

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: P558710 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA2D-940-U-NAT-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558710 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA2D-940-U-NAT-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, NARROW ASYMMETRICAL RECTANGULAR 6x4
Light Source: (32) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

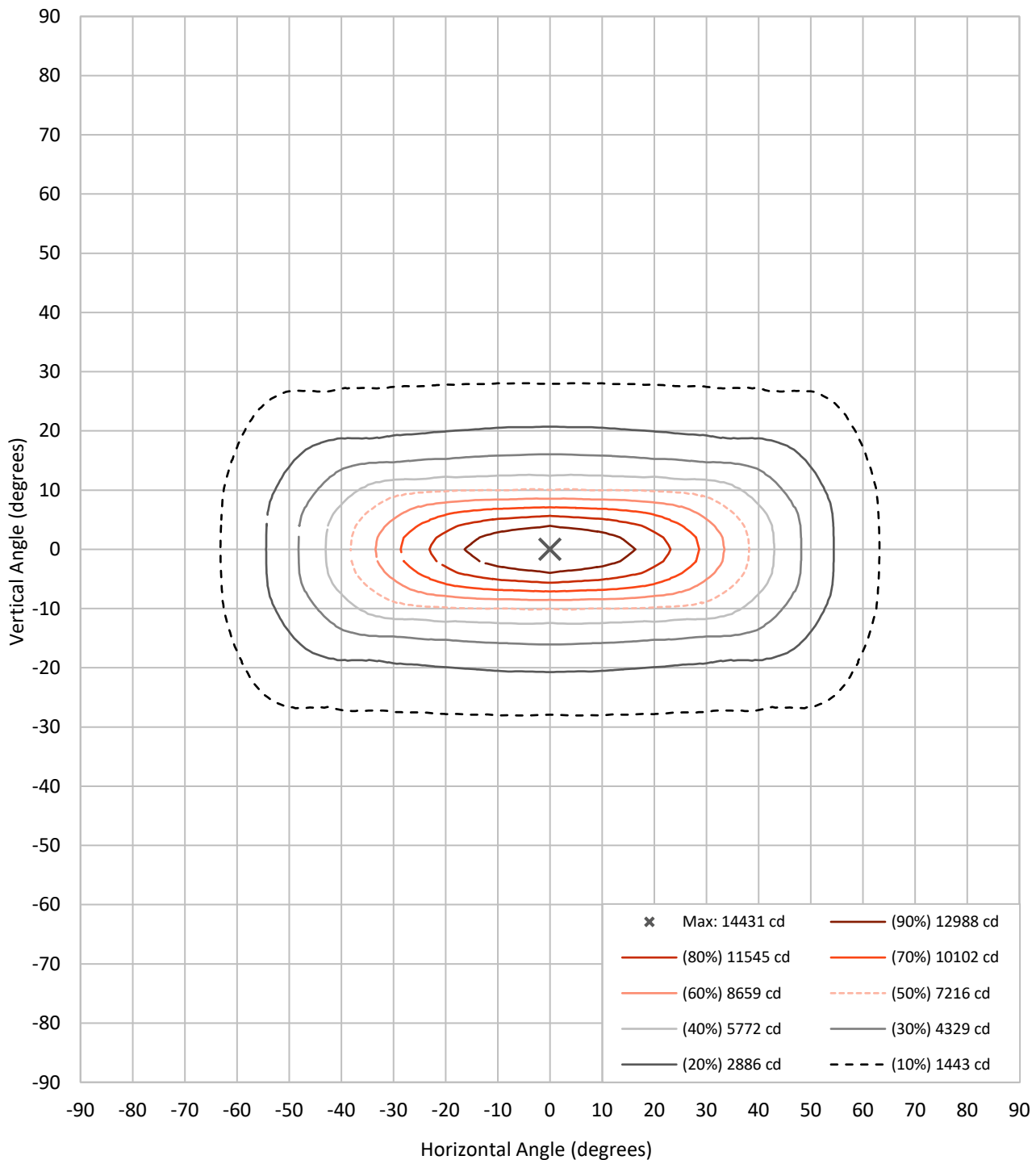
Lumens per Lamp: N/A	NEMA Type: 6H x 4V
Luminaire Lumens: 10335.2 lumens	Max Intensity: 14431 candela
Efficiency: N/A	Max Intensity Angle: 0°H x 0°V
Efficacy: 94.0 lumens/watt	
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')	
Beam Angle (50%): 76.4°H x 20°V	Field Angle (10%): 126.3°H x 55.8°V
Beam Lumens: 4135.1 lumens	Field Lumens: 8470.8 lumens
Beam Efficiency: 40.0%	Field Efficiency: 82.0%

Input Watts (W): 110
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: P558710 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





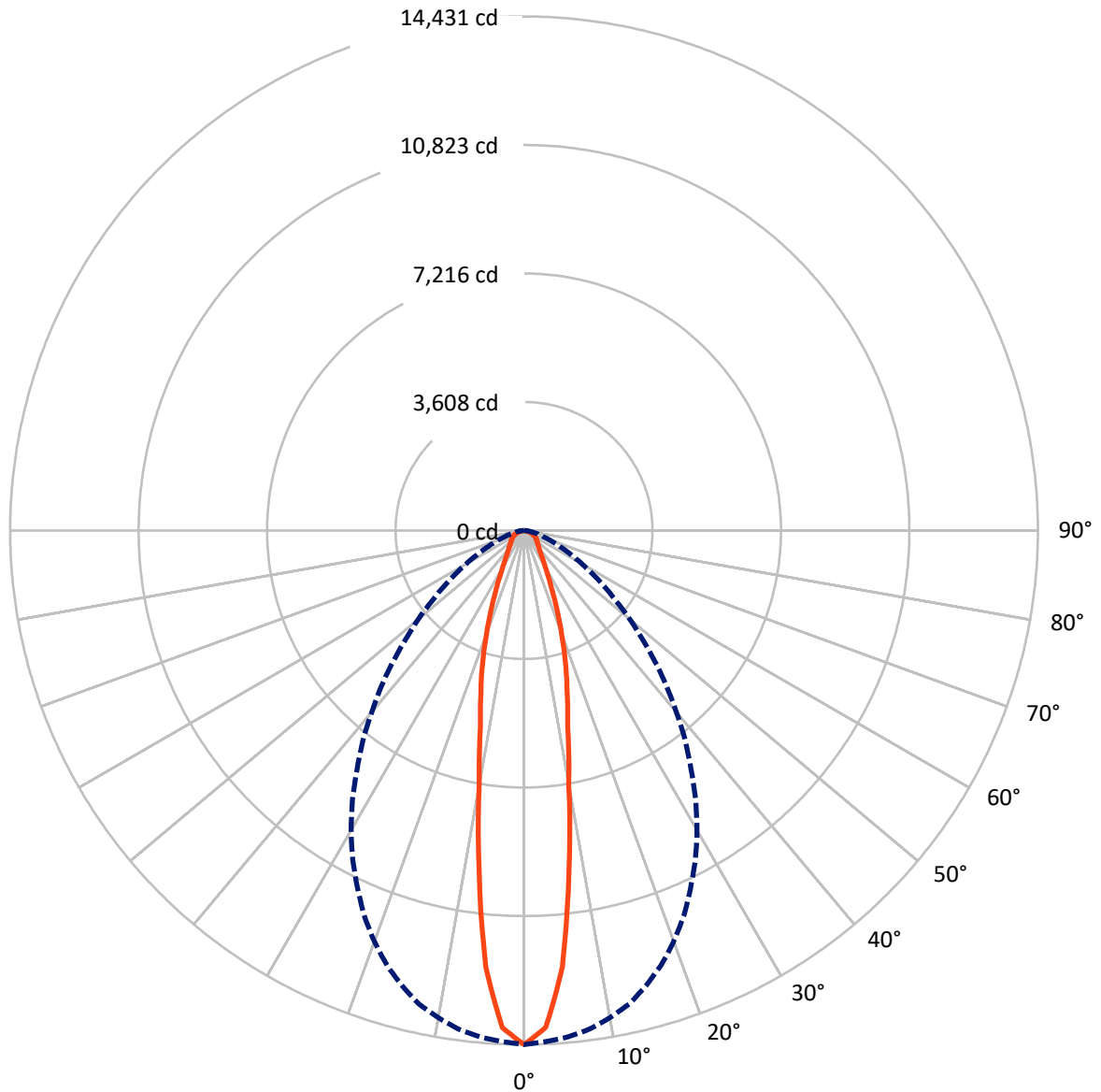
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Lumen Table

90																			
80	0.5	3.6		7.2		10.5		11.8		10.5		7.2		3.6		0.5			
70																			
60	2.2	2.1	3.6	5.0	6.1	7.3	8.4	9.0	9.0	8.4	7.3	6.1	5.0	3.6	2.1	2.2			
50		3.4	5.9	7.9	9.4	10.8	12.0	12.7	12.7	12.0	10.8	9.4	7.9	5.9	3.4				
40	4.4	5.2	9.0	11.9	13.8	15.1	16.2	16.9	16.9	16.2	15.1	13.8	11.9	9.0	5.2	4.4			
30		7.6	14.3	19.0	22.1	24.4	26.1	26.8	26.8	26.1	24.4	22.1	19.0	14.3	7.6				
20	6.8	10.7	24.4	36.4	44.0	51.0	56.8	60.2	60.2	56.8	51.0	44.0	36.4	24.4	10.7	6.8			
10		14.1	37.7	72.5	104.2	124.2	138.3	146.3	146.3	138.3	124.2	104.2	72.5	37.7	14.1				
0	7.8	16.2	48.4	106.8	184.7	262.0	318.9	348.8	348.8	318.9	262.0	184.7	106.8	48.4	16.2	7.8			
-10		16.2	48.4	106.8	184.7	262.0	318.9	348.8	348.8	318.9	262.0	184.7	106.8	48.4	16.2				
-20	6.8	14.1	37.7	72.5	104.2	124.2	138.3	146.3	146.3	138.3	124.2	104.2	72.5	37.7	14.1	6.8			
-30		10.7	24.4	36.4	44.0	51.0	56.8	60.2	60.2	56.8	51.0	44.0	36.4	24.4	10.7				
-40	4.4	7.6	14.3	19.0	22.1	24.4	26.1	26.8	26.8	26.1	24.4	22.1	19.0	14.3	7.6	4.4			
-50		5.2	9.0	11.9	13.8	15.1	16.2	16.9	16.9	16.2	15.1	13.8	11.9	9.0	5.2				
-60	2.2	3.4	5.9	7.9	9.4	10.8	12.0	12.7	12.7	12.0	10.8	9.4	7.9	5.9	3.4	2.2			
-70		2.1	3.6	5.0	6.1	7.3	8.4	9.0	9.0	8.4	7.3	6.1	5.0	3.6	2.1				
-80	0.5	3.6		7.2		10.5		11.8		10.5		7.2		3.6		0.5			
-90																			

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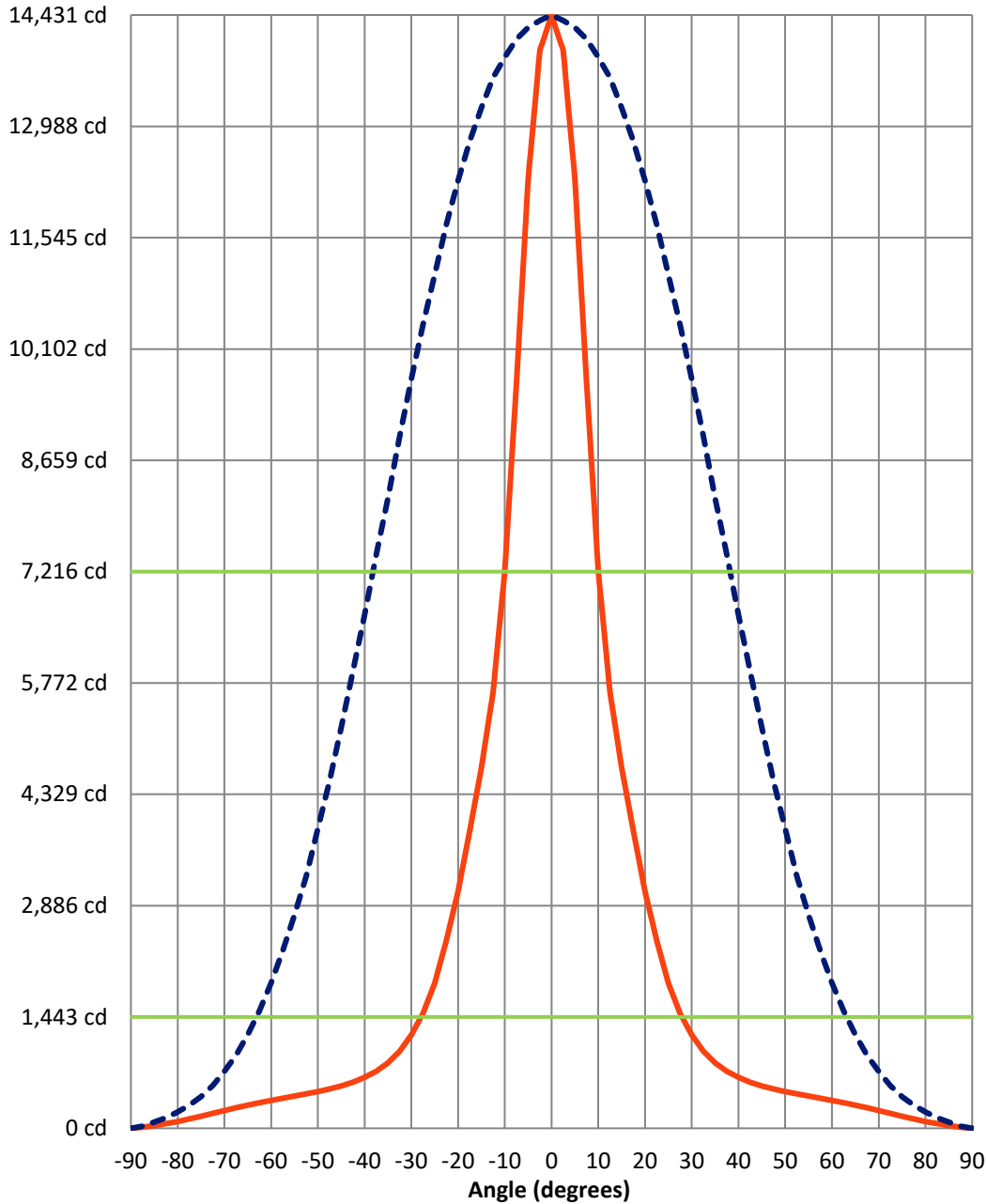
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 76.4°
 V Angle: 20°
 Lumens: 4135.1
 Efficiency: 40.0%

Field:
 H Angle: 126.3°
 V Angle: 55.8°
 Lumens: 8470.8
 Efficiency: 82.0%

Spill:
 Lumens: 1864.4
 Efficiency: 18.0%

— 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	1.2	2.4	3.4	4.3	5.1	5.7	6.5	7.2	7.9	8.5
85°	0.0	2.4	4.8	6.8	8.6	10.2	11.5	13.0	14.5	15.8	17.0
82.5°	0.0	3.6	7.2	10.2	12.9	15.3	17.2	19.5	22.1	26.4	30.3
80°	0.0	4.8	9.5	13.6	17.2	20.4	23.6	30.1	36.0	41.5	46.3
77.5°	0.0	6.0	11.9	17.0	21.5	27.0	34.8	42.6	49.9	56.5	62.7
75°	0.0	7.1	14.2	20.4	26.5	36.6	46.0	55.1	63.9	72.7	80.3
72.5°	0.0	8.3	16.5	23.7	34.3	46.2	57.1	68.1	79.5	89.5	97.9
70°	0.0	9.4	18.8	27.6	42.2	55.7	68.3	82.4	95.2	106.3	117.2
67.5°	0.0	10.5	21.0	33.5	49.9	65.1	81.2	96.7	110.9	125.4	137.1
65°	0.0	11.6	23.2	39.4	57.6	75.3	94.0	110.9	129.0	144.7	158.5
62.5°	0.0	12.7	25.4	45.3	65.2	86.4	106.8	126.9	147.2	164.8	182.9
60°	0.0	13.7	27.5	51.0	72.7	97.3	119.4	143.5	165.4	187.7	207.4
57.5°	0.0	14.8	31.2	56.6	81.5	108.1	133.8	160.2	185.9	210.7	233.9
55°	0.0	15.8	34.9	62.1	90.2	118.7	148.3	176.7	206.8	234.5	261.9
52.5°	0.0	16.7	38.4	67.5	98.8	129.5	162.5	195.3	227.7	261.4	290.6
50°	0.0	17.7	41.9	72.7	107.2	141.3	176.5	214.3	249.9	288.8	324.8
47.5°	0.0	18.6	45.2	78.1	115.4	152.9	190.7	233.3	275.1	316.6	360.8
45°	0.0	19.4	48.5	84.2	123.4	164.2	207.2	252.4	300.8	350.5	398.1
42.5°	0.0	20.3	51.6	90.0	131.3	175.2	223.5	273.5	326.6	385.4	440.5
40°	0.0	21.1	54.6	95.5	139.3	185.9	239.7	295.8	354.2	420.9	485.2
37.5°	0.0	21.8	57.4	100.6	147.6	196.3	255.7	317.9	385.5	458.0	531.3
35°	0.0	22.5	60.1	105.4	155.5	208.1	271.4	339.6	416.6	499.1	581.2
32.5°	0.0	23.2	62.7	109.8	163.0	220.4	287.5	361.0	447.6	540.8	636.2
30°	0.0	23.8	65.1	113.9	170.2	232.4	304.7	383.0	478.1	582.9	692.4
27.5°	0.0	24.4	67.4	117.7	176.2	243.9	321.3	407.9	510.1	625.1	749.6
25°	0.0	24.9	69.4	121.1	181.8	254.9	337.3	432.1	544.7	671.0	807.7
22.5°	0.0	25.4	71.4	124.2	186.9	264.8	352.6	455.4	578.5	718.5	871.2
20°	0.0	25.8	73.1	127.0	191.6	272.3	367.2	477.8	611.5	765.3	934.2
17.5°	0.0	26.2	74.7	129.4	195.9	278.9	378.1	499.1	643.4	811.1	996.1
15°	0.0	26.6	76.1	131.4	199.7	284.5	386.3	515.8	673.9	855.5	1056.4
12.5°	0.0	26.8	77.3	133.2	203.0	289.3	393.3	526.8	695.8	898.0	1114.7
10°	0.0	27.1	78.3	134.5	205.8	293.2	399.1	535.8	709.8	918.0	1160.1
7.5°	0.0	27.3	79.2	135.5	208.1	296.1	403.6	543.0	721.1	931.2	1180.7
5°	0.0	27.4	79.8	136.2	209.9	298.2	406.9	548.2	729.6	940.3	1196.6
2.5°	0.0	27.5	80.3	136.6	211.1	299.4	409.0	551.5	735.3	945.5	1207.6
0°	0.0	27.5	80.5	136.6	211.8	299.7	409.8	552.8	738.1	946.7	1213.5
-2.5°	0.0	27.5	80.3	136.6	211.1	299.4	409.0	551.5	735.3	945.5	1207.6
-5°	0.0	27.4	79.8	136.2	209.9	298.2	406.9	548.2	729.6	940.3	1196.6
-7.5°	0.0	27.3	79.2	135.5	208.1	296.1	403.6	543.0	721.1	931.2	1180.7
-10°	0.0	27.1	78.3	134.5	205.8	293.2	399.1	535.8	709.8	918.0	1160.1
-12.5°	0.0	26.8	77.3	133.2	203.0	289.3	393.3	526.8	695.8	898.0	1114.7
-15°	0.0	26.6	76.1	131.4	199.7	284.5	386.3	515.8	673.9	855.5	1056.4
-17.5°	0.0	26.2	74.7	129.4	195.9	278.9	378.1	499.1	643.4	811.1	996.1
-20°	0.0	25.8	73.1	127.0	191.6	272.3	367.2	477.8	611.5	765.3	934.2



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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	25.4	71.4	124.2	186.9	264.8	352.6	455.4	578.5	718.5	871.2
-25°	0.0	24.9	69.4	121.1	181.8	254.9	337.3	432.1	544.7	671.0	807.7
-27.5°	0.0	24.4	67.4	117.7	176.2	243.9	321.3	407.9	510.1	625.1	749.6
-30°	0.0	23.8	65.1	113.9	170.2	232.4	304.7	383.0	478.1	582.9	692.4
-32.5°	0.0	23.2	62.7	109.8	163.0	220.4	287.5	361.0	447.6	540.8	636.2
-35°	0.0	22.5	60.1	105.4	155.5	208.1	271.4	339.6	416.6	499.1	581.2
-37.5°	0.0	21.8	57.4	100.6	147.6	196.3	255.7	317.9	385.5	458.0	531.3
-40°	0.0	21.1	54.6	95.5	139.3	185.9	239.7	295.8	354.2	420.9	485.2
-42.5°	0.0	20.3	51.6	90.0	131.3	175.2	223.5	273.5	326.6	385.4	440.5
-45°	0.0	19.4	48.5	84.2	123.4	164.2	207.2	252.4	300.8	350.5	398.1
-47.5°	0.0	18.6	45.2	78.1	115.4	152.9	190.7	233.3	275.1	316.6	360.8
-50°	0.0	17.7	41.9	72.7	107.2	141.3	176.5	214.3	249.9	288.8	324.8
-52.5°	0.0	16.7	38.4	67.5	98.8	129.5	162.5	195.3	227.7	261.4	290.6
-55°	0.0	15.8	34.9	62.1	90.2	118.7	148.3	176.7	206.8	234.5	261.9
-57.5°	0.0	14.8	31.2	56.6	81.5	108.1	133.8	160.2	185.9	210.7	233.9
-60°	0.0	13.7	27.5	51.0	72.7	97.3	119.4	143.5	165.4	187.7	207.4
-62.5°	0.0	12.7	25.4	45.3	65.2	86.4	106.8	126.9	147.2	164.8	182.9
-65°	0.0	11.6	23.2	39.4	57.6	75.3	94.0	110.9	129.0	144.7	158.5
-67.5°	0.0	10.5	21.0	33.5	49.9	65.1	81.2	96.7	110.9	125.4	137.1
-70°	0.0	9.4	18.8	27.6	42.2	55.7	68.3	82.4	95.2	106.3	117.2
-72.5°	0.0	8.3	16.5	23.7	34.3	46.2	57.1	68.1	79.5	89.5	97.9
-75°	0.0	7.1	14.2	20.4	26.5	36.6	46.0	55.1	63.9	72.7	80.3
-77.5°	0.0	6.0	11.9	17.0	21.5	27.0	34.8	42.6	49.9	56.5	62.7
-80°	0.0	4.8	9.5	13.6	17.2	20.4	23.6	30.1	36.0	41.5	46.3
-82.5°	0.0	3.6	7.2	10.2	12.9	15.3	17.2	19.5	22.1	26.4	30.3
-85°	0.0	2.4	4.8	6.8	8.6	10.2	11.5	13.0	14.5	15.8	17.0
-87.5°	0.0	1.2	2.4	3.4	4.3	5.1	5.7	6.5	7.2	7.9	8.5
-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°
-22.5°	1032.9	1208.0	1386.4	1573.0	1745.8	1876.9	1976.5	2036.5	2034.5	1973.8	2021.2
-25°	952.5	1106.4	1256.8	1394.9	1518.8	1608.1	1649.2	1654.0	1590.3	1648.2	1702.1
-27.5°	877.1	1007.7	1125.7	1227.5	1309.4	1361.4	1362.6	1318.1	1363.6	1402.2	1417.1
-30°	802.9	909.0	1002.1	1075.5	1128.4	1144.0	1108.7	1137.6	1177.7	1193.7	1180.9
-32.5°	729.5	816.0	891.9	944.0	967.6	953.0	961.5	998.5	1016.6	1008.8	979.2
-35°	661.2	734.8	792.1	824.3	825.7	825.0	857.8	875.4	876.6	856.1	860.8
-37.5°	600.1	658.4	700.9	719.8	709.9	742.0	763.0	771.5	761.5	750.3	763.1
-40°	542.1	586.9	621.3	630.4	643.6	667.7	682.0	681.2	665.2	676.6	679.6
-42.5°	487.9	526.9	549.7	558.5	584.5	602.0	608.7	604.6	604.1	610.3	610.2
-45°	440.9	471.4	485.9	507.5	529.8	542.4	546.2	540.3	549.0	551.8	548.9
-47.5°	396.2	421.3	434.8	458.9	478.8	489.1	489.8	493.1	498.0	499.3	494.6
-50°	354.9	377.2	395.0	416.0	431.3	440.1	440.2	448.5	452.4	451.2	445.7
-52.5°	318.4	336.1	357.7	376.1	388.8	395.4	400.0	406.6	409.7	408.3	407.5
-55°	283.7	301.5	321.7	338.4	349.8	355.3	361.8	367.3	369.2	368.0	372.0
-57.5°	253.0	270.1	288.0	302.4	313.1	319.1	326.1	329.9	331.5	330.5	337.3
-60°	224.9	240.7	256.0	268.9	278.0	285.3	291.7	295.2	295.9	297.5	304.0
-62.5°	197.9	213.3	226.2	236.9	245.4	252.5	258.3	261.6	262.2	266.1	271.9
-65°	172.6	186.5	198.3	207.6	214.1	221.7	226.8	229.4	230.2	235.5	240.5
-67.5°	147.7	160.8	171.3	179.5	186.1	192.2	196.9	199.9	201.2	206.1	210.1
-70°	126.6	135.8	145.3	153.1	158.9	163.9	168.1	170.9	173.8	178.6	182.2
-72.5°	106.2	114.2	121.2	127.3	132.8	137.0	140.2	142.2	145.5	150.2	154.1
-75°	86.8	92.8	98.7	104.0	108.1	111.1	113.3	115.1	118.3	122.4	125.9
-77.5°	68.3	73.1	77.4	81.2	84.2	86.8	88.7	89.8	92.5	95.6	98.3
-80°	50.3	53.5	56.9	59.8	62.6	64.7	66.0	66.6	68.3	70.4	72.6
-82.5°	33.7	36.5	38.8	40.5	42.4	44.1	45.6	46.8	48.2	49.4	50.5
-85°	18.3	19.6	21.7	23.4	25.0	26.4	27.6	28.5	29.6	30.4	31.1
-87.5°	9.2	9.8	10.4	11.0	11.5	11.9	12.3	12.7	13.3	13.8	14.3
-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):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2099.1	2140.9	2136.1	2153.0	2222.9	2246.4	2267.7	2323.2	2310.6	2360.9	2369.6
-25°	1721.5	1704.1	1714.5	1770.3	1782.6	1768.3	1826.0	1832.8	1856.6	1859.5	1877.2
-27.5°	1400.0	1388.2	1427.0	1443.9	1425.8	1454.0	1474.5	1465.5	1495.3	1477.6	1503.0
-30°	1147.1	1180.3	1196.5	1182.0	1189.8	1205.3	1198.2	1210.3	1216.0	1206.9	1224.0
-32.5°	1002.3	1008.8	1004.1	995.9	1008.3	1009.9	995.5	1012.8	1005.8	1008.3	1015.1
-35°	874.5	871.6	849.6	863.0	865.8	857.0	859.5	863.3	850.7	860.6	859.6
-37.5°	765.2	755.4	751.3	754.7	752.6	743.4	750.7	748.9	743.1	749.7	746.8
-40°	676.3	662.7	670.2	669.1	662.0	660.9	664.7	659.6	660.5	664.4	661.5
-42.5°	601.7	600.2	601.6	599.2	591.5	596.4	597.0	590.7	597.0	599.7	598.2
-45°	540.7	545.1	544.2	539.9	539.2	543.5	543.1	541.3	546.4	548.6	549.3
-47.5°	494.2	496.5	495.4	489.2	494.2	498.5	498.6	500.7	505.1	506.8	508.2
-50°	451.5	453.4	451.9	450.3	456.0	459.4	460.3	465.3	469.5	471.8	474.0
-52.5°	412.1	414.4	412.8	415.5	421.3	424.6	426.2	432.4	437.1	440.1	443.1
-55°	376.7	378.6	378.0	384.4	389.8	393.3	397.1	402.9	407.4	410.8	414.1
-57.5°	342.1	344.6	346.8	353.8	359.5	363.9	368.9	374.3	378.9	382.7	386.3
-60°	308.5	311.1	315.6	322.5	328.5	333.3	339.1	344.6	349.3	353.3	356.8
-62.5°	276.3	279.2	285.0	291.4	296.7	301.1	307.7	313.4	318.2	322.2	325.5
-65°	244.5	247.3	254.4	260.9	266.4	271.1	276.6	281.7	286.2	290.2	293.5
-67.5°	213.7	217.0	223.5	229.4	234.7	239.6	244.8	249.4	253.4	257.1	260.2
-70°	184.9	188.0	193.3	198.3	203.1	207.6	212.1	216.1	219.6	223.0	226.1
-72.5°	157.0	160.3	164.5	168.2	171.8	175.5	179.2	182.5	185.3	187.9	190.3
-75°	128.7	131.9	135.2	138.2	140.9	143.6	146.4	148.9	151.2	153.0	154.5
-77.5°	100.8	103.6	106.3	108.7	110.7	112.6	114.2	115.5	116.4	117.9	119.3
-80°	74.5	77.1	79.4	81.3	82.9	84.1	85.0	85.7	86.3	86.9	87.3
-82.5°	51.4	53.1	54.8	56.4	57.9	58.7	59.3	59.7	59.9	60.4	60.8
-85°	31.5	32.1	32.7	33.2	33.7	34.3	34.8	35.2	35.5	35.5	35.3
-87.5°	14.7	14.5	14.2	13.8	13.4	13.4	13.4	13.4	13.3	13.2	13.0
-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: P558710 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-940-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2418.2	2417.8	2417.1	2435.5	2417.1	2417.8	2418.2	2369.6	2360.9	2310.6	2323.2
-25°	1900.4	1906.6	1893.4	1881.7	1893.4	1906.6	1900.4	1877.2	1859.5	1856.6	1832.8
-27.5°	1502.5	1511.0	1499.3	1489.9	1499.3	1511.0	1502.5	1503.0	1477.6	1495.3	1465.5
-30°	1213.4	1217.9	1204.7	1210.4	1204.7	1217.9	1213.4	1224.0	1206.9	1216.0	1210.3
-32.5°	1011.7	1012.3	1001.1	998.6	1001.1	1012.3	1011.7	1015.1	1008.3	1005.8	1012.8
-35°	856.7	855.0	847.6	848.2	847.6	855.0	856.7	859.6	860.6	850.7	863.3
-37.5°	747.3	746.0	741.2	739.1	741.2	746.0	747.3	746.8	749.7	743.1	748.9
-40°	664.0	663.7	661.5	660.8	661.5	663.7	664.0	661.5	664.4	660.5	659.6
-42.5°	599.6	598.4	596.9	597.2	596.9	598.4	599.6	598.2	599.7	597.0	590.7
-45°	550.7	549.6	548.4	548.5	548.4	549.6	550.7	549.3	548.6	546.4	541.3
-47.5°	510.0	510.4	510.4	510.4	510.4	510.4	510.0	508.2	506.8	505.1	500.7
-50°	475.5	475.7	475.6	475.5	475.6	475.7	475.5	474.0	471.8	469.5	465.3
-52.5°	445.4	446.5	447.1	446.9	447.1	446.5	445.4	443.1	440.1	437.1	432.4
-55°	416.5	417.9	418.5	418.3	418.5	417.9	416.5	414.1	410.8	407.4	402.9
-57.5°	389.2	391.3	391.2	389.7	391.2	391.3	389.2	386.3	382.7	378.9	374.3
-60°	359.6	361.6	361.9	361.1	361.9	361.6	359.6	356.8	353.3	349.3	344.6
-62.5°	328.1	330.0	331.0	331.4	331.0	330.0	328.1	325.5	322.2	318.2	313.4
-65°	296.2	298.3	299.4	299.7	299.4	298.3	296.2	293.5	290.2	286.2	281.7
-67.5°	262.7	264.5	265.9	266.8	265.9	264.5	262.7	260.2	257.1	253.4	249.4
-70°	228.7	230.7	230.6	229.8	230.6	230.7	228.7	226.1	223.0	219.6	216.1
-72.5°	192.2	193.7	194.1	193.8	194.1	193.7	192.2	190.3	187.9	185.3	182.5
-75°	155.4	155.9	156.0	155.7	156.0	155.9	155.4	154.5	153.0	151.2	148.9
-77.5°	120.4	121.1	121.6	121.8	121.6	121.1	120.4	119.3	117.9	116.4	115.5
-80°	87.5	87.5	87.3	86.8	87.3	87.5	87.5	87.3	86.9	86.3	85.7
-82.5°	61.0	61.1	61.3	61.4	61.3	61.1	61.0	60.8	60.4	59.9	59.7
-85°	35.1	34.7	35.4	36.0	35.4	34.7	35.1	35.3	35.5	35.5	35.2
-87.5°	12.9	12.7	13.2	13.8	13.2	12.7	12.9	13.0	13.2	13.3	13.4
-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: P558710 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2267.7	2246.4	2222.9	2153.0	2136.1	2140.9	2099.1	2021.2	1973.8	2034.5	2036.5
-25°	1826.0	1768.3	1782.6	1770.3	1714.5	1704.1	1721.5	1702.1	1648.2	1590.3	1654.0
-27.5°	1474.5	1454.0	1425.8	1443.9	1427.0	1388.2	1400.0	1417.1	1402.2	1363.6	1318.1
-30°	1198.2	1205.3	1189.8	1182.0	1196.5	1180.3	1147.1	1180.9	1193.7	1177.7	1137.6
-32.5°	995.5	1009.9	1008.3	995.9	1004.1	1008.8	1002.3	979.2	1008.8	1016.6	998.5
-35°	859.5	857.0	865.8	863.0	849.6	871.6	874.5	860.8	856.1	876.6	875.4
-37.5°	750.7	743.4	752.6	754.7	751.3	755.4	765.2	763.1	750.3	761.5	771.5
-40°	664.7	660.9	662.0	669.1	670.2	662.7	676.3	679.6	676.6	665.2	681.2
-42.5°	597.0	596.4	591.5	599.2	601.6	600.2	601.7	610.2	610.3	604.1	604.6
-45°	543.1	543.5	539.2	539.9	544.2	545.1	540.7	548.9	551.8	549.0	540.3
-47.5°	498.6	498.5	494.2	489.2	495.4	496.5	494.2	494.6	499.3	498.0	493.1
-50°	460.3	459.4	456.0	450.3	451.9	453.4	451.5	445.7	451.2	452.4	448.5
-52.5°	426.2	424.6	421.3	415.5	412.8	414.4	412.1	407.5	408.3	409.7	406.6
-55°	397.1	393.3	389.8	384.4	378.0	378.6	376.7	372.0	368.0	369.2	367.3
-57.5°	368.9	363.9	359.5	353.8	346.8	344.6	342.1	337.3	330.5	331.5	329.9
-60°	339.1	333.3	328.5	322.5	315.6	311.1	308.5	304.0	297.5	295.9	295.2
-62.5°	307.7	301.1	296.7	291.4	285.0	279.2	276.3	271.9	266.1	262.2	261.6
-65°	276.6	271.1	266.4	260.9	254.4	247.3	244.5	240.5	235.5	230.2	229.4
-67.5°	244.8	239.6	234.7	229.4	223.5	217.0	213.7	210.1	206.1	201.2	199.9
-70°	212.1	207.6	203.1	198.3	193.3	188.0	184.9	182.2	178.6	173.8	170.9
-72.5°	179.2	175.5	171.8	168.2	164.5	160.3	157.0	154.1	150.2	145.5	142.2
-75°	146.4	143.6	140.9	138.2	135.2	131.9	128.7	125.9	122.4	118.3	115.1
-77.5°	114.2	112.6	110.7	108.7	106.3	103.6	100.8	98.3	95.6	92.5	89.8
-80°	85.0	84.1	82.9	81.3	79.4	77.1	74.5	72.6	70.4	68.3	66.6
-82.5°	59.3	58.7	57.9	56.4	54.8	53.1	51.4	50.5	49.4	48.2	46.8
-85°	34.8	34.3	33.7	33.2	32.7	32.1	31.5	31.1	30.4	29.6	28.5
-87.5°	13.4	13.4	13.4	13.8	14.2	14.5	14.7	14.3	13.8	13.3	12.7
-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: P558710 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	12.3	11.9	11.5	11.0	10.4	9.8	9.2	8.5	7.9	7.2	6.5
85°	27.6	26.4	25.0	23.4	21.7	19.6	18.3	17.0	15.8	14.5	13.0
82.5°	45.6	44.1	42.4	40.5	38.8	36.5	33.7	30.3	26.4	22.1	19.5
80°	66.0	64.7	62.6	59.8	56.9	53.5	50.3	46.3	41.5	36.0	30.1
77.5°	88.7	86.8	84.2	81.2	77.4	73.1	68.3	62.7	56.5	49.9	42.6
75°	113.3	111.1	108.1	104.0	98.7	92.8	86.8	80.3	72.7	63.9	55.1
72.5°	140.2	137.0	132.8	127.3	121.2	114.2	106.2	97.9	89.5	79.5	68.1
70°	168.1	163.9	158.9	153.1	145.3	135.8	126.6	117.2	106.3	95.2	82.4
67.5°	196.9	192.2	186.1	179.5	171.3	160.8	147.7	137.1	125.4	110.9	96.7
65°	226.8	221.7	214.1	207.6	198.3	186.5	172.6	158.5	144.7	129.0	110.9
62.5°	258.3	252.5	245.4	236.9	226.2	213.3	197.9	182.9	164.8	147.2	126.9
60°	291.7	285.3	278.0	268.9	256.0	240.7	224.9	207.4	187.7	165.4	143.5
57.5°	326.1	319.1	313.1	302.4	288.0	270.1	253.0	233.9	210.7	185.9	160.2
55°	361.8	355.3	349.8	338.4	321.7	301.5	283.7	261.9	234.5	206.8	176.7
52.5°	400.0	395.4	388.8	376.1	357.7	336.1	318.4	290.6	261.4	227.7	195.3
50°	440.2	440.1	431.3	416.0	395.0	377.2	354.9	324.8	288.8	249.9	214.3
47.5°	489.8	489.1	478.8	458.9	434.8	421.3	396.2	360.8	316.6	275.1	233.3
45°	546.2	542.4	529.8	507.5	485.9	471.4	440.9	398.1	350.5	300.8	252.4
42.5°	608.7	602.0	584.5	558.5	549.7	526.9	487.9	440.5	385.4	326.6	273.5
40°	682.0	667.7	643.6	630.4	621.3	586.9	542.1	485.2	420.9	354.2	295.8
37.5°	763.0	742.0	709.9	719.8	700.9	658.4	600.1	531.3	458.0	385.5	317.9
35°	857.8	825.0	825.7	824.3	792.1	734.8	661.2	581.2	499.1	416.6	339.6
32.5°	961.5	953.0	967.6	944.0	891.9	816.0	729.5	636.2	540.8	447.6	361.0
30°	1108.7	1144.0	1128.4	1075.5	1002.1	909.0	802.9	692.4	582.9	478.1	383.0
27.5°	1362.6	1361.4	1309.4	1227.5	1125.7	1007.7	877.1	749.6	625.1	510.1	407.9
25°	1649.2	1608.1	1518.8	1394.9	1256.8	1106.4	952.5	807.7	671.0	544.7	432.1
22.5°	1976.5	1876.9	1745.8	1573.0	1386.4	1208.0	1032.9	871.2	718.5	578.5	455.4
20°	2330.4	2163.5	1983.4	1747.7	1526.3	1318.7	1117.9	934.2	765.3	611.5	477.8
17.5°	2709.4	2459.3	2209.6	1936.9	1673.2	1430.2	1202.8	996.1	811.1	643.4	499.1
15°	3076.6	2755.1	2442.5	2127.4	1820.7	1541.5	1286.6	1056.4	855.5	673.9	515.8
12.5°	3438.6	3054.9	2678.6	2317.0	1967.1	1651.3	1368.5	1114.7	898.0	695.8	526.8
10°	3799.9	3354.6	2914.6	2503.4	2110.3	1758.2	1447.5	1160.1	918.0	709.8	535.8
7.5°	4155.8	3649.7	3146.5	2683.8	2233.8	1828.1	1481.2	1180.7	931.2	721.1	543.0
5°	4446.1	3842.3	3252.0	2737.3	2268.5	1855.9	1502.0	1196.6	940.3	729.6	548.2
2.5°	4485.3	3873.9	3267.7	2758.5	2291.7	1874.9	1515.9	1207.6	945.5	735.3	551.5
0°	4500.4	3884.1	3265.7	2764.9	2303.2	1884.9	1522.7	1213.5	946.7	738.1	552.8
-2.5°	4485.3	3873.9	3267.7	2758.5	2291.7	1874.9	1515.9	1207.6	945.5	735.3	551.5
-5°	4446.1	3842.3	3252.0	2737.3	2268.5	1855.9	1502.0	1196.6	940.3	729.6	548.2
-7.5°	4155.8	3649.7	3146.5	2683.8	2233.8	1828.1	1481.2	1180.7	931.2	721.1	543.0
-10°	3799.9	3354.6	2914.6	2503.4	2110.3	1758.2	1447.5	1160.1	918.0	709.8	535.8
-12.5°	3438.6	3054.9	2678.6	2317.0	1967.1	1651.3	1368.5	1114.7	898.0	695.8	526.8
-15°	3076.6	2755.1	2442.5	2127.4	1820.7	1541.5	1286.6	1056.4	855.5	673.9	515.8
-17.5°	2709.4	2459.3	2209.6	1936.9	1673.2	1430.2	1202.8	996.1	811.1	643.4	499.1
-20°	2330.4	2163.5	1983.4	1747.7	1526.3	1318.7	1117.9	934.2	765.3	611.5	477.8



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 CATALOG NUMBER: GFLD-SA2D-940-U-NAT-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1976.5	1876.9	1745.8	1573.0	1386.4	1208.0	1032.9	871.2	718.5	578.5	455.4
-25°	1649.2	1608.1	1518.8	1394.9	1256.8	1106.4	952.5	807.7	671.0	544.7	432.1
-27.5°	1362.6	1361.4	1309.4	1227.5	1125.7	1007.7	877.1	749.6	625.1	510.1	407.9
-30°	1108.7	1144.0	1128.4	1075.5	1002.1	909.0	802.9	692.4	582.9	478.1	383.0
-32.5°	961.5	953.0	967.6	944.0	891.9	816.0	729.5	636.2	540.8	447.6	361.0
-35°	857.8	825.0	825.7	824.3	792.1	734.8	661.2	581.2	499.1	416.6	339.6
-37.5°	763.0	742.0	709.9	719.8	700.9	658.4	600.1	531.3	458.0	385.5	317.9
-40°	682.0	667.7	643.6	630.4	621.3	586.9	542.1	485.2	420.9	354.2	295.8
-42.5°	608.7	602.0	584.5	558.5	549.7	526.9	487.9	440.5	385.4	326.6	273.5
-45°	546.2	542.4	529.8	507.5	485.9	471.4	440.9	398.1	350.5	300.8	252.4
-47.5°	489.8	489.1	478.8	458.9	434.8	421.3	396.2	360.8	316.6	275.1	233.3
-50°	440.2	440.1	431.3	416.0	395.0	377.2	354.9	324.8	288.8	249.9	214.3
-52.5°	400.0	395.4	388.8	376.1	357.7	336.1	318.4	290.6	261.4	227.7	195.3
-55°	361.8	355.3	349.8	338.4	321.7	301.5	283.7	261.9	234.5	206.8	176.7
-57.5°	326.1	319.1	313.1	302.4	288.0	270.1	253.0	233.9	210.7	185.9	160.2
-60°	291.7	285.3	278.0	268.9	256.0	240.7	224.9	207.4	187.7	165.4	143.5
-62.5°	258.3	252.5	245.4	236.9	226.2	213.3	197.9	182.9	164.8	147.2	126.9
-65°	226.8	221.7	214.1	207.6	198.3	186.5	172.6	158.5	144.7	129.0	110.9
-67.5°	196.9	192.2	186.1	179.5	171.3	160.8	147.7	137.1	125.4	110.9	96.7
-70°	168.1	163.9	158.9	153.1	145.3	135.8	126.6	117.2	106.3	95.2	82.4
-72.5°	140.2	137.0	132.8	127.3	121.2	114.2	106.2	97.9	89.5	79.5	68.1
-75°	113.3	111.1	108.1	104.0	98.7	92.8	86.8	80.3	72.7	63.9	55.1
-77.5°	88.7	86.8	84.2	81.2	77.4	73.1	68.3	62.7	56.5	49.9	42.6
-80°	66.0	64.7	62.6	59.8	56.9	53.5	50.3	46.3	41.5	36.0	30.1
-82.5°	45.6	44.1	42.4	40.5	38.8	36.5	33.7	30.3	26.4	22.1	19.5
-85°	27.6	26.4	25.0	23.4	21.7	19.6	18.3	17.0	15.8	14.5	13.0
-87.5°	12.3	11.9	11.5	11.0	10.4	9.8	9.2	8.5	7.9	7.2	6.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	5.7	5.1	4.3	3.4	2.4	1.2	0.0
85°	11.5	10.2	8.6	6.8	4.8	2.4	0.0
82.5°	17.2	15.3	12.9	10.2	7.2	3.6	0.0
80°	23.6	20.4	17.2	13.6	9.5	4.8	0.0
77.5°	34.8	27.0	21.5	17.0	11.9	6.0	0.0
75°	46.0	36.6	26.5	20.4	14.2	7.1	0.0
72.5°	57.1	46.2	34.3	23.7	16.5	8.3	0.0
70°	68.3	55.7	42.2	27.6	18.8	9.4	0.0
67.5°	81.2	65.1	49.9	33.5	21.0	10.5	0.0
65°	94.0	75.3	57.6	39.4	23.2	11.6	0.0
62.5°	106.8	86.4	65.2	45.3	25.4	12.7	0.0
60°	119.4	97.3	72.7	51.0	27.5	13.7	0.0
57.5°	133.8	108.1	81.5	56.6	31.2	14.8	0.0
55°	148.3	118.7	90.2	62.1	34.9	15.8	0.0
52.5°	162.5	129.5	98.8	67.5	38.4	16.7	0.0
50°	176.5	141.3	107.2	72.7	41.9	17.7	0.0
47.5°	190.7	152.9	115.4	78.1	45.2	18.6	0.0
45°	207.2	164.2	123.4	84.2	48.5	19.4	0.0
42.5°	223.5	175.2	131.3	90.0	51.6	20.3	0.0
40°	239.7	185.9	139.3	95.5	54.6	21.1	0.0
37.5°	255.7	196.3	147.6	100.6	57.4	21.8	0.0
35°	271.4	208.1	155.5	105.4	60.1	22.5	0.0
32.5°	287.5	220.4	163.0	109.8	62.7	23.2	0.0
30°	304.7	232.4	170.2	113.9	65.1	23.8	0.0
27.5°	321.3	243.9	176.2	117.7	67.4	24.4	0.0
25°	337.3	254.9	181.8	121.1	69.4	24.9	0.0
22.5°	352.6	264.8	186.9	124.2	71.4	25.4	0.0
20°	367.2	272.3	191.6	127.0	73.1	25.8	0.0
17.5°	378.1	278.9	195.9	129.4	74.7	26.2	0.0
15°	386.3	284.5	199.7	131.4	76.1	26.6	0.0
12.5°	393.3	289.3	203.0	133.2	77.3	26.8	0.0
10°	399.1	293.2	205.8	134.5	78.3	27.1	0.0
7.5°	403.6	296.1	208.1	135.5	79.2	27.3	0.0
5°	406.9	298.2	209.9	136.2	79.8	27.4	0.0
2.5°	409.0	299.4	211.1	136.6	80.3	27.5	0.0
0°	409.8	299.7	211.8	136.6	80.5	27.5	0.0
-2.5°	409.0	299.4	211.1	136.6	80.3	27.5	0.0
-5°	406.9	298.2	209.9	136.2	79.8	27.4	0.0
-7.5°	403.6	296.1	208.1	135.5	79.2	27.3	0.0
-10°	399.1	293.2	205.8	134.5	78.3	27.1	0.0
-12.5°	393.3	289.3	203.0	133.2	77.3	26.8	0.0
-15°	386.3	284.5	199.7	131.4	76.1	26.6	0.0
-17.5°	378.1	278.9	195.9	129.4	74.7	26.2	0.0
-20°	367.2	272.3	191.6	127.0	73.1	25.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	352.6	264.8	186.9	124.2	71.4	25.4	0.0
-25°	337.3	254.9	181.8	121.1	69.4	24.9	0.0
-27.5°	321.3	243.9	176.2	117.7	67.4	24.4	0.0
-30°	304.7	232.4	170.2	113.9	65.1	23.8	0.0
-32.5°	287.5	220.4	163.0	109.8	62.7	23.2	0.0
-35°	271.4	208.1	155.5	105.4	60.1	22.5	0.0
-37.5°	255.7	196.3	147.6	100.6	57.4	21.8	0.0
-40°	239.7	185.9	139.3	95.5	54.6	21.1	0.0
-42.5°	223.5	175.2	131.3	90.0	51.6	20.3	0.0
-45°	207.2	164.2	123.4	84.2	48.5	19.4	0.0
-47.5°	190.7	152.9	115.4	78.1	45.2	18.6	0.0
-50°	176.5	141.3	107.2	72.7	41.9	17.7	0.0
-52.5°	162.5	129.5	98.8	67.5	38.4	16.7	0.0
-55°	148.3	118.7	90.2	62.1	34.9	15.8	0.0
-57.5°	133.8	108.1	81.5	56.6	31.2	14.8	0.0
-60°	119.4	97.3	72.7	51.0	27.5	13.7	0.0
-62.5°	106.8	86.4	65.2	45.3	25.4	12.7	0.0
-65°	94.0	75.3	57.6	39.4	23.2	11.6	0.0
-67.5°	81.2	65.1	49.9	33.5	21.0	10.5	0.0
-70°	68.3	55.7	42.2	27.6	18.8	9.4	0.0
-72.5°	57.1	46.2	34.3	23.7	16.5	8.3	0.0
-75°	46.0	36.6	26.5	20.4	14.2	7.1	0.0
-77.5°	34.8	27.0	21.5	17.0	11.9	6.0	0.0
-80°	23.6	20.4	17.2	13.6	9.5	4.8	0.0
-82.5°	17.2	15.3	12.9	10.2	7.2	3.6	0.0
-85°	11.5	10.2	8.6	6.8	4.8	2.4	0.0
-87.5°	5.7	5.1	4.3	3.4	2.4	1.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)