

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: P151089

Luminaire Tested: **VWM-E04-LED-E1-SL3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151089
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)
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-SL3-7030
Description: VISION WALL MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (84) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11092.3 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-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

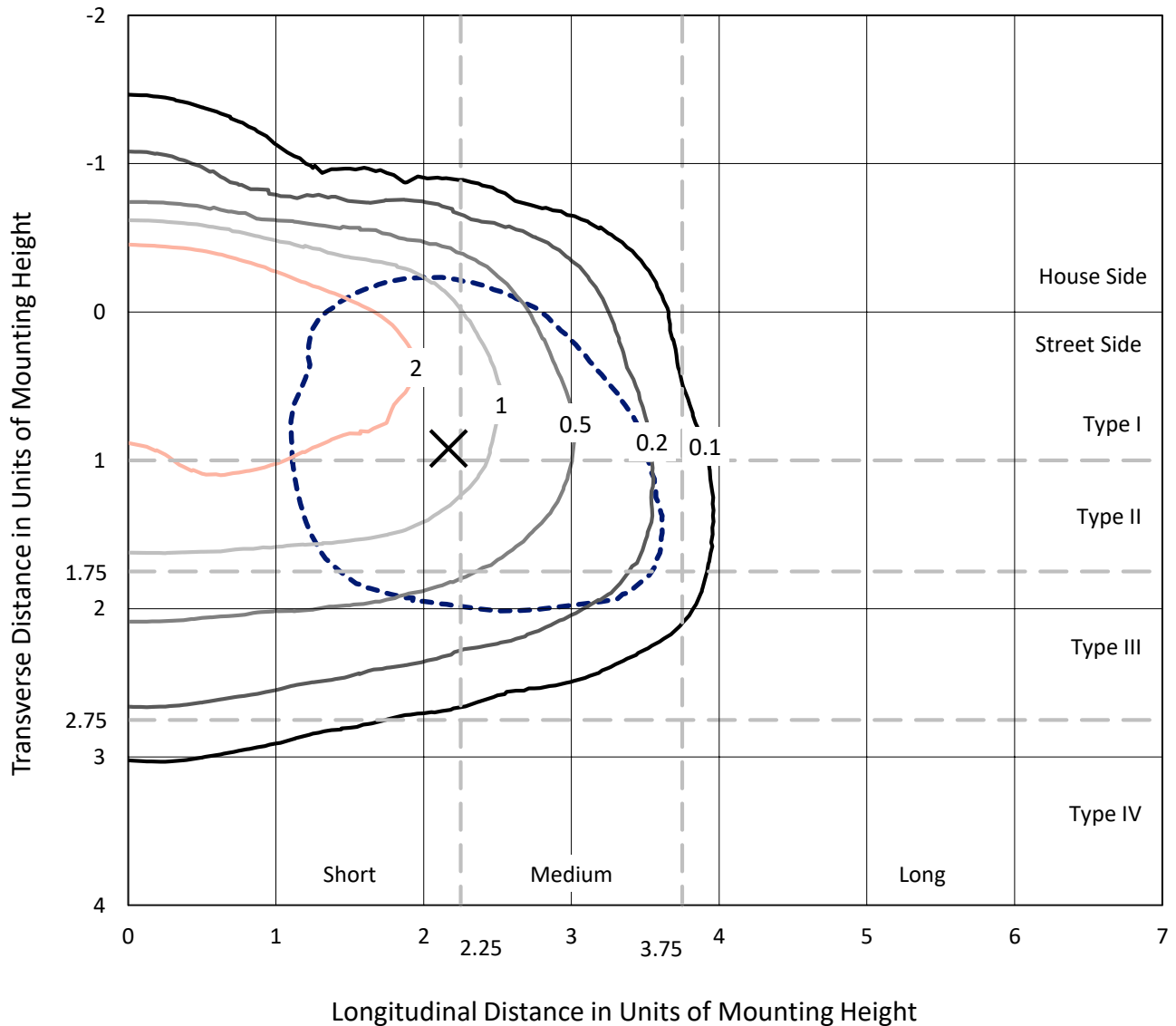


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Iso-Footcandle Lines of Horizontal Illumination

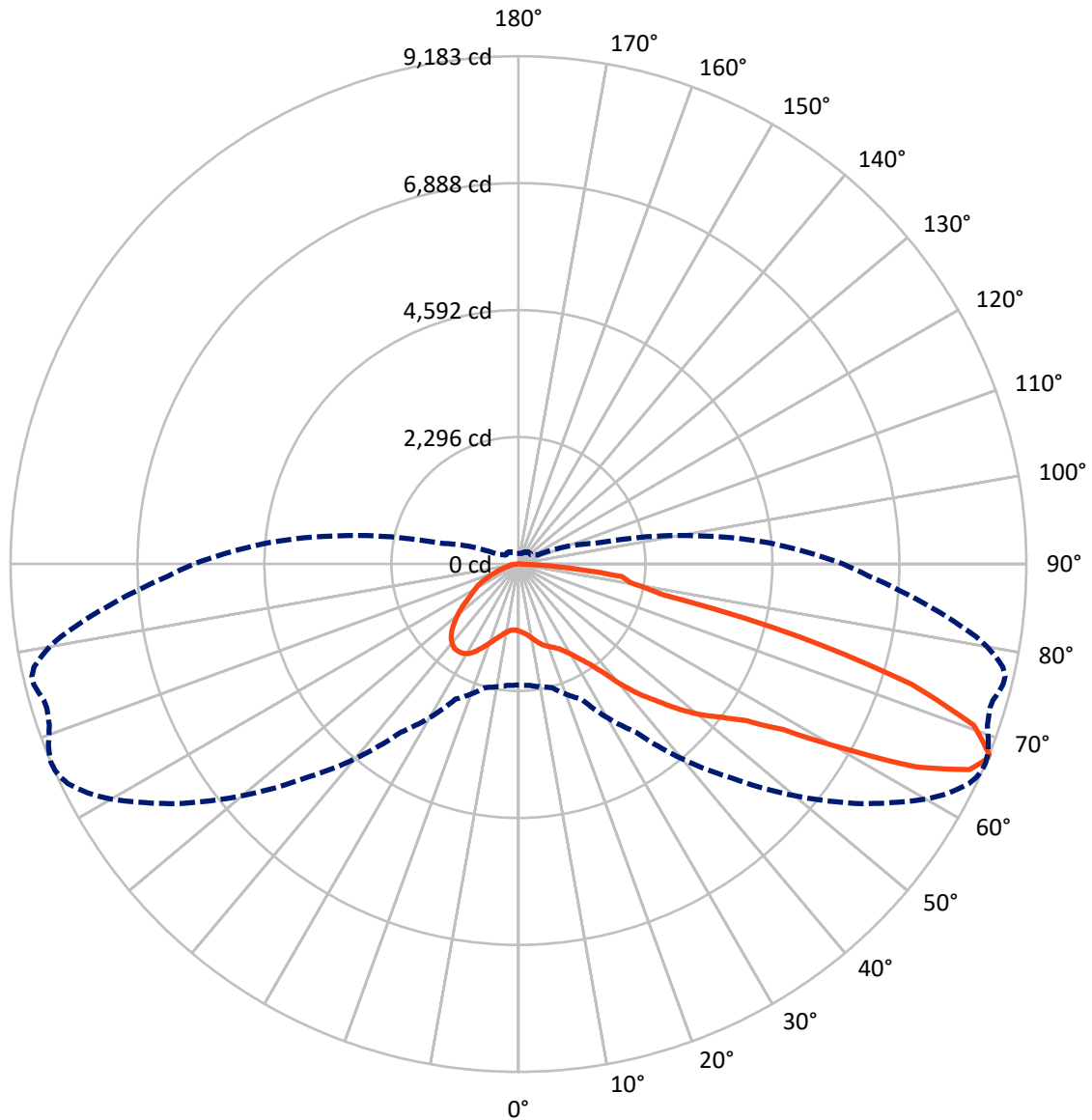
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2559.7	0.0	2559.7
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	8532.6	0.0	8532.6
	% Fixture	76.9	0.0	76.9
Total	Lumens	11092.3	0.0	11092.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	1.1
10°-20°	413.7	3.7
20°-30°	730.4	6.6
30°-40°	1048.4	9.5
40°-50°	1592.3	14.4
50°-60°	2344.5	21.1
60°-70°	3115.7	28.1
70°-80°	1524.3	13.7
80°-90°	202.4	1.8
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°	11092.3	100.0
0°-180°	11092.3	100.0



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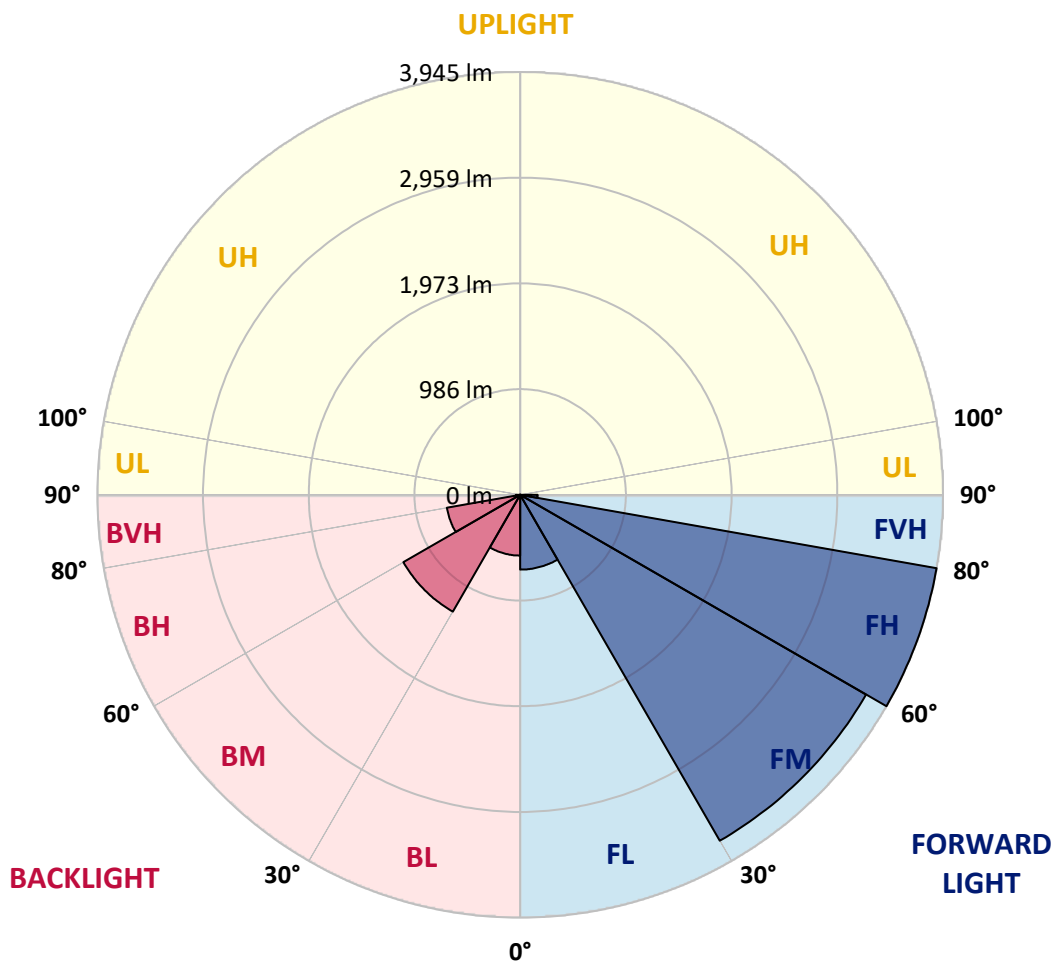
CATALOG NUMBER: VWM-E04-LED-E1-SL3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	697.8	6.3			
FM	(30°-60°)	3726.8	33.6			
FH	(60°-80°)	3945.4	35.6			G2/5000
FVH	(80°-90°)	162.6	1.5			G2/225
BL	(0°-30°)	566.9	5.1	B2/1000		
BM	(30°-60°)	1258.5	11.3	B2/2500		
BH	(60°-80°)	694.5	6.3	B2/1000		G2/1000
BVH	(80°-90°)	39.8	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7
2.5°	1268.9	1270.2	1267.7	1266.5	1259.2	1251.9	1247.0	1240.9	1240.9	1240.9	1238.5
5°	1340.8	1335.9	1339.6	1331.1	1316.4	1303.0	1289.7	1278.7	1276.3	1276.3	1271.4
7.5°	1427.3	1421.2	1418.7	1406.6	1384.6	1365.2	1338.4	1327.4	1321.3	1318.9	1316.4
10°	1532.0	1532.0	1516.2	1495.5	1466.2	1432.1	1402.9	1383.4	1382.2	1382.2	1371.2
12.5°	1639.2	1641.6	1620.9	1600.2	1552.7	1507.6	1473.5	1451.6	1450.4	1445.5	1439.4
15°	1737.8	1731.7	1718.3	1687.9	1635.5	1581.9	1539.3	1517.4	1512.5	1507.6	1504.0
17.5°	1819.4	1813.3	1796.3	1757.3	1702.5	1639.2	1586.8	1563.7	1561.2	1558.8	1553.9
20°	1870.5	1865.7	1841.3	1796.3	1739.0	1674.5	1618.5	1602.6	1597.8	1597.8	1595.3
22.5°	1899.8	1892.5	1857.1	1797.5	1741.5	1694.0	1647.7	1637.9	1634.3	1635.5	1635.5
25°	1914.4	1908.3	1858.4	1773.1	1719.5	1706.1	1686.7	1680.6	1681.8	1683.0	1685.4
27.5°	1916.8	1908.3	1849.8	1741.5	1691.5	1729.3	1742.7	1752.4	1752.4	1757.3	1765.8
30°	1898.6	1888.8	1832.8	1717.1	1679.3	1775.6	1829.1	1854.7	1864.5	1862.0	1881.5
32.5°	1866.9	1860.8	1815.7	1717.1	1713.4	1866.9	1961.9	1998.4	2003.3	2005.7	2027.6
35°	1855.9	1854.7	1835.2	1775.6	1819.4	2027.6	2172.6	2200.6	2206.7	2206.7	2222.5
37.5°	1853.5	1859.6	1881.5	1885.2	2005.7	2266.3	2456.3	2498.9	2498.9	2511.1	2511.1
40°	1853.5	1866.9	1949.7	2048.3	2233.4	2576.9	2839.9	2888.6	2888.6	2902.0	2894.7
42.5°	1925.3	1944.8	2081.2	2268.8	2520.8	2897.1	3199.2	3254.0	3257.6	3254.0	3264.9
45°	2066.6	2083.7	2249.3	2518.4	2816.8	3240.6	3542.6	3608.3	3594.9	3603.5	3607.1
47.5°	2254.1	2280.9	2469.7	2791.2	3105.4	3558.4	3927.4	3987.1	3982.2	3985.9	3970.0
50°	2453.9	2481.9	2692.6	3061.6	3392.8	3814.2	4236.7	4325.6	4317.1	4323.2	4331.7
52.5°	2630.4	2647.5	2850.9	3264.9	3610.8	4052.8	4474.2	4585.0	4604.5	4606.9	4613.0
55°	2735.2	2755.9	2942.2	3366.0	3769.1	4286.7	4745.8	4913.8	4951.6	4961.3	4988.1
57.5°	2771.7	2793.6	2962.9	3380.6	3855.6	4505.9	5124.5	5420.4	5452.1	5504.5	5589.7
60°	2770.5	2793.6	2941.0	3347.7	3943.2	4777.4	5713.9	6209.6	6370.3	6423.9	6545.7
62.5°	2657.2	2684.0	2833.8	3247.9	4055.3	5124.5	6590.7	7353.1	7560.1	7657.5	7789.1
65°	2408.8	2428.3	2568.3	2994.6	4023.6	5466.7	7323.9	8275.0	8463.7	8606.2	8841.2
67°	2188.4	2200.6	2310.2	2695.0	3714.3	5478.9	7555.2	8503.9	8668.3	8819.3	9061.7
67.5°	2132.4	2157.9	2243.2	2603.7	3598.6	5409.5	7539.4	8468.6	8636.6	8793.7	9049.5
70°	1735.4	1771.9	1814.5	2056.9	2829.0	4550.9	6980.4	7857.2	8004.6	8150.7	8507.6
72.5°	1070.4	1136.2	1144.7	1298.2	1841.3	3145.6	5648.2	6626.1	6736.9	6841.6	7206.9
75°	630.8	640.6	671.0	795.2	1080.2	1880.3	3789.8	4922.3	5024.6	5075.8	5362.0
77.5°	351.9	361.7	387.3	494.4	830.5	1266.5	2206.7	2892.3	2954.4	3018.9	2972.7
80°	146.1	159.5	171.7	199.7	388.5	999.8	1517.4	1838.9	1879.1	1916.8	1964.3
82.5°	70.6	75.5	92.6	105.9	141.3	410.4	1189.8	1594.1	1641.6	1696.4	1807.2
85°	32.9	36.5	51.1	60.9	68.2	103.5	398.2	775.7	841.5	853.7	875.6
87.5°	2.4	2.4	6.1	8.5	12.2	13.4	41.4	58.5	65.8	59.7	75.5
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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CATALOG NUMBER: VWM-E04-LED-E1-SL3-7030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7
2.5°	1237.3	1236.1	1233.6	1233.6	1232.4	1232.4	1232.4	1230.0	1230.0	1230.0	1228.8
5°	1270.2	1268.9	1265.3	1265.3	1262.9	1262.9	1259.2	1258.0	1255.6	1255.6	1254.3
7.5°	1312.8	1311.6	1306.7	1306.7	1303.0	1301.8	1299.4	1295.7	1295.7	1293.3	1290.9
10°	1371.2	1367.6	1366.4	1360.3	1361.5	1359.1	1356.6	1353.0	1350.5	1348.1	1345.7
12.5°	1437.0	1437.0	1430.9	1427.3	1429.7	1427.3	1422.4	1421.2	1417.5	1417.5	1413.9
15°	1499.1	1499.1	1496.7	1491.8	1493.0	1489.4	1488.2	1485.7	1480.8	1482.1	1480.8
17.5°	1552.7	1552.7	1549.0	1546.6	1546.6	1543.0	1544.2	1541.7	1539.3	1538.1	1534.4
20°	1595.3	1595.3	1592.9	1590.4	1591.7	1591.7	1588.0	1588.0	1588.0	1585.6	1585.6
22.5°	1636.7	1637.9	1637.9	1637.9	1639.2	1640.4	1639.2	1641.6	1640.4	1642.8	1642.8
25°	1691.5	1695.2	1697.6	1697.6	1703.7	1704.9	1706.1	1709.8	1709.8	1713.4	1714.7
27.5°	1773.1	1775.6	1785.3	1787.7	1788.9	1798.7	1799.9	1804.8	1809.7	1810.9	1812.1
30°	1885.2	1891.2	1898.6	1903.4	1903.4	1915.6	1920.5	1918.0	1931.4	1935.1	1940.0
32.5°	2034.9	2039.8	2047.1	2052.0	2056.9	2063.0	2064.2	2070.3	2081.2	2091.0	2084.9
35°	2223.7	2235.9	2223.7	2237.1	2240.8	2249.3	2246.8	2254.1	2259.0	2262.7	2261.5
37.5°	2497.7	2491.6	2489.2	2484.3	2475.8	2505.0	2490.4	2489.2	2481.9	2502.6	2489.2
40°	2858.2	2861.8	2865.5	2846.0	2835.0	2835.0	2831.4	2818.0	2811.9	2830.2	2827.7
42.5°	3234.5	3238.1	3221.1	3208.9	3180.9	3177.2	3160.2	3156.5	3150.4	3160.2	3150.4
45°	3576.7	3579.1	3541.4	3547.5	3525.5	3529.2	3502.4	3513.4	3498.7	3508.5	3526.8
47.5°	3959.1	3963.9	3931.1	3944.5	3922.5	3909.1	3907.9	3915.2	3899.4	3909.1	3914.0
50°	4306.1	4300.1	4283.0	4286.7	4276.9	4279.4	4264.7	4278.1	4259.9	4279.4	4276.9
52.5°	4614.2	4606.9	4603.3	4615.5	4606.9	4606.9	4598.4	4604.5	4606.9	4636.2	4642.3
55°	4988.1	4994.2	5000.3	5022.2	5032.0	5016.1	5032.0	5062.4	5063.6	5133.0	5170.8
57.5°	5588.5	5631.1	5653.0	5666.4	5723.7	5717.6	5754.1	5827.2	5834.5	5995.2	6089.0
60°	6635.8	6711.3	6783.1	6744.2	6859.9	6895.2	6917.1	7053.5	7096.1	7248.3	7329.9
62.5°	7958.3	7966.9	8078.9	8043.6	8109.3	8093.5	8120.3	8182.4	8238.4	8363.9	8440.6
65°	8881.4	8921.6	8965.4	8920.4	8919.2	8865.6	8831.5	8830.3	8864.4	8891.2	8976.4
67°	9132.3	9172.5	9183.4	9150.6	9103.1	9034.9	8971.5	8938.7	8916.7	8928.9	8982.5
67.5°	9129.8	9167.6	9181.0	9149.3	9083.6	9026.3	8959.4	8921.6	8892.4	8898.5	8943.5
70°	8611.1	8692.7	8736.5	8746.2	8737.7	8637.9	8580.6	8546.5	8522.2	8462.5	8458.8
72.5°	7295.8	7394.5	7428.6	7483.4	7507.7	7360.4	7298.3	7336.0	7250.8	7062.0	7070.5
75°	5357.1	5364.4	5249.9	5228.0	5146.4	4812.7	4712.9	4621.6	4475.4	4247.7	4033.4
77.5°	2792.4	2791.2	2659.7	2592.7	2495.3	2294.3	2284.6	2121.4	2006.9	1798.7	1723.2
80°	1983.8	2015.5	2059.3	2081.2	2047.1	1969.2	1862.0	1746.3	1613.6	1483.3	1327.4
82.5°	1845.0	1864.5	1887.6	1802.3	1754.9	1645.2	1563.7	1395.6	1301.8	1153.3	996.2
85°	897.5	957.2	910.9	857.3	839.1	656.4	634.5	529.7	481.0	395.8	369.0
87.5°	57.2	70.6	63.3	57.2	49.9	28.0	37.8	26.8	28.0	20.7	18.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7
2.5°	1228.8	1227.5	1226.3	1225.1	1223.9	1223.9	1222.7	1221.5	1220.2	1217.8	1217.8
5°	1251.9	1251.9	1250.7	1248.2	1248.2	1245.8	1242.2	1240.9	1240.9	1238.5	1236.1
7.5°	1289.7	1288.4	1286.0	1284.8	1282.3	1279.9	1277.5	1275.0	1273.8	1270.2	1268.9
10°	1346.9	1344.5	1338.4	1335.9	1334.7	1332.3	1329.8	1327.4	1323.7	1321.3	1320.1
12.5°	1411.4	1410.2	1405.3	1407.8	1401.7	1399.3	1396.8	1390.7	1393.2	1388.3	1385.9
15°	1476.0	1477.2	1474.8	1474.8	1469.9	1466.2	1463.8	1458.9	1457.7	1455.3	1452.8
17.5°	1533.2	1535.6	1532.0	1529.6	1527.1	1524.7	1519.8	1514.9	1514.9	1510.1	1507.6
20°	1585.6	1588.0	1586.8	1584.4	1580.7	1579.5	1577.1	1573.4	1573.4	1571.0	1567.3
22.5°	1645.2	1646.5	1646.5	1645.2	1641.6	1642.8	1640.4	1636.7	1637.9	1633.1	1633.1
25°	1717.1	1719.5	1722.0	1723.2	1720.8	1722.0	1719.5	1717.1	1715.9	1717.1	1715.9
27.5°	1815.7	1818.2	1825.5	1819.4	1825.5	1826.7	1823.0	1818.2	1821.8	1827.9	1824.3
30°	1946.0	1943.6	1953.4	1954.6	1953.4	1954.6	1952.1	1948.5	1950.9	1961.9	1955.8
32.5°	2092.2	2097.1	2099.5	2101.9	2105.6	2110.4	2106.8	2103.1	2109.2	2105.6	2114.1
35°	2268.8	2279.7	2283.4	2279.7	2282.2	2290.7	2289.5	2290.7	2302.9	2290.7	2306.5
37.5°	2491.6	2502.6	2511.1	2506.2	2512.3	2512.3	2522.1	2548.9	2531.8	2553.7	2570.8
40°	2815.6	2832.6	2833.8	2832.6	2838.7	2846.0	2855.7	2885.0	2865.5	2888.6	2904.5
42.5°	3149.2	3169.9	3177.2	3165.1	3178.5	3194.3	3195.5	3221.1	3222.3	3226.0	3234.5
45°	3525.5	3543.8	3558.4	3552.3	3553.5	3574.2	3569.4	3593.7	3575.5	3575.5	3580.3
47.5°	3926.2	3943.2	3953.0	3962.7	3950.5	3968.8	3977.3	3972.5	3950.5	3945.7	3916.4
50°	4291.5	4306.1	4320.8	4347.5	4346.3	4354.9	4360.9	4339.0	4334.2	4307.4	4274.5
52.5°	4678.8	4716.5	4749.4	4805.4	4814.0	4843.2	4832.2	4795.7	4789.6	4745.8	4701.9
55°	5218.3	5326.7	5374.2	5460.6	5519.1	5517.9	5493.5	5487.4	5441.1	5353.5	5301.1
57.5°	6157.2	6326.5	6408.1	6520.1	6538.4	6527.4	6495.7	6439.7	6359.4	6212.0	6117.0
60°	7512.6	7617.3	7712.3	7739.1	7752.5	7731.8	7621.0	7496.8	7339.7	7136.3	6967.0
62.5°	8536.8	8643.9	8714.6	8703.6	8619.6	8513.6	8351.7	8143.4	7923.0	7695.3	7442.0
65°	9058.0	9103.1	9092.1	9006.9	8863.2	8678.0	8441.8	8184.8	7925.4	7656.3	7393.3
67°	9030.0	9031.2	8956.9	8791.3	8607.4	8374.8	8086.2	7806.1	7501.7	7219.1	6906.1
67.5°	8980.1	8975.2	8871.7	8690.2	8491.7	8251.8	7952.2	7662.4	7347.0	7062.0	6738.1
70°	8415.0	8346.8	8113.0	7823.2	7546.7	7222.8	6908.6	6576.1	6220.5	5975.7	5603.1
72.5°	6914.7	6684.5	6281.4	5978.2	5682.3	5258.5	5062.4	4649.6	4399.9	4244.0	3962.7
75°	4004.1	3811.7	3500.0	3216.2	3072.5	2821.6	2702.3	2399.1	2335.7	2333.3	2235.9
77.5°	1528.3	1333.5	1132.6	912.1	775.7	616.2	543.1	485.9	442.1	472.5	428.7
80°	1146.0	942.6	736.8	535.8	382.4	282.5	242.3	224.1	213.1	204.6	198.5
82.5°	853.7	673.4	522.4	341.0	238.7	180.2	155.9	146.1	141.3	132.7	125.4
85°	288.6	231.4	182.7	126.7	99.9	81.6	75.5	73.1	69.4	63.3	59.7
87.5°	15.8	14.6	15.8	12.2	14.6	12.2	13.4	13.4	13.4	12.2	12.2
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°	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7
2.5°	1216.6	1216.6	1216.6	1214.1	1210.5	1203.2	1195.9	1189.8	1183.7	1180.0	1177.6
5°	1234.8	1232.4	1231.2	1230.0	1221.5	1206.8	1193.4	1181.3	1169.1	1159.3	1155.7
7.5°	1267.7	1262.9	1261.6	1258.0	1247.0	1225.1	1205.6	1186.1	1169.1	1155.7	1149.6
10°	1317.7	1317.7	1310.4	1305.5	1293.3	1264.1	1236.1	1210.5	1187.4	1172.7	1169.1
12.5°	1381.0	1381.0	1374.9	1371.2	1356.6	1318.9	1284.8	1254.3	1232.4	1217.8	1216.6
15°	1446.7	1445.5	1440.7	1435.8	1420.0	1379.8	1345.7	1318.9	1300.6	1283.6	1278.7
17.5°	1505.2	1505.2	1499.1	1494.2	1478.4	1444.3	1413.9	1394.4	1373.7	1338.4	1311.6
20°	1563.7	1564.9	1560.0	1555.1	1541.7	1512.5	1499.1	1479.6	1433.4	1356.6	1293.3
22.5°	1628.2	1633.1	1627.0	1622.1	1611.2	1599.0	1594.1	1547.8	1450.4	1327.4	1234.8
25°	1711.0	1719.5	1712.2	1709.8	1703.7	1707.4	1692.7	1585.6	1426.0	1264.1	1148.4
27.5°	1824.3	1824.3	1825.5	1825.5	1823.0	1836.4	1782.9	1586.8	1372.5	1182.5	1044.9
30°	1957.0	1964.3	1961.9	1961.9	1971.6	1980.1	1832.8	1560.0	1304.3	1081.4	918.2
32.5°	2116.5	2122.6	2125.1	2114.1	2153.1	2109.2	1851.1	1511.3	1220.2	956.0	767.2
35°	2308.9	2317.5	2323.6	2324.8	2350.4	2221.3	1841.3	1439.4	1099.7	798.9	601.6
37.5°	2559.8	2576.9	2590.3	2596.4	2597.6	2316.3	1814.5	1344.5	942.6	623.5	448.2
40°	2893.5	2911.8	2908.1	2920.3	2850.9	2372.3	1753.6	1206.8	747.7	457.9	345.9
42.5°	3215.0	3217.4	3222.3	3211.3	3070.1	2401.5	1668.4	1038.8	560.2	342.2	295.9
45°	3574.2	3553.5	3530.4	3513.4	3272.2	2412.5	1551.5	834.2	395.8	287.4	274.0
47.5°	3911.6	3883.6	3836.1	3787.4	3452.5	2395.4	1401.7	624.7	300.8	263.0	259.4
50°	4242.8	4190.5	4123.5	4067.5	3625.4	2369.8	1236.1	450.6	263.0	250.9	247.2
52.5°	4653.2	4565.5	4477.9	4404.8	3850.7	2329.7	1061.9	342.2	247.2	241.1	236.3
55°	5215.8	5094.1	4952.8	4850.5	4156.4	2268.8	879.3	289.8	239.9	235.0	227.7
57.5°	5995.2	5812.6	5653.0	5486.2	4574.1	2206.7	722.2	269.1	238.7	231.4	221.6
60°	6791.7	6572.5	6369.1	6130.4	5000.3	2144.5	612.6	266.7	242.3	231.4	216.8
62.5°	7205.7	6979.2	6734.4	6492.1	5184.2	1998.4	537.0	270.4	250.9	235.0	216.8
65°	7110.7	6834.3	6585.9	6338.7	4971.1	1722.0	454.2	275.2	267.9	249.6	220.4
67°	6633.4	6344.7	6106.1	5869.8	4496.1	1441.9	389.7	280.1	286.2	266.7	227.7
67.5°	6465.3	6176.7	5941.6	5711.5	4356.1	1383.4	373.9	282.5	289.8	271.6	230.2
70°	5360.8	5148.9	4899.2	4721.4	3526.8	1024.2	306.9	287.4	311.8	299.6	241.1
72.5°	3858.0	3655.8	3468.3	3369.7	2597.6	716.1	258.2	282.5	325.2	315.4	246.0
75°	2050.8	2038.6	1970.4	2019.1	1607.5	467.6	227.7	264.3	310.5	288.6	228.9
77.5°	414.1	426.2	500.5	493.2	518.8	260.6	194.8	226.5	239.9	211.9	186.3
80°	192.4	188.8	185.1	187.5	183.9	166.8	158.3	177.8	166.8	136.4	124.2
82.5°	119.3	116.9	113.3	112.0	124.2	132.7	138.8	140.0	110.8	95.0	91.3
85°	57.2	57.2	56.0	58.5	73.1	108.4	116.9	103.5	74.3	68.2	64.5
87.5°	11.0	11.0	12.2	11.0	14.6	25.6	29.2	34.1	28.0	29.2	32.9
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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CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1211.7	1211.7	1211.7
2.5°	1175.2	1172.7	1172.7
5°	1150.8	1149.6	1149.6
7.5°	1144.7	1146.0	1144.7
10°	1167.9	1166.7	1171.5
12.5°	1219.0	1222.7	1221.5
15°	1272.6	1275.0	1275.0
17.5°	1288.4	1279.9	1278.7
20°	1247.0	1231.2	1227.5
22.5°	1169.1	1139.9	1141.1
25°	1070.4	1035.1	1037.6
27.5°	956.0	918.2	917.0
30°	818.4	777.0	756.3
32.5°	652.7	602.8	602.8
35°	490.8	450.6	436.0
37.5°	372.6	349.5	342.2
40°	310.5	299.6	297.1
42.5°	282.5	278.9	277.7
45°	267.9	265.5	264.3
47.5°	254.5	253.3	252.1
50°	244.8	243.6	242.3
52.5°	236.3	233.8	232.6
55°	224.1	224.1	224.1
57.5°	216.8	216.8	215.6
60°	209.5	208.2	208.2
62.5°	203.4	200.9	202.2
65°	199.7	196.1	196.1
67°	197.3	190.0	190.0
67.5°	197.3	187.5	187.5
70°	193.6	177.8	175.4
72.5°	190.0	166.8	163.2
75°	180.2	158.3	154.7
77.5°	154.7	141.3	138.8
80°	119.3	103.5	105.9
82.5°	86.5	74.3	73.1
85°	62.1	53.6	53.6
87.5°	32.9	28.0	29.2
90°	0.0	0.0	0.0

(END OF REPORT)