

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: P627471 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-740-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627471 (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-SA4D-740-U-VWR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N103
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

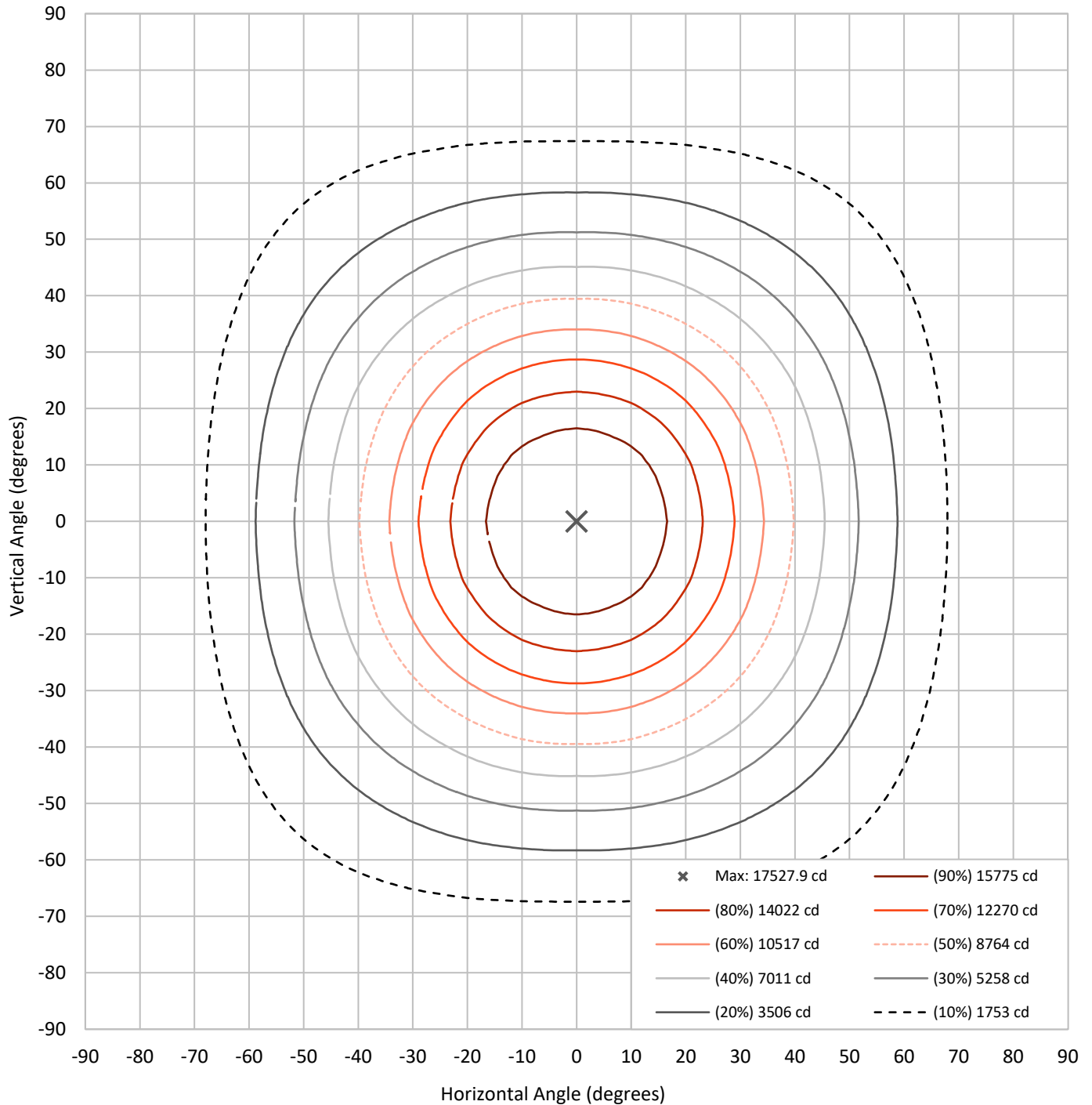
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	31680.1 lumens	Max Intensity:	17527.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	143.1 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	18580.6 lumens	Field Lumens:	30201.6 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	221.4		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





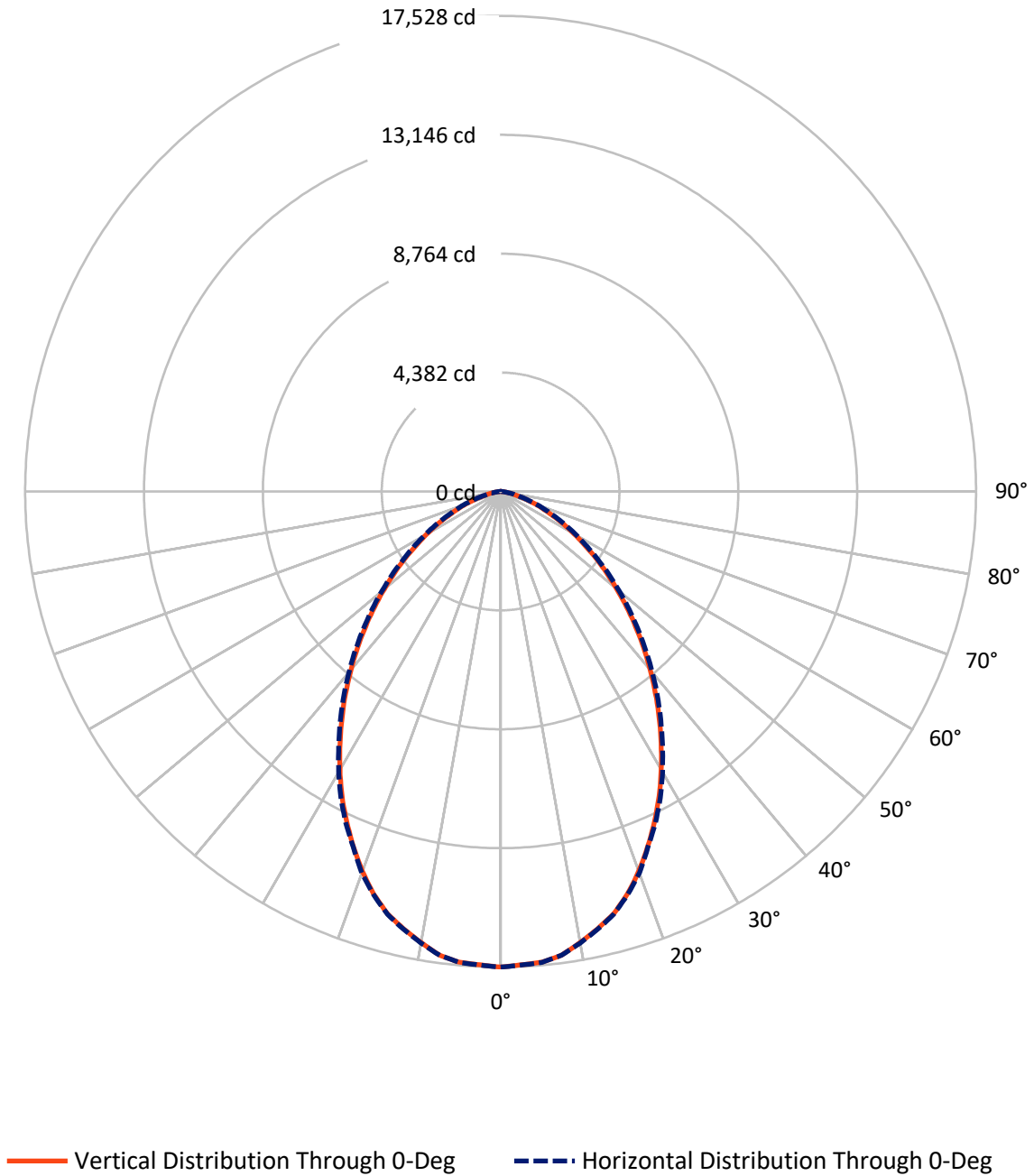
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Lumen Table

90																			
80	1.1	13.0	35.3	60.0	56.6	60.0	35.3	13.0	1.1										
70																			
60	5.9	8.1	16.4	27.9	40.9	52.8	61.8	66.1	66.1	61.8	52.8	40.9	27.9	16.4	8.1				5.9
50																			
40	10.3	12.2	26.6	47.5	72.0	97.8	119.0	130.1	130.1	119.0	97.8	72.0	47.5	26.6	12.2				10.3
30																			
20	13.3	16.4	38.5	71.1	112.7	156.2	192.7	212.6	212.6	192.7	156.2	112.7	71.1	38.5	16.4				13.3
10																			
0	14.5	20.7	51.0	97.9	157.8	221.2	275.3	306.1	306.1	275.3	221.2	157.8	97.9	51.0	20.7				14.5
-10																			
-20	13.3	24.8	62.8	123.1	200.8	285.1	358.6	400.8	400.8	358.6	285.1	200.8	123.1	62.8	24.8				13.3
-30																			
-40	10.3	28.0	71.9	142.0	234.5	336.9	427.3	478.7	478.7	427.3	336.9	234.5	142.0	71.9	28.0				10.3
-50																			
-60	5.9	29.7	76.9	152.7	253.2	365.7	464.5	518.5	518.5	464.5	365.7	253.2	152.7	76.9	29.7				5.9
-70																			
-80	1.1	29.7	76.9	152.7	253.2	365.7	464.5	518.5	518.5	464.5	365.7	253.2	152.7	76.9	29.7				1.1
-90																			

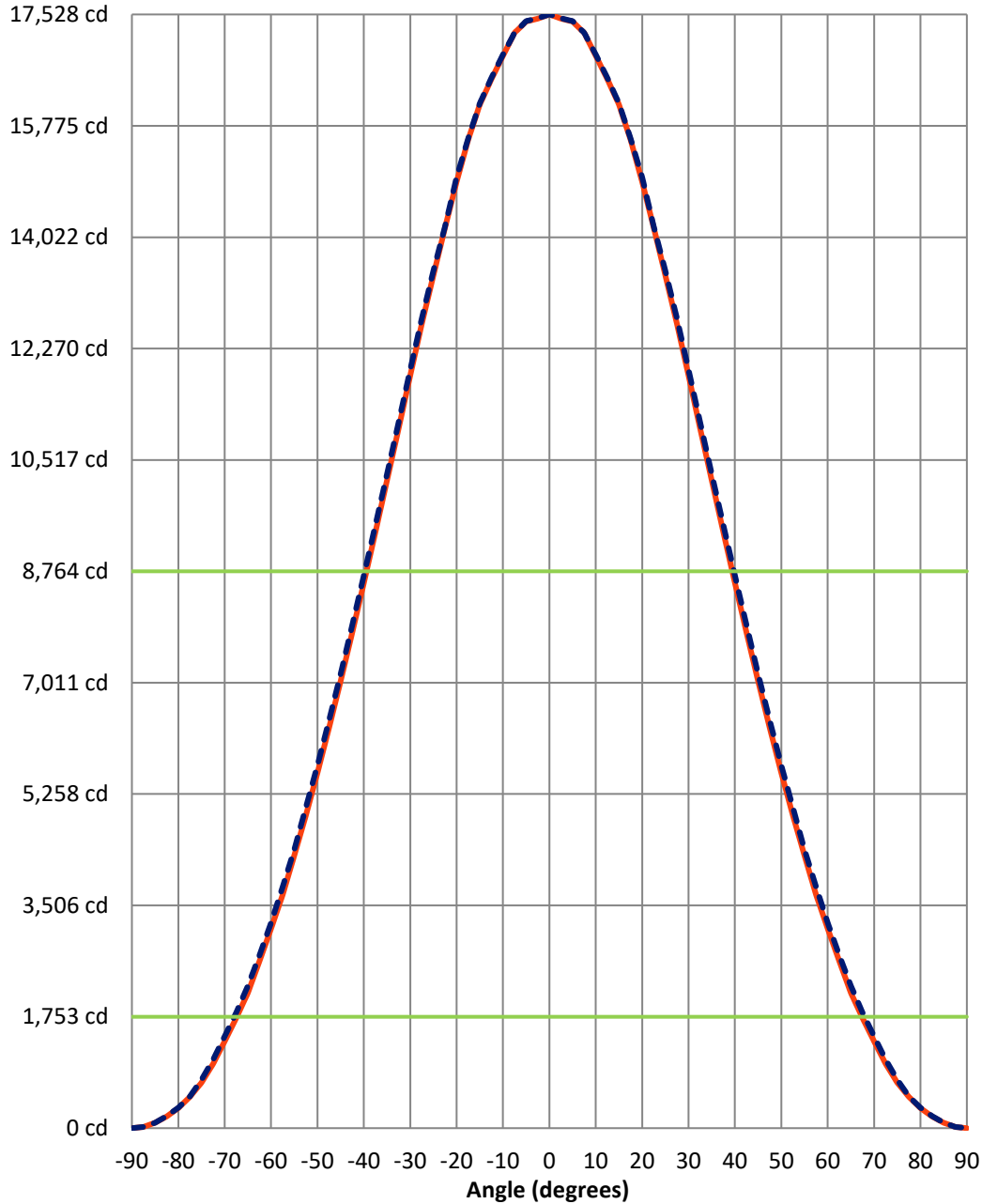
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 18580.6
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 30201.6
 Efficiency: 95.3%

Spill:
 Lumens: 1478.5
 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	11.1
85°	0.0	2.0	4.6	6.9	9.1	11.4	13.6	15.8	18.0	20.1	22.2
82.5°	0.0	3.0	6.8	10.3	13.7	17.0	20.4	23.7	29.6	46.6	62.9
80°	0.0	4.0	9.1	13.7	18.2	22.7	30.6	54.5	77.5	99.5	120.7
77.5°	0.0	5.0	11.3	17.0	22.7	35.5	66.7	96.8	125.1	152.2	185.9
75°	0.0	5.9	13.5	20.4	29.5	61.4	101.9	138.8	174.1	222.8	274.4
72.5°	0.0	6.9	15.6	23.7	47.0	86.6	136.0	183.9	239.4	298.6	361.3
70°	0.0	7.8	17.7	28.3	64.0	110.9	170.1	238.1	303.4	373.1	454.6
67.5°	0.0	8.7	19.7	38.8	80.3	134.1	211.1	290.9	366.0	454.0	547.5
65°	0.0	9.6	21.7	48.9	95.8	160.1	250.2	342.4	433.5	532.5	634.4
62.5°	0.0	10.4	23.6	58.5	110.5	188.7	287.4	396.1	498.8	607.6	712.1
60°	0.0	11.3	25.4	67.6	124.4	215.7	322.4	449.5	561.7	677.8	788.7
57.5°	0.0	12.1	30.5	76.1	142.8	241.0	359.3	499.1	623.7	746.8	861.4
55°	0.0	12.8	35.5	84.1	160.4	264.6	394.3	542.1	684.6	813.5	931.1
52.5°	0.0	13.6	40.3	91.4	176.8	287.0	426.6	586.7	744.2	874.8	999.1
50°	0.0	14.3	44.9	98.2	191.9	310.8	456.2	629.1	800.7	934.4	1076.9
47.5°	0.0	15.0	49.3	105.2	205.6	332.5	484.0	668.5	852.0	992.0	1153.2
45°	0.0	15.6	53.4	114.3	218.0	352.1	514.9	704.9	891.8	1057.2	1226.2
42.5°	0.0	16.2	57.4	122.6	228.9	369.5	543.2	738.3	929.9	1119.5	1312.1
40°	0.0	16.7	61.1	131.0	239.9	384.7	568.9	770.0	969.5	1178.0	1395.9
37.5°	0.0	17.2	64.5	139.4	250.8	397.7	591.9	800.0	1014.0	1233.4	1474.4
35°	0.0	17.7	67.8	147.1	260.2	412.7	612.2	828.2	1057.4	1297.3	1553.5
32.5°	0.0	18.1	70.7	154.3	268.0	427.7	631.0	854.7	1099.5	1358.7	1637.4
30°	0.0	18.5	73.4	160.9	274.3	440.5	650.5	881.1	1140.1	1417.3	1715.7
27.5°	0.0	18.8	75.9	166.8	283.7	451.2	668.0	911.9	1181.8	1473.0	1788.4
25°	0.0	19.1	78.1	172.2	292.5	459.6	683.4	940.4	1225.4	1529.7	1855.6
22.5°	0.0	19.4	80.0	176.9	300.3	468.1	696.7	966.6	1265.5	1583.3	1927.2
20°	0.0	19.6	81.7	180.9	306.9	479.7	707.6	990.1	1301.9	1631.2	1991.4
17.5°	0.0	19.7	83.1	184.3	312.6	489.2	721.2	1010.8	1334.4	1673.3	2048.0
15°	0.0	19.9	84.2	187.1	317.1	496.6	735.4	1030.6	1362.6	1709.4	2096.8
12.5°	0.0	19.9	85.1	189.3	320.5	501.9	746.9	1049.1	1388.1	1739.3	2137.7
10°	0.0	20.0	85.6	190.8	322.9	505.2	755.7	1063.4	1410.1	1767.4	2172.1
7.5°	0.0	20.0	86.0	191.6	324.2	506.6	761.7	1073.4	1427.0	1790.1	2201.9
5°	0.0	19.9	86.0	191.9	324.5	506.0	764.8	1079.1	1438.6	1806.5	2223.2
2.5°	0.0	19.8	85.8	191.5	323.7	503.5	765.0	1080.4	1444.8	1816.4	2236.0
0°	0.0	19.7	85.4	190.5	321.9	499.3	762.1	1077.4	1445.3	1819.8	2240.3
-2.5°	0.0	19.8	85.8	191.5	323.7	503.5	765.0	1080.4	1444.8	1816.4	2236.0
-5°	0.0	19.9	86.0	191.9	324.5	506.0	764.8	1079.1	1438.6	1806.5	2223.2
-7.5°	0.0	20.0	86.0	191.6	324.2	506.6	761.7	1073.4	1427.0	1790.1	2201.9
-10°	0.0	20.0	85.6	190.8	322.9	505.2	755.7	1063.4	1410.1	1767.4	2172.1
-12.5°	0.0	19.9	85.1	189.3	320.5	501.9	746.9	1049.1	1388.1	1739.3	2137.7
-15°	0.0	19.9	84.2	187.1	317.1	496.6	735.4	1030.6	1362.6	1709.4	2096.8
-17.5°	0.0	19.7	83.1	184.3	312.6	489.2	721.2	1010.8	1334.4	1673.3	2048.0
-20°	0.0	19.6	81.7	180.9	306.9	479.7	707.6	990.1	1301.9	1631.2	1991.4

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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	19.4	80.0	176.9	300.3	468.1	696.7	966.6	1265.5	1583.3	1927.2
-25°	0.0	19.1	78.1	172.2	292.5	459.6	683.4	940.4	1225.4	1529.7	1855.6
-27.5°	0.0	18.8	75.9	166.8	283.7	451.2	668.0	911.9	1181.8	1473.0	1788.4
-30°	0.0	18.5	73.4	160.9	274.3	440.5	650.5	881.1	1140.1	1417.3	1715.7
-32.5°	0.0	18.1	70.7	154.3	268.0	427.7	631.0	854.7	1099.5	1358.7	1637.4
-35°	0.0	17.7	67.8	147.1	260.2	412.7	612.2	828.2	1057.4	1297.3	1553.5
-37.5°	0.0	17.2	64.5	139.4	250.8	397.7	591.9	800.0	1014.0	1233.4	1474.4
-40°	0.0	16.7	61.1	131.0	239.9	384.7	568.9	770.0	969.5	1178.0	1395.9
-42.5°	0.0	16.2	57.4	122.6	228.9	369.5	543.2	738.3	929.9	1119.5	1312.1
-45°	0.0	15.6	53.4	114.3	218.0	352.1	514.9	704.9	891.8	1057.2	1226.2
-47.5°	0.0	15.0	49.3	105.2	205.6	332.5	484.0	668.5	852.0	992.0	1153.2
-50°	0.0	14.3	44.9	98.2	191.9	310.8	456.2	629.1	800.7	934.4	1076.9
-52.5°	0.0	13.6	40.3	91.4	176.8	287.0	426.6	586.7	744.2	874.8	999.1
-55°	0.0	12.8	35.5	84.1	160.4	264.6	394.3	542.1	684.6	813.5	931.1
-57.5°	0.0	12.1	30.5	76.1	142.8	241.0	359.3	499.1	623.7	746.8	861.4
-60°	0.0	11.3	25.4	67.6	124.4	215.7	322.4	449.5	561.7	677.8	788.7
-62.5°	0.0	10.4	23.6	58.5	110.5	188.7	287.4	396.1	498.8	607.6	712.1
-65°	0.0	9.6	21.7	48.9	95.8	160.1	250.2	342.4	433.5	532.5	634.4
-67.5°	0.0	8.7	19.7	38.8	80.3	134.1	211.1	290.9	366.0	454.0	547.5
-70°	0.0	7.8	17.7	28.3	64.0	110.9	170.1	238.1	303.4	373.1	454.6
-72.5°	0.0	6.9	15.6	23.7	47.0	86.6	136.0	183.9	239.4	298.6	361.3
-75°	0.0	5.9	13.5	20.4	29.5	61.4	101.9	138.8	174.1	222.8	274.4
-77.5°	0.0	5.0	11.3	17.0	22.7	35.5	66.7	96.8	125.1	152.2	185.9
-80°	0.0	4.0	9.1	13.7	18.2	22.7	30.6	54.5	77.5	99.5	120.7
-82.5°	0.0	3.0	6.8	10.3	13.7	17.0	20.4	23.7	29.6	46.6	62.9
-85°	0.0	2.0	4.6	6.9	9.1	11.4	13.6	15.8	18.0	20.1	22.2
-87.5°	0.0	1.0	2.3	3.4	4.6	5.7	6.8	7.9	9.0	10.1	11.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.9	14.8	16.7	18.8	19.0	19.0	18.9	18.6	19.4	20.1	20.9
85°	25.7	29.5	40.9	52.0	57.3	60.6	62.1	61.9	72.0	83.6	96.3
82.5°	79.9	96.4	112.1	127.0	130.9	131.0	129.7	130.2	153.8	180.9	208.7
80°	142.3	163.2	190.9	215.5	226.2	231.7	234.2	233.9	263.7	303.6	345.5
77.5°	225.8	260.9	291.5	317.6	331.6	344.0	354.1	361.9	400.3	450.7	500.6
75°	320.8	359.5	397.8	431.3	454.7	472.0	488.1	514.1	564.5	623.2	674.3
72.5°	421.2	470.5	513.3	549.6	582.4	617.2	656.2	698.9	752.0	810.7	864.2
70°	528.4	582.6	627.4	671.1	715.8	768.0	826.5	884.0	943.3	1008.0	1070.3
67.5°	633.3	685.5	738.3	793.4	860.3	930.2	999.3	1078.7	1159.9	1231.8	1296.1
65°	724.3	785.6	851.6	926.4	1009.1	1097.8	1190.1	1285.3	1388.3	1474.6	1553.3
62.5°	811.3	885.0	965.2	1058.4	1163.8	1268.8	1386.6	1505.8	1621.7	1723.4	1817.5
60°	891.5	980.7	1082.1	1196.4	1319.4	1459.1	1593.1	1728.7	1855.9	1971.1	2090.0
57.5°	969.5	1081.8	1203.3	1340.6	1496.2	1653.1	1810.7	1956.5	2100.4	2240.8	2375.2
55°	1052.0	1187.3	1332.0	1500.4	1675.7	1861.3	2031.1	2193.8	2352.4	2522.8	2684.7
52.5°	1142.8	1293.9	1475.0	1663.5	1866.1	2065.3	2251.7	2437.1	2628.8	2821.6	3032.4
50°	1230.4	1418.9	1617.4	1836.5	2055.3	2268.7	2482.6	2696.1	2925.8	3162.2	3401.1
47.5°	1332.8	1538.5	1772.9	2007.9	2247.1	2484.6	2722.8	2980.8	3241.8	3516.0	3780.2
45°	1436.4	1667.6	1920.2	2186.0	2444.6	2707.5	2986.2	3271.4	3577.3	3878.9	4196.8
42.5°	1534.6	1796.0	2074.4	2361.5	2649.1	2942.9	3249.3	3582.4	3916.8	4264.6	4613.9
40°	1643.4	1918.1	2225.0	2541.3	2853.4	3179.0	3529.2	3890.0	4268.3	4650.8	5030.1
37.5°	1748.0	2049.9	2372.6	2713.0	3063.2	3421.1	3801.3	4210.9	4621.1	5032.7	5451.0
35°	1845.9	2174.9	2524.5	2885.8	3257.3	3664.4	4089.4	4526.5	4971.1	5416.2	5866.2
32.5°	1946.7	2292.7	2669.6	3056.3	3465.6	3902.2	4367.6	4841.4	5314.9	5790.2	6282.7
30°	2047.6	2416.4	2810.1	3217.5	3665.2	4140.8	4641.1	5143.0	5643.8	6166.9	6691.8
27.5°	2143.0	2533.7	2948.2	3384.1	3856.5	4361.8	4893.3	5430.8	5970.8	6526.9	7086.8
25°	2230.9	2644.8	3076.3	3544.4	4045.0	4574.5	5128.2	5689.1	6281.3	6876.4	7461.0
22.5°	2316.6	2746.8	3195.0	3692.1	4216.0	4772.1	5348.5	5940.9	6559.7	7198.7	7803.8
20°	2399.0	2844.0	3310.5	3825.9	4369.1	4949.9	5548.8	6169.1	6818.3	7474.4	8125.2
17.5°	2472.2	2930.3	3418.1	3951.1	4515.2	5112.5	5729.2	6369.9	7048.0	7728.2	8417.8
15°	2536.0	3005.5	3511.2	4060.3	4644.3	5260.2	5896.7	6555.6	7251.2	7959.5	8676.3
12.5°	2589.8	3069.1	3589.6	4153.1	4753.9	5386.9	6040.7	6722.7	7437.1	8165.1	8902.8
10°	2633.6	3121.0	3653.1	4229.0	4843.4	5491.7	6159.2	6860.5	7596.2	8340.1	9093.3
7.5°	2670.9	3164.3	3703.4	4287.5	4912.4	5573.7	6251.5	6967.9	7723.0	8476.6	9246.3
5°	2698.0	3199.3	3749.7	4336.6	4972.3	5637.8	6321.4	7044.5	7815.8	8573.8	9357.3
2.5°	2714.4	3222.1	3781.1	4368.4	5019.5	5685.8	6383.5	7112.1	7883.7	8650.9	9440.7
0°	2719.8	3232.3	3797.3	4382.0	5045.5	5709.0	6418.6	7147.8	7916.5	8698.2	9493.2
-2.5°	2714.4	3222.1	3781.1	4368.4	5019.5	5685.8	6383.5	7112.1	7883.7	8650.9	9440.7
-5°	2698.0	3199.3	3749.7	4336.6	4972.3	5637.8	6321.4	7044.5	7815.8	8573.8	9357.3
-7.5°	2670.9	3164.3	3703.4	4287.5	4912.4	5573.7	6251.5	6967.9	7723.0	8476.6	9246.3
-10°	2633.6	3121.0	3653.1	4229.0	4843.4	5491.7	6159.2	6860.5	7596.2	8340.1	9093.3
-12.5°	2589.8	3069.1	3589.6	4153.1	4753.9	5386.9	6040.7	6722.7	7437.1	8165.1	8902.8
-15°	2536.0	3005.5	3511.2	4060.3	4644.3	5260.2	5896.7	6555.6	7251.2	7959.5	8676.3
-17.5°	2472.2	2930.3	3418.1	3951.1	4515.2	5112.5	5729.2	6369.9	7048.0	7728.2	8417.8
-20°	2399.0	2844.0	3310.5	3825.9	4369.1	4949.9	5548.8	6169.1	6818.3	7474.4	8125.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627471 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2316.6	2746.8	3195.0	3692.1	4216.0	4772.1	5348.5	5940.9	6559.7	7198.7	7803.8
-25°	2230.9	2644.8	3076.3	3544.4	4045.0	4574.5	5128.2	5689.1	6281.3	6876.4	7461.0
-27.5°	2143.0	2533.7	2948.2	3384.1	3856.5	4361.8	4893.3	5430.8	5970.8	6526.9	7086.8
-30°	2047.6	2416.4	2810.1	3217.5	3665.2	4140.8	4641.1	5143.0	5643.8	6166.9	6691.8
-32.5°	1946.7	2292.7	2669.6	3056.3	3465.6	3902.2	4367.6	4841.4	5314.9	5790.2	6282.7
-35°	1845.9	2174.9	2524.5	2885.8	3257.3	3664.4	4089.4	4526.5	4971.1	5416.2	5866.2
-37.5°	1748.0	2049.9	2372.6	2713.0	3063.2	3421.1	3801.3	4210.9	4621.1	5032.7	5451.0
-40°	1643.4	1918.1	2225.0	2541.3	2853.4	3179.0	3529.2	3890.0	4268.3	4650.8	5030.1
-42.5°	1534.6	1796.0	2074.4	2361.5	2649.1	2942.9	3249.3	3582.4	3916.8	4264.6	4613.9
-45°	1436.4	1667.6	1920.2	2186.0	2444.6	2707.5	2986.2	3271.4	3577.3	3878.9	4196.8
-47.5°	1332.8	1538.5	1772.9	2007.9	2247.1	2484.6	2722.8	2980.8	3241.8	3516.0	3780.2
-50°	1230.4	1418.9	1617.4	1836.5	2055.3	2268.7	2482.6	2696.1	2925.8	3162.2	3401.1
-52.5°	1142.8	1293.9	1475.0	1663.5	1866.1	2065.3	2251.7	2437.1	2628.8	2821.6	3032.4
-55°	1052.0	1187.3	1332.0	1500.4	1675.7	1861.3	2031.1	2193.8	2352.4	2522.8	2684.7
-57.5°	969.5	1081.8	1203.3	1340.6	1496.2	1653.1	1810.7	1956.5	2100.4	2240.8	2375.2
-60°	891.5	980.7	1082.1	1196.4	1319.4	1459.1	1593.1	1728.7	1855.9	1971.1	2090.0
-62.5°	811.3	885.0	965.2	1058.4	1163.8	1268.8	1386.6	1505.8	1621.7	1723.4	1817.5
-65°	724.3	785.6	851.6	926.4	1009.1	1097.8	1190.1	1285.3	1388.3	1474.6	1553.3
-67.5°	633.3	685.5	738.3	793.4	860.3	930.2	999.3	1078.7	1159.9	1231.8	1296.1
-70°	528.4	582.6	627.4	671.1	715.8	768.0	826.5	884.0	943.3	1008.0	1070.3
-72.5°	421.2	470.5	513.3	549.6	582.4	617.2	656.2	698.9	752.0	810.7	864.2
-75°	320.8	359.5	397.8	431.3	454.7	472.0	488.1	514.1	564.5	623.2	674.3
-77.5°	225.8	260.9	291.5	317.6	331.6	344.0	354.1	361.9	400.3	450.7	500.6
-80°	142.3	163.2	190.9	215.5	226.2	231.7	234.2	233.9	263.7	303.6	345.5
-82.5°	79.9	96.4	112.1	127.0	130.9	131.0	129.7	130.2	153.8	180.9	208.7
-85°	25.7	29.5	40.9	52.0	57.3	60.6	62.1	61.9	72.0	83.6	96.3
-87.5°	12.9	14.8	16.7	18.8	19.0	19.0	18.9	18.6	19.4	20.1	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: P627471 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-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°	21.5	22.2	22.8	23.3	23.8	24.3	24.7	25.1	25.4	24.1	22.7
85°	109.8	117.5	124.8	131.7	138.3	144.5	150.4	155.9	160.9	147.0	131.5
82.5°	237.0	256.0	274.1	292.1	309.9	314.4	315.8	315.2	312.7	288.2	261.1
80°	386.9	419.1	449.4	479.5	509.2	512.6	509.2	503.1	494.4	462.3	425.9
77.5°	550.4	591.0	626.5	659.0	688.5	694.1	693.3	691.9	689.4	656.7	616.9
75°	718.1	757.8	796.0	828.5	855.7	868.1	874.3	878.6	881.0	857.4	826.6
72.5°	912.5	953.8	987.6	1019.1	1045.8	1065.2	1079.1	1089.6	1096.7	1089.6	1076.9
70°	1123.5	1167.7	1205.0	1240.7	1276.9	1306.0	1327.9	1343.8	1353.9	1360.5	1365.2
67.5°	1361.0	1420.4	1472.3	1516.6	1560.4	1601.5	1635.2	1662.8	1684.1	1702.2	1716.1
65°	1628.6	1704.6	1772.0	1833.8	1890.5	1950.1	1999.0	2040.0	2073.0	2100.3	2122.3
62.5°	1910.1	2003.2	2089.6	2173.4	2255.6	2336.6	2398.7	2455.3	2505.6	2548.9	2583.3
60°	2202.4	2308.2	2424.2	2534.9	2636.9	2730.0	2822.4	2902.5	2971.1	3027.9	3073.8
57.5°	2516.7	2653.7	2789.3	2926.8	3056.8	3178.4	3292.2	3392.7	3477.5	3547.1	3605.6
55°	2856.3	3027.6	3184.8	3358.3	3525.9	3678.6	3813.0	3931.0	4033.2	4118.7	4191.3
52.5°	3229.5	3437.7	3642.0	3839.4	4029.7	4206.7	4367.6	4505.2	4627.5	4732.3	4816.0
50°	3638.0	3876.1	4112.9	4332.5	4551.2	4755.2	4939.6	5099.2	5241.6	5364.8	5461.8
47.5°	4065.2	4336.2	4600.7	4852.0	5094.0	5320.8	5520.5	5702.4	5879.9	6024.7	6139.1
45°	4508.7	4812.8	5104.6	5392.0	5658.5	5912.6	6159.0	6385.5	6567.7	6727.1	6861.0
42.5°	4957.7	5296.9	5623.6	5937.1	6230.2	6524.1	6801.2	7048.8	7256.6	7437.9	7590.1
40°	5412.5	5783.9	6143.8	6485.6	6820.6	7141.1	7440.9	7702.0	7936.3	8151.7	8331.1
37.5°	5865.0	6273.6	6672.4	7055.3	7424.2	7771.4	8095.2	8390.3	8654.7	8900.0	9099.2
35°	6319.5	6767.8	7204.3	7625.8	8028.7	8411.8	8766.4	9102.2	9413.7	9662.1	9865.9
32.5°	6772.3	7254.2	7729.3	8193.3	8634.3	9047.4	9431.5	9802.6	10123.0	10396.1	10630.4
30°	7210.5	7732.5	8249.9	8752.9	9229.3	9676.9	10102.3	10494.6	10839.2	11137.9	11400.7
27.5°	7640.4	8201.2	8756.3	9293.7	9808.8	10295.2	10759.4	11184.9	11561.0	11885.5	12162.7
25°	8046.7	8649.5	9241.2	9811.0	10361.2	10897.7	11399.0	11863.3	12265.0	12621.4	12906.1
22.5°	8434.9	9077.8	9699.5	10298.9	10887.5	11465.7	12014.5	12499.3	12925.1	13297.6	13612.7
20°	8796.6	9485.5	10121.6	10755.5	11375.4	11992.9	12582.1	13093.6	13544.1	13940.6	14288.0
17.5°	9134.7	9841.3	10511.0	11186.0	11839.3	12487.1	13085.7	13634.0	14120.0	14541.1	14904.9
15°	9420.9	10134.5	10866.0	11586.5	12275.6	12931.5	13529.5	14102.2	14641.8	15097.3	15466.2
12.5°	9652.6	10394.8	11157.8	11922.8	12651.5	13306.5	13932.7	14513.6	15080.4	15592.0	15931.1
10°	9850.1	10614.4	11402.1	12182.2	12920.6	13613.8	14294.5	14908.7	15465.6	15923.8	16302.5
7.5°	10020.9	10808.1	11608.2	12389.6	13125.5	13841.7	14542.4	15194.8	15757.0	16188.6	16526.5
5°	10146.9	10952.8	11768.3	12556.9	13303.1	14021.6	14725.5	15369.7	15918.5	16357.7	16726.1
2.5°	10237.0	11050.4	11871.8	12661.5	13424.3	14144.5	14866.1	15517.5	16049.0	16451.3	16804.0
0°	10294.7	11109.3	11937.1	12745.2	13494.1	14190.5	14965.7	15576.7	16128.6	16529.3	16897.2
-2.5°	10237.0	11050.4	11871.8	12661.5	13424.3	14144.5	14866.1	15517.5	16049.0	16451.3	16804.0
-5°	10146.9	10952.8	11768.3	12556.9	13303.1	14021.6	14725.5	15369.7	15918.5	16357.7	16726.1
-7.5°	10020.9	10808.1	11608.2	12389.6	13125.5	13841.7	14542.4	15194.8	15757.0	16188.6	16526.5
-10°	9850.1	10614.4	11402.1	12182.2	12920.6	13613.8	14294.5	14908.7	15465.6	15923.8	16302.5
-12.5°	9652.6	10394.8	11157.8	11922.8	12651.5	13306.5	13932.7	14513.6	15080.4	15592.0	15931.1
-15°	9420.9	10134.5	10866.0	11586.5	12275.6	12931.5	13529.5	14102.2	14641.8	15097.3	15466.2
-17.5°	9134.7	9841.3	10511.0	11186.0	11839.3	12487.1	13085.7	13634.0	14120.0	14541.1	14904.9
-20°	8796.6	9485.5	10121.6	10755.5	11375.4	11992.9	12582.1	13093.6	13544.1	13940.6	14288.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627471 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8434.9	9077.8	9699.5	10298.9	10887.5	11465.7	12014.5	12499.3	12925.1	13297.6	13612.7
-25°	8046.7	8649.5	9241.2	9811.0	10361.2	10897.7	11399.0	11863.3	12265.0	12621.4	12906.1
-27.5°	7640.4	8201.2	8756.3	9293.7	9808.8	10295.2	10759.4	11184.9	11561.0	11885.5	12162.7
-30°	7210.5	7732.5	8249.9	8752.9	9229.3	9676.9	10102.3	10494.6	10839.2	11137.9	11400.7
-32.5°	6772.3	7254.2	7729.3	8193.3	8634.3	9047.4	9431.5	9802.6	10123.0	10396.1	10630.4
-35°	6319.5	6767.8	7204.3	7625.8	8028.7	8411.8	8766.4	9102.2	9413.7	9662.1	9865.9
-37.5°	5865.0	6273.6	6672.4	7055.3	7424.2	7771.4	8095.2	8390.3	8654.7	8900.0	9099.2
-40°	5412.5	5783.9	6143.8	6485.6	6820.6	7141.1	7440.9	7702.0	7936.3	8151.7	8331.1
-42.5°	4957.7	5296.9	5623.6	5937.1	6230.2	6524.1	6801.2	7048.8	7256.6	7437.9	7590.1
-45°	4508.7	4812.8	5104.6	5392.0	5658.5	5912.6	6159.0	6385.5	6567.7	6727.1	6861.0
-47.5°	4065.2	4336.2	4600.7	4852.0	5094.0	5320.8	5520.5	5702.4	5879.9	6024.7	6139.1
-50°	3638.0	3876.1	4112.9	4332.5	4551.2	4755.2	4939.6	5099.2	5241.6	5364.8	5461.8
-52.5°	3229.5	3437.7	3642.0	3839.4	4029.7	4206.7	4367.6	4505.2	4627.5	4732.3	4816.0
-55°	2856.3	3027.6	3184.8	3358.3	3525.9	3678.6	3813.0	3931.0	4033.2	4118.7	4191.3
-57.5°	2516.7	2653.7	2789.3	2926.8	3056.8	3178.4	3292.2	3392.7	3477.5	3547.1	3605.6
-60°	2202.4	2308.2	2424.2	2534.9	2636.9	2730.0	2822.4	2902.5	2971.1	3027.9	3073.8
-62.5°	1910.1	2003.2	2089.6	2173.4	2255.6	2336.6	2398.7	2455.3	2505.6	2548.9	2583.3
-65°	1628.6	1704.6	1772.0	1833.8	1890.5	1950.1	1999.0	2040.0	2073.0	2100.3	2122.3
-67.5°	1361.0	1420.4	1472.3	1516.6	1560.4	1601.5	1635.2	1662.8	1684.1	1702.2	1716.1
-70°	1123.5	1167.7	1205.0	1240.7	1276.9	1306.0	1327.9	1343.8	1353.9	1360.5	1365.2
-72.5°	912.5	953.8	987.6	1019.1	1045.8	1065.2	1079.1	1089.6	1096.7	1089.6	1076.9
-75°	718.1	757.8	796.0	828.5	855.7	868.1	874.3	878.6	881.0	857.4	826.6
-77.5°	550.4	591.0	626.5	659.0	688.5	694.1	693.3	691.9	689.4	656.7	616.9
-80°	386.9	419.1	449.4	479.5	509.2	512.6	509.2	503.1	494.4	462.3	425.9
-82.5°	237.0	256.0	274.1	292.1	309.9	314.4	315.8	315.2	312.7	288.2	261.1
-85°	109.8	117.5	124.8	131.7	138.3	144.5	150.4	155.9	160.9	147.0	131.5
-87.5°	21.5	22.2	22.8	23.3	23.8	24.3	24.7	25.1	25.4	24.1	22.7
-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: P627471 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-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°	21.2	19.6	19.7	19.7	19.7	19.6	21.2	22.7	24.1	25.4	25.1
85°	115.1	98.0	91.8	85.4	91.8	98.0	115.1	131.5	147.0	160.9	155.9
82.5°	232.6	203.0	193.6	184.0	193.6	203.0	232.6	261.1	288.2	312.7	315.2
80°	387.4	347.3	331.5	315.3	331.5	347.3	387.4	425.9	462.3	494.4	503.1
77.5°	575.0	530.8	512.0	492.7	512.0	530.8	575.0	616.9	656.7	689.4	691.9
75°	794.0	759.5	738.6	716.1	738.6	759.5	794.0	826.6	857.4	881.0	878.6
72.5°	1062.5	1045.6	1030.3	1011.7	1030.3	1045.6	1062.5	1076.9	1089.6	1096.7	1089.6
70°	1366.7	1364.6	1367.3	1366.5	1367.3	1364.6	1366.7	1365.2	1360.5	1353.9	1343.8
67.5°	1723.3	1723.8	1731.1	1734.4	1731.1	1723.8	1723.3	1716.1	1702.2	1684.1	1662.8
65°	2135.8	2140.8	2139.0	2128.6	2139.0	2140.8	2135.8	2122.3	2100.3	2073.0	2040.0
62.5°	2607.7	2621.9	2629.7	2627.9	2629.7	2621.9	2607.7	2583.3	2548.9	2505.6	2455.3
60°	3108.0	3130.2	3141.4	3140.3	3141.4	3130.2	3108.0	3073.8	3027.9	2971.1	2902.5
57.5°	3649.2	3677.7	3684.3	3672.4	3684.3	3677.7	3649.2	3605.6	3547.1	3477.5	3392.7
55°	4246.1	4282.6	4296.7	4290.0	4296.7	4282.6	4246.1	4191.3	4118.7	4033.2	3931.0
52.5°	4877.3	4916.7	4930.7	4920.7	4930.7	4916.7	4877.3	4816.0	4732.3	4627.5	4505.2
50°	5533.0	5580.7	5599.9	5590.8	5599.9	5580.7	5533.0	5461.8	5364.8	5241.6	5099.2
47.5°	6228.8	6292.4	6317.1	6300.3	6317.1	6292.4	6228.8	6139.1	6024.7	5879.9	5702.4
45°	6961.1	7027.0	7052.6	7036.1	7052.6	7027.0	6961.1	6861.0	6727.1	6567.7	6385.5
42.5°	7706.5	7792.1	7828.3	7798.2	7828.3	7792.1	7706.5	7590.1	7437.9	7256.6	7048.8
40°	8465.0	8558.0	8600.8	8580.0	8600.8	8558.0	8465.0	8331.1	8151.7	7936.3	7702.0
37.5°	9243.0	9335.5	9380.9	9381.5	9380.9	9335.5	9243.0	9099.2	8900.0	8654.7	8390.3
35°	10023.9	10135.8	10199.2	10196.1	10199.2	10135.8	10023.9	9865.9	9662.1	9413.7	9102.2
32.5°	10815.6	10936.9	11001.7	11010.8	11001.7	10936.9	10815.6	10630.4	10396.1	10123.0	9802.6
30°	11606.1	11739.4	11814.4	11845.1	11814.4	11739.4	11606.1	11400.7	11137.9	10839.2	10494.6
27.5°	12372.7	12536.7	12649.9	12659.8	12649.9	12536.7	12372.7	12162.7	11885.5	11561.0	11184.9
25°	13115.1	13282.1	13398.2	13421.8	13398.2	13282.1	13115.1	12906.1	12621.4	12265.0	11863.3
22.5°	13846.8	14021.4	14128.6	14170.8	14128.6	14021.4	13846.8	13612.7	13297.6	12925.1	12499.3
20°	14545.3	14734.6	14848.2	14893.5	14848.2	14734.6	14545.3	14288.0	13940.6	13544.1	13093.6
17.5°	15177.3	15377.2	15517.5	15557.0	15517.5	15377.2	15177.3	14904.9	14541.1	14120.0	13634.0
15°	15733.5	15923.0	16056.2	16108.8	16056.2	15923.0	15733.5	15466.2	15097.3	14641.8	14102.2
12.5°	16186.1	16355.7	16460.1	16509.6	16460.1	16355.7	16186.1	15931.1	15592.0	15080.4	14513.6
10°	16539.7	16709.8	16809.5	16877.5	16809.5	16709.8	16539.7	16302.5	15923.8	15465.6	14908.7
7.5°	16846.6	17021.0	17142.9	17238.8	17142.9	17021.0	16846.6	16526.5	16188.6	15757.0	15194.8
5°	17016.1	17307.2	17351.0	17416.2	17351.0	17307.2	17016.1	16726.1	16357.7	15918.5	15369.7
2.5°	17145.3	17351.8	17475.9	17462.2	17475.9	17351.8	17145.3	16804.0	16451.3	16049.0	15517.5
0°	17238.8	17422.8	17468.8	17527.9	17468.8	17422.8	17238.8	16897.2	16529.3	16128.6	15576.7
-2.5°	17145.3	17351.8	17475.9	17462.2	17475.9	17351.8	17145.3	16804.0	16451.3	16049.0	15517.5
-5°	17016.1	17307.2	17351.0	17416.2	17351.0	17307.2	17016.1	16726.1	16357.7	15918.5	15369.7
-7.5°	16846.6	17021.0	17142.9	17238.8	17142.9	17021.0	16846.6	16526.5	16188.6	15757.0	15194.8
-10°	16539.7	16709.8	16809.5	16877.5	16809.5	16709.8	16539.7	16302.5	15923.8	15465.6	14908.7
-12.5°	16186.1	16355.7	16460.1	16509.6	16460.1	16355.7	16186.1	15931.1	15592.0	15080.4	14513.6
-15°	15733.5	15923.0	16056.2	16108.8	16056.2	15923.0	15733.5	15466.2	15097.3	14641.8	14102.2
-17.5°	15177.3	15377.2	15517.5	15557.0	15517.5	15377.2	15177.3	14904.9	14541.1	14120.0	13634.0
-20°	14545.3	14734.6	14848.2	14893.5	14848.2	14734.6	14545.3	14288.0	13940.6	13544.1	13093.6



REPORT NUMBER: P627471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-740-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°	13846.8	14021.4	14128.6	14170.8	14128.6	14021.4	13846.8	13612.7	13297.6	12925.1	12499.3
-25°	13115.1	13282.1	13398.2	13421.8	13398.2	13282.1	13115.1	12906.1	12621.4	12265.0	11863.3
-27.5°	12372.7	12536.7	12649.9	12659.8	12649.9	12536.7	12372.7	12162.7	11885.5	11561.0	11184.9
-30°	11606.1	11739.4	11814.4	11845.1	11814.4	11739.4	11606.1	11400.7	11137.9	10839.2	10494.6
-32.5°	10815.6	10936.9	11001.7	11010.8	11001.7	10936.9	10815.6	10630.4	10396.1	10123.0	9802.6
-35°	10023.9	10135.8	10199.2	10196.1	10199.2	10135.8	10023.9	9865.9	9662.1	9413.7	9102.2
-37.5°	9243.0	9335.5	9380.9	9381.5	9380.9	9335.5	9243.0	9099.2	8900.0	8654.7	8390.3
-40°	8465.0	8558.0	8600.8	8580.0	8600.8	8558.0	8465.0	8331.1	8151.7	7936.3	7702.0
-42.5°	7706.5	7792.1	7828.3	7798.2	7828.3	7792.1	7706.5	7590.1	7437.9	7256.6	7048.8
-45°	6961.1	7027.0	7052.6	7036.1	7052.6	7027.0	6961.1	6861.0	6727.1	6567.7	6385.5
-47.5°	6228.8	6292.4	6317.1	6300.3	6317.1	6292.4	6228.8	6139.1	6024.7	5879.9	5702.4
-50°	5533.0	5580.7	5599.9	5590.8	5599.9	5580.7	5533.0	5461.8	5364.8	5241.6	5099.2
-52.5°	4877.3	4916.7	4930.7	4920.7	4930.7	4916.7	4877.3	4816.0	4732.3	4627.5	4505.2
-55°	4246.1	4282.6	4296.7	4290.0	4296.7	4282.6	4246.1	4191.3	4118.7	4033.2	3931.0
-57.5°	3649.2	3677.7	3684.3	3672.4	3684.3	3677.7	3649.2	3605.6	3547.1	3477.5	3392.7
-60°	3108.0	3130.2	3141.4	3140.3	3141.4	3130.2	3108.0	3073.8	3027.9	2971.1	2902.5
-62.5°	2607.7	2621.9	2629.7	2627.9	2629.7	2621.9	2607.7	2583.3	2548.9	2505.6	2455.3
-65°	2135.8	2140.8	2139.0	2128.6	2139.0	2140.8	2135.8	2122.3	2100.3	2073.0	2040.0
-67.5°	1723.3	1723.8	1731.1	1734.4	1731.1	1723.8	1723.3	1716.1	1702.2	1684.1	1662.8
-70°	1366.7	1364.6	1367.3	1366.5	1367.3	1364.6	1366.7	1365.2	1360.5	1353.9	1343.8
-72.5°	1062.5	1045.6	1030.3	1011.7	1030.3	1045.6	1062.5	1076.9	1089.6	1096.7	1089.6
-75°	794.0	759.5	738.6	716.1	738.6	759.5	794.0	826.6	857.4	881.0	878.6
-77.5°	575.0	530.8	512.0	492.7	512.0	530.8	575.0	616.9	656.7	689.4	691.9
-80°	387.4	347.3	331.5	315.3	331.5	347.3	387.4	425.9	462.3	494.4	503.1
-82.5°	232.6	203.0	193.6	184.0	193.6	203.0	232.6	261.1	288.2	312.7	315.2
-85°	115.1	98.0	91.8	85.4	91.8	98.0	115.1	131.5	147.0	160.9	155.9
-87.5°	21.2	19.6	19.7	19.7	19.7	19.6	21.2	22.7	24.1	25.4	25.1
-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: P627471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-740-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°	24.7	24.3	23.8	23.3	22.8	22.2	21.5	20.9	20.1	19.4	18.6
85°	150.4	144.5	138.3	131.7	124.8	117.5	109.8	96.3	83.6	72.0	61.9
82.5°	315.8	314.4	309.9	292.1	274.1	256.0	237.0	208.7	180.9	153.8	130.2
80°	509.2	512.6	509.2	479.5	449.4	419.1	386.9	345.5	303.6	263.7	233.9
77.5°	693.3	694.1	688.5	659.0	626.5	591.0	550.4	500.6	450.7	400.3	361.9
75°	874.3	868.1	855.7	828.5	796.0	757.8	718.1	674.3	623.2	564.5	514.1
72.5°	1079.1	1065.2	1045.8	1019.1	987.6	953.8	912.5	864.2	810.7	752.0	698.9
70°	1327.9	1306.0	1276.9	1240.7	1205.0	1167.7	1123.5	1070.3	1008.0	943.3	884.0
67.5°	1635.2	1601.5	1560.4	1516.6	1472.3	1420.4	1361.0	1296.1	1231.8	1159.9	1078.7
65°	1999.0	1950.1	1890.5	1833.8	1772.0	1704.6	1628.6	1553.3	1474.6	1388.3	1285.3
62.5°	2398.7	2336.6	2255.6	2173.4	2089.6	2003.2	1910.1	1817.5	1723.4	1621.7	1505.8
60°	2822.4	2730.0	2636.9	2534.9	2424.2	2308.2	2202.4	2090.0	1971.1	1855.9	1728.7
57.5°	3292.2	3178.4	3056.8	2926.8	2789.3	2653.7	2516.7	2375.2	2240.8	2100.4	1956.5
55°	3813.0	3678.6	3525.9	3358.3	3184.8	3027.6	2856.3	2684.7	2522.8	2352.4	2193.8
52.5°	4367.6	4206.7	4029.7	3839.4	3642.0	3437.7	3229.5	3032.4	2821.6	2628.8	2437.1
50°	4939.6	4755.2	4551.2	4332.5	4112.9	3876.1	3638.0	3401.1	3162.2	2925.8	2696.1
47.5°	5520.5	5320.8	5094.0	4852.0	4600.7	4336.2	4065.2	3780.2	3516.0	3241.8	2980.8
45°	6159.0	5912.6	5658.5	5392.0	5104.6	4812.8	4508.7	4196.8	3878.9	3577.3	3271.4
42.5°	6801.2	6524.1	6230.2	5937.1	5623.6	5296.9	4957.7	4613.9	4264.6	3916.8	3582.4
40°	7440.9	7141.1	6820.6	6485.6	6143.8	5783.9	5412.5	5030.1	4650.8	4268.3	3890.0
37.5°	8095.2	7771.4	7424.2	7055.3	6672.4	6273.6	5865.0	5451.0	5032.7	4621.1	4210.9
35°	8766.4	8411.8	8028.7	7625.8	7204.3	6767.8	6319.5	5866.2	5416.2	4971.1	4526.5
32.5°	9431.5	9047.4	8634.3	8193.3	7729.3	7254.2	6772.3	6282.7	5790.2	5314.9	4841.4
30°	10102.3	9676.9	9229.3	8752.9	8249.9	7732.5	7210.5	6691.8	6166.9	5643.8	5143.0
27.5°	10759.4	10295.2	9808.8	9293.7	8756.3	8201.2	7640.4	7086.8	6526.9	5970.8	5430.8
25°	11399.0	10897.7	10361.2	9811.0	9241.2	8649.5	8046.7	7461.0	6876.4	6281.3	5689.1
22.5°	12014.5	11465.7	10887.5	10298.9	9699.5	9077.8	8434.9	7803.8	7198.7	6559.7	5940.9
20°	12582.1	11992.9	11375.4	10755.5	10121.6	9485.5	8796.6	8125.2	7474.4	6818.3	6169.1
17.5°	13085.7	12487.1	11839.3	11186.0	10511.0	9841.3	9134.7	8417.8	7728.2	7048.0	6369.9
15°	13529.5	12931.5	12275.6	11586.5	10866.0	10134.5	9420.9	8676.3	7959.5	7251.2	6555.6
12.5°	13932.7	13306.5	12651.5	11922.8	11157.8	10394.8	9652.6	8902.8	8165.1	7437.1	6722.7
10°	14294.5	13613.8	12920.6	12182.2	11402.1	10614.4	9850.1	9093.3	8340.1	7596.2	6860.5
7.5°	14542.4	13841.7	13125.5	12389.6	11608.2	10808.1	10020.9	9246.3	8476.6	7723.0	6967.9
5°	14725.5	14021.6	13303.1	12556.9	11768.3	10952.8	10146.9	9357.3	8573.8	7815.8	7044.5
2.5°	14866.1	14144.5	13424.3	12661.5	11871.8	11050.4	10237.0	9440.7	8650.9	7883.7	7112.1
0°	14965.7	14190.5	13494.1	12745.2	11937.1	11109.3	10294.7	9493.2	8698.2	7916.5	7147.8
-2.5°	14866.1	14144.5	13424.3	12661.5	11871.8	11050.4	10237.0	9440.7	8650.9	7883.7	7112.1
-5°	14725.5	14021.6	13303.1	12556.9	11768.3	10952.8	10146.9	9357.3	8573.8	7815.8	7044.5
-7.5°	14542.4	13841.7	13125.5	12389.6	11608.2	10808.1	10020.9	9246.3	8476.6	7723.0	6967.9
-10°	14294.5	13613.8	12920.6	12182.2	11402.1	10614.4	9850.1	9093.3	8340.1	7596.2	6860.5
-12.5°	13932.7	13306.5	12651.5	11922.8	11157.8	10394.8	9652.6	8902.8	8165.1	7437.1	6722.7
-15°	13529.5	12931.5	12275.6	11586.5	10866.0	10134.5	9420.9	8676.3	7959.5	7251.2	6555.6
-17.5°	13085.7	12487.1	11839.3	11186.0	10511.0	9841.3	9134.7	8417.8	7728.2	7048.0	6369.9
-20°	12582.1	11992.9	11375.4	10755.5	10121.6	9485.5	8796.6	8125.2	7474.4	6818.3	6169.1



REPORT NUMBER: P627471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12014.5	11465.7	10887.5	10298.9	9699.5	9077.8	8434.9	7803.8	7198.7	6559.7	5940.9
-25°	11399.0	10897.7	10361.2	9811.0	9241.2	8649.5	8046.7	7461.0	6876.4	6281.3	5689.1
-27.5°	10759.4	10295.2	9808.8	9293.7	8756.3	8201.2	7640.4	7086.8	6526.9	5970.8	5430.8
-30°	10102.3	9676.9	9229.3	8752.9	8249.9	7732.5	7210.5	6691.8	6166.9	5643.8	5143.0
-32.5°	9431.5	9047.4	8634.3	8193.3	7729.3	7254.2	6772.3	6282.7	5790.2	5314.9	4841.4
-35°	8766.4	8411.8	8028.7	7625.8	7204.3	6767.8	6319.5	5866.2	5416.2	4971.1	4526.5
-37.5°	8095.2	7771.4	7424.2	7055.3	6672.4	6273.6	5865.0	5451.0	5032.7	4621.1	4210.9
-40°	7440.9	7141.1	6820.6	6485.6	6143.8	5783.9	5412.5	5030.1	4650.8	4268.3	3890.0
-42.5°	6801.2	6524.1	6230.2	5937.1	5623.6	5296.9	4957.7	4613.9	4264.6	3916.8	3582.4
-45°	6159.0	5912.6	5658.5	5392.0	5104.6	4812.8	4508.7	4196.8	3878.9	3577.3	3271.4
-47.5°	5520.5	5320.8	5094.0	4852.0	4600.7	4336.2	4065.2	3780.2	3516.0	3241.8	2980.8
-50°	4939.6	4755.2	4551.2	4332.5	4112.9	3876.1	3638.0	3401.1	3162.2	2925.8	2696.1
-52.5°	4367.6	4206.7	4029.7	3839.4	3642.0	3437.7	3229.5	3032.4	2821.6	2628.8	2437.1
-55°	3813.0	3678.6	3525.9	3358.3	3184.8	3027.6	2856.3	2684.7	2522.8	2352.4	2193.8
-57.5°	3292.2	3178.4	3056.8	2926.8	2789.3	2653.7	2516.7	2375.2	2240.8	2100.4	1956.5
-60°	2822.4	2730.0	2636.9	2534.9	2424.2	2308.2	2202.4	2090.0	1971.1	1855.9	1728.7
-62.5°	2398.7	2336.6	2255.6	2173.4	2089.6	2003.2	1910.1	1817.5	1723.4	1621.7	1505.8
-65°	1999.0	1950.1	1890.5	1833.8	1772.0	1704.6	1628.6	1553.3	1474.6	1388.3	1285.3
-67.5°	1635.2	1601.5	1560.4	1516.6	1472.3	1420.4	1361.0	1296.1	1231.8	1159.9	1078.7
-70°	1327.9	1306.0	1276.9	1240.7	1205.0	1167.7	1123.5	1070.3	1008.0	943.3	884.0
-72.5°	1079.1	1065.2	1045.8	1019.1	987.6	953.8	912.5	864.2	810.7	752.0	698.9
-75°	874.3	868.1	855.7	828.5	796.0	757.8	718.1	674.3	623.2	564.5	514.1
-77.5°	693.3	694.1	688.5	659.0	626.5	591.0	550.4	500.6	450.7	400.3	361.9
-80°	509.2	512.6	509.2	479.5	449.4	419.1	386.9	345.5	303.6	263.7	233.9
-82.5°	315.8	314.4	309.9	292.1	274.1	256.0	237.0	208.7	180.9	153.8	130.2
-85°	150.4	144.5	138.3	131.7	124.8	117.5	109.8	96.3	83.6	72.0	61.9
-87.5°	24.7	24.3	23.8	23.3	22.8	22.2	21.5	20.9	20.1	19.4	18.6
-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: P627471 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-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°	18.9	19.0	19.0	18.8	16.7	14.8	12.9	11.1	10.1	9.0	7.9
85°	62.1	60.6	57.3	52.0	40.9	29.5	25.7	22.2	20.1	18.0	15.8
82.5°	129.7	131.0	130.9	127.0	112.1	96.4	79.9	62.9	46.6	29.6	23.7
80°	234.2	231.7	226.2	215.5	190.9	163.2	142.3	120.7	99.5	77.5	54.5
77.5°	354.1	344.0	331.6	317.6	291.5	260.9	225.8	185.9	152.2	125.1	96.8
75°	488.1	472.0	454.7	431.3	397.8	359.5	320.8	274.4	222.8	174.1	138.8
72.5°	656.2	617.2	582.4	549.6	513.3	470.5	421.2	361.3	298.6	239.4	183.9
70°	826.5	768.0	715.8	671.1	627.4	582.6	528.4	454.6	373.1	303.4	238.1
67.5°	999.3	930.2	860.3	793.4	738.3	685.5	633.3	547.5	454.0	366.0	290.9
65°	1190.1	1097.8	1009.1	926.4	851.6	785.6	724.3	634.4	532.5	433.5	342.4
62.5°	1386.6	1268.8	1163.8	1058.4	965.2	885.0	811.3	712.1	607.6	498.8	396.1
60°	1593.1	1459.1	1319.4	1196.4	1082.1	980.7	891.5	788.7	677.8	561.7	449.5
57.5°	1810.7	1653.1	1496.2	1340.6	1203.3	1081.8	969.5	861.4	746.8	623.7	499.1
55°	2031.1	1861.3	1675.7	1500.4	1332.0	1187.3	1052.0	931.1	813.5	684.6	542.1
52.5°	2251.7	2065.3	1866.1	1663.5	1475.0	1293.9	1142.8	999.1	874.8	744.2	586.7
50°	2482.6	2268.7	2055.3	1836.5	1617.4	1418.9	1230.4	1076.9	934.4	800.7	629.1
47.5°	2722.8	2484.6	2247.1	2007.9	1772.9	1538.5	1332.8	1153.2	992.0	852.0	668.5
45°	2986.2	2707.5	2444.6	2186.0	1920.2	1667.6	1436.4	1226.2	1057.2	891.8	704.9
42.5°	3249.3	2942.9	2649.1	2361.5	2074.4	1796.0	1534.6	1312.1	1119.5	929.9	738.3
40°	3529.2	3179.0	2853.4	2541.3	2225.0	1918.1	1643.4	1395.9	1178.0	969.5	770.0
37.5°	3801.3	3421.1	3063.2	2713.0	2372.6	2049.9	1748.0	1474.4	1233.4	1014.0	800.0
35°	4089.4	3664.4	3257.3	2885.8	2524.5	2174.9	1845.9	1553.5	1297.3	1057.4	828.2
32.5°	4367.6	3902.2	3465.6	3056.3	2669.6	2292.7	1946.7	1637.4	1358.7	1099.5	854.7
30°	4641.1	4140.8	3665.2	3217.5	2810.1	2416.4	2047.6	1715.7	1417.3	1140.1	881.1
27.5°	4893.3	4361.8	3856.5	3384.1	2948.2	2533.7	2143.0	1788.4	1473.0	1181.8	911.9
25°	5128.2	4574.5	4045.0	3544.4	3076.3	2644.8	2230.9	1855.6	1529.7	1225.4	940.4
22.5°	5348.5	4772.1	4216.0	3692.1	3195.0	2746.8	2316.6	1927.2	1583.3	1265.5	966.6
20°	5548.8	4949.9	4369.1	3825.9	3310.5	2844.0	2399.0	1991.4	1631.2	1301.9	990.1
17.5°	5729.2	5112.5	4515.2	3951.1	3418.1	2930.3	2472.2	2048.0	1673.3	1334.4	1010.8
15°	5896.7	5260.2	4644.3	4060.3	3511.2	3005.5	2536.0	2096.8	1709.4	1362.6	1030.6
12.5°	6040.7	5386.9	4753.9	4153.1	3589.6	3069.1	2589.8	2137.7	1739.3	1388.1	1049.1
10°	6159.2	5491.7	4843.4	4229.0	3653.1	3121.0	2633.6	2172.1	1767.4	1410.1	1063.4
7.5°	6251.5	5573.7	4912.4	4287.5	3703.4	3164.3	2670.9	2201.9	1790.1	1427.0	1073.4
5°	6321.4	5637.8	4972.3	4336.6	3749.7	3199.3	2698.0	2223.2	1806.5	1438.6	1079.1
2.5°	6383.5	5685.8	5019.5	4368.4	3781.1	3222.1	2714.4	2236.0	1816.4	1444.8	1080.4
0°	6418.6	5709.0	5045.5	4382.0	3797.3	3232.3	2719.8	2240.3	1819.8	1445.3	1077.4
-2.5°	6383.5	5685.8	5019.5	4368.4	3781.1	3222.1	2714.4	2236.0	1816.4	1444.8	1080.4
-5°	6321.4	5637.8	4972.3	4336.6	3749.7	3199.3	2698.0	2223.2	1806.5	1438.6	1079.1
-7.5°	6251.5	5573.7	4912.4	4287.5	3703.4	3164.3	2670.9	2201.9	1790.1	1427.0	1073.4
-10°	6159.2	5491.7	4843.4	4229.0	3653.1	3121.0	2633.6	2172.1	1767.4	1410.1	1063.4
-12.5°	6040.7	5386.9	4753.9	4153.1	3589.6	3069.1	2589.8	2137.7	1739.3	1388.1	1049.1
-15°	5896.7	5260.2	4644.3	4060.3	3511.2	3005.5	2536.0	2096.8	1709.4	1362.6	1030.6
-17.5°	5729.2	5112.5	4515.2	3951.1	3418.1	2930.3	2472.2	2048.0	1673.3	1334.4	1010.8
-20°	5548.8	4949.9	4369.1	3825.9	3310.5	2844.0	2399.0	1991.4	1631.2	1301.9	990.1



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5348.5	4772.1	4216.0	3692.1	3195.0	2746.8	2316.6	1927.2	1583.3	1265.5	966.6
-25°	5128.2	4574.5	4045.0	3544.4	3076.3	2644.8	2230.9	1855.6	1529.7	1225.4	940.4
-27.5°	4893.3	4361.8	3856.5	3384.1	2948.2	2533.7	2143.0	1788.4	1473.0	1181.8	911.9
-30°	4641.1	4140.8	3665.2	3217.5	2810.1	2416.4	2047.6	1715.7	1417.3	1140.1	881.1
-32.5°	4367.6	3902.2	3465.6	3056.3	2669.6	2292.7	1946.7	1637.4	1358.7	1099.5	854.7
-35°	4089.4	3664.4	3257.3	2885.8	2524.5	2174.9	1845.9	1553.5	1297.3	1057.4	828.2
-37.5°	3801.3	3421.1	3063.2	2713.0	2372.6	2049.9	1748.0	1474.4	1233.4	1014.0	800.0
-40°	3529.2	3179.0	2853.4	2541.3	2225.0	1918.1	1643.4	1395.9	1178.0	969.5	770.0
-42.5°	3249.3	2942.9	2649.1	2361.5	2074.4	1796.0	1534.6	1312.1	1119.5	929.9	738.3
-45°	2986.2	2707.5	2444.6	2186.0	1920.2	1667.6	1436.4	1226.2	1057.2	891.8	704.9
-47.5°	2722.8	2484.6	2247.1	2007.9	1772.9	1538.5	1332.8	1153.2	992.0	852.0	668.5
-50°	2482.6	2268.7	2055.3	1836.5	1617.4	1418.9	1230.4	1076.9	934.4	800.7	629.1
-52.5°	2251.7	2065.3	1866.1	1663.5	1475.0	1293.9	1142.8	999.1	874.8	744.2	586.7
-55°	2031.1	1861.3	1675.7	1500.4	1332.0	1187.3	1052.0	931.1	813.5	684.6	542.1
-57.5°	1810.7	1653.1	1496.2	1340.6	1203.3	1081.8	969.5	861.4	746.8	623.7	499.1
-60°	1593.1	1459.1	1319.4	1196.4	1082.1	980.7	891.5	788.7	677.8	561.7	449.5
-62.5°	1386.6	1268.8	1163.8	1058.4	965.2	885.0	811.3	712.1	607.6	498.8	396.1
-65°	1190.1	1097.8	1009.1	926.4	851.6	785.6	724.3	634.4	532.5	433.5	342.4
-67.5°	999.3	930.2	860.3	793.4	738.3	685.5	633.3	547.5	454.0	366.0	290.9
-70°	826.5	768.0	715.8	671.1	627.4	582.6	528.4	454.6	373.1	303.4	238.1
-72.5°	656.2	617.2	582.4	549.6	513.3	470.5	421.2	361.3	298.6	239.4	183.9
-75°	488.1	472.0	454.7	431.3	397.8	359.5	320.8	274.4	222.8	174.1	138.8
-77.5°	354.1	344.0	331.6	317.6	291.5	260.9	225.8	185.9	152.2	125.1	96.8
-80°	234.2	231.7	226.2	215.5	190.9	163.2	142.3	120.7	99.5	77.5	54.5
-82.5°	129.7	131.0	130.9	127.0	112.1	96.4	79.9	62.9	46.6	29.6	23.7
-85°	62.1	60.6	57.3	52.0	40.9	29.5	25.7	22.2	20.1	18.0	15.8
-87.5°	18.9	19.0	19.0	18.8	16.7	14.8	12.9	11.1	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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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	9.1	6.9	4.6	2.0	0.0
82.5°	20.4	17.0	13.7	10.3	6.8	3.0	0.0
80°	30.6	22.7	18.2	13.7	9.1	4.0	0.0
77.5°	66.7	35.5	22.7	17.0	11.3	5.0	0.0
75°	101.9	61.4	29.5	20.4	13.5	5.9	0.0
72.5°	136.0	86.6	47.0	23.7	15.6	6.9	0.0
70°	170.1	110.9	64.0	28.3	17.7	7.8	0.0
67.5°	211.1	134.1	80.3	38.8	19.7	8.7	0.0
65°	250.2	160.1	95.8	48.9	21.7	9.6	0.0
62.5°	287.4	188.7	110.5	58.5	23.6	10.4	0.0
60°	322.4	215.7	124.4	67.6	25.4	11.3	0.0
57.5°	359.3	241.0	142.8	76.1	30.5	12.1	0.0
55°	394.3	264.6	160.4	84.1	35.5	12.8	0.0
52.5°	426.6	287.0	176.8	91.4	40.3	13.6	0.0
50°	456.2	310.8	191.9	98.2	44.9	14.3	0.0
47.5°	484.0	332.5	205.6	105.2	49.3	15.0	0.0
45°	514.9	352.1	218.0	114.3	53.4	15.6	0.0
42.5°	543.2	369.5	228.9	122.6	57.4	16.2	0.0
40°	568.9	384.7	239.9	131.0	61.1	16.7	0.0
37.5°	591.9	397.7	250.8	139.4	64.5	17.2	0.0
35°	612.2	412.7	260.2	147.1	67.8	17.7	0.0
32.5°	631.0	427.7	268.0	154.3	70.7	18.1	0.0
30°	650.5	440.5	274.3	160.9	73.4	18.5	0.0
27.5°	668.0	451.2	283.7	166.8	75.9	18.8	0.0
25°	683.4	459.6	292.5	172.2	78.1	19.1	0.0
22.5°	696.7	468.1	300.3	176.9	80.0	19.4	0.0
20°	707.6	479.7	306.9	180.9	81.7	19.6	0.0
17.5°	721.2	489.2	312.6	184.3	83.1	19.7	0.0
15°	735.4	496.6	317.1	187.1	84.2	19.9	0.0
12.5°	746.9	501.9	320.5	189.3	85.1	19.9	0.0
10°	755.7	505.2	322.9	190.8	85.6	20.0	0.0
7.5°	761.7	506.6	324.2	191.6	86.0	20.0	0.0
5°	764.8	506.0	324.5	191.9	86.0	19.9	0.0
2.5°	765.0	503.5	323.7	191.5	85.8	19.8	0.0
0°	762.1	499.3	321.9	190.5	85.4	19.7	0.0
-2.5°	765.0	503.5	323.7	191.5	85.8	19.8	0.0
-5°	764.8	506.0	324.5	191.9	86.0	19.9	0.0
-7.5°	761.7	506.6	324.2	191.6	86.0	20.0	0.0
-10°	755.7	505.2	322.9	190.8	85.6	20.0	0.0
-12.5°	746.9	501.9	320.5	189.3	85.1	19.9	0.0
-15°	735.4	496.6	317.1	187.1	84.2	19.9	0.0
-17.5°	721.2	489.2	312.6	184.3	83.1	19.7	0.0
-20°	707.6	479.7	306.9	180.9	81.7	19.6	0.0

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CATALOG NUMBER: GFLD-SA4D-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	696.7	468.1	300.3	176.9	80.0	19.4	0.0
-25°	683.4	459.6	292.5	172.2	78.1	19.1	0.0
-27.5°	668.0	451.2	283.7	166.8	75.9	18.8	0.0
-30°	650.5	440.5	274.3	160.9	73.4	18.5	0.0
-32.5°	631.0	427.7	268.0	154.3	70.7	18.1	0.0
-35°	612.2	412.7	260.2	147.1	67.8	17.7	0.0
-37.5°	591.9	397.7	250.8	139.4	64.5	17.2	0.0
-40°	568.9	384.7	239.9	131.0	61.1	16.7	0.0
-42.5°	543.2	369.5	228.9	122.6	57.4	16.2	0.0
-45°	514.9	352.1	218.0	114.3	53.4	15.6	0.0
-47.5°	484.0	332.5	205.6	105.2	49.3	15.0	0.0
-50°	456.2	310.8	191.9	98.2	44.9	14.3	0.0
-52.5°	426.6	287.0	176.8	91.4	40.3	13.6	0.0
-55°	394.3	264.6	160.4	84.1	35.5	12.8	0.0
-57.5°	359.3	241.0	142.8	76.1	30.5	12.1	0.0
-60°	322.4	215.7	124.4	67.6	25.4	11.3	0.0
-62.5°	287.4	188.7	110.5	58.5	23.6	10.4	0.0
-65°	250.2	160.1	95.8	48.9	21.7	9.6	0.0
-67.5°	211.1	134.1	80.3	38.8	19.7	8.7	0.0
-70°	170.1	110.9	64.0	28.3	17.7	7.8	0.0
-72.5°	136.0	86.6	47.0	23.7	15.6	6.9	0.0
-75°	101.9	61.4	29.5	20.4	13.5	5.9	0.0
-77.5°	66.7	35.5	22.7	17.0	11.3	5.0	0.0
-80°	30.6	22.7	18.2	13.7	9.1	4.0	0.0
-82.5°	20.4	17.0	13.7	10.3	6.8	3.0	0.0
-85°	13.6	11.4	9.1	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)