

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: FAIL-SAFE

Report Number: P241631

Luminaire Tested: **FVS8M-4-LD4-40-3HI-O-UNV-EDC1**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P241631
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-410-44)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FVS8M-4-LD4-40-3HI-O-UNV-EDC1
Description: FAILSAFE FVS8M LED FIXTURE
4FT LENGTH, 3-MODULE LED WITH OPAL LENS
Light Source: (252) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

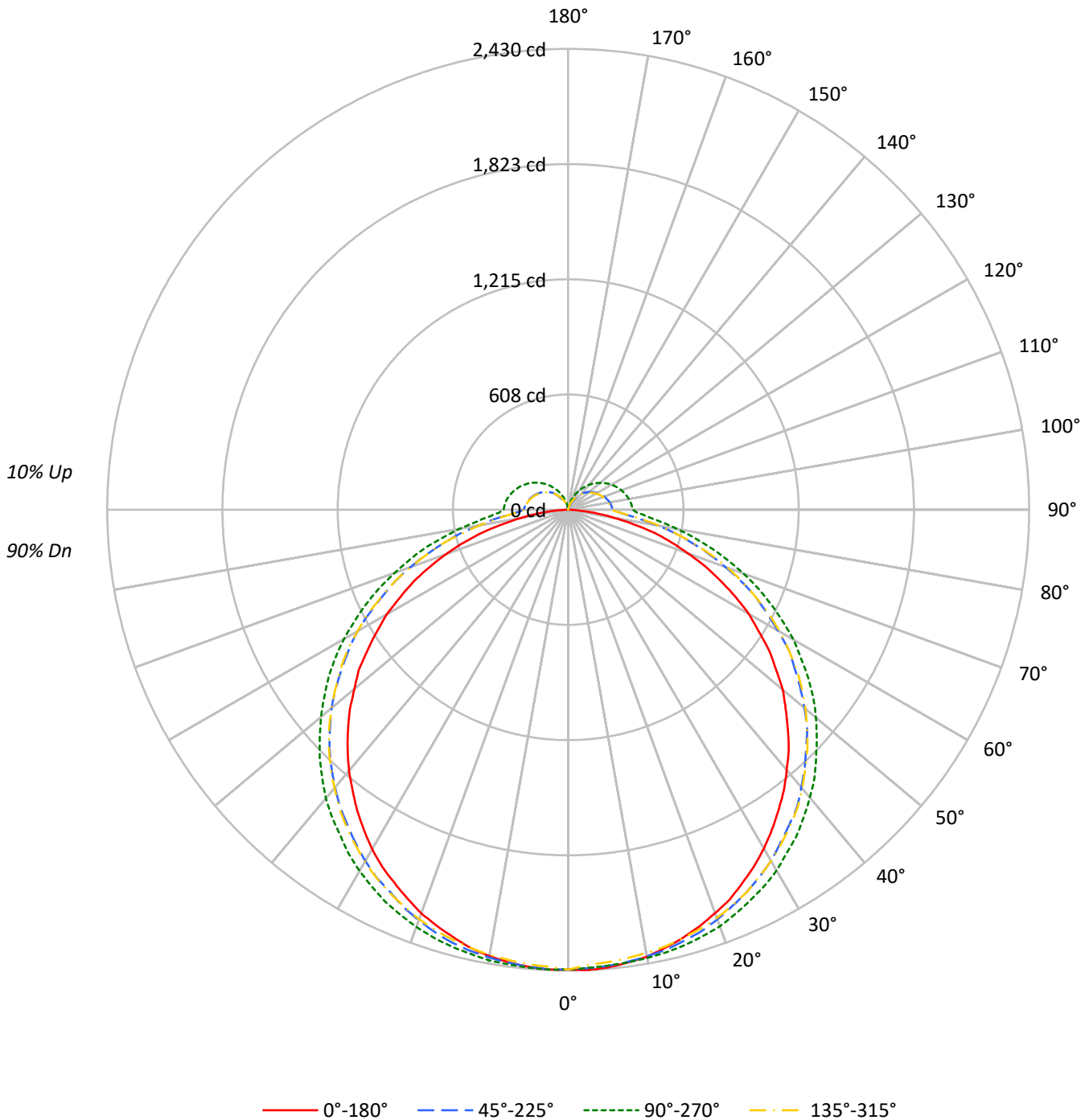
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8797.1 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.34 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.65' x L: 3.73' x H: 0.15')
CIE Type: Direct

Input Watts (W): 129.5
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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Luminous Intensity Polar Plot





TEST NUMBER: P241631

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	105	100	95	91	101	97	93	89	91	87	84	85	82	80	80	78	76	73
2	95	86	79	73	92	84	77	71	78	73	68	74	69	65	69	66	62	60
3	86	75	67	60	83	73	65	59	69	62	57	64	59	54	61	56	52	49
4	79	66	57	50	76	64	56	50	61	53	48	57	51	46	54	49	44	42
5	72	59	50	43	69	57	49	42	54	47	41	51	45	40	48	43	38	36
6	67	53	44	37	64	52	43	37	49	41	36	46	40	35	44	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	40	34	30	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	31	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	34	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10838	10838	10838	10838
5°	10833	10615	10815	10664
10°	10785	10474	10772	10531
15°	10701	10370	10691	10401
20°	10616	10275	10621	10288
25°	10519	10141	10509	10176
30°	10411	10030	10431	10039
35°	10265	9888	10291	9869
40°	10122	9721	10150	9750
45°	9957	9528	9988	9549
50°	9806	9341	9766	9319
55°	9542	9097	9527	9085
60°	9200	8809	9234	8777
65°	8625	8400	8781	8358
70°	7882	7911	8071	7838
75°	7052	7291	7052	7328
80°	5224	6557	5414	6546
85°	2587	6014	3048	6000



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.0	2.6
10°-20°	665.7	7.6
20°-30°	1027.0	11.7
30°-40°	1268.8	14.4
40°-50°	1361.4	15.5
50°-60°	1288.9	14.7
60°-70°	1053.4	12.0
70°-80°	692.5	7.9
80°-90°	330.0	3.8
90°-100°	219.7	2.5
100°-110°	198.1	2.3
110°-120°	166.0	1.9
120°-130°	127.8	1.5
130°-140°	87.9	1.0
140°-150°	51.1	0.6
150°-160°	22.6	0.3
160°-170°	5.8	0.1
170°-180°	0.3	0.0
0°-30°	1922.7	21.9
0°-40°	3191.5	36.3
0°-60°	5841.8	66.4
0°-90°	7917.7	90.0
90°-120°	583.8	6.6
90°-150°	850.7	9.7
90°-180°	879.0	10.0
0°-180°	8797.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2425	2425	2425	2425	2425	
5°	2423	2413	2419	2424	2423	230
15°	2337	2377	2335	2384	2337	660
25°	2172	2273	2170	2281	2172	1002
35°	1933	2099	1938	2095	1933	1210
45°	1637	1848	1642	1852	1637	1264
55°	1293	1544	1291	1542	1293	1151
65°	884	1179	900	1173	884	877
75°	468	778	468	782	468	486
85°	73	420	86	419	73	99
90°	1	339	3	340	1	3
95°	1	334	1	335	1	1
105°	1	313	1	314	1	1
115°	1	282	1	284	1	1
125°	1	243	1	245	1	1
135°	2	196	1	198	2	1
145°	2	145	2	146	2	1
155°	2	90	2	92	2	1
165°	3	39	3	39	3	1
175°	3	0	3	0	3	0
180°	1	1	1	1	1	



TEST NUMBER: P241631

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9
2.5°	2429.9	2432.9	2437.9	2441.9	2442.9	2442.9	2440.9	2439.9	2432.9	2426.9	2419.9
5°	2422.9	2424.9	2431.9	2434.9	2435.9	2434.9	2431.9	2431.9	2425.9	2417.9	2414.9
7.5°	2408.9	2414.9	2416.9	2418.9	2420.9	2422.9	2420.9	2418.9	2414.9	2408.9	2404.9
10°	2392.9	2393.9	2397.9	2403.9	2403.9	2405.9	2403.9	2404.9	2399.9	2395.9	2390.9
12.5°	2365.9	2368.9	2372.9	2379.9	2381.9	2383.9	2381.9	2383.9	2378.9	2375.9	2377.9
15°	2336.9	2342.9	2343.9	2349.9	2354.9	2355.9	2356.9	2360.9	2354.9	2355.9	2353.9
17.5°	2302.9	2303.9	2309.9	2312.9	2319.9	2325.9	2322.9	2328.9	2328.9	2328.9	2331.9
20°	2263.9	2262.9	2267.9	2278.9	2284.9	2286.9	2288.9	2295.9	2296.9	2298.9	2298.9
22.5°	2224.9	2221.9	2224.9	2236.9	2239.9	2244.9	2252.9	2257.9	2256.9	2259.9	2261.9
25°	2171.9	2172.9	2177.9	2192.9	2196.9	2202.9	2206.9	2214.9	2216.9	2221.9	2224.9
27.5°	2120.9	2120.9	2129.9	2137.9	2145.9	2150.9	2157.9	2169.9	2169.9	2177.9	2182.9
30°	2062.9	2061.9	2071.9	2080.9	2092.9	2099.9	2105.9	2117.9	2121.9	2127.9	2137.9
32.5°	1999.9	2004.9	2013.9	2021.9	2036.9	2045.9	2054.9	2065.9	2072.9	2076.9	2082.9
35°	1932.9	1935.9	1948.9	1959.9	1974.9	1982.9	1993.9	2002.9	2015.9	2020.9	2029.9
37.5°	1866.9	1871.9	1881.9	1895.9	1913.9	1924.9	1928.9	1944.9	1948.9	1958.9	1980.9
40°	1791.9	1797.9	1816.9	1825.9	1844.9	1854.9	1862.9	1878.9	1888.9	1901.9	1910.9
42.5°	1720.9	1727.9	1733.9	1756.9	1774.9	1782.9	1790.9	1805.9	1818.9	1829.9	1844.9
45°	1637.0	1642.0	1658.0	1683.0	1697.9	1710.9	1716.9	1732.9	1750.9	1760.9	1773.9
47.5°	1555.0	1563.0	1576.0	1595.0	1613.0	1626.0	1641.0	1659.0	1679.0	1684.0	1708.9
50°	1476.0	1480.0	1490.0	1515.0	1535.0	1547.0	1556.0	1576.0	1591.0	1608.0	1625.0
52.5°	1379.0	1381.0	1401.0	1424.0	1452.0	1462.0	1470.0	1495.0	1509.0	1527.0	1541.0
55°	1293.0	1292.0	1312.0	1332.0	1360.0	1373.0	1380.0	1402.0	1421.0	1442.0	1457.0
57.5°	1188.0	1197.0	1216.0	1245.0	1269.0	1275.0	1287.0	1312.0	1331.0	1354.0	1379.0
60°	1099.0	1099.0	1117.0	1144.0	1164.0	1184.0	1198.0	1220.0	1238.0	1257.0	1276.0
62.5°	993.0	994.0	1018.0	1038.0	1066.0	1082.0	1094.0	1121.0	1144.0	1160.0	1180.0
65°	884.0	893.0	922.0	938.0	973.0	980.0	996.0	1021.0	1042.0	1063.0	1090.0
67.5°	783.0	791.0	807.0	833.0	869.0	877.0	893.0	919.0	949.0	957.0	988.0
70°	668.0	686.0	700.0	728.0	763.0	770.0	789.0	812.0	843.0	863.0	878.0
72.5°	569.0	577.0	600.0	619.0	645.0	663.0	689.0	707.0	735.0	753.0	779.0
75°	468.0	464.0	487.0	516.0	547.0	556.0	569.0	601.0	628.0	653.0	675.0
77.5°	349.0	356.0	385.0	419.0	448.0	454.0	471.0	497.0	525.0	551.0	582.0
80°	248.0	258.0	274.0	316.0	342.0	359.0	374.0	399.0	424.0	461.0	477.0
82.5°	156.0	165.0	189.0	221.0	248.0	264.0	283.0	308.0	334.0	366.0	384.0
85°	73.0	86.0	110.0	143.0	168.0	188.0	200.0	232.0	260.0	288.0	308.0
87.5°	22.0	31.0	57.0	85.0	116.0	131.0	146.0	177.0	208.0	234.0	256.0
90°	1.0	11.0	34.0	64.0	96.0	111.0	126.0	156.0	184.0	212.0	235.0
92.5°	1.0	10.0	33.0	62.0	93.0	108.0	124.0	153.0	181.0	208.0	232.0
95°	1.0	10.0	32.0	61.0	91.0	106.0	122.0	151.0	179.0	205.0	229.0
97.5°	1.0	10.0	31.0	59.0	89.0	104.0	119.0	148.0	176.0	202.0	226.0
100°	1.0	9.0	31.0	58.0	87.0	101.0	117.0	145.0	173.0	198.0	223.0
102.5°	1.0	9.0	30.0	56.0	85.0	99.0	114.0	142.0	168.0	194.0	217.0
105°	1.0	8.0	29.0	55.0	82.0	96.0	111.0	138.0	164.0	189.0	212.0
107.5°	1.0	8.0	28.0	53.0	80.0	94.0	108.0	134.0	160.0	184.0	207.0
110°	1.0	7.0	27.0	51.0	77.0	91.0	105.0	131.0	156.0	180.0	202.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1.0	7.0	25.0	49.0	75.0	88.0	101.0	127.0	151.0	175.0	196.0
115°	1.0	6.0	24.0	47.0	72.0	85.0	97.0	122.0	146.0	168.0	189.0
117.5°	1.0	6.0	23.0	45.0	69.0	81.0	94.0	117.0	141.0	162.0	184.0
120°	1.0	5.0	22.0	43.0	66.0	78.0	90.0	113.0	135.0	156.0	176.0
122.5°	1.0	4.0	20.0	41.0	63.0	74.0	85.0	107.0	129.0	150.0	168.0
125°	1.0	3.0	19.0	38.0	59.0	70.0	81.0	103.0	123.0	143.0	161.0
127.5°	1.0	3.0	17.0	36.0	56.0	66.0	77.0	97.0	117.0	136.0	153.0
130°	1.0	2.0	15.0	32.0	52.0	62.0	72.0	92.0	110.0	129.0	145.0
132.5°	1.0	2.0	13.0	29.0	47.0	56.0	67.0	86.0	104.0	121.0	137.0
135°	2.0	2.0	11.0	26.0	42.0	51.0	60.0	78.0	96.0	113.0	128.0
137.5°	2.0	2.0	9.0	22.0	37.0	45.0	54.0	70.0	87.0	105.0	119.0
140°	2.0	2.0	8.0	19.0	32.0	40.0	47.0	62.0	77.0	93.0	109.0
142.5°	2.0	2.0	6.0	16.0	28.0	34.0	41.0	55.0	68.0	82.0	97.0
145°	2.0	2.0	5.0	14.0	24.0	30.0	35.0	47.0	59.0	72.0	86.0
147.5°	2.0	2.0	4.0	11.0	20.0	25.0	31.0	40.0	52.0	63.0	73.0
150°	2.0	2.0	3.0	9.0	17.0	21.0	26.0	34.0	44.0	54.0	63.0
152.5°	2.0	2.0	3.0	8.0	14.0	17.0	21.0	29.0	36.0	45.0	53.0
155°	2.0	2.0	3.0	6.0	11.0	14.0	18.0	24.0	30.0	37.0	44.0
157.5°	2.0	2.0	2.0	4.0	9.0	12.0	14.0	19.0	25.0	29.0	34.0
160°	2.0	2.0	2.0	3.0	7.0	9.0	11.0	15.0	19.0	23.0	28.0
162.5°	3.0	3.0	3.0	3.0	5.0	6.0	8.0	11.0	15.0	18.0	20.0
165°	3.0	3.0	3.0	3.0	3.0	4.0	5.0	8.0	10.0	13.0	15.0
167.5°	3.0	3.0	3.0	3.0	3.0	3.0	4.0	5.0	7.0	8.0	10.0
170°	3.0	3.0	3.0	3.0	3.0	2.0	2.0	3.0	3.0	4.0	5.0
172.5°	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0
175°	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	1.0	1.0
177.5°	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9
2.5°	2414.9	2415.9	2418.9	2418.9	2418.9	2419.9	2418.9	2417.9	2415.9	2417.9	2414.9
5°	2409.9	2410.9	2412.9	2415.9	2415.9	2415.9	2417.9	2413.9	2413.9	2412.9	2411.9
7.5°	2401.9	2402.9	2406.9	2408.9	2408.9	2409.9	2410.9	2410.9	2407.9	2407.9	2405.9
10°	2389.9	2394.9	2396.9	2400.9	2398.9	2401.9	2402.9	2400.9	2398.9	2399.9	2399.9
12.5°	2375.9	2382.9	2382.9	2390.9	2389.9	2388.9	2390.9	2390.9	2389.9	2390.9	2390.9
15°	2357.9	2363.9	2367.9	2374.9	2373.9	2373.9	2378.9	2379.9	2376.9	2376.9	2374.9
17.5°	2333.9	2336.9	2346.9	2349.9	2351.9	2353.9	2356.9	2358.9	2357.9	2357.9	2354.9
20°	2303.9	2310.9	2321.9	2320.9	2331.9	2331.9	2331.9	2332.9	2334.9	2337.9	2332.9
22.5°	2267.9	2279.9	2288.9	2294.9	2296.9	2298.9	2302.9	2306.9	2305.9	2305.9	2306.9
25°	2230.9	2243.9	2250.9	2262.9	2266.9	2264.9	2272.9	2274.9	2274.9	2272.9	2274.9
27.5°	2189.9	2203.9	2215.9	2216.9	2222.9	2225.9	2229.9	2236.9	2236.9	2237.9	2234.9
30°	2144.9	2159.9	2167.9	2174.9	2178.9	2178.9	2189.9	2191.9	2190.9	2196.9	2195.9
32.5°	2095.9	2112.9	2119.9	2129.9	2134.9	2134.9	2140.9	2147.9	2144.9	2144.9	2146.9
35°	2040.9	2055.9	2064.9	2076.9	2078.9	2081.9	2088.9	2096.9	2099.9	2098.9	2095.9
37.5°	1990.9	1995.9	2011.9	2020.9	2021.9	2025.9	2033.9	2039.9	2037.9	2040.9	2039.9
40°	1924.9	1935.9	1949.9	1960.9	1966.9	1964.9	1972.9	1977.9	1980.9	1981.9	1985.9
42.5°	1862.9	1877.9	1886.9	1897.9	1901.9	1901.9	1906.9	1910.9	1915.9	1920.9	1915.9
45°	1792.9	1804.9	1817.9	1827.9	1835.9	1837.9	1841.9	1840.9	1845.9	1847.9	1854.9
47.5°	1718.9	1734.9	1744.9	1754.9	1758.9	1765.9	1773.9	1774.9	1781.9	1776.9	1782.9
50°	1646.0	1659.0	1672.0	1684.0	1688.0	1687.0	1690.9	1695.9	1700.9	1704.9	1701.9
52.5°	1561.0	1576.0	1589.0	1599.0	1608.0	1606.0	1618.0	1614.0	1625.0	1629.0	1623.0
55°	1473.0	1497.0	1507.0	1516.0	1517.0	1525.0	1542.0	1535.0	1539.0	1544.0	1540.0
57.5°	1386.0	1402.0	1416.0	1428.0	1431.0	1441.0	1445.0	1448.0	1453.0	1454.0	1459.0
60°	1303.0	1309.0	1327.0	1340.0	1345.0	1346.0	1364.0	1361.0	1368.0	1371.0	1367.0
62.5°	1201.0	1219.0	1234.0	1249.0	1249.0	1257.0	1264.0	1262.0	1270.0	1275.0	1278.0
65°	1102.0	1120.0	1135.0	1147.0	1152.0	1161.0	1164.0	1166.0	1175.0	1179.0	1179.0
67.5°	1000.0	1025.0	1034.0	1045.0	1054.0	1057.0	1069.0	1073.0	1078.0	1084.0	1086.0
70°	900.0	928.0	937.0	948.0	951.0	960.0	968.0	976.0	974.0	981.0	986.0
72.5°	804.0	823.0	832.0	846.0	855.0	863.0	870.0	878.0	882.0	880.0	886.0
75°	700.0	720.0	729.0	749.0	751.0	759.0	772.0	777.0	779.0	778.0	780.0
77.5°	603.0	619.0	629.0	647.0	656.0	658.0	675.0	675.0	681.0	679.0	683.0
80°	497.0	518.0	541.0	554.0	563.0	562.0	571.0	578.0	581.0	581.0	584.0
82.5°	412.0	428.0	450.0	464.0	469.0	475.0	487.0	492.0	498.0	492.0	501.0
85°	338.0	356.0	373.0	384.0	389.0	399.0	409.0	411.0	420.0	420.0	419.0
87.5°	279.0	298.0	315.0	330.0	337.0	341.0	352.0	357.0	361.0	364.0	362.0
90°	257.0	277.0	294.0	308.0	315.0	320.0	329.0	335.0	338.0	339.0	338.0
92.5°	254.0	273.0	290.0	305.0	311.0	317.0	326.0	332.0	336.0	337.0	335.0
95°	251.0	271.0	288.0	302.0	308.0	314.0	323.0	329.0	333.0	334.0	332.0
97.5°	249.0	267.0	285.0	299.0	305.0	310.0	320.0	326.0	329.0	330.0	329.0
100°	245.0	263.0	280.0	294.0	300.0	305.0	314.0	321.0	324.0	325.0	324.0
102.5°	239.0	258.0	274.0	288.0	294.0	300.0	308.0	314.0	318.0	319.0	318.0
105°	234.0	253.0	269.0	282.0	288.0	294.0	302.0	308.0	312.0	313.0	311.0
107.5°	228.0	247.0	263.0	277.0	283.0	288.0	296.0	302.0	305.0	306.0	304.0
110°	222.0	241.0	257.0	270.0	276.0	280.0	289.0	294.0	298.0	299.0	297.0



TEST NUMBER: P241631

CATALOG NUMBER: FVS8M-4-LD4-40-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	215.0	233.0	249.0	262.0	267.0	273.0	280.0	286.0	290.0	291.0	289.0
115°	208.0	225.0	242.0	255.0	260.0	265.0	273.0	278.0	281.0	282.0	281.0
117.5°	202.0	218.0	233.0	246.0	251.0	256.0	264.0	269.0	273.0	273.0	272.0
120°	194.0	210.0	224.0	236.0	243.0	246.0	254.0	260.0	263.0	263.0	263.0
122.5°	187.0	202.0	217.0	228.0	233.0	237.0	245.0	251.0	254.0	254.0	252.0
125°	178.0	193.0	206.0	218.0	222.0	226.0	234.0	239.0	242.0	243.0	241.0
127.5°	169.0	184.0	197.0	207.0	213.0	217.0	223.0	228.0	232.0	232.0	230.0
130°	160.0	174.0	187.0	197.0	202.0	205.0	212.0	218.0	220.0	220.0	219.0
132.5°	151.0	165.0	177.0	186.0	191.0	194.0	200.0	205.0	208.0	209.0	207.0
135°	142.0	155.0	166.0	176.0	179.0	183.0	188.0	193.0	195.0	196.0	194.0
137.5°	133.0	145.0	155.0	164.0	168.0	171.0	177.0	181.0	183.0	184.0	182.0
140°	123.0	134.0	144.0	153.0	157.0	159.0	165.0	168.0	171.0	171.0	169.0
142.5°	113.0	124.0	133.0	141.0	144.0	147.0	152.0	156.0	157.0	157.0	157.0
145°	101.0	113.0	122.0	130.0	133.0	135.0	139.0	142.0	144.0	145.0	143.0
147.5°	88.0	99.0	110.0	117.0	120.0	123.0	126.0	130.0	131.0	131.0	129.0
150°	74.0	85.0	97.0	105.0	109.0	110.0	113.0	115.0	118.0	118.0	117.0
152.5°	62.0	72.0	83.0	93.0	95.0	98.0	100.0	103.0	104.0	104.0	103.0
155°	52.0	60.0	68.0	78.0	83.0	85.0	88.0	90.0	91.0	90.0	90.0
157.5°	41.0	48.0	55.0	63.0	70.0	72.0	75.0	77.0	78.0	77.0	77.0
160°	32.0	37.0	42.0	50.0	53.0	58.0	62.0	63.0	64.0	64.0	63.0
162.5°	24.0	28.0	31.0	36.0	40.0	43.0	49.0	51.0	51.0	52.0	50.0
165°	17.0	19.0	22.0	25.0	27.0	29.0	35.0	38.0	38.0	39.0	38.0
167.5°	11.0	12.0	14.0	16.0	17.0	19.0	21.0	25.0	27.0	27.0	26.0
170°	6.0	6.0	7.0	8.0	9.0	9.0	10.0	14.0	15.0	15.0	14.0
172.5°	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	5.0	5.0	4.0
175°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P241631

CATALOG NUMBER: FVS8M-4-LD4-40-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9
2.5°	2416.9	2414.9	2417.9	2418.9	2416.9	2412.9	2408.9	2405.9	2401.9	2400.9	2400.9
5°	2411.9	2410.9	2412.9	2412.9	2412.9	2410.9	2404.9	2400.9	2394.9	2392.9	2394.9
7.5°	2405.9	2405.9	2407.9	2406.9	2404.9	2402.9	2395.9	2390.9	2385.9	2383.9	2383.9
10°	2396.9	2395.9	2396.9	2394.9	2394.9	2390.9	2385.9	2377.9	2372.9	2370.9	2370.9
12.5°	2387.9	2383.9	2382.9	2385.9	2382.9	2377.9	2367.9	2362.9	2359.9	2350.9	2349.9
15°	2372.9	2367.9	2368.9	2366.9	2369.9	2363.9	2352.9	2347.9	2336.9	2329.9	2328.9
17.5°	2351.9	2351.9	2350.9	2348.9	2346.9	2339.9	2332.9	2325.9	2317.9	2309.9	2298.9
20°	2327.9	2328.9	2326.9	2327.9	2326.9	2314.9	2307.9	2296.9	2290.9	2279.9	2271.9
22.5°	2302.9	2300.9	2297.9	2295.9	2296.9	2288.9	2278.9	2267.9	2258.9	2245.9	2237.9
25°	2272.9	2270.9	2265.9	2264.9	2264.9	2254.9	2245.9	2229.9	2225.9	2211.9	2197.9
27.5°	2231.9	2229.9	2227.9	2224.9	2222.9	2217.9	2208.9	2191.9	2180.9	2168.9	2154.9
30°	2186.9	2190.9	2183.9	2181.9	2176.9	2176.9	2164.9	2150.9	2138.9	2120.9	2107.9
32.5°	2141.9	2143.9	2141.9	2137.9	2130.9	2128.9	2114.9	2102.9	2089.9	2070.9	2054.9
35°	2092.9	2089.9	2091.9	2079.9	2084.9	2072.9	2059.9	2052.9	2036.9	2018.9	2002.9
37.5°	2038.9	2036.9	2030.9	2024.9	2021.9	2018.9	2002.9	1991.9	1983.9	1960.9	1941.9
40°	1974.9	1977.9	1973.9	1972.9	1963.9	1959.9	1941.9	1929.9	1918.9	1897.9	1879.9
42.5°	1914.9	1919.9	1904.9	1906.9	1901.9	1889.9	1879.9	1869.9	1849.9	1838.9	1810.9
45°	1848.9	1843.9	1840.9	1829.9	1829.9	1823.9	1808.9	1802.9	1782.9	1764.9	1740.9
47.5°	1772.9	1778.9	1764.9	1765.9	1763.9	1752.9	1735.9	1730.9	1707.9	1695.9	1667.0
50°	1701.9	1695.9	1691.9	1693.9	1681.0	1679.0	1666.0	1650.0	1632.0	1617.0	1595.0
52.5°	1619.0	1620.0	1620.0	1609.0	1609.0	1593.0	1579.0	1567.0	1553.0	1530.0	1515.0
55°	1541.0	1539.0	1533.0	1531.0	1517.0	1510.0	1497.0	1479.0	1470.0	1449.0	1432.0
57.5°	1459.0	1454.0	1447.0	1436.0	1433.0	1424.0	1410.0	1394.0	1378.0	1360.0	1348.0
60°	1367.0	1365.0	1355.0	1348.0	1344.0	1333.0	1324.0	1311.0	1288.0	1269.0	1250.0
62.5°	1272.0	1271.0	1266.0	1257.0	1255.0	1243.0	1227.0	1209.0	1193.0	1175.0	1153.0
65°	1174.0	1168.0	1160.0	1159.0	1150.0	1144.0	1136.0	1111.0	1091.0	1074.0	1054.0
67.5°	1083.0	1078.0	1062.0	1062.0	1055.0	1045.0	1030.0	1020.0	991.0	974.0	951.0
70°	978.0	979.0	972.0	967.0	953.0	939.0	932.0	919.0	895.0	870.0	853.0
72.5°	877.0	872.0	862.0	858.0	855.0	845.0	825.0	805.0	787.0	770.0	738.0
75°	777.0	771.0	756.0	761.0	753.0	740.0	729.0	706.0	683.0	662.0	638.0
77.5°	676.0	665.0	660.0	659.0	657.0	639.0	621.0	601.0	580.0	571.0	532.0
80°	585.0	570.0	563.0	565.0	556.0	539.0	528.0	509.0	487.0	464.0	435.0
82.5°	490.0	488.0	475.0	470.0	463.0	453.0	436.0	416.0	393.0	371.0	345.0
85°	414.0	406.0	406.0	390.0	388.0	373.0	357.0	338.0	313.0	287.0	263.0
87.5°	360.0	350.0	343.0	335.0	330.0	318.0	298.0	278.0	255.0	237.0	205.0
90°	333.0	327.0	316.0	310.0	304.0	288.0	270.0	251.0	229.0	204.0	180.0
92.5°	330.0	323.0	313.0	307.0	301.0	285.0	267.0	248.0	225.0	201.0	175.0
95°	328.0	320.0	310.0	304.0	298.0	282.0	265.0	245.0	223.0	198.0	173.0
97.5°	324.0	317.0	307.0	301.0	294.0	279.0	262.0	242.0	220.0	195.0	170.0
100°	319.0	311.0	302.0	296.0	290.0	275.0	257.0	237.0	215.0	192.0	167.0
102.5°	313.0	307.0	296.0	290.0	284.0	269.0	252.0	232.0	211.0	188.0	163.0
105°	307.0	300.0	291.0	285.0	278.0	264.0	247.0	227.0	206.0	183.0	159.0
107.5°	302.0	294.0	284.0	278.0	272.0	258.0	241.0	222.0	201.0	178.0	155.0
110°	294.0	287.0	277.0	271.0	265.0	251.0	234.0	216.0	196.0	173.0	150.0



TEST NUMBER: P241631

CATALOG NUMBER: FVS8M-4-LD4-40-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	285.0	278.0	268.0	263.0	257.0	243.0	227.0	209.0	190.0	168.0	145.0
115°	277.0	270.0	261.0	256.0	250.0	236.0	220.0	202.0	184.0	162.0	140.0
117.5°	268.0	261.0	252.0	247.0	241.0	227.0	213.0	196.0	177.0	156.0	135.0
120°	258.0	251.0	243.0	238.0	232.0	219.0	205.0	188.0	170.0	150.0	129.0
122.5°	248.0	242.0	233.0	228.0	223.0	211.0	197.0	181.0	163.0	144.0	124.0
125°	237.0	231.0	223.0	218.0	213.0	202.0	188.0	173.0	155.0	137.0	117.0
127.5°	226.0	221.0	213.0	208.0	203.0	192.0	179.0	164.0	148.0	130.0	111.0
130°	215.0	209.0	202.0	198.0	192.0	182.0	170.0	155.0	140.0	123.0	105.0
132.5°	203.0	198.0	191.0	187.0	183.0	172.0	160.0	147.0	131.0	115.0	99.0
135°	191.0	186.0	181.0	176.0	171.0	162.0	150.0	137.0	123.0	108.0	92.0
137.5°	179.0	174.0	169.0	165.0	160.0	151.0	141.0	128.0	114.0	101.0	86.0
140°	167.0	162.0	157.0	153.0	149.0	141.0	130.0	119.0	106.0	92.0	78.0
142.5°	154.0	150.0	144.0	141.0	137.0	129.0	120.0	109.0	97.0	84.0	72.0
145°	141.0	137.0	132.0	129.0	125.0	118.0	110.0	99.0	88.0	77.0	65.0
147.5°	128.0	124.0	119.0	117.0	113.0	108.0	99.0	89.0	80.0	68.0	57.0
150°	114.0	112.0	107.0	104.0	102.0	95.0	88.0	79.0	71.0	61.0	51.0
152.5°	102.0	99.0	94.0	92.0	90.0	84.0	78.0	69.0	62.0	53.0	44.0
155°	88.0	86.0	82.0	80.0	78.0	72.0	67.0	60.0	53.0	45.0	37.0
157.5°	76.0	74.0	70.0	68.0	66.0	62.0	56.0	51.0	44.0	37.0	30.0
160°	62.0	60.0	58.0	56.0	55.0	51.0	45.0	41.0	36.0	30.0	23.0
162.5°	49.0	49.0	46.0	45.0	43.0	40.0	36.0	31.0	27.0	23.0	17.0
165°	37.0	36.0	34.0	33.0	32.0	29.0	26.0	24.0	20.0	16.0	11.0
167.5°	25.0	24.0	23.0	23.0	22.0	20.0	17.0	14.0	12.0	9.0	7.0
170°	14.0	13.0	13.0	12.0	12.0	10.0	9.0	7.0	6.0	4.0	3.0
172.5°	4.0	4.0	4.0	4.0	3.0	2.0	2.0	1.0	1.0	1.0	1.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P241631

CATALOG NUMBER: FVS8M-4-LD4-40-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9
2.5°	2401.9	2403.9	2403.9	2402.9	2411.9	2416.9	2421.9	2426.9	2431.9	2435.9	2440.9
5°	2392.9	2395.9	2394.9	2396.9	2400.9	2411.9	2415.9	2418.9	2423.9	2428.9	2434.9
7.5°	2382.9	2383.9	2382.9	2381.9	2390.9	2397.9	2401.9	2406.9	2412.9	2415.9	2420.9
10°	2367.9	2366.9	2366.9	2366.9	2372.9	2379.9	2384.9	2389.9	2393.9	2397.9	2400.9
12.5°	2346.9	2348.9	2343.9	2345.9	2346.9	2354.9	2360.9	2367.9	2368.9	2373.9	2375.9
15°	2324.9	2322.9	2322.9	2320.9	2320.9	2326.9	2330.9	2334.9	2340.9	2346.9	2350.9
17.5°	2295.9	2291.9	2289.9	2291.9	2288.9	2291.9	2297.9	2300.9	2306.9	2307.9	2318.9
20°	2262.9	2263.9	2256.9	2251.9	2250.9	2255.9	2256.9	2264.9	2268.9	2269.9	2277.9
22.5°	2226.9	2220.9	2216.9	2214.9	2213.9	2213.9	2213.9	2216.9	2222.9	2225.9	2233.9
25°	2187.9	2177.9	2174.9	2171.9	2164.9	2163.9	2166.9	2169.9	2173.9	2180.9	2186.9
27.5°	2141.9	2132.9	2129.9	2122.9	2113.9	2116.9	2116.9	2122.9	2121.9	2127.9	2135.9
30°	2089.9	2081.9	2074.9	2073.9	2057.9	2062.9	2056.9	2066.9	2064.9	2074.9	2083.9
32.5°	2042.9	2028.9	2017.9	2014.9	2001.9	1999.9	1998.9	2002.9	2002.9	2011.9	2027.9
35°	1985.9	1969.9	1956.9	1955.9	1936.9	1937.9	1930.9	1937.9	1939.9	1948.9	1964.9
37.5°	1920.9	1903.9	1896.9	1893.9	1872.9	1870.9	1865.9	1866.9	1871.9	1882.9	1894.9
40°	1855.9	1840.9	1831.9	1829.9	1810.9	1798.9	1790.9	1796.9	1795.9	1812.9	1826.9
42.5°	1790.9	1770.9	1759.9	1753.9	1740.9	1726.9	1718.9	1720.9	1725.9	1735.9	1756.9
45°	1724.9	1701.9	1689.0	1685.0	1660.0	1649.0	1641.0	1642.0	1646.0	1665.0	1676.0
47.5°	1647.0	1625.0	1613.0	1604.0	1582.0	1570.0	1558.0	1561.0	1565.0	1580.0	1601.0
50°	1568.0	1544.0	1532.0	1524.0	1507.0	1481.0	1471.0	1470.0	1476.0	1498.0	1522.0
52.5°	1491.0	1463.0	1452.0	1441.0	1415.0	1396.0	1388.0	1392.0	1395.0	1402.0	1430.0
55°	1407.0	1379.0	1364.0	1359.0	1326.0	1314.0	1299.0	1291.0	1298.0	1317.0	1345.0
57.5°	1321.0	1288.0	1274.0	1267.0	1234.0	1225.0	1203.0	1195.0	1202.0	1221.0	1248.0
60°	1222.0	1199.0	1179.0	1171.0	1145.0	1118.0	1103.0	1103.0	1113.0	1121.0	1149.0
62.5°	1129.0	1097.0	1092.0	1068.0	1042.0	1022.0	1004.0	997.0	1010.0	1029.0	1052.0
65°	1027.0	994.0	988.0	970.0	943.0	919.0	910.0	900.0	906.0	919.0	943.0
67.5°	930.0	896.0	881.0	865.0	847.0	816.0	793.0	791.0	796.0	825.0	840.0
70°	825.0	793.0	782.0	776.0	739.0	709.0	692.0	684.0	694.0	723.0	742.0
72.5°	715.0	695.0	673.0	662.0	632.0	600.0	581.0	578.0	588.0	606.0	632.0
75°	612.0	581.0	571.0	558.0	526.0	494.0	473.0	468.0	480.0	498.0	525.0
77.5°	510.0	477.0	467.0	451.0	422.0	393.0	367.0	357.0	375.0	394.0	426.0
80°	411.0	385.0	370.0	355.0	326.0	297.0	267.0	257.0	273.0	295.0	317.0
82.5°	315.0	287.0	267.0	255.0	228.0	201.0	178.0	172.0	183.0	205.0	228.0
85°	234.0	206.0	190.0	176.0	152.0	116.0	95.0	86.0	96.0	119.0	148.0
87.5°	180.0	149.0	133.0	121.0	87.0	62.0	36.0	29.0	40.0	60.0	92.0
90°	151.0	122.0	107.0	92.0	61.0	33.0	12.0	3.0	14.0	37.0	67.0
92.5°	147.0	118.0	103.0	88.0	58.0	30.0	9.0	1.0	11.0	33.0	62.0
95°	145.0	116.0	101.0	86.0	56.0	29.0	8.0	1.0	10.0	32.0	61.0
97.5°	143.0	113.0	99.0	84.0	55.0	29.0	8.0	1.0	10.0	31.0	59.0
100°	140.0	110.0	96.0	82.0	54.0	28.0	8.0	1.0	10.0	31.0	58.0
102.5°	136.0	108.0	94.0	80.0	52.0	27.0	7.0	1.0	9.0	30.0	57.0
105°	132.0	105.0	92.0	78.0	50.0	26.0	7.0	1.0	9.0	29.0	55.0
107.5°	129.0	102.0	89.0	75.0	48.0	25.0	6.0	1.0	8.0	28.0	53.0
110°	125.0	99.0	86.0	73.0	47.0	24.0	6.0	1.0	8.0	27.0	51.0



TEST NUMBER: P241631

CATALOG NUMBER: FVS8M-4-LD4-40-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	121.0	95.0	83.0	70.0	45.0	22.0	5.0	1.0	7.0	26.0	49.0
115°	116.0	92.0	80.0	67.0	43.0	21.0	5.0	1.0	7.0	25.0	48.0
117.5°	112.0	88.0	76.0	64.0	40.0	20.0	4.0	1.0	6.0	23.0	45.0
120°	107.0	83.0	72.0	60.0	38.0	19.0	3.0	1.0	6.0	22.0	43.0
122.5°	102.0	79.0	68.0	57.0	36.0	17.0	3.0	1.0	5.0	21.0	41.0
125°	97.0	75.0	64.0	54.0	34.0	16.0	2.0	1.0	5.0	19.0	39.0
127.5°	92.0	71.0	61.0	51.0	32.0	14.0	2.0	1.0	4.0	18.0	37.0
130°	86.0	66.0	57.0	47.0	29.0	13.0	2.0	1.0	3.0	16.0	33.0
132.5°	81.0	61.0	53.0	44.0	27.0	11.0	2.0	1.0	3.0	14.0	30.0
135°	75.0	57.0	49.0	41.0	24.0	10.0	1.0	1.0	2.0	12.0	26.0
137.5°	69.0	53.0	45.0	37.0	22.0	8.0	2.0	2.0	2.0	10.0	23.0
140°	63.0	48.0	40.0	33.0	19.0	7.0	2.0	2.0	2.0	9.0	20.0
142.5°	57.0	43.0	36.0	30.0	17.0	5.0	2.0	2.0	2.0	7.0	17.0
145°	52.0	39.0	32.0	26.0	14.0	4.0	2.0	2.0	2.0	6.0	14.0
147.5°	46.0	34.0	28.0	23.0	12.0	3.0	2.0	2.0	2.0	5.0	12.0
150°	40.0	29.0	24.0	19.0	9.0	2.0	2.0	2.0	2.0	4.0	11.0
152.5°	34.0	24.0	20.0	16.0	7.0	2.0	2.0	2.0	2.0	4.0	9.0
155°	28.0	20.0	16.0	12.0	5.0	2.0	2.0	2.0	2.0	3.0	7.0
157.5°	23.0	16.0	13.0	9.0	3.0	2.0	2.0	2.0	2.0	3.0	6.0
160°	18.0	11.0	9.0	6.0	2.0	2.0	2.0	2.0	2.0	3.0	4.0
162.5°	13.0	8.0	5.0	4.0	2.0	2.0	2.0	3.0	2.0	2.0	4.0
165°	8.0	4.0	3.0	2.0	2.0	2.0	2.0	3.0	3.0	2.0	3.0
167.5°	4.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0
170°	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0
172.5°	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0
175°	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0
177.5°	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P241631

CATALOG NUMBER: FVS8M-4-LD4-40-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9
2.5°	2440.9	2441.9	2441.9	2441.9	2436.9	2428.9	2425.9	2418.9	2420.9	2424.9	2424.9
5°	2435.9	2436.9	2434.9	2433.9	2428.9	2419.9	2417.9	2414.9	2412.9	2419.9	2419.9
7.5°	2422.9	2421.9	2422.9	2423.9	2419.9	2412.9	2408.9	2404.9	2407.9	2412.9	2413.9
10°	2404.9	2406.9	2406.9	2405.9	2403.9	2398.9	2397.9	2394.9	2397.9	2401.9	2405.9
12.5°	2381.9	2384.9	2384.9	2386.9	2384.9	2379.9	2382.9	2378.9	2384.9	2393.9	2394.9
15°	2355.9	2356.9	2356.9	2362.9	2362.9	2361.9	2363.9	2362.9	2369.9	2373.9	2375.9
17.5°	2324.9	2324.9	2329.9	2336.9	2337.9	2329.9	2335.9	2336.9	2340.9	2349.9	2355.9
20°	2285.9	2292.9	2290.9	2298.9	2298.9	2299.9	2303.9	2307.9	2313.9	2318.9	2330.9
22.5°	2242.9	2250.9	2250.9	2255.9	2262.9	2266.9	2267.9	2272.9	2280.9	2295.9	2294.9
25°	2201.9	2201.9	2208.9	2213.9	2215.9	2226.9	2222.9	2238.9	2244.9	2256.9	2258.9
27.5°	2151.9	2152.9	2161.9	2170.9	2172.9	2175.9	2186.9	2191.9	2204.9	2210.9	2221.9
30°	2096.9	2105.9	2108.9	2121.9	2125.9	2132.9	2138.9	2146.9	2161.9	2166.9	2174.9
32.5°	2038.9	2050.9	2053.9	2064.9	2068.9	2079.9	2084.9	2091.9	2107.9	2118.9	2128.9
35°	1974.9	1984.9	1992.9	2008.9	2014.9	2021.9	2028.9	2042.9	2059.9	2064.9	2073.9
37.5°	1911.9	1922.9	1930.9	1944.9	1952.9	1965.9	1974.9	1983.9	1997.9	2009.9	2016.9
40°	1846.9	1857.9	1860.9	1879.9	1887.9	1902.9	1911.9	1926.9	1937.9	1949.9	1965.9
42.5°	1773.9	1784.9	1789.9	1808.9	1822.9	1829.9	1846.9	1858.9	1875.9	1882.9	1892.9
45°	1700.9	1708.9	1716.9	1734.9	1749.9	1758.9	1778.9	1788.9	1800.9	1814.9	1822.9
47.5°	1619.0	1629.0	1637.0	1658.0	1673.0	1690.0	1702.9	1716.9	1732.9	1741.9	1758.9
50°	1539.0	1549.0	1556.0	1578.0	1593.0	1606.0	1628.0	1647.0	1656.0	1669.0	1679.0
52.5°	1452.0	1466.0	1475.0	1499.0	1515.0	1530.0	1543.0	1563.0	1570.0	1593.0	1603.0
55°	1359.0	1374.0	1388.0	1407.0	1421.0	1450.0	1455.0	1477.0	1495.0	1507.0	1512.0
57.5°	1268.0	1280.0	1297.0	1317.0	1340.0	1356.0	1370.0	1386.0	1397.0	1410.0	1427.0
60°	1174.0	1193.0	1194.0	1218.0	1237.0	1262.0	1283.0	1293.0	1313.0	1321.0	1333.0
62.5°	1077.0	1084.0	1105.0	1128.0	1141.0	1166.0	1180.0	1202.0	1215.0	1234.0	1247.0
65°	970.0	988.0	1006.0	1018.0	1045.0	1062.0	1080.0	1102.0	1113.0	1138.0	1144.0
67.5°	871.0	888.0	894.0	919.0	941.0	968.0	987.0	1005.0	1017.0	1033.0	1054.0
70°	773.0	784.0	792.0	819.0	843.0	863.0	884.0	908.0	922.0	934.0	944.0
72.5°	661.0	669.0	691.0	711.0	736.0	760.0	781.0	802.0	818.0	831.0	843.0
75°	551.0	563.0	588.0	614.0	635.0	665.0	677.0	698.0	711.0	734.0	742.0
77.5°	455.0	470.0	481.0	513.0	532.0	563.0	585.0	602.0	611.0	630.0	647.0
80°	353.0	370.0	380.0	411.0	436.0	456.0	476.0	497.0	522.0	540.0	545.0
82.5°	264.0	272.0	285.0	319.0	345.0	377.0	397.0	412.0	433.0	447.0	459.0
85°	183.0	191.0	212.0	237.0	264.0	293.0	315.0	339.0	354.0	372.0	386.0
87.5°	121.0	136.0	154.0	183.0	207.0	235.0	259.0	279.0	299.0	316.0	329.0
90°	97.0	112.0	128.0	157.0	185.0	211.0	235.0	257.0	276.0	294.0	307.0
92.5°	93.0	108.0	123.0	153.0	180.0	207.0	231.0	254.0	272.0	289.0	304.0
95°	91.0	106.0	121.0	150.0	178.0	204.0	228.0	251.0	270.0	287.0	301.0
97.5°	89.0	104.0	119.0	148.0	175.0	202.0	225.0	247.0	267.0	284.0	298.0
100°	87.0	101.0	116.0	144.0	172.0	198.0	222.0	244.0	263.0	280.0	294.0
102.5°	85.0	99.0	114.0	141.0	168.0	193.0	217.0	238.0	258.0	274.0	288.0
105°	82.0	96.0	111.0	138.0	164.0	188.0	212.0	233.0	253.0	268.0	282.0
107.5°	80.0	94.0	107.0	135.0	160.0	184.0	206.0	227.0	246.0	263.0	276.0
110°	77.0	91.0	104.0	130.0	156.0	179.0	201.0	222.0	240.0	257.0	270.0



TEST NUMBER: P241631

CATALOG NUMBER: FVS8M-4-LD4-40-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	75.0	88.0	101.0	126.0	150.0	174.0	195.0	215.0	234.0	249.0	262.0
115°	72.0	85.0	97.0	122.0	146.0	169.0	189.0	209.0	226.0	242.0	255.0
117.5°	69.0	81.0	94.0	117.0	141.0	162.0	183.0	201.0	218.0	233.0	246.0
120°	66.0	78.0	90.0	113.0	135.0	157.0	176.0	194.0	210.0	225.0	237.0
122.5°	63.0	74.0	86.0	108.0	129.0	150.0	169.0	186.0	202.0	215.0	228.0
125°	60.0	71.0	82.0	103.0	123.0	143.0	161.0	178.0	193.0	206.0	218.0
127.5°	57.0	67.0	77.0	98.0	118.0	136.0	154.0	170.0	184.0	197.0	208.0
130°	53.0	63.0	72.0	92.0	111.0	129.0	146.0	161.0	176.0	187.0	198.0
132.5°	47.0	57.0	67.0	86.0	105.0	122.0	138.0	153.0	166.0	177.0	188.0
135°	42.0	51.0	60.0	77.0	96.0	114.0	129.0	143.0	156.0	166.0	177.0
137.5°	37.0	45.0	53.0	69.0	86.0	103.0	121.0	134.0	146.0	156.0	165.0
140°	33.0	39.0	47.0	61.0	77.0	92.0	109.0	125.0	136.0	146.0	155.0
142.5°	28.0	35.0	42.0	54.0	67.0	81.0	97.0	112.0	126.0	134.0	143.0
145°	24.0	30.0	36.0	47.0	58.0	71.0	83.0	100.0	114.0	124.0	131.0
147.5°	21.0	25.0	31.0	41.0	50.0	61.0	73.0	86.0	99.0	112.0	119.0
150°	18.0	22.0	26.0	34.0	43.0	52.0	61.0	73.0	83.0	97.0	107.0
152.5°	15.0	19.0	22.0	29.0	36.0	44.0	52.0	62.0	71.0	81.0	94.0
155°	13.0	16.0	19.0	24.0	30.0	36.0	43.0	51.0	59.0	68.0	78.0
157.5°	10.0	13.0	16.0	20.0	25.0	29.0	35.0	40.0	48.0	53.0	62.0
160°	8.0	10.0	12.0	16.0	20.0	24.0	27.0	32.0	37.0	41.0	48.0
162.5°	6.0	8.0	10.0	13.0	16.0	19.0	21.0	24.0	27.0	31.0	36.0
165°	4.0	6.0	7.0	9.0	12.0	14.0	16.0	17.0	19.0	22.0	25.0
167.5°	3.0	4.0	5.0	6.0	8.0	10.0	11.0	12.0	13.0	14.0	16.0
170°	3.0	3.0	3.0	4.0	5.0	6.0	7.0	7.0	8.0	8.0	9.0
172.5°	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0
175°	3.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0
177.5°	3.0	2.0	2.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P241631

CATALOG NUMBER: FVS8M-4-LD4-40-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9
2.5°	2425.9	2427.9	2427.9	2427.9	2427.9	2426.9	2427.9	2427.9	2426.9	2426.9	2426.9
5°	2421.9	2421.9	2424.9	2423.9	2424.9	2423.9	2423.9	2421.9	2423.9	2422.9	2421.9
7.5°	2415.9	2416.9	2417.9	2419.9	2418.9	2417.9	2418.9	2416.9	2415.9	2415.9	2415.9
10°	2406.9	2409.9	2411.9	2413.9	2411.9	2412.9	2411.9	2410.9	2407.9	2408.9	2408.9
12.5°	2393.9	2395.9	2398.9	2398.9	2399.9	2397.9	2401.9	2398.9	2396.9	2398.9	2393.9
15°	2379.9	2377.9	2381.9	2385.9	2384.9	2383.9	2385.9	2382.9	2381.9	2378.9	2380.9
17.5°	2361.9	2360.9	2366.9	2365.9	2365.9	2364.9	2363.9	2362.9	2359.9	2358.9	2357.9
20°	2331.9	2336.9	2337.9	2340.9	2340.9	2340.9	2340.9	2335.9	2333.9	2332.9	2331.9
22.5°	2301.9	2303.9	2306.9	2309.9	2310.9	2311.9	2310.9	2311.9	2307.9	2305.9	2304.9
25°	2262.9	2271.9	2278.9	2282.9	2278.9	2280.9	2279.9	2276.9	2277.9	2269.9	2270.9
27.5°	2221.9	2227.9	2234.9	2239.9	2238.9	2240.9	2240.9	2239.9	2235.9	2234.9	2231.9
30°	2179.9	2184.9	2185.9	2192.9	2195.9	2198.9	2195.9	2194.9	2192.9	2185.9	2186.9
32.5°	2134.9	2133.9	2144.9	2143.9	2147.9	2152.9	2149.9	2148.9	2143.9	2140.9	2139.9
35°	2075.9	2081.9	2088.9	2092.9	2092.9	2094.9	2097.9	2093.9	2093.9	2087.9	2087.9
37.5°	2026.9	2026.9	2030.9	2036.9	2039.9	2043.9	2040.9	2042.9	2032.9	2034.9	2028.9
40°	1962.9	1966.9	1972.9	1975.9	1978.9	1987.9	1981.9	1975.9	1972.9	1974.9	1964.9
42.5°	1899.9	1898.9	1906.9	1911.9	1913.9	1918.9	1916.9	1915.9	1912.9	1905.9	1899.9
45°	1826.9	1834.9	1838.9	1841.9	1847.9	1851.9	1846.9	1848.9	1840.9	1833.9	1831.9
47.5°	1760.9	1762.9	1764.9	1773.9	1770.9	1775.9	1777.9	1779.9	1773.9	1765.9	1763.9
50°	1686.0	1683.0	1692.9	1698.9	1696.9	1700.9	1702.9	1701.9	1696.9	1685.0	1684.0
52.5°	1602.0	1603.0	1612.0	1620.0	1616.0	1620.0	1624.0	1623.0	1612.0	1611.0	1606.0
55°	1519.0	1522.0	1531.0	1532.0	1535.0	1542.0	1538.0	1534.0	1536.0	1527.0	1521.0
57.5°	1432.0	1432.0	1442.0	1448.0	1448.0	1455.0	1454.0	1449.0	1447.0	1445.0	1436.0
60°	1342.0	1345.0	1352.0	1356.0	1365.0	1366.0	1359.0	1363.0	1361.0	1348.0	1341.0
62.5°	1247.0	1246.0	1261.0	1265.0	1267.0	1268.0	1265.0	1270.0	1260.0	1254.0	1255.0
65°	1145.0	1149.0	1160.0	1176.0	1172.0	1173.0	1168.0	1169.0	1163.0	1156.0	1152.0
67.5°	1058.0	1061.0	1063.0	1074.0	1085.0	1077.0	1072.0	1070.0	1064.0	1064.0	1056.0
70°	948.0	953.0	974.0	972.0	975.0	972.0	978.0	979.0	963.0	954.0	961.0
72.5°	857.0	852.0	873.0	867.0	872.0	875.0	876.0	867.0	865.0	856.0	852.0
75°	748.0	760.0	767.0	768.0	769.0	782.0	779.0	774.0	763.0	749.0	753.0
77.5°	654.0	659.0	663.0	667.0	670.0	676.0	677.0	674.0	664.0	661.0	655.0
80°	555.0	562.0	572.0	573.0	575.0	580.0	582.0	577.0	569.0	554.0	548.0
82.5°	465.0	471.0	487.0	490.0	494.0	488.0	495.0	488.0	476.0	471.0	466.0
85°	389.0	398.0	404.0	409.0	413.0	419.0	413.0	412.0	404.0	396.0	387.0
87.5°	338.0	343.0	354.0	357.0	359.0	365.0	363.0	359.0	350.0	339.0	336.0
90°	314.0	320.0	330.0	336.0	340.0	340.0	339.0	335.0	328.0	319.0	312.0
92.5°	312.0	319.0	328.0	333.0	337.0	338.0	337.0	332.0	325.0	315.0	309.0
95°	308.0	314.0	324.0	330.0	333.0	335.0	333.0	330.0	323.0	312.0	307.0
97.5°	305.0	311.0	320.0	327.0	330.0	332.0	330.0	326.0	319.0	309.0	303.0
100°	299.0	306.0	315.0	322.0	325.0	327.0	326.0	321.0	314.0	305.0	299.0
102.5°	294.0	300.0	309.0	316.0	319.0	320.0	319.0	315.0	308.0	299.0	293.0
105°	289.0	294.0	303.0	309.0	313.0	314.0	313.0	310.0	303.0	293.0	287.0
107.5°	282.0	288.0	297.0	303.0	306.0	308.0	306.0	303.0	296.0	286.0	281.0
110°	276.0	280.0	289.0	295.0	299.0	300.0	299.0	295.0	288.0	279.0	273.0



TEST NUMBER: P241631

CATALOG NUMBER: FVS8M-4-LD4-40-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	268.0	273.0	282.0	287.0	290.0	292.0	291.0	286.0	280.0	270.0	265.0
115°	260.0	265.0	274.0	279.0	282.0	284.0	283.0	279.0	271.0	262.0	257.0
117.5°	251.0	257.0	265.0	269.0	273.0	274.0	273.0	269.0	263.0	255.0	248.0
120°	243.0	247.0	255.0	260.0	263.0	264.0	263.0	259.0	253.0	244.0	240.0
122.5°	233.0	238.0	246.0	252.0	254.0	255.0	254.0	251.0	244.0	235.0	230.0
125°	223.0	227.0	235.0	240.0	243.0	245.0	243.0	239.0	232.0	225.0	220.0
127.5°	212.0	217.0	225.0	229.0	232.0	234.0	232.0	227.0	222.0	215.0	210.0
130°	202.0	207.0	213.0	218.0	221.0	222.0	220.0	217.0	212.0	204.0	200.0
132.5°	192.0	196.0	202.0	207.0	209.0	210.0	208.0	205.0	200.0	193.0	188.0
135°	181.0	184.0	190.0	194.0	197.0	198.0	196.0	192.0	188.0	182.0	178.0
137.5°	169.0	173.0	178.0	183.0	185.0	186.0	184.0	181.0	176.0	170.0	166.0
140°	158.0	160.0	167.0	169.0	172.0	173.0	170.0	167.0	163.0	157.0	154.0
142.5°	146.0	149.0	154.0	157.0	160.0	160.0	158.0	155.0	151.0	145.0	143.0
145°	134.0	136.0	141.0	144.0	146.0	146.0	145.0	142.0	139.0	133.0	131.0
147.5°	122.0	124.0	128.0	131.0	133.0	134.0	132.0	130.0	126.0	121.0	118.0
150°	110.0	111.0	115.0	117.0	119.0	119.0	118.0	116.0	112.0	109.0	106.0
152.5°	97.0	98.0	102.0	104.0	105.0	107.0	105.0	102.0	100.0	96.0	94.0
155°	85.0	87.0	89.0	91.0	92.0	92.0	91.0	90.0	87.0	84.0	81.0
157.5°	68.0	74.0	77.0	78.0	78.0	79.0	78.0	76.0	75.0	72.0	70.0
160°	53.0	57.0	63.0	66.0	66.0	65.0	65.0	63.0	62.0	59.0	59.0
162.5°	39.0	42.0	50.0	51.0	53.0	52.0	52.0	52.0	50.0	49.0	46.0
165°	27.0	29.0	35.0	40.0	40.0	39.0	39.0	38.0	38.0	36.0	34.0
167.5°	17.0	18.0	21.0	28.0	28.0	27.0	27.0	27.0	26.0	24.0	24.0
170°	9.0	10.0	11.0	13.0	16.0	16.0	15.0	16.0	15.0	14.0	13.0
172.5°	3.0	3.0	2.0	3.0	6.0	6.0	6.0	6.0	6.0	5.0	5.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P241631

CATALOG NUMBER: FVS8M-4-LD4-40-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9	2424.9
2.5°	2426.9	2424.9	2421.9	2416.9	2411.9	2411.9	2411.9	2414.9	2416.9	2415.9	2416.9
5°	2421.9	2416.9	2414.9	2408.9	2405.9	2405.9	2403.9	2406.9	2411.9	2409.9	2410.9
7.5°	2415.9	2412.9	2407.9	2400.9	2394.9	2393.9	2393.9	2394.9	2396.9	2395.9	2394.9
10°	2405.9	2401.9	2398.9	2389.9	2382.9	2379.9	2378.9	2381.9	2379.9	2379.9	2378.9
12.5°	2394.9	2389.9	2383.9	2373.9	2367.9	2361.9	2361.9	2359.9	2360.9	2360.9	2358.9
15°	2374.9	2374.9	2365.9	2357.9	2347.9	2341.9	2337.9	2337.9	2336.9	2335.9	2331.9
17.5°	2355.9	2350.9	2341.9	2331.9	2325.9	2318.9	2313.9	2307.9	2306.9	2305.9	2299.9
20°	2331.9	2322.9	2317.9	2306.9	2297.9	2289.9	2280.9	2274.9	2273.9	2267.9	2263.9
22.5°	2301.9	2294.9	2286.9	2276.9	2262.9	2253.9	2247.9	2239.9	2232.9	2230.9	2226.9
25°	2268.9	2263.9	2257.9	2239.9	2227.9	2218.9	2207.9	2198.9	2189.9	2186.9	2181.9
27.5°	2229.9	2220.9	2214.9	2204.9	2188.9	2171.9	2162.9	2150.9	2144.9	2138.9	2136.9
30°	2181.9	2178.9	2166.9	2156.9	2141.9	2127.9	2118.9	2097.9	2094.9	2086.9	2077.9
32.5°	2136.9	2133.9	2118.9	2107.9	2091.9	2078.9	2064.9	2048.9	2034.9	2032.9	2022.9
35°	2080.9	2079.9	2065.9	2053.9	2038.9	2026.9	2007.9	1993.9	1975.9	1969.9	1963.9
37.5°	2022.9	2022.9	2007.9	1994.9	1981.9	1964.9	1948.9	1925.9	1918.9	1906.9	1900.9
40°	1960.9	1953.9	1945.9	1935.9	1915.9	1900.9	1882.9	1865.9	1849.9	1839.9	1833.9
42.5°	1894.9	1892.9	1885.9	1872.9	1851.9	1832.9	1818.9	1799.9	1777.9	1774.9	1762.9
45°	1828.9	1826.9	1811.9	1800.9	1782.9	1764.9	1746.9	1723.9	1706.9	1699.9	1688.0
47.5°	1752.9	1750.9	1742.9	1723.9	1708.9	1688.0	1672.0	1647.0	1626.0	1617.0	1606.0
50°	1681.0	1671.0	1661.0	1648.0	1628.0	1614.0	1595.0	1573.0	1554.0	1537.0	1532.0
52.5°	1603.0	1591.0	1578.0	1571.0	1545.0	1533.0	1511.0	1483.0	1467.0	1458.0	1443.0
55°	1516.0	1506.0	1502.0	1476.0	1464.0	1442.0	1428.0	1405.0	1385.0	1362.0	1358.0
57.5°	1430.0	1417.0	1406.0	1388.0	1380.0	1358.0	1339.0	1308.0	1290.0	1273.0	1260.0
60°	1339.0	1330.0	1313.0	1298.0	1282.0	1268.0	1245.0	1212.0	1190.0	1178.0	1177.0
62.5°	1242.0	1233.0	1228.0	1199.0	1190.0	1162.0	1142.0	1121.0	1088.0	1078.0	1066.0
65°	1145.0	1139.0	1120.0	1105.0	1083.0	1068.0	1048.0	1021.0	997.0	978.0	963.0
67.5°	1055.0	1043.0	1026.0	1004.0	989.0	969.0	943.0	910.0	884.0	878.0	862.0
70°	949.0	932.0	924.0	898.0	880.0	865.0	836.0	813.0	783.0	764.0	750.0
72.5°	850.0	834.0	821.0	799.0	778.0	754.0	732.0	704.0	675.0	657.0	646.0
75°	748.0	733.0	722.0	699.0	681.0	654.0	622.0	597.0	577.0	553.0	537.0
77.5°	645.0	629.0	623.0	591.0	569.0	555.0	526.0	498.0	464.0	454.0	435.0
80°	543.0	530.0	521.0	491.0	473.0	446.0	425.0	397.0	368.0	349.0	337.0
82.5°	463.0	447.0	423.0	406.0	382.0	361.0	330.0	308.0	274.0	260.0	246.0
85°	383.0	365.0	352.0	326.0	311.0	289.0	260.0	228.0	200.0	184.0	169.0
87.5°	328.0	311.0	298.0	275.0	254.0	226.0	203.0	175.0	142.0	128.0	115.0
90°	306.0	290.0	273.0	253.0	231.0	206.0	180.0	152.0	122.0	107.0	92.0
92.5°	303.0	288.0	271.0	250.0	228.0	203.0	177.0	149.0	120.0	104.0	89.0
95°	300.0	285.0	268.0	247.0	225.0	201.0	175.0	147.0	118.0	102.0	87.0
97.5°	297.0	282.0	265.0	244.0	222.0	198.0	172.0	145.0	115.0	100.0	85.0
100°	292.0	277.0	260.0	240.0	218.0	194.0	169.0	142.0	113.0	98.0	84.0
102.5°	287.0	272.0	255.0	235.0	213.0	190.0	165.0	138.0	110.0	95.0	81.0
105°	280.0	265.0	249.0	230.0	209.0	186.0	160.0	135.0	107.0	93.0	79.0
107.5°	274.0	260.0	243.0	224.0	203.0	181.0	156.0	131.0	104.0	90.0	76.0
110°	267.0	253.0	237.0	218.0	198.0	176.0	152.0	127.0	101.0	87.0	74.0



TEST NUMBER: P241631

CATALOG NUMBER: FVS8M-4-LD4-40-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	259.0	245.0	230.0	212.0	192.0	170.0	147.0	123.0	97.0	84.0	71.0
115°	251.0	239.0	223.0	205.0	185.0	164.0	142.0	118.0	93.0	80.0	68.0
117.5°	243.0	230.0	215.0	198.0	179.0	158.0	136.0	113.0	89.0	77.0	65.0
120°	233.0	221.0	207.0	191.0	172.0	152.0	131.0	108.0	85.0	73.0	62.0
122.5°	225.0	213.0	199.0	183.0	165.0	145.0	125.0	104.0	81.0	69.0	58.0
125°	215.0	203.0	190.0	174.0	157.0	138.0	119.0	99.0	76.0	65.0	55.0
127.5°	206.0	195.0	181.0	166.0	149.0	132.0	113.0	94.0	72.0	62.0	52.0
130°	195.0	184.0	171.0	157.0	142.0	124.0	107.0	88.0	68.0	58.0	48.0
132.5°	185.0	174.0	162.0	149.0	134.0	117.0	100.0	82.0	63.0	54.0	45.0
135°	174.0	163.0	152.0	139.0	125.0	110.0	94.0	76.0	59.0	50.0	41.0
137.5°	162.0	153.0	142.0	130.0	117.0	102.0	87.0	71.0	54.0	46.0	38.0
140°	151.0	142.0	132.0	121.0	107.0	94.0	80.0	65.0	50.0	41.0	35.0
142.5°	139.0	131.0	121.0	111.0	98.0	87.0	73.0	59.0	45.0	37.0	31.0
145°	128.0	119.0	111.0	101.0	89.0	79.0	66.0	53.0	40.0	34.0	27.0
147.5°	116.0	109.0	100.0	91.0	81.0	70.0	59.0	47.0	35.0	29.0	24.0
150°	103.0	97.0	90.0	81.0	72.0	63.0	52.0	41.0	30.0	25.0	20.0
152.5°	92.0	85.0	80.0	71.0	63.0	54.0	45.0	35.0	26.0	21.0	17.0
155°	79.0	74.0	68.0	62.0	54.0	47.0	38.0	30.0	21.0	17.0	13.0
157.5°	68.0	64.0	58.0	52.0	45.0	38.0	32.0	24.0	17.0	13.0	10.0
160°	56.0	52.0	47.0	43.0	37.0	31.0	25.0	19.0	13.0	10.0	7.0
162.5°	45.0	42.0	37.0	33.0	29.0	24.0	19.0	14.0	9.0	6.0	4.0
165°	33.0	31.0	28.0	24.0	21.0	17.0	13.0	9.0	5.0	4.0	3.0
167.5°	23.0	21.0	18.0	16.0	14.0	10.0	8.0	5.0	3.0	3.0	2.0
170°	13.0	11.0	10.0	8.0	7.0	5.0	3.0	3.0	2.0	2.0	2.0
172.5°	4.0	3.0	3.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0
175°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
177.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P241631

CATALOG NUMBER: FVS8M-4-LD4-40-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2424.9	2424.9	2424.9	2424.9
2.5°	2418.9	2424.9	2428.9	2429.9
5°	2410.9	2417.9	2418.9	2422.9
7.5°	2396.9	2404.9	2406.9	2408.9
10°	2378.9	2384.9	2390.9	2392.9
12.5°	2355.9	2363.9	2364.9	2365.9
15°	2330.9	2332.9	2337.9	2336.9
17.5°	2294.9	2298.9	2304.9	2302.9
20°	2259.9	2262.9	2267.9	2263.9
22.5°	2220.9	2216.9	2220.9	2224.9
25°	2171.9	2171.9	2174.9	2171.9
27.5°	2122.9	2118.9	2116.9	2120.9
30°	2069.9	2061.9	2058.9	2062.9
32.5°	2008.9	1999.9	1999.9	1999.9
35°	1953.9	1944.9	1934.9	1932.9
37.5°	1886.9	1872.9	1864.9	1866.9
40°	1818.9	1800.9	1799.9	1791.9
42.5°	1742.9	1728.9	1722.9	1720.9
45°	1669.0	1647.0	1640.0	1637.0
47.5°	1585.0	1569.0	1556.0	1555.0
50°	1504.0	1488.0	1476.0	1476.0
52.5°	1416.0	1398.0	1385.0	1379.0
55°	1331.0	1304.0	1288.0	1293.0
57.5°	1235.0	1209.0	1191.0	1188.0
60°	1143.0	1117.0	1098.0	1099.0
62.5°	1036.0	1022.0	997.0	993.0
65°	944.0	919.0	891.0	884.0
67.5°	830.0	814.0	789.0	783.0
70°	726.0	705.0	684.0	668.0
72.5°	619.0	592.0	579.0	569.0
75°	516.0	479.0	469.0	468.0
77.5°	409.0	378.0	364.0	349.0
80°	304.0	283.0	260.0	248.0
82.5°	215.0	186.0	161.0	156.0
85°	135.0	107.0	84.0	73.0
87.5°	81.0	53.0	33.0	22.0
90°	61.0	32.0	10.0	1.0
92.5°	59.0	31.0	9.0	1.0
95°	57.0	30.0	8.0	1.0
97.5°	56.0	29.0	8.0	1.0
100°	55.0	28.0	8.0	1.0
102.5°	53.0	27.0	7.0	1.0
105°	52.0	26.0	7.0	1.0
107.5°	50.0	25.0	7.0	1.0
110°	48.0	24.0	6.0	1.0



TEST NUMBER: P241631

CATALOG NUMBER: FVS8M-4-LD4-40-3HI-O-UNV-EDC1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	46.0	23.0	6.0	1.0
115°	44.0	22.0	5.0	1.0
117.5°	41.0	20.0	4.0	1.0
120°	39.0	19.0	4.0	1.0
122.5°	37.0	18.0	3.0	1.0
125°	35.0	16.0	3.0	1.0
127.5°	33.0	15.0	2.0	1.0
130°	30.0	13.0	2.0	1.0
132.5°	28.0	12.0	2.0	1.0
135°	25.0	11.0	2.0	2.0
137.5°	23.0	9.0	2.0	2.0
140°	20.0	8.0	2.0	2.0
142.5°	18.0	6.0	2.0	2.0
145°	15.0	5.0	2.0	2.0
147.5°	13.0	4.0	2.0	2.0
150°	10.0	3.0	2.0	2.0
152.5°	8.0	3.0	2.0	2.0
155°	6.0	2.0	2.0	2.0
157.5°	4.0	2.0	2.0	2.0
160°	3.0	2.0	2.0	2.0
162.5°	3.0	2.0	3.0	3.0
165°	2.0	2.0	3.0	3.0
167.5°	2.0	3.0	3.0	3.0
170°	2.0	3.0	3.0	3.0
172.5°	2.0	3.0	3.0	3.0
175°	3.0	3.0	3.0	3.0
177.5°	3.0	3.0	3.0	3.0
180°	1.0	1.0	1.0	1.0

(END OF REPORT)