

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: P627622 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5C-727-U-WR-VSR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627622 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5C-727-U-WR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6 WITH VISOR
Light Source: (80) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20733.2 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 5H x 5V
Max Intensity: 23501.3 candela
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 50.9°H x 47.1°V
Beam Lumens: 9982.1 lumens
Beam Efficiency: 48.1%

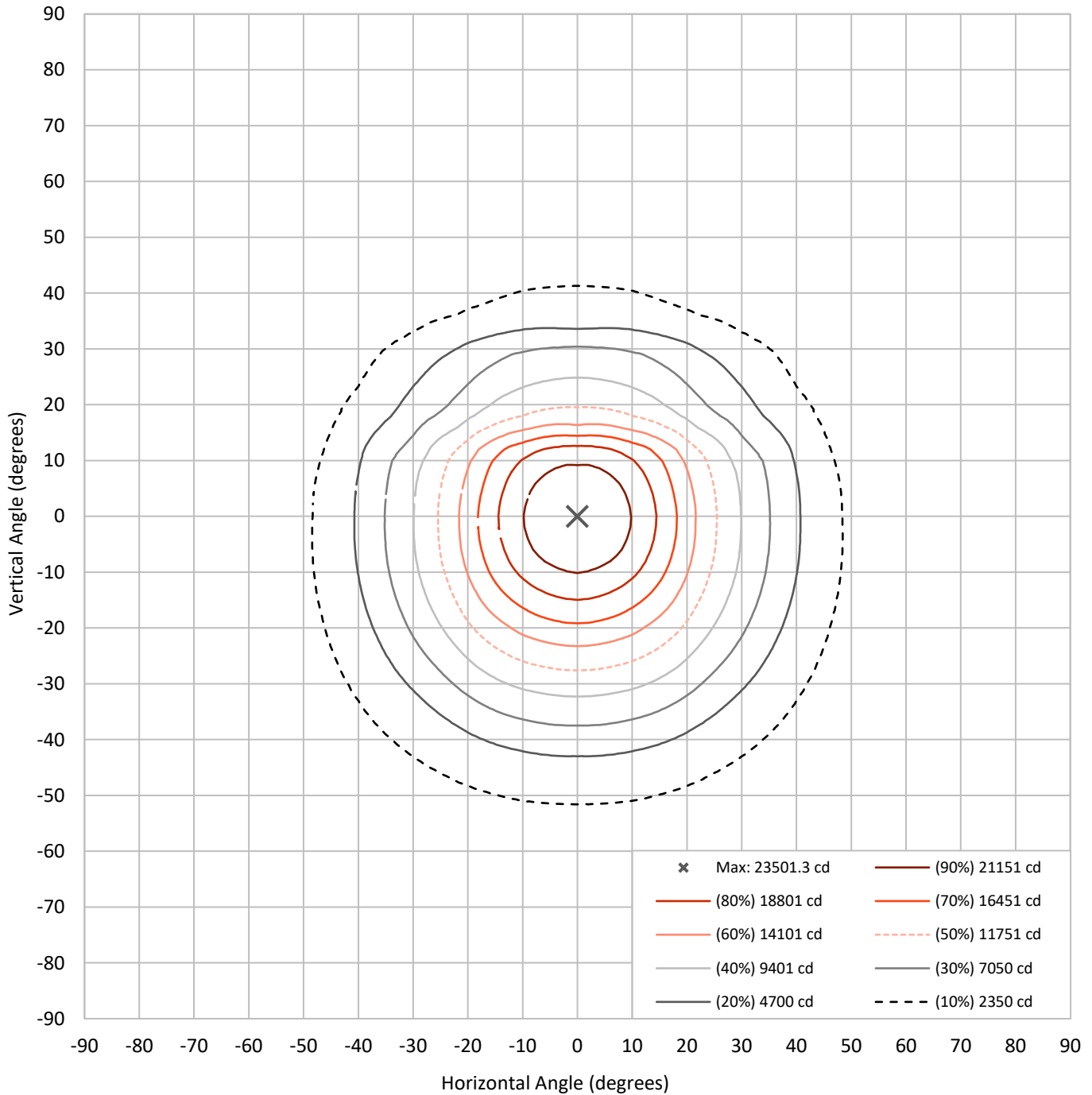
Field Angle (10%): 96.7°H x 92.9°V
Field Lumens: 18563.3 lumens
Field Efficiency: 89.5%

Input Watts (W): 206.13
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: P627622 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-727-U-WR-VSR-XX

Iso-Candela Plot





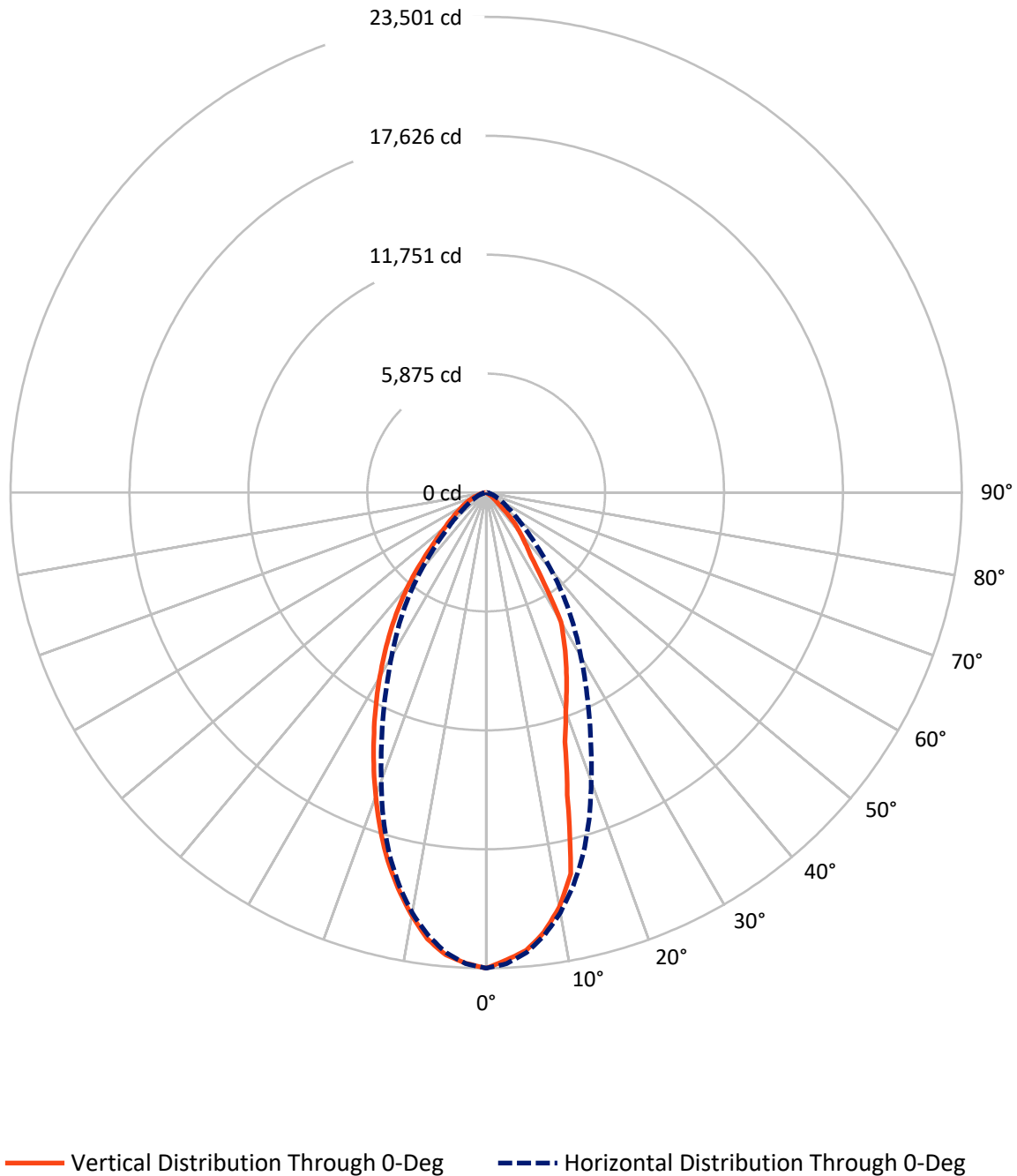
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Lumen Table

90																			
80	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0		
70																			
60	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1			
50		0.4	1.1	2.0	3.3	4.8	6.5	7.3	7.3	6.5	4.8	3.3	2.0	1.1	0.4				
40	0.9	1.6	4.0	8.4	15.4	25.3	36.5	44.8	44.8	36.5	25.3	15.4	8.4	4.0	1.6	0.9			
30		3.1	8.1	18.8	38.7	71.1	108.8	130.7	130.7	108.8	71.1	38.7	18.8	8.1	3.1				
20	2.3	4.9	13.1	34.1	80.5	151.2	230.1	277.4	277.4	230.1	151.2	80.5	34.1	13.1	4.9	2.3			
10		6.7	18.7	53.4	132.5	245.0	382.9	473.3	473.3	382.9	245.0	132.5	53.4	18.7	6.7				
0	3.2	7.8	23.5	69.1	174.0	324.3	520.7	660.1	660.1	520.7	324.3	174.0	69.1	23.5	7.8	3.2			
-10		8.2	24.5	71.2	176.5	329.0	525.9	664.3	664.3	525.9	329.0	176.5	71.2	24.5	8.2				
-20	3.4	8.1	23.2	63.5	156.4	288.9	445.2	549.4	549.4	445.2	288.9	156.4	63.5	23.2	8.1	3.4			
-30		7.4	20.1	49.7	116.7	217.8	324.5	389.2	389.2	324.5	217.8	116.7	49.7	20.1	7.4				
-40	2.9	6.5	16.3	35.9	73.4	135.1	203.8	242.6	242.6	203.8	135.1	73.4	35.9	16.3	6.5	2.9			
-50		5.4	12.6	24.8	44.1	70.7	101.4	120.7	120.7	101.4	70.7	44.1	24.8	12.6	5.4				
-60	1.8	4.2	9.1	16.5	27.0	38.8	50.1	56.7	56.7	50.1	38.8	27.0	16.5	9.1	4.2	1.8			
-70		2.9	6.1	10.2	15.6	21.3	26.1	28.5	28.5	26.1	21.3	15.6	10.2	6.1	2.9				
-80	0.5	5.9	15.2	27.2	24.8	27.2	15.2	5.9	0.5										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

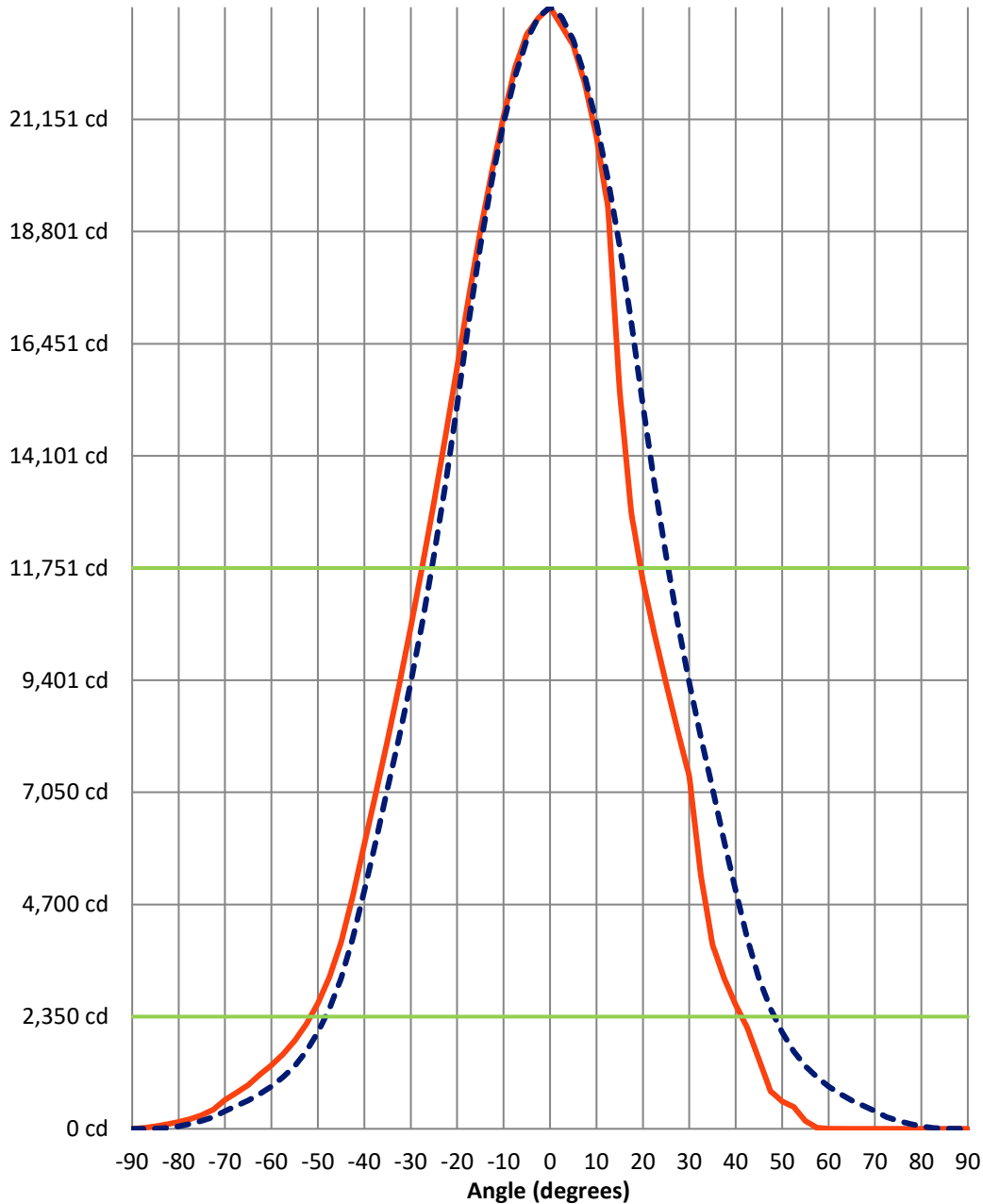
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 50.9°
V Angle: 47.1°
Lumens: 9982.1
Efficiency: 48.1%

Field:
H Angle: 96.7°
V Angle: 92.9°
Lumens: 18563.3
Efficiency: 89.5%

Spill:
Lumens: 2169.9
Efficiency: 10.5%

— Vertical Distribution through 0-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	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.7	0.7
85°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.4
82.5°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	1.7	1.7
80°	0.0	0.3	0.6	0.9	1.2	1.5	1.7	1.7	1.7	1.7	1.7
77.5°	0.0	0.4	0.7	1.1	1.5	1.7	1.7	1.7	1.7	1.7	1.7
75°	0.0	0.4	0.9	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	0.0	0.5	1.0	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7
70°	0.0	0.6	1.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8
67.5°	0.0	0.7	1.3	1.7	1.7	1.7	1.8	1.7	1.7	2.2	2.1
65°	0.0	0.7	1.4	1.7	1.7	1.9	2.0	1.7	2.4	2.8	3.2
62.5°	0.0	0.8	1.6	1.7	1.7	2.3	2.3	2.3	3.2	4.5	7.0
60°	0.0	0.8	1.7	1.7	1.7	2.7	2.6	3.2	4.0	11.1	12.0
57.5°	0.0	0.9	1.7	1.7	2.2	3.2	4.5	4.3	10.9	18.7	20.6
55°	0.0	1.0	1.7	1.7	2.7	3.7	6.9	6.4	20.0	28.2	31.9
52.5°	0.0	1.0	1.8	1.7	3.2	4.6	9.7	15.8	30.0	41.9	45.2
50°	0.0	1.1	1.8	1.7	3.8	7.6	12.8	26.1	41.9	57.0	68.9
47.5°	0.0	1.1	1.9	1.8	4.3	10.7	17.1	36.5	57.5	73.7	93.6
45°	0.0	1.2	1.9	2.3	4.9	14.0	26.2	47.1	73.2	95.5	117.9
42.5°	0.0	1.3	2.0	2.7	5.6	17.5	35.2	59.4	88.8	117.0	144.9
40°	0.0	1.3	2.0	3.3	7.3	21.1	44.2	73.0	105.1	138.0	173.1
37.5°	0.0	1.3	2.1	4.0	10.2	25.0	53.2	86.4	122.7	159.6	201.9
35°	0.0	1.4	2.2	4.8	13.1	31.1	62.1	99.6	140.4	185.4	233.2
32.5°	0.0	1.4	2.2	5.7	16.1	38.1	71.4	112.6	158.2	211.9	268.4
30°	0.0	1.5	2.3	6.6	19.0	44.9	81.9	125.8	175.8	239.0	303.9
27.5°	0.0	1.5	2.4	7.5	22.4	51.5	92.1	140.2	195.3	266.5	339.5
25°	0.0	1.5	2.5	8.5	25.8	57.9	101.9	154.3	217.7	295.7	375.1
22.5°	0.0	1.6	2.6	9.6	29.1	64.1	111.3	168.1	239.9	325.3	411.3
20°	0.0	1.6	2.7	10.6	32.3	70.2	120.3	181.4	261.7	354.3	445.7
17.5°	0.0	1.6	2.8	11.7	35.3	75.8	128.6	194.1	282.9	382.4	478.3
15°	0.0	1.6	2.9	12.7	38.2	81.2	136.2	205.5	303.4	409.5	509.1
12.5°	0.0	1.7	3.0	13.8	41.0	86.1	143.2	215.0	320.5	435.4	537.9
10°	0.0	1.7	3.1	14.8	43.6	90.6	149.5	223.4	334.0	450.7	560.5
7.5°	0.0	1.7	3.2	15.8	46.1	94.7	155.2	230.8	346.0	462.3	572.3
5°	0.0	1.7	3.2	16.8	48.3	98.3	160.1	237.2	356.2	471.6	581.9
2.5°	0.0	1.7	3.3	17.7	50.3	101.4	164.4	242.6	364.5	478.6	589.2
0°	0.0	1.7	3.4	18.5	52.0	104.1	167.9	246.8	371.0	483.5	594.2
-2.5°	0.0	1.8	3.9	19.7	54.4	107.4	172.5	253.9	378.3	490.5	602.1
-5°	0.0	1.9	4.4	20.7	56.5	110.1	176.3	259.8	383.6	495.5	607.7
-7.5°	0.0	2.0	4.9	21.7	58.3	112.4	179.2	264.5	386.9	498.6	611.0
-10°	0.0	2.1	5.3	22.5	59.8	114.0	181.4	267.8	388.3	499.9	612.1
-12.5°	0.0	2.2	5.8	23.3	60.9	115.1	182.6	269.7	387.9	499.1	609.2
-15°	0.0	2.3	6.2	23.9	61.6	115.7	183.0	270.1	385.0	494.7	603.3
-17.5°	0.0	2.3	6.6	24.3	61.9	115.6	182.5	269.5	380.1	488.8	595.1
-20°	0.0	2.4	6.9	24.6	61.9	114.9	182.0	268.3	373.8	481.4	584.7

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CATALOG NUMBER: GFLD-SA5C-727-U-WR-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	2.5	7.2	24.8	61.4	113.7	182.1	265.9	366.5	472.7	572.0
-25°	0.0	2.5	7.5	24.7	60.4	113.3	181.2	262.3	358.1	462.6	557.1
-27.5°	0.0	2.5	7.7	24.6	59.0	112.8	179.5	257.7	348.7	451.0	543.3
-30°	0.0	2.6	7.9	24.2	57.3	111.6	176.9	252.0	340.5	437.8	528.5
-32.5°	0.0	2.6	8.0	23.7	56.6	109.7	173.3	247.2	332.4	424.2	512.7
-35°	0.0	2.6	8.1	23.0	55.4	107.0	169.9	242.1	323.2	410.0	495.8
-37.5°	0.0	2.6	8.1	22.1	53.7	104.2	166.1	235.9	312.9	395.5	476.0
-40°	0.0	2.5	8.1	21.1	51.6	101.6	161.3	228.6	301.6	382.0	454.9
-42.5°	0.0	2.5	8.0	20.1	50.1	98.4	155.6	220.3	291.1	364.4	432.4
-45°	0.0	2.5	7.9	19.4	49.1	94.6	149.0	211.5	280.4	345.6	409.0
-47.5°	0.0	2.4	7.7	18.3	47.6	90.1	141.5	202.7	268.4	326.1	387.4
-50°	0.0	2.3	7.5	18.0	45.6	85.0	134.9	192.7	252.6	308.3	365.1
-52.5°	0.0	2.2	7.2	17.7	43.1	79.3	127.8	181.6	236.9	289.8	342.4
-55°	0.0	2.1	6.9	17.3	40.1	74.6	119.9	169.8	220.7	270.5	321.0
-57.5°	0.0	2.0	6.5	16.6	36.7	69.6	111.2	159.3	203.7	251.0	298.9
-60°	0.0	1.9	6.0	15.7	32.9	63.8	102.0	146.6	186.3	230.9	276.1
-62.5°	0.0	1.8	5.7	14.5	30.6	57.4	93.1	132.5	169.0	209.9	252.6
-65°	0.0	1.7	5.3	13.3	28.0	50.4	83.3	117.7	150.6	187.7	228.2
-67.5°	0.0	1.5	4.8	11.8	25.0	44.1	72.6	102.9	131.2	164.3	201.1
-70°	0.0	1.4	4.4	10.2	21.8	38.7	61.2	87.5	112.8	139.8	172.0
-72.5°	0.0	1.2	3.9	9.0	18.2	32.8	52.0	71.6	93.9	117.6	142.6
-75°	0.0	1.1	3.4	7.8	14.5	26.6	42.7	58.3	74.5	94.8	116.3
-77.5°	0.0	0.9	2.8	6.6	12.0	20.0	32.9	45.8	59.1	73.1	89.5
-80°	0.0	0.7	2.3	5.4	9.7	15.3	22.7	33.1	44.0	55.4	67.4
-82.5°	0.0	0.5	1.7	4.1	7.3	11.6	16.7	22.1	28.6	37.4	46.7
-85°	0.0	0.4	1.2	2.7	4.9	7.8	11.2	14.8	18.9	23.4	28.3
-87.5°	0.0	0.2	0.6	1.4	2.5	3.9	5.6	7.4	9.5	11.7	14.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-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	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.3
85°	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.4
67.5°	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.3	0.9
65°	1.7	1.7	2.3	2.5	1.8	1.7	1.7	1.7	1.8	1.5	1.6
62.5°	2.5	3.0	3.8	5.9	4.4	1.7	3.3	3.9	2.6	2.1	2.3
60°	7.4	5.0	12.9	17.9	11.7	6.2	7.6	15.3	12.6	3.5	8.9
57.5°	14.8	18.3	32.5	34.1	26.3	17.8	38.9	43.1	35.7	22.4	32.3
55°	30.9	43.4	54.9	54.3	54.6	68.6	80.6	79.1	69.8	96.2	121.1
52.5°	58.5	71.5	79.1	86.2	105.7	118.7	122.5	129.9	157.2	190.0	195.9
50°	85.8	99.2	109.2	134.7	154.8	165.1	174.7	199.7	241.1	263.6	267.2
47.5°	113.5	128.5	154.8	182.7	202.1	217.7	234.3	291.2	337.4	356.5	363.4
45°	142.4	168.2	201.1	229.8	252.3	273.3	327.3	405.1	437.6	466.9	541.5
42.5°	172.3	211.3	248.3	278.4	303.7	347.8	423.0	498.2	544.7	607.1	697.3
40°	210.6	254.2	297.2	327.7	359.4	426.2	519.2	598.9	648.1	731.8	834.5
37.5°	249.4	300.4	346.8	379.1	423.5	513.9	623.2	718.6	779.6	847.8	1012.9
35°	287.7	347.6	395.1	438.4	493.4	617.9	752.6	858.8	934.2	1050.9	1259.8
32.5°	328.7	395.5	444.2	503.1	593.4	732.6	898.0	1016.0	1141.1	1309.0	1643.6
30°	372.2	440.5	496.5	567.2	688.3	850.7	1042.7	1191.0	1360.8	1633.5	1994.2
27.5°	415.7	485.2	554.2	644.2	777.2	952.6	1153.2	1386.9	1606.4	1911.3	2305.6
25°	457.4	530.9	610.8	719.6	863.4	1047.1	1266.0	1535.6	1822.0	2170.8	2633.8
22.5°	497.3	577.2	670.8	787.6	936.2	1136.7	1397.8	1714.4	2058.6	2419.9	2951.9
20°	536.4	628.9	736.3	867.1	1003.1	1219.4	1526.7	1910.1	2341.5	2836.4	3357.8
17.5°	575.0	680.0	804.0	949.4	1114.1	1335.5	1658.8	2115.3	2640.3	3284.5	3926.5
15°	612.8	730.1	869.4	1030.6	1226.1	1490.7	1858.0	2359.7	2994.0	3765.4	4525.8
12.5°	649.5	778.7	932.3	1110.0	1334.8	1636.8	2045.6	2586.9	3313.7	4235.3	5169.5
10°	684.6	825.3	991.9	1186.6	1438.9	1772.8	2211.6	2783.5	3555.0	4504.8	5543.7
7.5°	702.5	856.9	1042.8	1259.5	1537.0	1897.6	2355.9	2949.6	3743.5	4721.4	5763.1
5°	715.3	871.3	1061.9	1288.6	1591.0	1982.5	2466.4	3085.5	3882.4	4884.4	5911.7
2.5°	725.1	881.7	1075.8	1305.0	1612.3	2010.8	2502.9	3132.8	3956.9	4969.5	5998.3
0°	731.9	888.0	1084.4	1314.4	1623.3	2024.5	2519.7	3152.5	3988.5	4989.0	6029.8
-2.5°	739.1	896.7	1093.4	1329.0	1638.7	2043.1	2538.2	3166.4	4012.2	4994.4	6046.8
-5°	743.2	901.3	1097.0	1336.0	1643.7	2046.6	2536.9	3153.2	3993.3	4955.2	6009.8
-7.5°	744.4	901.8	1095.0	1334.6	1637.3	2030.7	2510.1	3113.8	3928.2	4875.9	5919.1
-10°	742.6	897.9	1087.8	1322.5	1618.9	1997.8	2462.1	3045.7	3821.2	4744.9	5765.7
-12.5°	737.1	889.5	1074.9	1302.8	1589.2	1950.9	2394.6	2948.5	3672.6	4562.9	5549.6
-15°	728.4	877.0	1056.2	1275.4	1548.2	1890.6	2307.8	2822.3	3481.3	4331.5	5280.4
-17.5°	716.4	860.4	1031.7	1240.5	1495.9	1817.3	2202.9	2674.5	3275.0	4073.2	4981.1
-20°	701.1	839.7	1001.4	1198.2	1435.6	1740.1	2105.4	2543.7	3081.9	3777.4	4628.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627622 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-727-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	682.5	815.1	969.4	1157.6	1382.1	1659.9	1996.5	2395.4	2865.2	3435.5	4242.5
-25°	663.4	791.5	938.2	1112.5	1321.0	1569.1	1871.9	2235.3	2660.8	3182.8	3850.0
-27.5°	644.6	764.3	902.2	1060.3	1252.5	1475.4	1754.7	2086.0	2465.3	2909.1	3452.4
-30°	623.4	734.0	862.5	1005.7	1186.9	1393.8	1635.2	1919.1	2256.3	2657.4	3129.7
-32.5°	600.2	701.5	824.0	958.5	1116.5	1305.0	1513.7	1770.5	2063.8	2394.7	2803.0
-35°	577.1	673.8	784.6	907.6	1041.0	1217.5	1409.3	1622.3	1871.8	2164.9	2491.4
-37.5°	554.9	643.5	742.4	857.0	982.2	1128.7	1298.2	1490.5	1705.3	1938.4	2220.5
-40°	530.1	610.8	704.3	808.2	918.9	1045.9	1198.7	1362.0	1546.9	1752.0	1969.8
-42.5°	503.2	580.8	666.1	755.6	857.2	970.6	1097.4	1246.7	1400.3	1572.1	1762.3
-45°	476.8	548.1	626.2	707.9	793.3	893.5	1008.7	1132.9	1269.1	1409.3	1569.0
-47.5°	449.1	514.1	586.9	658.0	733.7	819.2	916.9	1029.6	1143.2	1268.1	1391.9
-50°	421.3	482.4	543.5	609.9	677.8	748.9	831.4	928.7	1032.1	1135.7	1244.7
-52.5°	396.5	449.3	504.5	561.5	623.3	686.6	755.3	835.5	925.9	1017.2	1111.1
-55°	371.1	419.7	465.4	516.4	569.8	626.8	688.2	755.6	823.8	907.0	987.8
-57.5°	346.2	389.4	429.1	472.6	520.1	568.6	623.8	681.2	743.1	805.9	872.1
-60°	321.3	358.0	394.0	431.7	471.5	514.6	559.0	609.4	662.6	717.1	774.5
-62.5°	295.6	325.3	357.0	391.5	426.6	459.8	497.1	538.2	582.0	628.9	677.5
-65°	266.8	291.5	317.9	347.9	380.8	407.6	436.2	467.1	503.3	541.9	580.0
-67.5°	236.0	257.9	279.5	301.7	328.4	352.4	375.9	400.5	427.5	459.1	489.7
-70°	201.8	223.6	242.6	261.1	278.0	295.1	315.0	334.5	356.3	384.6	412.4
-72.5°	166.9	187.4	205.4	221.0	233.0	243.2	255.4	269.5	290.5	316.7	341.3
-75°	135.0	151.5	168.3	183.4	191.1	194.2	196.7	204.1	225.3	252.3	276.1
-77.5°	105.1	119.5	133.2	146.3	151.7	153.9	154.9	154.9	170.5	193.4	217.6
-80°	77.4	87.4	99.0	110.3	113.6	114.6	114.7	114.0	126.8	143.3	161.0
-82.5°	53.8	61.0	68.4	76.0	77.0	76.5	75.4	74.3	84.6	96.5	108.8
-85°	31.4	34.4	38.9	43.6	44.1	43.9	43.1	41.7	47.4	53.9	60.8
-87.5°	15.7	17.2	18.7	20.2	19.7	18.9	17.9	16.6	18.2	19.9	21.6
-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: P627622 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-U-WR-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°	1.4	1.1	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.7	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.7	1.3	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.7	1.3	0.9	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1.7	1.4	1.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.7	1.4	1.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.7	1.5	1.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	1.0	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.8	0.9	0.9	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.7	1.7	1.3	0.8	0.4	0.3	0.4	0.4	0.2	0.0	0.0
62.5°	2.2	2.1	1.5	1.4	1.6	1.7	1.4	1.2	1.1	1.2	1.4
60°	9.5	5.4	5.5	7.1	6.0	2.8	5.5	7.0	6.5	4.9	4.3
57.5°	48.2	40.4	28.2	47.3	48.7	33.9	36.8	48.0	46.5	35.9	35.8
55°	121.4	123.2	132.2	144.2	153.0	157.1	160.7	178.8	198.0	216.9	226.4
52.5°	200.5	224.0	253.2	272.5	286.0	313.6	352.3	370.1	387.3	407.0	421.2
50°	295.3	336.1	365.4	369.7	415.7	445.5	452.5	485.8	522.2	544.8	561.0
47.5°	439.4	490.9	516.5	532.8	588.7	650.1	650.2	669.4	760.3	807.8	830.7
45°	632.8	675.8	721.0	838.2	946.1	980.3	1053.5	1152.7	1217.2	1305.9	1403.4
42.5°	797.6	878.3	991.4	1120.5	1228.6	1318.6	1427.4	1546.6	1689.8	1824.5	1940.7
40°	960.7	1060.6	1200.6	1341.0	1477.2	1601.9	1777.2	1930.5	2099.5	2284.8	2439.2
37.5°	1173.4	1301.3	1446.0	1623.1	1835.0	1973.4	2214.6	2434.9	2625.3	2849.0	2986.9
35°	1500.1	1666.9	1795.0	2153.1	2410.8	2572.6	2858.2	3220.3	3359.3	3641.1	3774.8
32.5°	1911.0	2132.5	2469.8	2943.9	3288.1	3586.1	4012.9	4380.3	4693.5	4976.5	5270.9
30°	2372.6	2714.5	3211.6	3841.6	4191.1	4608.5	5185.7	5621.4	6112.6	6651.7	6840.6
27.5°	2791.5	3303.6	3880.7	4391.1	4893.1	5413.0	5980.1	6539.8	7071.4	7520.0	7821.1
25°	3179.8	3800.0	4360.8	4906.1	5450.1	6035.6	6677.1	7311.9	7896.9	8358.5	8709.5
22.5°	3580.2	4235.5	4835.4	5388.8	6021.6	6685.0	7367.2	8095.3	8761.1	9240.0	9622.3
20°	3956.8	4685.5	5369.8	5999.9	6598.0	7364.0	8149.6	8921.9	9646.8	10217.2	10658.1
17.5°	4554.4	5187.0	6023.4	6841.9	7515.8	8219.4	9269.1	10066.2	10870.7	11553.9	12021.3
15°	5288.4	5984.0	6847.7	7971.8	8895.1	9701.2	10785.7	12082.3	13031.2	13903.4	14501.7
12.5°	6022.9	6809.7	7744.0	9008.9	10323.5	11273.1	12588.7	14231.8	15337.1	16687.4	17353.1
10°	6585.9	7573.9	8536.0	9690.4	10952.9	12305.1	13723.2	15260.5	16737.4	17896.9	18933.4
7.5°	6812.6	7865.0	8978.8	10156.6	11419.0	12814.5	14326.0	15925.6	17445.5	18740.6	19879.7
5°	6982.0	8060.3	9181.4	10385.8	11735.3	13192.6	14726.7	16406.1	17958.3	19346.3	20511.7
2.5°	7089.7	8178.1	9294.4	10518.9	11938.1	13438.8	15022.1	16746.0	18321.5	19750.5	20912.1
0°	7131.0	8203.6	9346.8	10607.5	12012.5	13516.6	15168.4	16912.6	18500.6	19882.1	21077.3
-2.5°	7136.6	8179.8	9350.2	10604.7	11949.1	13467.3	15139.1	16868.7	18424.4	19800.4	21006.3
-5°	7080.6	8123.4	9294.8	10530.3	11876.6	13383.4	14983.3	16654.7	18138.5	19477.6	20638.6
-7.5°	6967.0	8007.0	9152.5	10359.7	11669.7	13131.2	14667.9	16221.8	17677.4	18961.7	20069.8
-10°	6798.5	7816.6	8922.4	10098.7	11338.2	12728.3	14193.7	15678.3	17043.3	18231.1	19255.6
-12.5°	6570.3	7564.9	8620.9	9743.9	10897.7	12223.0	13606.6	15000.7	16244.9	17329.3	18248.6
-15°	6274.0	7245.4	8267.9	9329.9	10448.8	11647.3	12889.0	14167.8	15315.2	16276.8	17116.7
-17.5°	5924.9	6867.0	7838.1	8822.6	9884.2	11008.7	12161.3	13309.2	14287.9	15142.1	15910.1
-20°	5535.7	6443.4	7365.9	8283.6	9246.8	10286.8	11351.3	12359.6	13214.9	13991.1	14693.8



REPORT NUMBER: P627622 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5099.4	5968.2	6852.3	7711.2	8579.8	9521.4	10472.1	11384.0	12183.9	12848.0	13458.7
-25°	4632.2	5435.0	6269.9	7075.1	7874.6	8718.4	9582.0	10421.0	11125.0	11701.5	12206.2
-27.5°	4161.5	4895.1	5630.7	6388.8	7127.7	7906.4	8688.3	9412.9	10045.0	10575.8	10999.8
-30°	3666.8	4322.6	4994.4	5680.3	6385.8	7098.5	7804.9	8439.4	8991.1	9458.0	9824.5
-32.5°	3255.6	3753.8	4346.9	4969.6	5631.0	6280.3	6894.7	7473.1	7993.0	8400.6	8711.4
-35°	2861.5	3283.5	3727.6	4278.8	4847.0	5444.5	6009.8	6525.9	6989.4	7345.6	7637.9
-37.5°	2522.7	2856.4	3232.0	3625.5	4101.9	4595.9	5106.1	5591.5	6004.8	6315.5	6576.6
-40°	2229.5	2492.9	2793.1	3105.0	3455.5	3810.4	4254.6	4664.3	5001.6	5292.1	5528.7
-42.5°	1964.4	2186.7	2408.3	2664.2	2928.7	3213.9	3525.7	3828.7	4087.6	4330.7	4531.6
-45°	1735.5	1913.1	2089.8	2287.4	2481.6	2713.6	2936.3	3135.0	3344.7	3526.7	3670.0
-47.5°	1535.5	1673.9	1825.4	1973.3	2129.2	2303.9	2469.6	2620.8	2774.5	2907.6	3014.3
-50°	1357.6	1472.4	1596.1	1712.3	1838.4	1966.1	2088.7	2209.0	2325.7	2427.0	2505.8
-52.5°	1201.9	1302.2	1398.5	1491.1	1591.4	1686.0	1774.7	1874.0	1965.3	2045.1	2099.0
-55°	1069.4	1151.3	1230.2	1307.5	1383.3	1455.0	1525.7	1602.9	1673.3	1736.8	1776.9
-57.5°	944.9	1014.7	1081.5	1144.6	1204.8	1261.8	1321.3	1380.6	1434.9	1482.8	1513.8
-60°	831.7	888.7	946.5	998.0	1046.5	1092.0	1142.2	1189.6	1233.5	1270.3	1291.8
-62.5°	728.0	779.1	821.8	862.5	903.8	944.8	980.4	1015.4	1049.2	1077.7	1096.4
-65°	619.5	662.8	699.1	731.9	761.4	793.2	823.6	851.0	875.5	894.0	905.9
-67.5°	522.5	554.3	583.4	609.4	635.8	661.3	684.7	705.5	723.9	736.8	745.3
-70°	438.2	462.5	486.3	510.0	533.5	553.3	570.3	585.9	600.0	605.9	608.5
-72.5°	364.1	385.7	406.6	427.5	447.1	462.6	475.0	486.5	496.7	487.9	472.4
-75°	296.9	316.0	335.5	353.9	371.2	383.0	392.3	400.8	408.5	389.4	362.9
-77.5°	241.9	258.7	273.2	287.5	301.8	309.3	315.2	320.9	326.4	305.0	277.9
-80°	179.5	193.0	205.3	217.4	229.3	233.8	236.3	238.1	239.1	220.7	199.5
-82.5°	121.3	128.3	135.0	142.1	149.3	153.1	155.9	158.1	159.7	146.6	132.0
-85°	67.9	70.0	71.7	73.1	74.3	76.7	78.9	81.0	82.9	76.8	69.9
-87.5°	23.3	23.3	23.3	23.1	22.8	22.9	22.9	22.8	22.7	21.7	20.7
-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: P627622 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-U-WR-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	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
62.5°	1.5	1.6	1.7	1.7	1.7	1.6	1.5	1.4	1.2	1.1	1.2
60°	3.3	2.1	1.7	1.7	1.7	2.1	3.3	4.3	4.9	6.5	7.0
57.5°	33.4	29.1	26.1	23.5	26.1	29.1	33.4	35.8	35.9	46.5	48.0
55°	222.3	207.0	188.3	166.2	188.3	207.0	222.3	226.4	216.9	198.0	178.8
52.5°	436.1	450.6	459.0	458.3	459.0	450.6	436.1	421.2	407.0	387.3	370.1
50°	574.1	581.9	582.3	575.8	582.3	581.9	574.1	561.0	544.8	522.2	485.8
47.5°	841.1	830.0	811.1	790.7	811.1	830.0	841.1	830.7	807.8	760.3	669.4
45°	1467.6	1502.9	1500.6	1455.4	1500.6	1502.9	1467.6	1403.4	1305.9	1217.2	1152.7
42.5°	2005.6	2058.6	2096.1	2115.1	2096.1	2058.6	2005.6	1940.7	1824.5	1689.8	1546.6
40°	2526.2	2577.3	2599.8	2598.6	2599.8	2577.3	2526.2	2439.2	2284.8	2099.5	1930.5
37.5°	3076.3	3142.5	3174.6	3159.2	3174.6	3142.5	3076.3	2986.9	2849.0	2625.3	2434.9
35°	3832.7	3894.6	3895.8	3864.3	3895.8	3894.6	3832.7	3774.8	3641.1	3359.3	3220.3
32.5°	5504.6	5525.3	5366.1	5309.6	5366.1	5525.3	5504.6	5270.9	4976.5	4693.5	4380.3
30°	7028.5	7175.4	7312.1	7381.1	7312.1	7175.4	7028.5	6840.6	6651.7	6112.6	5621.4
27.5°	8048.1	8224.8	8334.3	8341.3	8334.3	8224.8	8048.1	7821.1	7520.0	7071.4	6539.8
25°	8975.3	9173.0	9292.5	9333.4	9292.5	9173.0	8975.3	8709.5	8358.5	7896.9	7311.9
22.5°	9946.8	10179.8	10334.2	10365.8	10334.2	10179.8	9946.8	9622.3	9240.0	8761.1	8095.3
20°	11074.0	11345.2	11493.1	11487.1	11493.1	11345.2	11074.0	10658.1	10217.2	9646.8	8921.9
17.5°	12558.0	12848.7	12976.6	12920.7	12976.6	12848.7	12558.0	12021.3	11553.9	10870.7	10066.2
15°	15115.9	15724.2	15721.7	15479.0	15721.7	15724.2	15115.9	14501.7	13903.4	13031.2	12082.3
12.5°	18271.1	18724.4	19189.5	19289.5	19189.5	18724.4	18271.1	17353.1	16687.4	15337.1	14231.8
10°	19806.4	20408.4	20805.8	20795.3	20805.8	20408.4	19806.4	18933.4	17896.9	16737.4	15260.5
7.5°	20766.9	21432.0	21913.6	21903.2	21913.6	21432.0	20766.9	19879.7	18740.6	17445.5	15925.6
5°	21508.1	22245.9	22672.4	22703.9	22672.4	22245.9	21508.1	20511.7	19346.3	17958.3	16406.1
2.5°	21893.3	22663.2	23176.0	23108.5	23176.0	22663.2	21893.3	20912.1	19750.5	18321.5	16746.0
0°	22054.3	22816.4	23294.8	23501.3	23294.8	22816.4	22054.3	21077.3	19882.1	18500.6	16912.6
-2.5°	21984.0	22725.6	23254.3	23274.7	23254.3	22725.6	21984.0	21006.3	19800.4	18424.4	16868.7
-5°	21607.3	22389.8	22744.0	22932.2	22744.0	22389.8	21607.3	20638.6	19477.6	18138.5	16654.7
-7.5°	20999.8	21586.3	22036.2	22244.0	22036.2	21586.3	20999.8	20069.8	18961.7	17677.4	16221.8
-10°	20054.5	20661.6	21041.8	21213.3	21041.8	20661.6	20054.5	19255.6	18231.1	17043.3	15678.3
-12.5°	19007.1	19558.9	19920.4	20065.1	19920.4	19558.9	19007.1	18248.6	17329.3	16244.9	15000.7
-15°	17838.6	18339.6	18672.3	18811.1	18672.3	18339.6	17838.6	17116.7	16276.8	15315.2	14167.8
-17.5°	16552.3	16991.3	17322.8	17422.9	17322.8	16991.3	16552.3	15910.1	15142.1	14287.9	13309.2
-20°	15229.7	15626.5	15899.6	15959.1	15899.6	15626.5	15229.7	14693.8	13991.1	13214.9	12359.6



REPORT NUMBER: P627622 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	13897.0	14223.9	14445.8	14520.5	14445.8	14223.9	13897.0	13458.7	12848.0	12183.9	11384.0
-25°	12594.6	12876.8	13055.3	13122.1	13055.3	12876.8	12594.6	12206.2	11701.5	11125.0	10421.0
-27.5°	11342.0	11605.0	11769.0	11790.9	11769.0	11605.0	11342.0	10999.8	10575.8	10045.0	9412.9
-30°	10109.5	10326.8	10453.2	10506.8	10453.2	10326.8	10109.5	9824.5	9458.0	8991.1	8439.4
-32.5°	8957.7	9147.5	9261.0	9291.4	9261.0	9147.5	8957.7	8711.4	8400.6	7993.0	7473.1
-35°	7870.3	8045.6	8146.3	8138.2	8146.3	8045.6	7870.3	7637.9	7345.6	6989.4	6525.9
-37.5°	6792.5	6954.2	7045.5	7037.0	7045.5	6954.2	6792.5	6576.6	6315.5	6004.8	5591.5
-40°	5723.2	5862.7	5943.1	5962.6	5943.1	5862.7	5723.2	5528.7	5292.1	5001.6	4664.3
-42.5°	4698.7	4827.5	4891.8	4866.5	4891.8	4827.5	4698.7	4531.6	4330.7	4087.6	3828.7
-45°	3770.2	3836.8	3880.6	3907.9	3880.6	3836.8	3770.2	3670.0	3526.7	3344.7	3135.0
-47.5°	3092.5	3147.7	3177.5	3182.7	3177.5	3147.7	3092.5	3014.3	2907.6	2774.5	2620.8
-50°	2567.0	2614.0	2634.7	2628.8	2634.7	2614.0	2567.0	2505.8	2427.0	2325.7	2209.0
-52.5°	2137.8	2165.0	2183.4	2192.3	2183.4	2165.0	2137.8	2099.0	2045.1	1965.3	1874.0
-55°	1807.1	1828.3	1840.7	1844.9	1840.7	1828.3	1807.1	1776.9	1736.8	1673.3	1602.9
-57.5°	1539.7	1559.8	1567.2	1564.5	1567.2	1559.8	1539.7	1513.8	1482.8	1434.9	1380.6
-60°	1308.3	1319.8	1328.5	1332.9	1328.5	1319.8	1308.3	1291.8	1270.3	1233.5	1189.6
-62.5°	1111.3	1122.2	1131.2	1136.5	1131.2	1122.2	1111.3	1096.4	1077.7	1049.2	1015.4
-65°	914.1	918.9	920.2	918.2	920.2	918.9	914.1	905.9	894.0	875.5	851.0
-67.5°	751.6	755.6	758.3	758.8	758.3	755.6	751.6	745.3	736.8	723.9	705.5
-70°	611.0	612.7	610.7	606.0	610.7	612.7	611.0	608.5	605.9	600.0	585.9
-72.5°	456.5	439.7	423.1	404.6	423.1	439.7	456.5	472.4	487.9	496.7	486.5
-75°	335.6	307.3	297.0	287.1	297.0	307.3	335.6	362.9	389.4	408.5	400.8
-77.5°	249.6	220.1	212.2	204.8	212.2	220.1	249.6	277.9	305.0	326.4	320.9
-80°	177.3	154.3	149.3	144.4	149.3	154.3	177.3	199.5	220.7	239.1	238.1
-82.5°	116.5	100.5	97.3	94.0	97.3	100.5	116.5	132.0	146.6	159.7	158.1
-85°	62.7	55.2	53.6	52.0	53.6	55.2	62.7	69.9	76.8	82.9	81.0
-87.5°	19.6	18.4	18.5	18.5	18.5	18.4	19.6	20.7	21.7	22.7	22.8
-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: P627622 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-U-WR-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°	0.0	0.0	0.0	0.4	0.7	1.1	1.4	1.3	1.3	1.3	1.2
85°	0.0	0.0	0.0	0.4	0.9	1.3	1.7	1.7	1.7	1.7	1.7
82.5°	0.0	0.0	0.0	0.5	0.9	1.3	1.7	1.7	1.7	1.7	1.7
80°	0.0	0.0	0.1	0.5	0.9	1.3	1.7	1.7	1.7	1.7	1.7
77.5°	0.0	0.0	0.1	0.5	1.0	1.4	1.7	1.7	1.7	1.7	1.7
75°	0.0	0.0	0.1	0.6	1.0	1.4	1.7	1.7	1.7	1.7	1.7
72.5°	0.0	0.0	0.1	0.5	1.0	1.5	1.7	1.7	1.7	1.7	1.7
70°	0.0	0.0	0.1	0.0	0.1	0.5	1.0	1.4	1.7	1.7	1.7
67.5°	0.0	0.0	0.3	0.7	0.9	0.9	0.8	0.9	1.3	1.7	1.7
65°	0.4	0.3	0.4	0.8	1.3	1.7	1.7	1.6	1.5	1.8	1.7
62.5°	1.4	1.7	1.6	1.4	1.5	2.1	2.2	2.3	2.1	2.6	3.9
60°	5.5	2.8	6.0	7.1	5.5	5.4	9.5	8.9	3.5	12.6	15.3
57.5°	36.8	33.9	48.7	47.3	28.2	40.4	48.2	32.3	22.4	35.7	43.1
55°	160.7	157.1	153.0	144.2	132.2	123.2	121.4	121.1	96.2	69.8	79.1
52.5°	352.3	313.6	286.0	272.5	253.2	224.0	200.5	195.9	190.0	157.2	129.9
50°	452.5	445.5	415.7	369.7	365.4	336.1	295.3	267.2	263.6	241.1	199.7
47.5°	650.2	650.1	588.7	532.8	516.5	490.9	439.4	363.4	356.5	337.4	291.2
45°	1053.5	980.3	946.1	838.2	721.0	675.8	632.8	541.5	466.9	437.6	405.1
42.5°	1427.4	1318.6	1228.6	1120.5	991.4	878.3	797.6	697.3	607.1	544.7	498.2
40°	1777.2	1601.9	1477.2	1341.0	1200.6	1060.6	960.7	834.5	731.8	648.1	598.9
37.5°	2214.6	1973.4	1835.0	1623.1	1446.0	1301.3	1173.4	1012.9	847.8	779.6	718.6
35°	2858.2	2572.6	2410.8	2153.1	1795.0	1666.9	1500.1	1259.8	1050.9	934.2	858.8
32.5°	4012.9	3586.1	3288.1	2943.9	2469.8	2132.5	1911.0	1643.6	1309.0	1141.1	1016.0
30°	5185.7	4608.5	4191.1	3841.6	3211.6	2714.5	2372.6	1994.2	1633.5	1360.8	1191.0
27.5°	5980.1	5413.0	4893.1	4391.1	3880.7	3303.6	2791.5	2305.6	1911.3	1606.4	1386.9
25°	6677.1	6035.6	5450.1	4906.1	4360.8	3800.0	3179.8	2633.8	2170.8	1822.0	1535.6
22.5°	7367.2	6685.0	6021.6	5388.8	4835.4	4235.5	3580.2	2951.9	2419.9	2058.6	1714.4
20°	8149.6	7364.0	6598.0	5999.9	5369.8	4685.5	3956.8	3357.8	2836.4	2341.5	1910.1
17.5°	9269.1	8219.4	7515.8	6841.9	6023.4	5187.0	4554.4	3926.5	3284.5	2640.3	2115.3
15°	10785.7	9701.2	8895.1	7971.8	6847.7	5984.0	5288.4	4525.8	3765.4	2994.0	2359.7
12.5°	12588.7	11273.1	10323.5	9008.9	7744.0	6809.7	6022.9	5169.5	4235.3	3313.7	2586.9
10°	13723.2	12305.1	10952.9	9690.4	8536.0	7573.9	6585.9	5543.7	4504.8	3555.0	2783.5
7.5°	14326.0	12814.5	11419.0	10156.6	8978.8	7865.0	6812.6	5763.1	4721.4	3743.5	2949.6
5°	14726.7	13192.6	11735.3	10385.8	9181.4	8060.3	6982.0	5911.7	4884.4	3882.4	3085.5
2.5°	15022.1	13438.8	11938.1	10518.9	9294.4	8178.1	7089.7	5998.3	4969.5	3956.9	3132.8
0°	15168.4	13516.6	12012.5	10607.5	9346.8	8203.6	7131.0	6029.8	4989.0	3988.5	3152.5
-2.5°	15139.1	13467.3	11949.1	10604.7	9350.2	8179.8	7136.6	6046.8	4994.4	4012.2	3166.4
-5°	14983.3	13383.4	11876.6	10530.3	9294.8	8123.4	7080.6	6009.8	4955.2	3993.3	3153.2
-7.5°	14667.9	13131.2	11669.7	10359.7	9152.5	8007.0	6967.0	5919.1	4875.9	3928.2	3113.8
-10°	14193.7	12728.3	11338.2	10098.7	8922.4	7816.6	6798.5	5765.7	4744.9	3821.2	3045.7
-12.5°	13606.6	12223.0	10897.7	9743.9	8620.9	7564.9	6570.3	5549.6	4562.9	3672.6	2948.5
-15°	12889.0	11647.3	10448.8	9329.9	8267.9	7245.4	6274.0	5280.4	4331.5	3481.3	2822.3
-17.5°	12161.3	11008.7	9884.2	8822.6	7838.1	6867.0	5924.9	4981.1	4073.2	3275.0	2674.5
-20°	11351.3	10286.8	9246.8	8283.6	7365.9	6443.4	5535.7	4628.0	3777.4	3081.9	2543.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627622 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-727-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	10472.1	9521.4	8579.8	7711.2	6852.3	5968.2	5099.4	4242.5	3435.5	2865.2	2395.4
-25°	9582.0	8718.4	7874.6	7075.1	6269.9	5435.0	4632.2	3850.0	3182.8	2660.8	2235.3
-27.5°	8688.3	7906.4	7127.7	6388.8	5630.7	4895.1	4161.5	3452.4	2909.1	2465.3	2086.0
-30°	7804.9	7098.5	6385.8	5680.3	4994.4	4322.6	3666.8	3129.7	2657.4	2256.3	1919.1
-32.5°	6894.7	6280.3	5631.0	4969.6	4346.9	3753.8	3255.6	2803.0	2394.7	2063.8	1770.5
-35°	6009.8	5444.5	4847.0	4278.8	3727.6	3283.5	2861.5	2491.4	2164.9	1871.8	1622.3
-37.5°	5106.1	4595.9	4101.9	3625.5	3232.0	2856.4	2522.7	2220.5	1938.4	1705.3	1490.5
-40°	4254.6	3810.4	3455.5	3105.0	2793.1	2492.9	2229.5	1969.8	1752.0	1546.9	1362.0
-42.5°	3525.7	3213.9	2928.7	2664.2	2408.3	2186.7	1964.4	1762.3	1572.1	1400.3	1246.7
-45°	2936.3	2713.6	2481.6	2287.4	2089.8	1913.1	1735.5	1569.0	1409.3	1269.1	1132.9
-47.5°	2469.6	2303.9	2129.2	1973.3	1825.4	1673.9	1535.5	1391.9	1268.1	1143.2	1029.6
-50°	2088.7	1966.1	1838.4	1712.3	1596.1	1472.4	1357.6	1244.7	1135.7	1032.1	928.7
-52.5°	1774.7	1686.0	1591.4	1491.1	1398.5	1302.2	1201.9	1111.1	1017.2	925.9	835.5
-55°	1525.7	1455.0	1383.3	1307.5	1230.2	1151.3	1069.4	987.8	907.0	823.8	755.6
-57.5°	1321.3	1261.8	1204.8	1144.6	1081.5	1014.7	944.9	872.1	805.9	743.1	681.2
-60°	1142.2	1092.0	1046.5	998.0	946.5	888.7	831.7	774.5	717.1	662.6	609.4
-62.5°	980.4	944.8	903.8	862.5	821.8	779.1	728.0	677.5	628.9	582.0	538.2
-65°	823.6	793.2	761.4	731.9	699.1	662.8	619.5	580.0	541.9	503.3	467.1
-67.5°	684.7	661.3	635.8	609.4	583.4	554.3	522.5	489.7	459.1	427.5	400.5
-70°	570.3	553.3	533.5	510.0	486.3	462.5	438.2	412.4	384.6	356.3	334.5
-72.5°	475.0	462.6	447.1	427.5	406.6	385.7	364.1	341.3	316.7	290.5	269.5
-75°	392.3	383.0	371.2	353.9	335.5	316.0	296.9	276.1	252.3	225.3	204.1
-77.5°	315.2	309.3	301.8	287.5	273.2	258.7	241.9	217.6	193.4	170.5	154.9
-80°	236.3	233.8	229.3	217.4	205.3	193.0	179.5	161.0	143.3	126.8	114.0
-82.5°	155.9	153.1	149.3	142.1	135.0	128.3	121.3	108.8	96.5	84.6	74.3
-85°	78.9	76.7	74.3	73.1	71.7	70.0	67.9	60.8	53.9	47.4	41.7
-87.5°	22.9	22.9	22.8	23.1	23.3	23.3	23.3	21.6	19.9	18.2	16.6
-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: P627622 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	1.1	1.0	1.0	0.9	0.8	0.8	0.7	0.7	0.6	0.5
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.4	1.3	1.2	1.0
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.5
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.7	1.7
67.5°	1.7	1.7	1.7	1.8	1.7	1.7	1.7	2.1	2.2	1.7	1.7
65°	1.7	1.7	1.8	2.5	2.3	1.7	1.7	3.2	2.8	2.4	1.7
62.5°	3.3	1.7	4.4	5.9	3.8	3.0	2.5	7.0	4.5	3.2	2.3
60°	7.6	6.2	11.7	17.9	12.9	5.0	7.4	12.0	11.1	4.0	3.2
57.5°	38.9	17.8	26.3	34.1	32.5	18.3	14.8	20.6	18.7	10.9	4.3
55°	80.6	68.6	54.6	54.3	54.9	43.4	30.9	31.9	28.2	20.0	6.4
52.5°	122.5	118.7	105.7	86.2	79.1	71.5	58.5	45.2	41.9	30.0	15.8
50°	174.7	165.1	154.8	134.7	109.2	99.2	85.8	68.9	57.0	41.9	26.1
47.5°	234.3	217.7	202.1	182.7	154.8	128.5	113.5	93.6	73.7	57.5	36.5
45°	327.3	273.3	252.3	229.8	201.1	168.2	142.4	117.9	95.5	73.2	47.1
42.5°	423.0	347.8	303.7	278.4	248.3	211.3	172.3	144.9	117.0	88.8	59.4
40°	519.2	426.2	359.4	327.7	297.2	254.2	210.6	173.1	138.0	105.1	73.0
37.5°	623.2	513.9	423.5	379.1	346.8	300.4	249.4	201.9	159.6	122.7	86.4
35°	752.6	617.9	493.4	438.4	395.1	347.6	287.7	233.2	185.4	140.4	99.6
32.5°	898.0	732.6	593.4	503.1	444.2	395.5	328.7	268.4	211.9	158.2	112.6
30°	1042.7	850.7	688.3	567.2	496.5	440.5	372.2	303.9	239.0	175.8	125.8
27.5°	1153.2	952.6	777.2	644.2	554.2	485.2	415.7	339.5	266.5	195.3	140.2
25°	1266.0	1047.1	863.4	719.6	610.8	530.9	457.4	375.1	295.7	217.7	154.3
22.5°	1397.8	1136.7	936.2	787.6	670.8	577.2	497.3	411.3	325.3	239.9	168.1
20°	1526.7	1219.4	1003.1	867.1	736.3	628.9	536.4	445.7	354.3	261.7	181.4
17.5°	1658.8	1335.5	1114.1	949.4	804.0	680.0	575.0	478.3	382.4	282.9	194.1
15°	1858.0	1490.7	1226.1	1030.6	869.4	730.1	612.8	509.1	409.5	303.4	205.5
12.5°	2045.6	1636.8	1334.8	1110.0	932.3	778.7	649.5	537.9	435.4	320.5	215.0
10°	2211.6	1772.8	1438.9	1186.6	991.9	825.3	684.6	560.5	450.7	334.0	223.4
7.5°	2355.9	1897.6	1537.0	1259.5	1042.8	856.9	702.5	572.3	462.3	346.0	230.8
5°	2466.4	1982.5	1591.0	1288.6	1061.9	871.3	715.3	581.9	471.6	356.2	237.2
2.5°	2502.9	2010.8	1612.3	1305.0	1075.8	881.7	725.1	589.2	478.6	364.5	242.6
0°	2519.7	2024.5	1623.3	1314.4	1084.4	888.0	731.9	594.2	483.5	371.0	246.8
-2.5°	2538.2	2043.1	1638.7	1329.0	1093.4	896.7	739.1	602.1	490.5	378.3	253.9
-5°	2536.9	2046.6	1643.7	1336.0	1097.0	901.3	743.2	607.7	495.5	383.6	259.8
-7.5°	2510.1	2030.7	1637.3	1334.6	1095.0	901.8	744.4	611.0	498.6	386.9	264.5
-10°	2462.1	1997.8	1618.9	1322.5	1087.8	897.9	742.6	612.1	499.9	388.3	267.8
-12.5°	2394.6	1950.9	1589.2	1302.8	1074.9	889.5	737.1	609.2	499.1	387.9	269.7
-15°	2307.8	1890.6	1548.2	1275.4	1056.2	877.0	728.4	603.3	494.7	385.0	270.1
-17.5°	2202.9	1817.3	1495.9	1240.5	1031.7	860.4	716.4	595.1	488.8	380.1	269.5
-20°	2105.4	1740.1	1435.6	1198.2	1001.4	839.7	701.1	584.7	481.4	373.8	268.3

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CATALOG NUMBER: GFLD-SA5C-727-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1996.5	1659.9	1382.1	1157.6	969.4	815.1	682.5	572.0	472.7	366.5	265.9
-25°	1871.9	1569.1	1321.0	1112.5	938.2	791.5	663.4	557.1	462.6	358.1	262.3
-27.5°	1754.7	1475.4	1252.5	1060.3	902.2	764.3	644.6	543.3	451.0	348.7	257.7
-30°	1635.2	1393.8	1186.9	1005.7	862.5	734.0	623.4	528.5	437.8	340.5	252.0
-32.5°	1513.7	1305.0	1116.5	958.5	824.0	701.5	600.2	512.7	424.2	332.4	247.2
-35°	1409.3	1217.5	1041.0	907.6	784.6	673.8	577.1	495.8	410.0	323.2	242.1
-37.5°	1298.2	1128.7	982.2	857.0	742.4	643.5	554.9	476.0	395.5	312.9	235.9
-40°	1198.7	1045.9	918.9	808.2	704.3	610.8	530.1	454.9	382.0	301.6	228.6
-42.5°	1097.4	970.6	857.2	755.6	666.1	580.8	503.2	432.4	364.4	291.1	220.3
-45°	1008.7	893.5	793.3	707.9	626.2	548.1	476.8	409.0	345.6	280.4	211.5
-47.5°	916.9	819.2	733.7	658.0	586.9	514.1	449.1	387.4	326.1	268.4	202.7
-50°	831.4	748.9	677.8	609.9	543.5	482.4	421.3	365.1	308.3	252.6	192.7
-52.5°	755.3	686.6	623.3	561.5	504.5	449.3	396.5	342.4	289.8	236.9	181.6
-55°	688.2	626.8	569.8	516.4	465.4	419.7	371.1	321.0	270.5	220.7	169.8
-57.5°	623.8	568.6	520.1	472.6	429.1	389.4	346.2	298.9	251.0	203.7	159.3
-60°	559.0	514.6	471.5	431.7	394.0	358.0	321.3	276.1	230.9	186.3	146.6
-62.5°	497.1	459.8	426.6	391.5	357.0	325.3	295.6	252.6	209.9	169.0	132.5
-65°	436.2	407.6	380.8	347.9	317.9	291.5	266.8	228.2	187.7	150.6	117.7
-67.5°	375.9	352.4	328.4	301.7	279.5	257.9	236.0	201.1	164.3	131.2	102.9
-70°	315.0	295.1	278.0	261.1	242.6	223.6	201.8	172.0	139.8	112.8	87.5
-72.5°	255.4	243.2	233.0	221.0	205.4	187.4	166.9	142.6	117.6	93.9	71.6
-75°	196.7	194.2	191.1	183.4	168.3	151.5	135.0	116.3	94.8	74.5	58.3
-77.5°	154.9	153.9	151.7	146.3	133.2	119.5	105.1	89.5	73.1	59.1	45.8
-80°	114.7	114.6	113.6	110.3	99.0	87.4	77.4	67.4	55.4	44.0	33.1
-82.5°	75.4	76.5	77.0	76.0	68.4	61.0	53.8	46.7	37.4	28.6	22.1
-85°	43.1	43.9	44.1	43.6	38.9	34.4	31.4	28.3	23.4	18.9	14.8
-87.5°	17.9	18.9	19.7	20.2	18.7	17.2	15.7	14.2	11.7	9.5	7.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.4	0.3	0.2	0.1	0.1	0.0
85°	0.9	0.7	0.6	0.4	0.3	0.1	0.0
82.5°	1.3	1.1	0.9	0.7	0.4	0.2	0.0
80°	1.7	1.5	1.2	0.9	0.6	0.3	0.0
77.5°	1.7	1.7	1.5	1.1	0.7	0.4	0.0
75°	1.7	1.7	1.7	1.3	0.9	0.4	0.0
72.5°	1.7	1.7	1.7	1.5	1.0	0.5	0.0
70°	1.7	1.7	1.7	1.7	1.2	0.6	0.0
67.5°	1.8	1.7	1.7	1.7	1.3	0.7	0.0
65°	2.0	1.9	1.7	1.7	1.4	0.7	0.0
62.5°	2.3	2.3	1.7	1.7	1.6	0.8	0.0
60°	2.6	2.7	1.7	1.7	1.7	0.8	0.0
57.5°	4.5	3.2	2.2	1.7	1.7	0.9	0.0
55°	6.9	3.7	2.7	1.7	1.7	1.0	0.0
52.5°	9.7	4.6	3.2	1.7	1.8	1.0	0.0
50°	12.8	7.6	3.8	1.7	1.8	1.1	0.0
47.5°	17.1	10.7	4.3	1.8	1.9	1.1	0.0
45°	26.2	14.0	4.9	2.3	1.9	1.2	0.0
42.5°	35.2	17.5	5.6	2.7	2.0	1.3	0.0
40°	44.2	21.1	7.3	3.3	2.0	1.3	0.0
37.5°	53.2	25.0	10.2	4.0	2.1	1.3	0.0
35°	62.1	31.1	13.1	4.8	2.2	1.4	0.0
32.5°	71.4	38.1	16.1	5.7	2.2	1.4	0.0
30°	81.9	44.9	19.0	6.6	2.3	1.5	0.0
27.5°	92.1	51.5	22.4	7.5	2.4	1.5	0.0
25°	101.9	57.9	25.8	8.5	2.5	1.5	0.0
22.5°	111.3	64.1	29.1	9.6	2.6	1.6	0.0
20°	120.3	70.2	32.3	10.6	2.7	1.6	0.0
17.5°	128.6	75.8	35.3	11.7	2.8	1.6	0.0
15°	136.2	81.2	38.2	12.7	2.9	1.6	0.0
12.5°	143.2	86.1	41.0	13.8	3.0	1.7	0.0
10°	149.5	90.6	43.6	14.8	3.1	1.7	0.0
7.5°	155.2	94.7	46.1	15.8	3.2	1.7	0.0
5°	160.1	98.3	48.3	16.8	3.2	1.7	0.0
2.5°	164.4	101.4	50.3	17.7	3.3	1.7	0.0
0°	167.9	104.1	52.0	18.5	3.4	1.7	0.0
-2.5°	172.5	107.4	54.4	19.7	3.9	1.8	0.0
-5°	176.3	110.1	56.5	20.7	4.4	1.9	0.0
-7.5°	179.2	112.4	58.3	21.7	4.9	2.0	0.0
-10°	181.4	114.0	59.8	22.5	5.3	2.1	0.0
-12.5°	182.6	115.1	60.9	23.3	5.8	2.2	0.0
-15°	183.0	115.7	61.6	23.9	6.2	2.3	0.0
-17.5°	182.5	115.6	61.9	24.3	6.6	2.3	0.0
-20°	182.0	114.9	61.9	24.6	6.9	2.4	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	182.1	113.7	61.4	24.8	7.2	2.5	0.0
-25°	181.2	113.3	60.4	24.7	7.5	2.5	0.0
-27.5°	179.5	112.8	59.0	24.6	7.7	2.5	0.0
-30°	176.9	111.6	57.3	24.2	7.9	2.6	0.0
-32.5°	173.3	109.7	56.6	23.7	8.0	2.6	0.0
-35°	169.9	107.0	55.4	23.0	8.1	2.6	0.0
-37.5°	166.1	104.2	53.7	22.1	8.1	2.6	0.0
-40°	161.3	101.6	51.6	21.1	8.1	2.5	0.0
-42.5°	155.6	98.4	50.1	20.1	8.0	2.5	0.0
-45°	149.0	94.6	49.1	19.4	7.9	2.5	0.0
-47.5°	141.5	90.1	47.6	18.3	7.7	2.4	0.0
-50°	134.9	85.0	45.6	18.0	7.5	2.3	0.0
-52.5°	127.8	79.3	43.1	17.7	7.2	2.2	0.0
-55°	119.9	74.6	40.1	17.3	6.9	2.1	0.0
-57.5°	111.2	69.6	36.7	16.6	6.5	2.0	0.0
-60°	102.0	63.8	32.9	15.7	6.0	1.9	0.0
-62.5°	93.1	57.4	30.6	14.5	5.7	1.8	0.0
-65°	83.3	50.4	28.0	13.3	5.3	1.7	0.0
-67.5°	72.6	44.1	25.0	11.8	4.8	1.5	0.0
-70°	61.2	38.7	21.8	10.2	4.4	1.4	0.0
-72.5°	52.0	32.8	18.2	9.0	3.9	1.2	0.0
-75°	42.7	26.6	14.5	7.8	3.4	1.1	0.0
-77.5°	32.9	20.0	12.0	6.6	2.8	0.9	0.0
-80°	22.7	15.3	9.7	5.4	2.3	0.7	0.0
-82.5°	16.7	11.6	7.3	4.1	1.7	0.5	0.0
-85°	11.2	7.8	4.9	2.7	1.2	0.4	0.0
-87.5°	5.6	3.9	2.5	1.4	0.6	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)