

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: P645489 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4E-727-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645489 (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: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4E-727-U-LAM-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (64) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

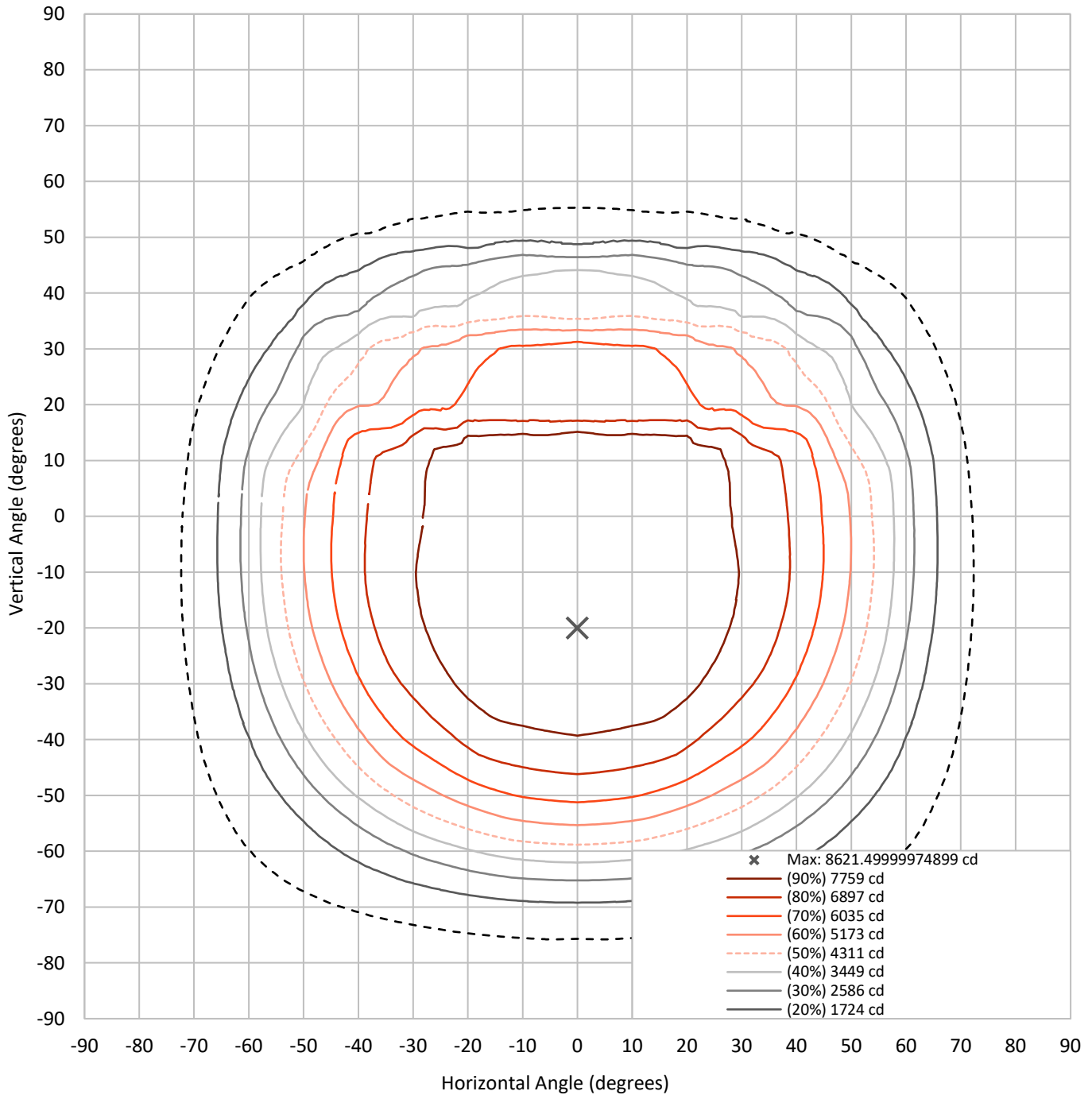
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	20215.7 lumens	Max Intensity:	8621.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	79.0 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	15803.4 lumens	Field Lumens:	19814.2 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	255.9		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		





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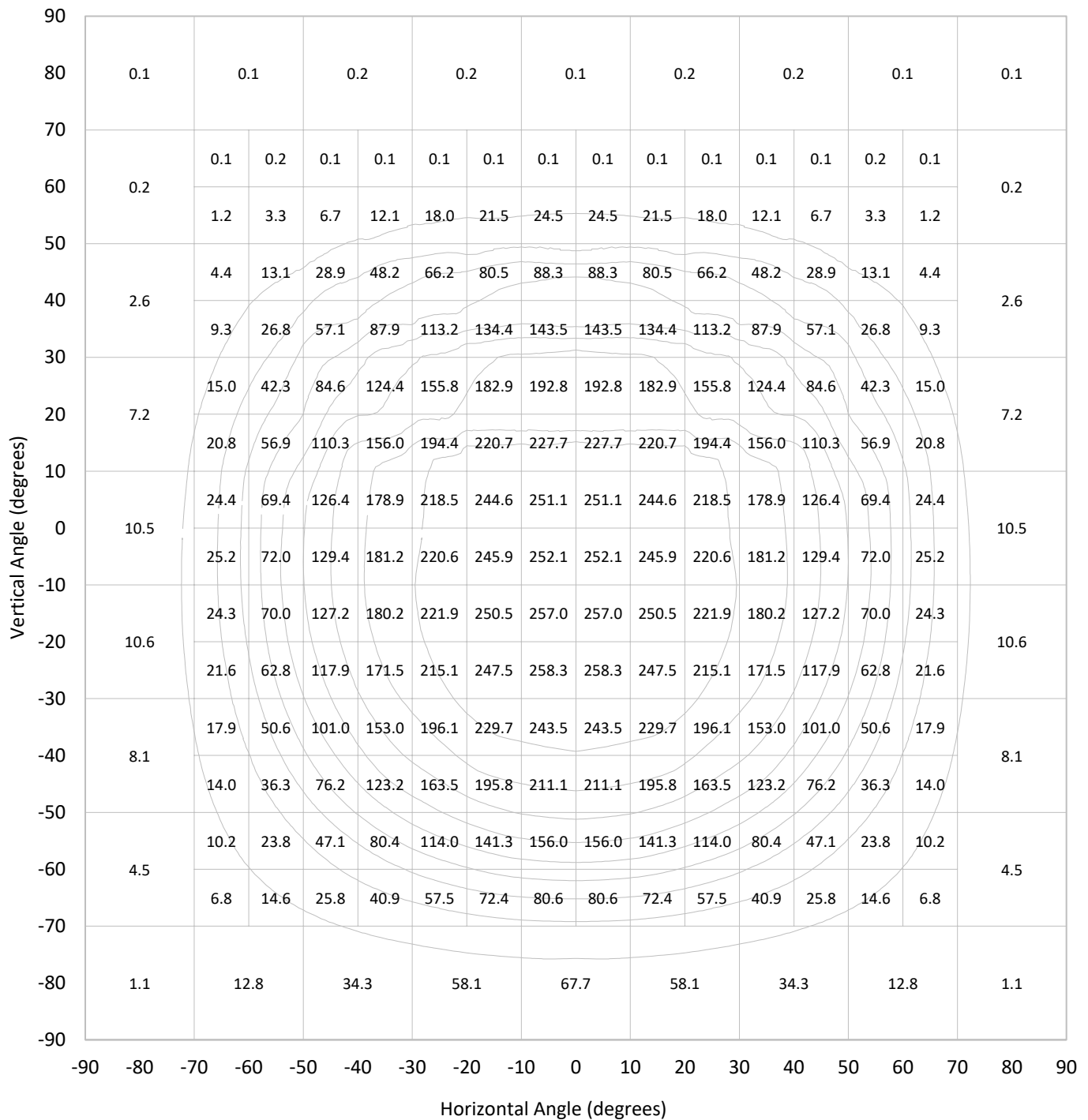
### Iso-Candela Plot





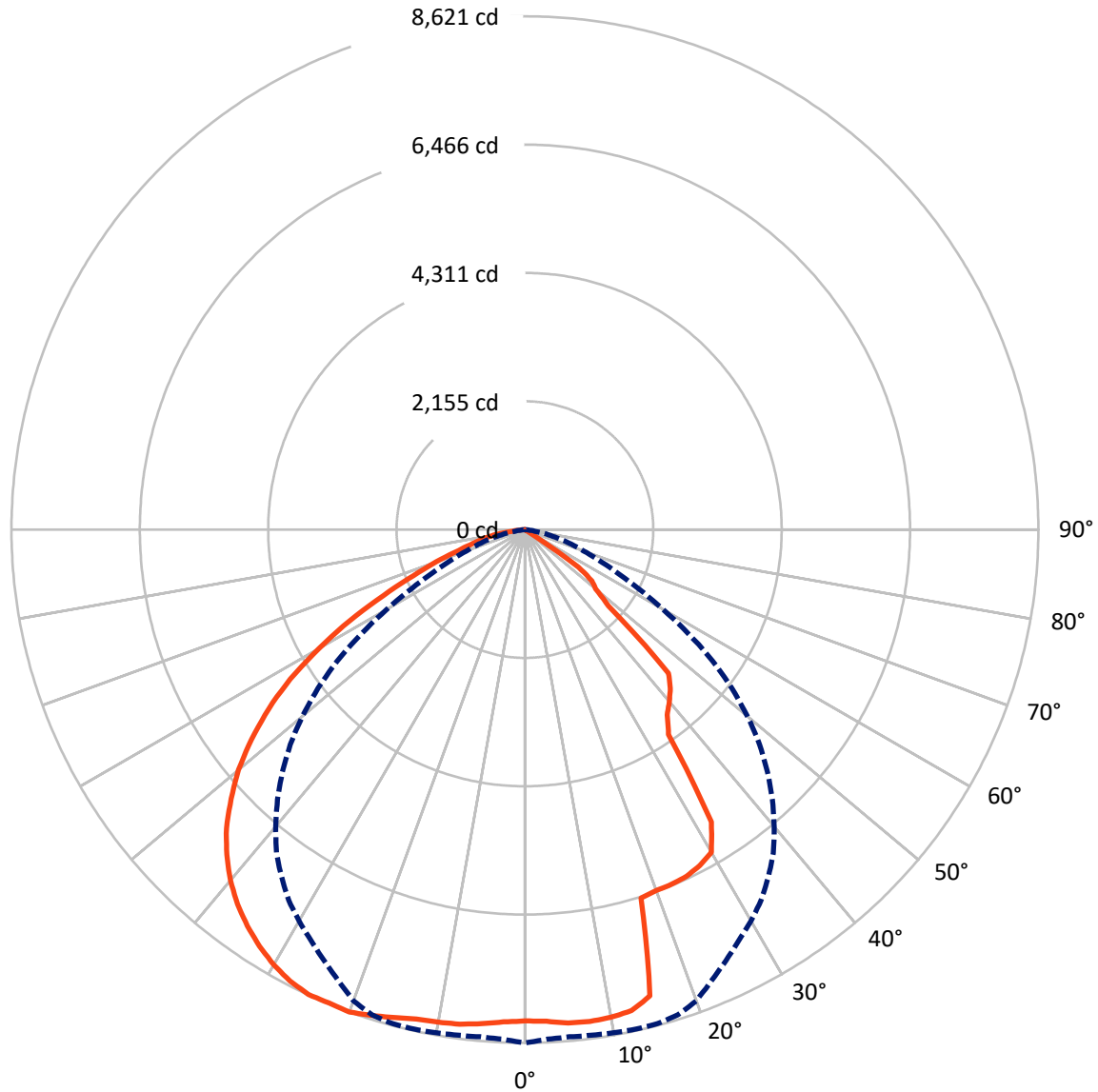
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### Lumen Table



REPORT NUMBER: P645489 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Luminous Intensity Polar Plot

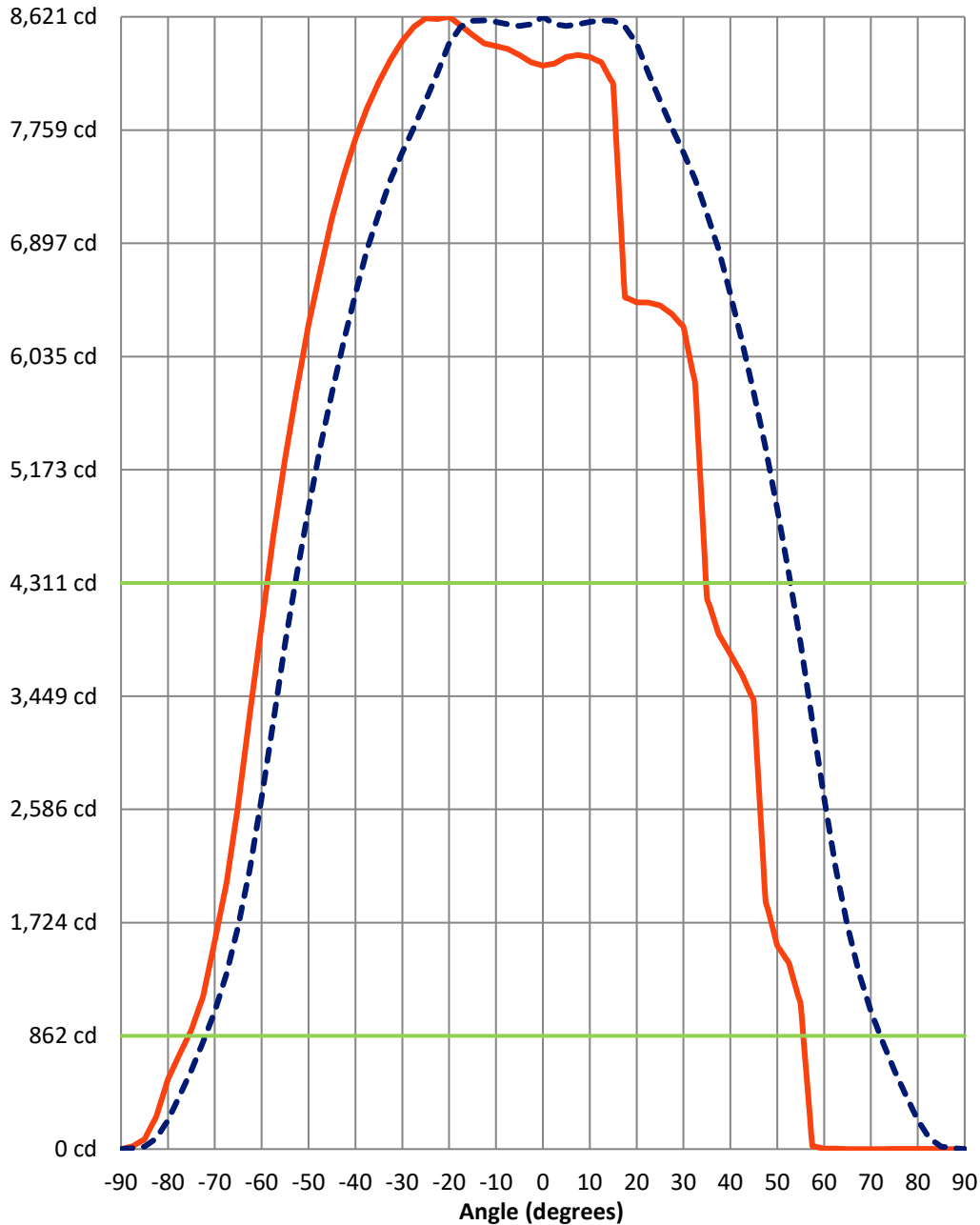


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through -20-Deg



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 15803.4  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 19814.2  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 401.4  
 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	1.0	1.0	0.9	0.9	0.8
85°	0.0	0.4	0.6	1.0	1.3	1.6	1.9	1.9	1.9	1.8	1.5
82.5°	0.0	0.6	1.0	1.4	1.9	2.4	2.9	2.9	2.8	2.3	1.8
80°	0.0	0.8	1.3	1.9	2.6	3.2	3.7	3.3	2.8	2.3	1.9
77.5°	0.0	1.0	1.6	2.4	3.2	3.7	3.7	3.3	2.8	2.4	1.9
75°	0.0	1.2	1.9	2.9	3.7	3.8	3.7	3.3	2.9	2.4	1.9
72.5°	0.0	1.4	2.3	3.3	3.9	4.0	3.8	3.4	2.9	2.5	2.0
70°	0.0	1.6	2.6	3.7	4.1	4.1	3.9	3.4	3.0	2.5	2.9
67.5°	0.0	1.8	2.9	3.9	4.2	4.3	4.3	3.5	3.1	4.1	4.2
65°	0.0	2.0	3.3	4.1	4.4	4.9	5.0	3.5	4.9	5.7	7.2
62.5°	0.0	2.2	3.6	4.3	4.6	6.1	5.8	4.9	6.8	10.1	16.1
60°	0.0	2.4	3.9	4.5	4.8	7.4	6.8	6.9	8.8	25.5	27.8
57.5°	0.0	2.5	4.1	4.6	6.2	8.8	12.6	9.8	25.0	43.4	50.5
55°	0.0	2.7	4.3	4.8	7.8	10.4	20.1	15.8	46.4	67.0	81.7
52.5°	0.0	2.9	4.5	5.0	9.4	13.4	28.8	40.3	69.7	105.2	118.5
50°	0.0	3.1	4.8	5.2	11.1	22.8	38.8	68.1	99.7	147.6	185.1
47.5°	0.0	3.3	5.0	5.7	12.8	33.0	52.2	97.3	143.6	194.4	253.1
45°	0.0	3.4	5.2	7.1	14.6	43.9	78.7	127.8	192.8	253.3	319.2
42.5°	0.0	3.6	5.4	8.5	16.5	55.5	106.0	166.5	242.8	310.7	395.3
40°	0.0	3.8	5.7	10.3	22.3	67.7	133.8	210.5	294.4	367.1	476.8
37.5°	0.0	3.9	5.9	12.5	31.9	80.6	162.1	254.6	348.4	434.7	562.0
35°	0.0	4.1	6.1	15.0	41.6	100.2	190.9	298.6	403.3	517.8	662.6
32.5°	0.0	4.2	6.4	17.7	51.5	122.9	222.1	342.6	458.9	601.4	785.0
30°	0.0	4.4	6.6	20.6	61.5	145.4	257.8	386.9	515.0	685.2	902.4
27.5°	0.0	4.5	6.8	23.7	73.7	167.7	292.8	433.1	576.6	768.9	1014.6
25°	0.0	4.6	7.1	27.0	86.3	189.6	326.9	478.7	646.1	860.2	1121.6
22.5°	0.0	4.8	7.3	30.4	98.9	211.9	360.1	523.7	714.3	951.6	1229.9
20°	0.0	4.9	7.6	33.9	111.3	235.9	392.1	567.6	780.7	1037.8	1335.6
17.5°	0.0	5.0	7.8	37.5	123.6	259.1	423.8	610.4	845.0	1118.6	1437.9
15°	0.0	5.1	8.0	41.1	135.5	281.4	454.2	650.1	906.7	1194.1	1536.2
12.5°	0.0	5.2	8.2	44.7	147.1	302.6	482.7	685.5	956.0	1263.9	1629.8
10°	0.0	5.3	8.5	48.2	158.1	322.7	509.1	718.1	992.7	1305.8	1706.0
7.5°	0.0	5.3	8.7	51.6	168.5	341.4	533.4	747.8	1024.0	1338.3	1750.5
5°	0.0	5.4	8.8	54.8	178.2	358.7	555.4	774.6	1050.0	1364.5	1786.6
2.5°	0.0	5.5	9.0	57.9	187.1	374.4	575.2	798.4	1071.2	1384.6	1814.3
0°	0.0	5.5	9.2	60.7	195.1	388.4	592.7	819.1	1087.8	1398.9	1833.3
-2.5°	0.0	5.8	10.6	64.7	202.5	397.3	601.4	831.2	1093.8	1416.9	1845.7
-5°	0.0	6.1	12.1	68.3	208.8	404.2	607.7	840.0	1095.8	1428.7	1849.6
-7.5°	0.0	6.4	13.4	71.5	214.0	409.3	611.8	845.5	1094.3	1433.4	1845.4
-10°	0.0	6.7	14.8	74.4	217.9	412.5	613.6	847.6	1089.6	1430.6	1833.7
-12.5°	0.0	6.9	16.0	76.8	220.5	413.8	613.3	846.2	1082.1	1419.1	1813.6
-15°	0.0	7.2	17.2	78.7	221.8	413.2	610.8	841.2	1073.5	1396.6	1784.4
-17.5°	0.0	7.4	18.3	80.0	221.6	410.7	606.4	831.1	1063.1	1368.4	1746.4
-20°	0.0	7.5	19.3	80.8	220.0	406.3	599.4	816.6	1048.3	1334.9	1699.5

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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	7.7	20.3	81.1	216.9	400.1	589.4	799.2	1028.9	1296.3	1643.9
-25°	0.0	7.8	21.1	80.7	212.3	390.5	577.1	779.0	1005.0	1252.8	1579.4
-27.5°	0.0	7.9	21.7	79.7	206.1	378.5	562.4	756.1	976.5	1210.7	1522.4
-30°	0.0	7.9	22.3	78.1	198.3	364.9	545.5	730.5	945.3	1175.1	1461.4
-32.5°	0.0	8.0	22.7	75.8	189.3	349.6	526.2	706.8	912.3	1133.9	1396.3
-35°	0.0	8.0	23.0	72.8	179.3	332.8	505.4	681.9	876.5	1087.3	1327.1
-37.5°	0.0	7.9	23.2	69.2	168.3	315.9	483.1	654.4	838.3	1035.2	1258.8
-40°	0.0	7.8	23.2	64.9	156.2	300.5	459.0	624.3	797.5	985.9	1191.3
-42.5°	0.0	7.7	23.1	60.2	147.1	284.1	433.2	591.7	758.2	933.9	1118.7
-45°	0.0	7.6	22.8	55.5	140.9	266.6	405.8	557.9	717.9	878.4	1043.4
-47.5°	0.0	7.4	22.4	50.1	133.5	248.1	376.9	524.1	674.8	820.2	978.3
-50°	0.0	7.2	21.8	48.3	125.1	228.6	352.7	488.6	627.1	766.8	910.1
-52.5°	0.0	6.9	21.1	47.4	115.5	208.2	328.5	451.6	581.5	711.8	840.2
-55°	0.0	6.6	20.3	45.9	105.0	192.8	303.3	414.1	535.7	655.3	778.1
-57.5°	0.0	6.3	19.3	43.9	93.4	177.1	277.2	384.3	488.4	601.1	714.7
-60°	0.0	5.9	18.2	41.4	81.2	160.0	250.7	351.4	441.0	546.4	651.2
-62.5°	0.0	5.5	17.1	38.4	75.5	141.5	226.5	315.6	397.1	490.2	589.2
-65°	0.0	5.1	15.9	35.1	68.9	121.8	200.6	278.4	350.7	433.8	525.6
-67.5°	0.0	4.7	14.6	31.3	61.6	105.3	173.0	241.5	301.8	374.9	456.9
-70°	0.0	4.2	13.2	27.1	53.5	92.1	144.0	203.8	258.0	313.3	383.9
-72.5°	0.0	3.8	11.7	23.9	44.9	78.0	121.8	165.2	213.4	262.3	311.8
-75°	0.0	3.3	10.2	20.8	35.7	63.0	99.5	133.1	168.0	210.6	253.8
-77.5°	0.0	2.7	8.6	17.5	29.5	47.2	76.2	102.9	130.7	160.6	194.9
-80°	0.0	2.2	6.9	14.2	23.9	36.0	52.0	72.1	93.6	116.8	141.8
-82.5°	0.0	1.7	5.2	10.7	18.0	27.2	38.2	46.3	55.9	72.3	90.0
-85°	0.0	1.1	3.5	7.2	12.1	18.2	25.6	30.9	36.5	42.2	48.2
-87.5°	0.0	0.6	1.8	3.6	6.1	9.2	12.8	15.5	18.3	21.1	24.1
-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):**

	-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°	2.9	3.0	2.6	2.1	1.8	1.9	2.1	2.0	1.8	1.8	1.8
67.5°	3.6	3.1	2.7	2.5	2.5	2.8	2.7	2.2	1.8	1.8	1.9
65°	3.7	3.2	4.6	5.2	3.9	3.3	2.8	2.3	2.5	2.6	2.6
62.5°	5.5	6.9	8.8	15.6	11.6	3.4	6.1	7.2	5.3	4.4	4.7
60°	18.0	12.2	36.3	52.0	32.5	11.9	14.5	48.1	41.7	7.7	26.0
57.5°	37.8	51.9	95.5	97.3	67.3	46.4	135.0	156.0	118.1	68.9	105.4
55°	83.3	127.9	158.4	146.6	160.1	242.5	288.2	258.9	217.9	335.2	428.3
52.5°	162.6	208.1	218.4	250.8	359.1	412.6	395.3	422.8	548.3	680.9	709.7
50°	240.0	277.2	306.3	442.9	527.6	532.9	572.3	696.6	864.0	945.1	925.5
47.5°	314.8	353.4	488.7	620.0	658.0	710.1	808.4	1048.4	1225.7	1229.2	1209.1
45°	394.0	497.1	669.8	755.4	817.1	917.9	1155.3	1486.3	1503.5	1551.6	1847.4
42.5°	478.6	659.3	810.0	899.0	998.7	1186.8	1503.6	1720.8	1795.5	2006.0	2243.9
40°	615.7	816.0	947.6	1061.4	1189.6	1464.0	1811.1	2014.6	2075.2	2257.5	2436.3
37.5°	754.8	946.8	1094.3	1231.7	1409.3	1779.7	2181.3	2349.0	2379.7	2413.0	2809.3
35°	888.8	1081.0	1257.6	1437.3	1655.1	2188.4	2539.3	2697.1	2692.2	2917.2	3332.1
32.5°	1014.0	1218.1	1426.6	1666.9	2026.5	2572.7	2923.8	3018.2	3161.5	3488.9	4055.2
30°	1139.1	1371.2	1610.6	1896.8	2352.3	2825.7	3226.5	3378.5	3624.0	3997.6	4409.8
27.5°	1267.9	1528.1	1817.5	2153.0	2609.4	3044.6	3387.0	3750.1	3988.6	4323.4	4616.6
25°	1396.1	1694.2	2021.9	2376.9	2793.2	3198.9	3552.9	3972.3	4228.4	4498.3	4771.8
22.5°	1530.7	1862.6	2232.7	2554.4	2948.2	3330.0	3751.5	4206.3	4539.3	4710.8	4894.5
20°	1671.4	2044.8	2439.5	2795.9	3101.1	3451.8	3950.8	4503.4	4933.3	5126.4	5151.6
17.5°	1809.9	2221.3	2645.7	3031.5	3360.8	3672.9	4160.1	4859.4	5394.0	5573.5	5653.2
15°	1945.2	2391.1	2850.9	3260.9	3622.3	4003.9	4524.2	5235.4	5846.5	6045.1	6170.6
12.5°	2075.6	2553.1	3052.6	3482.6	3884.0	4312.0	4854.8	5505.9	6063.7	6447.8	6678.2
10°	2200.0	2705.9	3248.4	3695.4	4142.7	4597.8	5128.4	5707.4	6161.5	6531.9	6859.0
7.5°	2262.7	2805.9	3416.6	3898.0	4394.9	4861.9	5352.5	5849.4	6231.9	6595.3	6911.4
5°	2305.3	2846.9	3469.2	3968.6	4528.9	5038.2	5514.4	5942.7	6277.9	6638.0	6946.9
2.5°	2335.8	2873.5	3504.8	4007.2	4579.3	5092.3	5561.0	5973.9	6315.8	6668.6	6984.9
0°	2354.2	2886.1	3523.0	4031.0	4610.8	5128.0	5588.1	5985.7	6340.9	6683.3	7023.8
-2.5°	2364.6	2924.7	3535.1	4092.1	4641.2	5158.7	5626.0	6014.1	6385.3	6711.1	7052.5
-5°	2363.3	2947.8	3531.9	4133.1	4655.8	5170.7	5645.0	6027.0	6409.4	6731.9	7064.2
-7.5°	2350.4	2953.1	3515.9	4146.0	4656.4	5166.6	5636.7	6033.2	6409.1	6751.1	7065.2
-10°	2327.5	2932.2	3501.2	4112.7	4638.5	5145.7	5611.3	6019.6	6394.1	6747.2	7059.1
-12.5°	2300.5	2889.2	3470.5	4064.9	4602.2	5106.5	5572.6	5985.2	6366.1	6718.4	7045.0
-15°	2260.0	2831.9	3420.1	4004.0	4547.0	5049.6	5522.5	5928.9	6322.9	6667.9	7003.3
-17.5°	2205.6	2761.0	3349.1	3931.8	4472.6	4975.3	5458.2	5854.6	6246.8	6603.2	6926.9
-20°	2137.1	2677.0	3257.0	3849.8	4378.1	4875.5	5343.3	5758.5	6148.1	6510.7	6850.8



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 CATALOG NUMBER: GFLD-SA4E-727-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°	2054.2	2580.3	3146.0	3739.0	4260.3	4752.0	5214.2	5636.1	6039.8	6390.4	6752.9
-25°	1971.2	2478.2	3023.3	3585.8	4123.3	4613.0	5076.5	5487.6	5900.1	6264.9	6609.2
-27.5°	1891.7	2359.7	2880.9	3416.9	3968.1	4455.5	4914.8	5326.2	5726.7	6125.5	6457.0
-30°	1802.4	2222.7	2724.8	3236.8	3774.1	4270.3	4733.1	5159.9	5541.1	5934.9	6290.8
-32.5°	1703.9	2077.3	2559.9	3052.5	3559.1	4066.3	4524.8	4948.7	5345.3	5717.8	6091.4
-35°	1607.7	1959.9	2385.2	2854.6	3331.3	3828.9	4287.7	4707.6	5119.1	5488.1	5845.1
-37.5°	1521.0	1832.7	2199.5	2647.9	3103.5	3574.1	4040.7	4447.2	4838.9	5244.6	5592.7
-40°	1427.3	1696.2	2038.7	2435.0	2864.4	3312.0	3758.8	4179.3	4547.4	4948.3	5331.2
-42.5°	1329.2	1585.0	1880.0	2209.6	2615.0	3037.0	3468.3	3879.6	4261.9	4640.1	5019.6
-45°	1243.2	1467.4	1718.6	2019.8	2349.8	2746.7	3155.0	3565.1	3931.9	4292.4	4667.1
-47.5°	1151.8	1349.1	1581.4	1821.9	2108.7	2440.6	2824.6	3202.8	3578.3	3921.3	4252.9
-50°	1060.8	1242.6	1433.5	1650.0	1886.7	2155.7	2474.7	2826.2	3169.3	3521.4	3849.8
-52.5°	982.3	1130.6	1303.1	1483.8	1686.4	1908.9	2164.5	2453.3	2765.3	3064.1	3391.8
-55°	900.8	1034.5	1173.8	1332.8	1501.5	1689.3	1898.8	2141.5	2379.5	2655.9	2923.4
-57.5°	826.6	939.3	1058.0	1189.4	1335.9	1486.2	1669.3	1858.1	2074.1	2288.9	2500.8
-60°	756.6	848.6	949.4	1060.7	1178.4	1312.2	1448.8	1611.0	1785.0	1956.4	2136.1
-62.5°	686.0	763.5	845.6	937.9	1040.6	1141.7	1258.4	1383.3	1511.3	1656.6	1798.4
-65°	613.4	676.1	745.7	822.3	904.2	990.3	1079.9	1172.5	1281.4	1387.8	1490.9
-67.5°	536.3	589.9	646.3	706.6	775.3	842.9	910.4	988.5	1068.7	1147.6	1229.2
-70°	450.9	501.4	548.4	597.3	648.4	701.3	759.0	816.3	872.9	931.9	997.5
-72.5°	364.0	410.5	451.8	488.0	529.9	573.9	616.1	656.3	698.9	743.8	788.1
-75°	290.3	321.1	357.9	391.7	425.0	456.0	483.8	517.9	553.5	586.1	612.9
-77.5°	226.6	254.5	279.8	302.4	328.9	360.0	387.1	410.3	432.9	457.6	483.7
-80°	164.8	188.0	211.0	231.9	247.2	264.8	285.6	309.3	329.9	346.7	361.9
-82.5°	106.5	123.2	140.3	157.6	164.7	169.6	174.1	182.4	195.1	207.7	219.8
-85°	53.1	57.9	68.3	79.0	82.7	85.3	87.1	88.1	92.4	96.4	99.9
-87.5°	26.6	29.0	31.4	33.8	32.5	30.8	28.6	26.1	25.5	24.7	23.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-727-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°	1.5	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°	2.6	2.5	2.6	2.5	2.2	2.2	2.3	2.2	2.0	1.6	1.1
62.5°	4.6	5.2	4.1	4.1	4.0	3.9	3.7	3.5	3.3	3.1	3.2
60°	28.9	17.0	10.0	11.6	10.4	6.9	8.8	10.4	10.5	9.6	8.5
57.5°	160.0	119.5	88.5	211.2	211.9	101.2	121.8	191.5	157.7	51.8	48.1
55°	445.1	532.3	700.6	665.5	676.3	777.9	849.4	751.9	737.1	785.5	907.4
52.5°	799.6	882.8	939.4	992.3	1056.8	1126.1	1197.4	1242.8	1285.3	1330.5	1357.4
50°	1021.1	1138.3	1218.8	1189.2	1355.9	1424.2	1354.9	1416.9	1492.4	1513.1	1522.8
47.5°	1507.7	1679.6	1713.7	1824.5	1924.0	1921.9	1837.4	1842.3	2067.2	2265.6	2363.0
45°	2166.8	2172.7	2280.7	2476.3	2616.1	2572.1	2690.1	2958.3	3047.5	3133.9	3204.6
42.5°	2423.6	2530.0	2702.4	2875.4	2979.6	3070.0	3157.3	3255.9	3371.8	3465.8	3541.0
40°	2672.2	2757.9	2934.5	3073.8	3160.1	3244.5	3346.3	3455.5	3561.6	3644.2	3700.6
37.5°	3054.9	3121.3	3164.3	3293.6	3456.9	3381.5	3574.6	3713.1	3776.4	3860.3	3867.8
35°	3633.8	3589.6	3532.3	4046.9	4077.7	3903.9	4084.5	4299.2	4186.1	4421.7	4548.4
32.5°	4147.1	4140.4	4589.6	4860.2	4704.5	4831.6	5247.8	5229.4	5506.9	5635.6	5598.9
30°	4630.6	4795.6	5055.3	5256.9	5283.8	5484.1	5669.0	5831.0	5998.5	6148.7	6159.0
27.5°	4876.0	5091.3	5267.7	5384.3	5514.4	5682.9	5850.7	6033.1	6175.6	6269.7	6292.7
25°	5024.5	5244.5	5378.0	5503.5	5647.1	5792.6	5980.4	6179.1	6293.5	6351.5	6370.1
22.5°	5155.4	5353.1	5496.6	5598.4	5753.0	5909.5	6084.6	6252.8	6377.1	6402.5	6411.8
20°	5281.5	5471.4	5711.1	5861.0	5853.5	6029.8	6198.6	6332.3	6436.0	6435.4	6437.8
17.5°	5646.0	5713.8	6148.9	6479.1	6315.6	6229.3	6693.4	6702.3	6729.8	6675.0	6556.2
15°	6185.7	6309.2	6843.7	7201.7	7088.9	7083.0	7753.3	7587.1	7730.2	7692.7	7853.8
12.5°	6757.4	6903.6	7303.0	7654.6	7822.1	7863.3	8087.2	8297.0	8340.1	8323.1	8291.5
10°	7146.9	7355.1	7515.5	7729.0	7897.9	8070.3	8200.0	8350.6	8400.0	8371.4	8331.1
7.5°	7197.7	7403.4	7591.7	7779.0	7940.0	8078.9	8213.4	8336.0	8386.3	8369.6	8342.0
5°	7229.9	7416.2	7598.8	7788.8	7942.7	8071.4	8205.6	8329.8	8359.4	8339.5	8312.5
2.5°	7249.8	7422.3	7598.2	7787.4	7927.2	8049.7	8185.5	8318.1	8317.9	8309.1	8293.4
0°	7259.4	7432.4	7636.7	7807.9	7964.4	8080.3	8214.7	8343.5	8334.3	8310.4	8282.8
-2.5°	7280.1	7455.4	7663.9	7805.8	7982.2	8088.4	8227.2	8338.9	8334.5	8322.8	8309.1
-5°	7298.6	7495.7	7690.8	7840.0	8016.8	8155.6	8293.7	8380.9	8385.6	8369.2	8346.2
-7.5°	7309.8	7528.4	7714.5	7864.3	8035.8	8197.2	8337.3	8428.8	8430.9	8409.1	8381.5
-10°	7306.0	7536.8	7728.4	7883.2	8058.8	8218.3	8364.7	8480.8	8477.0	8456.3	8432.7
-12.5°	7292.2	7522.8	7719.5	7874.8	8074.1	8238.4	8403.0	8518.5	8524.6	8509.1	8483.7
-15°	7261.9	7499.9	7691.2	7860.8	8056.3	8248.2	8417.4	8544.8	8567.6	8554.8	8534.7
-17.5°	7202.0	7453.1	7656.0	7838.8	8026.3	8230.9	8423.3	8562.6	8593.7	8588.6	8572.0
-20°	7123.2	7382.4	7588.4	7779.9	7984.0	8194.7	8418.6	8546.0	8591.1	8593.9	8582.6

Classified

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

Scaled Data Report



REPORT NUMBER: P645489 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4E-727-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7034.8	7288.5	7507.0	7695.3	7916.7	8130.0	8332.8	8481.9	8557.6	8571.7	8572.6
-25°	6928.8	7189.5	7406.6	7607.1	7813.0	8033.3	8238.2	8404.6	8481.4	8518.1	8529.5
-27.5°	6779.0	7048.5	7262.2	7474.0	7683.5	7911.1	8126.4	8307.4	8369.8	8420.3	8440.5
-30°	6603.5	6870.0	7087.9	7281.6	7521.2	7753.2	7975.5	8133.4	8227.6	8285.2	8316.8
-32.5°	6401.8	6670.7	6899.4	7101.7	7329.5	7561.5	7770.6	7937.1	8067.0	8133.5	8167.2
-35°	6183.0	6457.6	6697.0	6910.1	7124.5	7345.7	7562.3	7736.6	7884.5	7941.7	7983.9
-37.5°	5919.1	6222.1	6467.5	6687.3	6891.0	7098.9	7324.5	7523.7	7667.4	7722.9	7767.4
-40°	5648.5	5941.3	6188.9	6423.3	6624.7	6851.7	7069.0	7277.8	7402.5	7467.2	7517.6
-42.5°	5362.8	5627.3	5862.8	6090.5	6314.7	6548.4	6765.6	6982.6	7090.4	7168.4	7230.3
-45°	5033.1	5279.2	5507.9	5721.1	5952.3	6182.0	6399.4	6591.1	6719.4	6820.9	6899.9
-47.5°	4593.4	4893.2	5122.9	5325.6	5554.8	5776.5	5987.1	6167.4	6308.1	6426.9	6518.6
-50°	4146.9	4434.6	4693.7	4921.4	5134.1	5339.1	5539.6	5715.9	5864.8	5993.5	6086.4
-52.5°	3707.2	3976.8	4233.8	4468.9	4673.3	4866.8	5050.3	5227.7	5384.7	5522.3	5612.2
-55°	3210.3	3489.6	3743.9	3963.1	4167.3	4358.6	4539.7	4708.0	4862.6	5002.7	5088.8
-57.5°	2744.2	2989.1	3225.7	3428.1	3620.9	3803.1	3974.8	4135.9	4284.6	4416.6	4499.6
-60°	2315.7	2494.3	2697.9	2884.8	3055.7	3210.7	3370.9	3521.1	3657.8	3773.7	3851.1
-62.5°	1937.0	2085.0	2232.0	2374.1	2512.8	2652.1	2786.2	2910.7	3024.9	3119.9	3187.8
-65°	1599.6	1718.5	1824.8	1925.6	2021.6	2131.5	2233.4	2329.3	2418.1	2490.9	2542.6
-67.5°	1317.1	1400.7	1474.2	1543.3	1619.1	1696.7	1769.5	1832.9	1887.1	1930.2	1964.3
-70°	1062.1	1123.6	1179.1	1234.2	1289.5	1340.0	1388.1	1434.8	1479.1	1515.2	1542.3
-72.5°	831.8	873.8	911.6	954.0	993.8	1032.1	1065.4	1092.3	1113.2	1133.5	1151.3
-75°	634.2	665.7	708.3	744.3	774.0	800.3	824.4	845.8	864.7	881.4	896.1
-77.5°	510.1	536.9	564.0	590.2	615.6	634.5	652.0	669.5	686.7	701.5	714.5
-80°	378.1	398.1	419.0	440.0	461.0	471.4	479.7	487.4	494.3	503.1	511.4
-82.5°	231.2	242.5	254.1	265.9	277.6	280.6	281.6	281.4	279.9	276.6	271.8
-85°	102.8	103.5	103.1	102.0	100.0	95.9	90.9	85.2	78.7	77.7	76.5
-87.5°	22.6	22.1	21.5	20.8	20.0	20.0	19.9	19.7	19.5	20.2	20.8
-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: P645489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-727-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°	3.4	3.5	3.7	3.7	3.7	3.5	3.4	3.2	3.1	3.3	3.5
60°	6.7	4.4	3.7	3.7	3.7	4.4	6.7	8.5	9.6	10.5	10.4
57.5°	40.7	30.3	25.8	23.9	25.8	30.3	40.7	48.1	51.8	157.7	191.5
55°	994.7	1045.4	1083.2	1100.7	1083.2	1045.4	994.7	907.4	785.5	737.1	751.9
52.5°	1381.1	1403.1	1415.8	1415.4	1415.8	1403.1	1381.1	1357.4	1330.5	1285.3	1242.8
50°	1539.5	1550.2	1554.0	1551.6	1554.0	1550.2	1539.5	1522.8	1513.1	1492.4	1416.9
47.5°	2274.0	2077.2	1932.5	1897.7	1932.5	2077.2	2274.0	2363.0	2265.6	2067.2	1842.3
45°	3238.6	3313.3	3387.6	3410.7	3387.6	3313.3	3238.6	3204.6	3133.9	3047.5	2958.3
42.5°	3572.7	3597.0	3610.7	3611.3	3610.7	3597.0	3572.7	3541.0	3465.8	3371.8	3255.9
40°	3732.1	3755.0	3768.4	3769.6	3768.4	3755.0	3732.1	3700.6	3644.2	3561.6	3455.5
37.5°	3876.9	3896.4	3909.3	3922.4	3909.3	3896.4	3876.9	3867.8	3860.3	3776.4	3713.1
35°	4531.3	4383.0	4169.8	4202.1	4169.8	4383.0	4531.3	4548.4	4421.7	4186.1	4299.2
32.5°	5656.3	5718.6	5757.5	5823.7	5757.5	5718.6	5656.3	5598.9	5635.6	5506.9	5229.4
30°	6175.4	6196.0	6227.2	6260.0	6227.2	6196.0	6175.4	6159.0	6148.7	5998.5	5831.0
27.5°	6304.9	6326.3	6345.2	6359.4	6345.2	6326.3	6304.9	6292.7	6269.7	6175.6	6033.1
25°	6372.7	6386.0	6406.1	6423.8	6406.1	6386.0	6372.7	6370.1	6351.5	6293.5	6179.1
22.5°	6406.4	6407.8	6423.6	6445.9	6423.6	6407.8	6406.4	6411.8	6402.5	6377.1	6252.8
20°	6429.5	6417.0	6433.2	6447.7	6433.2	6417.0	6429.5	6437.8	6435.4	6436.0	6332.3
17.5°	6723.8	6555.9	6486.9	6488.2	6486.9	6555.9	6723.8	6556.2	6675.0	6729.8	6702.3
15°	7673.1	7736.1	7977.5	8107.9	7977.5	7736.1	7673.1	7853.8	7692.7	7730.2	7587.1
12.5°	8285.6	8263.2	8234.6	8273.6	8234.6	8263.2	8285.6	8291.5	8323.1	8340.1	8297.0
10°	8314.0	8311.4	8260.4	8315.9	8260.4	8311.4	8314.0	8331.1	8371.4	8400.0	8350.6
7.5°	8296.6	8298.1	8276.4	8330.7	8276.4	8298.1	8296.6	8342.0	8369.6	8386.3	8336.0
5°	8308.1	8270.7	8284.8	8315.9	8284.8	8270.7	8308.1	8312.5	8339.5	8359.4	8329.8
2.5°	8275.9	8272.1	8244.5	8266.2	8244.5	8272.1	8275.9	8293.4	8309.1	8317.9	8318.1
0°	8251.5	8231.3	8231.3	8249.7	8231.3	8231.3	8251.5	8282.8	8310.4	8334.3	8343.5
-2.5°	8295.1	8290.8	8288.1	8275.4	8288.1	8290.8	8295.1	8309.1	8322.8	8334.5	8338.9
-5°	8330.8	8319.9	8289.8	8330.7	8289.8	8319.9	8330.8	8346.2	8369.2	8385.6	8380.9
-7.5°	8369.3	8341.4	8312.8	8376.7	8312.8	8341.4	8369.3	8381.5	8409.1	8430.9	8428.8
-10°	8404.5	8364.1	8336.3	8398.8	8336.3	8364.1	8404.5	8432.7	8456.3	8477.0	8480.8
-12.5°	8450.9	8403.7	8385.1	8419.0	8385.1	8403.7	8450.9	8483.7	8509.1	8524.6	8518.5
-15°	8500.5	8467.8	8463.4	8483.4	8463.4	8467.8	8500.5	8534.7	8554.8	8567.6	8544.8
-17.5°	8544.0	8521.1	8532.4	8555.2	8532.4	8521.1	8544.0	8572.0	8588.6	8593.7	8562.6
-20°	8564.8	8552.0	8564.8	8621.5	8564.8	8552.0	8564.8	8582.6	8593.9	8591.1	8546.0



REPORT NUMBER: P645489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-727-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°	8563.0	8563.8	8586.4	8604.9	8586.4	8563.8	8563.0	8572.6	8571.7	8557.6	8481.9
-25°	8530.4	8547.6	8573.4	8610.4	8573.4	8547.6	8530.4	8529.5	8518.1	8481.4	8404.6
-27.5°	8451.6	8480.1	8507.2	8546.0	8507.2	8480.1	8451.6	8440.5	8420.3	8369.8	8307.4
-30°	8337.6	8371.6	8395.7	8437.4	8395.7	8371.6	8337.6	8316.8	8285.2	8227.6	8133.4
-32.5°	8199.0	8237.4	8265.9	8295.7	8265.9	8237.4	8199.0	8167.2	8133.5	8067.0	7937.1
-35°	8025.7	8067.1	8097.4	8124.5	8097.4	8067.1	8025.7	7983.9	7941.7	7884.5	7736.6
-37.5°	7817.4	7862.1	7896.6	7927.6	7896.6	7862.1	7817.4	7767.4	7722.9	7667.4	7523.7
-40°	7574.8	7620.6	7657.4	7692.0	7657.4	7620.6	7574.8	7517.6	7467.2	7402.5	7277.8
-42.5°	7291.1	7337.4	7375.4	7410.4	7375.4	7337.4	7291.1	7230.3	7168.4	7090.4	6982.6
-45°	6963.5	7011.1	7051.3	7088.2	7051.3	7011.1	6963.5	6899.9	6820.9	6719.4	6591.1
-47.5°	6586.2	6637.2	6671.5	6688.8	6671.5	6637.2	6586.2	6518.6	6426.9	6308.1	6167.4
-50°	6153.8	6204.8	6246.0	6276.5	6246.0	6204.8	6153.8	6086.4	5993.5	5864.8	5715.9
-52.5°	5677.8	5726.2	5761.8	5783.2	5761.8	5726.2	5677.8	5612.2	5522.3	5384.7	5227.7
-55°	5156.6	5207.4	5241.1	5256.8	5241.1	5207.4	5156.6	5088.8	5002.7	4862.6	4708.0
-57.5°	4565.5	4613.7	4649.5	4669.7	4649.5	4613.7	4565.5	4499.6	4416.6	4284.6	4135.9
-60°	3911.4	3954.5	3981.7	3992.3	3981.7	3954.5	3911.4	3851.1	3773.7	3657.8	3521.1
-62.5°	3242.5	3283.3	3308.7	3318.6	3308.7	3283.3	3242.5	3187.8	3119.9	3024.9	2910.7
-65°	2581.1	2606.8	2620.9	2622.9	2620.9	2606.8	2581.1	2542.6	2490.9	2418.1	2329.3
-67.5°	1991.2	2010.7	2022.5	2026.5	2022.5	2010.7	1991.2	1964.3	1930.2	1887.1	1832.9
-70°	1562.5	1575.9	1583.5	1584.8	1583.5	1575.9	1562.5	1542.3	1515.2	1479.1	1434.8
-72.5°	1164.9	1174.6	1171.2	1163.3	1171.2	1174.6	1164.9	1151.3	1133.5	1113.2	1092.3
-75°	908.8	919.3	914.9	907.4	914.9	919.3	908.8	896.1	881.4	864.7	845.8
-77.5°	725.9	735.6	730.9	723.4	730.9	735.6	725.9	714.5	701.5	686.7	669.5
-80°	518.5	524.1	528.1	530.1	528.1	524.1	518.5	511.4	503.1	494.3	487.4
-82.5°	265.4	257.5	252.6	246.6	252.6	257.5	265.4	271.8	276.6	279.9	281.4
-85°	75.0	73.2	74.4	75.5	74.4	73.2	75.0	76.5	77.7	78.7	85.2
-87.5°	21.4	22.0	22.1	22.1	22.1	22.0	21.4	20.8	20.2	19.5	19.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-727-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°	2.3	2.2	2.2	2.5	2.6	2.5	2.6	2.6	2.6	2.5	2.3
62.5°	3.7	3.9	4.0	4.1	4.1	5.2	4.6	4.7	4.4	5.3	7.2
60°	8.8	6.9	10.4	11.6	10.0	17.0	28.9	26.0	7.7	41.7	48.1
57.5°	121.8	101.2	211.9	211.2	88.5	119.5	160.0	105.4	68.9	118.1	156.0
55°	849.4	777.9	676.3	665.5	700.6	532.3	445.1	428.3	335.2	217.9	258.9
52.5°	1197.4	1126.1	1056.8	992.3	939.4	882.8	799.6	709.7	680.9	548.3	422.8
50°	1354.9	1424.2	1355.9	1189.2	1218.8	1138.3	1021.1	925.5	945.1	864.0	696.6
47.5°	1837.4	1921.9	1924.0	1824.5	1713.7	1679.6	1507.7	1209.1	1229.2	1225.7	1048.4
45°	2690.1	2572.1	2616.1	2476.3	2280.7	2172.7	2166.8	1847.4	1551.6	1503.5	1486.3
42.5°	3157.3	3070.0	2979.6	2875.4	2702.4	2530.0	2423.6	2243.9	2006.0	1795.5	1720.8
40°	3346.3	3244.5	3160.1	3073.8	2934.5	2757.9	2672.2	2436.3	2257.5	2075.2	2014.6
37.5°	3574.6	3381.5	3456.9	3293.6	3164.3	3121.3	3054.9	2809.3	2413.0	2379.7	2349.0
35°	4084.5	3903.9	4077.7	4046.9	3532.3	3589.6	3633.8	3332.1	2917.2	2692.2	2697.1
32.5°	5247.8	4831.6	4704.5	4860.2	4589.6	4140.4	4147.1	4055.2	3488.9	3161.5	3018.2
30°	5669.0	5484.1	5283.8	5256.9	5055.3	4795.6	4630.6	4409.8	3997.6	3624.0	3378.5
27.5°	5850.7	5682.9	5514.4	5384.3	5267.7	5091.3	4876.0	4616.6	4323.4	3988.6	3750.1
25°	5980.4	5792.6	5647.1	5503.5	5378.0	5244.5	5024.5	4771.8	4498.3	4228.4	3972.3
22.5°	6084.6	5909.5	5753.0	5598.4	5496.6	5353.1	5155.4	4894.5	4710.8	4539.3	4206.3
20°	6198.6	6029.8	5853.5	5861.0	5711.1	5471.4	5281.5	5151.6	5126.4	4933.3	4503.4
17.5°	6693.4	6229.3	6315.6	6479.1	6148.9	5713.8	5646.0	5653.2	5573.5	5394.0	4859.4
15°	7753.3	7083.0	7088.9	7201.7	6843.7	6309.2	6185.7	6170.6	6045.1	5846.5	5235.4
12.5°	8087.2	7863.3	7822.1	7654.6	7303.0	6903.6	6757.4	6678.2	6447.8	6063.7	5505.9
10°	8200.0	8070.3	7897.9	7729.0	7515.5	7355.1	7146.9	6859.0	6531.9	6161.5	5707.4
7.5°	8213.4	8078.9	7940.0	7779.0	7591.7	7403.4	7197.7	6911.4	6595.3	6231.9	5849.4
5°	8205.6	8071.4	7942.7	7788.8	7598.8	7416.2	7229.9	6946.9	6638.0	6277.9	5942.7
2.5°	8185.5	8049.7	7927.2	7787.4	7598.2	7422.3	7249.8	6984.9	6668.6	6315.8	5973.9
0°	8214.7	8080.3	7964.4	7807.9	7636.7	7432.4	7259.4	7023.8	6683.3	6340.9	5985.7
-2.5°	8227.2	8088.4	7982.2	7805.8	7663.9	7455.4	7280.1	7052.5	6711.1	6385.3	6014.1
-5°	8293.7	8155.6	8016.8	7840.0	7690.8	7495.7	7298.6	7064.2	6731.9	6409.4	6027.0
-7.5°	8337.3	8197.2	8035.8	7864.3	7714.5	7528.4	7309.8	7065.2	6751.1	6409.1	6033.2
-10°	8364.7	8218.3	8058.8	7883.2	7728.4	7536.8	7306.0	7059.1	6747.2	6394.1	6019.6
-12.5°	8403.0	8238.4	8074.1	7874.8	7719.5	7522.8	7292.2	7045.0	6718.4	6366.1	5985.2
-15°	8417.4	8248.2	8056.3	7860.8	7691.2	7499.9	7261.9	7003.3	6667.9	6322.9	5928.9
-17.5°	8423.3	8230.9	8026.3	7838.8	7656.0	7453.1	7202.0	6926.9	6603.2	6246.8	5854.6
-20°	8418.6	8194.7	7984.0	7779.9	7588.4	7382.4	7123.2	6850.8	6510.7	6148.1	5758.5

Classified

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

Scaled Data Report



REPORT NUMBER: P645489 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4E-727-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°	8332.8	8130.0	7916.7	7695.3	7507.0	7288.5	7034.8	6752.9	6390.4	6039.8	5636.1
-25°	8238.2	8033.3	7813.0	7607.1	7406.6	7189.5	6928.8	6609.2	6264.9	5900.1	5487.6
-27.5°	8126.4	7911.1	7683.5	7474.0	7262.2	7048.5	6779.0	6457.0	6125.5	5726.7	5326.2
-30°	7975.5	7753.2	7521.2	7281.6	7087.9	6870.0	6603.5	6290.8	5934.9	5541.1	5159.9
-32.5°	7770.6	7561.5	7329.5	7101.7	6899.4	6670.7	6401.8	6091.4	5717.8	5345.3	4948.7
-35°	7562.3	7345.7	7124.5	6910.1	6697.0	6457.6	6183.0	5845.1	5488.1	5119.1	4707.6
-37.5°	7324.5	7098.9	6891.0	6687.3	6467.5	6222.1	5919.1	5592.7	5244.6	4838.9	4447.2
-40°	7069.0	6851.7	6624.7	6423.3	6188.9	5941.3	5648.5	5331.2	4948.3	4547.4	4179.3
-42.5°	6765.6	6548.4	6314.7	6090.5	5862.8	5627.3	5362.8	5019.6	4640.1	4261.9	3879.6
-45°	6399.4	6182.0	5952.3	5721.1	5507.9	5279.2	5033.1	4667.1	4292.4	3931.9	3565.1
-47.5°	5987.1	5776.5	5554.8	5325.6	5122.9	4893.2	4593.4	4252.9	3921.3	3578.3	3202.8
-50°	5539.6	5339.1	5134.1	4921.4	4693.7	4434.6	4146.9	3849.8	3521.4	3169.3	2826.2
-52.5°	5050.3	4866.8	4673.3	4468.9	4233.8	3976.8	3707.2	3391.8	3064.1	2765.3	2453.3
-55°	4539.7	4358.6	4167.3	3963.1	3743.9	3489.6	3210.3	2923.4	2655.9	2379.5	2141.5
-57.5°	3974.8	3803.1	3620.9	3428.1	3225.7	2989.1	2744.2	2500.8	2288.9	2074.1	1858.1
-60°	3370.9	3210.7	3055.7	2884.8	2697.9	2494.3	2315.7	2136.1	1956.4	1785.0	1611.0
-62.5°	2786.2	2652.1	2512.8	2374.1	2232.0	2085.0	1937.0	1798.4	1656.6	1511.3	1383.3
-65°	2233.4	2131.5	2021.6	1925.6	1824.8	1718.5	1599.6	1490.9	1387.8	1281.4	1172.5
-67.5°	1769.5	1696.7	1619.1	1543.3	1474.2	1400.7	1317.1	1229.2	1147.6	1068.7	988.5
-70°	1388.1	1340.0	1289.5	1234.2	1179.1	1123.6	1062.1	997.5	931.9	872.9	816.3
-72.5°	1065.4	1032.1	993.8	954.0	911.6	873.8	831.8	788.1	743.8	698.9	656.3
-75°	824.4	800.3	774.0	744.3	708.3	665.7	634.2	612.9	586.1	553.5	517.9
-77.5°	652.0	634.5	615.6	590.2	564.0	536.9	510.1	483.7	457.6	432.9	410.3
-80°	479.7	471.4	461.0	440.0	419.0	398.1	378.1	361.9	346.7	329.9	309.3
-82.5°	281.6	280.6	277.6	265.9	254.1	242.5	231.2	219.8	207.7	195.1	182.4
-85°	90.9	95.9	100.0	102.0	103.1	103.5	102.8	99.9	96.4	92.4	88.1
-87.5°	19.9	20.0	20.0	20.8	21.5	22.1	22.6	23.7	24.7	25.5	26.1
-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: P645489 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-727-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	1.0
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.5	1.8	1.9	1.9
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3	2.8	2.9
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.3	2.8	3.3
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.4	2.8	3.3
75°	1.8	1.8	1.8	1.9	1.9	1.8	1.8	1.9	2.4	2.9	3.3
72.5°	1.8	1.8	1.8	2.0	2.3	2.3	2.1	2.0	2.5	2.9	3.4
70°	2.1	1.9	1.8	2.1	2.6	3.0	2.9	2.9	2.5	3.0	3.4
67.5°	2.7	2.8	2.5	2.5	2.7	3.1	3.6	4.2	4.1	3.1	3.5
65°	2.8	3.3	3.9	5.2	4.6	3.2	3.7	7.2	5.7	4.9	3.5
62.5°	6.1	3.4	11.6	15.6	8.8	6.9	5.5	16.1	10.1	6.8	4.9
60°	14.5	11.9	32.5	52.0	36.3	12.2	18.0	27.8	25.5	8.8	6.9
57.5°	135.0	46.4	67.3	97.3	95.5	51.9	37.8	50.5	43.4	25.0	9.8
55°	288.2	242.5	160.1	146.6	158.4	127.9	83.3	81.7	67.0	46.4	15.8
52.5°	395.3	412.6	359.1	250.8	218.4	208.1	162.6	118.5	105.2	69.7	40.3
50°	572.3	532.9	527.6	442.9	306.3	277.2	240.0	185.1	147.6	99.7	68.1
47.5°	808.4	710.1	658.0	620.0	488.7	353.4	314.8	253.1	194.4	143.6	97.3
45°	1155.3	917.9	817.1	755.4	669.8	497.1	394.0	319.2	253.3	192.8	127.8
42.5°	1503.6	1186.8	998.7	899.0	810.0	659.3	478.6	395.3	310.7	242.8	166.5
40°	1811.1	1464.0	1189.6	1061.4	947.6	816.0	615.7	476.8	367.1	294.4	210.5
37.5°	2181.3	1779.7	1409.3	1231.7	1094.3	946.8	754.8	562.0	434.7	348.4	254.6
35°	2539.3	2188.4	1655.1	1437.3	1257.6	1081.0	888.8	662.6	517.8	403.3	298.6
32.5°	2923.8	2572.7	2026.5	1666.9	1426.6	1218.1	1014.0	785.0	601.4	458.9	342.6
30°	3226.5	2825.7	2352.3	1896.8	1610.6	1371.2	1139.1	902.4	685.2	515.0	386.9
27.5°	3387.0	3044.6	2609.4	2153.0	1817.5	1528.1	1267.9	1014.6	768.9	576.6	433.1
25°	3552.9	3198.9	2793.2	2376.9	2021.9	1694.2	1396.1	1121.6	860.2	646.1	478.7
22.5°	3751.5	3330.0	2948.2	2554.4	2232.7	1862.6	1530.7	1229.9	951.6	714.3	523.7
20°	3950.8	3451.8	3101.1	2795.9	2439.5	2044.8	1671.4	1335.6	1037.8	780.7	567.6
17.5°	4160.1	3672.9	3360.8	3031.5	2645.7	2221.3	1809.9	1437.9	1118.6	845.0	610.4
15°	4524.2	4003.9	3622.3	3260.9	2850.9	2391.1	1945.2	1536.2	1194.1	906.7	650.1
12.5°	4854.8	4312.0	3884.0	3482.6	3052.6	2553.1	2075.6	1629.8	1263.9	956.0	685.5
10°	5128.4	4597.8	4142.7	3695.4	3248.4	2705.9	2200.0	1706.0	1305.8	992.7	718.1
7.5°	5352.5	4861.9	4394.9	3898.0	3416.6	2805.9	2262.7	1750.5	1338.3	1024.0	747.8
5°	5514.4	5038.2	4528.9	3968.6	3469.2	2846.9	2305.3	1786.6	1364.5	1050.0	774.6
2.5°	5561.0	5092.3	4579.3	4007.2	3504.8	2873.5	2335.8	1814.3	1384.6	1071.2	798.4
0°	5588.1	5128.0	4610.8	4031.0	3523.0	2886.1	2354.2	1833.3	1398.9	1087.8	819.1
-2.5°	5626.0	5158.7	4641.2	4092.1	3535.1	2924.7	2364.6	1845.7	1416.9	1093.8	831.2
-5°	5645.0	5170.7	4655.8	4133.1	3531.9	2947.8	2363.3	1849.6	1428.7	1095.8	840.0
-7.5°	5636.7	5166.6	4656.4	4146.0	3515.9	2953.1	2350.4	1845.4	1433.4	1094.3	845.5
-10°	5611.3	5145.7	4638.5	4112.7	3501.2	2932.2	2327.5	1833.7	1430.6	1089.6	847.6
-12.5°	5572.6	5106.5	4602.2	4064.9	3470.5	2889.2	2300.5	1813.6	1419.1	1082.1	846.2
-15°	5522.5	5049.6	4547.0	4004.0	3420.1	2831.9	2260.0	1784.4	1396.6	1073.5	841.2
-17.5°	5458.2	4975.3	4472.6	3931.8	3349.1	2761.0	2205.6	1746.4	1368.4	1063.1	831.1
-20°	5343.3	4875.5	4378.1	3849.8	3257.0	2677.0	2137.1	1699.5	1334.9	1048.3	816.6



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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°	5214.2	4752.0	4260.3	3739.0	3146.0	2580.3	2054.2	1643.9	1296.3	1028.9	799.2
-25°	5076.5	4613.0	4123.3	3585.8	3023.3	2478.2	1971.2	1579.4	1252.8	1005.0	779.0
-27.5°	4914.8	4455.5	3968.1	3416.9	2880.9	2359.7	1891.7	1522.4	1210.7	976.5	756.1
-30°	4733.1	4270.3	3774.1	3236.8	2724.8	2222.7	1802.4	1461.4	1175.1	945.3	730.5
-32.5°	4524.8	4066.3	3559.1	3052.5	2559.9	2077.3	1703.9	1396.3	1133.9	912.3	706.8
-35°	4287.7	3828.9	3331.3	2854.6	2385.2	1959.9	1607.7	1327.1	1087.3	876.5	681.9
-37.5°	4040.7	3574.1	3103.5	2647.9	2199.5	1832.7	1521.0	1258.8	1035.2	838.3	654.4
-40°	3758.8	3312.0	2864.4	2435.0	2038.7	1696.2	1427.3	1191.3	985.9	797.5	624.3
-42.5°	3468.3	3037.0	2615.0	2209.6	1880.0	1585.0	1329.2	1118.7	933.9	758.2	591.7
-45°	3155.0	2746.7	2349.8	2019.8	1718.6	1467.4	1243.2	1043.4	878.4	717.9	557.9
-47.5°	2824.6	2440.6	2108.7	1821.9	1581.4	1349.1	1151.8	978.3	820.2	674.8	524.1
-50°	2474.7	2155.7	1886.7	1650.0	1433.5	1242.6	1060.8	910.1	766.8	627.1	488.6
-52.5°	2164.5	1908.9	1686.4	1483.8	1303.1	1130.6	982.3	840.2	711.8	581.5	451.6
-55°	1898.8	1689.3	1501.5	1332.8	1173.8	1034.5	900.8	778.1	655.3	535.7	414.1
-57.5°	1669.3	1486.2	1335.9	1189.4	1058.0	939.3	826.6	714.7	601.1	488.4	384.3
-60°	1448.8	1312.2	1178.4	1060.7	949.4	848.6	756.6	651.2	546.4	441.0	351.4
-62.5°	1258.4	1141.7	1040.6	937.9	845.6	763.5	686.0	589.2	490.2	397.1	315.6
-65°	1079.9	990.3	904.2	822.3	745.7	676.1	613.4	525.6	433.8	350.7	278.4
-67.5°	910.4	842.9	775.3	706.6	646.3	589.9	536.3	456.9	374.9	301.8	241.5
-70°	759.0	701.3	648.4	597.3	548.4	501.4	450.9	383.9	313.3	258.0	203.8
-72.5°	616.1	573.9	529.9	488.0	451.8	410.5	364.0	311.8	262.3	213.4	165.2
-75°	483.8	456.0	425.0	391.7	357.9	321.1	290.3	253.8	210.6	168.0	133.1
-77.5°	387.1	360.0	328.9	302.4	279.8	254.5	226.6	194.9	160.6	130.7	102.9
-80°	285.6	264.8	247.2	231.9	211.0	188.0	164.8	141.8	116.8	93.6	72.1
-82.5°	174.1	169.6	164.7	157.6	140.3	123.2	106.5	90.0	72.3	55.9	46.3
-85°	87.1	85.3	82.7	79.0	68.3	57.9	53.1	48.2	42.2	36.5	30.9
-87.5°	28.6	30.8	32.5	33.8	31.4	29.0	26.6	24.1	21.1	18.3	15.5
-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°	1.0	0.8	0.6	0.5	0.3	0.2	0.0
85°	1.9	1.6	1.3	1.0	0.6	0.4	0.0
82.5°	2.9	2.4	1.9	1.4	1.0	0.6	0.0
80°	3.7	3.2	2.6	1.9	1.3	0.8	0.0
77.5°	3.7	3.7	3.2	2.4	1.6	1.0	0.0
75°	3.7	3.8	3.7	2.9	1.9	1.2	0.0
72.5°	3.8	4.0	3.9	3.3	2.3	1.4	0.0
70°	3.9	4.1	4.1	3.7	2.6	1.6	0.0
67.5°	4.3	4.3	4.2	3.9	2.9	1.8	0.0
65°	5.0	4.9	4.4	4.1	3.3	2.0	0.0
62.5°	5.8	6.1	4.6	4.3	3.6	2.2	0.0
60°	6.8	7.4	4.8	4.5	3.9	2.4	0.0
57.5°	12.6	8.8	6.2	4.6	4.1	2.5	0.0
55°	20.1	10.4	7.8	4.8	4.3	2.7	0.0
52.5°	28.8	13.4	9.4	5.0	4.5	2.9	0.0
50°	38.8	22.8	11.1	5.2	4.8	3.1	0.0
47.5°	52.2	33.0	12.8	5.7	5.0	3.3	0.0
45°	78.7	43.9	14.6	7.1	5.2	3.4	0.0
42.5°	106.0	55.5	16.5	8.5	5.4	3.6	0.0
40°	133.8	67.7	22.3	10.3	5.7	3.8	0.0
37.5°	162.1	80.6	31.9	12.5	5.9	3.9	0.0
35°	190.9	100.2	41.6	15.0	6.1	4.1	0.0
32.5°	222.1	122.9	51.5	17.7	6.4	4.2	0.0
30°	257.8	145.4	61.5	20.6	6.6	4.4	0.0
27.5°	292.8	167.7	73.7	23.7	6.8	4.5	0.0
25°	326.9	189.6	86.3	27.0	7.1	4.6	0.0
22.5°	360.1	211.9	98.9	30.4	7.3	4.8	0.0
20°	392.1	235.9	111.3	33.9	7.6	4.9	0.0
17.5°	423.8	259.1	123.6	37.5	7.8	5.0	0.0
15°	454.2	281.4	135.5	41.1	8.0	5.1	0.0
12.5°	482.7	302.6	147.1	44.7	8.2	5.2	0.0
10°	509.1	322.7	158.1	48.2	8.5	5.3	0.0
7.5°	533.4	341.4	168.5	51.6	8.7	5.3	0.0
5°	555.4	358.7	178.2	54.8	8.8	5.4	0.0
2.5°	575.2	374.4	187.1	57.9	9.0	5.5	0.0
0°	592.7	388.4	195.1	60.7	9.2	5.5	0.0
-2.5°	601.4	397.3	202.5	64.7	10.6	5.8	0.0
-5°	607.7	404.2	208.8	68.3	12.1	6.1	0.0
-7.5°	611.8	409.3	214.0	71.5	13.4	6.4	0.0
-10°	613.6	412.5	217.9	74.4	14.8	6.7	0.0
-12.5°	613.3	413.8	220.5	76.8	16.0	6.9	0.0
-15°	610.8	413.2	221.8	78.7	17.2	7.2	0.0
-17.5°	606.4	410.7	221.6	80.0	18.3	7.4	0.0
-20°	599.4	406.3	220.0	80.8	19.3	7.5	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	589.4	400.1	216.9	81.1	20.3	7.7	0.0
-25°	577.1	390.5	212.3	80.7	21.1	7.8	0.0
-27.5°	562.4	378.5	206.1	79.7	21.7	7.9	0.0
-30°	545.5	364.9	198.3	78.1	22.3	7.9	0.0
-32.5°	526.2	349.6	189.3	75.8	22.7	8.0	0.0
-35°	505.4	332.8	179.3	72.8	23.0	8.0	0.0
-37.5°	483.1	315.9	168.3	69.2	23.2	7.9	0.0
-40°	459.0	300.5	156.2	64.9	23.2	7.8	0.0
-42.5°	433.2	284.1	147.1	60.2	23.1	7.7	0.0
-45°	405.8	266.6	140.9	55.5	22.8	7.6	0.0
-47.5°	376.9	248.1	133.5	50.1	22.4	7.4	0.0
-50°	352.7	228.6	125.1	48.3	21.8	7.2	0.0
-52.5°	328.5	208.2	115.5	47.4	21.1	6.9	0.0
-55°	303.3	192.8	105.0	45.9	20.3	6.6	0.0
-57.5°	277.2	177.1	93.4	43.9	19.3	6.3	0.0
-60°	250.7	160.0	81.2	41.4	18.2	5.9	0.0
-62.5°	226.5	141.5	75.5	38.4	17.1	5.5	0.0
-65°	200.6	121.8	68.9	35.1	15.9	5.1	0.0
-67.5°	173.0	105.3	61.6	31.3	14.6	4.7	0.0
-70°	144.0	92.1	53.5	27.1	13.2	4.2	0.0
-72.5°	121.8	78.0	44.9	23.9	11.7	3.8	0.0
-75°	99.5	63.0	35.7	20.8	10.2	3.3	0.0
-77.5°	76.2	47.2	29.5	17.5	8.6	2.7	0.0
-80°	52.0	36.0	23.9	14.2	6.9	2.2	0.0
-82.5°	38.2	27.2	18.0	10.7	5.2	1.7	0.0
-85°	25.6	18.2	12.1	7.2	3.5	1.1	0.0
-87.5°	12.8	9.2	6.1	3.6	1.8	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)