

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



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P627661 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-750-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627661 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5C-750-U-VWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N130
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

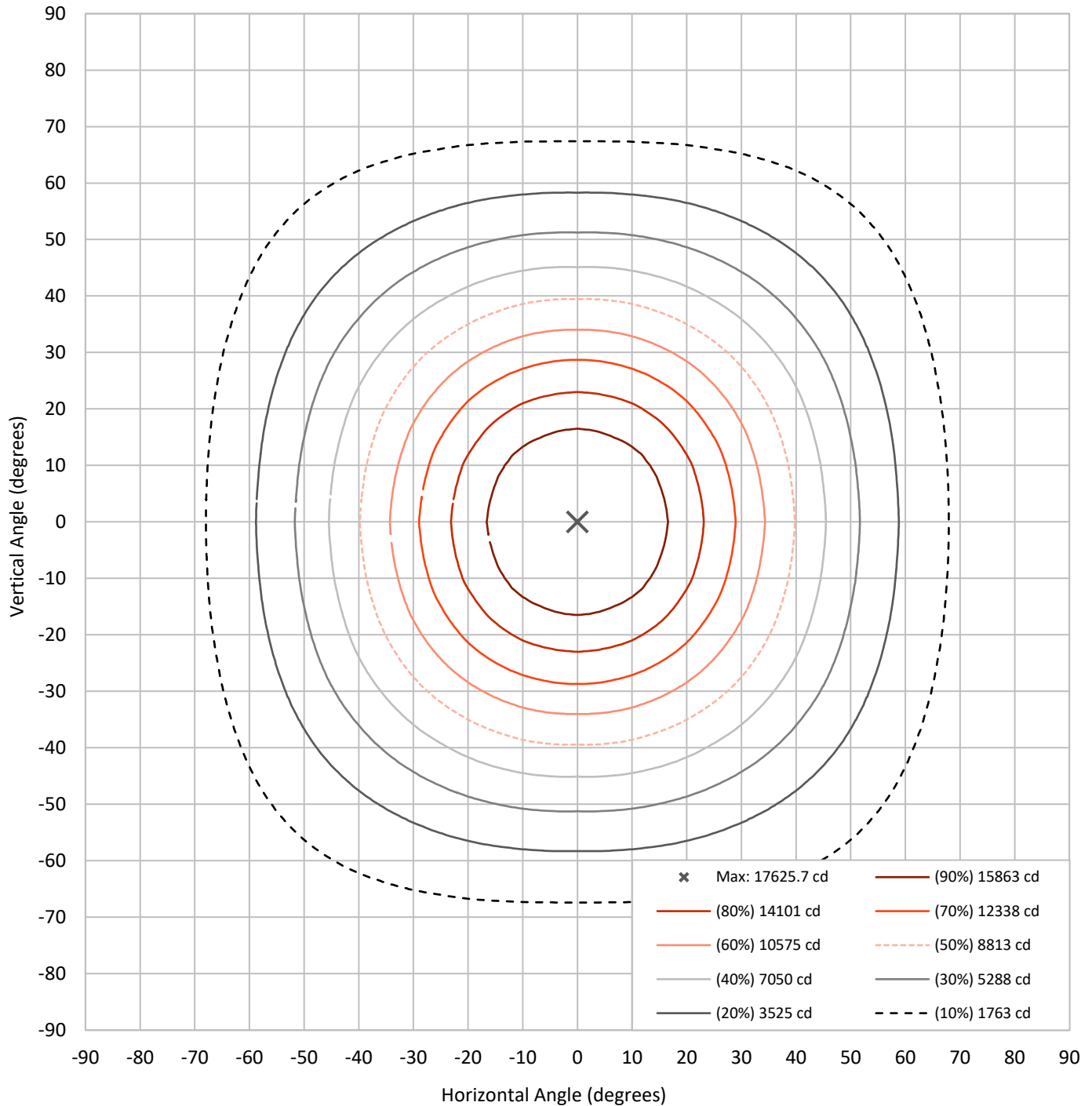
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	31857 lumens	Max Intensity:	17625.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	154.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	18684.3 lumens	Field Lumens:	30370.2 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	206.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



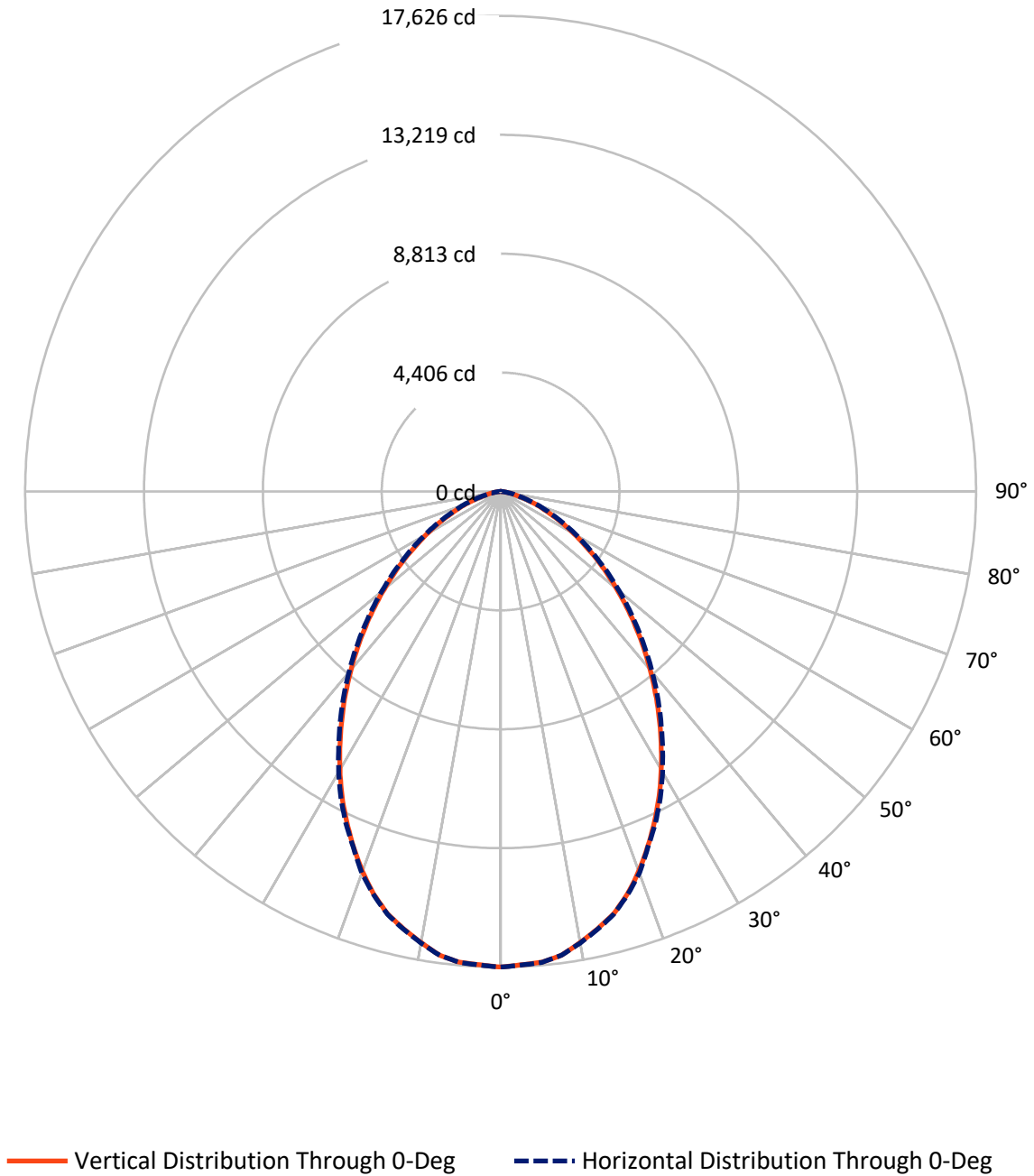
REPORT NUMBER: P627661 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-750-U-VWR-XX

Iso-Candela Plot



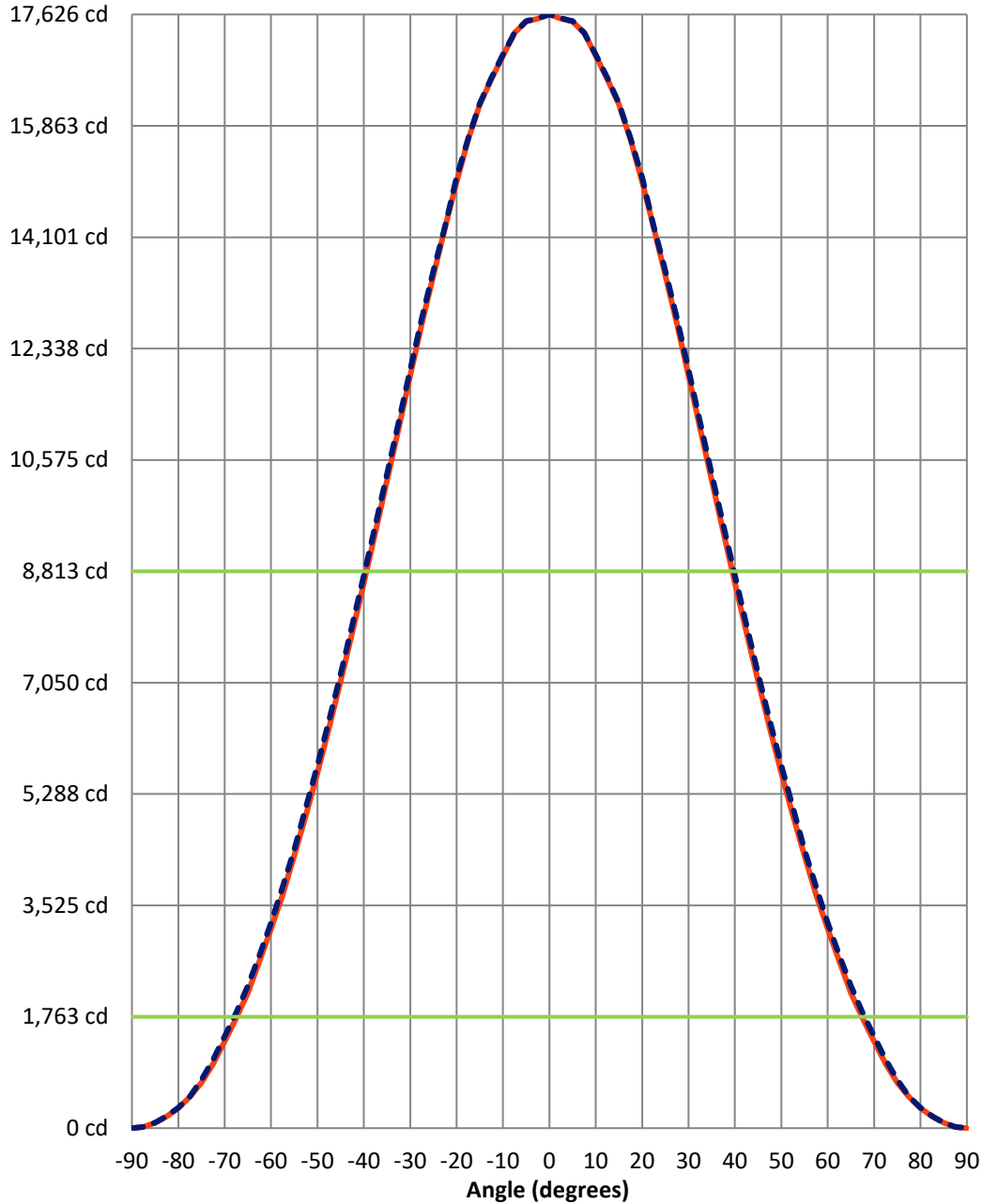
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 18684.3
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 30370.2
 Efficiency: 95.3%

Spill:
 Lumens: 1486.8
 Efficiency: 4.7%

— 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	1.0	2.3	3.4	4.6	5.7	6.8	7.9	9.0	10.1	11.2
85°	0.0	2.0	4.6	6.9	9.2	11.4	13.6	15.9	18.0	20.2	22.3
82.5°	0.0	3.0	6.9	10.3	13.7	17.1	20.4	23.8	29.7	46.8	63.2
80°	0.0	4.0	9.1	13.7	18.2	22.7	30.8	54.8	77.9	100.1	121.4
77.5°	0.0	5.0	11.3	17.1	22.7	35.7	67.1	97.4	125.8	153.2	187.0
75°	0.0	5.9	13.5	20.4	29.6	61.7	102.5	139.6	175.2	224.1	276.0
72.5°	0.0	6.9	15.7	23.8	47.3	87.1	136.8	185.0	240.8	300.4	363.4
70°	0.0	7.8	17.8	28.5	64.3	111.5	171.1	239.4	305.1	375.2	457.2
67.5°	0.0	8.7	19.8	39.0	80.7	134.9	212.3	292.5	368.0	456.6	550.5
65°	0.0	9.6	21.8	49.1	96.4	161.1	251.6	344.3	435.9	535.5	637.9
62.5°	0.0	10.5	23.7	58.8	111.2	189.8	289.0	398.3	501.6	610.9	716.1
60°	0.0	11.3	25.5	67.9	125.1	216.9	324.2	451.9	564.8	681.6	793.1
57.5°	0.0	12.1	30.6	76.6	143.7	242.4	361.3	501.9	627.1	751.0	866.2
55°	0.0	12.9	35.7	84.6	161.4	266.1	396.4	545.1	688.5	818.0	936.3
52.5°	0.0	13.6	40.5	92.0	177.8	288.6	428.9	590.0	748.4	879.7	1004.6
50°	0.0	14.3	45.1	98.8	193.0	312.5	458.7	632.6	805.2	939.6	1082.9
47.5°	0.0	15.0	49.5	105.8	206.8	334.3	486.7	672.3	856.7	997.5	1159.6
45°	0.0	15.6	53.7	115.0	219.2	354.0	517.7	708.9	896.8	1063.1	1233.0
42.5°	0.0	16.2	57.7	123.3	230.2	371.5	546.2	742.5	935.1	1125.8	1319.5
40°	0.0	16.8	61.4	131.8	241.3	386.8	572.1	774.3	975.0	1184.5	1403.7
37.5°	0.0	17.3	64.9	140.2	252.2	399.8	595.2	804.5	1019.7	1240.3	1482.7
35°	0.0	17.8	68.2	148.0	261.7	414.9	615.6	832.9	1063.3	1304.5	1562.2
32.5°	0.0	18.2	71.1	155.2	269.5	430.0	634.5	859.5	1105.6	1366.2	1646.5
30°	0.0	18.6	73.9	161.8	275.8	443.0	654.1	886.1	1146.4	1425.2	1725.3
27.5°	0.0	18.9	76.3	167.8	285.3	453.6	671.8	917.0	1188.4	1481.2	1798.3
25°	0.0	19.2	78.6	173.2	294.1	462.1	687.3	945.7	1232.3	1538.2	1866.0
22.5°	0.0	19.5	80.5	177.9	301.9	470.6	700.6	972.0	1272.6	1592.1	1938.0
20°	0.0	19.7	82.2	182.0	308.6	482.3	711.5	995.7	1309.2	1640.3	2002.5
17.5°	0.0	19.8	83.6	185.4	314.3	491.9	725.3	1016.5	1341.8	1682.7	2059.4
15°	0.0	20.0	84.7	188.2	318.8	499.3	739.5	1036.3	1370.2	1718.9	2108.5
12.5°	0.0	20.0	85.6	190.4	322.3	504.7	751.1	1055.0	1395.8	1749.1	2149.6
10°	0.0	20.1	86.1	191.9	324.7	508.0	760.0	1069.4	1417.9	1777.3	2184.3
7.5°	0.0	20.1	86.5	192.7	326.0	509.4	766.0	1079.4	1435.0	1800.1	2214.2
5°	0.0	20.0	86.5	193.0	326.3	508.8	769.1	1085.1	1446.7	1816.6	2235.6
2.5°	0.0	19.9	86.4	192.6	325.5	506.3	769.2	1086.4	1452.9	1826.6	2248.5
0°	0.0	19.8	85.9	191.6	323.7	502.1	766.3	1083.4	1453.4	1830.0	2252.8
-2.5°	0.0	19.9	86.4	192.6	325.5	506.3	769.2	1086.4	1452.9	1826.6	2248.5
-5°	0.0	20.0	86.5	193.0	326.3	508.8	769.1	1085.1	1446.7	1816.6	2235.6
-7.5°	0.0	20.1	86.5	192.7	326.0	509.4	766.0	1079.4	1435.0	1800.1	2214.2
-10°	0.0	20.1	86.1	191.9	324.7	508.0	760.0	1069.4	1417.9	1777.3	2184.3
-12.5°	0.0	20.0	85.6	190.4	322.3	504.7	751.1	1055.0	1395.8	1749.1	2149.6
-15°	0.0	20.0	84.7	188.2	318.8	499.3	739.5	1036.3	1370.2	1718.9	2108.5
-17.5°	0.0	19.8	83.6	185.4	314.3	491.9	725.3	1016.5	1341.8	1682.7	2059.4
-20°	0.0	19.7	82.2	182.0	308.6	482.3	711.5	995.7	1309.2	1640.3	2002.5

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	19.5	80.5	177.9	301.9	470.6	700.6	972.0	1272.6	1592.1	1938.0
-25°	0.0	19.2	78.6	173.2	294.1	462.1	687.3	945.7	1232.3	1538.2	1866.0
-27.5°	0.0	18.9	76.3	167.8	285.3	453.6	671.8	917.0	1188.4	1481.2	1798.3
-30°	0.0	18.6	73.9	161.8	275.8	443.0	654.1	886.1	1146.4	1425.2	1725.3
-32.5°	0.0	18.2	71.1	155.2	269.5	430.0	634.5	859.5	1105.6	1366.2	1646.5
-35°	0.0	17.8	68.2	148.0	261.7	414.9	615.6	832.9	1063.3	1304.5	1562.2
-37.5°	0.0	17.3	64.9	140.2	252.2	399.8	595.2	804.5	1019.7	1240.3	1482.7
-40°	0.0	16.8	61.4	131.8	241.3	386.8	572.1	774.3	975.0	1184.5	1403.7
-42.5°	0.0	16.2	57.7	123.3	230.2	371.5	546.2	742.5	935.1	1125.8	1319.5
-45°	0.0	15.6	53.7	115.0	219.2	354.0	517.7	708.9	896.8	1063.1	1233.0
-47.5°	0.0	15.0	49.5	105.8	206.8	334.3	486.7	672.3	856.7	997.5	1159.6
-50°	0.0	14.3	45.1	98.8	193.0	312.5	458.7	632.6	805.2	939.6	1082.9
-52.5°	0.0	13.6	40.5	92.0	177.8	288.6	428.9	590.0	748.4	879.7	1004.6
-55°	0.0	12.9	35.7	84.6	161.4	266.1	396.4	545.1	688.5	818.0	936.3
-57.5°	0.0	12.1	30.6	76.6	143.7	242.4	361.3	501.9	627.1	751.0	866.2
-60°	0.0	11.3	25.5	67.9	125.1	216.9	324.2	451.9	564.8	681.6	793.1
-62.5°	0.0	10.5	23.7	58.8	111.2	189.8	289.0	398.3	501.6	610.9	716.1
-65°	0.0	9.6	21.8	49.1	96.4	161.1	251.6	344.3	435.9	535.5	637.9
-67.5°	0.0	8.7	19.8	39.0	80.7	134.9	212.3	292.5	368.0	456.6	550.5
-70°	0.0	7.8	17.8	28.5	64.3	111.5	171.1	239.4	305.1	375.2	457.2
-72.5°	0.0	6.9	15.7	23.8	47.3	87.1	136.8	185.0	240.8	300.4	363.4
-75°	0.0	5.9	13.5	20.4	29.6	61.7	102.5	139.6	175.2	224.1	276.0
-77.5°	0.0	5.0	11.3	17.1	22.7	35.7	67.1	97.4	125.8	153.2	187.0
-80°	0.0	4.0	9.1	13.7	18.2	22.7	30.8	54.8	77.9	100.1	121.4
-82.5°	0.0	3.0	6.9	10.3	13.7	17.1	20.4	23.8	29.7	46.8	63.2
-85°	0.0	2.0	4.6	6.9	9.2	11.4	13.6	15.9	18.0	20.2	22.3
-87.5°	0.0	1.0	2.3	3.4	4.6	5.7	6.8	7.9	9.0	10.1	11.2
-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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 CATALOG NUMBER: GFLD-SA5C-750-U-VWR-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°	12.9	14.8	16.8	18.9	19.1	19.1	19.0	18.7	19.5	20.2	20.9
85°	25.8	29.6	41.1	52.3	57.6	61.0	62.4	62.2	72.3	84.1	96.8
82.5°	80.4	96.9	112.8	127.8	131.7	131.8	130.5	130.9	154.7	181.9	209.8
80°	143.2	164.2	192.0	216.7	227.5	233.0	235.5	235.1	265.2	305.2	347.3
77.5°	227.1	262.5	293.2	319.4	333.5	345.9	356.1	363.9	402.5	453.2	503.4
75°	322.7	361.5	400.1	433.7	457.2	474.6	490.9	517.0	567.6	626.7	678.1
72.5°	423.6	473.2	516.1	552.6	585.6	620.7	659.9	702.8	756.2	815.2	869.0
70°	531.4	585.8	630.9	674.8	719.7	772.2	831.1	889.0	948.6	1013.7	1076.3
67.5°	636.8	689.4	742.4	797.8	865.1	935.4	1004.9	1084.7	1166.4	1238.7	1303.3
65°	728.4	790.0	856.3	931.6	1014.7	1103.9	1196.8	1292.5	1396.1	1482.9	1562.0
62.5°	815.9	890.0	970.5	1064.3	1170.3	1276.0	1394.4	1514.2	1630.8	1733.1	1827.6
60°	896.5	986.2	1088.1	1203.1	1326.8	1467.3	1602.1	1738.4	1866.2	1982.1	2101.6
57.5°	974.9	1087.8	1210.1	1348.1	1504.5	1662.3	1820.8	1967.4	2112.2	2253.3	2388.5
55°	1057.9	1193.9	1339.4	1508.8	1685.1	1871.7	2042.4	2206.0	2365.6	2536.8	2699.7
52.5°	1149.2	1301.1	1483.3	1672.8	1876.5	2076.8	2264.3	2450.7	2643.5	2837.4	3049.4
50°	1237.3	1426.8	1626.4	1846.8	2066.8	2281.4	2496.5	2711.1	2942.1	3179.9	3420.1
47.5°	1340.2	1547.0	1782.8	2019.2	2259.6	2498.5	2738.0	2997.5	3259.9	3535.7	3801.3
45°	1444.4	1676.9	1931.0	2198.3	2458.3	2722.6	3002.8	3289.7	3597.3	3900.6	4220.2
42.5°	1543.2	1806.0	2086.0	2374.7	2663.9	2959.3	3267.4	3602.5	3938.7	4288.4	4639.7
40°	1652.6	1928.8	2237.5	2555.5	2869.3	3196.8	3548.9	3911.8	4292.2	4676.8	5058.2
37.5°	1757.7	2061.3	2385.9	2728.1	3080.3	3440.2	3822.5	4234.4	4647.0	5060.8	5481.5
35°	1856.2	2187.1	2538.6	2901.9	3275.4	3684.8	4112.2	4551.8	4998.8	5446.4	5898.9
32.5°	1957.5	2305.6	2684.5	3073.3	3484.9	3923.9	4392.0	4868.5	5344.5	5822.5	6317.8
30°	2059.1	2429.9	2825.8	3235.4	3685.6	4163.9	4667.1	5171.7	5675.3	6201.3	6729.1
27.5°	2155.0	2547.9	2964.6	3403.0	3878.0	4386.2	4920.6	5461.1	6004.1	6563.3	7126.3
25°	2243.4	2659.6	3093.5	3564.2	4067.6	4600.1	5156.8	5720.8	6316.3	6914.7	7502.6
22.5°	2329.5	2762.1	3212.8	3712.7	4239.5	4798.7	5378.3	5974.0	6596.3	7238.9	7847.3
20°	2412.4	2859.9	3329.0	3847.3	4393.4	4977.6	5579.8	6203.5	6856.4	7516.2	8170.6
17.5°	2486.1	2946.7	3437.2	3973.1	4540.4	5141.0	5761.2	6405.5	7087.4	7771.3	8464.8
15°	2550.1	3022.3	3530.8	4083.0	4670.2	5289.6	5929.6	6592.3	7291.7	8003.9	8724.8
12.5°	2604.3	3086.3	3609.6	4176.3	4780.4	5417.0	6074.4	6760.3	7478.6	8210.7	8952.5
10°	2648.4	3138.4	3673.4	4252.6	4870.4	5522.3	6193.6	6898.8	7638.6	8386.7	9144.0
7.5°	2685.8	3182.0	3724.0	4311.4	4939.7	5604.8	6286.4	7006.9	7766.1	8523.9	9297.9
5°	2713.1	3217.1	3770.6	4360.7	5000.1	5669.2	6356.7	7083.8	7859.3	8621.6	9409.5
2.5°	2729.5	3240.1	3802.2	4392.7	5047.5	5717.5	6419.2	7151.9	7927.7	8699.2	9493.4
0°	2735.0	3250.3	3818.5	4406.4	5073.7	5740.9	6454.4	7187.7	7960.7	8746.8	9546.2
-2.5°	2729.5	3240.1	3802.2	4392.7	5047.5	5717.5	6419.2	7151.9	7927.7	8699.2	9493.4
-5°	2713.1	3217.1	3770.6	4360.7	5000.1	5669.2	6356.7	7083.8	7859.3	8621.6	9409.5
-7.5°	2685.8	3182.0	3724.0	4311.4	4939.7	5604.8	6286.4	7006.9	7766.1	8523.9	9297.9
-10°	2648.4	3138.4	3673.4	4252.6	4870.4	5522.3	6193.6	6898.8	7638.6	8386.7	9144.0
-12.5°	2604.3	3086.3	3609.6	4176.3	4780.4	5417.0	6074.4	6760.3	7478.6	8210.7	8952.5
-15°	2550.1	3022.3	3530.8	4083.0	4670.2	5289.6	5929.6	6592.3	7291.7	8003.9	8724.8
-17.5°	2486.1	2946.7	3437.2	3973.1	4540.4	5141.0	5761.2	6405.5	7087.4	7771.3	8464.8
-20°	2412.4	2859.9	3329.0	3847.3	4393.4	4977.6	5579.8	6203.5	6856.4	7516.2	8170.6

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Scaled Data Report



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2329.5	2762.1	3212.8	3712.7	4239.5	4798.7	5378.3	5974.0	6596.3	7238.9	7847.3
-25°	2243.4	2659.6	3093.5	3564.2	4067.6	4600.1	5156.8	5720.8	6316.3	6914.7	7502.6
-27.5°	2155.0	2547.9	2964.6	3403.0	3878.0	4386.2	4920.6	5461.1	6004.1	6563.3	7126.3
-30°	2059.1	2429.9	2825.8	3235.4	3685.6	4163.9	4667.1	5171.7	5675.3	6201.3	6729.1
-32.5°	1957.5	2305.6	2684.5	3073.3	3484.9	3923.9	4392.0	4868.5	5344.5	5822.5	6317.8
-35°	1856.2	2187.1	2538.6	2901.9	3275.4	3684.8	4112.2	4551.8	4998.8	5446.4	5898.9
-37.5°	1757.7	2061.3	2385.9	2728.1	3080.3	3440.2	3822.5	4234.4	4647.0	5060.8	5481.5
-40°	1652.6	1928.8	2237.5	2555.5	2869.3	3196.8	3548.9	3911.8	4292.2	4676.8	5058.2
-42.5°	1543.2	1806.0	2086.0	2374.7	2663.9	2959.3	3267.4	3602.5	3938.7	4288.4	4639.7
-45°	1444.4	1676.9	1931.0	2198.3	2458.3	2722.6	3002.8	3289.7	3597.3	3900.6	4220.2
-47.5°	1340.2	1547.0	1782.8	2019.2	2259.6	2498.5	2738.0	2997.5	3259.9	3535.7	3801.3
-50°	1237.3	1426.8	1626.4	1846.8	2066.8	2281.4	2496.5	2711.1	2942.1	3179.9	3420.1
-52.5°	1149.2	1301.1	1483.3	1672.8	1876.5	2076.8	2264.3	2450.7	2643.5	2837.4	3049.4
-55°	1057.9	1193.9	1339.4	1508.8	1685.1	1871.7	2042.4	2206.0	2365.6	2536.8	2699.7
-57.5°	974.9	1087.8	1210.1	1348.1	1504.5	1662.3	1820.8	1967.4	2112.2	2253.3	2388.5
-60°	896.5	986.2	1088.1	1203.1	1326.8	1467.3	1602.1	1738.4	1866.2	1982.1	2101.6
-62.5°	815.9	890.0	970.5	1064.3	1170.3	1276.0	1394.4	1514.2	1630.8	1733.1	1827.6
-65°	728.4	790.0	856.3	931.6	1014.7	1103.9	1196.8	1292.5	1396.1	1482.9	1562.0
-67.5°	636.8	689.4	742.4	797.8	865.1	935.4	1004.9	1084.7	1166.4	1238.7	1303.3
-70°	531.4	585.8	630.9	674.8	719.7	772.2	831.1	889.0	948.6	1013.7	1076.3
-72.5°	423.6	473.2	516.1	552.6	585.6	620.7	659.9	702.8	756.2	815.2	869.0
-75°	322.7	361.5	400.1	433.7	457.2	474.6	490.9	517.0	567.6	626.7	678.1
-77.5°	227.1	262.5	293.2	319.4	333.5	345.9	356.1	363.9	402.5	453.2	503.4
-80°	143.2	164.2	192.0	216.7	227.5	233.0	235.5	235.1	265.2	305.2	347.3
-82.5°	80.4	96.9	112.8	127.8	131.7	131.8	130.5	130.9	154.7	181.9	209.8
-85°	25.8	29.6	41.1	52.3	57.6	61.0	62.4	62.2	72.3	84.1	96.8
-87.5°	12.9	14.8	16.8	18.9	19.1	19.1	19.0	18.7	19.5	20.2	20.9
-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: P627661 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-750-U-VWR-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°	21.6	22.3	22.9	23.4	23.9	24.4	24.8	25.2	25.5	24.2	22.8
85°	110.4	118.2	125.5	132.4	139.1	145.4	151.3	156.8	161.8	147.8	132.3
82.5°	238.3	257.4	275.6	293.7	311.7	316.2	317.6	317.0	314.4	289.8	262.5
80°	389.0	421.4	451.9	482.2	512.1	515.5	512.1	505.9	497.2	464.8	428.2
77.5°	553.5	594.3	630.0	662.6	692.4	698.0	697.2	695.7	693.3	660.3	620.4
75°	722.1	762.0	800.4	833.1	860.4	873.0	879.1	883.5	885.9	862.2	831.2
72.5°	917.6	959.1	993.1	1024.8	1051.7	1071.1	1085.1	1095.6	1102.8	1095.6	1082.9
70°	1129.8	1174.3	1211.7	1247.6	1284.1	1313.3	1335.3	1351.3	1361.5	1368.1	1372.8
67.5°	1368.6	1428.4	1480.5	1525.0	1569.1	1610.4	1644.4	1672.1	1693.5	1711.7	1725.7
65°	1637.8	1714.1	1781.8	1844.0	1901.0	1960.9	2010.1	2051.4	2084.6	2112.0	2134.1
62.5°	1920.7	2014.3	2101.2	2185.6	2268.2	2349.6	2412.1	2469.0	2519.6	2563.1	2597.7
60°	2214.7	2321.1	2437.7	2549.1	2651.6	2745.2	2838.2	2918.7	2987.7	3044.8	3090.9
57.5°	2530.8	2668.5	2804.9	2943.2	3073.8	3196.1	3310.6	3411.6	3497.0	3567.0	3625.8
55°	2872.2	3044.5	3202.6	3377.1	3545.6	3699.2	3834.3	3953.0	4055.7	4141.7	4214.7
52.5°	3247.5	3456.8	3662.3	3860.8	4052.2	4230.2	4392.0	4530.3	4653.3	4758.8	4842.9
50°	3658.3	3897.8	4135.9	4356.7	4576.6	4781.8	4967.2	5127.7	5270.8	5394.8	5492.3
47.5°	4087.9	4360.4	4626.4	4879.2	5122.5	5350.6	5551.4	5734.3	5912.8	6058.3	6173.4
45°	4533.9	4839.7	5133.1	5422.1	5690.1	5945.6	6193.4	6421.1	6604.3	6764.7	6899.4
42.5°	4985.4	5326.5	5655.0	5970.3	6265.0	6560.6	6839.2	7088.2	7297.1	7479.4	7632.5
40°	5442.7	5816.1	6178.1	6521.9	6858.8	7181.0	7482.4	7745.0	7980.6	8197.2	8377.6
37.5°	5897.7	6308.6	6709.6	7094.7	7465.6	7814.8	8140.4	8437.2	8703.0	8949.7	9150.0
35°	6354.8	6805.6	7244.5	7668.3	8073.5	8458.8	8815.4	9153.0	9466.3	9716.1	9921.0
32.5°	6810.1	7294.7	7772.4	8239.0	8682.5	9097.8	9484.1	9857.3	10179.5	10454.1	10689.8
30°	7250.7	7775.6	8295.9	8801.8	9280.8	9730.9	10158.6	10553.2	10899.7	11200.1	11464.4
27.5°	7683.0	8247.0	8805.2	9345.6	9863.6	10352.6	10819.4	11247.3	11625.5	11951.9	12230.6
25°	8091.6	8697.8	9292.8	9865.8	10419.0	10958.5	11462.6	11929.5	12333.4	12691.8	12978.1
22.5°	8482.0	9128.5	9753.7	10356.4	10948.2	11529.7	12081.5	12569.1	12997.2	13371.8	13688.7
20°	8845.7	9538.4	10178.1	10815.5	11438.9	12059.8	12652.3	13166.7	13619.7	14018.5	14367.8
17.5°	9185.7	9896.2	10569.7	11248.4	11905.4	12556.8	13158.7	13710.1	14198.8	14622.3	14988.1
15°	9473.5	10191.1	10926.6	11651.2	12344.1	13003.6	13605.0	14180.9	14723.6	15181.6	15552.5
12.5°	9706.5	10452.8	11220.1	11989.4	12722.1	13380.8	14010.4	14594.6	15164.6	15679.0	16020.0
10°	9905.1	10673.6	11465.8	12250.3	12992.8	13689.7	14374.3	14991.9	15552.0	16012.7	16393.5
7.5°	10076.8	10868.5	11673.0	12458.8	13198.8	13919.0	14623.6	15279.6	15845.0	16279.0	16618.7
5°	10203.5	11013.9	11834.0	12627.0	13377.4	14099.8	14807.7	15455.4	16007.4	16449.0	16819.4
2.5°	10294.1	11112.1	11938.1	12732.3	13499.2	14223.5	14949.1	15604.1	16138.6	16543.2	16897.9
0°	10352.2	11171.3	12003.7	12816.3	13569.4	14269.7	15049.3	15663.7	16218.6	16621.6	16991.5
-2.5°	10294.1	11112.1	11938.1	12732.3	13499.2	14223.5	14949.1	15604.1	16138.6	16543.2	16897.9
-5°	10203.5	11013.9	11834.0	12627.0	13377.4	14099.8	14807.7	15455.4	16007.4	16449.0	16819.4
-7.5°	10076.8	10868.5	11673.0	12458.8	13198.8	13919.0	14623.6	15279.6	15845.0	16279.0	16618.7
-10°	9905.1	10673.6	11465.8	12250.3	12992.8	13689.7	14374.3	14991.9	15552.0	16012.7	16393.5
-12.5°	9706.5	10452.8	11220.1	11989.4	12722.1	13380.8	14010.4	14594.6	15164.6	15679.0	16020.0
-15°	9473.5	10191.1	10926.6	11651.2	12344.1	13003.6	13605.0	14180.9	14723.6	15181.6	15552.5
-17.5°	9185.7	9896.2	10569.7	11248.4	11905.4	12556.8	13158.7	13710.1	14198.8	14622.3	14988.1
-20°	8845.7	9538.4	10178.1	10815.5	11438.9	12059.8	12652.3	13166.7	13619.7	14018.5	14367.8



REPORT NUMBER: P627661 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-750-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8482.0	9128.5	9753.7	10356.4	10948.2	11529.7	12081.5	12569.1	12997.2	13371.8	13688.7
-25°	8091.6	8697.8	9292.8	9865.8	10419.0	10958.5	11462.6	11929.5	12333.4	12691.8	12978.1
-27.5°	7683.0	8247.0	8805.2	9345.6	9863.6	10352.6	10819.4	11247.3	11625.5	11951.9	12230.6
-30°	7250.7	7775.6	8295.9	8801.8	9280.8	9730.9	10158.6	10553.2	10899.7	11200.1	11464.4
-32.5°	6810.1	7294.7	7772.4	8239.0	8682.5	9097.8	9484.1	9857.3	10179.5	10454.1	10689.8
-35°	6354.8	6805.6	7244.5	7668.3	8073.5	8458.8	8815.4	9153.0	9466.3	9716.1	9921.0
-37.5°	5897.7	6308.6	6709.6	7094.7	7465.6	7814.8	8140.4	8437.2	8703.0	8949.7	9150.0
-40°	5442.7	5816.1	6178.1	6521.9	6858.8	7181.0	7482.4	7745.0	7980.6	8197.2	8377.6
-42.5°	4985.4	5326.5	5655.0	5970.3	6265.0	6560.6	6839.2	7088.2	7297.1	7479.4	7632.5
-45°	4533.9	4839.7	5133.1	5422.1	5690.1	5945.6	6193.4	6421.1	6604.3	6764.7	6899.4
-47.5°	4087.9	4360.4	4626.4	4879.2	5122.5	5350.6	5551.4	5734.3	5912.8	6058.3	6173.4
-50°	3658.3	3897.8	4135.9	4356.7	4576.6	4781.8	4967.2	5127.7	5270.8	5394.8	5492.3
-52.5°	3247.5	3456.8	3662.3	3860.8	4052.2	4230.2	4392.0	4530.3	4653.3	4758.8	4842.9
-55°	2872.2	3044.5	3202.6	3377.1	3545.6	3699.2	3834.3	3953.0	4055.7	4141.7	4214.7
-57.5°	2530.8	2668.5	2804.9	2943.2	3073.8	3196.1	3310.6	3411.6	3497.0	3567.0	3625.8
-60°	2214.7	2321.1	2437.7	2549.1	2651.6	2745.2	2838.2	2918.7	2987.7	3044.8	3090.9
-62.5°	1920.7	2014.3	2101.2	2185.6	2268.2	2349.6	2412.1	2469.0	2519.6	2563.1	2597.7
-65°	1637.8	1714.1	1781.8	1844.0	1901.0	1960.9	2010.1	2051.4	2084.6	2112.0	2134.1
-67.5°	1368.6	1428.4	1480.5	1525.0	1569.1	1610.4	1644.4	1672.1	1693.5	1711.7	1725.7
-70°	1129.8	1174.3	1211.7	1247.6	1284.1	1313.3	1335.3	1351.3	1361.5	1368.1	1372.8
-72.5°	917.6	959.1	993.1	1024.8	1051.7	1071.1	1085.1	1095.6	1102.8	1095.6	1082.9
-75°	722.1	762.0	800.4	833.1	860.4	873.0	879.1	883.5	885.9	862.2	831.2
-77.5°	553.5	594.3	630.0	662.6	692.4	698.0	697.2	695.7	693.3	660.3	620.4
-80°	389.0	421.4	451.9	482.2	512.1	515.5	512.1	505.9	497.2	464.8	428.2
-82.5°	238.3	257.4	275.6	293.7	311.7	316.2	317.6	317.0	314.4	289.8	262.5
-85°	110.4	118.2	125.5	132.4	139.1	145.4	151.3	156.8	161.8	147.8	132.3
-87.5°	21.6	22.3	22.9	23.4	23.9	24.4	24.8	25.2	25.5	24.2	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: P627661 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-750-U-VWR-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°	21.3	19.7	19.8	19.8	19.8	19.7	21.3	22.8	24.2	25.5	25.2
85°	115.8	98.6	92.4	85.9	92.4	98.6	115.8	132.3	147.8	161.8	156.8
82.5°	233.9	204.1	194.7	185.0	194.7	204.1	233.9	262.5	289.8	314.4	317.0
80°	389.6	349.2	333.3	317.1	333.3	349.2	389.6	428.2	464.8	497.2	505.9
77.5°	578.2	533.8	514.9	495.5	514.9	533.8	578.2	620.4	660.3	693.3	695.7
75°	798.4	763.7	742.7	720.1	742.7	763.7	798.4	831.2	862.2	885.9	883.5
72.5°	1068.4	1051.4	1036.1	1017.4	1036.1	1051.4	1068.4	1082.9	1095.6	1102.8	1095.6
70°	1374.3	1372.2	1374.9	1374.1	1374.9	1372.2	1374.3	1372.8	1368.1	1361.5	1351.3
67.5°	1732.9	1733.4	1740.8	1744.1	1740.8	1733.4	1732.9	1725.7	1711.7	1693.5	1672.1
65°	2147.7	2152.8	2150.9	2140.5	2150.9	2152.8	2147.7	2134.1	2112.0	2084.6	2051.4
62.5°	2622.3	2636.6	2644.4	2642.5	2644.4	2636.6	2622.3	2597.7	2563.1	2519.6	2469.0
60°	3125.4	3147.7	3158.9	3157.8	3158.9	3147.7	3125.4	3090.9	3044.8	2987.7	2918.7
57.5°	3669.6	3698.2	3705.0	3693.0	3705.0	3698.2	3669.6	3625.8	3567.0	3497.0	3411.6
55°	4269.9	4306.5	4320.6	4313.9	4320.6	4306.5	4269.9	4214.7	4141.7	4055.7	3953.0
52.5°	4904.6	4944.2	4958.3	4948.2	4958.3	4944.2	4904.6	4842.9	4758.8	4653.3	4530.3
50°	5563.8	5611.8	5631.2	5622.0	5631.2	5611.8	5563.8	5492.3	5394.8	5270.8	5127.7
47.5°	6263.6	6327.5	6352.4	6335.5	6352.4	6327.5	6263.6	6173.4	6058.3	5912.8	5734.3
45°	7000.0	7066.2	7091.9	7075.4	7091.9	7066.2	7000.0	6899.4	6764.7	6604.3	6421.1
42.5°	7749.5	7835.6	7872.0	7841.7	7872.0	7835.6	7749.5	7632.5	7479.4	7297.1	7088.2
40°	8512.2	8605.7	8648.8	8627.9	8648.8	8605.7	8512.2	8377.6	8197.2	7980.6	7745.0
37.5°	9294.5	9387.6	9433.3	9433.9	9433.3	9387.6	9294.5	9150.0	8949.7	8703.0	8437.2
35°	10079.8	10192.4	10256.2	10253.1	10256.2	10192.4	10079.8	9921.0	9716.1	9466.3	9153.0
32.5°	10876.0	10998.0	11063.1	11072.2	11063.1	10998.0	10876.0	10689.8	10454.1	10179.5	9857.3
30°	11670.9	11805.0	11880.4	11911.3	11880.4	11805.0	11670.9	11464.4	11200.1	10899.7	10553.2
27.5°	12441.7	12606.7	12720.6	12730.4	12720.6	12606.7	12441.7	12230.6	11951.9	11625.5	11247.3
25°	13188.3	13356.3	13473.0	13496.8	13473.0	13356.3	13188.3	12978.1	12691.8	12333.4	11929.5
22.5°	13924.1	14099.7	14207.5	14249.9	14207.5	14099.7	13924.1	13688.7	13371.8	12997.2	12569.1
20°	14626.6	14816.8	14931.1	14976.6	14931.1	14816.8	14626.6	14367.8	14018.5	13619.7	13166.7
17.5°	15262.0	15463.0	15604.2	15643.8	15604.2	15463.0	15262.0	14988.1	14622.3	14198.8	13710.1
15°	15821.3	16011.9	16145.9	16198.8	16145.9	16011.9	15821.3	15552.5	15181.6	14723.6	14180.9
12.5°	16276.5	16447.0	16551.9	16601.8	16551.9	16447.0	16276.5	16020.0	15679.0	15164.6	14594.6
10°	16632.1	16803.2	16903.4	16971.7	16903.4	16803.2	16632.1	16393.5	16012.7	15552.0	14991.9
7.5°	16940.7	17116.0	17238.6	17335.1	17238.6	17116.0	16940.7	16618.7	16279.0	15845.0	15279.6
5°	17111.1	17403.8	17447.9	17513.4	17447.9	17403.8	17111.1	16819.4	16449.0	16007.4	15455.4
2.5°	17241.1	17448.6	17573.4	17559.7	17573.4	17448.6	17241.1	16897.9	16543.2	16138.6	15604.1
0°	17335.1	17520.0	17566.3	17625.7	17566.3	17520.0	17335.1	16991.5	16621.6	16218.6	15663.7
-2.5°	17241.1	17448.6	17573.4	17559.7	17573.4	17448.6	17241.1	16897.9	16543.2	16138.6	15604.1
-5°	17111.1	17403.8	17447.9	17513.4	17447.9	17403.8	17111.1	16819.4	16449.0	16007.4	15455.4
-7.5°	16940.7	17116.0	17238.6	17335.1	17238.6	17116.0	16940.7	16618.7	16279.0	15845.0	15279.6
-10°	16632.1	16803.2	16903.4	16971.7	16903.4	16803.2	16632.1	16393.5	16012.7	15552.0	14991.9
-12.5°	16276.5	16447.0	16551.9	16601.8	16551.9	16447.0	16276.5	16020.0	15679.0	15164.6	14594.6
-15°	15821.3	16011.9	16145.9	16198.8	16145.9	16011.9	15821.3	15552.5	15181.6	14723.6	14180.9
-17.5°	15262.0	15463.0	15604.2	15643.8	15604.2	15463.0	15262.0	14988.1	14622.3	14198.8	13710.1
-20°	14626.6	14816.8	14931.1	14976.6	14931.1	14816.8	14626.6	14367.8	14018.5	13619.7	13166.7



REPORT NUMBER: P627661 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-750-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	13924.1	14099.7	14207.5	14249.9	14207.5	14099.7	13924.1	13688.7	13371.8	12997.2	12569.1
-25°	13188.3	13356.3	13473.0	13496.8	13473.0	13356.3	13188.3	12978.1	12691.8	12333.4	11929.5
-27.5°	12441.7	12606.7	12720.6	12730.4	12720.6	12606.7	12441.7	12230.6	11951.9	11625.5	11247.3
-30°	11670.9	11805.0	11880.4	11911.3	11880.4	11805.0	11670.9	11464.4	11200.1	10899.7	10553.2
-32.5°	10876.0	10998.0	11063.1	11072.2	11063.1	10998.0	10876.0	10689.8	10454.1	10179.5	9857.3
-35°	10079.8	10192.4	10256.2	10253.1	10256.2	10192.4	10079.8	9921.0	9716.1	9466.3	9153.0
-37.5°	9294.5	9387.6	9433.3	9433.9	9433.3	9387.6	9294.5	9150.0	8949.7	8703.0	8437.2
-40°	8512.2	8605.7	8648.8	8627.9	8648.8	8605.7	8512.2	8377.6	8197.2	7980.6	7745.0
-42.5°	7749.5	7835.6	7872.0	7841.7	7872.0	7835.6	7749.5	7632.5	7479.4	7297.1	7088.2
-45°	7000.0	7066.2	7091.9	7075.4	7091.9	7066.2	7000.0	6899.4	6764.7	6604.3	6421.1
-47.5°	6263.6	6327.5	6352.4	6335.5	6352.4	6327.5	6263.6	6173.4	6058.3	5912.8	5734.3
-50°	5563.8	5611.8	5631.2	5622.0	5631.2	5611.8	5563.8	5492.3	5394.8	5270.8	5127.7
-52.5°	4904.6	4944.2	4958.3	4948.2	4958.3	4944.2	4904.6	4842.9	4758.8	4653.3	4530.3
-55°	4269.9	4306.5	4320.6	4313.9	4320.6	4306.5	4269.9	4214.7	4141.7	4055.7	3953.0
-57.5°	3669.6	3698.2	3705.0	3693.0	3705.0	3698.2	3669.6	3625.8	3567.0	3497.0	3411.6
-60°	3125.4	3147.7	3158.9	3157.8	3158.9	3147.7	3125.4	3090.9	3044.8	2987.7	2918.7
-62.5°	2622.3	2636.6	2644.4	2642.5	2644.4	2636.6	2622.3	2597.7	2563.1	2519.6	2469.0
-65°	2147.7	2152.8	2150.9	2140.5	2150.9	2152.8	2147.7	2134.1	2112.0	2084.6	2051.4
-67.5°	1732.9	1733.4	1740.8	1744.1	1740.8	1733.4	1732.9	1725.7	1711.7	1693.5	1672.1
-70°	1374.3	1372.2	1374.9	1374.1	1374.9	1372.2	1374.3	1372.8	1368.1	1361.5	1351.3
-72.5°	1068.4	1051.4	1036.1	1017.4	1036.1	1051.4	1068.4	1082.9	1095.6	1102.8	1095.6
-75°	798.4	763.7	742.7	720.1	742.7	763.7	798.4	831.2	862.2	885.9	883.5
-77.5°	578.2	533.8	514.9	495.5	514.9	533.8	578.2	620.4	660.3	693.3	695.7
-80°	389.6	349.2	333.3	317.1	333.3	349.2	389.6	428.2	464.8	497.2	505.9
-82.5°	233.9	204.1	194.7	185.0	194.7	204.1	233.9	262.5	289.8	314.4	317.0
-85°	115.8	98.6	92.4	85.9	92.4	98.6	115.8	132.3	147.8	161.8	156.8
-87.5°	21.3	19.7	19.8	19.8	19.8	19.7	21.3	22.8	24.2	25.5	25.2
-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: P627661 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-750-U-VWR-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°	24.8	24.4	23.9	23.4	22.9	22.3	21.6	20.9	20.2	19.5	18.7
85°	151.3	145.4	139.1	132.4	125.5	118.2	110.4	96.8	84.1	72.3	62.2
82.5°	317.6	316.2	311.7	293.7	275.6	257.4	238.3	209.8	181.9	154.7	130.9
80°	512.1	515.5	512.1	482.2	451.9	421.4	389.0	347.3	305.2	265.2	235.1
77.5°	697.2	698.0	692.4	662.6	630.0	594.3	553.5	503.4	453.2	402.5	363.9
75°	879.1	873.0	860.4	833.1	800.4	762.0	722.1	678.1	626.7	567.6	517.0
72.5°	1085.1	1071.1	1051.7	1024.8	993.1	959.1	917.6	869.0	815.2	756.2	702.8
70°	1335.3	1313.3	1284.1	1247.6	1211.7	1174.3	1129.8	1076.3	1013.7	948.6	889.0
67.5°	1644.4	1610.4	1569.1	1525.0	1480.5	1428.4	1368.6	1303.3	1238.7	1166.4	1084.7
65°	2010.1	1960.9	1901.0	1844.0	1781.8	1714.1	1637.8	1562.0	1482.9	1396.1	1292.5
62.5°	2412.1	2349.6	2268.2	2185.6	2101.2	2014.3	1920.7	1827.6	1733.1	1630.8	1514.2
60°	2838.2	2745.2	2651.6	2549.1	2437.7	2321.1	2214.7	2101.6	1982.1	1866.2	1738.4
57.5°	3310.6	3196.1	3073.8	2943.2	2804.9	2668.5	2530.8	2388.5	2253.3	2112.2	1967.4
55°	3834.3	3699.2	3545.6	3377.1	3202.6	3044.5	2872.2	2699.7	2536.8	2365.6	2206.0
52.5°	4392.0	4230.2	4052.2	3860.8	3662.3	3456.8	3247.5	3049.4	2837.4	2643.5	2450.7
50°	4967.2	4781.8	4576.6	4356.7	4135.9	3897.8	3658.3	3420.1	3179.9	2942.1	2711.1
47.5°	5551.4	5350.6	5122.5	4879.2	4626.4	4360.4	4087.9	3801.3	3535.7	3259.9	2997.5
45°	6193.4	5945.6	5690.1	5422.1	5133.1	4839.7	4533.9	4220.2	3900.6	3597.3	3289.7
42.5°	6839.2	6560.6	6265.0	5970.3	5655.0	5326.5	4985.4	4639.7	4288.4	3938.7	3602.5
40°	7482.4	7181.0	6858.8	6521.9	6178.1	5816.1	5442.7	5058.2	4676.8	4292.2	3911.8
37.5°	8140.4	7814.8	7465.6	7094.7	6709.6	6308.6	5897.7	5481.5	5060.8	4647.0	4234.4
35°	8815.4	8458.8	8073.5	7668.3	7244.5	6805.6	6354.8	5898.9	5446.4	4998.8	4551.8
32.5°	9484.1	9097.8	8682.5	8239.0	7772.4	7294.7	6810.1	6317.8	5822.5	5344.5	4868.5
30°	10158.6	9730.9	9280.8	8801.8	8295.9	7775.6	7250.7	6729.1	6201.3	5675.3	5171.7
27.5°	10819.4	10352.6	9863.6	9345.6	8805.2	8247.0	7683.0	7126.3	6563.3	6004.1	5461.1
25°	11462.6	10958.5	10419.0	9865.8	9292.8	8697.8	8091.6	7502.6	6914.7	6316.3	5720.8
22.5°	12081.5	11529.7	10948.2	10356.4	9753.7	9128.5	8482.0	7847.3	7238.9	6596.3	5974.0
20°	12652.3	12059.8	11438.9	10815.5	10178.1	9538.4	8845.7	8170.6	7516.2	6856.4	6203.5
17.5°	13158.7	12556.8	11905.4	11248.4	10569.7	9896.2	9185.7	8464.8	7771.3	7087.4	6405.5
15°	13605.0	13003.6	12344.1	11651.2	10926.6	10191.1	9473.5	8724.8	8003.9	7291.7	6592.3
12.5°	14010.4	13380.8	12722.1	11989.4	11220.1	10452.8	9706.5	8952.5	8210.7	7478.6	6760.3
10°	14374.3	13689.7	12992.8	12250.3	11465.8	10673.6	9905.1	9144.0	8386.7	7638.6	6898.8
7.5°	14623.6	13919.0	13198.8	12458.8	11673.0	10868.5	10076.8	9297.9	8523.9	7766.1	7006.9
5°	14807.7	14099.8	13377.4	12627.0	11834.0	11013.9	10203.5	9409.5	8621.6	7859.3	7083.8
2.5°	14949.1	14223.5	13499.2	12732.3	11938.1	11112.1	10294.1	9493.4	8699.2	7927.7	7151.9
0°	15049.3	14269.7	13569.4	12816.3	12003.7	11171.3	10352.2	9546.2	8746.8	7960.7	7187.7
-2.5°	14949.1	14223.5	13499.2	12732.3	11938.1	11112.1	10294.1	9493.4	8699.2	7927.7	7151.9
-5°	14807.7	14099.8	13377.4	12627.0	11834.0	11013.9	10203.5	9409.5	8621.6	7859.3	7083.8
-7.5°	14623.6	13919.0	13198.8	12458.8	11673.0	10868.5	10076.8	9297.9	8523.9	7766.1	7006.9
-10°	14374.3	13689.7	12992.8	12250.3	11465.8	10673.6	9905.1	9144.0	8386.7	7638.6	6898.8
-12.5°	14010.4	13380.8	12722.1	11989.4	11220.1	10452.8	9706.5	8952.5	8210.7	7478.6	6760.3
-15°	13605.0	13003.6	12344.1	11651.2	10926.6	10191.1	9473.5	8724.8	8003.9	7291.7	6592.3
-17.5°	13158.7	12556.8	11905.4	11248.4	10569.7	9896.2	9185.7	8464.8	7771.3	7087.4	6405.5
-20°	12652.3	12059.8	11438.9	10815.5	10178.1	9538.4	8845.7	8170.6	7516.2	6856.4	6203.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627661 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-750-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12081.5	11529.7	10948.2	10356.4	9753.7	9128.5	8482.0	7847.3	7238.9	6596.3	5974.0
-25°	11462.6	10958.5	10419.0	9865.8	9292.8	8697.8	8091.6	7502.6	6914.7	6316.3	5720.8
-27.5°	10819.4	10352.6	9863.6	9345.6	8805.2	8247.0	7683.0	7126.3	6563.3	6004.1	5461.1
-30°	10158.6	9730.9	9280.8	8801.8	8295.9	7775.6	7250.7	6729.1	6201.3	5675.3	5171.7
-32.5°	9484.1	9097.8	8682.5	8239.0	7772.4	7294.7	6810.1	6317.8	5822.5	5344.5	4868.5
-35°	8815.4	8458.8	8073.5	7668.3	7244.5	6805.6	6354.8	5898.9	5446.4	4998.8	4551.8
-37.5°	8140.4	7814.8	7465.6	7094.7	6709.6	6308.6	5897.7	5481.5	5060.8	4647.0	4234.4
-40°	7482.4	7181.0	6858.8	6521.9	6178.1	5816.1	5442.7	5058.2	4676.8	4292.2	3911.8
-42.5°	6839.2	6560.6	6265.0	5970.3	5655.0	5326.5	4985.4	4639.7	4288.4	3938.7	3602.5
-45°	6193.4	5945.6	5690.1	5422.1	5133.1	4839.7	4533.9	4220.2	3900.6	3597.3	3289.7
-47.5°	5551.4	5350.6	5122.5	4879.2	4626.4	4360.4	4087.9	3801.3	3535.7	3259.9	2997.5
-50°	4967.2	4781.8	4576.6	4356.7	4135.9	3897.8	3658.3	3420.1	3179.9	2942.1	2711.1
-52.5°	4392.0	4230.2	4052.2	3860.8	3662.3	3456.8	3247.5	3049.4	2837.4	2643.5	2450.7
-55°	3834.3	3699.2	3545.6	3377.1	3202.6	3044.5	2872.2	2699.7	2536.8	2365.6	2206.0
-57.5°	3310.6	3196.1	3073.8	2943.2	2804.9	2668.5	2530.8	2388.5	2253.3	2112.2	1967.4
-60°	2838.2	2745.2	2651.6	2549.1	2437.7	2321.1	2214.7	2101.6	1982.1	1866.2	1738.4
-62.5°	2412.1	2349.6	2268.2	2185.6	2101.2	2014.3	1920.7	1827.6	1733.1	1630.8	1514.2
-65°	2010.1	1960.9	1901.0	1844.0	1781.8	1714.1	1637.8	1562.0	1482.9	1396.1	1292.5
-67.5°	1644.4	1610.4	1569.1	1525.0	1480.5	1428.4	1368.6	1303.3	1238.7	1166.4	1084.7
-70°	1335.3	1313.3	1284.1	1247.6	1211.7	1174.3	1129.8	1076.3	1013.7	948.6	889.0
-72.5°	1085.1	1071.1	1051.7	1024.8	993.1	959.1	917.6	869.0	815.2	756.2	702.8
-75°	879.1	873.0	860.4	833.1	800.4	762.0	722.1	678.1	626.7	567.6	517.0
-77.5°	697.2	698.0	692.4	662.6	630.0	594.3	553.5	503.4	453.2	402.5	363.9
-80°	512.1	515.5	512.1	482.2	451.9	421.4	389.0	347.3	305.2	265.2	235.1
-82.5°	317.6	316.2	311.7	293.7	275.6	257.4	238.3	209.8	181.9	154.7	130.9
-85°	151.3	145.4	139.1	132.4	125.5	118.2	110.4	96.8	84.1	72.3	62.2
-87.5°	24.8	24.4	23.9	23.4	22.9	22.3	21.6	20.9	20.2	19.5	18.7
-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: P627661 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-750-U-VWR-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°	19.0	19.1	19.1	18.9	16.8	14.8	12.9	11.2	10.1	9.0	7.9
85°	62.4	61.0	57.6	52.3	41.1	29.6	25.8	22.3	20.2	18.0	15.9
82.5°	130.5	131.8	131.7	127.8	112.8	96.9	80.4	63.2	46.8	29.7	23.8
80°	235.5	233.0	227.5	216.7	192.0	164.2	143.2	121.4	100.1	77.9	54.8
77.5°	356.1	345.9	333.5	319.4	293.2	262.5	227.1	187.0	153.2	125.8	97.4
75°	490.9	474.6	457.2	433.7	400.1	361.5	322.7	276.0	224.1	175.2	139.6
72.5°	659.9	620.7	585.6	552.6	516.1	473.2	423.6	363.4	300.4	240.8	185.0
70°	831.1	772.2	719.7	674.8	630.9	585.8	531.4	457.2	375.2	305.1	239.4
67.5°	1004.9	935.4	865.1	797.8	742.4	689.4	636.8	550.5	456.6	368.0	292.5
65°	1196.8	1103.9	1014.7	931.6	856.3	790.0	728.4	637.9	535.5	435.9	344.3
62.5°	1394.4	1276.0	1170.3	1064.3	970.5	890.0	815.9	716.1	610.9	501.6	398.3
60°	1602.1	1467.3	1326.8	1203.1	1088.1	986.2	896.5	793.1	681.6	564.8	451.9
57.5°	1820.8	1662.3	1504.5	1348.1	1210.1	1087.8	974.9	866.2	751.0	627.1	501.9
55°	2042.4	1871.7	1685.1	1508.8	1339.4	1193.9	1057.9	936.3	818.0	688.5	545.1
52.5°	2264.3	2076.8	1876.5	1672.8	1483.3	1301.1	1149.2	1004.6	879.7	748.4	590.0
50°	2496.5	2281.4	2066.8	1846.8	1626.4	1426.8	1237.3	1082.9	939.6	805.2	632.6
47.5°	2738.0	2498.5	2259.6	2019.2	1782.8	1547.0	1340.2	1159.6	997.5	856.7	672.3
45°	3002.8	2722.6	2458.3	2198.3	1931.0	1676.9	1444.4	1233.0	1063.1	896.8	708.9
42.5°	3267.4	2959.3	2663.9	2374.7	2086.0	1806.0	1543.2	1319.5	1125.8	935.1	742.5
40°	3548.9	3196.8	2869.3	2555.5	2237.5	1928.8	1652.6	1403.7	1184.5	975.0	774.3
37.5°	3822.5	3440.2	3080.3	2728.1	2385.9	2061.3	1757.7	1482.7	1240.3	1019.7	804.5
35°	4112.2	3684.8	3275.4	2901.9	2538.6	2187.1	1856.2	1562.2	1304.5	1063.3	832.9
32.5°	4392.0	3923.9	3484.9	3073.3	2684.5	2305.6	1957.5	1646.5	1366.2	1105.6	859.5
30°	4667.1	4163.9	3685.6	3235.4	2825.8	2429.9	2059.1	1725.3	1425.2	1146.4	886.1
27.5°	4920.6	4386.2	3878.0	3403.0	2964.6	2547.9	2155.0	1798.3	1481.2	1188.4	917.0
25°	5156.8	4600.1	4067.6	3564.2	3093.5	2659.6	2243.4	1866.0	1538.2	1232.3	945.7
22.5°	5378.3	4798.7	4239.5	3712.7	3212.8	2762.1	2329.5	1938.0	1592.1	1272.6	972.0
20°	5579.8	4977.6	4393.4	3847.3	3329.0	2859.9	2412.4	2002.5	1640.3	1309.2	995.7
17.5°	5761.2	5141.0	4540.4	3973.1	3437.2	2946.7	2486.1	2059.4	1682.7	1341.8	1016.5
15°	5929.6	5289.6	4670.2	4083.0	3530.8	3022.3	2550.1	2108.5	1718.9	1370.2	1036.3
12.5°	6074.4	5417.0	4780.4	4176.3	3609.6	3086.3	2604.3	2149.6	1749.1	1395.8	1055.0
10°	6193.6	5522.3	4870.4	4252.6	3673.4	3138.4	2648.4	2184.3	1777.3	1417.9	1069.4
7.5°	6286.4	5604.8	4939.7	4311.4	3724.0	3182.0	2685.8	2214.2	1800.1	1435.0	1079.4
5°	6356.7	5669.2	5000.1	4360.7	3770.6	3217.1	2713.1	2235.6	1816.6	1446.7	1085.1
2.5°	6419.2	5717.5	5047.5	4392.7	3802.2	3240.1	2729.5	2248.5	1826.6	1452.9	1086.4
0°	6454.4	5740.9	5073.7	4406.4	3818.5	3250.3	2735.0	2252.8	1830.0	1453.4	1083.4
-2.5°	6419.2	5717.5	5047.5	4392.7	3802.2	3240.1	2729.5	2248.5	1826.6	1452.9	1086.4
-5°	6356.7	5669.2	5000.1	4360.7	3770.6	3217.1	2713.1	2235.6	1816.6	1446.7	1085.1
-7.5°	6286.4	5604.8	4939.7	4311.4	3724.0	3182.0	2685.8	2214.2	1800.1	1435.0	1079.4
-10°	6193.6	5522.3	4870.4	4252.6	3673.4	3138.4	2648.4	2184.3	1777.3	1417.9	1069.4
-12.5°	6074.4	5417.0	4780.4	4176.3	3609.6	3086.3	2604.3	2149.6	1749.1	1395.8	1055.0
-15°	5929.6	5289.6	4670.2	4083.0	3530.8	3022.3	2550.1	2108.5	1718.9	1370.2	1036.3
-17.5°	5761.2	5141.0	4540.4	3973.1	3437.2	2946.7	2486.1	2059.4	1682.7	1341.8	1016.5
-20°	5579.8	4977.6	4393.4	3847.3	3329.0	2859.9	2412.4	2002.5	1640.3	1309.2	995.7



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CATALOG NUMBER: GFLD-SA5C-750-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5378.3	4798.7	4239.5	3712.7	3212.8	2762.1	2329.5	1938.0	1592.1	1272.6	972.0
-25°	5156.8	4600.1	4067.6	3564.2	3093.5	2659.6	2243.4	1866.0	1538.2	1232.3	945.7
-27.5°	4920.6	4386.2	3878.0	3403.0	2964.6	2547.9	2155.0	1798.3	1481.2	1188.4	917.0
-30°	4667.1	4163.9	3685.6	3235.4	2825.8	2429.9	2059.1	1725.3	1425.2	1146.4	886.1
-32.5°	4392.0	3923.9	3484.9	3073.3	2684.5	2305.6	1957.5	1646.5	1366.2	1105.6	859.5
-35°	4112.2	3684.8	3275.4	2901.9	2538.6	2187.1	1856.2	1562.2	1304.5	1063.3	832.9
-37.5°	3822.5	3440.2	3080.3	2728.1	2385.9	2061.3	1757.7	1482.7	1240.3	1019.7	804.5
-40°	3548.9	3196.8	2869.3	2555.5	2237.5	1928.8	1652.6	1403.7	1184.5	975.0	774.3
-42.5°	3267.4	2959.3	2663.9	2374.7	2086.0	1806.0	1543.2	1319.5	1125.8	935.1	742.5
-45°	3002.8	2722.6	2458.3	2198.3	1931.0	1676.9	1444.4	1233.0	1063.1	896.8	708.9
-47.5°	2738.0	2498.5	2259.6	2019.2	1782.8	1547.0	1340.2	1159.6	997.5	856.7	672.3
-50°	2496.5	2281.4	2066.8	1846.8	1626.4	1426.8	1237.3	1082.9	939.6	805.2	632.6
-52.5°	2264.3	2076.8	1876.5	1672.8	1483.3	1301.1	1149.2	1004.6	879.7	748.4	590.0
-55°	2042.4	1871.7	1685.1	1508.8	1339.4	1193.9	1057.9	936.3	818.0	688.5	545.1
-57.5°	1820.8	1662.3	1504.5	1348.1	1210.1	1087.8	974.9	866.2	751.0	627.1	501.9
-60°	1602.1	1467.3	1326.8	1203.1	1088.1	986.2	896.5	793.1	681.6	564.8	451.9
-62.5°	1394.4	1276.0	1170.3	1064.3	970.5	890.0	815.9	716.1	610.9	501.6	398.3
-65°	1196.8	1103.9	1014.7	931.6	856.3	790.0	728.4	637.9	535.5	435.9	344.3
-67.5°	1004.9	935.4	865.1	797.8	742.4	689.4	636.8	550.5	456.6	368.0	292.5
-70°	831.1	772.2	719.7	674.8	630.9	585.8	531.4	457.2	375.2	305.1	239.4
-72.5°	659.9	620.7	585.6	552.6	516.1	473.2	423.6	363.4	300.4	240.8	185.0
-75°	490.9	474.6	457.2	433.7	400.1	361.5	322.7	276.0	224.1	175.2	139.6
-77.5°	356.1	345.9	333.5	319.4	293.2	262.5	227.1	187.0	153.2	125.8	97.4
-80°	235.5	233.0	227.5	216.7	192.0	164.2	143.2	121.4	100.1	77.9	54.8
-82.5°	130.5	131.8	131.7	127.8	112.8	96.9	80.4	63.2	46.8	29.7	23.8
-85°	62.4	61.0	57.6	52.3	41.1	29.6	25.8	22.3	20.2	18.0	15.9
-87.5°	19.0	19.1	19.1	18.9	16.8	14.8	12.9	11.2	10.1	9.0	7.9
-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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CATALOG NUMBER: GFLD-SA5C-750-U-VWR-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°	6.8	5.7	4.6	3.4	2.3	1.0	0.0
85°	13.6	11.4	9.2	6.9	4.6	2.0	0.0
82.5°	20.4	17.1	13.7	10.3	6.9	3.0	0.0
80°	30.8	22.7	18.2	13.7	9.1	4.0	0.0
77.5°	67.1	35.7	22.7	17.1	11.3	5.0	0.0
75°	102.5	61.7	29.6	20.4	13.5	5.9	0.0
72.5°	136.8	87.1	47.3	23.8	15.7	6.9	0.0
70°	171.1	111.5	64.3	28.5	17.8	7.8	0.0
67.5°	212.3	134.9	80.7	39.0	19.8	8.7	0.0
65°	251.6	161.1	96.4	49.1	21.8	9.6	0.0
62.5°	289.0	189.8	111.2	58.8	23.7	10.5	0.0
60°	324.2	216.9	125.1	67.9	25.5	11.3	0.0
57.5°	361.3	242.4	143.7	76.6	30.6	12.1	0.0
55°	396.4	266.1	161.4	84.6	35.7	12.9	0.0
52.5°	428.9	288.6	177.8	92.0	40.5	13.6	0.0
50°	458.7	312.5	193.0	98.8	45.1	14.3	0.0
47.5°	486.7	334.3	206.8	105.8	49.5	15.0	0.0
45°	517.7	354.0	219.2	115.0	53.7	15.6	0.0
42.5°	546.2	371.5	230.2	123.3	57.7	16.2	0.0
40°	572.1	386.8	241.3	131.8	61.4	16.8	0.0
37.5°	595.2	399.8	252.2	140.2	64.9	17.3	0.0
35°	615.6	414.9	261.7	148.0	68.2	17.8	0.0
32.5°	634.5	430.0	269.5	155.2	71.1	18.2	0.0
30°	654.1	443.0	275.8	161.8	73.9	18.6	0.0
27.5°	671.8	453.6	285.3	167.8	76.3	18.9	0.0
25°	687.3	462.1	294.1	173.2	78.6	19.2	0.0
22.5°	700.6	470.6	301.9	177.9	80.5	19.5	0.0
20°	711.5	482.3	308.6	182.0	82.2	19.7	0.0
17.5°	725.3	491.9	314.3	185.4	83.6	19.8	0.0
15°	739.5	499.3	318.8	188.2	84.7	20.0	0.0
12.5°	751.1	504.7	322.3	190.4	85.6	20.0	0.0
10°	760.0	508.0	324.7	191.9	86.1	20.1	0.0
7.5°	766.0	509.4	326.0	192.7	86.5	20.1	0.0
5°	769.1	508.8	326.3	193.0	86.5	20.0	0.0
2.5°	769.2	506.3	325.5	192.6	86.4	19.9	0.0
0°	766.3	502.1	323.7	191.6	85.9	19.8	0.0
-2.5°	769.2	506.3	325.5	192.6	86.4	19.9	0.0
-5°	769.1	508.8	326.3	193.0	86.5	20.0	0.0
-7.5°	766.0	509.4	326.0	192.7	86.5	20.1	0.0
-10°	760.0	508.0	324.7	191.9	86.1	20.1	0.0
-12.5°	751.1	504.7	322.3	190.4	85.6	20.0	0.0
-15°	739.5	499.3	318.8	188.2	84.7	20.0	0.0
-17.5°	725.3	491.9	314.3	185.4	83.6	19.8	0.0
-20°	711.5	482.3	308.6	182.0	82.2	19.7	0.0

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CATALOG NUMBER: GFLD-SA5C-750-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	700.6	470.6	301.9	177.9	80.5	19.5	0.0
-25°	687.3	462.1	294.1	173.2	78.6	19.2	0.0
-27.5°	671.8	453.6	285.3	167.8	76.3	18.9	0.0
-30°	654.1	443.0	275.8	161.8	73.9	18.6	0.0
-32.5°	634.5	430.0	269.5	155.2	71.1	18.2	0.0
-35°	615.6	414.9	261.7	148.0	68.2	17.8	0.0
-37.5°	595.2	399.8	252.2	140.2	64.9	17.3	0.0
-40°	572.1	386.8	241.3	131.8	61.4	16.8	0.0
-42.5°	546.2	371.5	230.2	123.3	57.7	16.2	0.0
-45°	517.7	354.0	219.2	115.0	53.7	15.6	0.0
-47.5°	486.7	334.3	206.8	105.8	49.5	15.0	0.0
-50°	458.7	312.5	193.0	98.8	45.1	14.3	0.0
-52.5°	428.9	288.6	177.8	92.0	40.5	13.6	0.0
-55°	396.4	266.1	161.4	84.6	35.7	12.9	0.0
-57.5°	361.3	242.4	143.7	76.6	30.6	12.1	0.0
-60°	324.2	216.9	125.1	67.9	25.5	11.3	0.0
-62.5°	289.0	189.8	111.2	58.8	23.7	10.5	0.0
-65°	251.6	161.1	96.4	49.1	21.8	9.6	0.0
-67.5°	212.3	134.9	80.7	39.0	19.8	8.7	0.0
-70°	171.1	111.5	64.3	28.5	17.8	7.8	0.0
-72.5°	136.8	87.1	47.3	23.8	15.7	6.9	0.0
-75°	102.5	61.7	29.6	20.4	13.5	5.9	0.0
-77.5°	67.1	35.7	22.7	17.1	11.3	5.0	0.0
-80°	30.8	22.7	18.2	13.7	9.1	4.0	0.0
-82.5°	20.4	17.1	13.7	10.3	6.9	3.0	0.0
-85°	13.6	11.4	9.2	6.9	4.6	2.0	0.0
-87.5°	6.8	5.7	4.6	3.4	2.3	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)