

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: P149831

Luminaire Tested: **VXM-E04-LED-E1-SL2-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P149831
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: VXM-E04-LED-E1-SL2-7050
Description: VISION SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (84) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12539.4 lumens
Efficiency: N/A
Efficacy: 129.0 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 (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



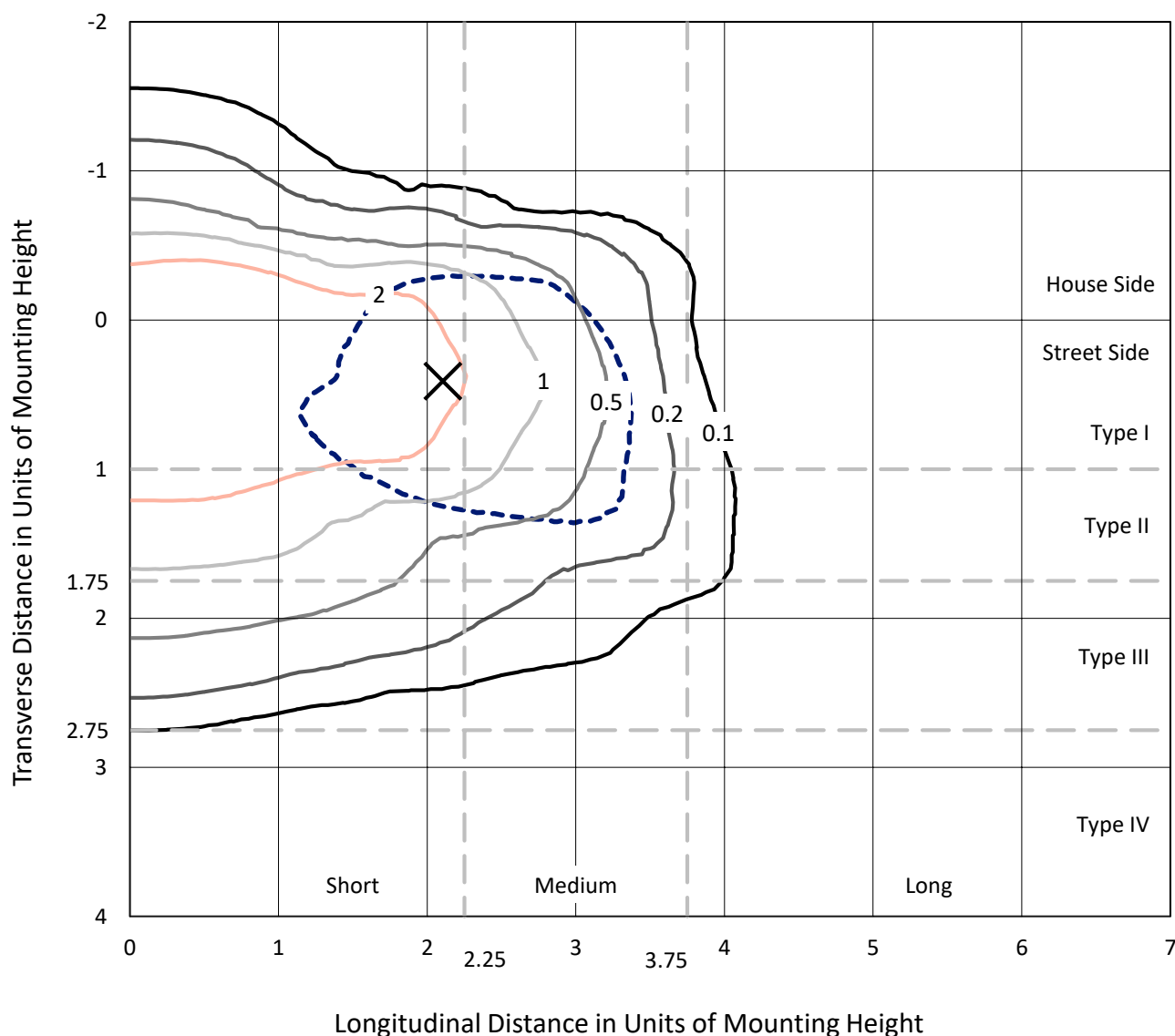
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

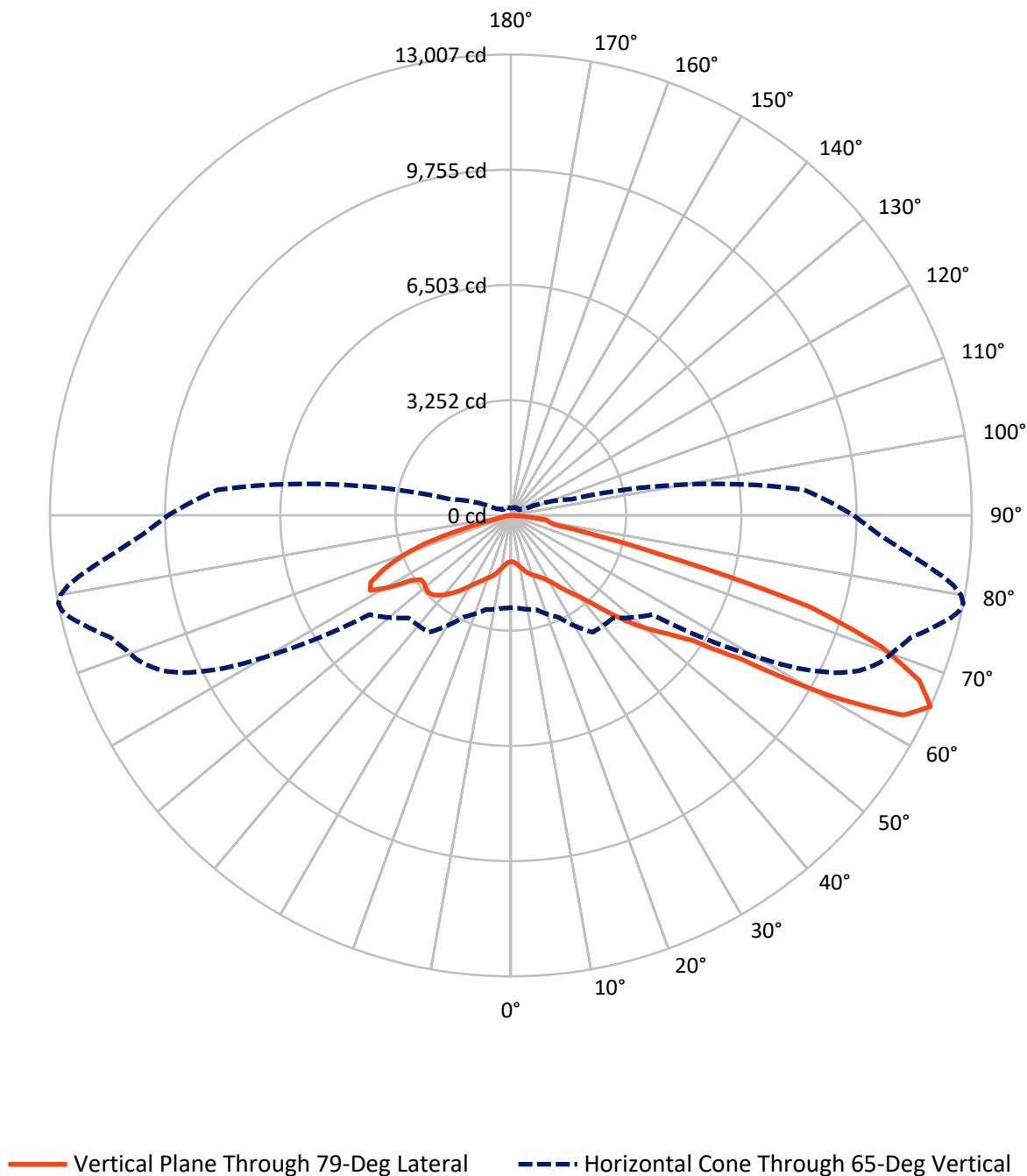


Based on 20 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2964.3	0.0	2964.3
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	9575.1	0.0	9575.1
	% Fixture	76.4	0.0	76.4
Total	Lumens	12539.4	0.0	12539.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.7	1.0
10°-20°	424.2	3.4
20°-30°	732.8	5.8
30°-40°	1213.0	9.7
40°-50°	2057.1	16.4
50°-60°	2733.2	21.8
60°-70°	3530.7	28.2
70°-80°	1480.8	11.8
80°-90°	237.9	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°	12539.4	100.0
0°-180°	12539.4	100.0

Coefficient of Utilization



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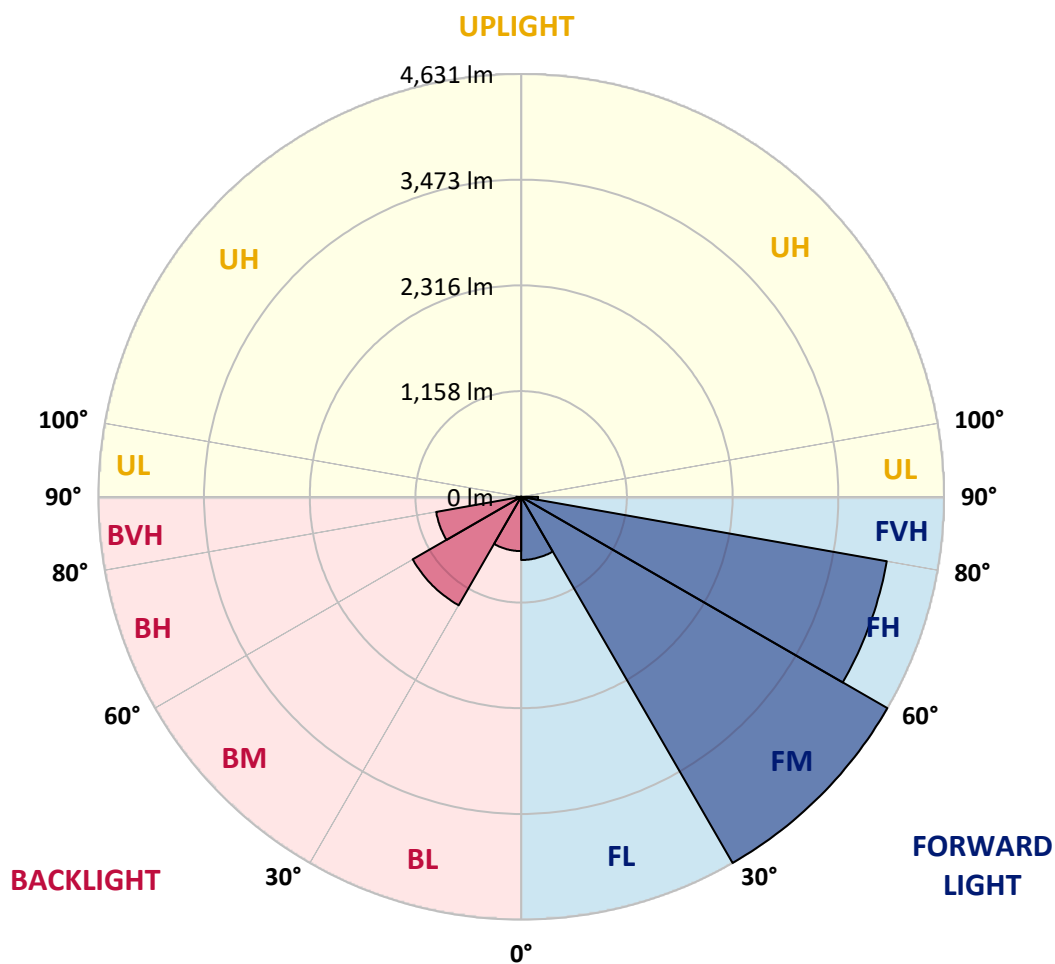
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	691.9	5.5			
FM	(30°-60°)	4631.2	36.9			
FH	(60°-80°)	4066.1	32.4			G2/5000
FVH	(80°-90°)	186.0	1.5			G2/225
BL	(0°-30°)	594.9	4.7	B2/1000		
BM	(30°-60°)	1372.2	10.9	B2/2500		
BH	(60°-80°)	945.4	7.5	B2/1000		G2/1000
BVH	(80°-90°)	51.9	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°	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2
2.5°	1301.1	1305.2	1302.5	1305.2	1307.9	1309.3	1312.0	1310.7	1310.7	1312.0	1309.3
5°	1301.1	1301.1	1305.2	1312.0	1314.8	1323.0	1332.6	1331.2	1332.6	1331.2	1333.9
7.5°	1328.5	1327.1	1331.2	1339.4	1342.1	1354.5	1370.9	1373.6	1376.3	1376.3	1380.5
10°	1376.3	1375.0	1379.1	1383.2	1387.3	1396.9	1420.1	1429.7	1431.1	1432.4	1437.9
12.5°	1436.5	1435.2	1429.7	1429.7	1428.3	1446.1	1477.6	1495.4	1498.1	1503.6	1507.7
15°	1479.0	1474.9	1466.6	1461.2	1468.0	1496.7	1543.3	1563.8	1566.5	1570.6	1581.6
17.5°	1520.0	1515.9	1498.1	1484.4	1494.0	1540.5	1603.5	1625.4	1630.8	1634.9	1647.2
20°	1577.5	1574.7	1548.7	1515.9	1513.2	1573.4	1650.0	1678.7	1682.8	1688.3	1700.6
22.5°	1665.0	1652.7	1622.6	1561.0	1530.9	1592.5	1682.8	1722.5	1728.0	1733.4	1749.9
25°	1774.5	1769.0	1717.0	1622.6	1559.7	1611.7	1718.4	1767.6	1775.8	1782.7	1804.6
27.5°	1888.0	1879.8	1823.7	1700.6	1610.3	1650.0	1774.5	1830.6	1841.5	1852.5	1873.0
30°	1989.3	1986.5	1940.0	1805.9	1692.4	1722.5	1864.8	1933.2	1945.5	1959.2	1978.3
32.5°	2227.3	2228.7	2180.8	2044.0	1890.8	1853.8	1994.7	2097.4	2102.8	2119.2	2153.5
35°	2682.9	2688.4	2670.6	2562.5	2390.1	2238.3	2252.0	2353.2	2358.7	2372.4	2405.2
37.5°	2988.0	2999.0	3053.7	3087.9	3000.3	2930.6	2756.8	2717.1	2721.2	2713.0	2706.2
40°	3156.3	3172.7	3316.4	3494.2	3590.0	3591.4	3516.1	3341.0	3274.0	3254.8	3172.7
42.5°	3252.1	3279.4	3483.3	3787.0	4062.0	4250.8	4297.3	4103.1	4053.8	3966.2	3808.9
45°	3315.0	3347.8	3588.6	4004.5	4409.5	4731.0	4973.2	4887.0	4854.2	4800.8	4655.8
47.5°	3304.1	3330.1	3580.4	4078.4	4591.5	5048.4	5478.0	5567.0	5527.3	5513.6	5415.1
50°	3104.3	3127.6	3382.0	3895.1	4491.6	5168.8	5798.2	6049.9	6049.9	6075.9	6045.8
52.5°	2890.9	2910.0	3141.3	3602.3	4168.7	5051.2	5976.0	6393.3	6448.0	6493.2	6564.3
55°	2810.2	2833.4	3008.5	3402.6	3893.7	4714.6	6036.2	6650.5	6751.8	6828.4	6989.8
57.5°	2848.5	2871.7	2996.2	3294.5	3732.3	4371.2	6039.0	6996.7	7192.3	7349.7	7676.6
60°	3014.0	3035.9	3139.9	3394.4	3689.9	4172.8	5922.7	7548.0	7860.0	8155.5	8700.0
62.5°	2937.4	2964.8	3116.6	3559.9	4005.9	4022.3	5502.7	7974.9	8477.0	8913.4	9779.5
65°	2602.2	2630.9	2750.0	3164.5	4025.1	4088.0	4880.2	7983.1	8607.0	9196.6	10131.1
67.5°	1975.6	1986.5	2080.9	2413.4	3219.2	4160.5	4239.9	7037.7	7631.5	8289.6	9254.1
70°	1009.7	1028.8	1056.2	1332.6	2072.7	3438.1	3643.4	5186.6	5943.2	6623.2	7782.0
72.5°	350.2	357.1	384.4	508.9	1009.7	2256.1	3189.1	3554.4	4011.4	4647.6	5989.7
75°	210.7	210.7	220.3	257.2	461.1	1175.2	2837.5	2903.2	2964.8	3178.2	4056.5
77.5°	166.9	169.6	169.6	176.5	255.8	603.4	2154.8	2699.3	2707.6	2728.1	2875.8
80°	119.0	124.5	135.4	140.9	165.5	331.1	1209.4	2369.6	2531.1	2609.0	2717.1
82.5°	88.9	94.4	114.9	121.8	128.6	184.7	543.2	1634.9	1929.1	2085.0	2465.4
85°	39.7	46.5	78.0	86.2	90.3	98.5	254.5	465.2	534.9	600.6	792.2
87.5°	6.8	6.8	12.3	17.8	26.0	24.6	56.1	79.4	80.7	94.4	105.3
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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CATALOG NUMBER: VXM-E04-LED-E1-SL2-7050

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2
2.5°	1309.3	1309.3	1309.3	1307.9	1309.3	1309.3	1309.3	1309.3	1310.7	1310.7	1310.7
5°	1338.0	1335.3	1336.7	1336.7	1336.7	1335.3	1338.0	1336.7	1338.0	1342.1	1340.8
7.5°	1380.5	1383.2	1384.6	1385.9	1385.9	1385.9	1387.3	1390.0	1390.0	1394.1	1392.8
10°	1443.4	1442.0	1443.4	1447.5	1451.6	1453.0	1457.1	1455.7	1458.4	1463.9	1469.4
12.5°	1510.4	1513.2	1517.3	1521.4	1528.2	1529.6	1533.7	1535.1	1543.3	1543.3	1548.7
15°	1585.7	1587.0	1595.3	1596.6	1604.8	1607.6	1614.4	1617.1	1626.7	1628.1	1633.6
17.5°	1654.1	1656.8	1660.9	1665.0	1674.6	1678.7	1684.2	1689.7	1697.9	1700.6	1710.2
20°	1708.8	1714.3	1715.6	1723.9	1732.1	1737.5	1743.0	1748.5	1756.7	1760.8	1770.4
22.5°	1758.1	1763.5	1767.6	1774.5	1780.0	1788.2	1790.9	1800.5	1808.7	1815.5	1823.7
25°	1811.4	1819.6	1823.7	1836.0	1840.1	1848.4	1855.2	1864.8	1875.7	1883.9	1894.9
27.5°	1886.7	1899.0	1904.5	1918.1	1927.7	1931.8	1942.8	1956.4	1966.0	1975.6	1986.5
30°	1990.6	2013.9	2018.0	2027.6	2045.4	2048.1	2061.8	2072.7	2087.8	2097.4	2106.9
32.5°	2152.1	2180.8	2183.6	2194.5	2209.5	2215.0	2226.0	2238.3	2261.5	2265.6	2280.7
35°	2399.7	2412.0	2423.0	2427.1	2439.4	2446.2	2454.4	2468.1	2491.4	2488.6	2505.1
37.5°	2696.6	2700.7	2702.1	2688.4	2691.1	2678.8	2693.9	2696.6	2704.8	2711.7	2728.1
40°	3120.7	3078.3	3072.8	3040.0	3007.2	2989.4	2982.5	2955.2	2962.0	2964.8	2978.4
42.5°	3740.5	3658.4	3590.0	3543.5	3462.8	3423.1	3369.7	3327.3	3294.5	3306.8	3312.3
45°	4525.8	4408.1	4298.7	4156.4	4051.1	3975.8	3881.4	3796.6	3758.3	3740.5	3762.4
47.5°	5309.8	5205.8	5077.2	4930.8	4763.9	4639.4	4482.0	4343.8	4248.1	4212.5	4231.7
50°	5987.0	5891.2	5794.1	5707.9	5513.6	5378.2	5163.4	4984.1	4833.6	4757.0	4736.5
52.5°	6549.3	6498.7	6446.7	6374.2	6218.2	6082.8	5911.7	5735.2	5535.5	5379.5	5326.2
55°	7051.4	7081.5	7055.5	7056.9	6995.3	6909.1	6764.1	6632.7	6493.2	6316.7	6242.8
57.5°	7783.4	7961.2	7996.8	8085.7	8129.5	8176.0	8217.1	8139.1	8103.5	7972.2	7973.5
60°	8936.7	9196.6	9422.4	9627.6	9795.9	9960.1	10132.4	10209.1	10293.9	10333.6	10469.0
62.5°	10163.9	10411.5	10748.1	11023.1	11177.7	11391.1	11578.6	11700.3	11849.5	12008.2	12214.8
65°	10467.6	10765.9	10978.0	11161.3	11314.5	11428.1	11530.7	11675.7	11800.2	12052.0	12295.5
67.5°	9689.2	9927.2	10121.5	10302.1	10421.1	10516.9	10608.6	10704.3	10917.8	11146.2	11391.1
70°	8316.9	8604.2	8925.7	9159.7	9218.5	9300.6	9388.2	9512.7	9619.4	9858.8	10044.9
72.5°	6682.0	7095.2	7367.4	7691.7	7761.5	7886.0	7935.2	8032.4	8051.5	8181.5	8230.7
75°	4657.2	5130.5	5404.2	5642.2	5688.7	5620.3	5647.7	5304.3	5216.7	5145.6	5088.1
77.5°	3074.2	3201.4	3245.2	3206.9	3023.6	2879.9	2726.7	2576.2	2592.6	2470.9	2257.4
80°	2733.5	2762.3	2722.6	2684.3	2578.9	2428.4	2290.3	2149.3	2079.6	2005.7	1896.2
82.5°	2659.7	2770.5	2782.8	2736.3	2652.8	2488.6	2321.7	2112.4	1934.6	1770.4	1603.5
85°	889.3	1082.2	1168.4	1249.1	1273.7	1302.5	1204.0	1069.9	908.4	800.4	626.6
87.5°	113.6	140.9	162.8	139.6	162.8	191.5	138.2	154.6	156.0	97.1	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

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CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2
2.5°	1312.0	1310.7	1310.7	1310.7	1309.3	1310.7	1310.7	1310.7	1310.7	1310.7	1309.3
5°	1342.1	1342.1	1346.3	1347.6	1344.9	1343.5	1344.9	1346.3	1346.3	1344.9	1346.3
7.5°	1398.2	1399.6	1402.3	1406.4	1403.7	1405.1	1406.4	1405.1	1409.2	1410.6	1409.2
10°	1469.4	1472.1	1479.0	1480.3	1479.0	1484.4	1485.8	1483.1	1485.8	1485.8	1491.3
12.5°	1551.5	1554.2	1562.4	1565.2	1567.9	1569.3	1573.4	1574.7	1578.8	1581.6	1585.7
15°	1640.4	1643.1	1648.6	1658.2	1660.9	1663.7	1666.4	1674.6	1676.0	1681.4	1685.5
17.5°	1715.6	1719.8	1728.0	1734.8	1738.9	1745.7	1748.5	1758.1	1760.8	1769.0	1775.8
20°	1775.8	1782.7	1789.5	1797.7	1804.6	1812.8	1815.5	1825.1	1830.6	1834.7	1842.9
22.5°	1830.6	1838.8	1848.4	1857.9	1863.4	1874.4	1878.5	1882.6	1894.9	1900.3	1908.6
25°	1901.7	1909.9	1920.9	1933.2	1938.7	1952.3	1956.4	1963.3	1977.0	1982.4	1994.7
27.5°	1998.9	2009.8	2018.0	2030.3	2037.2	2046.7	2056.3	2064.5	2076.8	2085.0	2098.7
30°	2120.6	2128.8	2142.5	2152.1	2163.0	2176.7	2187.7	2195.9	2202.7	2215.0	2230.1
32.5°	2299.8	2301.2	2305.3	2328.6	2339.5	2350.5	2365.5	2372.4	2383.3	2395.6	2412.0
35°	2522.9	2535.2	2544.7	2555.7	2568.0	2580.3	2585.8	2606.3	2615.9	2632.3	2648.7
37.5°	2744.5	2745.9	2767.7	2774.6	2785.5	2797.8	2817.0	2837.5	2862.2	2878.6	2904.6
40°	2982.5	2993.5	3020.9	3034.5	3048.2	3078.3	3093.4	3126.2	3167.2	3190.5	3234.3
42.5°	3327.3	3343.7	3393.0	3414.9	3447.7	3497.0	3528.4	3573.6	3590.0	3646.1	3666.6
45°	3778.8	3829.4	3900.6	3947.1	4005.9	4059.3	4086.6	4107.2	4131.8	4175.6	4170.1
47.5°	4267.2	4332.9	4412.3	4508.0	4546.3	4609.3	4644.8	4684.5	4662.6	4651.7	4640.7
50°	4768.0	4844.6	4949.9	5036.1	5095.0	5133.3	5163.4	5157.9	5111.4	5086.7	5018.3
52.5°	5324.8	5370.0	5469.8	5543.7	5579.3	5587.5	5580.6	5539.6	5495.8	5417.8	5337.1
55°	6178.5	6158.0	6197.7	6231.9	6220.9	6259.2	6160.7	6122.4	6014.3	5913.1	5805.0
57.5°	7913.3	7940.7	7719.0	7619.2	7601.4	7637.0	7463.2	7441.3	7180.0	7147.2	6965.2
60°	10449.9	10583.9	10410.2	10313.0	10050.4	9964.2	9769.9	9689.2	9438.8	9236.3	8980.5
62.5°	12357.0	12478.8	12551.3	12413.1	12259.9	12034.2	11740.0	11414.4	11149.0	10838.4	10567.5
65°	12529.4	12775.7	12942.6	13006.9	12898.8	12651.2	12288.6	11878.2	11471.9	11081.9	10739.9
67.5°	11723.6	11943.9	12202.4	12433.7	12447.3	12285.9	11976.7	11559.4	11090.1	10608.6	10207.7
70°	10339.0	10615.4	10841.1	11084.7	11254.3	11161.3	11006.7	10623.6	10136.6	9761.7	9300.6
72.5°	8408.6	8524.9	8579.6	8819.0	8821.8	8652.1	8542.7	8330.6	7938.0	7672.5	7320.9
75°	4910.3	4654.4	4382.2	4145.5	3952.6	3871.8	3513.4	3453.2	3212.4	3063.3	2844.4
77.5°	2024.8	1796.4	1502.2	1257.3	1015.2	905.7	747.0	677.2	586.9	547.3	521.3
80°	1736.2	1520.0	1298.4	1086.3	897.5	708.7	551.4	428.2	336.6	285.9	265.4
82.5°	1417.4	1287.4	1132.8	1017.9	870.1	729.2	615.7	477.5	357.1	262.7	201.1
85°	511.7	420.0	337.9	310.6	247.6	203.9	171.0	146.4	120.4	95.8	84.8
87.5°	57.5	54.7	31.5	30.1	34.2	24.6	28.7	26.0	21.9	19.2	20.5
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2	1305.2
2.5°	1309.3	1309.3	1310.7	1310.7	1312.0	1313.4	1316.2	1314.8	1314.8	1316.2	1316.2
5°	1346.3	1350.4	1349.0	1349.0	1349.0	1350.4	1351.7	1346.3	1340.8	1335.3	1332.6
7.5°	1410.6	1413.3	1416.0	1413.3	1416.0	1414.7	1411.9	1396.9	1379.1	1357.2	1342.1
10°	1494.0	1494.0	1496.7	1495.4	1500.9	1496.7	1488.5	1454.3	1416.0	1369.5	1335.3
12.5°	1584.3	1593.9	1589.8	1591.1	1602.1	1591.1	1572.0	1521.4	1453.0	1377.7	1317.5
15°	1691.0	1695.1	1697.9	1693.8	1700.6	1691.0	1656.8	1576.1	1476.2	1370.9	1281.9
17.5°	1778.6	1780.0	1781.3	1784.1	1793.6	1782.7	1723.9	1614.4	1481.7	1339.4	1221.7
20°	1847.0	1853.8	1859.3	1859.3	1873.0	1856.6	1778.6	1633.6	1463.9	1287.4	1145.1
22.5°	1918.1	1923.6	1930.4	1931.8	1949.6	1933.2	1823.7	1629.5	1417.4	1213.5	1056.2
25°	2005.7	2011.2	2016.6	2023.5	2048.1	2024.8	1868.9	1613.0	1353.1	1126.0	960.4
27.5°	2106.9	2119.2	2123.4	2134.3	2163.0	2127.5	1907.2	1588.4	1281.9	1024.7	859.2
30°	2242.4	2257.4	2262.9	2278.0	2317.6	2239.6	1929.1	1546.0	1191.7	922.1	751.1
32.5°	2424.3	2444.9	2461.3	2477.7	2522.9	2351.8	1931.8	1484.4	1086.3	807.2	647.1
35°	2662.4	2693.9	2706.2	2717.1	2759.5	2473.6	1919.5	1392.8	957.7	689.5	565.0
37.5°	2929.2	2960.7	2968.9	2974.3	2982.5	2577.6	1889.4	1253.2	812.7	586.9	499.4
40°	3257.5	3284.9	3295.9	3287.6	3243.9	2658.3	1822.4	1090.4	671.8	517.2	458.3
42.5°	3658.4	3699.5	3703.6	3666.6	3521.6	2703.4	1688.3	898.9	560.9	466.5	426.9
45°	4155.0	4152.3	4129.0	4103.1	3824.0	2685.7	1500.9	732.0	491.2	426.9	398.1
47.5°	4601.1	4554.5	4519.0	4442.4	4090.7	2581.7	1258.7	606.1	448.8	396.8	373.5
50°	4966.4	4881.5	4806.3	4722.8	4289.1	2397.0	1017.9	514.4	409.1	370.8	350.2
52.5°	5255.0	5152.4	5064.9	4982.8	4480.7	2191.8	834.6	447.4	370.8	344.8	324.2
55°	5706.5	5603.9	5464.4	5374.1	4773.4	2003.0	715.5	394.0	333.8	317.4	296.9
57.5°	6848.9	6758.6	6591.7	6357.7	5525.9	1931.8	648.5	353.0	303.7	294.2	277.7
60°	8843.7	8697.3	8479.7	8241.7	7055.5	1979.7	595.1	324.2	283.2	275.0	262.7
62.5°	10348.6	10091.4	9845.1	9624.9	8278.6	1978.3	525.4	302.4	268.2	264.1	251.7
65°	10410.2	10148.9	9901.2	9670.0	8306.0	1760.8	443.3	283.2	265.4	264.1	243.5
67.5°	9857.5	9574.2	9334.8	9043.4	7689.0	1376.3	355.7	270.9	276.4	273.6	240.8
70°	8954.5	8585.1	8388.1	8100.8	6766.8	963.2	292.8	275.0	299.6	291.4	244.9
72.5°	7028.1	6749.0	6449.4	6249.7	5297.4	608.8	246.3	277.7	309.2	295.5	255.8
75°	2615.9	2691.1	2568.0	2524.2	2691.1	357.1	218.9	258.6	276.4	255.8	232.6
77.5°	528.1	504.8	478.8	473.4	611.6	220.3	201.1	224.4	212.1	187.4	188.8
80°	253.1	246.3	238.1	236.7	227.1	183.3	186.1	191.5	160.1	145.0	154.6
82.5°	168.3	158.7	156.0	150.5	153.2	164.2	176.5	164.2	123.1	114.9	139.6
85°	78.0	75.2	73.9	73.9	82.1	147.8	146.4	120.4	84.8	82.1	139.6
87.5°	19.2	19.2	20.5	19.2	21.9	43.8	38.3	36.9	31.5	35.6	65.7
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):

	165°	175°	180°
0°	1305.2	1305.2	1305.2
2.5°	1314.8	1316.2	1314.8
5°	1327.1	1327.1	1327.1
7.5°	1327.1	1323.0	1321.6
10°	1307.9	1295.6	1295.6
12.5°	1275.1	1254.6	1251.8
15°	1213.5	1186.2	1182.1
17.5°	1135.6	1098.6	1091.8
20°	1048.0	1001.5	993.3
22.5°	952.2	898.9	894.8
25°	857.8	803.1	792.2
27.5°	752.5	699.1	693.6
30°	647.1	600.6	597.9
32.5°	558.2	529.5	524.0
35°	495.3	478.8	472.0
37.5°	454.2	441.9	440.5
40°	422.8	411.8	410.4
42.5°	396.8	387.2	385.8
45°	370.8	362.6	359.8
47.5°	344.8	336.6	335.2
50°	321.5	310.6	309.2
52.5°	299.6	288.7	285.9
55°	279.1	268.2	268.2
57.5°	261.3	250.4	249.0
60°	244.9	234.0	232.6
62.5°	232.6	218.9	217.5
65°	223.0	209.3	206.6
67.5°	217.5	201.1	197.0
70°	227.1	197.0	190.2
72.5°	228.5	192.9	183.3
75°	220.3	182.0	175.1
77.5°	192.9	162.8	156.0
80°	166.9	125.9	116.3
82.5°	158.7	102.6	88.9
85°	123.1	67.0	62.9
87.5°	69.8	36.9	30.1
90°	0.0	0.0	0.0

(END OF REPORT)