

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: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2D-727-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645381 (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-SA2D-727-U-LAM-VSR-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

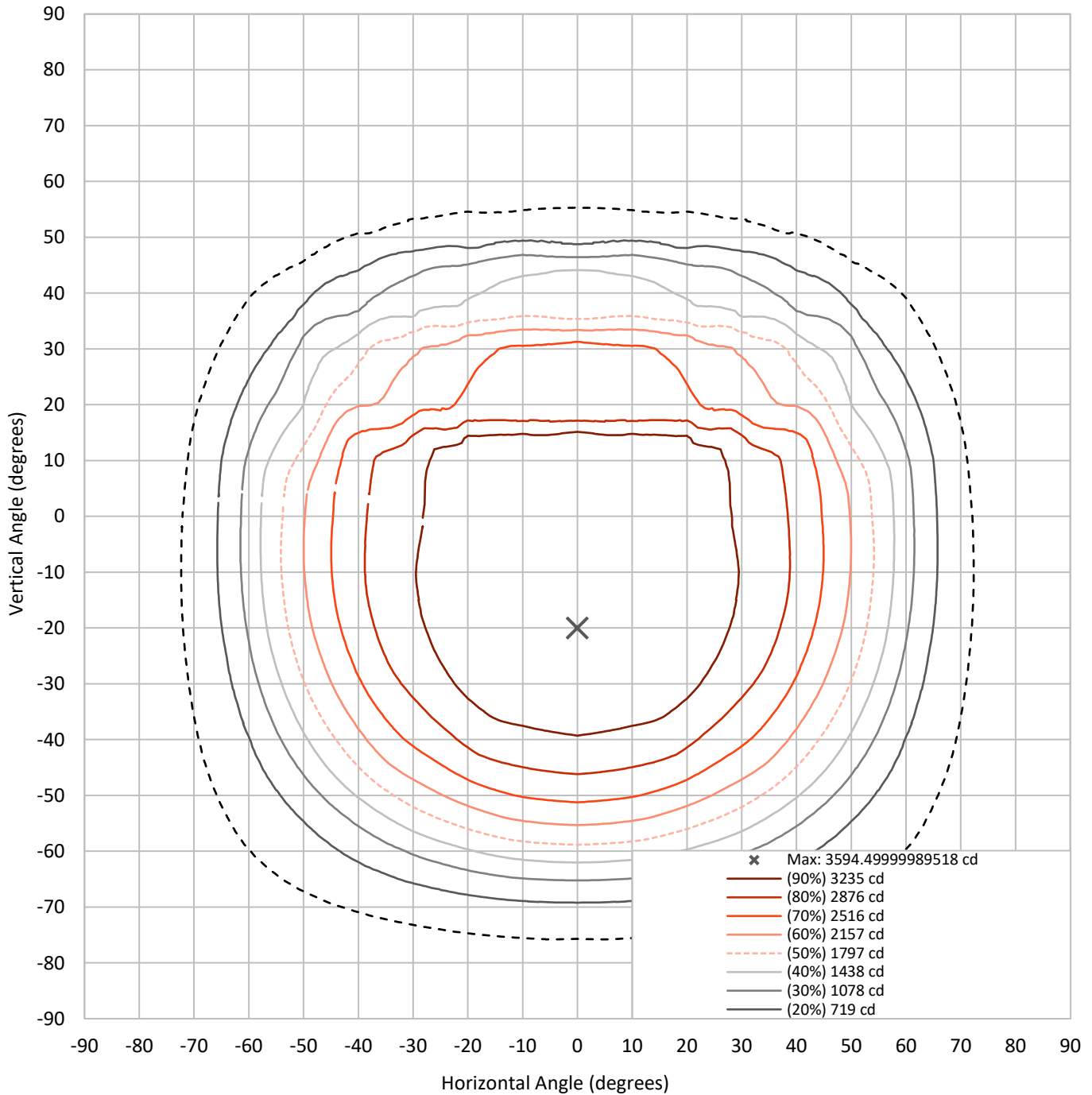
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	8428.3 lumens	Max Intensity:	3594.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	77.5 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	6588.7 lumens	Field Lumens:	8260.9 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	108.74		
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		



REPORT NUMBER: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-727-U-LAM-VSR-XX

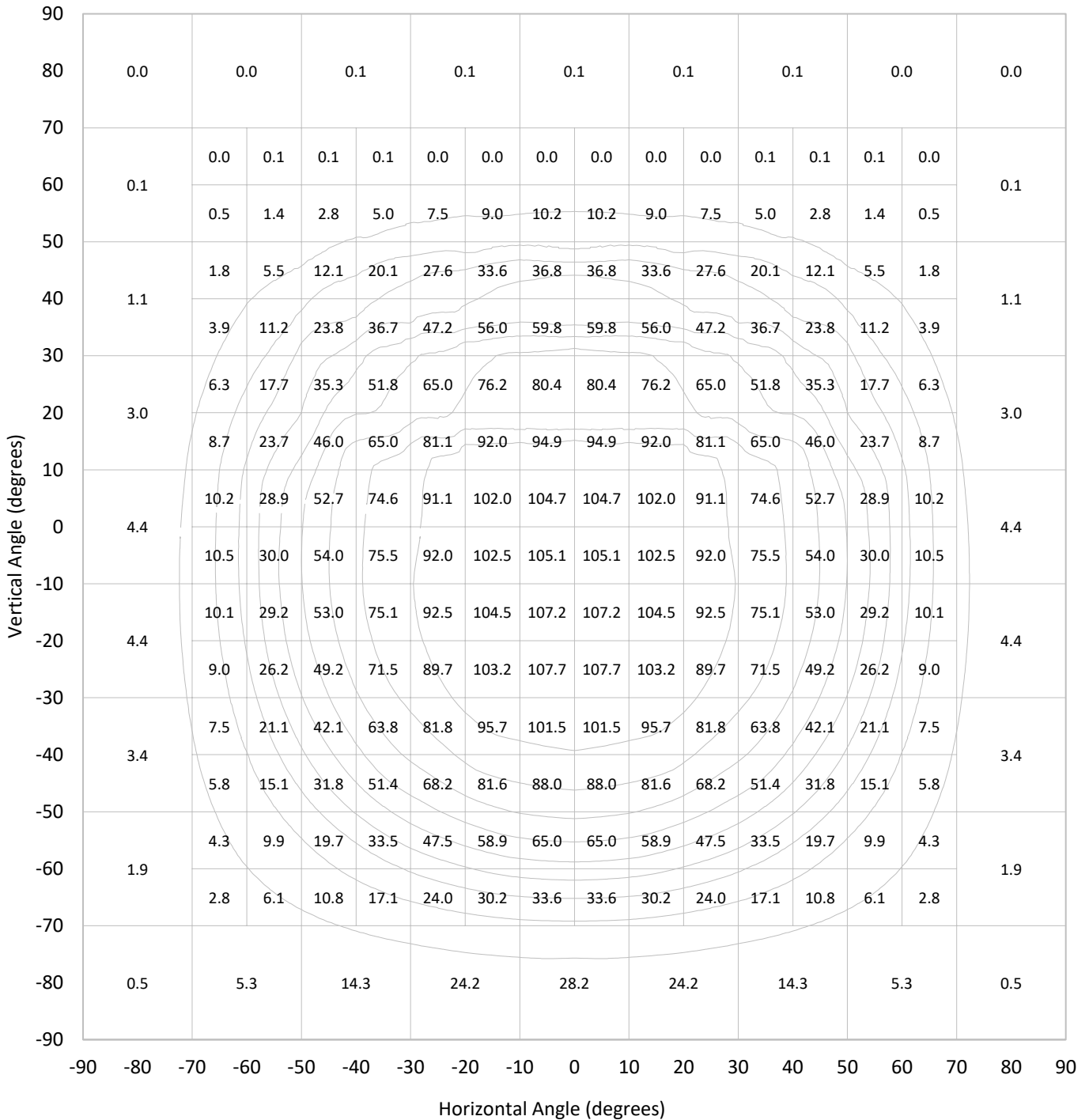
Iso-Candela Plot





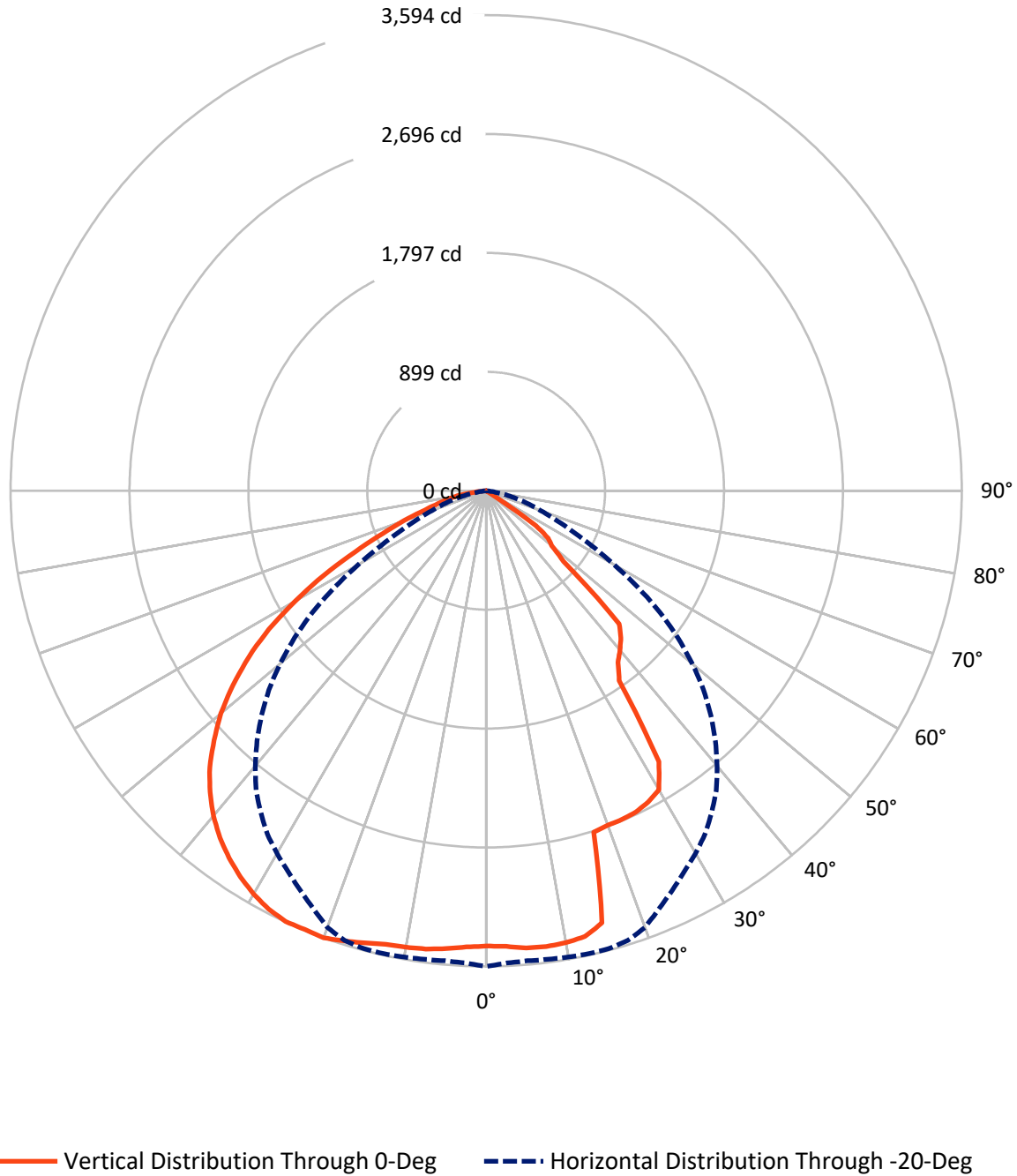
REPORT NUMBER: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-727-U-LAM-VSR-XX

Lumen Table



REPORT NUMBER: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-727-U-LAM-VSR-XX

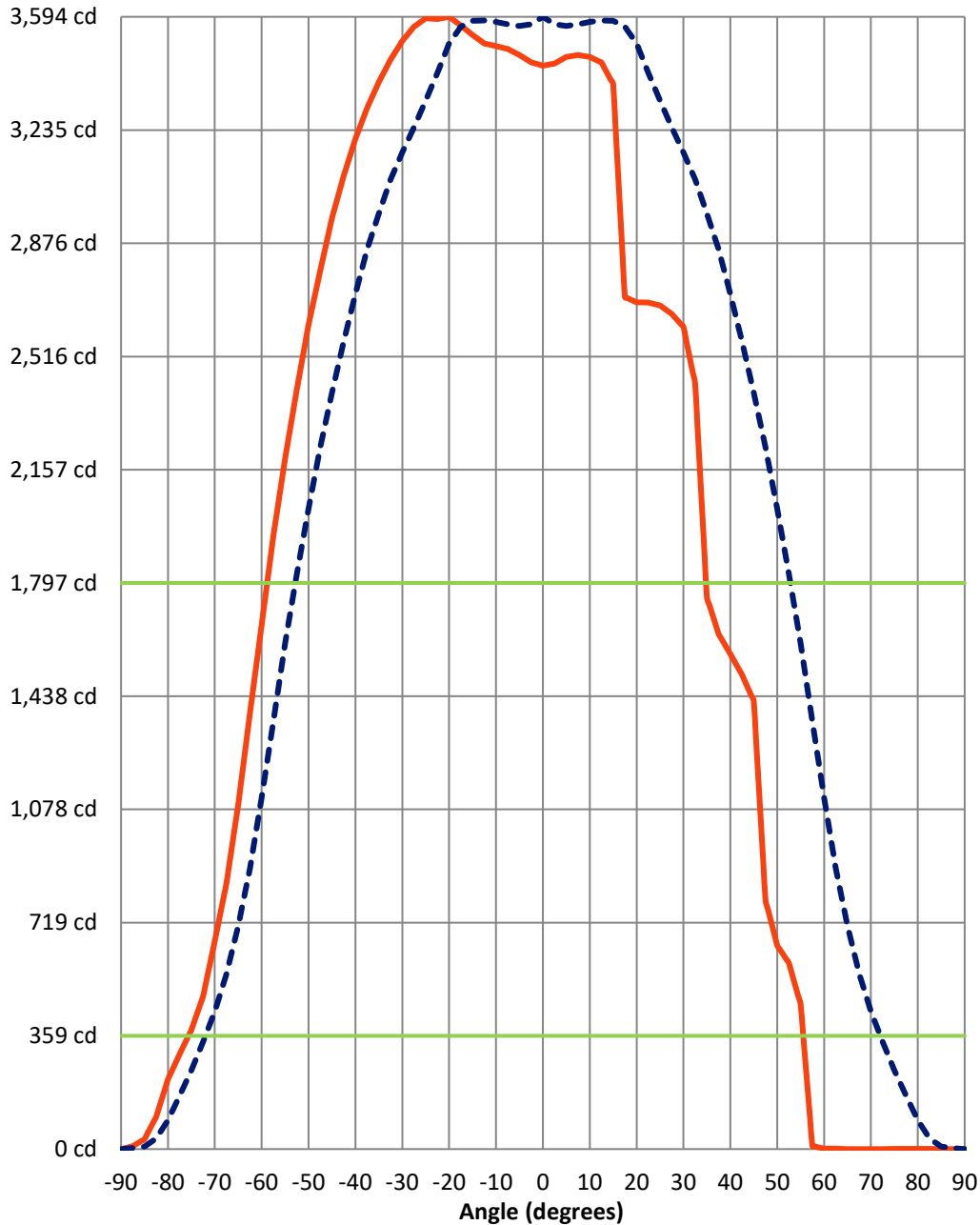
Luminous Intensity Polar Plot





REPORT NUMBER: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-727-U-LAM-VSR-XX

Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 6588.7
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 8260.9
 Efficiency: 98.0%

Spill:
 Lumens: 167.4
 Efficiency: 2.0%

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

Classified

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

Scaled Data Report



REPORT NUMBER: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-727-U-LAM-VSR-XX

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	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3
85°	0.0	0.2	0.3	0.4	0.5	0.6	0.8	0.8	0.8	0.7	0.7
82.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.2	1.2	1.0	0.8
80°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.3	1.2	1.0	0.8
77.5°	0.0	0.4	0.7	1.0	1.3	1.5	1.5	1.4	1.2	1.0	0.8
75°	0.0	0.5	0.8	1.2	1.5	1.6	1.5	1.4	1.2	1.0	0.9
72.5°	0.0	0.6	0.9	1.3	1.6	1.6	1.5	1.4	1.2	1.0	0.9
70°	0.0	0.7	1.1	1.5	1.7	1.7	1.6	1.4	1.2	1.1	1.2
67.5°	0.0	0.7	1.2	1.6	1.7	1.7	1.8	1.4	1.3	1.7	1.7
65°	0.0	0.8	1.3	1.7	1.8	2.0	2.0	1.4	2.0	2.4	3.0
62.5°	0.0	0.9	1.5	1.8	1.9	2.5	2.4	2.0	2.8	4.2	6.7
60°	0.0	1.0	1.6	1.8	2.0	3.1	2.8	2.9	3.7	10.6	11.6
57.5°	0.0	1.1	1.7	1.9	2.6	3.7	5.2	4.1	10.4	18.1	21.0
55°	0.0	1.1	1.8	2.0	3.2	4.3	8.3	6.6	19.3	27.9	34.0
52.5°	0.0	1.2	1.9	2.1	3.9	5.5	12.0	16.8	29.0	43.8	49.4
50°	0.0	1.3	2.0	2.2	4.6	9.5	16.2	28.4	41.5	61.5	77.2
47.5°	0.0	1.4	2.1	2.4	5.3	13.7	21.8	40.5	59.9	81.1	105.5
45°	0.0	1.4	2.1	3.0	6.1	18.3	32.8	53.2	80.4	105.6	133.1
42.5°	0.0	1.5	2.2	3.6	6.9	23.1	44.2	69.4	101.3	129.6	164.8
40°	0.0	1.6	2.3	4.3	9.3	28.2	55.8	87.7	122.8	153.1	198.8
37.5°	0.0	1.6	2.4	5.2	13.3	33.6	67.6	106.1	145.3	181.3	234.3
35°	0.0	1.7	2.5	6.2	17.3	41.8	79.6	124.5	168.2	215.9	276.2
32.5°	0.0	1.8	2.6	7.4	21.5	51.2	92.6	142.8	191.3	250.7	327.3
30°	0.0	1.8	2.7	8.6	25.6	60.6	107.5	161.3	214.7	285.7	376.2
27.5°	0.0	1.9	2.8	9.9	30.7	69.9	122.1	180.6	240.4	320.5	423.0
25°	0.0	1.9	2.9	11.2	36.0	79.0	136.3	199.6	269.4	358.6	467.6
22.5°	0.0	2.0	3.0	12.7	41.2	88.3	150.1	218.3	297.8	396.7	512.8
20°	0.0	2.0	3.1	14.1	46.4	98.3	163.5	236.7	325.4	432.6	556.8
17.5°	0.0	2.1	3.2	15.6	51.5	108.0	176.7	254.5	352.2	466.4	599.5
15°	0.0	2.1	3.3	17.1	56.5	117.3	189.4	271.0	378.0	497.8	640.5
12.5°	0.0	2.2	3.4	18.6	61.3	126.1	201.3	285.8	398.5	526.9	679.5
10°	0.0	2.2	3.5	20.1	65.9	134.5	212.3	299.4	413.8	544.4	711.2
7.5°	0.0	2.2	3.6	21.5	70.2	142.3	222.4	311.8	426.9	557.9	729.8
5°	0.0	2.3	3.7	22.9	74.3	149.5	231.6	322.9	437.7	568.9	744.8
2.5°	0.0	2.3	3.7	24.1	78.0	156.1	239.8	332.9	446.6	577.2	756.4
0°	0.0	2.3	3.8	25.3	81.3	161.9	247.1	341.5	453.5	583.2	764.3
-2.5°	0.0	2.4	4.4	27.0	84.4	165.6	250.7	346.5	456.0	590.7	769.5
-5°	0.0	2.6	5.0	28.5	87.0	168.5	253.4	350.2	456.8	595.6	771.1
-7.5°	0.0	2.7	5.6	29.8	89.2	170.6	255.1	352.5	456.2	597.6	769.4
-10°	0.0	2.8	6.1	31.0	90.8	172.0	255.8	353.4	454.2	596.4	764.5
-12.5°	0.0	2.9	6.6	32.0	91.9	172.5	255.7	352.8	451.1	591.6	756.1
-15°	0.0	3.0	7.1	32.8	92.4	172.3	254.7	350.7	447.6	582.2	743.9
-17.5°	0.0	3.1	7.6	33.4	92.4	171.2	252.8	346.5	443.2	570.5	728.1
-20°	0.0	3.1	8.0	33.7	91.7	169.4	249.9	340.5	437.0	556.5	708.6

Classified

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

Scaled Data Report



REPORT NUMBER: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-727-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	3.2	8.4	33.8	90.4	166.8	245.8	333.2	429.0	540.4	685.3
-25°	0.0	3.3	8.8	33.6	88.5	162.8	240.6	324.8	419.0	522.3	658.5
-27.5°	0.0	3.3	9.0	33.2	85.9	157.8	234.5	315.2	407.1	504.8	634.7
-30°	0.0	3.3	9.3	32.5	82.7	152.1	227.4	304.6	394.1	489.9	609.3
-32.5°	0.0	3.3	9.5	31.6	78.9	145.7	219.4	294.7	380.3	472.8	582.1
-35°	0.0	3.3	9.6	30.3	74.7	138.7	210.8	284.3	365.4	453.3	553.3
-37.5°	0.0	3.3	9.6	28.8	70.1	131.7	201.4	272.8	349.5	431.6	524.8
-40°	0.0	3.3	9.7	27.0	65.1	125.3	191.4	260.3	332.5	411.0	496.7
-42.5°	0.0	3.2	9.6	25.1	61.3	118.4	180.6	246.7	316.1	389.3	466.4
-45°	0.0	3.2	9.5	23.1	58.7	111.1	169.2	232.6	299.3	366.2	435.0
-47.5°	0.0	3.1	9.3	20.9	55.7	103.4	157.1	218.5	281.3	341.9	407.9
-50°	0.0	3.0	9.1	20.1	52.1	95.3	147.0	203.7	261.5	319.7	379.4
-52.5°	0.0	2.9	8.8	19.7	48.2	86.8	136.9	188.3	242.4	296.8	350.3
-55°	0.0	2.8	8.4	19.1	43.8	80.4	126.4	172.7	223.4	273.2	324.4
-57.5°	0.0	2.6	8.0	18.3	38.9	73.8	115.5	160.2	203.6	250.6	298.0
-60°	0.0	2.5	7.6	17.2	33.9	66.7	104.5	146.5	183.9	227.8	271.5
-62.5°	0.0	2.3	7.1	16.0	31.5	59.0	94.4	131.5	165.6	204.4	245.7
-65°	0.0	2.1	6.6	14.6	28.7	50.8	83.6	116.0	146.2	180.9	219.2
-67.5°	0.0	2.0	6.1	13.0	25.7	43.9	72.1	100.7	125.8	156.3	190.5
-70°	0.0	1.8	5.5	11.3	22.3	38.4	60.1	85.0	107.6	130.6	160.1
-72.5°	0.0	1.6	4.9	9.9	18.7	32.5	50.8	68.9	89.0	109.4	130.0
-75°	0.0	1.4	4.2	8.6	14.9	26.2	41.5	55.5	70.1	87.8	105.8
-77.5°	0.0	1.1	3.6	7.3	12.3	19.7	31.8	42.9	54.5	67.0	81.3
-80°	0.0	0.9	2.9	5.9	9.9	15.0	21.7	30.1	39.0	48.7	59.1
-82.5°	0.0	0.7	2.2	4.5	7.5	11.3	15.9	19.3	23.3	30.1	37.5
-85°	0.0	0.5	1.5	3.0	5.0	7.6	10.7	12.9	15.2	17.6	20.1
-87.5°	0.0	0.2	0.7	1.5	2.5	3.8	5.4	6.5	7.6	8.8	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



REPORT NUMBER: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-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°
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°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
85°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.9	1.0	1.0	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	1.2	1.2	1.1	0.9	0.8	0.8	0.9	0.9	0.8	0.8	0.8
67.5°	1.5	1.3	1.1	1.1	1.1	1.2	1.1	1.0	0.8	0.8	0.8
65°	1.5	1.3	1.9	2.2	1.6	1.3	1.2	1.0	1.1	1.1	1.1
62.5°	2.3	2.8	3.6	6.5	4.8	1.4	2.5	3.0	2.2	1.8	1.9
60°	7.5	5.1	15.1	21.6	13.5	4.9	6.0	20.0	17.4	3.2	10.8
57.5°	15.8	21.6	39.8	40.5	28.0	19.3	56.3	65.0	49.2	28.7	43.9
55°	34.7	53.3	66.0	61.1	66.8	101.1	120.2	108.0	90.8	139.8	178.6
52.5°	67.8	86.7	91.1	104.6	149.7	172.0	164.9	176.3	228.6	283.9	295.9
50°	100.0	115.6	127.7	184.7	220.0	222.2	238.6	290.5	360.2	394.1	385.9
47.5°	131.2	147.4	203.8	258.5	274.4	296.1	337.1	437.1	511.0	512.5	504.1
45°	164.2	207.2	279.3	315.0	340.7	382.7	481.7	619.7	626.8	646.8	770.2
42.5°	199.5	274.9	337.7	374.9	416.4	494.8	626.9	717.4	748.5	836.3	935.5
40°	256.7	340.2	395.1	442.6	496.0	610.4	755.1	839.8	865.2	941.2	1015.7
37.5°	314.7	394.8	456.3	513.5	587.6	742.0	909.4	979.3	992.1	1006.0	1171.2
35°	370.6	450.7	524.3	599.2	690.0	912.3	1058.7	1124.4	1122.4	1216.2	1389.2
32.5°	422.8	507.9	594.8	695.0	844.8	1072.6	1219.0	1258.3	1318.1	1454.6	1690.7
30°	474.9	571.7	671.5	790.8	980.7	1178.1	1345.2	1408.5	1510.9	1666.7	1838.5
27.5°	528.6	637.1	757.8	897.6	1087.9	1269.4	1412.1	1563.5	1662.9	1802.5	1924.8
25°	582.1	706.3	843.0	991.0	1164.5	1333.7	1481.2	1656.1	1762.9	1875.4	1989.5
22.5°	638.2	776.5	930.9	1064.9	1229.1	1388.3	1564.0	1753.7	1892.5	1964.1	2040.6
20°	696.8	852.5	1017.1	1165.6	1292.9	1439.1	1647.1	1877.5	2056.8	2137.3	2147.8
17.5°	754.6	926.1	1103.0	1263.9	1401.2	1531.3	1734.4	2026.0	2248.9	2323.7	2356.9
15°	810.9	996.9	1188.6	1359.5	1510.2	1669.3	1886.2	2182.7	2437.5	2520.3	2572.7
12.5°	865.3	1064.4	1272.7	1451.9	1619.3	1797.8	2024.1	2295.5	2528.1	2688.2	2784.3
10°	917.2	1128.1	1354.3	1540.7	1727.1	1916.9	2138.1	2379.5	2568.8	2723.3	2859.6
7.5°	943.3	1169.8	1424.5	1625.1	1832.3	2027.1	2231.5	2438.7	2598.2	2749.7	2881.5
5°	961.1	1186.9	1446.4	1654.6	1888.2	2100.5	2299.1	2477.6	2617.3	2767.5	2896.3
2.5°	973.8	1198.0	1461.2	1670.7	1909.2	2123.1	2318.5	2490.6	2633.2	2780.3	2912.2
0°	981.5	1203.3	1468.8	1680.6	1922.3	2137.9	2329.8	2495.5	2643.7	2786.4	2928.4
-2.5°	985.8	1219.4	1473.8	1706.1	1935.0	2150.7	2345.6	2507.4	2662.2	2798.0	2940.3
-5°	985.3	1229.0	1472.5	1723.2	1941.1	2155.8	2353.5	2512.7	2672.2	2806.7	2945.2
-7.5°	979.9	1231.2	1465.8	1728.6	1941.3	2154.1	2350.1	2515.3	2672.0	2814.7	2945.6
-10°	970.4	1222.5	1459.7	1714.7	1933.9	2145.4	2339.4	2509.7	2665.8	2813.1	2943.1
-12.5°	959.2	1204.6	1446.9	1694.7	1918.7	2129.0	2323.3	2495.3	2654.2	2801.0	2937.2
-15°	942.3	1180.7	1425.9	1669.3	1895.7	2105.3	2302.4	2471.9	2636.2	2780.0	2919.8
-17.5°	919.6	1151.1	1396.3	1639.2	1864.7	2074.3	2275.6	2440.9	2604.4	2753.0	2887.9
-20°	891.0	1116.1	1357.9	1605.0	1825.3	2032.7	2227.7	2400.8	2563.3	2714.4	2856.2

Classified

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

Scaled Data Report



REPORT NUMBER: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-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°	856.4	1075.8	1311.6	1558.9	1776.1	1981.2	2173.9	2349.8	2518.1	2664.3	2815.4
-25°	821.8	1033.2	1260.5	1495.0	1719.1	1923.2	2116.5	2287.8	2459.9	2612.0	2755.5
-27.5°	788.7	983.8	1201.1	1424.6	1654.4	1857.6	2049.1	2220.5	2387.6	2553.9	2692.1
-30°	751.4	926.7	1136.0	1349.5	1573.5	1780.4	1973.3	2151.3	2310.2	2474.4	2622.8
-32.5°	710.4	866.1	1067.3	1272.7	1483.8	1695.3	1886.5	2063.2	2228.5	2383.9	2539.6
-35°	670.2	817.1	994.5	1190.2	1388.9	1596.3	1787.6	1962.7	2134.3	2288.1	2437.0
-37.5°	634.1	764.1	917.0	1104.0	1293.9	1490.1	1684.7	1854.1	2017.4	2186.6	2331.7
-40°	595.1	707.2	850.0	1015.2	1194.2	1380.8	1567.1	1742.4	1895.9	2063.1	2222.7
-42.5°	554.2	660.8	783.8	921.3	1090.3	1266.2	1446.0	1617.5	1776.9	1934.5	2092.7
-45°	518.3	611.8	716.6	842.1	979.7	1145.1	1315.4	1486.3	1639.3	1789.6	1945.8
-47.5°	480.2	562.4	659.3	759.6	879.2	1017.5	1177.6	1335.3	1491.9	1634.9	1773.1
-50°	442.3	518.0	597.6	687.9	786.6	898.8	1031.7	1178.3	1321.3	1468.1	1605.1
-52.5°	409.5	471.4	543.3	618.6	703.1	795.9	902.4	1022.8	1152.9	1277.5	1414.1
-55°	375.5	431.3	489.4	555.7	626.0	704.3	791.6	892.8	992.0	1107.3	1218.8
-57.5°	344.6	391.6	441.1	495.9	556.9	619.6	696.0	774.7	864.7	954.2	1042.6
-60°	315.4	353.8	395.8	442.2	491.3	547.1	604.0	671.6	744.2	815.6	890.6
-62.5°	286.0	318.3	352.5	391.0	433.9	476.0	524.7	576.7	630.1	690.7	749.8
-65°	255.8	281.9	310.9	342.8	377.0	412.9	450.3	488.8	534.2	578.6	621.6
-67.5°	223.6	246.0	269.5	294.6	323.2	351.4	379.6	412.2	445.6	478.4	512.5
-70°	188.0	209.1	228.7	249.1	270.3	292.4	316.5	340.4	363.9	388.6	415.9
-72.5°	151.8	171.2	188.4	203.5	221.0	239.3	256.9	273.6	291.4	310.1	328.6
-75°	121.0	133.8	149.2	163.3	177.2	190.1	201.7	215.9	230.8	244.3	255.5
-77.5°	94.5	106.1	116.6	126.0	137.1	150.1	161.4	171.0	180.5	190.8	201.7
-80°	68.8	78.4	88.0	96.7	103.1	110.4	119.0	128.9	137.5	144.5	150.9
-82.5°	44.4	51.4	58.5	65.7	68.7	70.7	72.6	76.1	81.4	86.6	91.6
-85°	22.1	24.2	28.5	33.0	34.5	35.6	36.3	36.7	38.5	40.2	41.6
-87.5°	11.1	12.1	13.1	14.1	13.6	12.8	11.9	10.8	10.6	10.3	9.9
-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: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-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°	0.7	0.7	0.7	0.7	0.7	0.6	0.4	0.2	0.0	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.4
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.5
65°	1.1	1.1	1.1	1.1	1.0	0.9	1.0	0.9	0.9	0.7	0.5
62.5°	1.9	2.1	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.3	1.3
60°	12.0	7.1	4.1	4.8	4.3	2.9	3.7	4.3	4.4	4.0	3.5
57.5°	66.7	49.8	36.8	88.0	88.3	42.1	50.8	79.8	65.8	21.6	20.1
55°	185.6	221.9	292.1	277.4	281.9	324.3	354.1	313.5	307.3	327.5	378.3
52.5°	333.4	368.0	391.6	413.7	440.6	469.5	499.2	518.1	535.8	554.7	566.0
50°	425.7	474.5	508.1	495.8	565.3	593.8	564.9	590.7	622.2	630.8	634.9
47.5°	628.6	700.2	714.5	760.7	802.1	801.3	766.1	768.1	861.8	944.5	985.2
45°	903.3	905.8	950.9	1032.4	1090.7	1072.4	1121.6	1233.4	1270.6	1306.6	1336.1
42.5°	1010.4	1054.8	1126.7	1198.8	1242.2	1279.9	1316.4	1357.5	1405.8	1445.0	1476.3
40°	1114.1	1149.8	1223.4	1281.5	1317.5	1352.7	1395.1	1440.6	1484.9	1519.3	1542.9
37.5°	1273.6	1301.3	1319.3	1373.1	1441.2	1409.8	1490.3	1548.0	1574.4	1609.4	1612.5
35°	1515.0	1496.6	1472.7	1687.2	1700.1	1627.6	1702.9	1792.4	1745.2	1843.5	1896.3
32.5°	1729.0	1726.2	1913.5	2026.3	1961.4	2014.4	2188.0	2180.3	2295.9	2349.6	2334.3
30°	1930.6	1999.4	2107.7	2191.7	2203.0	2286.5	2363.5	2431.1	2500.9	2563.5	2567.8
27.5°	2032.9	2122.7	2196.2	2244.8	2299.0	2369.3	2439.3	2515.3	2574.7	2614.0	2623.6
25°	2094.9	2186.6	2242.2	2294.5	2354.4	2415.0	2493.3	2576.1	2623.9	2648.1	2655.8
22.5°	2149.4	2231.8	2291.6	2334.1	2398.5	2463.8	2536.8	2606.9	2658.8	2669.3	2673.1
20°	2201.9	2281.1	2381.1	2443.5	2440.4	2513.9	2584.3	2640.0	2683.3	2683.0	2684.1
17.5°	2353.9	2382.2	2563.6	2701.3	2633.1	2597.1	2790.6	2794.3	2805.8	2782.9	2733.4
15°	2578.9	2630.4	2853.3	3002.5	2955.5	2953.0	3232.5	3163.2	3222.8	3207.2	3274.4
12.5°	2817.3	2878.2	3044.8	3191.3	3261.1	3278.3	3371.7	3459.2	3477.1	3470.1	3456.9
10°	2979.7	3066.5	3133.3	3222.3	3292.8	3364.7	3418.7	3481.5	3502.1	3490.3	3473.4
7.5°	3000.8	3086.6	3165.1	3243.2	3310.3	3368.2	3424.3	3475.5	3496.4	3489.5	3477.9
5°	3014.3	3092.0	3168.1	3247.3	3311.5	3365.1	3421.0	3472.8	3485.2	3476.9	3465.6
2.5°	3022.6	3094.5	3167.8	3246.7	3305.0	3356.1	3412.7	3468.0	3467.9	3464.2	3457.7
0°	3026.6	3098.7	3183.9	3255.3	3320.5	3368.8	3424.9	3478.6	3474.7	3464.8	3453.3
-2.5°	3035.2	3108.3	3195.2	3254.4	3327.9	3372.2	3430.1	3476.6	3474.8	3469.9	3464.2
-5°	3042.9	3125.1	3206.4	3268.6	3342.3	3400.3	3457.8	3494.1	3496.1	3489.3	3479.7
-7.5°	3047.6	3138.7	3216.3	3278.8	3350.2	3417.6	3476.0	3514.1	3515.0	3505.9	3494.5
-10°	3046.0	3142.2	3222.1	3286.7	3359.8	3426.3	3487.3	3535.8	3534.2	3525.6	3515.8
-12.5°	3040.3	3136.4	3218.4	3283.1	3366.2	3434.7	3503.4	3551.5	3554.0	3547.6	3537.0
-15°	3027.6	3126.8	3206.6	3277.3	3358.8	3438.8	3509.4	3562.5	3572.0	3566.6	3558.2
-17.5°	3002.6	3107.3	3191.9	3268.1	3346.3	3431.6	3511.8	3569.9	3582.9	3580.7	3573.8
-20°	2969.8	3077.9	3163.7	3243.6	3328.7	3416.5	3509.9	3563.0	3581.7	3582.9	3578.2



REPORT NUMBER: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-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°	2932.9	3038.7	3129.8	3208.3	3300.6	3389.6	3474.1	3536.2	3567.8	3573.7	3574.1
-25°	2888.7	2997.4	3087.9	3171.5	3257.4	3349.3	3434.7	3504.1	3536.1	3551.4	3556.1
-27.5°	2826.3	2938.6	3027.7	3116.1	3203.4	3298.3	3388.1	3463.5	3489.5	3510.5	3519.0
-30°	2753.2	2864.2	2955.1	3035.9	3135.7	3232.5	3325.1	3391.0	3430.2	3454.3	3467.4
-32.5°	2669.0	2781.2	2876.5	2960.9	3055.8	3152.5	3239.7	3309.1	3363.3	3391.0	3405.1
-35°	2577.8	2692.3	2792.1	2881.0	2970.4	3062.6	3152.9	3225.5	3287.2	3311.1	3328.7
-37.5°	2467.8	2594.1	2696.4	2788.0	2873.0	2959.7	3053.7	3136.8	3196.7	3219.8	3238.4
-40°	2355.0	2477.0	2580.2	2678.0	2762.0	2856.6	2947.2	3034.3	3086.3	3113.2	3134.2
-42.5°	2235.8	2346.1	2444.3	2539.2	2632.7	2730.2	2820.7	2911.2	2956.1	2988.7	3014.5
-45°	2098.3	2200.9	2296.3	2385.2	2481.6	2577.4	2668.0	2747.9	2801.4	2843.7	2876.7
-47.5°	1915.1	2040.0	2135.8	2220.3	2315.9	2408.3	2496.1	2571.3	2629.9	2679.4	2717.7
-50°	1728.9	1848.9	1956.9	2051.8	2140.5	2225.9	2309.5	2383.1	2445.1	2498.8	2537.5
-52.5°	1545.6	1658.0	1765.2	1863.2	1948.4	2029.1	2105.5	2179.5	2245.0	2302.4	2339.8
-55°	1338.4	1454.9	1560.9	1652.3	1737.5	1817.2	1892.7	1962.8	2027.3	2085.7	2121.6
-57.5°	1144.1	1246.2	1344.8	1429.2	1509.6	1585.6	1657.2	1724.3	1786.4	1841.4	1876.0
-60°	965.5	1040.0	1124.8	1202.7	1274.0	1338.6	1405.4	1468.0	1525.0	1573.4	1605.6
-62.5°	807.6	869.3	930.6	989.8	1047.6	1105.7	1161.6	1213.5	1261.2	1300.8	1329.1
-65°	666.9	716.5	760.8	802.8	842.8	888.6	931.2	971.1	1008.1	1038.5	1060.0
-67.5°	549.2	584.0	614.6	643.4	675.0	707.4	737.7	764.2	786.8	804.8	819.0
-70°	442.8	468.5	491.6	514.6	537.6	558.7	578.7	598.2	616.7	631.7	643.0
-72.5°	346.8	364.3	380.1	397.8	414.4	430.3	444.2	455.4	464.1	472.6	480.0
-75°	264.4	277.5	295.3	310.3	322.7	333.6	343.7	352.6	360.5	367.5	373.6
-77.5°	212.7	223.9	235.1	246.1	256.6	264.5	271.8	279.1	286.3	292.5	297.9
-80°	157.6	166.0	174.7	183.5	192.2	196.5	200.0	203.2	206.1	209.7	213.2
-82.5°	96.4	101.1	105.9	110.9	115.8	117.0	117.4	117.3	116.7	115.4	113.3
-85°	42.9	43.1	43.0	42.5	41.7	40.0	37.9	35.5	32.8	32.4	31.9
-87.5°	9.4	9.2	9.0	8.7	8.3	8.3	8.3	8.2	8.1	8.4	8.7
-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: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-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	0.2
85°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.7	0.7
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.4	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.4	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8
67.5°	0.3	0.1	0.0	0.0	0.0	0.1	0.3	0.5	0.7	0.8	0.8
65°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.7	0.9	0.9
62.5°	1.4	1.4	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.4	1.5
60°	2.8	1.8	1.5	1.5	1.5	1.8	2.8	3.5	4.0	4.4	4.3
57.5°	16.9	12.6	10.8	10.0	10.8	12.6	16.9	20.1	21.6	65.8	79.8
55°	414.7	435.8	451.6	458.9	451.6	435.8	414.7	378.3	327.5	307.3	313.5
52.5°	575.8	585.0	590.3	590.1	590.3	585.0	575.8	566.0	554.7	535.8	518.1
50°	641.8	646.3	647.9	646.9	647.9	646.3	641.8	634.9	630.8	622.2	590.7
47.5°	948.1	866.0	805.7	791.2	805.7	866.0	948.1	985.2	944.5	861.8	768.1
45°	1350.2	1381.3	1412.3	1422.0	1412.3	1381.3	1350.2	1336.1	1306.6	1270.6	1233.4
42.5°	1489.5	1499.6	1505.4	1505.6	1505.4	1499.6	1489.5	1476.3	1445.0	1405.8	1357.5
40°	1556.0	1565.5	1571.1	1571.6	1571.1	1565.5	1556.0	1542.9	1519.3	1484.9	1440.6
37.5°	1616.3	1624.5	1629.9	1635.3	1629.9	1624.5	1616.3	1612.5	1609.4	1574.4	1548.0
35°	1889.2	1827.4	1738.4	1751.9	1738.4	1827.4	1889.2	1896.3	1843.5	1745.2	1792.4
32.5°	2358.2	2384.2	2400.4	2428.0	2400.4	2384.2	2358.2	2334.3	2349.6	2295.9	2180.3
30°	2574.7	2583.2	2596.2	2609.9	2596.2	2583.2	2574.7	2567.8	2563.5	2500.9	2431.1
27.5°	2628.6	2637.5	2645.4	2651.3	2645.4	2637.5	2628.6	2623.6	2614.0	2574.7	2515.3
25°	2656.9	2662.4	2670.8	2678.2	2670.8	2662.4	2656.9	2655.8	2648.1	2623.9	2576.1
22.5°	2670.9	2671.5	2678.1	2687.4	2678.1	2671.5	2670.9	2673.1	2669.3	2658.8	2606.9
20°	2680.6	2675.4	2682.1	2688.2	2682.1	2675.4	2680.6	2684.1	2683.0	2683.3	2640.0
17.5°	2803.3	2733.3	2704.5	2705.0	2704.5	2733.3	2803.3	2733.4	2782.9	2805.8	2794.3
15°	3199.0	3225.3	3326.0	3380.3	3326.0	3225.3	3199.0	3274.4	3207.2	3222.8	3163.2
12.5°	3454.4	3445.1	3433.1	3449.4	3433.1	3445.1	3454.4	3456.9	3470.1	3477.1	3459.2
10°	3466.3	3465.2	3443.9	3467.1	3443.9	3465.2	3466.3	3473.4	3490.3	3502.1	3481.5
7.5°	3459.0	3459.7	3450.5	3473.2	3450.5	3459.7	3459.0	3477.9	3489.5	3496.4	3475.5
5°	3463.8	3448.2	3454.1	3467.1	3454.1	3448.2	3463.8	3465.6	3476.9	3485.2	3472.8
2.5°	3450.4	3448.8	3437.3	3446.3	3437.3	3448.8	3450.4	3457.7	3464.2	3467.9	3468.0
0°	3440.2	3431.8	3431.8	3439.4	3431.8	3431.8	3440.2	3453.3	3464.8	3474.7	3478.6
-2.5°	3458.3	3456.6	3455.5	3450.2	3455.5	3456.6	3458.3	3464.2	3469.9	3474.8	3476.6
-5°	3473.3	3468.7	3456.1	3473.2	3456.1	3468.7	3473.3	3479.7	3489.3	3496.1	3494.1
-7.5°	3489.3	3477.7	3465.7	3492.4	3465.7	3477.7	3489.3	3494.5	3505.9	3515.0	3514.1
-10°	3504.0	3487.1	3475.5	3501.6	3475.5	3487.1	3504.0	3515.8	3525.6	3534.2	3535.8
-12.5°	3523.4	3503.7	3495.9	3510.0	3495.9	3503.7	3523.4	3537.0	3547.6	3554.0	3551.5
-15°	3544.0	3530.4	3528.5	3536.9	3528.5	3530.4	3544.0	3558.2	3566.6	3572.0	3562.5
-17.5°	3562.2	3552.6	3557.3	3566.8	3557.3	3552.6	3562.2	3573.8	3580.7	3582.9	3569.9
-20°	3570.9	3565.5	3570.8	3594.5	3570.8	3565.5	3570.9	3578.2	3582.9	3581.7	3563.0



REPORT NUMBER: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-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°	3570.1	3570.5	3579.8	3587.5	3579.8	3570.5	3570.1	3574.1	3573.7	3567.8	3536.2
-25°	3556.4	3563.6	3574.4	3589.8	3574.4	3563.6	3556.4	3556.1	3551.4	3536.1	3504.1
-27.5°	3523.6	3535.5	3546.8	3563.0	3546.8	3535.5	3523.6	3519.0	3510.5	3489.5	3463.5
-30°	3476.1	3490.3	3500.4	3517.7	3500.4	3490.3	3476.1	3467.4	3454.3	3430.2	3391.0
-32.5°	3418.3	3434.4	3446.2	3458.6	3446.2	3434.4	3418.3	3405.1	3391.0	3363.3	3309.1
-35°	3346.1	3363.3	3376.0	3387.3	3376.0	3363.3	3346.1	3328.7	3311.1	3287.2	3225.5
-37.5°	3259.2	3277.9	3292.2	3305.1	3292.2	3277.9	3259.2	3238.4	3219.8	3196.7	3136.8
-40°	3158.1	3177.2	3192.5	3206.9	3192.5	3177.2	3158.1	3134.2	3113.2	3086.3	3034.3
-42.5°	3039.8	3059.1	3075.0	3089.5	3075.0	3059.1	3039.8	3014.5	2988.7	2956.1	2911.2
-45°	2903.2	2923.1	2939.8	2955.2	2939.8	2923.1	2903.2	2876.7	2843.7	2801.4	2747.9
-47.5°	2745.9	2767.1	2781.5	2788.7	2781.5	2767.1	2745.9	2717.7	2679.4	2629.9	2571.3
-50°	2565.6	2586.9	2604.1	2616.8	2604.1	2586.9	2565.6	2537.5	2498.8	2445.1	2383.1
-52.5°	2367.2	2387.4	2402.2	2411.1	2402.2	2387.4	2367.2	2339.8	2302.4	2245.0	2179.5
-55°	2149.9	2171.1	2185.1	2191.7	2185.1	2171.1	2149.9	2121.6	2085.7	2027.3	1962.8
-57.5°	1903.4	1923.5	1938.5	1946.9	1938.5	1923.5	1903.4	1876.0	1841.4	1786.4	1724.3
-60°	1630.7	1648.7	1660.0	1664.5	1660.0	1648.7	1630.7	1605.6	1573.4	1525.0	1468.0
-62.5°	1351.9	1368.9	1379.5	1383.6	1379.5	1368.9	1351.9	1329.1	1300.8	1261.2	1213.5
-65°	1076.1	1086.8	1092.7	1093.5	1092.7	1086.8	1076.1	1060.0	1038.5	1008.1	971.1
-67.5°	830.2	838.3	843.2	844.9	843.2	838.3	830.2	819.0	804.8	786.8	764.2
-70°	651.5	657.1	660.2	660.7	660.2	657.1	651.5	643.0	631.7	616.7	598.2
-72.5°	485.7	489.7	488.3	485.0	488.3	489.7	485.7	480.0	472.6	464.1	455.4
-75°	378.9	383.3	381.4	378.3	381.4	383.3	378.9	373.6	367.5	360.5	352.6
-77.5°	302.7	306.7	304.7	301.6	304.7	306.7	302.7	297.9	292.5	286.3	279.1
-80°	216.1	218.5	220.2	221.0	220.2	218.5	216.1	213.2	209.7	206.1	203.2
-82.5°	110.6	107.4	105.3	102.8	105.3	107.4	110.6	113.3	115.4	116.7	117.3
-85°	31.3	30.5	31.1	31.5	31.1	30.5	31.3	31.9	32.4	32.8	35.5
-87.5°	8.9	9.2	9.2	9.2	9.2	9.2	8.9	8.7	8.4	8.1	8.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-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°	0.4	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0
65°	1.0	0.9	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0
62.5°	1.5	1.6	1.6	1.7	1.7	2.1	1.9	1.9	1.8	2.2	3.0
60°	3.7	2.9	4.3	4.8	4.1	7.1	12.0	10.8	3.2	17.4	20.0
57.5°	50.8	42.1	88.3	88.0	36.8	49.8	66.7	43.9	28.7	49.2	65.0
55°	354.1	324.3	281.9	277.4	292.1	221.9	185.6	178.6	139.8	90.8	108.0
52.5°	499.2	469.5	440.6	413.7	391.6	368.0	333.4	295.9	283.9	228.6	176.3
50°	564.9	593.8	565.3	495.8	508.1	474.5	425.7	385.9	394.1	360.2	290.5
47.5°	766.1	801.3	802.1	760.7	714.5	700.2	628.6	504.1	512.5	511.0	437.1
45°	1121.6	1072.4	1090.7	1032.4	950.9	905.8	903.3	770.2	646.8	626.8	619.7
42.5°	1316.4	1279.9	1242.2	1198.8	1126.7	1054.8	1010.4	935.5	836.3	748.5	717.4
40°	1395.1	1352.7	1317.5	1281.5	1223.4	1149.8	1114.1	1015.7	941.2	865.2	839.8
37.5°	1490.3	1409.8	1441.2	1373.1	1319.3	1301.3	1273.6	1171.2	1006.0	992.1	979.3
35°	1702.9	1627.6	1700.1	1687.2	1472.7	1496.6	1515.0	1389.2	1216.2	1122.4	1124.4
32.5°	2188.0	2014.4	1961.4	2026.3	1913.5	1726.2	1729.0	1690.7	1454.6	1318.1	1258.3
30°	2363.5	2286.5	2203.0	2191.7	2107.7	1999.4	1930.6	1838.5	1666.7	1510.9	1408.5
27.5°	2439.3	2369.3	2299.0	2244.8	2196.2	2122.7	2032.9	1924.8	1802.5	1662.9	1563.5
25°	2493.3	2415.0	2354.4	2294.5	2242.2	2186.6	2094.9	1989.5	1875.4	1762.9	1656.1
22.5°	2536.8	2463.8	2398.5	2334.1	2291.6	2231.8	2149.4	2040.6	1964.1	1892.5	1753.7
20°	2584.3	2513.9	2440.4	2443.5	2381.1	2281.1	2201.9	2147.8	2137.3	2056.8	1877.5
17.5°	2790.6	2597.1	2633.1	2701.3	2563.6	2382.2	2353.9	2356.9	2323.7	2248.9	2026.0
15°	3232.5	2953.0	2955.5	3002.5	2853.3	2630.4	2578.9	2572.7	2520.3	2437.5	2182.7
12.5°	3371.7	3278.3	3261.1	3191.3	3044.8	2878.2	2817.3	2784.3	2688.2	2528.1	2295.5
10°	3418.7	3364.7	3292.8	3222.3	3133.3	3066.5	2979.7	2859.6	2723.3	2568.8	2379.5
7.5°	3424.3	3368.2	3310.3	3243.2	3165.1	3086.6	3000.8	2881.5	2749.7	2598.2	2438.7
5°	3421.0	3365.1	3311.5	3247.3	3168.1	3092.0	3014.3	2896.3	2767.5	2617.3	2477.6
2.5°	3412.7	3356.1	3305.0	3246.7	3167.8	3094.5	3022.6	2912.2	2780.3	2633.2	2490.6
0°	3424.9	3368.8	3320.5	3255.3	3183.9	3098.7	3026.6	2928.4	2786.4	2643.7	2495.5
-2.5°	3430.1	3372.2	3327.9	3254.4	3195.2	3108.3	3035.2	2940.3	2798.0	2662.2	2507.4
-5°	3457.8	3400.3	3342.3	3268.6	3206.4	3125.1	3042.9	2945.2	2806.7	2672.2	2512.7
-7.5°	3476.0	3417.6	3350.2	3278.8	3216.3	3138.7	3047.6	2945.6	2814.7	2672.0	2515.3
-10°	3487.3	3426.3	3359.8	3286.7	3222.1	3142.2	3046.0	2943.1	2813.1	2665.8	2509.7
-12.5°	3503.4	3434.7	3366.2	3283.1	3218.4	3136.4	3040.3	2937.2	2801.0	2654.2	2495.3
-15°	3509.4	3438.8	3358.8	3277.3	3206.6	3126.8	3027.6	2919.8	2780.0	2636.2	2471.9
-17.5°	3511.8	3431.6	3346.3	3268.1	3191.9	3107.3	3002.6	2887.9	2753.0	2604.4	2440.9
-20°	3509.9	3416.5	3328.7	3243.6	3163.7	3077.9	2969.8	2856.2	2714.4	2563.3	2400.8



REPORT NUMBER: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-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°	3474.1	3389.6	3300.6	3208.3	3129.8	3038.7	2932.9	2815.4	2664.3	2518.1	2349.8
-25°	3434.7	3349.3	3257.4	3171.5	3087.9	2997.4	2888.7	2755.5	2612.0	2459.9	2287.8
-27.5°	3388.1	3298.3	3203.4	3116.1	3027.7	2938.6	2826.3	2692.1	2553.9	2387.6	2220.5
-30°	3325.1	3232.5	3135.7	3035.9	2955.1	2864.2	2753.2	2622.8	2474.4	2310.2	2151.3
-32.5°	3239.7	3152.5	3055.8	2960.9	2876.5	2781.2	2669.0	2539.6	2383.9	2228.5	2063.2
-35°	3152.9	3062.6	2970.4	2881.0	2792.1	2692.3	2577.8	2437.0	2288.1	2134.3	1962.7
-37.5°	3053.7	2959.7	2873.0	2788.0	2696.4	2594.1	2467.8	2331.7	2186.6	2017.4	1854.1
-40°	2947.2	2856.6	2762.0	2678.0	2580.2	2477.0	2355.0	2222.7	2063.1	1895.9	1742.4
-42.5°	2820.7	2730.2	2632.7	2539.2	2444.3	2346.1	2235.8	2092.7	1934.5	1776.9	1617.5
-45°	2668.0	2577.4	2481.6	2385.2	2296.3	2200.9	2098.3	1945.8	1789.6	1639.3	1486.3
-47.5°	2496.1	2408.3	2315.9	2220.3	2135.8	2040.0	1915.1	1773.1	1634.9	1491.9	1335.3
-50°	2309.5	2225.9	2140.5	2051.8	1956.9	1848.9	1728.9	1605.1	1468.1	1321.3	1178.3
-52.5°	2105.5	2029.1	1948.4	1863.2	1765.2	1658.0	1545.6	1414.1	1277.5	1152.9	1022.8
-55°	1892.7	1817.2	1737.5	1652.3	1560.9	1454.9	1338.4	1218.8	1107.3	992.0	892.8
-57.5°	1657.2	1585.6	1509.6	1429.2	1344.8	1246.2	1144.1	1042.6	954.2	864.7	774.7
-60°	1405.4	1338.6	1274.0	1202.7	1124.8	1040.0	965.5	890.6	815.6	744.2	671.6
-62.5°	1161.6	1105.7	1047.6	989.8	930.6	869.3	807.6	749.8	690.7	630.1	576.7
-65°	931.2	888.6	842.8	802.8	760.8	716.5	666.9	621.6	578.6	534.2	488.8
-67.5°	737.7	707.4	675.0	643.4	614.6	584.0	549.2	512.5	478.4	445.6	412.2
-70°	578.7	558.7	537.6	514.6	491.6	468.5	442.8	415.9	388.6	363.9	340.4
-72.5°	444.2	430.3	414.4	397.8	380.1	364.3	346.8	328.6	310.1	291.4	273.6
-75°	343.7	333.6	322.7	310.3	295.3	277.5	264.4	255.5	244.3	230.8	215.9
-77.5°	271.8	264.5	256.6	246.1	235.1	223.9	212.7	201.7	190.8	180.5	171.0
-80°	200.0	196.5	192.2	183.5	174.7	166.0	157.6	150.9	144.5	137.5	128.9
-82.5°	117.4	117.0	115.8	110.9	105.9	101.1	96.4	91.6	86.6	81.4	76.1
-85°	37.9	40.0	41.7	42.5	43.0	43.1	42.9	41.6	40.2	38.5	36.7
-87.5°	8.3	8.3	8.3	8.7	9.0	9.2	9.4	9.9	10.3	10.6	10.8
-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: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-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°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.4
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.2	1.2
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.2	1.3
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.2	1.4
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.0	1.2	1.4
72.5°	0.8	0.8	0.8	0.9	1.0	1.0	0.9	0.9	1.0	1.2	1.4
70°	0.9	0.8	0.8	0.9	1.1	1.2	1.2	1.2	1.1	1.2	1.4
67.5°	1.1	1.2	1.1	1.1	1.1	1.3	1.5	1.7	1.7	1.3	1.4
65°	1.2	1.3	1.6	2.2	1.9	1.3	1.5	3.0	2.4	2.0	1.4
62.5°	2.5	1.4	4.8	6.5	3.6	2.8	2.3	6.7	4.2	2.8	2.0
60°	6.0	4.9	13.5	21.6	15.1	5.1	7.5	11.6	10.6	3.7	2.9
57.5°	56.3	19.3	28.0	40.5	39.8	21.6	15.8	21.0	18.1	10.4	4.1
55°	120.2	101.1	66.8	61.1	66.0	53.3	34.7	34.0	27.9	19.3	6.6
52.5°	164.9	172.0	149.7	104.6	91.1	86.7	67.8	49.4	43.8	29.0	16.8
50°	238.6	222.2	220.0	184.7	127.7	115.6	100.0	77.2	61.5	41.5	28.4
47.5°	337.1	296.1	274.4	258.5	203.8	147.4	131.2	105.5	81.1	59.9	40.5
45°	481.7	382.7	340.7	315.0	279.3	207.2	164.2	133.1	105.6	80.4	53.2
42.5°	626.9	494.8	416.4	374.9	337.7	274.9	199.5	164.8	129.6	101.3	69.4
40°	755.1	610.4	496.0	442.6	395.1	340.2	256.7	198.8	153.1	122.8	87.7
37.5°	909.4	742.0	587.6	513.5	456.3	394.8	314.7	234.3	181.3	145.3	106.1
35°	1058.7	912.3	690.0	599.2	524.3	450.7	370.6	276.2	215.9	168.2	124.5
32.5°	1219.0	1072.6	844.8	695.0	594.8	507.9	422.8	327.3	250.7	191.3	142.8
30°	1345.2	1178.1	980.7	790.8	671.5	571.7	474.9	376.2	285.7	214.7	161.3
27.5°	1412.1	1269.4	1087.9	897.6	757.8	637.1	528.6	423.0	320.5	240.4	180.6
25°	1481.2	1333.7	1164.5	991.0	843.0	706.3	582.1	467.6	358.6	269.4	199.6
22.5°	1564.0	1388.3	1229.1	1064.9	930.9	776.5	638.2	512.8	396.7	297.8	218.3
20°	1647.1	1439.1	1292.9	1165.6	1017.1	852.5	696.8	556.8	432.6	325.4	236.7
17.5°	1734.4	1531.3	1401.2	1263.9	1103.0	926.1	754.6	599.5	466.4	352.2	254.5
15°	1886.2	1669.3	1510.2	1359.5	1188.6	996.9	810.9	640.5	497.8	378.0	271.0
12.5°	2024.1	1797.8	1619.3	1451.9	1272.7	1064.4	865.3	679.5	526.9	398.5	285.8
10°	2138.1	1916.9	1727.1	1540.7	1354.3	1128.1	917.2	711.2	544.4	413.8	299.4
7.5°	2231.5	2027.1	1832.3	1625.1	1424.5	1169.8	943.3	729.8	557.9	426.9	311.8
5°	2299.1	2100.5	1888.2	1654.6	1446.4	1186.9	961.1	744.8	568.9	437.7	322.9
2.5°	2318.5	2123.1	1909.2	1670.7	1461.2	1198.0	973.8	756.4	577.2	446.6	332.9
0°	2329.8	2137.9	1922.3	1680.6	1468.8	1203.3	981.5	764.3	583.2	453.5	341.5
-2.5°	2345.6	2150.7	1935.0	1706.1	1473.8	1219.4	985.8	769.5	590.7	456.0	346.5
-5°	2353.5	2155.8	1941.1	1723.2	1472.5	1229.0	985.3	771.1	595.6	456.8	350.2
-7.5°	2350.1	2154.1	1941.3	1728.6	1465.8	1231.2	979.9	769.4	597.6	456.2	352.5
-10°	2339.4	2145.4	1933.9	1714.7	1459.7	1222.5	970.4	764.5	596.4	454.2	353.4
-12.5°	2323.3	2129.0	1918.7	1694.7	1446.9	1204.6	959.2	756.1	591.6	451.1	352.8
-15°	2302.4	2105.3	1895.7	1669.3	1425.9	1180.7	942.3	743.9	582.2	447.6	350.7
-17.5°	2275.6	2074.3	1864.7	1639.2	1396.3	1151.1	919.6	728.1	570.5	443.2	346.5
-20°	2227.7	2032.7	1825.3	1605.0	1357.9	1116.1	891.0	708.6	556.5	437.0	340.5



REPORT NUMBER: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-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°
-22.5°	2173.9	1981.2	1776.1	1558.9	1311.6	1075.8	856.4	685.3	540.4	429.0	333.2
-25°	2116.5	1923.2	1719.1	1495.0	1260.5	1033.2	821.8	658.5	522.3	419.0	324.8
-27.5°	2049.1	1857.6	1654.4	1424.6	1201.1	983.8	788.7	634.7	504.8	407.1	315.2
-30°	1973.3	1780.4	1573.5	1349.5	1136.0	926.7	751.4	609.3	489.9	394.1	304.6
-32.5°	1886.5	1695.3	1483.8	1272.7	1067.3	866.1	710.4	582.1	472.8	380.3	294.7
-35°	1787.6	1596.3	1388.9	1190.2	994.5	817.1	670.2	553.3	453.3	365.4	284.3
-37.5°	1684.7	1490.1	1293.9	1104.0	917.0	764.1	634.1	524.8	431.6	349.5	272.8
-40°	1567.1	1380.8	1194.2	1015.2	850.0	707.2	595.1	496.7	411.0	332.5	260.3
-42.5°	1446.0	1266.2	1090.3	921.3	783.8	660.8	554.2	466.4	389.3	316.1	246.7
-45°	1315.4	1145.1	979.7	842.1	716.6	611.8	518.3	435.0	366.2	299.3	232.6
-47.5°	1177.6	1017.5	879.2	759.6	659.3	562.4	480.2	407.9	341.9	281.3	218.5
-50°	1031.7	898.8	786.6	687.9	597.6	518.0	442.3	379.4	319.7	261.5	203.7
-52.5°	902.4	795.9	703.1	618.6	543.3	471.4	409.5	350.3	296.8	242.4	188.3
-55°	791.6	704.3	626.0	555.7	489.4	431.3	375.5	324.4	273.2	223.4	172.7
-57.5°	696.0	619.6	556.9	495.9	441.1	391.6	344.6	298.0	250.6	203.6	160.2
-60°	604.0	547.1	491.3	442.2	395.8	353.8	315.4	271.5	227.8	183.9	146.5
-62.5°	524.7	476.0	433.9	391.0	352.5	318.3	286.0	245.7	204.4	165.6	131.5
-65°	450.3	412.9	377.0	342.8	310.9	281.9	255.8	219.2	180.9	146.2	116.0
-67.5°	379.6	351.4	323.2	294.6	269.5	246.0	223.6	190.5	156.3	125.8	100.7
-70°	316.5	292.4	270.3	249.1	228.7	209.1	188.0	160.1	130.6	107.6	85.0
-72.5°	256.9	239.3	221.0	203.5	188.4	171.2	151.8	130.0	109.4	89.0	68.9
-75°	201.7	190.1	177.2	163.3	149.2	133.8	121.0	105.8	87.8	70.1	55.5
-77.5°	161.4	150.1	137.1	126.0	116.6	106.1	94.5	81.3	67.0	54.5	42.9
-80°	119.0	110.4	103.1	96.7	88.0	78.4	68.8	59.1	48.7	39.0	30.1
-82.5°	72.6	70.7	68.7	65.7	58.5	51.4	44.4	37.5	30.1	23.3	19.3
-85°	36.3	35.6	34.5	33.0	28.5	24.2	22.1	20.1	17.6	15.2	12.9
-87.5°	11.9	12.8	13.6	14.1	13.1	12.1	11.1	10.1	8.8	7.6	6.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-727-U-LAM-VSR-XX

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°	0.4	0.3	0.3	0.2	0.1	0.1	0.0
85°	0.8	0.6	0.5	0.4	0.3	0.2	0.0
82.5°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
80°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
77.5°	1.5	1.5	1.3	1.0	0.7	0.4	0.0
75°	1.5	1.6	1.5	1.2	0.8	0.5	0.0
72.5°	1.5	1.6	1.6	1.3	0.9	0.6	0.0
70°	1.6	1.7	1.7	1.5	1.1	0.7	0.0
67.5°	1.8	1.7	1.7	1.6	1.2	0.7	0.0
65°	2.0	2.0	1.8	1.7	1.3	0.8	0.0
62.5°	2.4	2.5	1.9	1.8	1.5	0.9	0.0
60°	2.8	3.1	2.0	1.8	1.6	1.0	0.0
57.5°	5.2	3.7	2.6	1.9	1.7	1.1	0.0
55°	8.3	4.3	3.2	2.0	1.8	1.1	0.0
52.5°	12.0	5.5	3.9	2.1	1.9	1.2	0.0
50°	16.2	9.5	4.6	2.2	2.0	1.3	0.0
47.5°	21.8	13.7	5.3	2.4	2.1	1.4	0.0
45°	32.8	18.3	6.1	3.0	2.1	1.4	0.0
42.5°	44.2	23.1	6.9	3.6	2.2	1.5	0.0
40°	55.8	28.2	9.3	4.3	2.3	1.6	0.0
37.5°	67.6	33.6	13.3	5.2	2.4	1.6	0.0
35°	79.6	41.8	17.3	6.2	2.5	1.7	0.0
32.5°	92.6	51.2	21.5	7.4	2.6	1.8	0.0
30°	107.5	60.6	25.6	8.6	2.7	1.8	0.0
27.5°	122.1	69.9	30.7	9.9	2.8	1.9	0.0
25°	136.3	79.0	36.0	11.2	2.9	1.9	0.0
22.5°	150.1	88.3	41.2	12.7	3.0	2.0	0.0
20°	163.5	98.3	46.4	14.1	3.1	2.0	0.0
17.5°	176.7	108.0	51.5	15.6	3.2	2.1	0.0
15°	189.4	117.3	56.5	17.1	3.3	2.1	0.0
12.5°	201.3	126.1	61.3	18.6	3.4	2.2	0.0
10°	212.3	134.5	65.9	20.1	3.5	2.2	0.0
7.5°	222.4	142.3	70.2	21.5	3.6	2.2	0.0
5°	231.6	149.5	74.3	22.9	3.7	2.3	0.0
2.5°	239.8	156.1	78.0	24.1	3.7	2.3	0.0
0°	247.1	161.9	81.3	25.3	3.8	2.3	0.0
-2.5°	250.7	165.6	84.4	27.0	4.4	2.4	0.0
-5°	253.4	168.5	87.0	28.5	5.0	2.6	0.0
-7.5°	255.1	170.6	89.2	29.8	5.6	2.7	0.0
-10°	255.8	172.0	90.8	31.0	6.1	2.8	0.0
-12.5°	255.7	172.5	91.9	32.0	6.6	2.9	0.0
-15°	254.7	172.3	92.4	32.8	7.1	3.0	0.0
-17.5°	252.8	171.2	92.4	33.4	7.6	3.1	0.0
-20°	249.9	169.4	91.7	33.7	8.0	3.1	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645381 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-727-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	245.8	166.8	90.4	33.8	8.4	3.2	0.0
-25°	240.6	162.8	88.5	33.6	8.8	3.3	0.0
-27.5°	234.5	157.8	85.9	33.2	9.0	3.3	0.0
-30°	227.4	152.1	82.7	32.5	9.3	3.3	0.0
-32.5°	219.4	145.7	78.9	31.6	9.5	3.3	0.0
-35°	210.8	138.7	74.7	30.3	9.6	3.3	0.0
-37.5°	201.4	131.7	70.1	28.8	9.6	3.3	0.0
-40°	191.4	125.3	65.1	27.0	9.7	3.3	0.0
-42.5°	180.6	118.4	61.3	25.1	9.6	3.2	0.0
-45°	169.2	111.1	58.7	23.1	9.5	3.2	0.0
-47.5°	157.1	103.4	55.7	20.9	9.3	3.1	0.0
-50°	147.0	95.3	52.1	20.1	9.1	3.0	0.0
-52.5°	136.9	86.8	48.2	19.7	8.8	2.9	0.0
-55°	126.4	80.4	43.8	19.1	8.4	2.8	0.0
-57.5°	115.5	73.8	38.9	18.3	8.0	2.6	0.0
-60°	104.5	66.7	33.9	17.2	7.6	2.5	0.0
-62.5°	94.4	59.0	31.5	16.0	7.1	2.3	0.0
-65°	83.6	50.8	28.7	14.6	6.6	2.1	0.0
-67.5°	72.1	43.9	25.7	13.0	6.1	2.0	0.0
-70°	60.1	38.4	22.3	11.3	5.5	1.8	0.0
-72.5°	50.8	32.5	18.7	9.9	4.9	1.6	0.0
-75°	41.5	26.2	14.9	8.6	4.2	1.4	0.0
-77.5°	31.8	19.7	12.3	7.3	3.6	1.1	0.0
-80°	21.7	15.0	9.9	5.9	2.9	0.9	0.0
-82.5°	15.9	11.3	7.5	4.5	2.2	0.7	0.0
-85°	10.7	7.6	5.0	3.0	1.5	0.5	0.0
-87.5°	5.4	3.8	2.5	1.5	0.7	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)