

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: P627981 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6E-727-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627981 (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-SA6E-727-U-VWR-XX
Description: GALLEON FLOOD, SIX LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N140
Light Source: (96) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

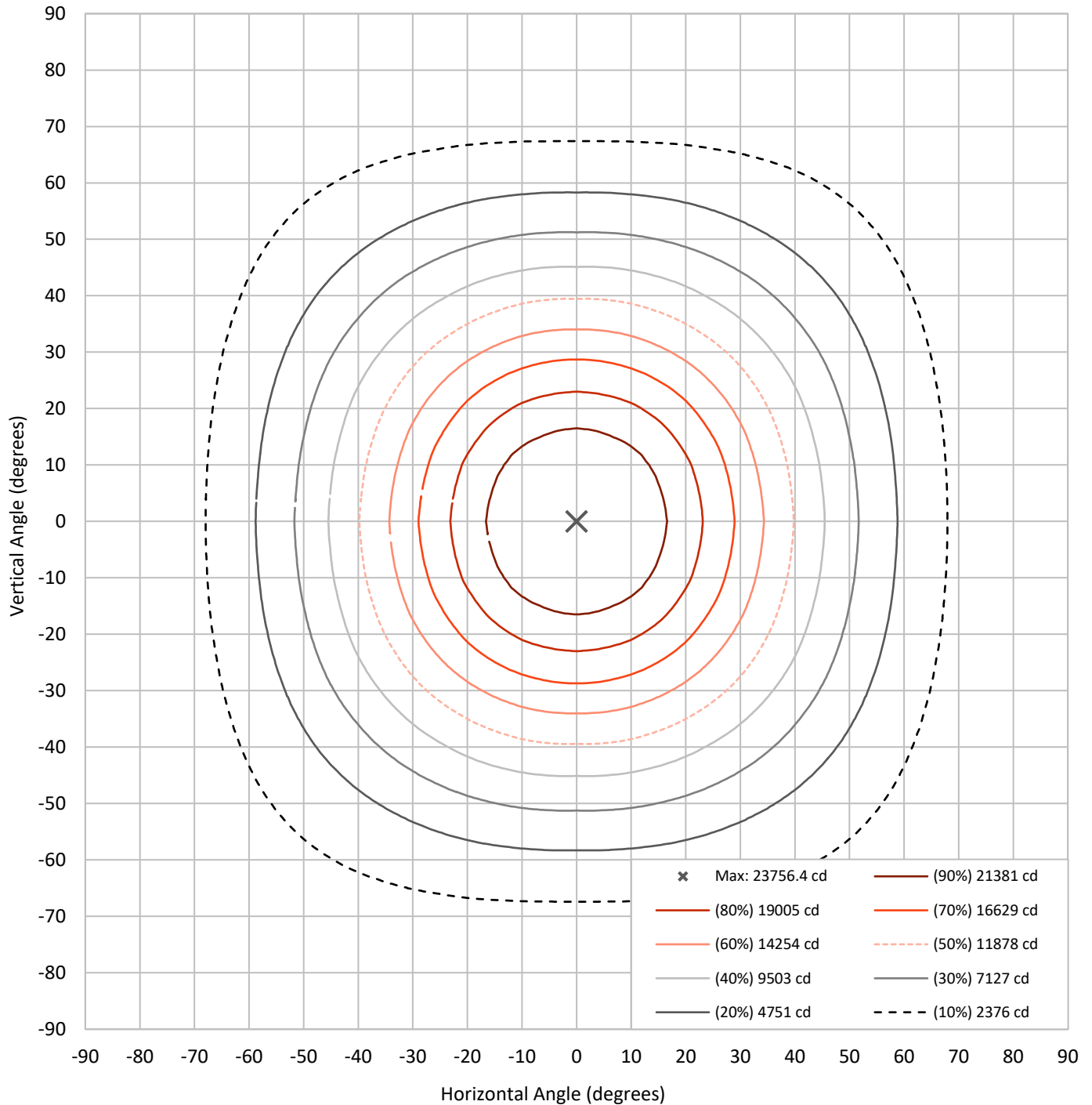
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	42937.7 lumens	Max Intensity:	23756.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	114.0 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:	25183.2 lumens	Field Lumens:	40933.7 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	376.7		
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		



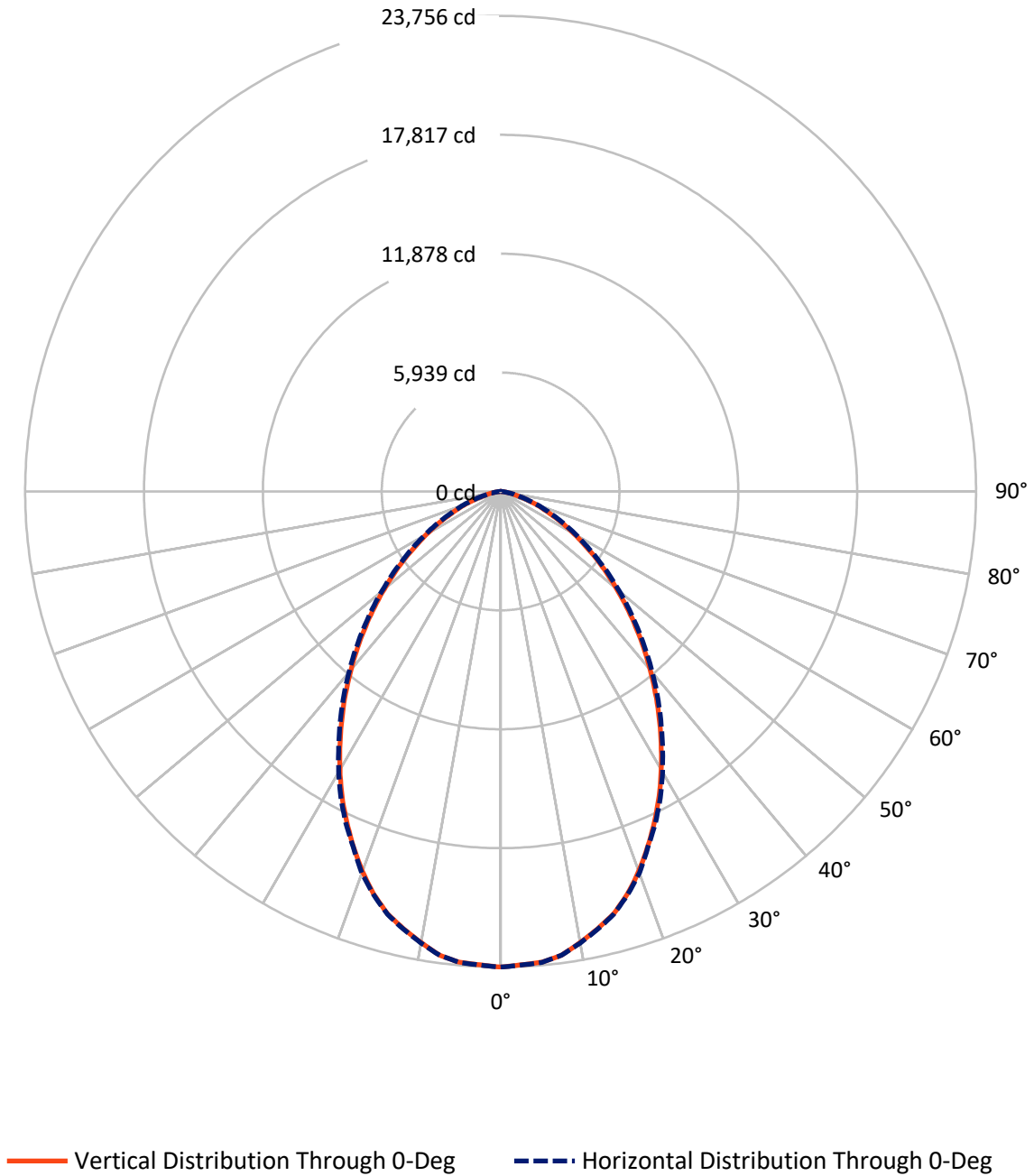
REPORT NUMBER: P627981 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA6E-727-U-VWR-XX

Iso-Candela Plot



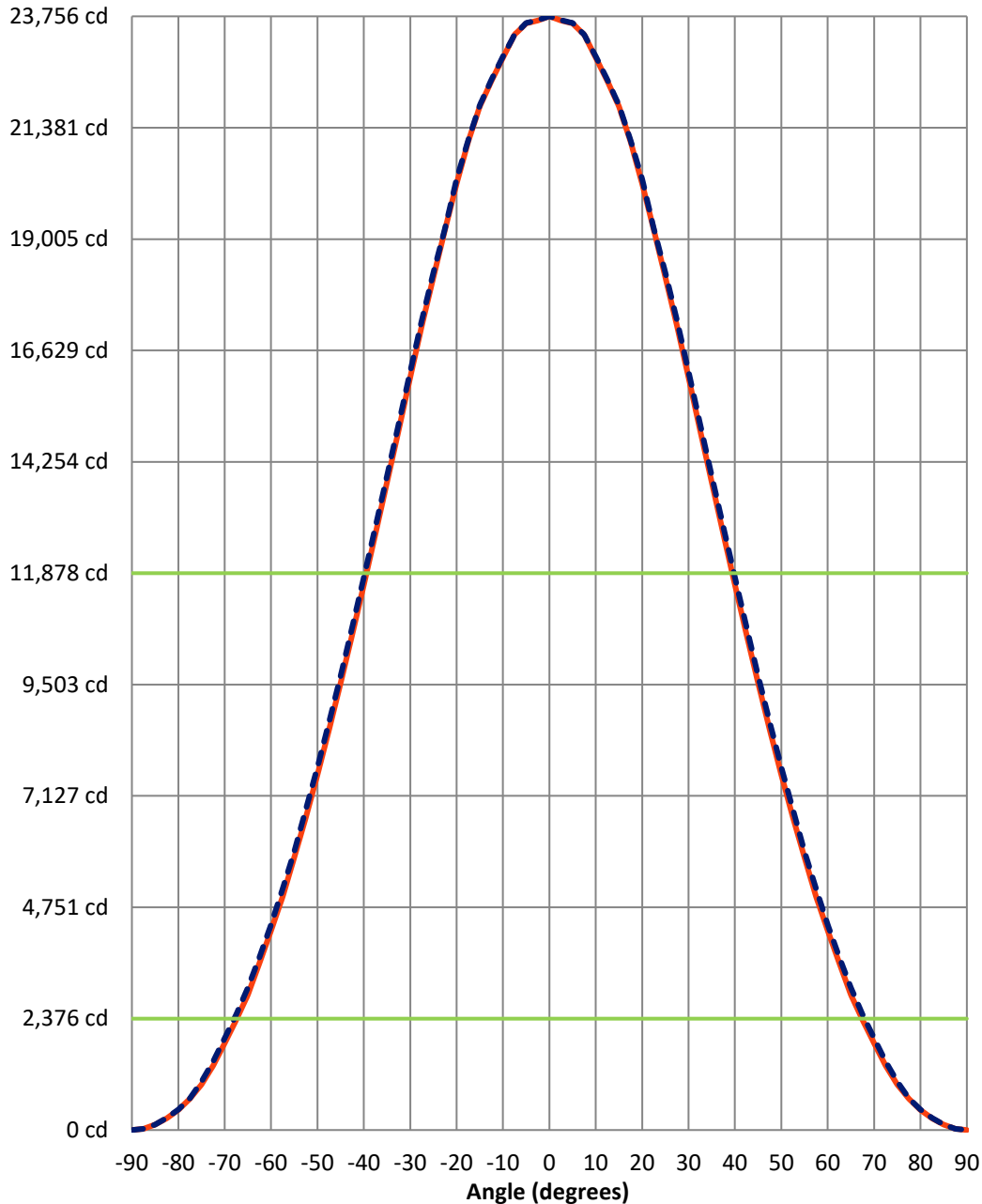
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 25183.2
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 40933.7
 Efficiency: 95.3%

Spill:
 Lumens: 2003.9
 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	1.4	3.1	4.6	6.2	7.7	9.2	10.7	12.2	13.6	15.0
85°	0.0	2.7	6.2	9.3	12.3	15.4	18.4	21.4	24.3	27.2	30.1
82.5°	0.0	4.1	9.3	13.9	18.5	23.1	27.6	32.0	40.1	63.1	85.2
80°	0.0	5.4	12.3	18.5	24.6	30.7	41.5	73.9	105.0	134.9	163.6
77.5°	0.0	6.7	15.3	23.1	30.7	48.1	90.4	131.2	169.5	206.4	252.0
75°	0.0	8.0	18.3	27.6	40.0	83.2	138.1	188.1	236.1	302.0	371.9
72.5°	0.0	9.3	21.1	32.0	63.7	117.3	184.4	249.3	324.5	404.8	489.7
70°	0.0	10.6	24.0	38.4	86.7	150.3	230.6	322.6	411.2	505.7	616.2
67.5°	0.0	11.8	26.7	52.6	108.8	181.8	286.1	394.3	496.0	615.4	742.0
65°	0.0	13.0	29.4	66.2	129.9	217.1	339.1	464.0	587.6	721.8	859.8
62.5°	0.0	14.1	31.9	79.3	149.9	255.8	389.5	536.8	676.1	823.5	965.1
60°	0.0	15.3	34.4	91.6	168.6	292.3	436.9	609.2	761.3	918.7	1069.0
57.5°	0.0	16.4	41.3	103.2	193.6	326.7	486.9	676.5	845.3	1012.2	1167.5
55°	0.0	17.4	48.1	114.0	217.5	358.6	534.3	734.7	927.9	1102.5	1262.0
52.5°	0.0	18.4	54.6	124.0	239.7	389.0	578.2	795.3	1008.6	1185.7	1354.0
50°	0.0	19.4	60.8	133.1	260.1	421.2	618.4	852.7	1085.2	1266.3	1459.6
47.5°	0.0	20.3	66.8	142.6	278.7	450.6	656.0	906.1	1154.6	1344.4	1562.9
45°	0.0	21.1	72.4	155.0	295.4	477.1	697.9	955.4	1208.6	1432.8	1661.9
42.5°	0.0	21.9	77.8	166.2	310.3	500.7	736.2	1000.6	1260.3	1517.3	1778.4
40°	0.0	22.6	82.8	177.6	325.2	521.4	771.1	1043.5	1314.0	1596.5	1891.9
37.5°	0.0	23.3	87.5	189.0	340.0	539.0	802.2	1084.2	1374.3	1671.7	1998.3
35°	0.0	24.0	91.9	199.5	352.7	559.3	829.7	1122.5	1433.1	1758.3	2105.6
32.5°	0.0	24.5	95.9	209.2	363.3	579.7	855.2	1158.3	1490.1	1841.4	2219.2
30°	0.0	25.0	99.6	218.1	371.8	597.0	881.6	1194.2	1545.1	1920.9	2325.4
27.5°	0.0	25.5	102.9	226.2	384.5	611.4	905.4	1235.9	1601.8	1996.4	2423.9
25°	0.0	25.9	105.9	233.4	396.4	622.8	926.3	1274.6	1660.8	2073.2	2515.0
22.5°	0.0	26.2	108.5	239.7	407.0	634.3	944.2	1310.0	1715.2	2145.9	2612.0
20°	0.0	26.5	110.8	245.2	416.0	650.1	959.0	1341.9	1764.5	2210.9	2699.0
17.5°	0.0	26.7	112.6	249.9	423.6	663.0	977.5	1370.0	1808.5	2267.9	2775.7
15°	0.0	26.9	114.2	253.6	429.8	673.0	996.7	1396.8	1846.7	2316.8	2841.9
12.5°	0.0	27.0	115.3	256.5	434.4	680.2	1012.4	1421.9	1881.2	2357.4	2897.3
10°	0.0	27.1	116.1	258.6	437.7	684.7	1024.3	1441.3	1911.1	2395.5	2943.9
7.5°	0.0	27.0	116.6	259.7	439.4	686.5	1032.4	1454.9	1934.1	2426.2	2984.3
5°	0.0	27.0	116.7	260.1	439.8	685.7	1036.6	1462.6	1949.9	2448.4	3013.1
2.5°	0.0	26.9	116.4	259.5	438.7	682.4	1036.8	1464.4	1958.2	2461.9	3030.5
0°	0.0	26.7	115.8	258.2	436.3	676.7	1032.9	1460.3	1958.9	2466.5	3036.3
-2.5°	0.0	26.9	116.4	259.5	438.7	682.4	1036.8	1464.4	1958.2	2461.9	3030.5
-5°	0.0	27.0	116.7	260.1	439.8	685.7	1036.6	1462.6	1949.9	2448.4	3013.1
-7.5°	0.0	27.0	116.6	259.7	439.4	686.5	1032.4	1454.9	1934.1	2426.2	2984.3
-10°	0.0	27.1	116.1	258.6	437.7	684.7	1024.3	1441.3	1911.1	2395.5	2943.9
-12.5°	0.0	27.0	115.3	256.5	434.4	680.2	1012.4	1421.9	1881.2	2357.4	2897.3
-15°	0.0	26.9	114.2	253.6	429.8	673.0	996.7	1396.8	1846.7	2316.8	2841.9
-17.5°	0.0	26.7	112.6	249.9	423.6	663.0	977.5	1370.0	1808.5	2267.9	2775.7
-20°	0.0	26.5	110.8	245.2	416.0	650.1	959.0	1341.9	1764.5	2210.9	2699.0



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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	26.2	108.5	239.7	407.0	634.3	944.2	1310.0	1715.2	2145.9	2612.0
-25°	0.0	25.9	105.9	233.4	396.4	622.8	926.3	1274.6	1660.8	2073.2	2515.0
-27.5°	0.0	25.5	102.9	226.2	384.5	611.4	905.4	1235.9	1601.8	1996.4	2423.9
-30°	0.0	25.0	99.6	218.1	371.8	597.0	881.6	1194.2	1545.1	1920.9	2325.4
-32.5°	0.0	24.5	95.9	209.2	363.3	579.7	855.2	1158.3	1490.1	1841.4	2219.2
-35°	0.0	24.0	91.9	199.5	352.7	559.3	829.7	1122.5	1433.1	1758.3	2105.6
-37.5°	0.0	23.3	87.5	189.0	340.0	539.0	802.2	1084.2	1374.3	1671.7	1998.3
-40°	0.0	22.6	82.8	177.6	325.2	521.4	771.1	1043.5	1314.0	1596.5	1891.9
-42.5°	0.0	21.9	77.8	166.2	310.3	500.7	736.2	1000.6	1260.3	1517.3	1778.4
-45°	0.0	21.1	72.4	155.0	295.4	477.1	697.9	955.4	1208.6	1432.8	1661.9
-47.5°	0.0	20.3	66.8	142.6	278.7	450.6	656.0	906.1	1154.6	1344.4	1562.9
-50°	0.0	19.4	60.8	133.1	260.1	421.2	618.4	852.7	1085.2	1266.3	1459.6
-52.5°	0.0	18.4	54.6	124.0	239.7	389.0	578.2	795.3	1008.6	1185.7	1354.0
-55°	0.0	17.4	48.1	114.0	217.5	358.6	534.3	734.7	927.9	1102.5	1262.0
-57.5°	0.0	16.4	41.3	103.2	193.6	326.7	486.9	676.5	845.3	1012.2	1167.5
-60°	0.0	15.3	34.4	91.6	168.6	292.3	436.9	609.2	761.3	918.7	1069.0
-62.5°	0.0	14.1	31.9	79.3	149.9	255.8	389.5	536.8	676.1	823.5	965.1
-65°	0.0	13.0	29.4	66.2	129.9	217.1	339.1	464.0	587.6	721.8	859.8
-67.5°	0.0	11.8	26.7	52.6	108.8	181.8	286.1	394.3	496.0	615.4	742.0
-70°	0.0	10.6	24.0	38.4	86.7	150.3	230.6	322.6	411.2	505.7	616.2
-72.5°	0.0	9.3	21.1	32.0	63.7	117.3	184.4	249.3	324.5	404.8	489.7
-75°	0.0	8.0	18.3	27.6	40.0	83.2	138.1	188.1	236.1	302.0	371.9
-77.5°	0.0	6.7	15.3	23.1	30.7	48.1	90.4	131.2	169.5	206.4	252.0
-80°	0.0	5.4	12.3	18.5	24.6	30.7	41.5	73.9	105.0	134.9	163.6
-82.5°	0.0	4.1	9.3	13.9	18.5	23.1	27.6	32.0	40.1	63.1	85.2
-85°	0.0	2.7	6.2	9.3	12.3	15.4	18.4	21.4	24.3	27.2	30.1
-87.5°	0.0	1.4	3.1	4.6	6.2	7.7	9.2	10.7	12.2	13.6	15.0
-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: P627981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-727-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°	17.5	20.0	22.7	25.5	25.7	25.8	25.6	25.2	26.2	27.3	28.2
85°	34.8	39.9	55.5	70.5	77.7	82.2	84.2	83.8	97.5	113.3	130.4
82.5°	108.3	130.6	151.9	172.2	177.5	177.6	175.9	176.5	208.5	245.2	282.8
80°	192.9	221.2	258.8	292.1	306.6	314.1	317.5	317.0	357.5	411.5	468.2
77.5°	306.0	353.7	395.2	430.5	449.5	466.3	480.0	490.5	542.6	610.8	678.5
75°	434.9	487.2	539.2	584.5	616.2	639.7	661.6	696.8	765.1	844.7	914.0
72.5°	570.9	637.7	695.7	744.8	789.3	836.6	889.4	947.3	1019.3	1098.8	1171.2
70°	716.2	789.6	850.3	909.5	970.1	1040.9	1120.1	1198.1	1278.4	1366.2	1450.6
67.5°	858.3	929.1	1000.6	1075.3	1166.0	1260.7	1354.4	1462.0	1572.0	1669.5	1756.6
65°	981.7	1064.8	1154.2	1255.6	1367.7	1487.9	1613.0	1742.0	1881.6	1998.6	2105.3
62.5°	1099.6	1199.5	1308.2	1434.5	1577.3	1719.7	1879.3	2040.8	2197.9	2335.9	2463.3
60°	1208.2	1329.2	1466.6	1621.5	1788.3	1977.5	2159.3	2343.0	2515.4	2671.5	2832.6
57.5°	1314.0	1466.2	1631.0	1817.0	2027.8	2240.5	2454.1	2651.8	2846.8	3037.1	3219.3
55°	1425.8	1609.2	1805.3	2033.5	2271.2	2522.7	2752.8	2973.3	3188.3	3419.2	3638.7
52.5°	1548.9	1753.7	1999.2	2254.6	2529.2	2799.2	3051.9	3303.1	3563.0	3824.3	4110.0
50°	1667.6	1923.1	2192.1	2489.1	2785.7	3074.9	3364.8	3654.1	3965.4	4285.9	4609.6
47.5°	1806.4	2085.1	2402.9	2721.4	3045.5	3367.5	3690.4	4040.1	4393.7	4765.4	5123.5
45°	1946.8	2260.2	2602.5	2962.8	3313.3	3669.7	4047.3	4433.8	4848.5	5257.2	5688.1
42.5°	2079.9	2434.2	2811.6	3200.6	3590.5	3988.6	4403.9	4855.4	5308.6	5780.0	6253.4
40°	2227.4	2599.6	3015.7	3444.3	3867.3	4308.7	4783.2	5272.3	5785.0	6303.4	6817.5
37.5°	2369.1	2778.3	3215.7	3677.0	4151.7	4636.8	5152.1	5707.2	6263.2	6821.1	7388.1
35°	2501.8	2947.8	3421.6	3911.3	4414.7	4966.4	5542.4	6135.0	6737.5	7340.9	7950.8
32.5°	2638.4	3107.5	3618.2	4142.3	4697.0	5288.7	5919.6	6561.8	7203.5	7847.8	8515.3
30°	2775.3	3275.1	3808.7	4360.8	4967.5	5612.2	6290.4	6970.6	7649.4	8358.3	9069.7
27.5°	2904.6	3434.1	3995.8	4586.6	5226.8	5911.8	6632.1	7360.7	8092.5	8846.2	9605.1
25°	3023.7	3584.6	4169.6	4803.9	5482.4	6200.1	6950.4	7710.7	8513.3	9319.9	10112.3
22.5°	3139.8	3722.9	4330.4	5004.1	5714.1	6467.8	7249.0	8051.9	8890.6	9756.8	10576.9
20°	3251.5	3854.6	4487.0	5185.5	5921.6	6708.8	7520.5	8361.2	9241.2	10130.5	11012.6
17.5°	3350.8	3971.6	4632.7	5355.1	6119.7	6929.1	7765.1	8633.5	9552.6	10474.4	11409.0
15°	3437.1	4073.5	4758.9	5503.1	6294.7	7129.4	7992.1	8885.2	9828.0	10787.8	11759.4
12.5°	3510.1	4159.8	4865.2	5628.9	6443.2	7301.1	8187.2	9111.7	10079.9	11066.6	12066.4
10°	3569.5	4230.1	4951.2	5731.8	6564.5	7443.1	8347.9	9298.3	10295.6	11303.8	12324.5
7.5°	3620.0	4288.8	5019.4	5811.1	6657.9	7554.3	8473.0	9444.0	10467.4	11488.7	12531.9
5°	3656.8	4336.2	5082.1	5877.6	6739.2	7641.1	8567.7	9547.7	10593.1	11620.4	12682.3
2.5°	3678.9	4367.1	5124.7	5920.7	6803.1	7706.2	8651.9	9639.4	10685.2	11725.0	12795.4
0°	3686.3	4380.9	5146.6	5939.1	6838.4	7737.8	8699.4	9687.8	10729.6	11789.2	12866.6
-2.5°	3678.9	4367.1	5124.7	5920.7	6803.1	7706.2	8651.9	9639.4	10685.2	11725.0	12795.4
-5°	3656.8	4336.2	5082.1	5877.6	6739.2	7641.1	8567.7	9547.7	10593.1	11620.4	12682.3
-7.5°	3620.0	4288.8	5019.4	5811.1	6657.9	7554.3	8473.0	9444.0	10467.4	11488.7	12531.9
-10°	3569.5	4230.1	4951.2	5731.8	6564.5	7443.1	8347.9	9298.3	10295.6	11303.8	12324.5
-12.5°	3510.1	4159.8	4865.2	5628.9	6443.2	7301.1	8187.2	9111.7	10079.9	11066.6	12066.4
-15°	3437.1	4073.5	4758.9	5503.1	6294.7	7129.4	7992.1	8885.2	9828.0	10787.8	11759.4
-17.5°	3350.8	3971.6	4632.7	5355.1	6119.7	6929.1	7765.1	8633.5	9552.6	10474.4	11409.0
-20°	3251.5	3854.6	4487.0	5185.5	5921.6	6708.8	7520.5	8361.2	9241.2	10130.5	11012.6

Classified

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



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CATALOG NUMBER: GFLD-SA6E-727-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°	3139.8	3722.9	4330.4	5004.1	5714.1	6467.8	7249.0	8051.9	8890.6	9756.8	10576.9
-25°	3023.7	3584.6	4169.6	4803.9	5482.4	6200.1	6950.4	7710.7	8513.3	9319.9	10112.3
-27.5°	2904.6	3434.1	3995.8	4586.6	5226.8	5911.8	6632.1	7360.7	8092.5	8846.2	9605.1
-30°	2775.3	3275.1	3808.7	4360.8	4967.5	5612.2	6290.4	6970.6	7649.4	8358.3	9069.7
-32.5°	2638.4	3107.5	3618.2	4142.3	4697.0	5288.7	5919.6	6561.8	7203.5	7847.8	8515.3
-35°	2501.8	2947.8	3421.6	3911.3	4414.7	4966.4	5542.4	6135.0	6737.5	7340.9	7950.8
-37.5°	2369.1	2778.3	3215.7	3677.0	4151.7	4636.8	5152.1	5707.2	6263.2	6821.1	7388.1
-40°	2227.4	2599.6	3015.7	3444.3	3867.3	4308.7	4783.2	5272.3	5785.0	6303.4	6817.5
-42.5°	2079.9	2434.2	2811.6	3200.6	3590.5	3988.6	4403.9	4855.4	5308.6	5780.0	6253.4
-45°	1946.8	2260.2	2602.5	2962.8	3313.3	3669.7	4047.3	4433.8	4848.5	5257.2	5688.1
-47.5°	1806.4	2085.1	2402.9	2721.4	3045.5	3367.5	3690.4	4040.1	4393.7	4765.4	5123.5
-50°	1667.6	1923.1	2192.1	2489.1	2785.7	3074.9	3364.8	3654.1	3965.4	4285.9	4609.6
-52.5°	1548.9	1753.7	1999.2	2254.6	2529.2	2799.2	3051.9	3303.1	3563.0	3824.3	4110.0
-55°	1425.8	1609.2	1805.3	2033.5	2271.2	2522.7	2752.8	2973.3	3188.3	3419.2	3638.7
-57.5°	1314.0	1466.2	1631.0	1817.0	2027.8	2240.5	2454.1	2651.8	2846.8	3037.1	3219.3
-60°	1208.2	1329.2	1466.6	1621.5	1788.3	1977.5	2159.3	2343.0	2515.4	2671.5	2832.6
-62.5°	1099.6	1199.5	1308.2	1434.5	1577.3	1719.7	1879.3	2040.8	2197.9	2335.9	2463.3
-65°	981.7	1064.8	1154.2	1255.6	1367.7	1487.9	1613.0	1742.0	1881.6	1998.6	2105.3
-67.5°	858.3	929.1	1000.6	1075.3	1166.0	1260.7	1354.4	1462.0	1572.0	1669.5	1756.6
-70°	716.2	789.6	850.3	909.5	970.1	1040.9	1120.1	1198.1	1278.4	1366.2	1450.6
-72.5°	570.9	637.7	695.7	744.8	789.3	836.6	889.4	947.3	1019.3	1098.8	1171.2
-75°	434.9	487.2	539.2	584.5	616.2	639.7	661.6	696.8	765.1	844.7	914.0
-77.5°	306.0	353.7	395.2	430.5	449.5	466.3	480.0	490.5	542.6	610.8	678.5
-80°	192.9	221.2	258.8	292.1	306.6	314.1	317.5	317.0	357.5	411.5	468.2
-82.5°	108.3	130.6	151.9	172.2	177.5	177.6	175.9	176.5	208.5	245.2	282.8
-85°	34.8	39.9	55.5	70.5	77.7	82.2	84.2	83.8	97.5	113.3	130.4
-87.5°	17.5	20.0	22.7	25.5	25.7	25.8	25.6	25.2	26.2	27.3	28.2
-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: P627981 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-727-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°	29.2	30.0	30.8	31.6	32.3	32.9	33.5	34.0	34.4	32.6	30.7
85°	148.8	159.3	169.1	178.5	187.4	195.9	203.8	211.3	218.1	199.2	178.3
82.5°	321.2	347.0	371.4	395.8	420.0	426.2	428.0	427.2	423.8	390.6	353.8
80°	524.3	567.9	609.1	649.9	690.2	694.7	690.1	681.8	670.1	626.5	577.2
77.5°	746.0	800.9	849.1	893.1	933.3	940.8	939.7	937.7	934.4	890.0	836.2
75°	973.3	1027.1	1078.9	1123.0	1159.7	1176.6	1184.9	1190.8	1194.0	1162.1	1120.3
72.5°	1236.8	1292.7	1338.4	1381.2	1417.5	1443.7	1462.5	1476.7	1486.4	1476.7	1459.6
70°	1522.7	1582.7	1633.2	1681.5	1730.7	1770.1	1799.8	1821.3	1835.0	1844.0	1850.3
67.5°	1844.7	1925.2	1995.5	2055.5	2114.9	2170.6	2216.3	2253.7	2282.5	2307.1	2325.9
65°	2207.4	2310.3	2401.6	2485.4	2562.2	2643.0	2709.3	2764.9	2809.6	2846.6	2876.4
62.5°	2588.8	2714.9	2832.1	2945.8	3057.2	3166.9	3251.1	3327.8	3395.9	3454.6	3501.2
60°	2985.1	3128.4	3285.7	3435.8	3573.9	3700.0	3825.4	3933.9	4026.8	4103.9	4166.0
57.5°	3411.1	3596.7	3780.5	3966.9	4143.0	4307.9	4462.1	4598.3	4713.3	4807.6	4886.9
55°	3871.2	4103.5	4316.6	4551.7	4778.9	4985.8	5167.9	5327.9	5466.4	5582.3	5680.8
52.5°	4377.1	4659.2	4936.1	5203.7	5461.6	5701.6	5919.7	6106.1	6271.9	6414.0	6527.4
50°	4930.7	5253.5	5574.5	5872.1	6168.5	6445.0	6694.9	6911.2	7104.1	7271.2	7402.6
47.5°	5509.7	5877.1	6235.5	6576.2	6904.2	7211.6	7482.2	7728.8	7969.3	8165.5	8320.7
45°	6110.8	6523.0	6918.4	7308.0	7669.2	8013.6	8347.6	8654.6	8901.5	9117.6	9299.1
42.5°	6719.3	7179.1	7622.0	8046.9	8444.1	8842.5	9218.1	9553.7	9835.2	10081.0	10287.2
40°	7335.8	7839.2	8327.0	8790.3	9244.4	9678.8	10085.0	10438.9	10756.4	11048.3	11291.4
37.5°	7949.2	8502.9	9043.4	9562.5	10062.4	10532.9	10971.8	11371.8	11730.1	12062.5	12332.6
35°	8565.2	9172.7	9764.4	10335.6	10881.7	11400.9	11881.5	12336.7	12758.9	13095.6	13371.9
32.5°	9178.8	9832.0	10476.0	11104.8	11702.5	12262.3	12783.0	13285.9	13720.2	14090.3	14408.0
30°	9772.7	10480.3	11181.5	11863.3	12509.0	13115.6	13692.1	14223.9	14691.0	15095.8	15451.9
27.5°	10355.4	11115.6	11867.9	12596.3	13294.4	13953.6	14582.8	15159.4	15669.1	16109.1	16484.7
25°	10906.1	11723.2	12525.1	13297.4	14043.1	14770.2	15449.6	16078.8	16623.3	17106.3	17492.2
22.5°	11432.3	12303.6	13146.3	13958.7	14756.3	15540.0	16283.8	16940.9	17517.9	18022.8	18450.0
20°	11922.5	12856.2	13718.3	14577.5	15417.7	16254.5	17053.1	17746.4	18356.9	18894.5	19365.3
17.5°	12380.7	13338.4	14246.2	15160.9	16046.5	16924.3	17735.6	18478.8	19137.5	19708.3	20201.4
15°	12768.6	13735.8	14727.2	15703.8	16637.7	17526.6	18337.2	19113.3	19844.8	20462.1	20962.1
12.5°	13082.6	14088.6	15122.8	16159.6	17147.2	18035.0	18883.6	19671.0	20439.2	21132.6	21592.2
10°	13350.4	14386.2	15453.9	16511.2	17512.0	18451.4	19374.0	20206.5	20961.4	21582.3	22095.6
7.5°	13581.8	14648.8	15733.2	16792.2	17789.7	18760.3	19710.1	20594.2	21356.3	21941.3	22399.1
5°	13752.5	14844.8	15950.1	17019.0	18030.4	19004.1	19958.2	20831.2	21575.2	22170.4	22669.6
2.5°	13874.7	14977.2	16090.4	17160.8	18194.6	19170.8	20148.7	21031.6	21752.0	22297.4	22775.4
0°	13952.9	15057.0	16178.9	17274.2	18289.2	19233.1	20283.8	21111.9	21859.8	22403.0	22901.6
-2.5°	13874.7	14977.2	16090.4	17160.8	18194.6	19170.8	20148.7	21031.6	21752.0	22297.4	22775.4
-5°	13752.5	14844.8	15950.1	17019.0	18030.4	19004.1	19958.2	20831.2	21575.2	22170.4	22669.6
-7.5°	13581.8	14648.8	15733.2	16792.2	17789.7	18760.3	19710.1	20594.2	21356.3	21941.3	22399.1
-10°	13350.4	14386.2	15453.9	16511.2	17512.0	18451.4	19374.0	20206.5	20961.4	21582.3	22095.6
-12.5°	13082.6	14088.6	15122.8	16159.6	17147.2	18035.0	18883.6	19671.0	20439.2	21132.6	21592.2
-15°	12768.6	13735.8	14727.2	15703.8	16637.7	17526.6	18337.2	19113.3	19844.8	20462.1	20962.1
-17.5°	12380.7	13338.4	14246.2	15160.9	16046.5	16924.3	17735.6	18478.8	19137.5	19708.3	20201.4
-20°	11922.5	12856.2	13718.3	14577.5	15417.7	16254.5	17053.1	17746.4	18356.9	18894.5	19365.3



REPORT NUMBER: P627981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11432.3	12303.6	13146.3	13958.7	14756.3	15540.0	16283.8	16940.9	17517.9	18022.8	18450.0
-25°	10906.1	11723.2	12525.1	13297.4	14043.1	14770.2	15449.6	16078.8	16623.3	17106.3	17492.2
-27.5°	10355.4	11115.6	11867.9	12596.3	13294.4	13953.6	14582.8	15159.4	15669.1	16109.1	16484.7
-30°	9772.7	10480.3	11181.5	11863.3	12509.0	13115.6	13692.1	14223.9	14691.0	15095.8	15451.9
-32.5°	9178.8	9832.0	10476.0	11104.8	11702.5	12262.3	12783.0	13285.9	13720.2	14090.3	14408.0
-35°	8565.2	9172.7	9764.4	10335.6	10881.7	11400.9	11881.5	12336.7	12758.9	13095.6	13371.9
-37.5°	7949.2	8502.9	9043.4	9562.5	10062.4	10532.9	10971.8	11371.8	11730.1	12062.5	12332.6
-40°	7335.8	7839.2	8327.0	8790.3	9244.4	9678.8	10085.0	10438.9	10756.4	11048.3	11291.4
-42.5°	6719.3	7179.1	7622.0	8046.9	8444.1	8842.5	9218.1	9553.7	9835.2	10081.0	10287.2
-45°	6110.8	6523.0	6918.4	7308.0	7669.2	8013.6	8347.6	8654.6	8901.5	9117.6	9299.1
-47.5°	5509.7	5877.1	6235.5	6576.2	6904.2	7211.6	7482.2	7728.8	7969.3	8165.5	8320.7
-50°	4930.7	5253.5	5574.5	5872.1	6168.5	6445.0	6694.9	6911.2	7104.1	7271.2	7402.6
-52.5°	4377.1	4659.2	4936.1	5203.7	5461.6	5701.6	5919.7	6106.1	6271.9	6414.0	6527.4
-55°	3871.2	4103.5	4316.6	4551.7	4778.9	4985.8	5167.9	5327.9	5466.4	5582.3	5680.8
-57.5°	3411.1	3596.7	3780.5	3966.9	4143.0	4307.9	4462.1	4598.3	4713.3	4807.6	4886.9
-60°	2985.1	3128.4	3285.7	3435.8	3573.9	3700.0	3825.4	3933.9	4026.8	4103.9	4166.0
-62.5°	2588.8	2714.9	2832.1	2945.8	3057.2	3166.9	3251.1	3327.8	3395.9	3454.6	3501.2
-65°	2207.4	2310.3	2401.6	2485.4	2562.2	2643.0	2709.3	2764.9	2809.6	2846.6	2876.4
-67.5°	1844.7	1925.2	1995.5	2055.5	2114.9	2170.6	2216.3	2253.7	2282.5	2307.1	2325.9
-70°	1522.7	1582.7	1633.2	1681.5	1730.7	1770.1	1799.8	1821.3	1835.0	1844.0	1850.3
-72.5°	1236.8	1292.7	1338.4	1381.2	1417.5	1443.7	1462.5	1476.7	1486.4	1476.7	1459.6
-75°	973.3	1027.1	1078.9	1123.0	1159.7	1176.6	1184.9	1190.8	1194.0	1162.1	1120.3
-77.5°	746.0	800.9	849.1	893.1	933.3	940.8	939.7	937.7	934.4	890.0	836.2
-80°	524.3	567.9	609.1	649.9	690.2	694.7	690.1	681.8	670.1	626.5	577.2
-82.5°	321.2	347.0	371.4	395.8	420.0	426.2	428.0	427.2	423.8	390.6	353.8
-85°	148.8	159.3	169.1	178.5	187.4	195.9	203.8	211.3	218.1	199.2	178.3
-87.5°	29.2	30.0	30.8	31.6	32.3	32.9	33.5	34.0	34.4	32.6	30.7
-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: P627981 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-727-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°	28.7	26.6	26.7	26.7	26.7	26.6	28.7	30.7	32.6	34.4	34.0
85°	156.1	133.0	124.5	115.8	124.5	133.0	156.1	178.3	199.2	218.1	211.3
82.5°	315.2	275.1	262.4	249.3	262.4	275.1	315.2	353.8	390.6	423.8	427.2
80°	525.1	470.7	449.3	427.4	449.3	470.7	525.1	577.2	626.5	670.1	681.8
77.5°	779.3	719.5	694.0	667.8	694.0	719.5	779.3	836.2	890.0	934.4	937.7
75°	1076.2	1029.4	1001.1	970.6	1001.1	1029.4	1076.2	1120.3	1162.1	1194.0	1190.8
72.5°	1440.1	1417.2	1396.5	1371.2	1396.5	1417.2	1440.1	1459.6	1476.7	1486.4	1476.7
70°	1852.4	1849.5	1853.2	1852.1	1853.2	1849.5	1852.4	1850.3	1844.0	1835.0	1821.3
67.5°	2335.6	2336.3	2346.2	2350.7	2346.2	2336.3	2335.6	2325.9	2307.1	2282.5	2253.7
65°	2894.7	2901.5	2899.0	2885.0	2899.0	2901.5	2894.7	2876.4	2846.6	2809.6	2764.9
62.5°	3534.4	3553.6	3564.2	3561.7	3564.2	3553.6	3534.4	3501.2	3454.6	3395.9	3327.8
60°	4212.4	4242.5	4257.7	4256.2	4257.7	4242.5	4212.4	4166.0	4103.9	4026.8	3933.9
57.5°	4946.0	4984.6	4993.6	4977.5	4993.6	4984.6	4946.0	4886.9	4807.6	4713.3	4598.3
55°	5755.0	5804.5	5823.5	5814.4	5823.5	5804.5	5755.0	5680.8	5582.3	5466.4	5327.9
52.5°	6610.5	6664.0	6682.9	6669.2	6682.9	6664.0	6610.5	6527.4	6414.0	6271.9	6106.1
50°	7499.1	7563.8	7589.9	7577.5	7589.9	7563.8	7499.1	7402.6	7271.2	7104.1	6911.2
47.5°	8442.3	8528.4	8561.9	8539.1	8561.9	8528.4	8442.3	8320.7	8165.5	7969.3	7728.8
45°	9434.8	9524.1	9558.7	9536.4	9558.7	9524.1	9434.8	9299.1	9117.6	8901.5	8654.6
42.5°	10444.9	10561.0	10610.1	10569.3	10610.1	10561.0	10444.9	10287.2	10081.0	9835.2	9553.7
40°	11473.0	11598.9	11657.1	11628.9	11657.1	11598.9	11473.0	11291.4	11048.3	10756.4	10438.9
37.5°	12527.4	12652.8	12714.4	12715.2	12714.4	12652.8	12527.4	12332.6	12062.5	11730.1	11371.8
35°	13585.8	13737.6	13823.4	13819.3	13823.4	13737.6	13585.8	13371.9	13095.6	12758.9	12336.7
32.5°	14659.0	14823.3	14911.1	14923.4	14911.1	14823.3	14659.0	14408.0	14090.3	13720.2	13285.9
30°	15730.3	15911.0	16012.6	16054.3	16012.6	15911.0	15730.3	15451.9	15095.8	14691.0	14223.9
27.5°	16769.3	16991.6	17145.0	17158.4	17145.0	16991.6	16769.3	16484.7	16109.1	15669.1	15159.4
25°	17775.5	18001.9	18159.3	18191.3	18159.3	18001.9	17775.5	17492.2	17106.3	16623.3	16078.8
22.5°	18767.3	19003.9	19149.2	19206.4	19149.2	19003.9	18767.3	18450.0	18022.8	17517.9	16940.9
20°	19714.0	19970.5	20124.5	20185.8	20124.5	19970.5	19714.0	19365.3	18894.5	18356.9	17746.4
17.5°	20570.5	20841.5	21031.7	21085.2	21031.7	20841.5	20570.5	20201.4	19708.3	19137.5	18478.8
15°	21324.3	21581.3	21761.8	21833.1	21761.8	21581.3	21324.3	20962.1	20462.1	19844.8	19113.3
12.5°	21937.8	22167.7	22309.1	22376.3	22309.1	22167.7	21937.8	21592.2	21132.6	20439.2	19671.0
10°	22417.1	22647.7	22782.8	22874.9	22782.8	22647.7	22417.1	22095.6	21582.3	20961.4	20206.5
7.5°	22833.1	23069.4	23234.7	23364.6	23234.7	23069.4	22833.1	22399.1	21941.3	21356.3	20594.2
5°	23062.7	23457.4	23516.7	23605.0	23516.7	23457.4	23062.7	22669.6	22170.4	21575.2	20831.2
2.5°	23237.9	23517.7	23685.9	23667.4	23685.9	23517.7	23237.9	22775.4	22297.4	21752.0	21031.6
0°	23364.6	23614.0	23676.3	23756.4	23676.3	23614.0	23364.6	22901.6	22403.0	21859.8	21111.9
-2.5°	23237.9	23517.7	23685.9	23667.4	23685.9	23517.7	23237.9	22775.4	22297.4	21752.0	21031.6
-5°	23062.7	23457.4	23516.7	23605.0	23516.7	23457.4	23062.7	22669.6	22170.4	21575.2	20831.2
-7.5°	22833.1	23069.4	23234.7	23364.6	23234.7	23069.4	22833.1	22399.1	21941.3	21356.3	20594.2
-10°	22417.1	22647.7	22782.8	22874.9	22782.8	22647.7	22417.1	22095.6	21582.3	20961.4	20206.5
-12.5°	21937.8	22167.7	22309.1	22376.3	22309.1	22167.7	21937.8	21592.2	21132.6	20439.2	19671.0
-15°	21324.3	21581.3	21761.8	21833.1	21761.8	21581.3	21324.3	20962.1	20462.1	19844.8	19113.3
-17.5°	20570.5	20841.5	21031.7	21085.2	21031.7	20841.5	20570.5	20201.4	19708.3	19137.5	18478.8
-20°	19714.0	19970.5	20124.5	20185.8	20124.5	19970.5	19714.0	19365.3	18894.5	18356.9	17746.4



REPORT NUMBER: P627981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-727-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°	18767.3	19003.9	19149.2	19206.4	19149.2	19003.9	18767.3	18450.0	18022.8	17517.9	16940.9
-25°	17775.5	18001.9	18159.3	18191.3	18159.3	18001.9	17775.5	17492.2	17106.3	16623.3	16078.8
-27.5°	16769.3	16991.6	17145.0	17158.4	17145.0	16991.6	16769.3	16484.7	16109.1	15669.1	15159.4
-30°	15730.3	15911.0	16012.6	16054.3	16012.6	15911.0	15730.3	15451.9	15095.8	14691.0	14223.9
-32.5°	14659.0	14823.3	14911.1	14923.4	14911.1	14823.3	14659.0	14408.0	14090.3	13720.2	13285.9
-35°	13585.8	13737.6	13823.4	13819.3	13823.4	13737.6	13585.8	13371.9	13095.6	12758.9	12336.7
-37.5°	12527.4	12652.8	12714.4	12715.2	12714.4	12652.8	12527.4	12332.6	12062.5	11730.1	11371.8
-40°	11473.0	11598.9	11657.1	11628.9	11657.1	11598.9	11473.0	11291.4	11048.3	10756.4	10438.9
-42.5°	10444.9	10561.0	10610.1	10569.3	10610.1	10561.0	10444.9	10287.2	10081.0	9835.2	9553.7
-45°	9434.8	9524.1	9558.7	9536.4	9558.7	9524.1	9434.8	9299.1	9117.6	8901.5	8654.6
-47.5°	8442.3	8528.4	8561.9	8539.1	8561.9	8528.4	8442.3	8320.7	8165.5	7969.3	7728.8
-50°	7499.1	7563.8	7589.9	7577.5	7589.9	7563.8	7499.1	7402.6	7271.2	7104.1	6911.2
-52.5°	6610.5	6664.0	6682.9	6669.2	6682.9	6664.0	6610.5	6527.4	6414.0	6271.9	6106.1
-55°	5755.0	5804.5	5823.5	5814.4	5823.5	5804.5	5755.0	5680.8	5582.3	5466.4	5327.9
-57.5°	4946.0	4984.6	4993.6	4977.5	4993.6	4984.6	4946.0	4886.9	4807.6	4713.3	4598.3
-60°	4212.4	4242.5	4257.7	4256.2	4257.7	4242.5	4212.4	4166.0	4103.9	4026.8	3933.9
-62.5°	3534.4	3553.6	3564.2	3561.7	3564.2	3553.6	3534.4	3501.2	3454.6	3395.9	3327.8
-65°	2894.7	2901.5	2899.0	2885.0	2899.0	2901.5	2894.7	2876.4	2846.6	2809.6	2764.9
-67.5°	2335.6	2336.3	2346.2	2350.7	2346.2	2336.3	2335.6	2325.9	2307.1	2282.5	2253.7
-70°	1852.4	1849.5	1853.2	1852.1	1853.2	1849.5	1852.4	1850.3	1844.0	1835.0	1821.3
-72.5°	1440.1	1417.2	1396.5	1371.2	1396.5	1417.2	1440.1	1459.6	1476.7	1486.4	1476.7
-75°	1076.2	1029.4	1001.1	970.6	1001.1	1029.4	1076.2	1120.3	1162.1	1194.0	1190.8
-77.5°	779.3	719.5	694.0	667.8	694.0	719.5	779.3	836.2	890.0	934.4	937.7
-80°	525.1	470.7	449.3	427.4	449.3	470.7	525.1	577.2	626.5	670.1	681.8
-82.5°	315.2	275.1	262.4	249.3	262.4	275.1	315.2	353.8	390.6	423.8	427.2
-85°	156.1	133.0	124.5	115.8	124.5	133.0	156.1	178.3	199.2	218.1	211.3
-87.5°	28.7	26.6	26.7	26.7	26.7	26.6	28.7	30.7	32.6	34.4	34.0
-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: P627981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-727-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°	33.5	32.9	32.3	31.6	30.8	30.0	29.2	28.2	27.3	26.2	25.2
85°	203.8	195.9	187.4	178.5	169.1	159.3	148.8	130.4	113.3	97.5	83.8
82.5°	428.0	426.2	420.0	395.8	371.4	347.0	321.2	282.8	245.2	208.5	176.5
80°	690.1	694.7	690.2	649.9	609.1	567.9	524.3	468.2	411.5	357.5	317.0
77.5°	939.7	940.8	933.3	893.1	849.1	800.9	746.0	678.5	610.8	542.6	490.5
75°	1184.9	1176.6	1159.7	1123.0	1078.9	1027.1	973.3	914.0	844.7	765.1	696.8
72.5°	1462.5	1443.7	1417.5	1381.2	1338.4	1292.7	1236.8	1171.2	1098.8	1019.3	947.3
70°	1799.8	1770.1	1730.7	1681.5	1633.2	1582.7	1522.7	1450.6	1366.2	1278.4	1198.1
67.5°	2216.3	2170.6	2114.9	2055.5	1995.5	1925.2	1844.7	1756.6	1669.5	1572.0	1462.0
65°	2709.3	2643.0	2562.2	2485.4	2401.6	2310.3	2207.4	2105.3	1998.6	1881.6	1742.0
62.5°	3251.1	3166.9	3057.2	2945.8	2832.1	2714.9	2588.8	2463.3	2335.9	2197.9	2040.8
60°	3825.4	3700.0	3573.9	3435.8	3285.7	3128.4	2985.1	2832.6	2671.5	2515.4	2343.0
57.5°	4462.1	4307.9	4143.0	3966.9	3780.5	3596.7	3411.1	3219.3	3037.1	2846.8	2651.8
55°	5167.9	4985.8	4778.9	4551.7	4316.6	4103.5	3871.2	3638.7	3419.2	3188.3	2973.3
52.5°	5919.7	5701.6	5461.6	5203.7	4936.1	4659.2	4377.1	4110.0	3824.3	3563.0	3303.1
50°	6694.9	6445.0	6168.5	5872.1	5574.5	5253.5	4930.7	4609.6	4285.9	3965.4	3654.1
47.5°	7482.2	7211.6	6904.2	6576.2	6235.5	5877.1	5509.7	5123.5	4765.4	4393.7	4040.1
45°	8347.6	8013.6	7669.2	7308.0	6918.4	6523.0	6110.8	5688.1	5257.2	4848.5	4433.8
42.5°	9218.1	8842.5	8444.1	8046.9	7622.0	7179.1	6719.3	6253.4	5780.0	5308.6	4855.4
40°	10085.0	9678.8	9244.4	8790.3	8327.0	7839.2	7335.8	6817.5	6303.4	5785.0	5272.3
37.5°	10971.8	10532.9	10062.4	9562.5	9043.4	8502.9	7949.2	7388.1	6821.1	6263.2	5707.2
35°	11881.5	11400.9	10881.7	10335.6	9764.4	9172.7	8565.2	7950.8	7340.9	6737.5	6135.0
32.5°	12783.0	12262.3	11702.5	11104.8	10476.0	9832.0	9178.8	8515.3	7847.8	7203.5	6561.8
30°	13692.1	13115.6	12509.0	11863.3	11181.5	10480.3	9772.7	9069.7	8358.3	7649.4	6970.6
27.5°	14582.8	13953.6	13294.4	12596.3	11867.9	11115.6	10355.4	9605.1	8846.2	8092.5	7360.7
25°	15449.6	14770.2	14043.1	13297.4	12525.1	11723.2	10906.1	10112.3	9319.9	8513.3	7710.7
22.5°	16283.8	15540.0	14756.3	13958.7	13146.3	12303.6	11432.3	10576.9	9756.8	8890.6	8051.9
20°	17053.1	16254.5	15417.7	14577.5	13718.3	12856.2	11922.5	11012.6	10130.5	9241.2	8361.2
17.5°	17735.6	16924.3	16046.5	15160.9	14246.2	13338.4	12380.7	11409.0	10474.4	9552.6	8633.5
15°	18337.2	17526.6	16637.7	15703.8	14727.2	13735.8	12768.6	11759.4	10787.8	9828.0	8885.2
12.5°	18883.6	18035.0	17147.2	16159.6	15122.8	14088.6	13082.6	12066.4	11066.6	10079.9	9111.7
10°	19374.0	18451.4	17512.0	16511.2	15453.9	14386.2	13350.4	12324.5	11303.8	10295.6	9298.3
7.5°	19710.1	18760.3	17789.7	16792.2	15733.2	14648.8	13581.8	12531.9	11488.7	10467.4	9444.0
5°	19958.2	19004.1	18030.4	17019.0	15950.1	14844.8	13752.5	12682.3	11620.4	10593.1	9547.7
2.5°	20148.7	19170.8	18194.6	17160.8	16090.4	14977.2	13874.7	12795.4	11725.0	10685.2	9639.4
0°	20283.8	19233.1	18289.2	17274.2	16178.9	15057.0	13952.9	12866.6	11789.2	10729.6	9687.8
-2.5°	20148.7	19170.8	18194.6	17160.8	16090.4	14977.2	13874.7	12795.4	11725.0	10685.2	9639.4
-5°	19958.2	19004.1	18030.4	17019.0	15950.1	14844.8	13752.5	12682.3	11620.4	10593.1	9547.7
-7.5°	19710.1	18760.3	17789.7	16792.2	15733.2	14648.8	13581.8	12531.9	11488.7	10467.4	9444.0
-10°	19374.0	18451.4	17512.0	16511.2	15453.9	14386.2	13350.4	12324.5	11303.8	10295.6	9298.3
-12.5°	18883.6	18035.0	17147.2	16159.6	15122.8	14088.6	13082.6	12066.4	11066.6	10079.9	9111.7
-15°	18337.2	17526.6	16637.7	15703.8	14727.2	13735.8	12768.6	11759.4	10787.8	9828.0	8885.2
-17.5°	17735.6	16924.3	16046.5	15160.9	14246.2	13338.4	12380.7	11409.0	10474.4	9552.6	8633.5
-20°	17053.1	16254.5	15417.7	14577.5	13718.3	12856.2	11922.5	11012.6	10130.5	9241.2	8361.2



REPORT NUMBER: P627981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16283.8	15540.0	14756.3	13958.7	13146.3	12303.6	11432.3	10576.9	9756.8	8890.6	8051.9
-25°	15449.6	14770.2	14043.1	13297.4	12525.1	11723.2	10906.1	10112.3	9319.9	8513.3	7710.7
-27.5°	14582.8	13953.6	13294.4	12596.3	11867.9	11115.6	10355.4	9605.1	8846.2	8092.5	7360.7
-30°	13692.1	13115.6	12509.0	11863.3	11181.5	10480.3	9772.7	9069.7	8358.3	7649.4	6970.6
-32.5°	12783.0	12262.3	11702.5	11104.8	10476.0	9832.0	9178.8	8515.3	7847.8	7203.5	6561.8
-35°	11881.5	11400.9	10881.7	10335.6	9764.4	9172.7	8565.2	7950.8	7340.9	6737.5	6135.0
-37.5°	10971.8	10532.9	10062.4	9562.5	9043.4	8502.9	7949.2	7388.1	6821.1	6263.2	5707.2
-40°	10085.0	9678.8	9244.4	8790.3	8327.0	7839.2	7335.8	6817.5	6303.4	5785.0	5272.3
-42.5°	9218.1	8842.5	8444.1	8046.9	7622.0	7179.1	6719.3	6253.4	5780.0	5308.6	4855.4
-45°	8347.6	8013.6	7669.2	7308.0	6918.4	6523.0	6110.8	5688.1	5257.2	4848.5	4433.8
-47.5°	7482.2	7211.6	6904.2	6576.2	6235.5	5877.1	5509.7	5123.5	4765.4	4393.7	4040.1
-50°	6694.9	6445.0	6168.5	5872.1	5574.5	5253.5	4930.7	4609.6	4285.9	3965.4	3654.1
-52.5°	5919.7	5701.6	5461.6	5203.7	4936.1	4659.2	4377.1	4110.0	3824.3	3563.0	3303.1
-55°	5167.9	4985.8	4778.9	4551.7	4316.6	4103.5	3871.2	3638.7	3419.2	3188.3	2973.3
-57.5°	4462.1	4307.9	4143.0	3966.9	3780.5	3596.7	3411.1	3219.3	3037.1	2846.8	2651.8
-60°	3825.4	3700.0	3573.9	3435.8	3285.7	3128.4	2985.1	2832.6	2671.5	2515.4	2343.0
-62.5°	3251.1	3166.9	3057.2	2945.8	2832.1	2714.9	2588.8	2463.3	2335.9	2197.9	2040.8
-65°	2709.3	2643.0	2562.2	2485.4	2401.6	2310.3	2207.4	2105.3	1998.6	1881.6	1742.0
-67.5°	2216.3	2170.6	2114.9	2055.5	1995.5	1925.2	1844.7	1756.6	1669.5	1572.0	1462.0
-70°	1799.8	1770.1	1730.7	1681.5	1633.2	1582.7	1522.7	1450.6	1366.2	1278.4	1198.1
-72.5°	1462.5	1443.7	1417.5	1381.2	1338.4	1292.7	1236.8	1171.2	1098.8	1019.3	947.3
-75°	1184.9	1176.6	1159.7	1123.0	1078.9	1027.1	973.3	914.0	844.7	765.1	696.8
-77.5°	939.7	940.8	933.3	893.1	849.1	800.9	746.0	678.5	610.8	542.6	490.5
-80°	690.1	694.7	690.2	649.9	609.1	567.9	524.3	468.2	411.5	357.5	317.0
-82.5°	428.0	426.2	420.0	395.8	371.4	347.0	321.2	282.8	245.2	208.5	176.5
-85°	203.8	195.9	187.4	178.5	169.1	159.3	148.8	130.4	113.3	97.5	83.8
-87.5°	33.5	32.9	32.3	31.6	30.8	30.0	29.2	28.2	27.3	26.2	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: P627981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-727-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°	25.6	25.8	25.7	25.5	22.7	20.0	17.5	15.0	13.6	12.2	10.7
85°	84.2	82.2	77.7	70.5	55.5	39.9	34.8	30.1	27.2	24.3	21.4
82.5°	175.9	177.6	177.5	172.2	151.9	130.6	108.3	85.2	63.1	40.1	32.0
80°	317.5	314.1	306.6	292.1	258.8	221.2	192.9	163.6	134.9	105.0	73.9
77.5°	480.0	466.3	449.5	430.5	395.2	353.7	306.0	252.0	206.4	169.5	131.2
75°	661.6	639.7	616.2	584.5	539.2	487.2	434.9	371.9	302.0	236.1	188.1
72.5°	889.4	836.6	789.3	744.8	695.7	637.7	570.9	489.7	404.8	324.5	249.3
70°	1120.1	1040.9	970.1	909.5	850.3	789.6	716.2	616.2	505.7	411.2	322.6
67.5°	1354.4	1260.7	1166.0	1075.3	1000.6	929.1	858.3	742.0	615.4	496.0	394.3
65°	1613.0	1487.9	1367.7	1255.6	1154.2	1064.8	981.7	859.8	721.8	587.6	464.0
62.5°	1879.3	1719.7	1577.3	1434.5	1308.2	1199.5	1099.6	965.1	823.5	676.1	536.8
60°	2159.3	1977.5	1788.3	1621.5	1466.6	1329.2	1208.2	1069.0	918.7	761.3	609.2
57.5°	2454.1	2240.5	2027.8	1817.0	1631.0	1466.2	1314.0	1167.5	1012.2	845.3	676.5
55°	2752.8	2522.7	2271.2	2033.5	1805.3	1609.2	1425.8	1262.0	1102.5	927.9	734.7
52.5°	3051.9	2799.2	2529.2	2254.6	1999.2	1753.7	1548.9	1354.0	1185.7	1008.6	795.3
50°	3364.8	3074.9	2785.7	2489.1	2192.1	1923.1	1667.6	1459.6	1266.3	1085.2	852.7
47.5°	3690.4	3367.5	3045.5	2721.4	2402.9	2085.1	1806.4	1562.9	1344.4	1154.6	906.1
45°	4047.3	3669.7	3313.3	2962.8	2602.5	2260.2	1946.8	1661.9	1432.8	1208.6	955.4
42.5°	4403.9	3988.6	3590.5	3200.6	2811.6	2434.2	2079.9	1778.4	1517.3	1260.3	1000.6
40°	4783.2	4308.7	3867.3	3444.3	3015.7	2599.6	2227.4	1891.9	1596.5	1314.0	1043.5
37.5°	5152.1	4636.8	4151.7	3677.0	3215.7	2778.3	2369.1	1998.3	1671.7	1374.3	1084.2
35°	5542.4	4966.4	4414.7	3911.3	3421.6	2947.8	2501.8	2105.6	1758.3	1433.1	1122.5
32.5°	5919.6	5288.7	4697.0	4142.3	3618.2	3107.5	2638.4	2219.2	1841.4	1490.1	1158.3
30°	6290.4	5612.2	4967.5	4360.8	3808.7	3275.1	2775.3	2325.4	1920.9	1545.1	1194.2
27.5°	6632.1	5911.8	5226.8	4586.6	3995.8	3434.1	2904.6	2423.9	1996.4	1601.8	1235.9
25°	6950.4	6200.1	5482.4	4803.9	4169.6	3584.6	3023.7	2515.0	2073.2	1660.8	1274.6
22.5°	7249.0	6467.8	5714.1	5004.1	4330.4	3722.9	3139.8	2612.0	2145.9	1715.2	1310.0
20°	7520.5	6708.8	5921.6	5185.5	4487.0	3854.6	3251.5	2699.0	2210.9	1764.5	1341.9
17.5°	7765.1	6929.1	6119.7	5355.1	4632.7	3971.6	3350.8	2775.7	2267.9	1808.5	1370.0
15°	7992.1	7129.4	6294.7	5503.1	4758.9	4073.5	3437.1	2841.9	2316.8	1846.7	1396.8
12.5°	8187.2	7301.1	6443.2	5628.9	4865.2	4159.8	3510.1	2897.3	2357.4	1881.2	1421.9
10°	8347.9	7443.1	6564.5	5731.8	4951.2	4230.1	3569.5	2943.9	2395.5	1911.1	1441.3
7.5°	8473.0	7554.3	6657.9	5811.1	5019.4	4288.8	3620.0	2984.3	2426.2	1934.1	1454.9
5°	8567.7	7641.1	6739.2	5877.6	5082.1	4336.2	3656.8	3013.1	2448.4	1949.9	1462.6
2.5°	8651.9	7706.2	6803.1	5920.7	5124.7	4367.1	3678.9	3030.5	2461.9	1958.2	1464.4
0°	8699.4	7737.8	6838.4	5939.1	5146.6	4380.9	3686.3	3036.3	2466.5	1958.9	1460.3
-2.5°	8651.9	7706.2	6803.1	5920.7	5124.7	4367.1	3678.9	3030.5	2461.9	1958.2	1464.4
-5°	8567.7	7641.1	6739.2	5877.6	5082.1	4336.2	3656.8	3013.1	2448.4	1949.9	1462.6
-7.5°	8473.0	7554.3	6657.9	5811.1	5019.4	4288.8	3620.0	2984.3	2426.2	1934.1	1454.9
-10°	8347.9	7443.1	6564.5	5731.8	4951.2	4230.1	3569.5	2943.9	2395.5	1911.1	1441.3
-12.5°	8187.2	7301.1	6443.2	5628.9	4865.2	4159.8	3510.1	2897.3	2357.4	1881.2	1421.9
-15°	7992.1	7129.4	6294.7	5503.1	4758.9	4073.5	3437.1	2841.9	2316.8	1846.7	1396.8
-17.5°	7765.1	6929.1	6119.7	5355.1	4632.7	3971.6	3350.8	2775.7	2267.9	1808.5	1370.0
-20°	7520.5	6708.8	5921.6	5185.5	4487.0	3854.6	3251.5	2699.0	2210.9	1764.5	1341.9



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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°	7249.0	6467.8	5714.1	5004.1	4330.4	3722.9	3139.8	2612.0	2145.9	1715.2	1310.0
-25°	6950.4	6200.1	5482.4	4803.9	4169.6	3584.6	3023.7	2515.0	2073.2	1660.8	1274.6
-27.5°	6632.1	5911.8	5226.8	4586.6	3995.8	3434.1	2904.6	2423.9	1996.4	1601.8	1235.9
-30°	6290.4	5612.2	4967.5	4360.8	3808.7	3275.1	2775.3	2325.4	1920.9	1545.1	1194.2
-32.5°	5919.6	5288.7	4697.0	4142.3	3618.2	3107.5	2638.4	2219.2	1841.4	1490.1	1158.3
-35°	5542.4	4966.4	4414.7	3911.3	3421.6	2947.8	2501.8	2105.6	1758.3	1433.1	1122.5
-37.5°	5152.1	4636.8	4151.7	3677.0	3215.7	2778.3	2369.1	1998.3	1671.7	1374.3	1084.2
-40°	4783.2	4308.7	3867.3	3444.3	3015.7	2599.6	2227.4	1891.9	1596.5	1314.0	1043.5
-42.5°	4403.9	3988.6	3590.5	3200.6	2811.6	2434.2	2079.9	1778.4	1517.3	1260.3	1000.6
-45°	4047.3	3669.7	3313.3	2962.8	2602.5	2260.2	1946.8	1661.9	1432.8	1208.6	955.4
-47.5°	3690.4	3367.5	3045.5	2721.4	2402.9	2085.1	1806.4	1562.9	1344.4	1154.6	906.1
-50°	3364.8	3074.9	2785.7	2489.1	2192.1	1923.1	1667.6	1459.6	1266.3	1085.2	852.7
-52.5°	3051.9	2799.2	2529.2	2254.6	1999.2	1753.7	1548.9	1354.0	1185.7	1008.6	795.3
-55°	2752.8	2522.7	2271.2	2033.5	1805.3	1609.2	1425.8	1262.0	1102.5	927.9	734.7
-57.5°	2454.1	2240.5	2027.8	1817.0	1631.0	1466.2	1314.0	1167.5	1012.2	845.3	676.5
-60°	2159.3	1977.5	1788.3	1621.5	1466.6	1329.2	1208.2	1069.0	918.7	761.3	609.2
-62.5°	1879.3	1719.7	1577.3	1434.5	1308.2	1199.5	1099.6	965.1	823.5	676.1	536.8
-65°	1613.0	1487.9	1367.7	1255.6	1154.2	1064.8	981.7	859.8	721.8	587.6	464.0
-67.5°	1354.4	1260.7	1166.0	1075.3	1000.6	929.1	858.3	742.0	615.4	496.0	394.3
-70°	1120.1	1040.9	970.1	909.5	850.3	789.6	716.2	616.2	505.7	411.2	322.6
-72.5°	889.4	836.6	789.3	744.8	695.7	637.7	570.9	489.7	404.8	324.5	249.3
-75°	661.6	639.7	616.2	584.5	539.2	487.2	434.9	371.9	302.0	236.1	188.1
-77.5°	480.0	466.3	449.5	430.5	395.2	353.7	306.0	252.0	206.4	169.5	131.2
-80°	317.5	314.1	306.6	292.1	258.8	221.2	192.9	163.6	134.9	105.0	73.9
-82.5°	175.9	177.6	177.5	172.2	151.9	130.6	108.3	85.2	63.1	40.1	32.0
-85°	84.2	82.2	77.7	70.5	55.5	39.9	34.8	30.1	27.2	24.3	21.4
-87.5°	25.6	25.8	25.7	25.5	22.7	20.0	17.5	15.0	13.6	12.2	10.7
-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°	9.2	7.7	6.2	4.6	3.1	1.4	0.0
85°	18.4	15.4	12.3	9.3	6.2	2.7	0.0
82.5°	27.6	23.1	18.5	13.9	9.3	4.1	0.0
80°	41.5	30.7	24.6	18.5	12.3	5.4	0.0
77.5°	90.4	48.1	30.7	23.1	15.3	6.7	0.0
75°	138.1	83.2	40.0	27.6	18.3	8.0	0.0
72.5°	184.4	117.3	63.7	32.0	21.1	9.3	0.0
70°	230.6	150.3	86.7	38.4	24.0	10.6	0.0
67.5°	286.1	181.8	108.8	52.6	26.7	11.8	0.0
65°	339.1	217.1	129.9	66.2	29.4	13.0	0.0
62.5°	389.5	255.8	149.9	79.3	31.9	14.1	0.0
60°	436.9	292.3	168.6	91.6	34.4	15.3	0.0
57.5°	486.9	326.7	193.6	103.2	41.3	16.4	0.0
55°	534.3	358.6	217.5	114.0	48.1	17.4	0.0
52.5°	578.2	389.0	239.7	124.0	54.6	18.4	0.0
50°	618.4	421.2	260.1	133.1	60.8	19.4	0.0
47.5°	656.0	450.6	278.7	142.6	66.8	20.3	0.0
45°	697.9	477.1	295.4	155.0	72.4	21.1	0.0
42.5°	736.2	500.7	310.3	166.2	77.8	21.9	0.0
40°	771.1	521.4	325.2	177.6	82.8	22.6	0.0
37.5°	802.2	539.0	340.0	189.0	87.5	23.3	0.0
35°	829.7	559.3	352.7	199.5	91.9	24.0	0.0
32.5°	855.2	579.7	363.3	209.2	95.9	24.5	0.0
30°	881.6	597.0	371.8	218.1	99.6	25.0	0.0
27.5°	905.4	611.4	384.5	226.2	102.9	25.5	0.0
25°	926.3	622.8	396.4	233.4	105.9	25.9	0.0
22.5°	944.2	634.3	407.0	239.7	108.5	26.2	0.0
20°	959.0	650.1	416.0	245.2	110.8	26.5	0.0
17.5°	977.5	663.0	423.6	249.9	112.6	26.7	0.0
15°	996.7	673.0	429.8	253.6	114.2	26.9	0.0
12.5°	1012.4	680.2	434.4	256.5	115.3	27.0	0.0
10°	1024.3	684.7	437.7	258.6	116.1	27.1	0.0
7.5°	1032.4	686.5	439.4	259.7	116.6	27.0	0.0
5°	1036.6	685.7	439.8	260.1	116.7	27.0	0.0
2.5°	1036.8	682.4	438.7	259.5	116.4	26.9	0.0
0°	1032.9	676.7	436.3	258.2	115.8	26.7	0.0
-2.5°	1036.8	682.4	438.7	259.5	116.4	26.9	0.0
-5°	1036.6	685.7	439.8	260.1	116.7	27.0	0.0
-7.5°	1032.4	686.5	439.4	259.7	116.6	27.0	0.0
-10°	1024.3	684.7	437.7	258.6	116.1	27.1	0.0
-12.5°	1012.4	680.2	434.4	256.5	115.3	27.0	0.0
-15°	996.7	673.0	429.8	253.6	114.2	26.9	0.0
-17.5°	977.5	663.0	423.6	249.9	112.6	26.7	0.0
-20°	959.0	650.1	416.0	245.2	110.8	26.5	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	944.2	634.3	407.0	239.7	108.5	26.2	0.0
-25°	926.3	622.8	396.4	233.4	105.9	25.9	0.0
-27.5°	905.4	611.4	384.5	226.2	102.9	25.5	0.0
-30°	881.6	597.0	371.8	218.1	99.6	25.0	0.0
-32.5°	855.2	579.7	363.3	209.2	95.9	24.5	0.0
-35°	829.7	559.3	352.7	199.5	91.9	24.0	0.0
-37.5°	802.2	539.0	340.0	189.0	87.5	23.3	0.0
-40°	771.1	521.4	325.2	177.6	82.8	22.6	0.0
-42.5°	736.2	500.7	310.3	166.2	77.8	21.9	0.0
-45°	697.9	477.1	295.4	155.0	72.4	21.1	0.0
-47.5°	656.0	450.6	278.7	142.6	66.8	20.3	0.0
-50°	618.4	421.2	260.1	133.1	60.8	19.4	0.0
-52.5°	578.2	389.0	239.7	124.0	54.6	18.4	0.0
-55°	534.3	358.6	217.5	114.0	48.1	17.4	0.0
-57.5°	486.9	326.7	193.6	103.2	41.3	16.4	0.0
-60°	436.9	292.3	168.6	91.6	34.4	15.3	0.0
-62.5°	389.5	255.8	149.9	79.3	31.9	14.1	0.0
-65°	339.1	217.1	129.9	66.2	29.4	13.0	0.0
-67.5°	286.1	181.8	108.8	52.6	26.7	11.8	0.0
-70°	230.6	150.3	86.7	38.4	24.0	10.6	0.0
-72.5°	184.4	117.3	63.7	32.0	21.1	9.3	0.0
-75°	138.1	83.2	40.0	27.6	18.3	8.0	0.0
-77.5°	90.4	48.1	30.7	23.1	15.3	6.7	0.0
-80°	41.5	30.7	24.6	18.5	12.3	5.4	0.0
-82.5°	27.6	23.1	18.5	13.9	9.3	4.1	0.0
-85°	18.4	15.4	12.3	9.3	6.2	2.7	0.0
-87.5°	9.2	7.7	6.2	4.6	3.1	1.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)