

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: HALO

Report Number: P670572 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLXL150FSUNVDBZSF-100W-3000K

Issue Date: 4/3/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P670572 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( )  
Test Lab: INNOVATION CENTER  
Issue Date: 4/3/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: GFLXL150FSUNVDBZSF-100W-3000K  
Description: SLIM LED FLOODLIGHT  
Light Source:  
Ballast/Driver: -

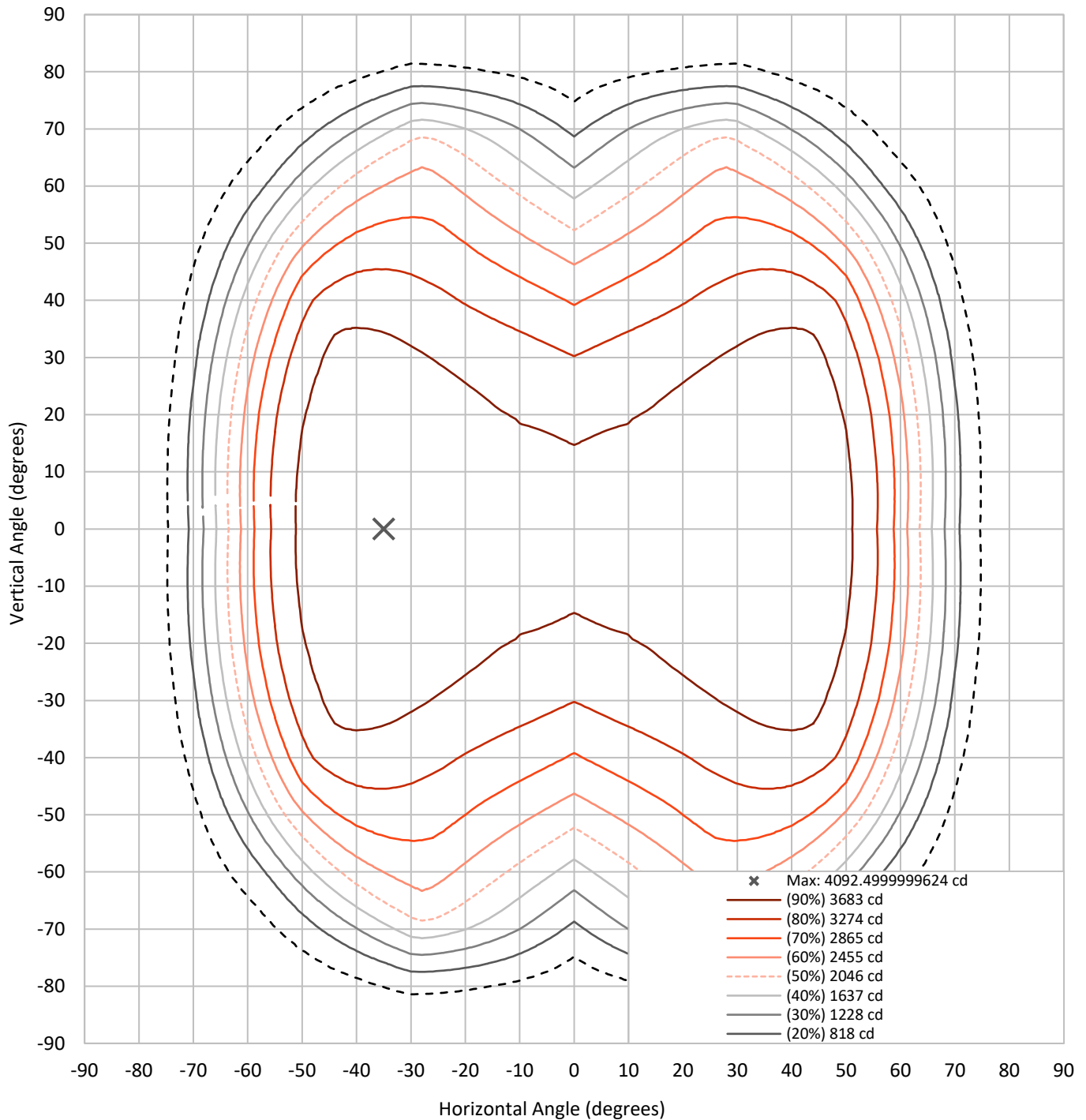
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	14077.3 lumens	Max Intensity:	4092.5 candela
Efficiency:	N/A	Max Intensity Angle:	-35°H x 0°V
Efficacy:	138.8 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 0.48' x L: 0.66' x H: 0.26')		
Beam Angle (50%):	127°H x 130.8°V	Field Angle (10%):	149.3°H x 160.3°V
Beam Lumens:	12218.7 lumens	Field Lumens:	13905.9 lumens
Beam Efficiency:	86.8%	Field Efficiency:	98.8%
Input Watts (W):	101.4		
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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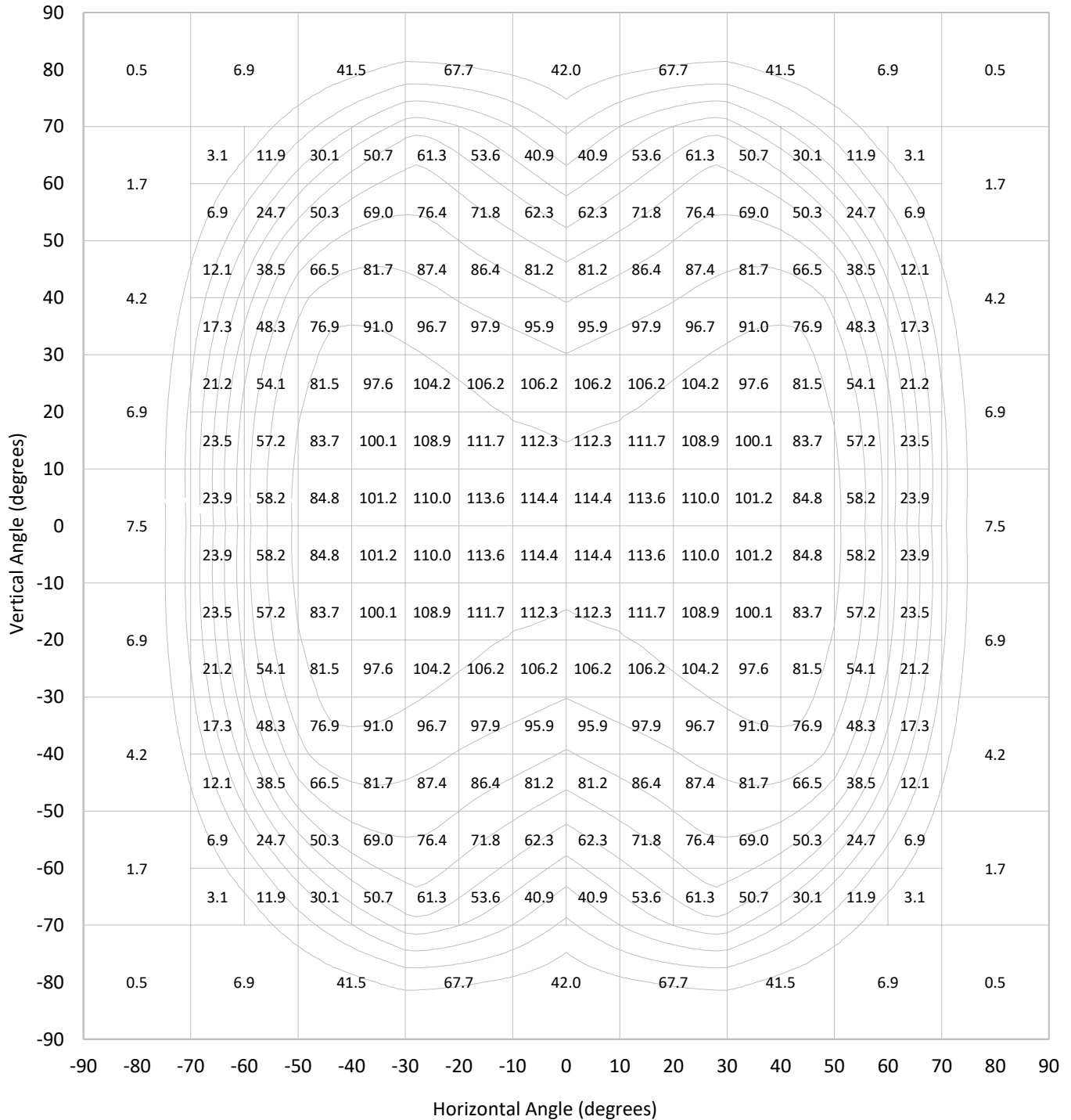
### Iso-Candela Plot





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### Lumen Table



Classified

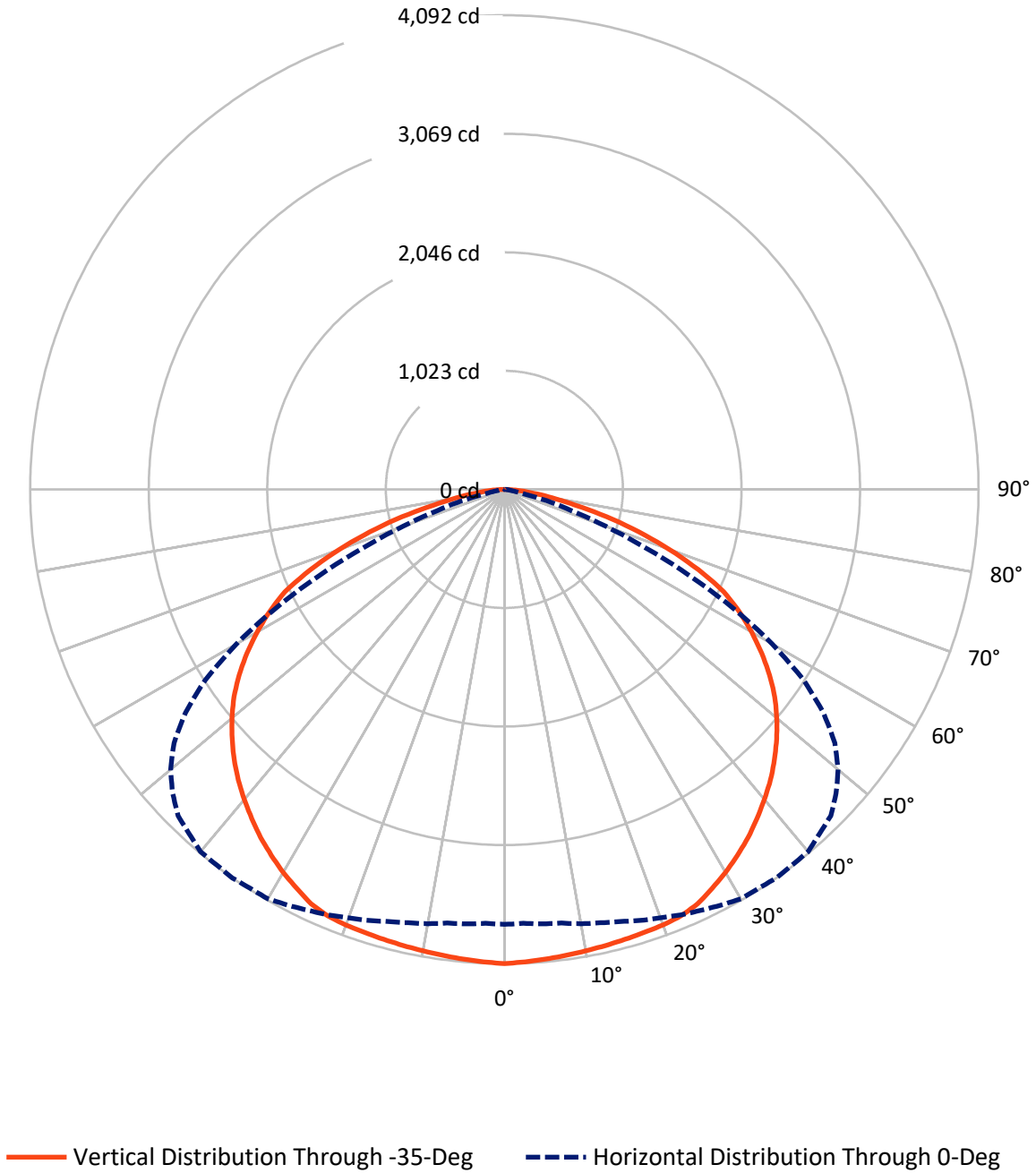
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Scaled Data Report



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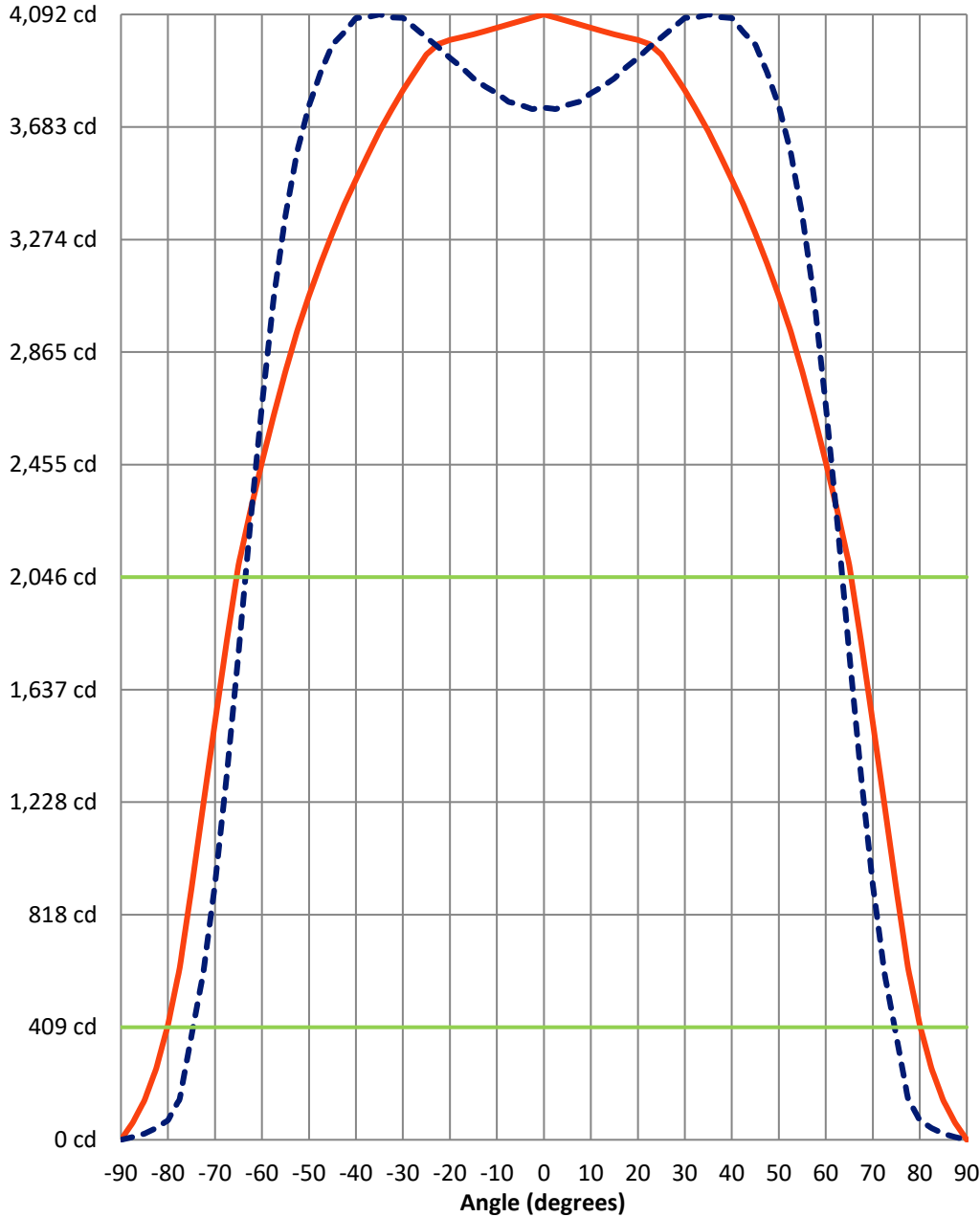
### Luminous Intensity Polar Plot





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### Luminous Intensity Plot



**Beam:**  
 H Angle: 127°  
 V Angle: 130.8°  
 Lumens: 12218.7  
 Efficiency: 86.8%

**Field:**  
 H Angle: 149.3°  
 V Angle: 160.3°  
 Lumens: 13905.9  
 Efficiency: 98.8%

**Spill:**  
 Lumens: 171.4  
 Efficiency: 1.2%

— Vertical Distribution through -35-Deg  
 - - Horizontal Distribution through 0-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	0.6	1.5	2.6	4.1	5.8	7.8	10.1	12.6	15.4	18.5
85°	0.0	1.2	2.9	5.2	8.1	11.6	15.6	20.2	25.2	30.8	36.9
82.5°	0.0	1.7	4.3	7.8	12.1	17.3	23.3	30.2	37.4	44.3	51.5
80°	0.0	2.3	5.8	10.4	16.1	23.0	30.7	38.2	46.2	54.8	63.8
77.5°	0.0	2.9	7.2	12.9	20.0	28.1	36.3	45.2	54.8	65.0	76.1
75°	0.0	3.4	8.5	15.3	23.6	32.3	41.8	52.1	63.3	75.9	89.0
72.5°	0.0	4.0	9.8	17.7	26.7	36.4	47.1	59.1	72.7	86.8	101.5
70°	0.0	4.5	11.1	19.9	29.6	40.4	52.4	66.7	81.8	97.8	131.5
67.5°	0.0	5.0	12.4	21.8	32.4	44.2	58.5	74.1	90.9	125.9	164.6
65°	0.0	5.5	13.6	23.7	35.1	48.4	64.4	81.3	113.3	152.7	206.2
62.5°	0.0	6.0	14.7	25.5	37.7	52.9	70.1	95.6	134.6	184.1	269.2
60°	0.0	6.4	15.8	27.2	40.1	57.3	75.5	112.2	154.8	235.8	329.2
57.5°	0.0	6.9	16.8	28.8	43.3	61.4	87.1	127.7	191.8	284.8	406.3
55°	0.0	7.3	17.7	30.3	46.3	65.3	98.9	142.2	231.2	337.4	490.1
52.5°	0.0	7.7	18.6	31.7	49.2	69.8	109.8	171.4	268.1	409.6	570.8
50°	0.0	8.1	19.4	33.0	51.8	77.8	119.8	200.5	310.4	478.9	675.4
47.5°	0.0	8.4	20.2	34.4	54.3	85.1	130.8	227.4	369.0	545.1	776.8
45°	0.0	8.7	20.9	36.1	56.6	91.8	151.7	252.1	424.6	628.7	871.4
42.5°	0.0	9.0	21.5	37.6	58.7	97.8	170.8	288.2	477.3	706.8	980.3
40°	0.0	9.3	22.1	39.1	61.8	103.1	188.0	331.5	531.4	778.8	1084.9
37.5°	0.0	9.5	22.6	40.4	65.7	107.7	203.4	372.0	590.0	850.2	1181.1
35°	0.0	9.7	23.0	41.5	69.1	116.8	217.0	409.6	643.2	929.5	1274.2
32.5°	0.0	9.9	23.4	42.5	72.0	127.2	234.0	444.3	691.0	1001.4	1366.9
30°	0.0	10.1	23.7	43.4	74.4	136.4	261.2	477.4	733.2	1065.6	1450.4
27.5°	0.0	10.2	23.9	44.1	76.4	144.1	285.9	511.4	775.6	1122.2	1524.5
25°	0.0	10.3	24.1	44.7	77.8	150.5	307.9	540.9	821.0	1178.1	1589.4
22.5°	0.0	10.4	24.2	45.1	78.9	155.6	327.2	565.9	859.9	1229.4	1648.7
20°	0.0	10.5	24.2	45.4	79.5	159.4	343.8	586.6	892.3	1272.3	1699.1
17.5°	0.0	10.5	24.2	45.5	79.7	162.0	357.7	602.9	918.2	1307.0	1740.2
15°	0.0	10.5	24.1	45.5	79.5	163.3	368.8	614.9	937.8	1333.4	1772.0
12.5°	0.0	10.5	23.9	45.4	78.9	163.5	377.2	622.8	951.1	1351.6	1794.6
10°	0.0	10.4	23.7	45.1	77.9	162.6	382.8	626.6	958.2	1361.6	1807.7
7.5°	0.0	10.3	23.4	44.7	76.7	160.7	385.7	626.6	959.3	1363.7	1811.5
5°	0.0	10.2	23.1	44.1	75.1	157.8	385.8	623.0	954.7	1358.0	1806.0
2.5°	0.0	10.1	22.7	43.5	73.2	153.9	383.1	615.7	944.4	1344.8	1791.2
0°	0.0	10.0	22.3	42.7	71.1	149.3	377.8	605.2	928.8	1324.1	1767.3
-2.5°	0.0	10.1	22.7	43.5	73.2	153.9	383.1	615.7	944.4	1344.8	1791.2
-5°	0.0	10.2	23.1	44.1	75.1	157.8	385.8	623.0	954.7	1358.0	1806.0
-7.5°	0.0	10.3	23.4	44.7	76.7	160.7	385.7	626.6	959.3	1363.7	1811.5
-10°	0.0	10.4	23.7	45.1	77.9	162.6	382.8	626.6	958.2	1361.6	1807.7
-12.5°	0.0	10.5	23.9	45.4	78.9	163.5	377.2	622.8	951.1	1351.6	1794.6
-15°	0.0	10.5	24.1	45.5	79.5	163.3	368.8	614.9	937.8	1333.4	1772.0
-17.5°	0.0	10.5	24.2	45.5	79.7	162.0	357.7	602.9	918.2	1307.0	1740.2
-20°	0.0	10.5	24.2	45.4	79.5	159.4	343.8	586.6	892.3	1272.3	1699.1



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 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-3000K

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	10.4	24.2	45.1	78.9	155.6	327.2	565.9	859.9	1229.4	1648.7
-25°	0.0	10.3	24.1	44.7	77.8	150.5	307.9	540.9	821.0	1178.1	1589.4
-27.5°	0.0	10.2	23.9	44.1	76.4	144.1	285.9	511.4	775.6	1122.2	1524.5
-30°	0.0	10.1	23.7	43.4	74.4	136.4	261.2	477.4	733.2	1065.6	1450.4
-32.5°	0.0	9.9	23.4	42.5	72.0	127.2	234.0	444.3	691.0	1001.4	1366.9
-35°	0.0	9.7	23.0	41.5	69.1	116.8	217.0	409.6	643.2	929.5	1274.2
-37.5°	0.0	9.5	22.6	40.4	65.7	107.7	203.4	372.0	590.0	850.2	1181.1
-40°	0.0	9.3	22.1	39.1	61.8	103.1	188.0	331.5	531.4	778.8	1084.9
-42.5°	0.0	9.0	21.5	37.6	58.7	97.8	170.8	288.2	477.3	706.8	980.3
-45°	0.0	8.7	20.9	36.1	56.6	91.8	151.7	252.1	424.6	628.7	871.4
-47.5°	0.0	8.4	20.2	34.4	54.3	85.1	130.8	227.4	369.0	545.1	776.8
-50°	0.0	8.1	19.4	33.0	51.8	77.8	119.8	200.5	310.4	478.9	675.4
-52.5°	0.0	7.7	18.6	31.7	49.2	69.8	109.8	171.4	268.1	409.6	570.8
-55°	0.0	7.3	17.7	30.3	46.3	65.3	98.9	142.2	231.2	337.4	490.1
-57.5°	0.0	6.9	16.8	28.8	43.3	61.4	87.1	127.7	191.8	284.8	406.3
-60°	0.0	6.4	15.8	27.2	40.1	57.3	75.5	112.2	154.8	235.8	329.2
-62.5°	0.0	6.0	14.7	25.5	37.7	52.9	70.1	95.6	134.6	184.1	269.2
-65°	0.0	5.5	13.6	23.7	35.1	48.4	64.4	81.3	113.3	152.7	206.2
-67.5°	0.0	5.0	12.4	21.8	32.4	44.2	58.5	74.1	90.9	125.9	164.6
-70°	0.0	4.5	11.1	19.9	29.6	40.4	52.4	66.7	81.8	97.8	131.5
-72.5°	0.0	4.0	9.8	17.7	26.7	36.4	47.1	59.1	72.7	86.8	101.5
-75°	0.0	3.4	8.5	15.3	23.6	32.3	41.8	52.1	63.3	75.9	89.0
-77.5°	0.0	2.9	7.2	12.9	20.0	28.1	36.3	45.2	54.8	65.0	76.1
-80°	0.0	2.3	5.8	10.4	16.1	23.0	30.7	38.2	46.2	54.8	63.8
-82.5°	0.0	1.7	4.3	7.8	12.1	17.3	23.3	30.2	37.4	44.3	51.5
-85°	0.0	1.2	2.9	5.2	8.1	11.6	15.6	20.2	25.2	30.8	36.9
-87.5°	0.0	0.6	1.5	2.6	4.1	5.8	7.8	10.1	12.6	15.4	18.5
-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: P670572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-3000K

**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°	21.8	25.3	28.5	31.9	35.5	39.1	42.8	46.6	50.5	54.4	58.4
85°	43.4	50.4	56.0	62.6	70.1	78.4	87.7	97.6	108.2	119.4	131.3
82.5°	59.1	67.0	77.4	89.6	103.1	117.9	134.8	155.9	179.1	204.2	231.0
80°	73.4	83.3	99.2	119.6	143.7	171.3	202.1	236.0	272.7	316.3	366.2
77.5°	88.0	100.1	122.3	151.8	188.0	238.7	293.3	351.7	413.4	478.2	545.7
75°	102.6	116.5	156.8	210.4	269.5	333.8	406.0	500.4	598.8	700.7	805.7
72.5°	128.4	162.4	210.8	275.9	369.9	472.8	581.6	695.8	819.5	949.8	1082.5
70°	168.4	208.4	284.6	390.2	503.4	627.6	766.2	909.5	1056.8	1210.0	1365.9
67.5°	213.4	291.8	381.2	505.4	649.9	800.9	957.6	1137.3	1313.2	1484.9	1652.1
65°	288.9	377.7	485.8	638.6	799.1	995.7	1192.2	1384.6	1578.2	1763.0	1937.6
62.5°	361.3	481.4	606.6	783.2	1000.3	1213.6	1433.8	1647.5	1850.2	2017.7	2161.1
60°	454.7	589.6	755.0	970.5	1205.8	1452.2	1686.9	1897.5	2080.6	2239.1	2363.1
57.5°	550.4	722.2	930.2	1165.3	1435.0	1692.2	1927.0	2134.4	2304.5	2445.8	2557.1
55°	658.1	872.9	1110.6	1380.0	1664.1	1931.3	2165.5	2360.4	2525.3	2642.0	2734.3
52.5°	786.4	1022.7	1303.2	1597.2	1900.5	2168.0	2395.7	2580.5	2721.1	2828.0	2894.4
50°	907.4	1189.1	1489.5	1815.5	2133.5	2399.7	2614.1	2784.2	2904.5	2990.2	3042.7
47.5°	1042.4	1346.3	1680.1	2020.6	2352.1	2616.6	2821.3	2964.4	3073.6	3136.5	3178.8
45°	1176.1	1506.5	1860.2	2209.1	2542.7	2822.5	2999.8	3136.6	3217.7	3273.7	3293.2
42.5°	1301.0	1661.2	2026.0	2387.7	2708.0	2989.7	3171.4	3279.6	3354.7	3389.4	3402.8
40°	1430.6	1805.5	2181.5	2535.2	2856.9	3117.9	3315.9	3419.2	3471.1	3498.0	3507.3
37.5°	1552.4	1939.0	2323.4	2676.0	2973.7	3226.1	3433.1	3534.0	3579.7	3602.4	3596.6
35°	1664.2	2062.9	2445.8	2793.5	3087.0	3320.3	3501.8	3640.0	3682.2	3690.9	3684.7
32.5°	1767.4	2177.0	2560.7	2893.0	3174.2	3403.5	3568.8	3691.8	3772.6	3778.9	3768.5
30°	1862.0	2274.3	2661.4	2987.9	3257.1	3464.4	3621.7	3740.7	3821.7	3859.4	3844.4
27.5°	1947.1	2362.9	2740.9	3063.9	3331.6	3524.8	3670.3	3776.4	3853.2	3908.4	3916.6
25°	2022.5	2443.2	2814.5	3131.0	3382.9	3571.6	3714.2	3812.7	3882.5	3930.0	3956.2
22.5°	2086.9	2514.5	2881.8	3193.9	3431.9	3612.7	3745.4	3840.1	3908.3	3953.2	3971.1
20°	2141.4	2565.4	2935.1	3248.1	3478.2	3652.2	3775.9	3865.8	3929.8	3967.1	3986.9
17.5°	2187.1	2609.1	2977.4	3282.1	3510.2	3682.8	3803.8	3890.9	3952.2	3981.5	4004.0
15°	2223.6	2645.0	3013.5	3311.7	3536.8	3704.3	3822.9	3909.5	3968.8	3996.3	4022.1
12.5°	2250.7	2672.7	3042.6	3336.4	3559.6	3723.2	3840.2	3926.6	3980.8	4011.8	4032.0
10°	2268.1	2691.7	3064.2	3355.3	3578.0	3739.1	3855.3	3942.7	3992.4	4027.3	4042.0
7.5°	2275.6	2701.4	3077.5	3367.9	3591.4	3751.2	3867.5	3957.0	4003.1	4042.3	4052.2
5°	2272.9	2701.5	3081.9	3373.5	3598.9	3759.1	3876.5	3968.9	4012.8	4056.4	4062.5
2.5°	2259.9	2691.5	3076.6	3371.2	3600.0	3762.1	3881.6	3977.7	4021.0	4069.0	4072.8
0°	2236.4	2670.9	3061.1	3360.4	3593.9	3759.7	3882.3	3982.9	4027.5	4079.4	4082.9
-2.5°	2259.9	2691.5	3076.6	3371.2	3600.0	3762.1	3881.6	3977.7	4021.0	4069.0	4072.8
-5°	2272.9	2701.5	3081.9	3373.5	3598.9	3759.1	3876.5	3968.9	4012.8	4056.4	4062.5
-7.5°	2275.6	2701.4	3077.5	3367.9	3591.4	3751.2	3867.5	3957.0	4003.1	4042.3	4052.2
-10°	2268.1	2691.7	3064.2	3355.3	3578.0	3739.1	3855.3	3942.7	3992.4	4027.3	4042.0
-12.5°	2250.7	2672.7	3042.6	3336.4	3559.6	3723.2	3840.2	3926.6	3980.8	4011.8	4032.0
-15°	2223.6	2645.0	3013.5	3311.7	3536.8	3704.3	3822.9	3909.5	3968.8	3996.3	4022.1
-17.5°	2187.1	2609.1	2977.4	3282.1	3510.2	3682.8	3803.8	3890.9	3952.2	3981.5	4004.0
-20°	2141.4	2565.4	2935.1	3248.1	3478.2	3652.2	3775.9	3865.8	3929.8	3967.1	3986.9



REPORT NUMBER: P670572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-3000K

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2086.9	2514.5	2881.8	3193.9	3431.9	3612.7	3745.4	3840.1	3908.3	3953.2	3971.1
-25°	2022.5	2443.2	2814.5	3131.0	3382.9	3571.6	3714.2	3812.7	3882.5	3930.0	3956.2
-27.5°	1947.1	2362.9	2740.9	3063.9	3331.6	3524.8	3670.3	3776.4	3853.2	3908.4	3916.6
-30°	1862.0	2274.3	2661.4	2987.9	3257.1	3464.4	3621.7	3740.7	3821.7	3859.4	3844.4
-32.5°	1767.4	2177.0	2560.7	2893.0	3174.2	3403.5	3568.8	3691.8	3772.6	3778.9	3768.5
-35°	1664.2	2062.9	2445.8	2793.5	3087.0	3320.3	3501.8	3640.0	3682.2	3690.9	3684.7
-37.5°	1552.4	1939.0	2323.4	2676.0	2973.7	3226.1	3433.1	3534.0	3579.7	3602.4	3596.6
-40°	1430.6	1805.5	2181.5	2535.2	2856.9	3117.9	3315.9	3419.2	3471.1	3498.0	3507.3
-42.5°	1301.0	1661.2	2026.0	2387.7	2708.0	2989.7	3171.4	3279.6	3354.7	3389.4	3402.8
-45°	1176.1	1506.5	1860.2	2209.1	2542.7	2822.5	2999.8	3136.6	3217.7	3273.7	3293.2
-47.5°	1042.4	1346.3	1680.1	2020.6	2352.1	2616.6	2821.3	2964.4	3073.6	3136.5	3178.8
-50°	907.4	1189.1	1489.5	1815.5	2133.5	2399.7	2614.1	2784.2	2904.5	2990.2	3042.7
-52.5°	786.4	1022.7	1303.2	1597.2	1900.5	2168.0	2395.7	2580.5	2721.1	2828.0	2894.4
-55°	658.1	872.9	1110.6	1380.0	1664.1	1931.3	2165.5	2360.4	2525.3	2642.0	2734.3
-57.5°	550.4	722.2	930.2	1165.3	1435.0	1692.2	1927.0	2134.4	2304.5	2445.8	2557.1
-60°	454.7	589.6	755.0	970.5	1205.8	1452.2	1686.9	1897.5	2080.6	2239.1	2363.1
-62.5°	361.3	481.4	606.6	783.2	1000.3	1213.6	1433.8	1647.5	1850.2	2017.7	2161.1
-65°	288.9	377.7	485.8	638.6	799.1	995.7	1192.2	1384.6	1578.2	1763.0	1937.6
-67.5°	213.4	291.8	381.2	505.4	649.9	800.9	957.6	1137.3	1313.2	1484.9	1652.1
-70°	168.4	208.4	284.6	390.2	503.4	627.6	766.2	909.5	1056.8	1210.0	1365.9
-72.5°	128.4	162.4	210.8	275.9	369.9	472.8	581.6	695.8	819.5	949.8	1082.5
-75°	102.6	116.5	156.8	210.4	269.5	333.8	406.0	500.4	598.8	700.7	805.7
-77.5°	88.0	100.1	122.3	151.8	188.0	238.7	293.3	351.7	413.4	478.2	545.7
-80°	73.4	83.3	99.2	119.6	143.7	171.3	202.1	236.0	272.7	316.3	366.2
-82.5°	59.1	67.0	77.4	89.6	103.1	117.9	134.8	155.9	179.1	204.2	231.0
-85°	43.4	50.4	56.0	62.6	70.1	78.4	87.7	97.6	108.2	119.4	131.3
-87.5°	21.8	25.3	28.5	31.9	35.5	39.1	42.8	46.6	50.5	54.4	58.4
-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: P670572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-3000K

**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°	62.3	66.3	70.3	68.9	67.3	65.3	63.3	60.9	58.3	55.5	52.5
85°	143.5	156.2	169.2	165.7	160.5	154.4	147.5	139.8	131.4	122.3	112.8
82.5°	259.4	289.0	319.6	315.5	305.5	293.1	278.5	261.8	243.3	223.2	201.8
80°	418.0	471.2	525.6	524.2	508.4	488.1	463.6	435.4	403.9	369.4	332.3
77.5°	625.4	711.8	799.1	810.5	790.7	763.0	728.0	686.3	638.5	585.5	527.7
75°	913.1	1023.8	1138.0	1161.4	1129.3	1087.4	1036.3	976.8	909.8	835.9	756.0
72.5°	1216.9	1352.6	1487.7	1525.5	1475.2	1414.7	1344.7	1265.9	1179.1	1085.2	984.7
70°	1517.5	1664.7	1807.1	1868.5	1803.4	1728.6	1644.5	1551.6	1450.8	1342.6	1227.6
67.5°	1812.2	1963.4	2105.6	2194.3	2103.5	1998.7	1890.9	1779.9	1665.7	1548.2	1427.4
65°	2089.4	2206.0	2305.7	2381.5	2283.2	2176.1	2066.8	1955.1	1841.0	1724.1	1604.3
62.5°	2283.8	2380.9	2455.6	2512.7	2434.9	2330.6	2223.2	2114.4	2003.8	1890.9	1775.4
60°	2464.0	2542.8	2593.5	2626.4	2572.5	2472.5	2369.6	2265.7	2160.3	2053.0	1943.2
57.5°	2634.2	2690.1	2723.9	2736.8	2701.3	2605.9	2508.0	2408.6	2308.8	2207.8	2105.1
55°	2794.2	2828.8	2846.8	2843.3	2816.9	2724.8	2633.3	2541.2	2449.0	2355.9	2261.2
52.5°	2941.3	2957.2	2957.2	2942.4	2913.3	2835.8	2751.6	2667.7	2583.6	2498.6	2411.8
50°	3069.0	3075.4	3061.5	3037.5	3002.9	2942.3	2865.8	2788.7	2710.8	2632.8	2553.7
47.5°	3187.0	3182.2	3162.2	3132.7	3093.9	3039.9	2967.8	2898.4	2831.2	2763.0	2693.1
45°	3297.0	3283.8	3259.8	3221.6	3177.3	3130.6	3071.4	3012.0	2949.2	2886.2	2822.8
42.5°	3399.9	3378.7	3347.2	3310.2	3269.4	3221.1	3163.9	3107.3	3053.2	2999.3	2943.8
40°	3491.7	3468.0	3437.1	3399.8	3351.3	3299.9	3249.7	3202.9	3156.1	3107.9	3058.3
37.5°	3580.8	3556.5	3520.5	3477.0	3431.4	3385.2	3337.0	3293.1	3252.0	3208.2	3163.7
35°	3667.2	3635.3	3596.8	3554.5	3511.5	3467.0	3420.5	3374.4	3336.9	3299.2	3260.6
32.5°	3743.5	3709.7	3670.0	3629.6	3588.6	3542.5	3496.4	3449.2	3415.2	3382.5	3348.0
30°	3816.7	3778.9	3740.8	3701.6	3656.6	3612.7	3569.0	3523.6	3485.2	3456.7	3428.0
27.5°	3882.3	3846.1	3808.8	3764.4	3722.0	3680.7	3635.8	3592.6	3550.5	3527.1	3501.0
25°	3946.6	3911.8	3867.9	3826.0	3785.1	3740.4	3697.3	3656.7	3614.9	3582.8	3560.7
22.5°	3984.5	3968.9	3926.1	3886.4	3840.1	3795.1	3753.2	3712.8	3670.8	3630.5	3612.4
20°	3999.8	3995.7	3983.9	3937.9	3890.3	3845.3	3805.2	3759.4	3718.0	3687.0	3664.0
17.5°	4009.7	4007.8	4002.4	3986.8	3936.0	3894.5	3844.9	3799.4	3768.6	3731.8	3696.5
15°	4020.0	4020.6	4009.4	3991.7	3973.8	3934.6	3877.4	3844.1	3802.7	3767.1	3742.7
12.5°	4031.8	4031.1	4017.1	3999.8	3981.8	3945.3	3918.8	3875.0	3832.0	3803.3	3772.5
10°	4044.0	4039.5	4026.0	4008.4	3981.9	3946.5	3927.0	3893.7	3861.8	3825.9	3795.7
7.5°	4056.4	4048.8	4037.3	4016.4	3983.0	3952.8	3923.8	3893.3	3869.7	3845.2	3813.4
5°	4068.7	4059.0	4050.3	4024.5	3987.9	3958.6	3923.5	3893.6	3864.1	3838.6	3816.7
2.5°	4080.8	4070.0	4064.8	4033.5	3996.6	3965.2	3926.9	3895.4	3860.1	3832.6	3808.7
0°	4092.5	4081.9	4080.0	4044.5	4008.9	3974.1	3934.6	3900.3	3860.2	3830.6	3805.8
-2.5°	4080.8	4070.0	4064.8	4033.5	3996.6	3965.2	3926.9	3895.4	3860.1	3832.6	3808.7
-5°	4068.7	4059.0	4050.3	4024.5	3987.9	3958.6	3923.5	3893.6	3864.1	3838.6	3816.7
-7.5°	4056.4	4048.8	4037.3	4016.4	3983.0	3952.8	3923.8	3893.3	3869.7	3845.2	3813.4
-10°	4044.0	4039.5	4026.0	4008.4	3981.9	3946.5	3927.0	3893.7	3861.8	3825.9	3795.7
-12.5°	4031.8	4031.1	4017.1	3999.8	3981.8	3945.3	3918.8	3875.0	3832.0	3803.3	3772.5
-15°	4020.0	4020.6	4009.4	3991.7	3973.8	3934.6	3877.4	3844.1	3802.7	3767.1	3742.7
-17.5°	4009.7	4007.8	4002.4	3986.8	3936.0	3894.5	3844.9	3799.4	3768.6	3731.8	3696.5
-20°	3999.8	3995.7	3983.9	3937.9	3890.3	3845.3	3805.2	3759.4	3718.0	3687.0	3664.0



REPORT NUMBER: P670572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-3000K

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3984.5	3968.9	3926.1	3886.4	3840.1	3795.1	3753.2	3712.8	3670.8	3630.5	3612.4
-25°	3946.6	3911.8	3867.9	3826.0	3785.1	3740.4	3697.3	3656.7	3614.9	3582.8	3560.7
-27.5°	3882.3	3846.1	3808.8	3764.4	3722.0	3680.7	3635.8	3592.6	3550.5	3527.1	3501.0
-30°	3816.7	3778.9	3740.8	3701.6	3656.6	3612.7	3569.0	3523.6	3485.2	3456.7	3428.0
-32.5°	3743.5	3709.7	3670.0	3629.6	3588.6	3542.5	3496.4	3449.2	3415.2	3382.5	3348.0
-35°	3667.2	3635.3	3596.8	3554.5	3511.5	3467.0	3420.5	3374.4	3336.9	3299.2	3260.6
-37.5°	3580.8	3556.5	3520.5	3477.0	3431.4	3385.2	3337.0	3293.1	3252.0	3208.2	3163.7
-40°	3491.7	3468.0	3437.1	3399.8	3351.3	3299.9	3249.7	3202.9	3156.1	3107.9	3058.3
-42.5°	3399.9	3378.7	3347.2	3310.2	3269.4	3221.1	3163.9	3107.3	3053.2	2999.3	2943.8
-45°	3297.0	3283.8	3259.8	3221.6	3177.3	3130.6	3071.4	3012.0	2949.2	2886.2	2822.8
-47.5°	3187.0	3182.2	3162.2	3132.7	3093.9	3039.9	2967.8	2898.4	2831.2	2763.0	2693.1
-50°	3069.0	3075.4	3061.5	3037.5	3002.9	2942.3	2865.8	2788.7	2710.8	2632.8	2553.7
-52.5°	2941.3	2957.2	2957.2	2942.4	2913.3	2835.8	2751.6	2667.7	2583.6	2498.6	2411.8
-55°	2794.2	2828.8	2846.8	2843.3	2816.9	2724.8	2633.3	2541.2	2449.0	2355.9	2261.2
-57.5°	2634.2	2690.1	2723.9	2736.8	2701.3	2605.9	2508.0	2408.6	2308.8	2207.8	2105.1
-60°	2464.0	2542.8	2593.5	2626.4	2572.5	2472.5	2369.6	2265.7	2160.3	2053.0	1943.2
-62.5°	2283.8	2380.9	2455.6	2512.7	2434.9	2330.6	2223.2	2114.4	2003.8	1890.9	1775.4
-65°	2089.4	2206.0	2305.7	2381.5	2283.2	2176.1	2066.8	1955.1	1841.0	1724.1	1604.3
-67.5°	1812.2	1963.4	2105.6	2194.3	2103.5	1998.7	1890.9	1779.9	1665.7	1548.2	1427.4
-70°	1517.5	1664.7	1807.1	1868.5	1803.4	1728.6	1644.5	1551.6	1450.8	1342.6	1227.6
-72.5°	1216.9	1352.6	1487.7	1525.5	1475.2	1414.7	1344.7	1265.9	1179.1	1085.2	984.7
-75°	913.1	1023.8	1138.0	1161.4	1129.3	1087.4	1036.3	976.8	909.8	835.9	756.0
-77.5°	625.4	711.8	799.1	810.5	790.7	763.0	728.0	686.3	638.5	585.5	527.7
-80°	418.0	471.2	525.6	524.2	508.4	488.1	463.6	435.4	403.9	369.4	332.3
-82.5°	259.4	289.0	319.6	315.5	305.5	293.1	278.5	261.8	243.3	223.2	201.8
-85°	143.5	156.2	169.2	165.7	160.5	154.4	147.5	139.8	131.4	122.3	112.8
-87.5°	62.3	66.3	70.3	68.9	67.3	65.3	63.3	60.9	58.3	55.5	52.5
-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: P670572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-3000K

**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°	49.4	46.1	42.8	39.3	42.8	46.1	49.4	52.5	55.5	58.3	60.9
85°	102.8	92.3	81.7	70.8	81.7	92.3	102.8	112.8	122.3	131.4	139.8
82.5°	179.1	155.6	131.4	106.7	131.4	155.6	179.1	201.8	223.2	243.3	261.8
80°	293.0	251.9	209.6	166.3	209.6	251.9	293.0	332.3	369.4	403.9	435.4
77.5°	466.0	401.1	333.7	264.7	333.7	401.1	466.0	527.7	585.5	638.5	686.3
75°	671.0	581.8	489.2	394.2	489.2	581.8	671.0	756.0	835.9	909.8	976.8
72.5°	878.7	768.0	653.6	536.3	653.6	768.0	878.7	984.7	1085.2	1179.1	1265.9
70°	1106.7	980.6	850.0	715.8	850.0	980.6	1106.7	1227.6	1342.6	1450.8	1551.6
67.5°	1303.2	1175.6	1044.4	909.8	1044.4	1175.6	1303.2	1427.4	1548.2	1665.7	1779.9
65°	1481.4	1355.2	1225.6	1092.4	1225.6	1355.2	1481.4	1604.3	1724.1	1841.0	1955.1
62.5°	1657.0	1535.4	1410.1	1280.9	1410.1	1535.4	1657.0	1775.4	1890.9	2003.8	2114.4
60°	1830.5	1714.4	1594.4	1470.2	1594.4	1714.4	1830.5	1943.2	2053.0	2160.3	2265.7
57.5°	1999.8	1891.2	1778.8	1661.6	1778.8	1891.2	1999.8	2105.1	2207.8	2308.8	2408.6
55°	2164.0	2063.5	1958.9	1849.4	1958.9	2063.5	2164.0	2261.2	2355.9	2449.0	2541.2
52.5°	2322.5	2229.8	2132.7	2030.4	2132.7	2229.8	2322.5	2411.8	2498.6	2583.6	2667.7
50°	2472.5	2388.1	2299.5	2205.5	2299.5	2388.1	2472.5	2553.7	2632.8	2710.8	2788.7
47.5°	2620.5	2544.1	2462.9	2375.8	2462.9	2544.1	2620.5	2693.1	2763.0	2831.2	2898.4
45°	2757.5	2689.2	2616.5	2538.0	2616.5	2689.2	2757.5	2822.8	2886.2	2949.2	3012.0
42.5°	2885.6	2823.6	2756.9	2684.3	2756.9	2823.6	2885.6	2943.8	2999.3	3053.2	3107.3
40°	3006.1	2950.4	2889.7	2823.0	2889.7	2950.4	3006.1	3058.3	3107.9	3156.1	3202.9
37.5°	3117.1	3067.2	3012.7	2952.1	3012.7	3067.2	3117.1	3163.7	3208.2	3252.0	3293.1
35°	3220.3	3176.8	3128.7	3074.5	3128.7	3176.8	3220.3	3260.6	3299.2	3336.9	3374.4
32.5°	3311.5	3271.8	3227.7	3177.8	3227.7	3271.8	3311.5	3348.0	3382.5	3415.2	3449.2
30°	3397.9	3365.0	3327.5	3283.8	3327.5	3365.0	3397.9	3428.0	3456.7	3485.2	3523.6
27.5°	3475.0	3447.3	3416.0	3378.9	3416.0	3447.3	3475.0	3501.0	3527.1	3550.5	3592.6
25°	3536.8	3510.5	3480.6	3445.8	3480.6	3510.5	3536.8	3560.7	3582.8	3614.9	3656.7
22.5°	3595.5	3576.6	3553.6	3524.6	3553.6	3576.6	3595.5	3612.4	3630.5	3670.8	3712.8
20°	3647.4	3633.3	3618.4	3598.8	3618.4	3633.3	3647.4	3664.0	3687.0	3718.0	3759.4
17.5°	3687.8	3676.8	3661.0	3639.8	3661.0	3676.8	3687.8	3696.5	3731.8	3768.6	3799.4
15°	3722.2	3708.7	3694.6	3677.4	3694.6	3708.7	3722.2	3742.7	3767.1	3802.7	3844.1
12.5°	3746.9	3738.2	3731.1	3720.0	3731.1	3738.2	3746.9	3772.5	3803.3	3832.0	3875.0
10°	3774.8	3752.8	3739.9	3727.0	3739.9	3752.8	3774.8	3795.7	3825.9	3861.8	3893.7
7.5°	3783.9	3763.8	3759.2	3759.0	3759.2	3763.8	3783.9	3813.4	3845.2	3869.7	3893.3
5°	3794.6	3775.7	3769.1	3760.5	3769.1	3775.7	3794.6	3816.7	3838.6	3864.1	3893.6
2.5°	3787.5	3771.9	3763.7	3768.4	3763.7	3771.9	3787.5	3808.7	3832.6	3860.1	3895.4
0°	3775.0	3763.6	3748.5	3753.5	3748.5	3763.6	3775.0	3805.8	3830.6	3860.2	3900.3
-2.5°	3787.5	3771.9	3763.7	3768.4	3763.7	3771.9	3787.5	3808.7	3832.6	3860.1	3895.4
-5°	3794.6	3775.7	3769.1	3760.5	3769.1	3775.7	3794.6	3816.7	3838.6	3864.1	3893.6
-7.5°	3783.9	3763.8	3759.2	3759.0	3759.2	3763.8	3783.9	3813.4	3845.2	3869.7	3893.3
-10°	3774.8	3752.8	3739.9	3727.0	3739.9	3752.8	3774.8	3795.7	3825.9	3861.8	3893.7
-12.5°	3746.9	3738.2	3731.1	3720.0	3731.1	3738.2	3746.9	3772.5	3803.3	3832.0	3875.0
-15°	3722.2	3708.7	3694.6	3677.4	3694.6	3708.7	3722.2	3742.7	3767.1	3802.7	3844.1
-17.5°	3687.8	3676.8	3661.0	3639.8	3661.0	3676.8	3687.8	3696.5	3731.8	3768.6	3799.4
-20°	3647.4	3633.3	3618.4	3598.8	3618.4	3633.3	3647.4	3664.0	3687.0	3718.0	3759.4

Classified

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

Scaled Data Report



REPORT NUMBER: P670572 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-3000K

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3595.5	3576.6	3553.6	3524.6	3553.6	3576.6	3595.5	3612.4	3630.5	3670.8	3712.8
-25°	3536.8	3510.5	3480.6	3445.8	3480.6	3510.5	3536.8	3560.7	3582.8	3614.9	3656.7
-27.5°	3475.0	3447.3	3416.0	3378.9	3416.0	3447.3	3475.0	3501.0	3527.1	3550.5	3592.6
-30°	3397.9	3365.0	3327.5	3283.8	3327.5	3365.0	3397.9	3428.0	3456.7	3485.2	3523.6
-32.5°	3311.5	3271.8	3227.7	3177.8	3227.7	3271.8	3311.5	3348.0	3382.5	3415.2	3449.2
-35°	3220.3	3176.8	3128.7	3074.5	3128.7	3176.8	3220.3	3260.6	3299.2	3336.9	3374.4
-37.5°	3117.1	3067.2	3012.7	2952.1	3012.7	3067.2	3117.1	3163.7	3208.2	3252.0	3293.1
-40°	3006.1	2950.4	2889.7	2823.0	2889.7	2950.4	3006.1	3058.3	3107.9	3156.1	3202.9
-42.5°	2885.6	2823.6	2756.9	2684.3	2756.9	2823.6	2885.6	2943.8	2999.3	3053.2	3107.3
-45°	2757.5	2689.2	2616.5	2538.0	2616.5	2689.2	2757.5	2822.8	2886.2	2949.2	3012.0
-47.5°	2620.5	2544.1	2462.9	2375.8	2462.9	2544.1	2620.5	2693.1	2763.0	2831.2	2898.4
-50°	2472.5	2388.1	2299.5	2205.5	2299.5	2388.1	2472.5	2553.7	2632.8	2710.8	2788.7
-52.5°	2322.5	2229.8	2132.7	2030.4	2132.7	2229.8	2322.5	2411.8	2498.6	2583.6	2667.7
-55°	2164.0	2063.5	1958.9	1849.4	1958.9	2063.5	2164.0	2261.2	2355.9	2449.0	2541.2
-57.5°	1999.8	1891.2	1778.8	1661.6	1778.8	1891.2	1999.8	2105.1	2207.8	2308.8	2408.6
-60°	1830.5	1714.4	1594.4	1470.2	1594.4	1714.4	1830.5	1943.2	2053.0	2160.3	2265.7
-62.5°	1657.0	1535.4	1410.1	1280.9	1410.1	1535.4	1657.0	1775.4	1890.9	2003.8	2114.4
-65°	1481.4	1355.2	1225.6	1092.4	1225.6	1355.2	1481.4	1604.3	1724.1	1841.0	1955.1
-67.5°	1303.2	1175.6	1044.4	909.8	1044.4	1175.6	1303.2	1427.4	1548.2	1665.7	1779.9
-70°	1106.7	980.6	850.0	715.8	850.0	980.6	1106.7	1227.6	1342.6	1450.8	1551.6
-72.5°	878.7	768.0	653.6	536.3	653.6	768.0	878.7	984.7	1085.2	1179.1	1265.9
-75°	671.0	581.8	489.2	394.2	489.2	581.8	671.0	756.0	835.9	909.8	976.8
-77.5°	466.0	401.1	333.7	264.7	333.7	401.1	466.0	527.7	585.5	638.5	686.3
-80°	293.0	251.9	209.6	166.3	209.6	251.9	293.0	332.3	369.4	403.9	435.4
-82.5°	179.1	155.6	131.4	106.7	131.4	155.6	179.1	201.8	223.2	243.3	261.8
-85°	102.8	92.3	81.7	70.8	81.7	92.3	102.8	112.8	122.3	131.4	139.8
-87.5°	49.4	46.1	42.8	39.3	42.8	46.1	49.4	52.5	55.5	58.3	60.9
-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: P670572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-3000K

**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°	63.3	65.3	67.3	68.9	70.3	66.3	62.3	58.4	54.4	50.5	46.6
85°	147.5	154.4	160.5	165.7	169.2	156.2	143.5	131.3	119.4	108.2	97.6
82.5°	278.5	293.1	305.5	315.5	319.6	289.0	259.4	231.0	204.2	179.1	155.9
80°	463.6	488.1	508.4	524.2	525.6	471.2	418.0	366.2	316.3	272.7	236.0
77.5°	728.0	763.0	790.7	810.5	799.1	711.8	625.4	545.7	478.2	413.4	351.7
75°	1036.3	1087.4	1129.3	1161.4	1138.0	1023.8	913.1	805.7	700.7	598.8	500.4
72.5°	1344.7	1414.7	1475.2	1525.5	1487.7	1352.6	1216.9	1082.5	949.8	819.5	695.8
70°	1644.5	1728.6	1803.4	1868.5	1807.1	1664.7	1517.5	1365.9	1210.0	1056.8	909.5
67.5°	1890.9	1998.7	2103.5	2194.3	2105.6	1963.4	1812.2	1652.1	1484.9	1313.2	1137.3
65°	2066.8	2176.1	2283.2	2381.5	2305.7	2206.0	2089.4	1937.6	1763.0	1578.2	1384.6
62.5°	2223.2	2330.6	2434.9	2512.7	2455.6	2380.9	2283.8	2161.1	2017.7	1850.2	1647.5
60°	2369.6	2472.5	2572.5	2626.4	2593.5	2542.8	2464.0	2363.1	2239.1	2080.6	1897.5
57.5°	2508.0	2605.9	2701.3	2736.8	2723.9	2690.1	2634.2	2557.1	2445.8	2304.5	2134.4
55°	2633.3	2724.8	2816.9	2843.3	2846.8	2828.8	2794.2	2734.3	2642.0	2525.3	2360.4
52.5°	2751.6	2835.8	2913.3	2942.4	2957.2	2957.2	2941.3	2894.4	2828.0	2721.1	2580.5
50°	2865.8	2942.3	3002.9	3037.5	3061.5	3075.4	3069.0	3042.7	2990.2	2904.5	2784.2
47.5°	2967.8	3039.9	3093.9	3132.7	3162.2	3182.2	3187.0	3178.8	3136.5	3073.6	2964.4
45°	3071.4	3130.6	3177.3	3221.6	3259.8	3283.8	3297.0	3293.2	3273.7	3217.7	3136.6
42.5°	3163.9	3221.1	3269.4	3310.2	3347.2	3378.7	3399.9	3402.8	3389.4	3354.7	3279.6
40°	3249.7	3299.9	3351.3	3399.8	3437.1	3468.0	3491.7	3507.3	3498.0	3471.1	3419.2
37.5°	3337.0	3385.2	3431.4	3477.0	3520.5	3556.5	3580.8	3596.6	3602.4	3579.7	3534.0
35°	3420.5	3467.0	3511.5	3554.5	3596.8	3635.3	3667.2	3684.7	3690.9	3682.2	3640.0
32.5°	3496.4	3542.5	3588.6	3629.6	3670.0	3709.7	3743.5	3768.5	3778.9	3772.6	3691.8
30°	3569.0	3612.7	3656.6	3701.6	3740.8	3778.9	3816.7	3844.4	3859.4	3821.7	3740.7
27.5°	3635.8	3680.7	3722.0	3764.4	3808.8	3846.1	3882.3	3916.6	3908.4	3853.2	3776.4
25°	3697.3	3740.4	3785.1	3826.0	3867.9	3911.8	3946.6	3956.2	3930.0	3882.5	3812.7
22.5°	3753.2	3795.1	3840.1	3886.4	3926.1	3968.9	3984.5	3971.1	3953.2	3908.3	3840.1
20°	3805.2	3845.3	3890.3	3937.9	3983.9	3995.7	3999.8	3986.9	3967.1	3929.8	3865.8
17.5°	3844.9	3894.5	3936.0	3986.8	4002.4	4007.8	4009.7	4004.0	3981.5	3952.2	3890.9
15°	3877.4	3934.6	3973.8	3991.7	4009.4	4020.6	4020.0	4022.1	3996.3	3968.8	3909.5
12.5°	3918.8	3945.3	3981.8	3999.8	4017.1	4031.1	4031.8	4032.0	4011.8	3980.8	3926.6
10°	3927.0	3946.5	3981.9	4008.4	4026.0	4039.5	4044.0	4042.0	4027.3	3992.4	3942.7
7.5°	3923.8	3952.8	3983.0	4016.4	4037.3	4048.8	4056.4	4052.2	4042.3	4003.1	3957.0
5°	3923.5	3958.6	3987.9	4024.5	4050.3	4059.0	4068.7	4062.5	4056.4	4012.8	3968.9
2.5°	3926.9	3965.2	3996.6	4033.5	4064.8	4070.0	4080.8	4072.8	4069.0	4021.0	3977.7
0°	3934.6	3974.1	4008.9	4044.5	4080.0	4081.9	4092.5	4082.9	4079.4	4027.5	3982.9
-2.5°	3926.9	3965.2	3996.6	4033.5	4064.8	4070.0	4080.8	4072.8	4069.0	4021.0	3977.7
-5°	3923.5	3958.6	3987.9	4024.5	4050.3	4059.0	4068.7	4062.5	4056.4	4012.8	3968.9
-7.5°	3923.8	3952.8	3983.0	4016.4	4037.3	4048.8	4056.4	4052.2	4042.3	4003.1	3957.0
-10°	3927.0	3946.5	3981.9	4008.4	4026.0	4039.5	4044.0	4042.0	4027.3	3992.4	3942.7
-12.5°	3918.8	3945.3	3981.8	3999.8	4017.1	4031.1	4031.8	4032.0	4011.8	3980.8	3926.6
-15°	3877.4	3934.6	3973.8	3991.7	4009.4	4020.6	4020.0	4022.1	3996.3	3968.8	3909.5
-17.5°	3844.9	3894.5	3936.0	3986.8	4002.4	4007.8	4009.7	4004.0	3981.5	3952.2	3890.9
-20°	3805.2	3845.3	3890.3	3937.9	3983.9	3995.7	3999.8	3986.9	3967.1	3929.8	3865.8



REPORT NUMBER: P670572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-3000K

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3753.2	3795.1	3840.1	3886.4	3926.1	3968.9	3984.5	3971.1	3953.2	3908.3	3840.1
-25°	3697.3	3740.4	3785.1	3826.0	3867.9	3911.8	3946.6	3956.2	3930.0	3882.5	3812.7
-27.5°	3635.8	3680.7	3722.0	3764.4	3808.8	3846.1	3882.3	3916.6	3908.4	3853.2	3776.4
-30°	3569.0	3612.7	3656.6	3701.6	3740.8	3778.9	3816.7	3844.4	3859.4	3821.7	3740.7
-32.5°	3496.4	3542.5	3588.6	3629.6	3670.0	3709.7	3743.5	3768.5	3778.9	3772.6	3691.8
-35°	3420.5	3467.0	3511.5	3554.5	3596.8	3635.3	3667.2	3684.7	3690.9	3682.2	3640.0
-37.5°	3337.0	3385.2	3431.4	3477.0	3520.5	3556.5	3580.8	3596.6	3602.4	3579.7	3534.0
-40°	3249.7	3299.9	3351.3	3399.8	3437.1	3468.0	3491.7	3507.3	3498.0	3471.1	3419.2
-42.5°	3163.9	3221.1	3269.4	3310.2	3347.2	3378.7	3399.9	3402.8	3389.4	3354.7	3279.6
-45°	3071.4	3130.6	3177.3	3221.6	3259.8	3283.8	3297.0	3293.2	3273.7	3217.7	3136.6
-47.5°	2967.8	3039.9	3093.9	3132.7	3162.2	3182.2	3187.0	3178.8	3136.5	3073.6	2964.4
-50°	2865.8	2942.3	3002.9	3037.5	3061.5	3075.4	3069.0	3042.7	2990.2	2904.5	2784.2
-52.5°	2751.6	2835.8	2913.3	2942.4	2957.2	2957.2	2941.3	2894.4	2828.0	2721.1	2580.5
-55°	2633.3	2724.8	2816.9	2843.3	2846.8	2828.8	2794.2	2734.3	2642.0	2525.3	2360.4
-57.5°	2508.0	2605.9	2701.3	2736.8	2723.9	2690.1	2634.2	2557.1	2445.8	2304.5	2134.4
-60°	2369.6	2472.5	2572.5	2626.4	2593.5	2542.8	2464.0	2363.1	2239.1	2080.6	1897.5
-62.5°	2223.2	2330.6	2434.9	2512.7	2455.6	2380.9	2283.8	2161.1	2017.7	1850.2	1647.5
-65°	2066.8	2176.1	2283.2	2381.5	2305.7	2206.0	2089.4	1937.6	1763.0	1578.2	1384.6
-67.5°	1890.9	1998.7	2103.5	2194.3	2105.6	1963.4	1812.2	1652.1	1484.9	1313.2	1137.3
-70°	1644.5	1728.6	1803.4	1868.5	1807.1	1664.7	1517.5	1365.9	1210.0	1056.8	909.5
-72.5°	1344.7	1414.7	1475.2	1525.5	1487.7	1352.6	1216.9	1082.5	949.8	819.5	695.8
-75°	1036.3	1087.4	1129.3	1161.4	1138.0	1023.8	913.1	805.7	700.7	598.8	500.4
-77.5°	728.0	763.0	790.7	810.5	799.1	711.8	625.4	545.7	478.2	413.4	351.7
-80°	463.6	488.1	508.4	524.2	525.6	471.2	418.0	366.2	316.3	272.7	236.0
-82.5°	278.5	293.1	305.5	315.5	319.6	289.0	259.4	231.0	204.2	179.1	155.9
-85°	147.5	154.4	160.5	165.7	169.2	156.2	143.5	131.3	119.4	108.2	97.6
-87.5°	63.3	65.3	67.3	68.9	70.3	66.3	62.3	58.4	54.4	50.5	46.6
-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: P670572 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLXL150FSUNVDBZSF-100W-3000K

**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°	42.8	39.1	35.5	31.9	28.5	25.3	21.8	18.5	15.4	12.6	10.1
85°	87.7	78.4	70.1	62.6	56.0	50.4	43.4	36.9	30.8	25.2	20.2
82.5°	134.8	117.9	103.1	89.6	77.4	67.0	59.1	51.5	44.3	37.4	30.2
80°	202.1	171.3	143.7	119.6	99.2	83.3	73.4	63.8	54.8	46.2	38.2
77.5°	293.3	238.7	188.0	151.8	122.3	100.1	88.0	76.1	65.0	54.8	45.2
75°	406.0	333.8	269.5	210.4	156.8	116.5	102.6	89.0	75.9	63.3	52.1
72.5°	581.6	472.8	369.9	275.9	210.8	162.4	128.4	101.5	86.8	72.7	59.1
70°	766.2	627.6	503.4	390.2	284.6	208.4	168.4	131.5	97.8	81.8	66.7
67.5°	957.6	800.9	649.9	505.4	381.2	291.8	213.4	164.6	125.9	90.9	74.1
65°	1192.2	995.7	799.1	638.6	485.8	377.7	288.9	206.2	152.7	113.3	81.3
62.5°	1433.8	1213.6	1000.3	783.2	606.6	481.4	361.3	269.2	184.1	134.6	95.6
60°	1686.9	1452.2	1205.8	970.5	755.0	589.6	454.7	329.2	235.8	154.8	112.2
57.5°	1927.0	1692.2	1435.0	1165.3	930.2	722.2	550.4	406.3	284.8	191.8	127.7
55°	2165.5	1931.3	1664.1	1380.0	1110.6	872.9	658.1	490.1	337.4	231.2	142.2
52.5°	2395.7	2168.0	1900.5	1597.2	1303.2	1022.7	786.4	570.8	409.6	268.1	171.4
50°	2614.1	2399.7	2133.5	1815.5	1489.5	1189.1	907.4	675.4	478.9	310.4	200.5
47.5°	2821.3	2616.6	2352.1	2020.6	1680.1	1346.3	1042.4	776.8	545.1	369.0	227.4
45°	2999.8	2822.5	2542.7	2209.1	1860.2	1506.5	1176.1	871.4	628.7	424.6	252.1
42.5°	3171.4	2989.7	2708.0	2387.7	2026.0	1661.2	1301.0	980.3	706.8	477.3	288.2
40°	3315.9	3117.9	2856.9	2535.2	2181.5	1805.5	1430.6	1084.9	778.8	531.4	331.5
37.5°	3433.1	3226.1	2973.7	2676.0	2323.4	1939.0	1552.4	1181.1	850.2	590.0	372.0
35°	3501.8	3320.3	3087.0	2793.5	2445.8	2062.9	1664.2	1274.2	929.5	643.2	409.6
32.5°	3568.8	3403.5	3174.2	2893.0	2560.7	2177.0	1767.4	1366.9	1001.4	691.0	444.3
30°	3621.7	3464.4	3257.1	2987.9	2661.4	2274.3	1862.0	1450.4	1065.6	733.2	477.4
27.5°	3670.3	3524.8	3331.6	3063.9	2740.9	2362.9	1947.1	1524.5	1122.2	775.6	511.4
25°	3714.2	3571.6	3382.9	3131.0	2814.5	2443.2	2022.5	1589.4	1178.1	821.0	540.9
22.5°	3745.4	3612.7	3431.9	3193.9	2881.8	2514.5	2086.9	1648.7	1229.4	859.9	565.9
20°	3775.9	3652.2	3478.2	3248.1	2935.1	2565.4	2141.4	1699.1	1272.3	892.3	586.6
17.5°	3803.8	3682.8	3510.2	3282.1	2977.4	2609.1	2187.1	1740.2	1307.0	918.2	602.9
15°	3822.9	3704.3	3536.8	3311.7	3013.5	2645.0	2223.6	1772.0	1333.4	937.8	614.9
12.5°	3840.2	3723.2	3559.6	3336.4	3042.6	2672.7	2250.7	1794.6	1351.6	951.1	622.8
10°	3855.3	3739.1	3578.0	3355.3	3064.2	2691.7	2268.1	1807.7	1361.6	958.2	626.6
7.5°	3867.5	3751.2	3591.4	3367.9	3077.5	2701.4	2275.6	1811.5	1363.7	959.3	626.6
5°	3876.5	3759.1	3598.9	3373.5	3081.9	2701.5	2272.9	1806.0	1358.0	954.7	623.0
2.5°	3881.6	3762.1	3600.0	3371.2	3076.6	2691.5	2259.9	1791.2	1344.8	944.4	615.7
0°	3882.3	3759.7	3593.9	3360.4	3061.1	2670.9	2236.4	1767.3	1324.1	928.8	605.2
-2.5°	3881.6	3762.1	3600.0	3371.2	3076.6	2691.5	2259.9	1791.2	1344.8	944.4	615.7
-5°	3876.5	3759.1	3598.9	3373.5	3081.9	2701.5	2272.9	1806.0	1358.0	954.7	623.0
-7.5°	3867.5	3751.2	3591.4	3367.9	3077.5	2701.4	2275.6	1811.5	1363.7	959.3	626.6
-10°	3855.3	3739.1	3578.0	3355.3	3064.2	2691.7	2268.1	1807.7	1361.6	958.2	626.6
-12.5°	3840.2	3723.2	3559.6	3336.4	3042.6	2672.7	2250.7	1794.6	1351.6	951.1	622.8
-15°	3822.9	3704.3	3536.8	3311.7	3013.5	2645.0	2223.6	1772.0	1333.4	937.8	614.9
-17.5°	3803.8	3682.8	3510.2	3282.1	2977.4	2609.1	2187.1	1740.2	1307.0	918.2	602.9
-20°	3775.9	3652.2	3478.2	3248.1	2935.1	2565.4	2141.4	1699.1	1272.3	892.3	586.6



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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°	3745.4	3612.7	3431.9	3193.9	2881.8	2514.5	2086.9	1648.7	1229.4	859.9	565.9
-25°	3714.2	3571.6	3382.9	3131.0	2814.5	2443.2	2022.5	1589.4	1178.1	821.0	540.9
-27.5°	3670.3	3524.8	3331.6	3063.9	2740.9	2362.9	1947.1	1524.5	1122.2	775.6	511.4
-30°	3621.7	3464.4	3257.1	2987.9	2661.4	2274.3	1862.0	1450.4	1065.6	733.2	477.4
-32.5°	3568.8	3403.5	3174.2	2893.0	2560.7	2177.0	1767.4	1366.9	1001.4	691.0	444.3
-35°	3501.8	3320.3	3087.0	2793.5	2445.8	2062.9	1664.2	1274.2	929.5	643.2	409.6
-37.5°	3433.1	3226.1	2973.7	2676.0	2323.4	1939.0	1552.4	1181.1	850.2	590.0	372.0
-40°	3315.9	3117.9	2856.9	2535.2	2181.5	1805.5	1430.6	1084.9	778.8	531.4	331.5
-42.5°	3171.4	2989.7	2708.0	2387.7	2026.0	1661.2	1301.0	980.3	706.8	477.3	288.2
-45°	2999.8	2822.5	2542.7	2209.1	1860.2	1506.5	1176.1	871.4	628.7	424.6	252.1
-47.5°	2821.3	2616.6	2352.1	2020.6	1680.1	1346.3	1042.4	776.8	545.1	369.0	227.4
-50°	2614.1	2399.7	2133.5	1815.5	1489.5	1189.1	907.4	675.4	478.9	310.4	200.5
-52.5°	2395.7	2168.0	1900.5	1597.2	1303.2	1022.7	786.4	570.8	409.6	268.1	171.4
-55°	2165.5	1931.3	1664.1	1380.0	1110.6	872.9	658.1	490.1	337.4	231.2	142.2
-57.5°	1927.0	1692.2	1435.0	1165.3	930.2	722.2	550.4	406.3	284.8	191.8	127.7
-60°	1686.9	1452.2	1205.8	970.5	755.0	589.6	454.7	329.2	235.8	154.8	112.2
-62.5°	1433.8	1213.6	1000.3	783.2	606.6	481.4	361.3	269.2	184.1	134.6	95.6
-65°	1192.2	995.7	799.1	638.6	485.8	377.7	288.9	206.2	152.7	113.3	81.3
-67.5°	957.6	800.9	649.9	505.4	381.2	291.8	213.4	164.6	125.9	90.9	74.1
-70°	766.2	627.6	503.4	390.2	284.6	208.4	168.4	131.5	97.8	81.8	66.7
-72.5°	581.6	472.8	369.9	275.9	210.8	162.4	128.4	101.5	86.8	72.7	59.1
-75°	406.0	333.8	269.5	210.4	156.8	116.5	102.6	89.0	75.9	63.3	52.1
-77.5°	293.3	238.7	188.0	151.8	122.3	100.1	88.0	76.1	65.0	54.8	45.2
-80°	202.1	171.3	143.7	119.6	99.2	83.3	73.4	63.8	54.8	46.2	38.2
-82.5°	134.8	117.9	103.1	89.6	77.4	67.0	59.1	51.5	44.3	37.4	30.2
-85°	87.7	78.4	70.1	62.6	56.0	50.4	43.4	36.9	30.8	25.2	20.2
-87.5°	42.8	39.1	35.5	31.9	28.5	25.3	21.8	18.5	15.4	12.6	10.1
-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°	7.8	5.8	4.1	2.6	1.5	0.6	0.0
85°	15.6	11.6	8.1	5.2	2.9	1.2	0.0
82.5°	23.3	17.3	12.1	7.8	4.3	1.7	0.0
80°	30.7	23.0	16.1	10.4	5.8	2.3	0.0
77.5°	36.3	28.1	20.0	12.9	7.2	2.9	0.0
75°	41.8	32.3	23.6	15.3	8.5	3.4	0.0
72.5°	47.1	36.4	26.7	17.7	9.8	4.0	0.0
70°	52.4	40.4	29.6	19.9	11.1	4.5	0.0
67.5°	58.5	44.2	32.4	21.8	12.4	5.0	0.0
65°	64.4	48.4	35.1	23.7	13.6	5.5	0.0
62.5°	70.1	52.9	37.7	25.5	14.7	6.0	0.0
60°	75.5	57.3	40.1	27.2	15.8	6.4	0.0
57.5°	87.1	61.4	43.3	28.8	16.8	6.9	0.0
55°	98.9	65.3	46.3	30.3	17.7	7.3	0.0
52.5°	109.8	69.8	49.2	31.7	18.6	7.7	0.0
50°	119.8	77.8	51.8	33.0	19.4	8.1	0.0
47.5°	130.8	85.1	54.3	34.4	20.2	8.4	0.0
45°	151.7	91.8	56.6	36.1	20.9	8.7	0.0
42.5°	170.8	97.8	58.7	37.6	21.5	9.0	0.0
40°	188.0	103.1	61.8	39.1	22.1	9.3	0.0
37.5°	203.4	107.7	65.7	40.4	22.6	9.5	0.0
35°	217.0	116.8	69.1	41.5	23.0	9.7	0.0
32.5°	234.0	127.2	72.0	42.5	23.4	9.9	0.0
30°	261.2	136.4	74.4	43.4	23.7	10.1	0.0
27.5°	285.9	144.1	76.4	44.1	23.9	10.2	0.0
25°	307.9	150.5	77.8	44.7	24.1	10.3	0.0
22.5°	327.2	155.6	78.9	45.1	24.2	10.4	0.0
20°	343.8	159.4	79.5	45.4	24.2	10.5	0.0
17.5°	357.7	162.0	79.7	45.5	24.2	10.5	0.0
15°	368.8	163.3	79.5	45.5	24.1	10.5	0.0
12.5°	377.2	163.5	78.9	45.4	23.9	10.5	0.0
10°	382.8	162.6	77.9	45.1	23.7	10.4	0.0
7.5°	385.7	160.7	76.7	44.7	23.4	10.3	0.0
5°	385.8	157.8	75.1	44.1	23.1	10.2	0.0
2.5°	383.1	153.9	73.2	43.5	22.7	10.1	0.0
0°	377.8	149.3	71.1	42.7	22.3	10.0	0.0
-2.5°	383.1	153.9	73.2	43.5	22.7	10.1	0.0
-5°	385.8	157.8	75.1	44.1	23.1	10.2	0.0
-7.5°	385.7	160.7	76.7	44.7	23.4	10.3	0.0
-10°	382.8	162.6	77.9	45.1	23.7	10.4	0.0
-12.5°	377.2	163.5	78.9	45.4	23.9	10.5	0.0
-15°	368.8	163.3	79.5	45.5	24.1	10.5	0.0
-17.5°	357.7	162.0	79.7	45.5	24.2	10.5	0.0
-20°	343.8	159.4	79.5	45.4	24.2	10.5	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	327.2	155.6	78.9	45.1	24.2	10.4	0.0
-25°	307.9	150.5	77.8	44.7	24.1	10.3	0.0
-27.5°	285.9	144.1	76.4	44.1	23.9	10.2	0.0
-30°	261.2	136.4	74.4	43.4	23.7	10.1	0.0
-32.5°	234.0	127.2	72.0	42.5	23.4	9.9	0.0
-35°	217.0	116.8	69.1	41.5	23.0	9.7	0.0
-37.5°	203.4	107.7	65.7	40.4	22.6	9.5	0.0
-40°	188.0	103.1	61.8	39.1	22.1	9.3	0.0
-42.5°	170.8	97.8	58.7	37.6	21.5	9.0	0.0
-45°	151.7	91.8	56.6	36.1	20.9	8.7	0.0
-47.5°	130.8	85.1	54.3	34.4	20.2	8.4	0.0
-50°	119.8	77.8	51.8	33.0	19.4	8.1	0.0
-52.5°	109.8	69.8	49.2	31.7	18.6	7.7	0.0
-55°	98.9	65.3	46.3	30.3	17.7	7.3	0.0
-57.5°	87.1	61.4	43.3	28.8	16.8	6.9	0.0
-60°	75.5	57.3	40.1	27.2	15.8	6.4	0.0
-62.5°	70.1	52.9	37.7	25.5	14.7	6.0	0.0
-65°	64.4	48.4	35.1	23.7	13.6	5.5	0.0
-67.5°	58.5	44.2	32.4	21.8	12.4	5.0	0.0
-70°	52.4	40.4	29.6	19.9	11.1	4.5	0.0
-72.5°	47.1	36.4	26.7	17.7	9.8	4.0	0.0
-75°	41.8	32.3	23.6	15.3	8.5	3.4	0.0
-77.5°	36.3	28.1	20.0	12.9	7.2	2.9	0.0
-80°	30.7	23.0	16.1	10.4	5.8	2.3	0.0
-82.5°	23.3	17.3	12.1	7.8	4.3	1.7	0.0
-85°	15.6	11.6	8.1	5.2	2.9	1.2	0.0
-87.5°	7.8	5.8	4.1	2.6	1.5	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)