

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: INVUE

Report Number: P149950

Luminaire Tested: **VWM-E04-LED-E1-SL2**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P149950
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VWM-E04-LED-E1-SL2
Description: VISION WALL MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (84) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12220.4 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

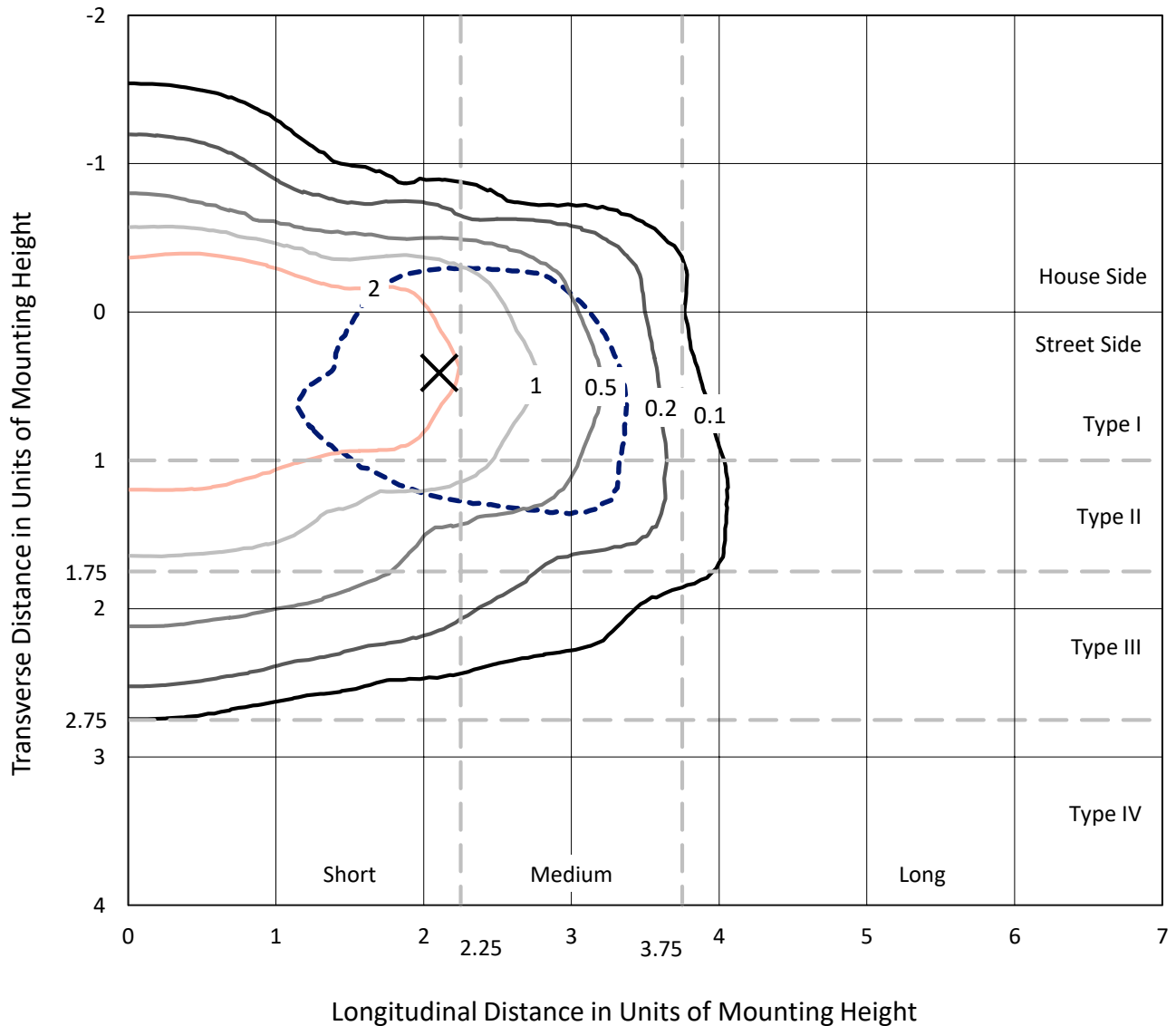
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

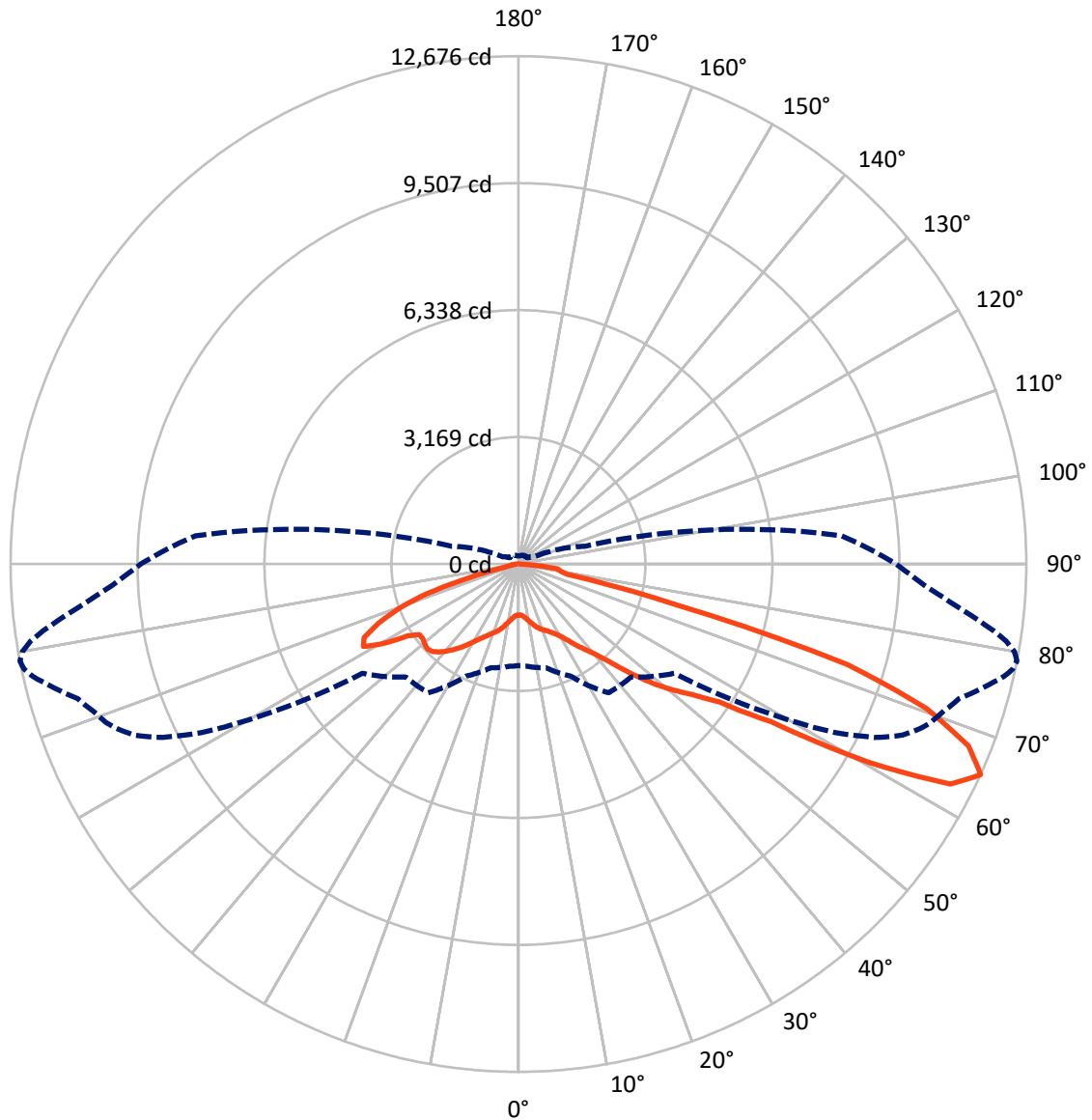
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2888.9	0.0	2888.9
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	9331.5	0.0	9331.5
	% Fixture	76.4	0.0	76.4
Total	Lumens	12220.4	0.0	12220.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	1.0
10°-20°	413.4	3.4
20°-30°	714.1	5.8
30°-40°	1182.1	9.7
40°-50°	2004.8	16.4
50°-60°	2663.7	21.8
60°-70°	3440.9	28.2
70°-80°	1443.1	11.8
80°-90°	231.8	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	12220.4	100.0
0°-180°	12220.4	100.0



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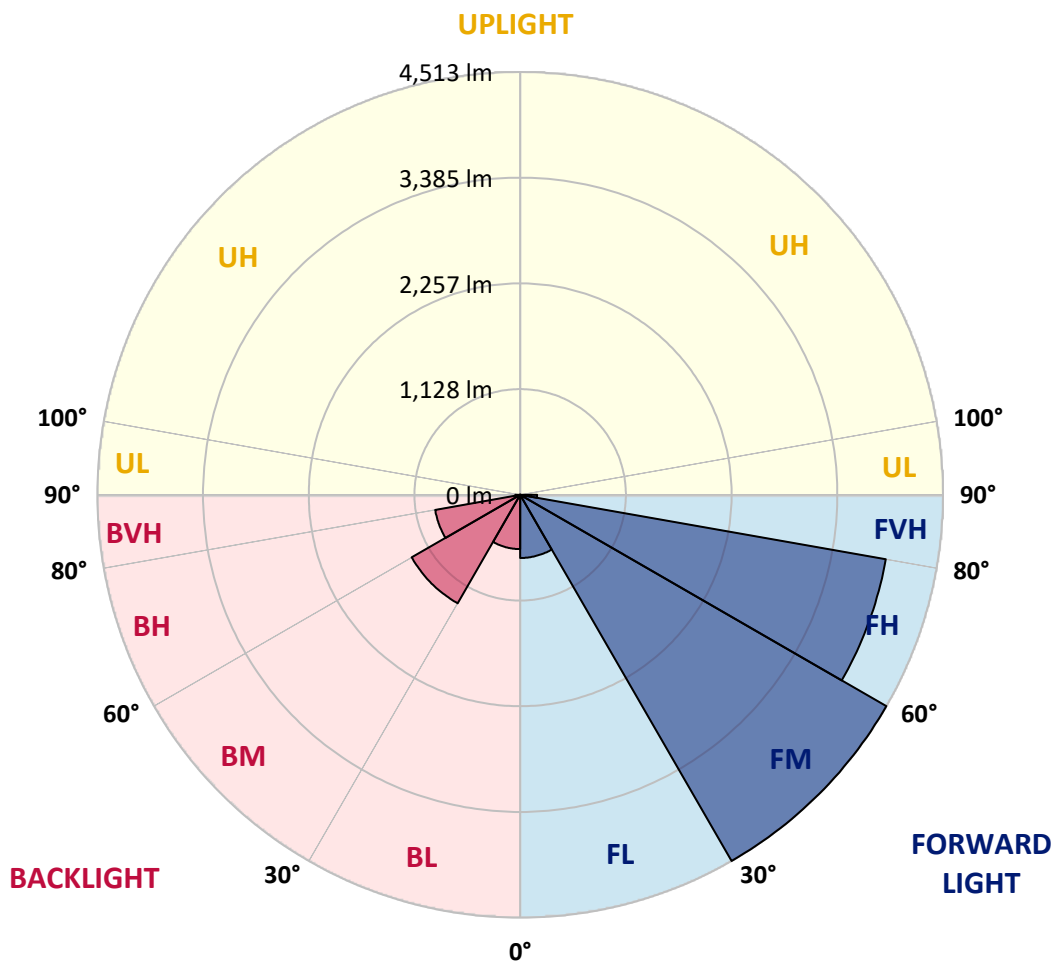
CATALOG NUMBER: VWM-E04-LED-E1-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	674.3	5.5			
FM (30°-60°)	4513.4	36.9			
FH (60°-80°)	3962.6	32.4			G2/5000
FVH (80°-90°)	181.3	1.5			G2/225
BL (0°-30°)	579.7	4.7	B2/1000		
BM (30°-60°)	1337.2	10.9	B2/2500		
BH (60°-80°)	921.3	7.5	B2/1000		G2/1000
BVH (80°-90°)	50.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0
2.5°	1268.0	1272.0	1269.3	1272.0	1274.7	1276.0	1278.7	1277.3	1277.3	1278.7	1276.0
5°	1268.0	1268.0	1272.0	1278.7	1281.3	1289.3	1298.7	1297.3	1298.7	1297.3	1300.0
7.5°	1294.7	1293.3	1297.3	1305.3	1308.0	1320.0	1336.0	1338.7	1341.3	1341.3	1345.3
10°	1341.3	1340.0	1344.0	1348.0	1352.0	1361.3	1384.0	1393.3	1394.7	1396.0	1401.3
12.5°	1400.0	1398.7	1393.3	1393.3	1392.0	1409.3	1440.0	1457.3	1460.0	1465.3	1469.3
15°	1441.3	1437.3	1429.3	1424.0	1430.7	1458.7	1504.0	1524.0	1526.7	1530.7	1541.3
17.5°	1481.3	1477.3	1460.0	1446.7	1456.0	1501.3	1562.7	1584.0	1589.3	1593.3	1605.3
20°	1537.3	1534.7	1509.3	1477.3	1474.7	1533.3	1608.0	1636.0	1640.0	1645.3	1657.3
22.5°	1622.7	1610.7	1581.3	1521.3	1492.0	1552.0	1640.0	1678.7	1684.0	1689.3	1705.3
25°	1729.3	1724.0	1673.3	1581.3	1520.0	1570.7	1674.7	1722.7	1730.7	1737.3	1758.7
27.5°	1840.0	1832.0	1777.3	1657.3	1569.3	1608.0	1729.3	1784.0	1794.7	1805.3	1825.3
30°	1938.7	1936.0	1890.7	1760.0	1649.3	1678.7	1817.3	1884.0	1896.0	1909.3	1928.0
32.5°	2170.7	2172.0	2125.3	1992.0	1842.7	1806.7	1944.0	2044.0	2049.3	2065.3	2098.7
35°	2614.7	2620.0	2602.7	2497.3	2329.3	2181.3	2194.7	2293.3	2298.7	2312.0	2344.0
37.5°	2912.0	2922.7	2976.0	3009.3	2924.0	2856.0	2686.7	2648.0	2652.0	2644.0	2637.3
40°	3076.0	3092.0	3232.0	3405.3	3498.7	3500.0	3426.7	3256.0	3190.7	3172.0	3092.0
42.5°	3169.3	3196.0	3394.7	3690.7	3958.7	4142.7	4188.0	3998.7	3950.7	3865.3	3712.0
45°	3230.7	3262.7	3497.3	3902.7	4297.3	4610.7	4846.7	4762.7	4730.7	4678.7	4537.3
47.5°	3220.0	3245.3	3489.3	3974.7	4474.7	4920.0	5338.7	5425.3	5386.7	5373.3	5277.3
50°	3025.3	3048.0	3296.0	3796.0	4377.3	5037.3	5650.7	5896.0	5896.0	5921.3	5892.0
52.5°	2817.3	2836.0	3061.3	3510.7	4062.7	4922.7	5824.0	6230.7	6284.0	6328.0	6397.3
55°	2738.7	2761.3	2932.0	3316.0	3794.7	4594.7	5882.7	6481.3	6580.0	6654.7	6812.0
57.5°	2776.0	2798.7	2920.0	3210.7	3637.3	4260.0	5885.3	6818.7	7009.3	7162.7	7481.3
60°	2937.3	2958.7	3060.0	3308.0	3596.0	4066.7	5772.0	7356.0	7660.0	7948.0	8478.7
62.5°	2862.7	2889.3	3037.3	3469.3	3904.0	3920.0	5362.7	7772.0	8261.3	8686.7	9530.7
65°	2536.0	2564.0	2680.0	3084.0	3922.7	3984.0	4756.0	7780.0	8388.0	8962.7	9873.3
67.5°	1925.3	1936.0	2028.0	2352.0	3137.3	4054.7	4132.0	6858.7	7437.3	8078.7	9018.7
70°	984.0	1002.7	1029.3	1298.7	2020.0	3350.7	3550.7	5054.7	5792.0	6454.7	7584.0
72.5°	341.3	348.0	374.7	496.0	984.0	2198.7	3108.0	3464.0	3909.3	4529.3	5837.3
75°	205.3	205.3	214.7	250.7	449.3	1145.3	2765.3	2829.3	2889.3	3097.3	3953.3
77.5°	162.7	165.3	165.3	172.0	249.3	588.0	2100.0	2630.7	2638.7	2658.7	2802.7
80°	116.0	121.3	132.0	137.3	161.3	322.7	1178.7	2309.3	2466.7	2542.7	2648.0
82.5°	86.7	92.0	112.0	118.7	125.3	180.0	529.3	1593.3	1880.0	2032.0	2402.7
85°	38.7	45.3	76.0	84.0	88.0	96.0	248.0	453.3	521.3	585.3	772.0
87.5°	6.7	6.7	12.0	17.3	25.3	24.0	54.7	77.3	78.7	92.0	102.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: VWM-E04-LED-E1-SL2

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0
2.5°	1276.0	1276.0	1276.0	1274.7	1276.0	1276.0	1276.0	1276.0	1277.3	1277.3	1277.3
5°	1304.0	1301.3	1302.7	1302.7	1302.7	1301.3	1304.0	1302.7	1304.0	1308.0	1306.7
7.5°	1345.3	1348.0	1349.3	1350.7	1350.7	1350.7	1352.0	1354.7	1354.7	1358.7	1357.3
10°	1406.7	1405.3	1406.7	1410.7	1414.7	1416.0	1420.0	1418.7	1421.3	1426.7	1432.0
12.5°	1472.0	1474.7	1478.7	1482.7	1489.3	1490.7	1494.7	1496.0	1504.0	1504.0	1509.3
15°	1545.3	1546.7	1554.7	1556.0	1564.0	1566.7	1573.3	1576.0	1585.3	1586.7	1592.0
17.5°	1612.0	1614.7	1618.7	1622.7	1632.0	1636.0	1641.3	1646.7	1654.7	1657.3	1666.7
20°	1665.3	1670.7	1672.0	1680.0	1688.0	1693.3	1698.7	1704.0	1712.0	1716.0	1725.3
22.5°	1713.3	1718.7	1722.7	1729.3	1734.7	1742.7	1745.3	1754.7	1762.7	1769.3	1777.3
25°	1765.3	1773.3	1777.3	1789.3	1793.3	1801.3	1808.0	1817.3	1828.0	1836.0	1846.7
27.5°	1838.7	1850.7	1856.0	1869.3	1878.7	1882.7	1893.3	1906.7	1916.0	1925.3	1936.0
30°	1940.0	1962.7	1966.7	1976.0	1993.3	1996.0	2009.3	2020.0	2034.7	2044.0	2053.3
32.5°	2097.3	2125.3	2128.0	2138.7	2153.3	2158.7	2169.3	2181.3	2204.0	2208.0	2222.7
35°	2338.7	2350.7	2361.3	2365.3	2377.3	2384.0	2392.0	2405.3	2428.0	2425.3	2441.3
37.5°	2628.0	2632.0	2633.3	2620.0	2622.7	2610.7	2625.3	2628.0	2636.0	2642.7	2658.7
40°	3041.3	3000.0	2994.7	2962.7	2930.7	2913.3	2906.7	2880.0	2886.7	2889.3	2902.7
42.5°	3645.3	3565.3	3498.7	3453.3	3374.7	3336.0	3284.0	3242.7	3210.7	3222.7	3228.0
45°	4410.7	4296.0	4189.3	4050.7	3948.0	3874.7	3782.7	3700.0	3662.7	3645.3	3666.7
47.5°	5174.7	5073.3	4948.0	4805.3	4642.7	4521.3	4368.0	4233.3	4140.0	4105.3	4124.0
50°	5834.7	5741.3	5646.7	5562.7	5373.3	5241.3	5032.0	4857.3	4710.7	4636.0	4616.0
52.5°	6382.7	6333.3	6282.7	6212.0	6060.0	5928.0	5761.3	5589.3	5394.7	5242.7	5190.7
55°	6872.0	6901.3	6876.0	6877.3	6817.3	6733.3	6592.0	6464.0	6328.0	6156.0	6084.0
57.5°	7585.3	7758.7	7793.3	7880.0	7922.7	7968.0	8008.0	7932.0	7897.3	7769.3	7770.7
60°	8709.3	8962.7	9182.7	9382.7	9546.7	9706.7	9874.7	9949.3	10032.0	10070.7	10202.7
62.5°	9905.3	10146.7	10474.7	10742.7	10893.3	11101.3	11284.0	11402.7	11548.0	11702.7	11904.0
65°	10201.3	10492.0	10698.7	10877.3	11026.7	11137.3	11237.3	11378.7	11500.0	11745.3	11982.7
67.5°	9442.7	9674.7	9864.0	10040.0	10156.0	10249.3	10338.7	10432.0	10640.0	10862.7	11101.3
70°	8105.3	8385.3	8698.7	8926.7	8984.0	9064.0	9149.3	9270.7	9374.7	9608.0	9789.3
72.5°	6512.0	6914.7	7180.0	7496.0	7564.0	7685.3	7733.3	7828.0	7846.7	7973.3	8021.3
75°	4538.7	5000.0	5266.7	5498.7	5544.0	5477.3	5504.0	5169.3	5084.0	5014.7	4958.7
77.5°	2996.0	3120.0	3162.7	3125.3	2946.7	2806.7	2657.3	2510.7	2526.7	2408.0	2200.0
80°	2664.0	2692.0	2653.3	2616.0	2513.3	2366.7	2232.0	2094.7	2026.7	1954.7	1848.0
82.5°	2592.0	2700.0	2712.0	2666.7	2585.3	2425.3	2262.7	2058.7	1885.3	1725.3	1562.7
85°	866.7	1054.7	1138.7	1217.3	1241.3	1269.3	1173.3	1042.7	885.3	780.0	610.7
87.5°	110.7	137.3	158.7	136.0	158.7	186.7	134.7	150.7	152.0	94.7	70.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0
2.5°	1278.7	1277.3	1277.3	1277.3	1276.0	1277.3	1277.3	1277.3	1277.3	1277.3	1276.0
5°	1308.0	1308.0	1312.0	1313.3	1310.7	1309.3	1310.7	1312.0	1312.0	1310.7	1312.0
7.5°	1362.7	1364.0	1366.7	1370.7	1368.0	1369.3	1370.7	1369.3	1373.3	1374.7	1373.3
10°	1432.0	1434.7	1441.3	1442.7	1441.3	1446.7	1448.0	1445.3	1448.0	1448.0	1453.3
12.5°	1512.0	1514.7	1522.7	1525.3	1528.0	1529.3	1533.3	1534.7	1538.7	1541.3	1545.3
15°	1598.7	1601.3	1606.7	1616.0	1618.7	1621.3	1624.0	1632.0	1633.3	1638.7	1642.7
17.5°	1672.0	1676.0	1684.0	1690.7	1694.7	1701.3	1704.0	1713.3	1716.0	1724.0	1730.7
20°	1730.7	1737.3	1744.0	1752.0	1758.7	1766.7	1769.3	1778.7	1784.0	1788.0	1796.0
22.5°	1784.0	1792.0	1801.3	1810.7	1816.0	1826.7	1830.7	1834.7	1846.7	1852.0	1860.0
25°	1853.3	1861.3	1872.0	1884.0	1889.3	1902.7	1906.7	1913.3	1926.7	1932.0	1944.0
27.5°	1948.0	1958.7	1966.7	1978.7	1985.3	1994.7	2004.0	2012.0	2024.0	2032.0	2045.3
30°	2066.7	2074.7	2088.0	2097.3	2108.0	2121.3	2132.0	2140.0	2146.7	2158.7	2173.3
32.5°	2241.3	2242.7	2246.7	2269.3	2280.0	2290.7	2305.3	2312.0	2322.7	2334.7	2350.7
35°	2458.7	2470.7	2480.0	2490.7	2502.7	2514.7	2520.0	2540.0	2549.3	2565.3	2581.3
37.5°	2674.7	2676.0	2697.3	2704.0	2714.7	2726.7	2745.3	2765.3	2789.3	2805.3	2830.7
40°	2906.7	2917.3	2944.0	2957.3	2970.7	3000.0	3014.7	3046.7	3086.7	3109.3	3152.0
42.5°	3242.7	3258.7	3306.7	3328.0	3360.0	3408.0	3438.7	3482.7	3498.7	3553.3	3573.3
45°	3682.7	3732.0	3801.3	3846.7	3904.0	3956.0	3982.7	4002.7	4026.7	4069.3	4064.0
47.5°	4158.7	4222.7	4300.0	4393.3	4430.7	4492.0	4526.7	4565.3	4544.0	4533.3	4522.7
50°	4646.7	4721.3	4824.0	4908.0	4965.3	5002.7	5032.0	5026.7	4981.3	4957.3	4890.7
52.5°	5189.3	5233.3	5330.7	5402.7	5437.3	5445.3	5438.7	5398.7	5356.0	5280.0	5201.3
55°	6021.3	6001.3	6040.0	6073.3	6062.7	6100.0	6004.0	5966.7	5861.3	5762.7	5657.3
57.5°	7712.0	7738.7	7522.7	7425.3	7408.0	7442.7	7273.3	7252.0	6997.3	6965.3	6788.0
60°	10184.0	10314.7	10145.3	10050.7	9794.7	9710.7	9521.3	9442.7	9198.7	9001.3	8752.0
62.5°	12042.7	12161.3	12232.0	12097.3	11948.0	11728.0	11441.3	11124.0	10865.3	10562.7	10298.7
65°	12210.7	12450.7	12613.3	12676.0	12570.7	12329.3	11976.0	11576.0	11180.0	10800.0	10466.7
67.5°	11425.3	11640.0	11892.0	12117.3	12130.7	11973.3	11672.0	11265.3	10808.0	10338.7	9948.0
70°	10076.0	10345.3	10565.3	10802.7	10968.0	10877.3	10726.7	10353.3	9878.7	9513.3	9064.0
72.5°	8194.7	8308.0	8361.3	8594.7	8597.3	8432.0	8325.3	8118.7	7736.0	7477.3	7134.7
75°	4785.3	4536.0	4270.7	4040.0	3852.0	3773.3	3424.0	3365.3	3130.7	2985.3	2772.0
77.5°	1973.3	1750.7	1464.0	1225.3	989.3	882.7	728.0	660.0	572.0	533.3	508.0
80°	1692.0	1481.3	1265.3	1058.7	874.7	690.7	537.3	417.3	328.0	278.7	258.7
82.5°	1381.3	1254.7	1104.0	992.0	848.0	710.7	600.0	465.3	348.0	256.0	196.0
85°	498.7	409.3	329.3	302.7	241.3	198.7	166.7	142.7	117.3	93.3	82.7
87.5°	56.0	53.3	30.7	29.3	33.3	24.0	28.0	25.3	21.3	18.7	20.0
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0	1272.0
2.5°	1276.0	1276.0	1277.3	1277.3	1278.7	1280.0	1282.7	1281.3	1281.3	1282.7	1282.7
5°	1312.0	1316.0	1314.7	1314.7	1314.7	1316.0	1317.3	1312.0	1306.7	1301.3	1298.7
7.5°	1374.7	1377.3	1380.0	1377.3	1380.0	1378.7	1376.0	1361.3	1344.0	1322.7	1308.0
10°	1456.0	1456.0	1458.7	1457.3	1462.7	1458.7	1450.7	1417.3	1380.0	1334.7	1301.3
12.5°	1544.0	1553.3	1549.3	1550.7	1561.3	1550.7	1532.0	1482.7	1416.0	1342.7	1284.0
15°	1648.0	1652.0	1654.7	1650.7	1657.3	1648.0	1614.7	1536.0	1438.7	1336.0	1249.3
17.5°	1733.3	1734.7	1736.0	1738.7	1748.0	1737.3	1680.0	1573.3	1444.0	1305.3	1190.7
20°	1800.0	1806.7	1812.0	1812.0	1825.3	1809.3	1733.3	1592.0	1426.7	1254.7	1116.0
22.5°	1869.3	1874.7	1881.3	1882.7	1900.0	1884.0	1777.3	1588.0	1381.3	1182.7	1029.3
25°	1954.7	1960.0	1965.3	1972.0	1996.0	1973.3	1821.3	1572.0	1318.7	1097.3	936.0
27.5°	2053.3	2065.3	2069.3	2080.0	2108.0	2073.3	1858.7	1548.0	1249.3	998.7	837.3
30°	2185.3	2200.0	2205.3	2220.0	2258.7	2182.7	1880.0	1506.7	1161.3	898.7	732.0
32.5°	2362.7	2382.7	2398.7	2414.7	2458.7	2292.0	1882.7	1446.7	1058.7	786.7	630.7
35°	2594.7	2625.3	2637.3	2648.0	2689.3	2410.7	1870.7	1357.3	933.3	672.0	550.7
37.5°	2854.7	2885.3	2893.3	2898.7	2906.7	2512.0	1841.3	1221.3	792.0	572.0	486.7
40°	3174.7	3201.3	3212.0	3204.0	3161.3	2590.7	1776.0	1062.7	654.7	504.0	446.7
42.5°	3565.3	3605.3	3609.3	3573.3	3432.0	2634.7	1645.3	876.0	546.7	454.7	416.0
45°	4049.3	4046.7	4024.0	3998.7	3726.7	2617.3	1462.7	713.3	478.7	416.0	388.0
47.5°	4484.0	4438.7	4404.0	4329.3	3986.7	2516.0	1226.7	590.7	437.3	386.7	364.0
50°	4840.0	4757.3	4684.0	4602.7	4180.0	2336.0	992.0	501.3	398.7	361.3	341.3
52.5°	5121.3	5021.3	4936.0	4856.0	4366.7	2136.0	813.3	436.0	361.3	336.0	316.0
55°	5561.3	5461.3	5325.3	5237.3	4652.0	1952.0	697.3	384.0	325.3	309.3	289.3
57.5°	6674.7	6586.7	6424.0	6196.0	5385.3	1882.7	632.0	344.0	296.0	286.7	270.7
60°	8618.7	8476.0	8264.0	8032.0	6876.0	1929.3	580.0	316.0	276.0	268.0	256.0
62.5°	10085.3	9834.7	9594.7	9380.0	8068.0	1928.0	512.0	294.7	261.3	257.3	245.3
65°	10145.3	9890.7	9649.3	9424.0	8094.7	1716.0	432.0	276.0	258.7	257.3	237.3
67.5°	9606.7	9330.7	9097.3	8813.3	7493.3	1341.3	346.7	264.0	269.3	266.7	234.7
70°	8726.7	8366.7	8174.7	7894.7	6594.7	938.7	285.3	268.0	292.0	284.0	238.7
72.5°	6849.3	6577.3	6285.3	6090.7	5162.7	593.3	240.0	270.7	301.3	288.0	249.3
75°	2549.3	2622.7	2502.7	2460.0	2622.7	348.0	213.3	252.0	269.3	249.3	226.7
77.5°	514.7	492.0	466.7	461.3	596.0	214.7	196.0	218.7	206.7	182.7	184.0
80°	246.7	240.0	232.0	230.7	221.3	178.7	181.3	186.7	156.0	141.3	150.7
82.5°	164.0	154.7	152.0	146.7	149.3	160.0	172.0	160.0	120.0	112.0	136.0
85°	76.0	73.3	72.0	72.0	80.0	144.0	142.7	117.3	82.7	80.0	136.0
87.5°	18.7	18.7	20.0	18.7	21.3	42.7	37.3	36.0	30.7	34.7	64.0
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: P149950

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CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1272.0	1272.0	1272.0
2.5°	1281.3	1282.7	1281.3
5°	1293.3	1293.3	1293.3
7.5°	1293.3	1289.3	1288.0
10°	1274.7	1262.7	1262.7
12.5°	1242.7	1222.7	1220.0
15°	1182.7	1156.0	1152.0
17.5°	1106.7	1070.7	1064.0
20°	1021.3	976.0	968.0
22.5°	928.0	876.0	872.0
25°	836.0	782.7	772.0
27.5°	733.3	681.3	676.0
30°	630.7	585.3	582.7
32.5°	544.0	516.0	510.7
35°	482.7	466.7	460.0
37.5°	442.7	430.7	429.3
40°	412.0	401.3	400.0
42.5°	386.7	377.3	376.0
45°	361.3	353.3	350.7
47.5°	336.0	328.0	326.7
50°	313.3	302.7	301.3
52.5°	292.0	281.3	278.7
55°	272.0	261.3	261.3
57.5°	254.7	244.0	242.7
60°	238.7	228.0	226.7
62.5°	226.7	213.3	212.0
65°	217.3	204.0	201.3
67.5°	212.0	196.0	192.0
70°	221.3	192.0	185.3
72.5°	222.7	188.0	178.7
75°	214.7	177.3	170.7
77.5°	188.0	158.7	152.0
80°	162.7	122.7	113.3
82.5°	154.7	100.0	86.7
85°	120.0	65.3	61.3
87.5°	68.0	36.0	29.3
90°	0.0	0.0	0.0

(END OF REPORT)