2.9	2.9	2.5	1.9	1.3	0.8	0.0
75°	2.9	3.0	2.9	2.2	1.5	0.9	0.0
72.5°	3.0	3.1	3.1	2.6	1.8	1.1	0.0
70°	3.1	3.2	3.2	2.9	2.0	1.2	0.0
67.5°	3.4	3.3	3.3	3.1	2.3	1.4	0.0
65°	3.9	3.8	3.5	3.2	2.6	1.5	0.0
62.5°	4.5	4.8	3.6	3.3	2.8	1.7	0.0
60°	5.3	5.8	3.8	3.5	3.1	1.8	0.0
57.5°	9.8	6.9	4.9	3.6	3.2	2.0	0.0
55°	15.7	8.2	6.1	3.8	3.4	2.1	0.0
52.5°	22.5	10.5	7.3	3.9	3.6	2.3	0.0
50°	30.3	17.9	8.7	4.1	3.7	2.4	0.0
47.5°	40.8	25.8	10.0	4.5	3.9	2.6	0.0
45°	61.6	34.3	11.5	5.6	4.1	2.7	0.0
42.5°	82.8	43.4	12.9	6.7	4.2	2.8	0.0
40°	104.6	52.9	17.4	8.1	4.4	2.9	0.0
37.5°	126.7	63.0	24.9	9.8	4.6	3.1	0.0
35°	149.2	78.3	32.6	11.7	4.8	3.2	0.0
32.5°	173.6	96.1	40.3	13.8	5.0	3.3	0.0
30°	201.5	113.7	48.0	16.1	5.2	3.4	0.0
27.5°	228.8	131.1	57.6	18.5	5.4	3.5	0.0
25°	255.5	148.2	67.5	21.1	5.5	3.6	0.0
22.5°	281.4	165.6	77.3	23.8	5.7	3.7	0.0
20°	306.4	184.4	87.0	26.5	5.9	3.8	0.0
17.5°	331.2	202.5	96.6	29.3	6.1	3.9	0.0
15°	355.0	219.9	105.9	32.1	6.3	4.0	0.0
12.5°	377.3	236.5	115.0	34.9	6.4	4.1	0.0
10°	397.9	252.2	123.6	37.7	6.6	4.1	0.0
7.5°	416.9	266.8	131.7	40.4	6.8	4.2	0.0
5°	434.1	280.3	139.3	42.9	6.9	4.2	0.0
2.5°	449.6	292.6	146.3	45.3	7.1	4.3	0.0
0°	463.2	303.5	152.5	47.5	7.2	4.3	0.0
-2.5°	470.0	310.4	158.3	50.6	8.3	4.5	0.0
-5°	474.9	315.9	163.2	53.4	9.4	4.8	0.0
-7.5°	478.1	319.9	167.3	56.0	10.5	5.0	0.0
-10°	479.5	322.4	170.3	58.2	11.5	5.2	0.0
-12.5°	479.3	323.4	172.4	60.0	12.5	5.4	0.0
-15°	477.4	322.9	173.3	61.5	13.5	5.6	0.0
-17.5°	473.9	321.0	173.2	62.6	14.3	5.8	0.0
-20°	468.5	317.6	172.0	63.2	15.1	5.9	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	460.7	312.7	169.5	63.4	15.8	6.0	0.0
-25°	451.0	305.2	165.9	63.1	16.5	6.1	0.0
-27.5°	439.6	295.9	161.1	62.3	17.0	6.2	0.0
-30°	426.3	285.2	155.0	61.1	17.5	6.2	0.0
-32.5°	411.3	273.3	148.0	59.3	17.8	6.2	0.0
-35°	395.0	260.1	140.2	57.0	18.0	6.2	0.0
-37.5°	377.5	246.9	131.5	54.1	18.2	6.2	0.0
-40°	358.7	234.9	122.1	50.7	18.2	6.1	0.0
-42.5°	338.6	222.0	115.0	47.1	18.1	6.0	0.0
-45°	317.2	208.4	110.1	43.4	17.9	5.9	0.0
-47.5°	294.5	193.9	104.4	39.2	17.5	5.8	0.0
-50°	275.6	178.7	97.8	37.8	17.1	5.6	0.0
-52.5°	256.7	162.8	90.3	37.0	16.5	5.4	0.0
-55°	237.1	150.7	82.1	35.9	15.9	5.2	0.0
-57.5°	216.7	138.4	73.0	34.3	15.1	4.9	0.0
-60°	196.0	125.0	63.5	32.4	14.3	4.6	0.0
-62.5°	177.0	110.6	59.0	30.1	13.4	4.3	0.0
-65°	156.8	95.2	53.8	27.4	12.4	4.0	0.0
-67.5°	135.2	82.3	48.1	24.5	11.4	3.7	0.0
-70°	112.5	72.0	41.8	21.2	10.3	3.3	0.0
-72.5°	95.1	60.9	35.1	18.7	9.2	2.9	0.0
-75°	77.8	49.2	27.9	16.2	8.0	2.5	0.0
-77.5°	59.5	36.9	23.1	13.7	6.7	2.1	0.0
-80°	40.6	28.1	18.6	11.1	5.4	1.7	0.0
-82.5°	29.8	21.2	14.1	8.4	4.1	1.3	0.0
-85°	20.0	14.2	9.4	5.6	2.7	0.9	0.0
-87.5°	10.0	7.1	4.7	2.8	1.4	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)