

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645383 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2D-730-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645383 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA2D-730-U-LAM-VSR-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

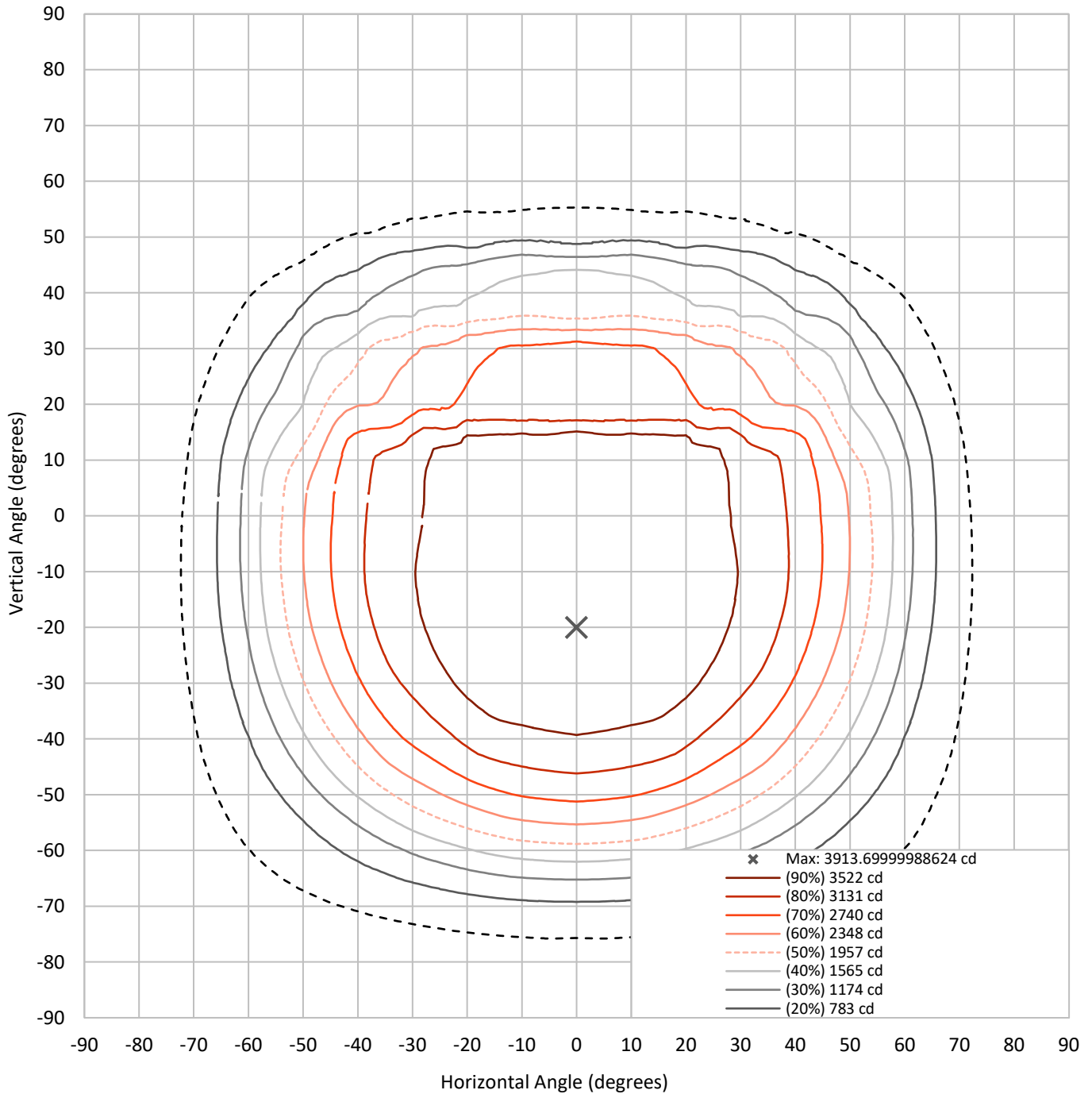
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	9176.8 lumens	Max Intensity:	3913.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	84.4 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	7173.9 lumens	Field Lumens:	8994.6 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	108.7		
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		



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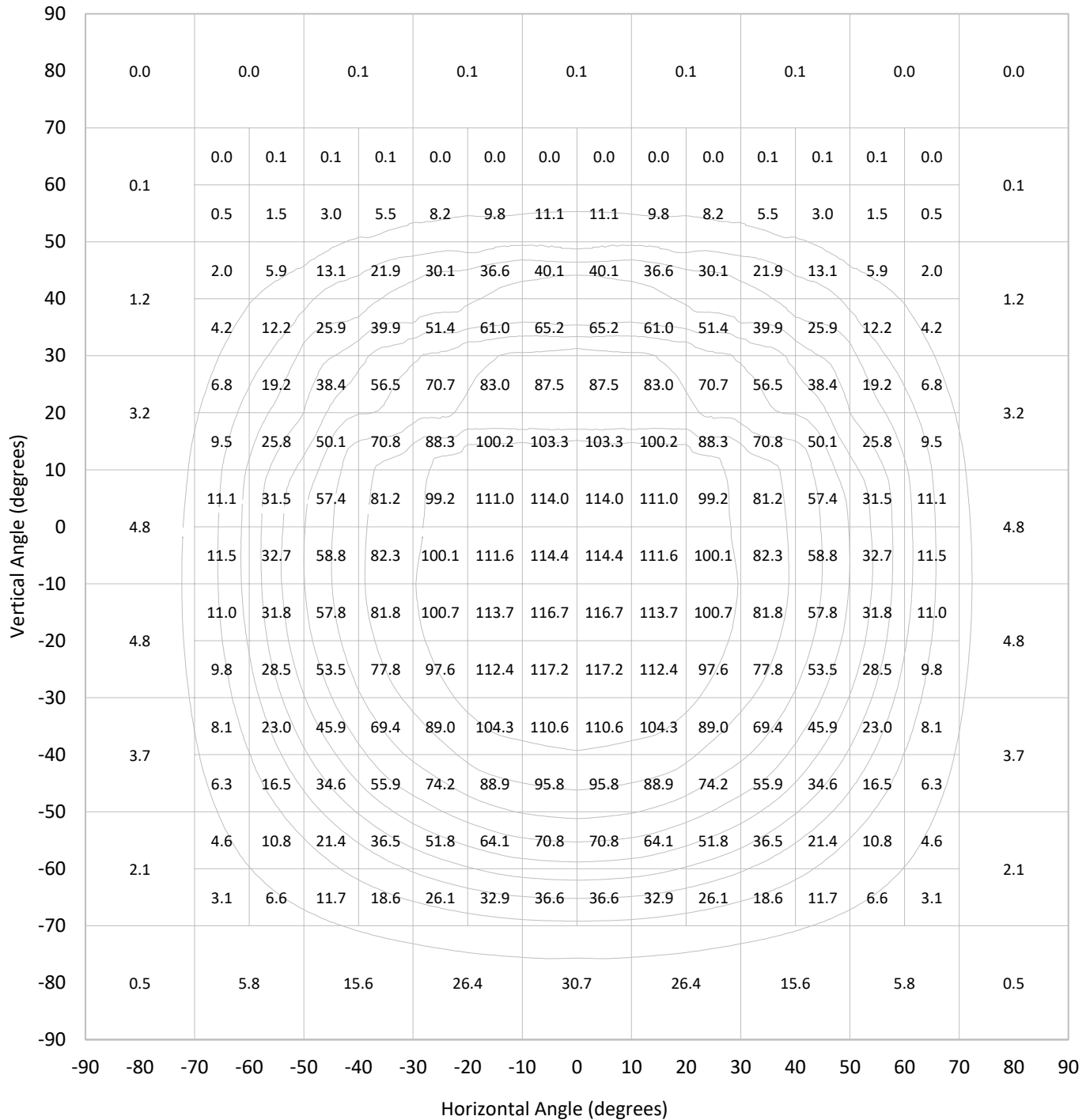
Iso-Candela Plot





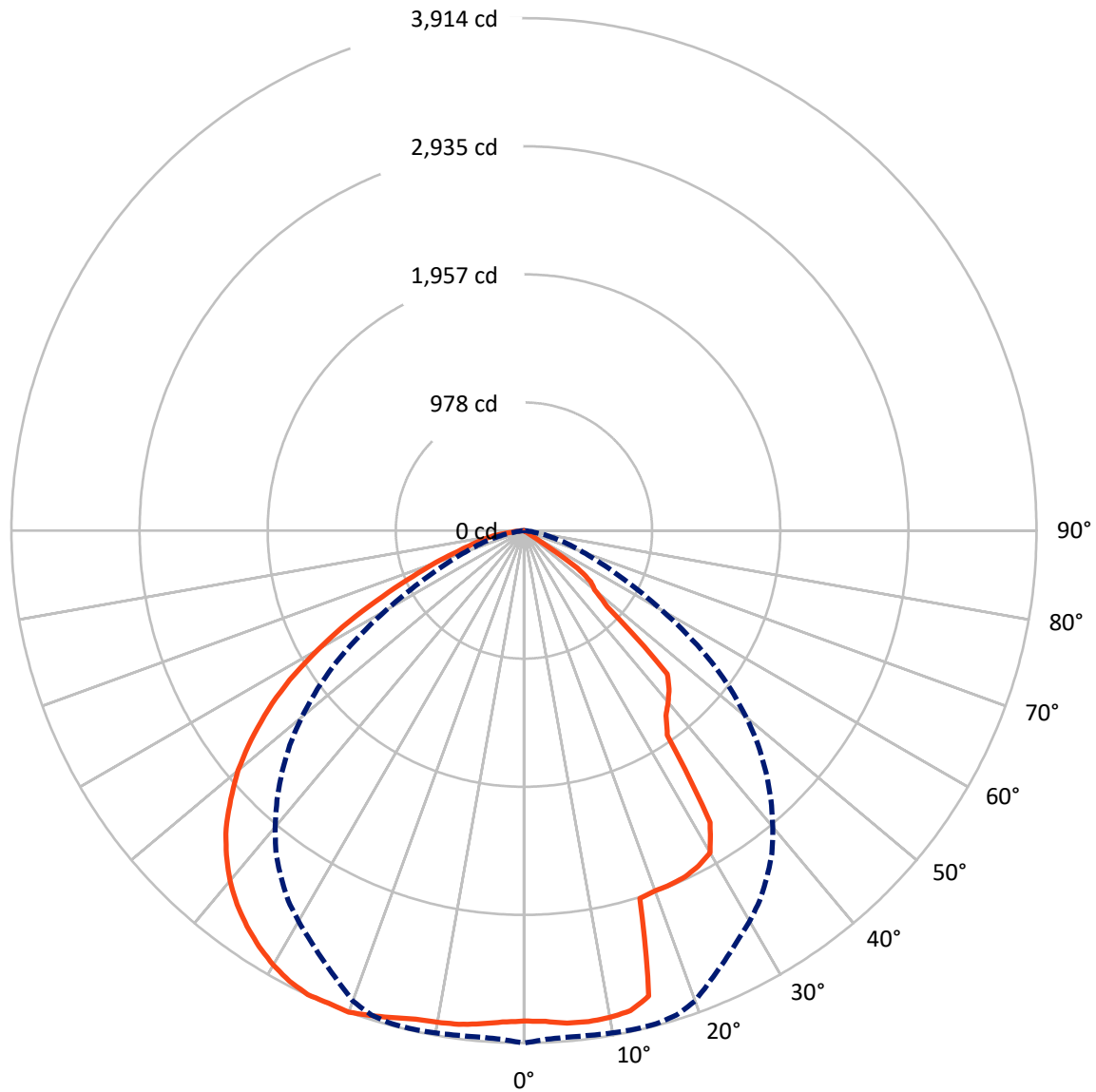
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Lumen Table



REPORT NUMBER: P645383 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot

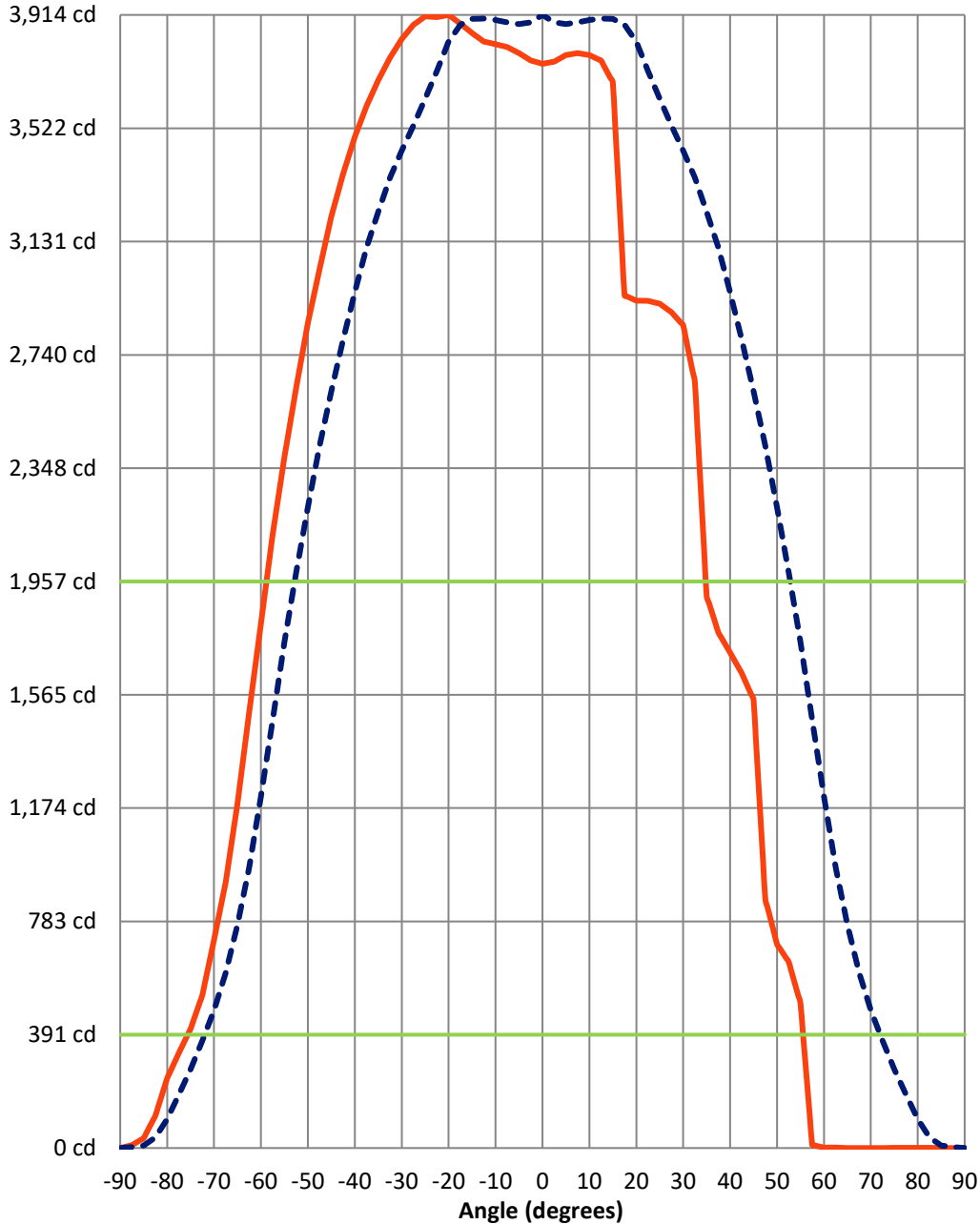


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 7173.9
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 8994.6
 Efficiency: 98.0%

Spill:
 Lumens: 182.2
 Efficiency: 2.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.3
85°	0.0	0.2	0.3	0.4	0.6	0.7	0.9	0.9	0.9	0.8	0.7
82.5°	0.0	0.3	0.4	0.7	0.9	1.1	1.3	1.3	1.3	1.0	0.8
80°	0.0	0.4	0.6	0.9	1.2	1.5	1.7	1.5	1.3	1.1	0.8
77.5°	0.0	0.5	0.7	1.1	1.5	1.7	1.7	1.5	1.3	1.1	0.8
75°	0.0	0.5	0.9	1.3	1.7	1.8	1.7	1.5	1.3	1.1	0.9
72.5°	0.0	0.6	1.0	1.5	1.8	1.8	1.7	1.5	1.3	1.1	0.9
70°	0.0	0.7	1.2	1.7	1.9	1.9	1.8	1.6	1.4	1.2	1.3
67.5°	0.0	0.8	1.3	1.8	1.9	1.9	2.0	1.6	1.4	1.9	1.9
65°	0.0	0.9	1.5	1.9	2.0	2.2	2.3	1.6	2.2	2.6	3.3
62.5°	0.0	1.0	1.7	2.0	2.1	2.8	2.6	2.3	3.1	4.6	7.3
60°	0.0	1.1	1.8	2.0	2.2	3.4	3.1	3.2	4.0	11.6	12.6
57.5°	0.0	1.2	1.9	2.1	2.8	4.0	5.7	4.4	11.4	19.7	22.9
55°	0.0	1.2	2.0	2.2	3.5	4.8	9.1	7.2	21.1	30.4	37.1
52.5°	0.0	1.3	2.1	2.3	4.3	6.1	13.1	18.3	31.6	47.7	53.7
50°	0.0	1.4	2.2	2.4	5.0	10.4	17.6	30.9	45.2	67.0	84.0
47.5°	0.0	1.5	2.3	2.6	5.8	15.0	23.7	44.1	65.2	88.2	114.9
45°	0.0	1.6	2.4	3.2	6.7	19.9	35.7	58.0	87.5	115.0	144.9
42.5°	0.0	1.6	2.5	3.9	7.5	25.2	48.1	75.5	110.2	141.1	179.5
40°	0.0	1.7	2.6	4.7	10.1	30.7	60.7	95.5	133.6	166.6	216.5
37.5°	0.0	1.8	2.7	5.7	14.5	36.6	73.6	115.5	158.1	197.4	255.1
35°	0.0	1.9	2.8	6.8	18.9	45.5	86.6	135.5	183.1	235.1	300.8
32.5°	0.0	1.9	2.9	8.0	23.4	55.8	100.8	155.5	208.3	273.0	356.3
30°	0.0	2.0	3.0	9.4	27.9	66.0	117.0	175.6	233.8	311.1	409.6
27.5°	0.0	2.1	3.1	10.8	33.5	76.1	132.9	196.6	261.8	349.0	460.6
25°	0.0	2.1	3.2	12.3	39.2	86.0	148.4	217.3	293.3	390.5	509.1
22.5°	0.0	2.2	3.3	13.8	44.9	96.2	163.4	237.7	324.3	432.0	558.3
20°	0.0	2.2	3.4	15.4	50.6	107.1	178.0	257.7	354.4	471.1	606.2
17.5°	0.0	2.3	3.6	17.0	56.1	117.6	192.3	277.1	383.6	507.8	652.7
15°	0.0	2.3	3.7	18.7	61.5	127.7	206.2	295.1	411.6	542.0	697.4
12.5°	0.0	2.4	3.8	20.3	66.8	137.3	219.1	311.2	434.0	573.7	739.8
10°	0.0	2.4	3.9	21.9	71.8	146.5	231.1	326.0	450.6	592.7	774.4
7.5°	0.0	2.4	4.0	23.5	76.5	155.0	242.1	339.5	464.8	607.5	794.6
5°	0.0	2.5	4.0	24.9	80.9	162.8	252.1	351.6	476.7	619.4	811.0
2.5°	0.0	2.5	4.1	26.3	85.0	170.0	261.1	362.4	486.3	628.5	823.6
0°	0.0	2.5	4.2	27.6	88.6	176.3	269.0	371.8	493.8	635.0	832.2
-2.5°	0.0	2.6	4.9	29.4	92.0	180.3	272.9	377.3	496.5	643.2	837.8
-5°	0.0	2.8	5.5	31.0	94.8	183.5	275.8	381.3	497.5	648.5	839.6
-7.5°	0.0	2.9	6.1	32.5	97.2	185.8	277.7	383.8	496.8	650.7	837.7
-10°	0.0	3.0	6.7	33.8	98.9	187.2	278.5	384.8	494.7	649.4	832.4
-12.5°	0.0	3.1	7.3	34.9	100.1	187.8	278.4	384.1	491.2	644.2	823.3
-15°	0.0	3.3	7.8	35.7	100.7	187.6	277.3	381.9	487.4	634.0	810.1
-17.5°	0.0	3.3	8.3	36.4	100.6	186.4	275.3	377.3	482.6	621.2	792.8
-20°	0.0	3.4	8.8	36.7	99.9	184.5	272.1	370.7	475.9	606.0	771.5

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.5	9.2	36.8	98.5	181.6	267.6	362.8	467.1	588.5	746.3
-25°	0.0	3.5	9.6	36.7	96.4	177.3	262.0	353.6	456.2	568.7	717.0
-27.5°	0.0	3.6	9.9	36.2	93.6	171.8	255.3	343.2	443.3	549.6	691.1
-30°	0.0	3.6	10.1	35.5	90.0	165.6	247.6	331.6	429.1	533.4	663.4
-32.5°	0.0	3.6	10.3	34.4	86.0	158.7	238.9	320.9	414.1	514.7	633.8
-35°	0.0	3.6	10.5	33.1	81.4	151.1	229.4	309.6	397.9	493.5	602.4
-37.5°	0.0	3.6	10.5	31.4	76.4	143.4	219.3	297.1	380.5	469.9	571.4
-40°	0.0	3.6	10.6	29.5	70.9	136.4	208.3	283.4	362.1	447.5	540.8
-42.5°	0.0	3.5	10.5	27.3	66.8	129.0	196.6	268.6	344.2	423.9	507.8
-45°	0.0	3.4	10.4	25.2	64.0	121.0	184.2	253.2	325.9	398.8	473.6
-47.5°	0.0	3.4	10.2	22.7	60.6	112.6	171.1	237.9	306.3	372.4	444.1
-50°	0.0	3.3	9.9	21.9	56.8	103.8	160.1	221.8	284.7	348.1	413.2
-52.5°	0.0	3.1	9.6	21.5	52.5	94.5	149.1	205.0	263.9	323.1	381.4
-55°	0.0	3.0	9.2	20.8	47.7	87.5	137.7	188.0	243.2	297.5	353.2
-57.5°	0.0	2.9	8.8	19.9	42.4	80.4	125.8	174.4	221.7	272.9	324.4
-60°	0.0	2.7	8.3	18.8	36.9	72.6	113.8	159.5	200.2	248.0	295.6
-62.5°	0.0	2.5	7.8	17.5	34.3	64.2	102.8	143.2	180.3	222.5	267.4
-65°	0.0	2.3	7.2	15.9	31.3	55.3	91.1	126.4	159.2	196.9	238.6
-67.5°	0.0	2.1	6.6	14.2	28.0	47.8	78.5	109.6	137.0	170.2	207.4
-70°	0.0	1.9	6.0	12.4	24.3	41.8	65.4	92.5	117.1	142.2	174.3
-72.5°	0.0	1.7	5.3	10.9	20.4	35.4	55.3	75.0	96.9	119.1	141.5
-75°	0.0	1.5	4.6	9.5	16.3	28.6	45.2	60.4	76.3	95.6	115.2
-77.5°	0.0	1.2	3.9	8.0	13.4	21.5	34.6	46.7	59.3	72.9	88.4
-80°	0.0	1.0	3.2	6.4	10.9	16.4	23.7	32.8	42.5	53.0	64.3
-82.5°	0.0	0.8	2.4	4.9	8.2	12.4	17.4	21.0	25.4	32.8	40.8
-85°	0.0	0.5	1.6	3.3	5.5	8.3	11.6	14.1	16.6	19.2	21.8
-87.5°	0.0	0.3	0.8	1.6	2.8	4.2	5.8	7.0	8.3	9.6	10.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: GFLD-SA2D-730-U-LAM-VSR-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°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
85°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.9	1.1	1.0	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	1.3	1.4	1.2	0.9	0.8	0.8	0.9	0.9	0.8	0.8	0.8
67.5°	1.6	1.4	1.2	1.1	1.1	1.3	1.2	1.0	0.8	0.8	0.8
65°	1.7	1.5	2.1	2.4	1.8	1.5	1.3	1.1	1.1	1.2	1.2
62.5°	2.5	3.1	4.0	7.1	5.3	1.6	2.8	3.2	2.4	2.0	2.1
60°	8.2	5.5	16.5	23.6	14.8	5.4	6.6	21.8	18.9	3.5	11.8
57.5°	17.2	23.5	43.4	44.2	30.5	21.0	61.3	70.8	53.6	31.2	47.8
55°	37.8	58.1	71.9	66.6	72.7	110.1	130.8	117.5	98.9	152.2	194.4
52.5°	73.8	94.5	99.2	113.9	163.0	187.3	179.5	191.9	248.9	309.1	322.2
50°	109.0	125.9	139.0	201.1	239.5	241.9	259.8	316.2	392.2	429.0	420.2
47.5°	142.9	160.5	221.9	281.5	298.7	322.4	367.0	475.9	556.4	558.0	548.9
45°	178.9	225.7	304.1	342.9	370.9	416.7	524.5	674.7	682.5	704.3	838.6
42.5°	217.3	299.3	367.7	408.1	453.4	538.7	682.5	781.1	815.0	910.6	1018.6
40°	279.5	370.4	430.2	481.8	540.0	664.6	822.1	914.4	942.0	1024.7	1105.9
37.5°	342.7	429.8	496.8	559.1	639.7	807.9	990.1	1066.3	1080.2	1095.4	1275.2
35°	403.5	490.7	570.9	652.4	751.3	993.4	1152.7	1224.3	1222.1	1324.2	1512.5
32.5°	460.3	553.0	647.6	756.7	919.9	1167.9	1327.3	1370.1	1435.1	1583.7	1840.8
30°	517.1	622.5	731.1	861.0	1067.8	1282.7	1464.7	1533.6	1645.1	1814.7	2001.8
27.5°	575.5	693.7	825.1	977.3	1184.5	1382.1	1537.5	1702.3	1810.6	1962.6	2095.7
25°	633.8	769.1	917.8	1079.0	1268.0	1452.1	1612.8	1803.2	1919.5	2042.0	2166.2
22.5°	694.8	845.5	1013.5	1159.6	1338.3	1511.6	1702.9	1909.4	2060.6	2138.5	2221.9
20°	758.7	928.2	1107.4	1269.2	1407.8	1566.9	1793.4	2044.3	2239.5	2327.1	2338.5
17.5°	821.6	1008.3	1201.0	1376.2	1525.6	1667.3	1888.4	2206.0	2448.6	2530.1	2566.3
15°	883.0	1085.4	1294.1	1480.3	1644.3	1817.5	2053.7	2376.6	2654.0	2744.1	2801.2
12.5°	942.2	1158.9	1385.7	1580.9	1763.1	1957.4	2203.8	2499.4	2752.6	2927.0	3031.6
10°	998.6	1228.3	1474.6	1677.6	1880.5	2087.1	2328.0	2590.9	2797.0	2965.2	3113.6
7.5°	1027.1	1273.7	1551.0	1769.5	1995.0	2207.0	2429.7	2655.3	2829.0	2993.9	3137.5
5°	1046.5	1292.3	1574.8	1801.5	2055.8	2287.0	2503.3	2697.7	2849.9	3013.3	3153.5
2.5°	1060.3	1304.4	1591.0	1819.0	2078.7	2311.6	2524.4	2711.9	2867.1	3027.2	3170.8
0°	1068.7	1310.1	1599.2	1829.8	2093.0	2327.8	2536.7	2717.2	2878.5	3033.9	3188.4
-2.5°	1073.4	1327.6	1604.7	1857.5	2106.8	2341.8	2553.9	2730.1	2898.6	3046.5	3201.5
-5°	1072.8	1338.1	1603.3	1876.2	2113.4	2347.2	2562.5	2735.9	2909.5	3055.9	3206.8
-7.5°	1067.0	1340.5	1596.1	1882.1	2113.7	2345.4	2558.8	2738.7	2909.4	3064.6	3207.3
-10°	1056.6	1331.1	1589.4	1867.0	2105.6	2335.9	2547.2	2732.6	2902.6	3062.9	3204.5
-12.5°	1044.4	1311.5	1575.4	1845.2	2089.1	2318.1	2529.7	2716.9	2889.9	3049.8	3198.1
-15°	1026.0	1285.5	1552.6	1817.6	2064.1	2292.2	2506.9	2691.4	2870.3	3026.9	3179.1
-17.5°	1001.3	1253.4	1520.3	1784.8	2030.3	2258.5	2477.7	2657.7	2835.7	2997.5	3144.4
-20°	970.1	1215.2	1478.5	1747.6	1987.4	2213.2	2425.6	2614.1	2790.9	2955.5	3109.9

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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°	932.5	1171.3	1428.1	1697.3	1933.9	2157.2	2367.0	2558.5	2741.7	2900.9	3065.5
-25°	894.9	1125.0	1372.4	1627.7	1871.8	2094.1	2304.5	2491.1	2678.3	2843.9	3000.2
-27.5°	858.8	1071.2	1307.8	1551.1	1801.3	2022.6	2231.1	2417.8	2599.6	2780.7	2931.2
-30°	818.3	1009.0	1236.9	1469.4	1713.2	1938.5	2148.6	2342.4	2515.4	2694.1	2855.7
-32.5°	773.5	943.0	1162.1	1385.7	1615.7	1845.9	2054.0	2246.5	2426.5	2595.5	2765.2
-35°	729.8	889.7	1082.8	1295.8	1512.3	1738.1	1946.4	2137.0	2323.8	2491.3	2653.4
-37.5°	690.5	832.0	998.4	1202.0	1408.8	1622.5	1834.3	2018.8	2196.6	2380.7	2538.8
-40°	647.9	770.0	925.4	1105.4	1300.3	1503.5	1706.3	1897.2	2064.3	2246.3	2420.1
-42.5°	603.4	719.5	853.4	1003.0	1187.1	1378.6	1574.4	1761.1	1934.7	2106.4	2278.6
-45°	564.3	666.1	780.1	916.8	1066.6	1246.8	1432.2	1618.4	1784.9	1948.5	2118.6
-47.5°	522.8	612.4	717.8	827.0	957.2	1107.9	1282.2	1453.9	1624.4	1780.1	1930.6
-50°	481.5	564.0	650.7	749.0	856.4	978.6	1123.4	1282.9	1438.7	1598.5	1747.6
-52.5°	445.9	513.2	591.5	673.5	765.5	866.5	982.6	1113.6	1255.3	1390.9	1539.7
-55°	409.0	469.6	532.8	605.0	681.6	766.8	861.9	972.1	1080.2	1205.6	1327.1
-57.5°	375.2	426.4	480.3	539.9	606.4	674.7	757.8	843.5	941.5	1039.0	1135.2
-60°	343.4	385.3	431.0	481.5	534.9	595.7	657.7	731.3	810.3	888.1	969.7
-62.5°	311.4	346.5	383.8	425.8	472.4	518.3	571.3	628.0	686.1	752.0	816.4
-65°	278.4	306.9	338.5	373.3	410.4	449.5	490.2	532.3	581.7	630.0	676.8
-67.5°	243.5	267.8	293.4	320.7	351.9	382.6	413.3	448.8	485.2	521.0	558.0
-70°	204.7	227.6	248.9	271.1	294.3	318.4	344.6	370.6	396.2	423.0	452.8
-72.5°	165.2	186.4	205.1	221.5	240.5	260.5	279.7	297.9	317.3	337.6	357.8
-75°	131.8	145.7	162.5	177.8	192.9	207.0	219.6	235.1	251.2	266.0	278.2
-77.5°	102.9	115.5	127.0	137.3	149.3	163.4	175.7	186.2	196.5	207.7	219.5
-80°	74.8	85.3	95.8	105.3	112.2	120.2	129.6	140.4	149.7	157.3	164.2
-82.5°	48.3	55.9	63.7	71.6	74.8	77.0	79.1	82.8	88.6	94.3	99.7
-85°	24.1	26.3	31.0	35.8	37.5	38.7	39.5	40.0	41.9	43.7	45.3
-87.5°	12.0	13.1	14.2	15.3	14.7	14.0	13.0	11.8	11.5	11.2	10.8
-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°
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°	0.7	0.7	0.7	0.7	0.7	0.6	0.4	0.2	0.0	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.4
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67.5°	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.5
65°	1.2	1.1	1.2	1.2	1.0	1.0	1.0	1.0	0.9	0.7	0.5
62.5°	2.1	2.4	1.9	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.5
60°	13.1	7.7	4.5	5.3	4.7	3.2	4.0	4.7	4.8	4.3	3.8
57.5°	72.6	54.2	40.2	95.9	96.2	45.9	55.3	86.9	71.6	23.5	21.8
55°	202.0	241.6	318.0	302.1	307.0	353.1	385.6	341.3	334.6	356.6	411.9
52.5°	363.0	400.8	426.5	450.5	479.8	511.2	543.6	564.2	583.5	604.0	616.2
50°	463.5	516.8	553.3	539.8	615.6	646.5	615.1	643.2	677.5	686.9	691.3
47.5°	684.5	762.5	778.0	828.3	873.4	872.5	834.1	836.3	938.4	1028.4	1072.7
45°	983.6	986.3	1035.4	1124.2	1187.6	1167.6	1221.2	1342.9	1383.4	1422.6	1454.7
42.5°	1100.2	1148.5	1226.8	1305.3	1352.6	1393.6	1433.3	1478.0	1530.7	1573.3	1607.4
40°	1213.0	1251.9	1332.1	1395.3	1434.5	1472.8	1519.0	1568.7	1616.8	1654.3	1679.8
37.5°	1386.7	1416.9	1436.4	1495.1	1569.2	1535.0	1622.7	1685.6	1714.3	1752.4	1755.8
35°	1649.5	1629.5	1603.5	1837.1	1851.0	1772.2	1854.2	1951.6	1900.2	2007.2	2064.7
32.5°	1882.5	1879.5	2083.4	2206.2	2135.6	2193.3	2382.3	2373.9	2499.8	2558.3	2541.6
30°	2102.0	2176.9	2294.8	2386.3	2398.6	2489.5	2573.4	2646.9	2723.0	2791.1	2795.9
27.5°	2213.5	2311.2	2391.2	2444.2	2503.3	2579.8	2655.9	2738.7	2803.4	2846.1	2856.6
25°	2280.9	2380.7	2441.3	2498.3	2563.5	2629.5	2714.8	2805.0	2856.9	2883.3	2891.7
22.5°	2340.3	2430.0	2495.2	2541.4	2611.6	2682.6	2762.1	2838.5	2894.9	2906.4	2910.6
20°	2397.5	2483.7	2592.5	2660.6	2657.2	2737.2	2813.9	2874.5	2921.6	2921.3	2922.5
17.5°	2563.0	2593.7	2791.2	2941.2	2867.0	2827.8	3038.5	3042.5	3055.0	3030.1	2976.2
15°	2808.0	2864.0	3106.7	3269.2	3218.0	3215.3	3519.6	3444.2	3509.1	3492.1	3565.2
12.5°	3067.5	3133.8	3315.2	3474.8	3550.9	3569.5	3671.2	3766.4	3786.0	3778.2	3763.9
10°	3244.3	3338.8	3411.6	3508.5	3585.3	3663.5	3722.4	3790.8	3813.1	3800.2	3781.9
7.5°	3267.4	3360.7	3446.2	3531.3	3604.3	3667.4	3728.5	3784.1	3806.9	3799.4	3786.8
5°	3282.0	3366.6	3449.5	3535.7	3605.6	3664.0	3724.9	3781.3	3794.7	3785.7	3773.4
2.5°	3291.1	3369.3	3449.2	3535.1	3598.6	3654.1	3715.8	3776.0	3775.9	3771.9	3764.8
0°	3295.4	3373.9	3466.7	3544.4	3615.4	3668.1	3729.0	3787.5	3783.4	3772.5	3760.0
-2.5°	3304.8	3384.3	3479.0	3543.4	3623.5	3671.7	3734.8	3785.4	3783.5	3778.1	3771.9
-5°	3313.1	3402.6	3491.2	3558.9	3639.2	3702.3	3764.9	3804.5	3806.6	3799.2	3788.7
-7.5°	3318.3	3417.4	3502.0	3570.0	3647.8	3721.2	3784.7	3826.3	3827.2	3817.3	3804.8
-10°	3316.6	3421.3	3508.2	3578.6	3658.3	3730.7	3797.2	3849.8	3848.1	3838.7	3828.0
-12.5°	3310.3	3414.9	3504.2	3574.7	3665.3	3739.8	3814.5	3866.9	3869.7	3862.6	3851.2
-15°	3296.6	3404.5	3491.4	3568.4	3657.1	3744.2	3821.0	3878.9	3889.2	3883.4	3874.3
-17.5°	3269.3	3383.3	3475.4	3558.4	3643.5	3736.4	3823.7	3887.0	3901.1	3898.8	3891.2
-20°	3233.5	3351.2	3444.7	3531.6	3624.3	3720.0	3821.6	3879.5	3899.9	3901.2	3896.1



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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°	3193.4	3308.6	3407.8	3493.2	3593.7	3690.6	3782.6	3850.3	3884.7	3891.1	3891.5
-25°	3145.3	3263.6	3362.2	3453.2	3546.7	3646.7	3739.7	3815.3	3850.1	3866.8	3871.9
-27.5°	3077.3	3199.6	3296.6	3392.8	3487.9	3591.2	3689.0	3771.1	3799.5	3822.4	3831.6
-30°	2997.7	3118.6	3217.5	3305.4	3414.2	3519.6	3620.5	3692.1	3734.9	3761.1	3775.4
-32.5°	2906.1	3028.2	3132.0	3223.8	3327.2	3432.5	3527.4	3603.0	3662.0	3692.2	3707.5
-35°	2806.8	2931.4	3040.1	3136.8	3234.2	3334.6	3432.9	3512.0	3579.1	3605.1	3624.3
-37.5°	2687.0	2824.5	2935.9	3035.6	3128.2	3222.5	3325.0	3415.4	3480.6	3505.8	3526.0
-40°	2564.1	2697.0	2809.4	2915.8	3007.2	3110.3	3209.0	3303.7	3360.3	3389.7	3412.6
-42.5°	2434.5	2554.5	2661.4	2764.8	2866.5	2972.6	3071.2	3169.7	3218.7	3254.1	3282.2
-45°	2284.8	2396.5	2500.4	2597.1	2702.1	2806.3	2904.9	2992.0	3050.2	3096.3	3132.2
-47.5°	2085.2	2221.3	2325.6	2417.6	2521.6	2622.3	2717.9	2799.7	2863.5	2917.5	2959.1
-50°	1882.5	2013.1	2130.7	2234.1	2330.6	2423.7	2514.7	2594.8	2662.3	2720.7	2762.9
-52.5°	1682.9	1805.2	1921.9	2028.6	2121.4	2209.3	2292.6	2373.1	2444.4	2506.8	2547.7
-55°	1457.3	1584.1	1699.5	1799.0	1891.7	1978.6	2060.8	2137.2	2207.3	2270.9	2310.0
-57.5°	1245.7	1356.9	1464.3	1556.2	1643.7	1726.4	1804.3	1877.5	1945.0	2004.8	2042.5
-60°	1051.2	1132.3	1224.7	1309.6	1387.1	1457.5	1530.2	1598.4	1660.5	1713.1	1748.2
-62.5°	879.3	946.5	1013.2	1077.7	1140.7	1203.9	1264.8	1321.3	1373.2	1416.3	1447.1
-65°	726.1	780.1	828.4	874.1	917.7	967.5	1013.8	1057.4	1097.7	1130.8	1154.2
-67.5°	597.9	635.9	669.2	700.6	735.0	770.2	803.3	832.0	856.6	876.2	891.7
-70°	482.2	510.1	535.3	560.3	585.4	608.3	630.2	651.3	671.4	687.8	700.1
-72.5°	377.6	396.7	413.8	433.1	451.1	468.5	483.7	495.9	505.4	514.6	522.6
-75°	287.9	302.2	321.5	337.9	351.4	363.3	374.2	384.0	392.6	400.1	406.8
-77.5°	231.5	243.7	256.0	267.9	279.4	288.0	296.0	303.9	311.7	318.4	324.4
-80°	171.6	180.7	190.2	199.7	209.2	214.0	217.7	221.2	224.3	228.3	232.1
-82.5°	104.9	110.1	115.4	120.7	126.1	127.4	127.8	127.7	127.0	125.5	123.3
-85°	46.7	47.0	46.8	46.3	45.4	43.6	41.3	38.7	35.7	35.3	34.7
-87.5°	10.2	10.0	9.7	9.4	9.1	9.1	9.0	9.0	8.9	9.2	9.5
-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):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
85°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.7	0.7
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.4	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.4	0.0	0.4	0.8	0.8	0.8	0.8	0.8	0.8
67.5°	0.3	0.1	0.0	0.0	0.0	0.1	0.3	0.5	0.7	0.8	0.8
65°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.7	0.9	1.0
62.5°	1.6	1.6	1.7	1.7	1.7	1.6	1.6	1.5	1.4	1.5	1.6
60°	3.0	2.0	1.7	1.7	1.7	2.0	3.0	3.8	4.3	4.8	4.7
57.5°	18.4	13.7	11.7	10.9	11.7	13.7	18.4	21.8	23.5	71.6	86.9
55°	451.5	474.5	491.7	499.7	491.7	474.5	451.5	411.9	356.6	334.6	341.3
52.5°	626.9	637.0	642.7	642.5	642.7	637.0	626.9	616.2	604.0	583.5	564.2
50°	698.8	703.7	705.4	704.4	705.4	703.7	698.8	691.3	686.9	677.5	643.2
47.5°	1032.3	942.9	877.2	861.4	877.2	942.9	1032.3	1072.7	1028.4	938.4	836.3
45°	1470.1	1504.0	1537.8	1548.3	1537.8	1504.0	1470.1	1454.7	1422.6	1383.4	1342.9
42.5°	1621.8	1632.8	1639.0	1639.3	1639.0	1632.8	1621.8	1607.4	1573.3	1530.7	1478.0
40°	1694.2	1704.6	1710.7	1711.2	1710.7	1704.6	1694.2	1679.8	1654.3	1616.8	1568.7
37.5°	1759.9	1768.8	1774.6	1780.6	1774.6	1768.8	1759.9	1755.8	1752.4	1714.3	1685.6
35°	2057.0	1989.7	1892.9	1907.6	1892.9	1989.7	2057.0	2064.7	2007.2	1900.2	1951.6
32.5°	2567.7	2596.0	2613.6	2643.7	2613.6	2596.0	2567.7	2541.6	2558.3	2499.8	2373.9
30°	2803.3	2812.7	2826.8	2841.7	2826.8	2812.7	2803.3	2795.9	2791.1	2723.0	2646.9
27.5°	2862.1	2871.8	2880.4	2886.8	2880.4	2871.8	2862.1	2856.6	2846.1	2803.4	2738.7
25°	2892.9	2898.9	2908.0	2916.1	2908.0	2898.9	2892.9	2891.7	2883.3	2856.9	2805.0
22.5°	2908.2	2908.8	2915.9	2926.1	2915.9	2908.8	2908.2	2910.6	2906.4	2894.9	2838.5
20°	2918.7	2913.0	2920.3	2926.9	2920.3	2913.0	2918.7	2922.5	2921.3	2921.6	2874.5
17.5°	3052.3	2976.0	2944.7	2945.3	2944.7	2976.0	3052.3	2976.2	3030.1	3055.0	3042.5
15°	3483.2	3511.8	3621.4	3680.6	3621.4	3511.8	3483.2	3565.2	3492.1	3509.1	3444.2
12.5°	3761.2	3751.0	3738.0	3755.8	3738.0	3751.0	3761.2	3763.9	3778.2	3786.0	3766.4
10°	3774.1	3772.9	3749.8	3775.0	3749.8	3772.9	3774.1	3781.9	3800.2	3813.1	3790.8
7.5°	3766.2	3766.9	3757.0	3781.7	3757.0	3766.9	3766.2	3786.8	3799.4	3806.9	3784.1
5°	3771.5	3754.5	3760.9	3775.0	3760.9	3754.5	3771.5	3773.4	3785.7	3794.7	3781.3
2.5°	3756.9	3755.1	3742.6	3752.4	3742.6	3755.1	3756.9	3764.8	3771.9	3775.9	3776.0
0°	3745.8	3736.6	3736.6	3744.9	3736.6	3736.6	3745.8	3760.0	3772.5	3783.4	3787.5
-2.5°	3765.6	3763.6	3762.4	3756.6	3762.4	3763.6	3765.6	3771.9	3778.1	3783.5	3785.4
-5°	3781.8	3776.8	3763.1	3781.7	3763.1	3776.8	3781.8	3788.7	3799.2	3806.6	3804.5
-7.5°	3799.3	3786.5	3773.6	3802.6	3773.6	3786.5	3799.3	3804.8	3817.3	3827.2	3826.3
-10°	3815.2	3796.9	3784.2	3812.6	3784.2	3796.9	3815.2	3828.0	3838.7	3848.1	3849.8
-12.5°	3836.3	3814.9	3806.4	3821.8	3806.4	3814.9	3836.3	3851.2	3862.6	3869.7	3866.9
-15°	3858.8	3844.0	3842.0	3851.0	3842.0	3844.0	3858.8	3874.3	3883.4	3889.2	3878.9
-17.5°	3878.5	3868.1	3873.2	3883.6	3873.2	3868.1	3878.5	3891.2	3898.8	3901.1	3887.0
-20°	3888.0	3882.2	3888.0	3913.7	3888.0	3882.2	3888.0	3896.1	3901.2	3899.9	3879.5

Classified

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

Scaled Data Report



REPORT NUMBER: P645383 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-730-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3887.2	3887.5	3897.7	3906.2	3897.7	3887.5	3887.2	3891.5	3891.1	3884.7	3850.3
-25°	3872.3	3880.2	3891.9	3908.7	3891.9	3880.2	3872.3	3871.9	3866.8	3850.1	3815.3
-27.5°	3836.6	3849.5	3861.8	3879.4	3861.8	3849.5	3836.6	3831.6	3822.4	3799.5	3771.1
-30°	3784.9	3800.3	3811.2	3830.1	3811.2	3800.3	3784.9	3775.4	3761.1	3734.9	3692.1
-32.5°	3721.9	3739.4	3752.3	3765.8	3752.3	3739.4	3721.9	3707.5	3692.2	3662.0	3603.0
-35°	3643.2	3662.0	3675.8	3688.1	3675.8	3662.0	3643.2	3624.3	3605.1	3579.1	3512.0
-37.5°	3548.7	3569.0	3584.6	3598.7	3584.6	3569.0	3548.7	3526.0	3505.8	3480.6	3415.4
-40°	3438.6	3459.4	3476.1	3491.8	3476.1	3459.4	3438.6	3412.6	3389.7	3360.3	3303.7
-42.5°	3309.8	3330.8	3348.0	3363.9	3348.0	3330.8	3309.8	3282.2	3254.1	3218.7	3169.7
-45°	3161.1	3182.7	3200.9	3217.7	3200.9	3182.7	3161.1	3132.2	3096.3	3050.2	2992.0
-47.5°	2989.8	3012.9	3028.5	3036.4	3028.5	3012.9	2989.8	2959.1	2917.5	2863.5	2799.7
-50°	2793.5	2816.6	2835.4	2849.2	2835.4	2816.6	2793.5	2762.9	2720.7	2662.3	2594.8
-52.5°	2577.4	2599.4	2615.5	2625.3	2615.5	2599.4	2577.4	2547.7	2506.8	2444.4	2373.1
-55°	2340.8	2363.9	2379.1	2386.3	2379.1	2363.9	2340.8	2310.0	2270.9	2207.3	2137.2
-57.5°	2072.4	2094.3	2110.6	2119.8	2110.6	2094.3	2072.4	2042.5	2004.8	1945.0	1877.5
-60°	1775.6	1795.1	1807.5	1812.3	1807.5	1795.1	1775.6	1748.2	1713.1	1660.5	1598.4
-62.5°	1471.9	1490.4	1502.0	1506.5	1502.0	1490.4	1471.9	1447.1	1416.3	1373.2	1321.3
-65°	1171.7	1183.3	1189.7	1190.7	1189.7	1183.3	1171.7	1154.2	1130.8	1097.7	1057.4
-67.5°	903.9	912.7	918.1	919.9	918.1	912.7	903.9	891.7	876.2	856.6	832.0
-70°	709.3	715.4	718.8	719.4	718.8	715.4	709.3	700.1	687.8	671.4	651.3
-72.5°	528.8	533.2	531.6	528.1	531.6	533.2	528.8	522.6	514.6	505.4	495.9
-75°	412.5	417.3	415.3	411.9	415.3	417.3	412.5	406.8	400.1	392.6	384.0
-77.5°	329.6	333.9	331.8	328.4	331.8	333.9	329.6	324.4	318.4	311.7	303.9
-80°	235.3	237.9	239.7	240.6	239.7	237.9	235.3	232.1	228.3	224.3	221.2
-82.5°	120.4	116.9	114.7	112.0	114.7	116.9	120.4	123.3	125.5	127.0	127.7
-85°	34.0	33.2	33.8	34.3	33.8	33.2	34.0	34.7	35.3	35.7	38.7
-87.5°	9.7	10.0	10.0	10.0	10.0	10.0	9.7	9.5	9.2	8.9	9.0
-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: P645383 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-730-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	1.0
65°	1.0	1.0	1.0	1.2	1.2	1.1	1.2	1.2	1.2	1.1	1.1
62.5°	1.7	1.8	1.8	1.9	1.9	2.4	2.1	2.1	2.0	2.4	3.2
60°	4.0	3.2	4.7	5.3	4.5	7.7	13.1	11.8	3.5	18.9	21.8
57.5°	55.3	45.9	96.2	95.9	40.2	54.2	72.6	47.8	31.2	53.6	70.8
55°	385.6	353.1	307.0	302.1	318.0	241.6	202.0	194.4	152.2	98.9	117.5
52.5°	543.6	511.2	479.8	450.5	426.5	400.8	363.0	322.2	309.1	248.9	191.9
50°	615.1	646.5	615.6	539.8	553.3	516.8	463.5	420.2	429.0	392.2	316.2
47.5°	834.1	872.5	873.4	828.3	778.0	762.5	684.5	548.9	558.0	556.4	475.9
45°	1221.2	1167.6	1187.6	1124.2	1035.4	986.3	983.6	838.6	704.3	682.5	674.7
42.5°	1433.3	1393.6	1352.6	1305.3	1226.8	1148.5	1100.2	1018.6	910.6	815.0	781.1
40°	1519.0	1472.8	1434.5	1395.3	1332.1	1251.9	1213.0	1105.9	1024.7	942.0	914.4
37.5°	1622.7	1535.0	1569.2	1495.1	1436.4	1416.9	1386.7	1275.2	1095.4	1080.2	1066.3
35°	1854.2	1772.2	1851.0	1837.1	1603.5	1629.5	1649.5	1512.5	1324.2	1222.1	1224.3
32.5°	2382.3	2193.3	2135.6	2206.2	2083.4	1879.5	1882.5	1840.8	1583.7	1435.1	1370.1
30°	2573.4	2489.5	2398.6	2386.3	2294.8	2176.9	2102.0	2001.8	1814.7	1645.1	1533.6
27.5°	2655.9	2579.8	2503.3	2444.2	2391.2	2311.2	2213.5	2095.7	1962.6	1810.6	1702.3
25°	2714.8	2629.5	2563.5	2498.3	2441.3	2380.7	2280.9	2166.2	2042.0	1919.5	1803.2
22.5°	2762.1	2682.6	2611.6	2541.4	2495.2	2430.0	2340.3	2221.9	2138.5	2060.6	1909.4
20°	2813.9	2737.2	2657.2	2660.6	2592.5	2483.7	2397.5	2338.5	2327.1	2239.5	2044.3
17.5°	3038.5	2827.8	2867.0	2941.2	2791.2	2593.7	2563.0	2566.3	2530.1	2448.6	2206.0
15°	3519.6	3215.3	3218.0	3269.2	3106.7	2864.0	2808.0	2801.2	2744.1	2654.0	2376.6
12.5°	3671.2	3569.5	3550.9	3474.8	3315.2	3133.8	3067.5	3031.6	2927.0	2752.6	2499.4
10°	3722.4	3663.5	3585.3	3508.5	3411.6	3338.8	3244.3	3113.6	2965.2	2797.0	2590.9
7.5°	3728.5	3667.4	3604.3	3531.3	3446.2	3360.7	3267.4	3137.5	2993.9	2829.0	2655.3
5°	3724.9	3664.0	3605.6	3535.7	3449.5	3366.6	3282.0	3153.5	3013.3	2849.9	2697.7
2.5°	3715.8	3654.1	3598.6	3535.1	3449.2	3369.3	3291.1	3170.8	3027.2	2867.1	2711.9
0°	3729.0	3668.1	3615.4	3544.4	3466.7	3373.9	3295.4	3188.4	3033.9	2878.5	2717.2
-2.5°	3734.8	3671.7	3623.5	3543.4	3479.0	3384.3	3304.8	3201.5	3046.5	2898.6	2730.1
-5°	3764.9	3702.3	3639.2	3558.9	3491.2	3402.6	3313.1	3206.8	3055.9	2909.5	2735.9
-7.5°	3784.7	3721.2	3647.8	3570.0	3502.0	3417.4	3318.3	3207.3	3064.6	2909.4	2738.7
-10°	3797.2	3730.7	3658.3	3578.6	3508.2	3421.3	3316.6	3204.5	3062.9	2902.6	2732.6
-12.5°	3814.5	3739.8	3665.3	3574.7	3504.2	3414.9	3310.3	3198.1	3049.8	2889.9	2716.9
-15°	3821.0	3744.2	3657.1	3568.4	3491.4	3404.5	3296.6	3179.1	3026.9	2870.3	2691.4
-17.5°	3823.7	3736.4	3643.5	3558.4	3475.4	3383.3	3269.3	3144.4	2997.5	2835.7	2657.7
-20°	3821.6	3720.0	3624.3	3531.6	3444.7	3351.2	3233.5	3109.9	2955.5	2790.9	2614.1



REPORT NUMBER: P645383 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-730-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3782.6	3690.6	3593.7	3493.2	3407.8	3308.6	3193.4	3065.5	2900.9	2741.7	2558.5
-25°	3739.7	3646.7	3546.7	3453.2	3362.2	3263.6	3145.3	3000.2	2843.9	2678.3	2491.1
-27.5°	3689.0	3591.2	3487.9	3392.8	3296.6	3199.6	3077.3	2931.2	2780.7	2599.6	2417.8
-30°	3620.5	3519.6	3414.2	3305.4	3217.5	3118.6	2997.7	2855.7	2694.1	2515.4	2342.4
-32.5°	3527.4	3432.5	3327.2	3223.8	3132.0	3028.2	2906.1	2765.2	2595.5	2426.5	2246.5
-35°	3432.9	3334.6	3234.2	3136.8	3040.1	2931.4	2806.8	2653.4	2491.3	2323.8	2137.0
-37.5°	3325.0	3222.5	3128.2	3035.6	2935.9	2824.5	2687.0	2538.8	2380.7	2196.6	2018.8
-40°	3209.0	3110.3	3007.2	2915.8	2809.4	2697.0	2564.1	2420.1	2246.3	2064.3	1897.2
-42.5°	3071.2	2972.6	2866.5	2764.8	2661.4	2554.5	2434.5	2278.6	2106.4	1934.7	1761.1
-45°	2904.9	2806.3	2702.1	2597.1	2500.4	2396.5	2284.8	2118.6	1948.5	1784.9	1618.4
-47.5°	2717.9	2622.3	2521.6	2417.6	2325.6	2221.3	2085.2	1930.6	1780.1	1624.4	1453.9
-50°	2514.7	2423.7	2330.6	2234.1	2130.7	2013.1	1882.5	1747.6	1598.5	1438.7	1282.9
-52.5°	2292.6	2209.3	2121.4	2028.6	1921.9	1805.2	1682.9	1539.7	1390.9	1255.3	1113.6
-55°	2060.8	1978.6	1891.7	1799.0	1699.5	1584.1	1457.3	1327.1	1205.6	1080.2	972.1
-57.5°	1804.3	1726.4	1643.7	1556.2	1464.3	1356.9	1245.7	1135.2	1039.0	941.5	843.5
-60°	1530.2	1457.5	1387.1	1309.6	1224.7	1132.3	1051.2	969.7	888.1	810.3	731.3
-62.5°	1264.8	1203.9	1140.7	1077.7	1013.2	946.5	879.3	816.4	752.0	686.1	628.0
-65°	1013.8	967.5	917.7	874.1	828.4	780.1	726.1	676.8	630.0	581.7	532.3
-67.5°	803.3	770.2	735.0	700.6	669.2	635.9	597.9	558.0	521.0	485.2	448.8
-70°	630.2	608.3	585.4	560.3	535.3	510.1	482.2	452.8	423.0	396.2	370.6
-72.5°	483.7	468.5	451.1	433.1	413.8	396.7	377.6	357.8	337.6	317.3	297.9
-75°	374.2	363.3	351.4	337.9	321.5	302.2	287.9	278.2	266.0	251.2	235.1
-77.5°	296.0	288.0	279.4	267.9	256.0	243.7	231.5	219.5	207.7	196.5	186.2
-80°	217.7	214.0	209.2	199.7	190.2	180.7	171.6	164.2	157.3	149.7	140.4
-82.5°	127.8	127.4	126.1	120.7	115.4	110.1	104.9	99.7	94.3	88.6	82.8
-85°	41.3	43.6	45.4	46.3	46.8	47.0	46.7	45.3	43.7	41.9	40.0
-87.5°	9.0	9.1	9.1	9.4	9.7	10.0	10.2	10.8	11.2	11.5	11.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645383 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-730-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.4
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.8	0.9	0.9
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.3	1.3
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.1	1.3	1.5
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.1	1.3	1.5
75°	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.9	1.1	1.3	1.5
72.5°	0.8	0.8	0.8	0.9	1.0	1.1	0.9	0.9	1.1	1.3	1.5
70°	0.9	0.8	0.8	0.9	1.2	1.4	1.3	1.3	1.2	1.4	1.6
67.5°	1.2	1.3	1.1	1.1	1.2	1.4	1.6	1.9	1.9	1.4	1.6
65°	1.3	1.5	1.8	2.4	2.1	1.5	1.7	3.3	2.6	2.2	1.6
62.5°	2.8	1.6	5.3	7.1	4.0	3.1	2.5	7.3	4.6	3.1	2.3
60°	6.6	5.4	14.8	23.6	16.5	5.5	8.2	12.6	11.6	4.0	3.2
57.5°	61.3	21.0	30.5	44.2	43.4	23.5	17.2	22.9	19.7	11.4	4.4
55°	130.8	110.1	72.7	66.6	71.9	58.1	37.8	37.1	30.4	21.1	7.2
52.5°	179.5	187.3	163.0	113.9	99.2	94.5	73.8	53.7	47.7	31.6	18.3
50°	259.8	241.9	239.5	201.1	139.0	125.9	109.0	84.0	67.0	45.2	30.9
47.5°	367.0	322.4	298.7	281.5	221.9	160.5	142.9	114.9	88.2	65.2	44.1
45°	524.5	416.7	370.9	342.9	304.1	225.7	178.9	144.9	115.0	87.5	58.0
42.5°	682.5	538.7	453.4	408.1	367.7	299.3	217.3	179.5	141.1	110.2	75.5
40°	822.1	664.6	540.0	481.8	430.2	370.4	279.5	216.5	166.6	133.6	95.5
37.5°	990.1	807.9	639.7	559.1	496.8	429.8	342.7	255.1	197.4	158.1	115.5
35°	1152.7	993.4	751.3	652.4	570.9	490.7	403.5	300.8	235.1	183.1	135.5
32.5°	1327.3	1167.9	919.9	756.7	647.6	553.0	460.3	356.3	273.0	208.3	155.5
30°	1464.7	1282.7	1067.8	861.0	731.1	622.5	517.1	409.6	311.1	233.8	175.6
27.5°	1537.5	1382.1	1184.5	977.3	825.1	693.7	575.5	460.6	349.0	261.8	196.6
25°	1612.8	1452.1	1268.0	1079.0	917.8	769.1	633.8	509.1	390.5	293.3	217.3
22.5°	1702.9	1511.6	1338.3	1159.6	1013.5	845.5	694.8	558.3	432.0	324.3	237.7
20°	1793.4	1566.9	1407.8	1269.2	1107.4	928.2	758.7	606.2	471.1	354.4	257.7
17.5°	1888.4	1667.3	1525.6	1376.2	1201.0	1008.3	821.6	652.7	507.8	383.6	277.1
15°	2053.7	1817.5	1644.3	1480.3	1294.1	1085.4	883.0	697.4	542.0	411.6	295.1
12.5°	2203.8	1957.4	1763.1	1580.9	1385.7	1158.9	942.2	739.8	573.7	434.0	311.2
10°	2328.0	2087.1	1880.5	1677.6	1474.6	1228.3	998.6	774.4	592.7	450.6	326.0
7.5°	2429.7	2207.0	1995.0	1769.5	1551.0	1273.7	1027.1	794.6	607.5	464.8	339.5
5°	2503.3	2287.0	2055.8	1801.5	1574.8	1292.3	1046.5	811.0	619.4	476.7	351.6
2.5°	2524.4	2311.6	2078.7	1819.0	1591.0	1304.4	1060.3	823.6	628.5	486.3	362.4
0°	2536.7	2327.8	2093.0	1829.8	1599.2	1310.1	1068.7	832.2	635.0	493.8	371.8
-2.5°	2553.9	2341.8	2106.8	1857.5	1604.7	1327.6	1073.4	837.8	643.2	496.5	377.3
-5°	2562.5	2347.2	2113.4	1876.2	1603.3	1338.1	1072.8	839.6	648.5	497.5	381.3
-7.5°	2558.8	2345.4	2113.7	1882.1	1596.1	1340.5	1067.0	837.7	650.7	496.8	383.8
-10°	2547.2	2335.9	2105.6	1867.0	1589.4	1331.1	1056.6	832.4	649.4	494.7	384.8
-12.5°	2529.7	2318.1	2089.1	1845.2	1575.4	1311.5	1044.4	823.3	644.2	491.2	384.1
-15°	2506.9	2292.2	2064.1	1817.6	1552.6	1285.5	1026.0	810.1	634.0	487.4	381.9
-17.5°	2477.7	2258.5	2030.3	1784.8	1520.3	1253.4	1001.3	792.8	621.2	482.6	377.3
-20°	2425.6	2213.2	1987.4	1747.6	1478.5	1215.2	970.1	771.5	606.0	475.9	370.7



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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°	2367.0	2157.2	1933.9	1697.3	1428.1	1171.3	932.5	746.3	588.5	467.1	362.8
-25°	2304.5	2094.1	1871.8	1627.7	1372.4	1125.0	894.9	717.0	568.7	456.2	353.6
-27.5°	2231.1	2022.6	1801.3	1551.1	1307.8	1071.2	858.8	691.1	549.6	443.3	343.2
-30°	2148.6	1938.5	1713.2	1469.4	1236.9	1009.0	818.3	663.4	533.4	429.1	331.6
-32.5°	2054.0	1845.9	1615.7	1385.7	1162.1	943.0	773.5	633.8	514.7	414.1	320.9
-35°	1946.4	1738.1	1512.3	1295.8	1082.8	889.7	729.8	602.4	493.5	397.9	309.6
-37.5°	1834.3	1622.5	1408.8	1202.0	998.4	832.0	690.5	571.4	469.9	380.5	297.1
-40°	1706.3	1503.5	1300.3	1105.4	925.4	770.0	647.9	540.8	447.5	362.1	283.4
-42.5°	1574.4	1378.6	1187.1	1003.0	853.4	719.5	603.4	507.8	423.9	344.2	268.6
-45°	1432.2	1246.8	1066.6	916.8	780.1	666.1	564.3	473.6	398.8	325.9	253.2
-47.5°	1282.2	1107.9	957.2	827.0	717.8	612.4	522.8	444.1	372.4	306.3	237.9
-50°	1123.4	978.6	856.4	749.0	650.7	564.0	481.5	413.2	348.1	284.7	221.8
-52.5°	982.6	866.5	765.5	673.5	591.5	513.2	445.9	381.4	323.1	263.9	205.0
-55°	861.9	766.8	681.6	605.0	532.8	469.6	409.0	353.2	297.5	243.2	188.0
-57.5°	757.8	674.7	606.4	539.9	480.3	426.4	375.2	324.4	272.9	221.7	174.4
-60°	657.7	595.7	534.9	481.5	431.0	385.3	343.4	295.6	248.0	200.2	159.5
-62.5°	571.3	518.3	472.4	425.8	383.8	346.5	311.4	267.4	222.5	180.3	143.2
-65°	490.2	449.5	410.4	373.3	338.5	306.9	278.4	238.6	196.9	159.2	126.4
-67.5°	413.3	382.6	351.9	320.7	293.4	267.8	243.5	207.4	170.2	137.0	109.6
-70°	344.6	318.4	294.3	271.1	248.9	227.6	204.7	174.3	142.2	117.1	92.5
-72.5°	279.7	260.5	240.5	221.5	205.1	186.4	165.2	141.5	119.1	96.9	75.0
-75°	219.6	207.0	192.9	177.8	162.5	145.7	131.8	115.2	95.6	76.3	60.4
-77.5°	175.7	163.4	149.3	137.3	127.0	115.5	102.9	88.4	72.9	59.3	46.7
-80°	129.6	120.2	112.2	105.3	95.8	85.3	74.8	64.3	53.0	42.5	32.8
-82.5°	79.1	77.0	74.8	71.6	63.7	55.9	48.3	40.8	32.8	25.4	21.0
-85°	39.5	38.7	37.5	35.8	31.0	26.3	24.1	21.8	19.2	16.6	14.1
-87.5°	13.0	14.0	14.7	15.3	14.2	13.1	12.0	10.9	9.6	8.3	7.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.4	0.3	0.2	0.1	0.1	0.0
85°	0.9	0.7	0.6	0.4	0.3	0.2	0.0
82.5°	1.3	1.1	0.9	0.7	0.4	0.3	0.0
80°	1.7	1.5	1.2	0.9	0.6	0.4	0.0
77.5°	1.7	1.7	1.5	1.1	0.7	0.5	0.0
75°	1.7	1.8	1.7	1.3	0.9	0.5	0.0
72.5°	1.7	1.8	1.8	1.5	1.0	0.6	0.0
70°	1.8	1.9	1.9	1.7	1.2	0.7	0.0
67.5°	2.0	1.9	1.9	1.8	1.3	0.8	0.0
65°	2.3	2.2	2.0	1.9	1.5	0.9	0.0
62.5°	2.6	2.8	2.1	2.0	1.7	1.0	0.0
60°	3.1	3.4	2.2	2.0	1.8	1.1	0.0
57.5°	5.7	4.0	2.8	2.1	1.9	1.2	0.0
55°	9.1	4.8	3.5	2.2	2.0	1.2	0.0
52.5°	13.1	6.1	4.3	2.3	2.1	1.3	0.0
50°	17.6	10.4	5.0	2.4	2.2	1.4	0.0
47.5°	23.7	15.0	5.8	2.6	2.3	1.5	0.0
45°	35.7	19.9	6.7	3.2	2.4	1.6	0.0
42.5°	48.1	25.2	7.5	3.9	2.5	1.6	0.0
40°	60.7	30.7	10.1	4.7	2.6	1.7	0.0
37.5°	73.6	36.6	14.5	5.7	2.7	1.8	0.0
35°	86.6	45.5	18.9	6.8	2.8	1.9	0.0
32.5°	100.8	55.8	23.4	8.0	2.9	1.9	0.0
30°	117.0	66.0	27.9	9.4	3.0	2.0	0.0
27.5°	132.9	76.1	33.5	10.8	3.1	2.1	0.0
25°	148.4	86.0	39.2	12.3	3.2	2.1	0.0
22.5°	163.4	96.2	44.9	13.8	3.3	2.2	0.0
20°	178.0	107.1	50.6	15.4	3.4	2.2	0.0
17.5°	192.3	117.6	56.1	17.0	3.6	2.3	0.0
15°	206.2	127.7	61.5	18.7	3.7	2.3	0.0
12.5°	219.1	137.3	66.8	20.3	3.8	2.4	0.0
10°	231.1	146.5	71.8	21.9	3.9	2.4	0.0
7.5°	242.1	155.0	76.5	23.5	4.0	2.4	0.0
5°	252.1	162.8	80.9	24.9	4.0	2.5	0.0
2.5°	261.1	170.0	85.0	26.3	4.1	2.5	0.0
0°	269.0	176.3	88.6	27.6	4.2	2.5	0.0
-2.5°	272.9	180.3	92.0	29.4	4.9	2.6	0.0
-5°	275.8	183.5	94.8	31.0	5.5	2.8	0.0
-7.5°	277.7	185.8	97.2	32.5	6.1	2.9	0.0
-10°	278.5	187.2	98.9	33.8	6.7	3.0	0.0
-12.5°	278.4	187.8	100.1	34.9	7.3	3.1	0.0
-15°	277.3	187.6	100.7	35.7	7.8	3.3	0.0
-17.5°	275.3	186.4	100.6	36.4	8.3	3.3	0.0
-20°	272.1	184.5	99.9	36.7	8.8	3.4	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	267.6	181.6	98.5	36.8	9.2	3.5	0.0
-25°	262.0	177.3	96.4	36.7	9.6	3.5	0.0
-27.5°	255.3	171.8	93.6	36.2	9.9	3.6	0.0
-30°	247.6	165.6	90.0	35.5	10.1	3.6	0.0
-32.5°	238.9	158.7	86.0	34.4	10.3	3.6	0.0
-35°	229.4	151.1	81.4	33.1	10.5	3.6	0.0
-37.5°	219.3	143.4	76.4	31.4	10.5	3.6	0.0
-40°	208.3	136.4	70.9	29.5	10.6	3.6	0.0
-42.5°	196.6	129.0	66.8	27.3	10.5	3.5	0.0
-45°	184.2	121.0	64.0	25.2	10.4	3.4	0.0
-47.5°	171.1	112.6	60.6	22.7	10.2	3.4	0.0
-50°	160.1	103.8	56.8	21.9	9.9	3.3	0.0
-52.5°	149.1	94.5	52.5	21.5	9.6	3.1	0.0
-55°	137.7	87.5	47.7	20.8	9.2	3.0	0.0
-57.5°	125.8	80.4	42.4	19.9	8.8	2.9	0.0
-60°	113.8	72.6	36.9	18.8	8.3	2.7	0.0
-62.5°	102.8	64.2	34.3	17.5	7.8	2.5	0.0
-65°	91.1	55.3	31.3	15.9	7.2	2.3	0.0
-67.5°	78.5	47.8	28.0	14.2	6.6	2.1	0.0
-70°	65.4	41.8	24.3	12.4	6.0	1.9	0.0
-72.5°	55.3	35.4	20.4	10.9	5.3	1.7	0.0
-75°	45.2	28.6	16.3	9.5	4.6	1.5	0.0
-77.5°	34.6	21.5	13.4	8.0	3.9	1.2	0.0
-80°	23.7	16.4	10.9	6.4	3.2	1.0	0.0
-82.5°	17.4	12.4	8.2	4.9	2.4	0.8	0.0
-85°	11.6	8.3	5.5	3.3	1.6	0.5	0.0
-87.5°	5.8	4.2	2.8	1.6	0.8	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)