

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: P151029

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151029
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: VXS-E04-LED-E1-SL3-7030
Description: VISION SITE SMALL 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 (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

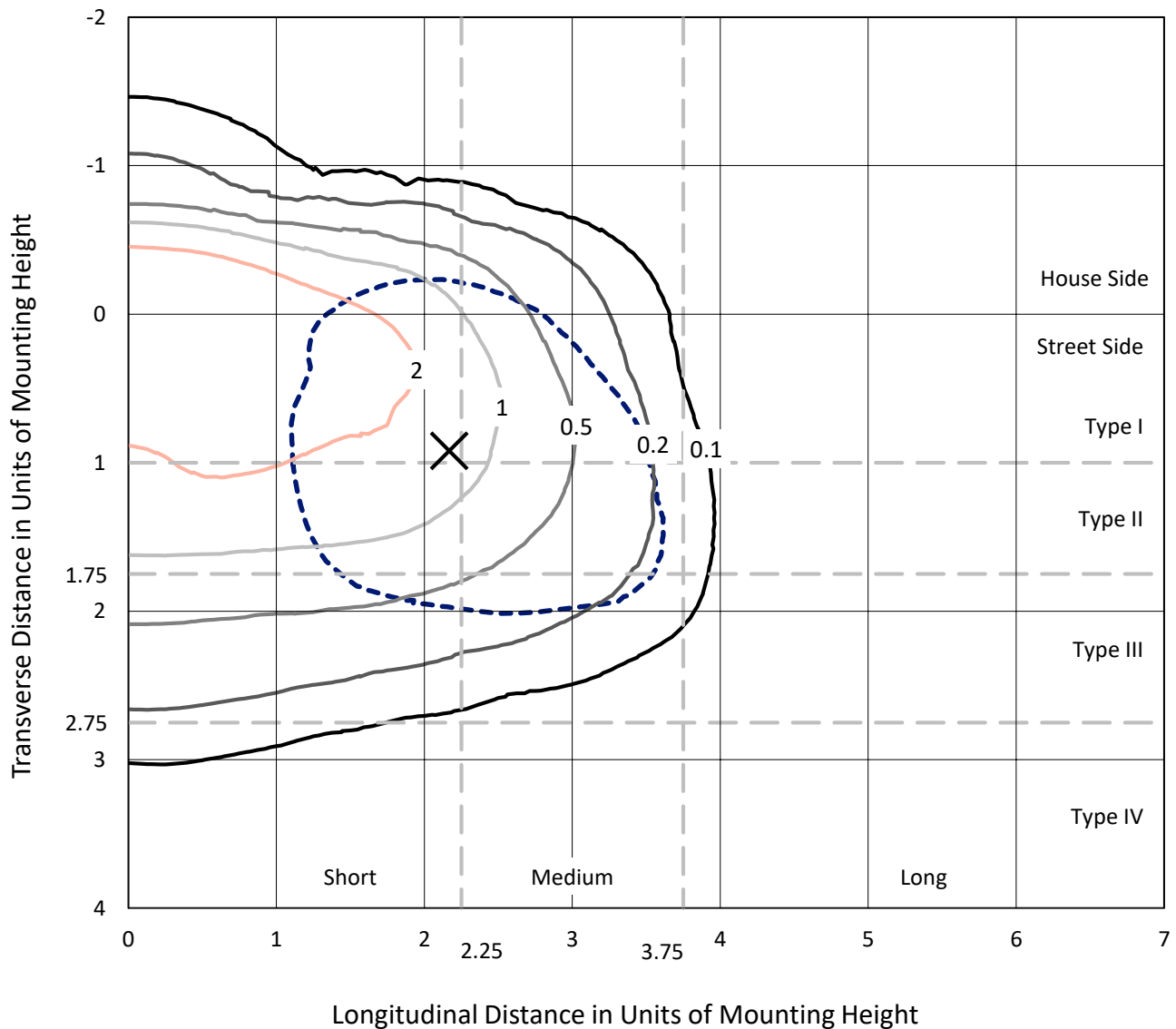


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

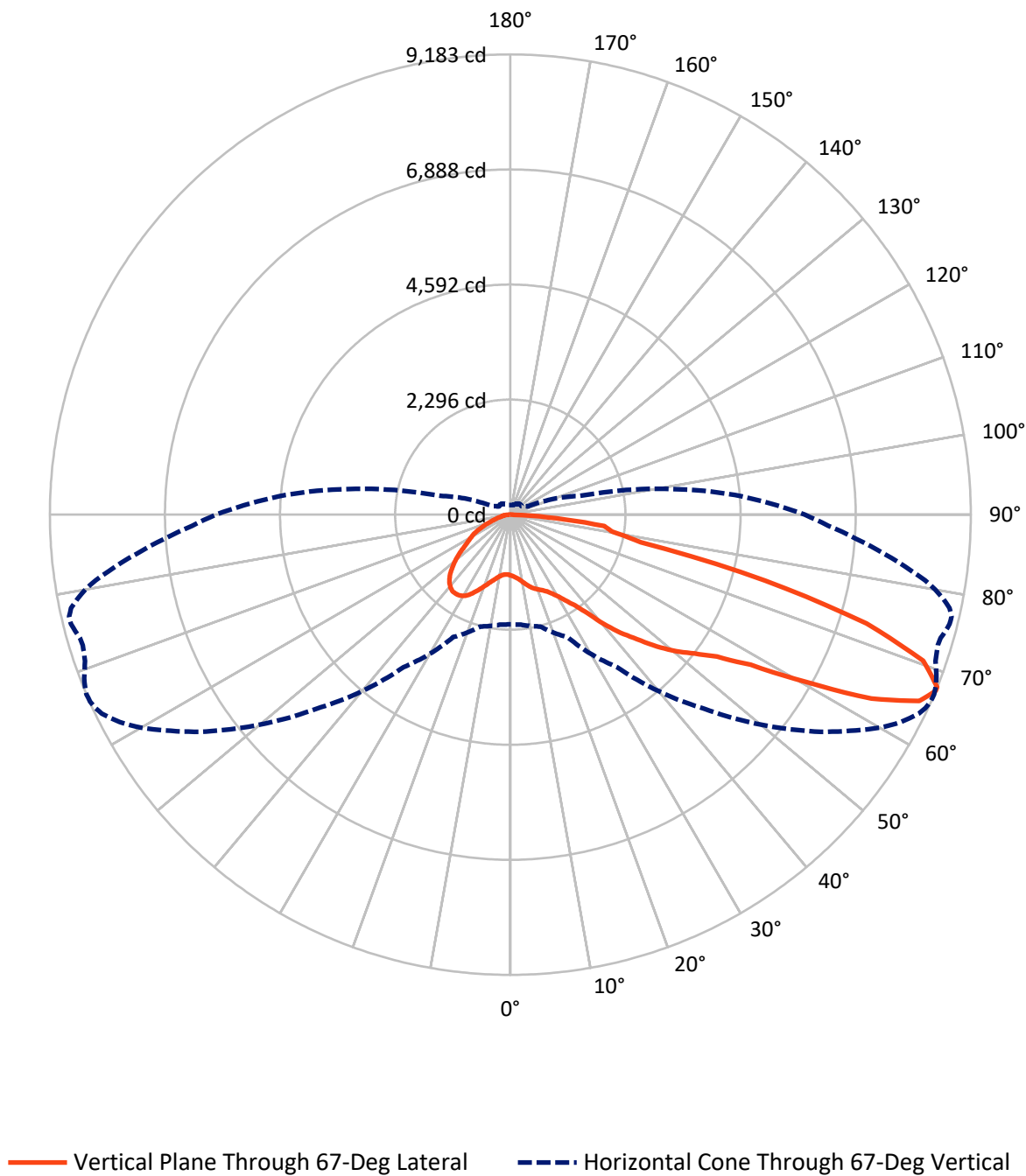


Based on 20 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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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

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

Coefficient of Utilization



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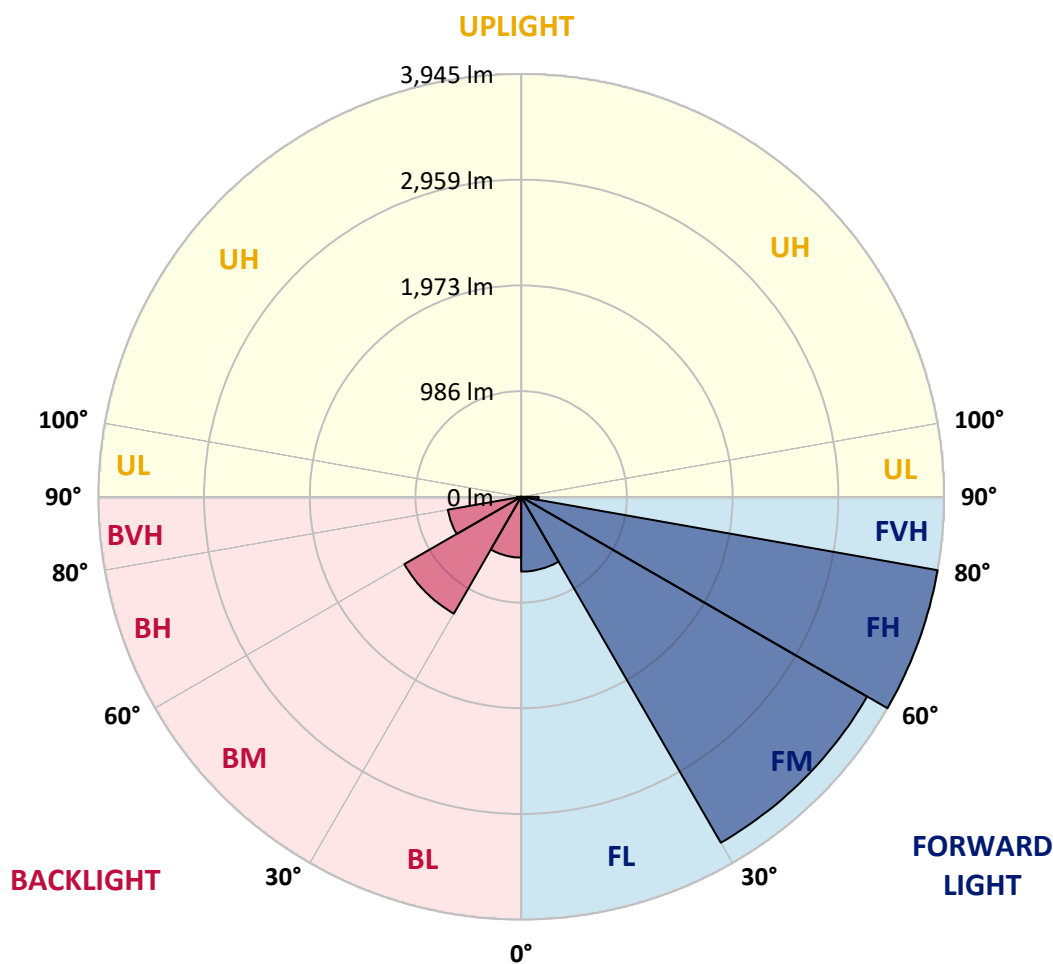
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	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	1267.8	1266.5	1259.2	1251.9	1247.0	1240.9	1240.9	1240.9	1238.5
5°	1340.8	1336.0	1339.6	1331.1	1316.5	1303.0	1289.6	1278.7	1276.3	1276.3	1271.4
7.5°	1427.3	1421.1	1418.8	1406.5	1384.7	1365.2	1338.3	1327.4	1321.3	1318.9	1316.5
10°	1532.0	1532.0	1516.2	1495.4	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	1507.7	1473.6	1451.6	1450.4	1445.5	1439.5
15°	1737.8	1731.7	1718.3	1687.9	1635.5	1582.0	1539.3	1517.4	1512.5	1507.7	1503.9
17.5°	1819.4	1813.3	1796.3	1757.3	1702.5	1639.2	1586.8	1563.6	1561.2	1558.8	1553.9
20°	1870.6	1865.7	1841.3	1796.3	1739.1	1674.5	1618.4	1602.6	1597.7	1597.7	1595.3
22.5°	1899.8	1892.4	1857.1	1797.5	1741.5	1694.0	1647.7	1637.9	1634.3	1635.5	1635.5
25°	1914.4	1908.3	1858.3	1773.2	1719.6	1706.1	1686.6	1680.5	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°	1898.5	1888.8	1832.7	1717.1	1679.4	1775.5	1829.1	1854.7	1864.5	1862.0	1881.5
32.5°	1866.8	1860.8	1815.8	1717.1	1713.5	1866.8	1961.9	1998.4	2003.3	2005.7	2027.7
35°	1856.0	1854.7	1835.2	1775.5	1819.4	2027.7	2172.5	2200.5	2206.6	2206.6	2222.5
37.5°	1853.5	1859.6	1881.5	1885.2	2005.7	2266.3	2456.3	2499.0	2499.0	2511.1	2511.1
40°	1853.5	1866.8	1949.7	2048.3	2233.5	2576.9	2839.9	2888.6	2888.6	2902.0	2894.7
42.5°	1925.4	1944.9	2081.2	2268.8	2520.8	2897.1	3199.2	3254.0	3257.6	3254.0	3265.0
45°	2066.6	2083.6	2249.3	2518.4	2816.8	3240.5	3542.6	3608.4	3594.9	3603.5	3607.2
47.5°	2254.2	2280.9	2469.7	2791.2	3105.4	3558.4	3927.4	3987.0	3982.2	3985.9	3970.1
50°	2453.9	2481.9	2692.5	3061.6	3392.7	3814.2	4236.7	4325.6	4317.1	4323.2	4331.7
52.5°	2630.5	2647.5	2850.9	3265.0	3610.8	4052.8	4474.2	4585.0	4604.5	4606.9	4613.1
55°	2735.1	2755.9	2942.2	3366.0	3769.1	4286.6	4745.8	4913.8	4951.6	4961.3	4988.1
57.5°	2771.7	2793.7	2962.9	3380.6	3855.5	4505.9	5124.5	5420.4	5452.1	5504.5	5589.7
60°	2770.5	2793.7	2941.0	3347.8	3943.2	4777.4	5713.9	6209.5	6370.4	6423.9	6545.7
62.5°	2657.2	2684.0	2833.8	3247.9	4055.2	5124.5	6590.8	7353.1	7560.1	7657.5	7789.0
65°	2408.8	2428.3	2568.3	2994.6	4023.6	5466.7	7323.8	8274.9	8463.7	8606.2	8841.2
67°	2188.4	2200.5	2310.2	2695.0	3714.3	5478.9	7555.2	8503.9	8668.3	8819.3	9061.7
67.5°	2132.3	2157.9	2243.2	2603.6	3598.5	5409.4	7539.4	8468.6	8636.7	8793.8	9049.4
70°	1735.3	1771.9	1814.5	2056.9	2828.9	4550.9	6980.4	7857.2	8004.6	8150.8	8507.6
72.5°	1070.5	1136.2	1144.8	1298.1	1841.3	3145.6	5648.2	6626.0	6736.9	6841.6	7206.9
75°	630.8	640.5	671.0	795.2	1080.2	1880.3	3789.8	4922.4	5024.7	5075.8	5362.0
77.5°	351.9	361.7	387.3	494.4	830.6	1266.5	2206.6	2892.2	2954.4	3019.0	2972.6
80°	146.1	159.5	171.7	199.7	388.5	999.8	1517.4	1838.9	1879.1	1916.8	1964.4
82.5°	70.7	75.5	92.5	105.9	141.2	410.4	1189.7	1594.1	1641.6	1696.4	1807.3
85°	32.8	36.6	51.2	60.9	68.2	103.5	398.2	775.8	841.5	853.7	875.6
87.5°	2.5	2.5	6.1	8.5	12.2	13.4	41.5	58.4	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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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	1233.7	1233.7	1232.4	1232.4	1232.4	1229.9	1229.9	1229.9	1228.8
5°	1270.2	1268.9	1265.3	1265.3	1262.9	1262.9	1259.2	1258.0	1255.5	1255.5	1254.3
7.5°	1312.7	1311.6	1306.7	1306.7	1303.0	1301.9	1299.4	1295.8	1295.8	1293.3	1290.9
10°	1371.2	1367.6	1366.3	1360.3	1361.5	1359.1	1356.6	1353.0	1350.6	1348.1	1345.7
12.5°	1437.0	1437.0	1430.9	1427.3	1429.7	1427.3	1422.4	1421.1	1417.5	1417.5	1413.9
15°	1499.1	1499.1	1496.7	1491.8	1493.1	1489.3	1488.2	1485.7	1480.8	1482.1	1480.8
17.5°	1552.7	1552.7	1549.0	1546.6	1546.6	1542.9	1544.1	1541.8	1539.3	1538.0	1534.4
20°	1595.3	1595.3	1592.8	1590.5	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	1695.1	1697.6	1697.6	1703.7	1704.9	1706.1	1709.7	1709.7	1713.5	1714.6
27.5°	1773.2	1775.5	1785.3	1787.8	1788.9	1798.7	1799.9	1804.8	1809.6	1810.9	1812.1
30°	1885.2	1891.3	1898.5	1903.4	1903.4	1915.6	1920.5	1918.0	1931.4	1935.1	1940.0
32.5°	2034.9	2039.8	2047.2	2052.0	2056.9	2063.0	2064.1	2070.3	2081.2	2091.0	2084.9
35°	2223.7	2235.9	2223.7	2237.1	2240.7	2249.3	2246.8	2254.2	2259.1	2262.7	2261.5
37.5°	2497.7	2491.6	2489.2	2484.4	2475.8	2505.0	2490.4	2489.2	2481.9	2502.6	2489.2
40°	2858.1	2861.9	2865.5	2846.0	2835.0	2835.0	2831.4	2818.0	2811.9	2830.2	2827.8
42.5°	3234.5	3238.1	3221.0	3208.9	3180.9	3177.2	3160.2	3156.6	3150.5	3160.2	3150.5
45°	3576.7	3579.1	3541.3	3547.5	3525.5	3529.2	3502.4	3513.4	3498.8	3508.5	3526.7
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	4286.6	4276.9	4279.4	4264.8	4278.1	4259.9	4279.4	4276.9
52.5°	4614.2	4606.9	4603.3	4615.4	4606.9	4606.9	4598.4	4604.5	4606.9	4636.2	4642.3
55°	4988.1	4994.2	5000.3	5022.2	5031.9	5016.2	5031.9	5062.4	5063.6	5133.1	5170.8
57.5°	5588.5	5631.1	5653.1	5666.4	5723.6	5717.6	5754.1	5827.2	5834.5	5995.2	6089.0
60°	6635.8	6711.3	6783.1	6744.1	6859.9	6895.2	6917.1	7053.5	7096.2	7248.4	7329.9
62.5°	7958.3	7966.8	8078.9	8043.5	8109.3	8093.5	8120.3	8182.4	8238.4	8363.8	8440.6
65°	8881.5	8921.6	8965.5	8920.4	8919.2	8865.6	8831.5	8830.3	8864.4	8891.2	8976.4
67°	9132.3	9172.4	9183.4	9150.6	9103.1	9034.8	8971.5	8938.7	8916.7	8928.9	8982.5
67.5°	9129.8	9167.6	9181.0	9149.3	9083.5	9026.3	8959.4	8921.6	8892.3	8898.4	8943.5
70°	8611.1	8692.6	8736.5	8746.2	8737.7	8637.8	8580.6	8546.5	8522.2	8462.5	8458.9
72.5°	7295.9	7394.5	7428.6	7483.4	7507.8	7360.4	7298.2	7336.1	7250.8	7062.1	7070.6
75°	5357.1	5364.5	5249.9	5228.0	5146.4	4812.7	4712.8	4621.6	4475.4	4247.7	4033.4
77.5°	2792.4	2791.2	2659.7	2592.7	2495.2	2294.3	2284.6	2121.5	2006.9	1798.7	1723.2
80°	1983.8	2015.4	2059.3	2081.2	2047.2	1969.2	1862.0	1746.3	1613.6	1483.3	1327.4
82.5°	1845.0	1864.5	1887.6	1802.4	1754.8	1645.3	1563.6	1395.6	1301.9	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	70.7	63.3	57.2	49.9	28.0	37.7	26.8	28.0	20.7	18.2
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):

	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	1227.6	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	1248.3	1248.3	1245.8	1242.2	1240.9	1240.9	1238.5	1236.1
7.5°	1289.6	1288.4	1286.0	1284.8	1282.4	1279.9	1277.5	1275.0	1273.8	1270.2	1268.9
10°	1346.8	1344.5	1338.3	1336.0	1334.7	1332.2	1329.8	1327.4	1323.7	1321.3	1320.1
12.5°	1411.4	1410.3	1405.4	1407.8	1401.7	1399.3	1396.8	1390.8	1393.2	1388.3	1385.9
15°	1476.0	1477.2	1474.7	1474.7	1469.8	1466.2	1463.8	1459.0	1457.7	1455.2	1452.8
17.5°	1533.2	1535.6	1532.0	1529.5	1527.2	1524.7	1519.8	1514.9	1514.9	1510.1	1507.7
20°	1585.6	1588.0	1586.8	1584.4	1580.7	1579.5	1577.1	1573.4	1573.4	1571.0	1567.4
22.5°	1645.3	1646.4	1646.4	1645.3	1641.6	1642.8	1640.4	1636.7	1637.9	1633.1	1633.1
25°	1717.1	1719.6	1722.0	1723.2	1720.7	1722.0	1719.6	1717.1	1715.9	1717.1	1715.9
27.5°	1815.8	1818.1	1825.5	1819.4	1825.5	1826.7	1823.0	1818.1	1821.9	1827.9	1824.2
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	2102.0	2105.6	2110.5	2106.8	2103.1	2109.2	2105.6	2114.1
35°	2268.8	2279.7	2283.4	2279.7	2282.2	2290.7	2289.4	2290.7	2302.9	2290.7	2306.5
37.5°	2491.6	2502.6	2511.1	2506.2	2512.3	2512.3	2522.1	2548.8	2531.8	2553.7	2570.8
40°	2815.5	2832.6	2833.8	2832.6	2838.7	2846.0	2855.8	2885.0	2865.5	2888.6	2904.5
42.5°	3149.2	3169.9	3177.2	3165.1	3178.4	3194.3	3195.5	3221.0	3222.3	3225.9	3234.5
45°	3525.5	3543.8	3558.4	3552.3	3553.6	3574.2	3569.3	3593.7	3575.4	3575.4	3580.3
47.5°	3926.2	3943.2	3953.0	3962.7	3950.6	3968.8	3977.3	3972.4	3950.6	3945.7	3916.5
50°	4291.5	4306.1	4320.7	4347.6	4346.3	4354.8	4360.9	4339.1	4334.2	4307.4	4274.5
52.5°	4678.8	4716.6	4749.4	4805.5	4814.0	4843.2	4832.2	4795.6	4789.6	4745.8	4702.0
55°	5218.2	5326.6	5374.2	5460.6	5519.1	5517.8	5493.5	5487.4	5441.1	5353.5	5301.0
57.5°	6157.2	6326.4	6408.1	6520.1	6538.3	6527.5	6495.8	6439.7	6359.4	6212.0	6117.0
60°	7512.6	7617.3	7712.3	7739.2	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	8513.7	8351.7	8143.4	7923.0	7695.2	7442.0
65°	9058.0	9103.1	9092.1	9006.8	8863.1	8678.0	8441.8	8184.9	7925.5	7656.3	7393.3
67°	9029.9	9031.2	8956.9	8791.3	8607.5	8374.8	8086.2	7806.1	7501.7	7219.2	6906.1
67.5°	8980.1	8975.2	8871.7	8690.3	8491.7	8251.8	7952.2	7662.4	7346.9	7062.1	6738.1
70°	8415.0	8346.8	8113.0	7823.1	7546.7	7222.8	6908.6	6576.2	6220.5	5975.8	5603.1
72.5°	6914.7	6684.5	6281.5	5978.1	5682.3	5258.4	5062.4	4649.5	4399.9	4244.0	3962.7
75°	4004.1	3811.7	3500.0	3216.2	3072.5	2821.7	2702.3	2399.1	2335.8	2333.3	2235.9
77.5°	1528.3	1333.5	1132.5	912.1	775.8	616.2	543.1	485.9	442.1	472.5	428.7
80°	1145.9	942.6	736.8	535.9	382.4	282.5	242.4	224.0	213.2	204.6	198.5
82.5°	853.7	673.5	522.5	340.9	238.7	180.2	155.9	146.1	141.2	132.7	125.4
85°	288.6	231.4	182.7	126.6	99.9	81.6	75.5	73.1	69.4	63.3	59.7
87.5°	15.9	14.6	15.9	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	1214.2	1210.5	1203.2	1195.9	1189.7	1183.7	1180.0	1177.6
5°	1234.8	1232.4	1231.2	1229.9	1221.5	1206.8	1193.5	1181.2	1169.1	1159.4	1155.6
7.5°	1267.8	1262.9	1261.7	1258.0	1247.0	1225.1	1205.6	1186.1	1169.1	1155.6	1149.6
10°	1317.6	1317.6	1310.4	1305.5	1293.3	1264.0	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	1440.6	1435.8	1420.0	1379.8	1345.7	1318.9	1300.6	1283.5	1278.7
17.5°	1505.2	1505.2	1499.1	1494.2	1478.4	1444.4	1413.9	1394.4	1373.7	1338.3	1311.6
20°	1563.6	1564.9	1560.0	1555.1	1541.8	1512.5	1499.1	1479.6	1433.4	1356.6	1293.3
22.5°	1628.2	1633.1	1626.9	1622.1	1611.2	1599.0	1594.1	1547.9	1450.4	1327.4	1234.8
25°	1711.0	1719.6	1712.2	1709.7	1703.7	1707.4	1692.7	1585.6	1426.0	1264.0	1148.4
27.5°	1824.2	1824.2	1825.5	1825.5	1823.0	1836.5	1782.9	1586.8	1372.4	1182.5	1044.9
30°	1957.0	1964.4	1961.9	1961.9	1971.6	1980.1	1832.7	1560.0	1304.2	1081.5	918.2
32.5°	2116.6	2122.6	2125.1	2114.1	2153.1	2109.2	1851.1	1511.3	1220.2	956.0	767.3
35°	2308.9	2317.5	2323.5	2324.8	2350.4	2221.2	1841.3	1439.5	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	2911.7	2908.1	2920.3	2850.9	2372.2	1753.7	1206.8	747.8	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	296.0
45°	3574.2	3553.6	3530.4	3513.4	3272.2	2412.4	1551.5	834.2	395.8	287.4	274.0
47.5°	3911.6	3883.5	3836.1	3787.4	3452.4	2395.4	1401.7	624.8	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	247.3
52.5°	4653.3	4565.5	4477.8	4404.8	3850.7	2329.6	1062.0	342.2	247.3	241.1	236.3
55°	5215.9	5094.1	4952.7	4850.5	4156.4	2268.8	879.3	289.8	239.9	235.0	227.8
57.5°	5995.2	5812.5	5653.1	5486.2	4574.1	2206.6	722.2	269.1	238.7	231.4	221.7
60°	6791.7	6572.4	6369.1	6130.4	5000.3	2144.6	612.5	266.7	242.4	231.4	216.8
62.5°	7205.7	6979.2	6734.4	6492.1	5184.1	1998.4	537.1	270.4	250.9	235.0	216.8
65°	7110.8	6834.3	6585.9	6338.7	4971.1	1722.0	454.2	275.2	267.9	249.6	220.4
67°	6633.4	6344.8	6106.0	5869.8	4496.2	1441.9	389.7	280.1	286.2	266.7	227.8
67.5°	6465.3	6176.7	5941.7	5711.5	4356.1	1383.4	373.9	282.5	289.8	271.6	230.2
70°	5360.7	5148.9	4899.2	4721.5	3526.7	1024.1	306.8	287.4	311.7	299.6	241.1
72.5°	3858.0	3655.9	3468.3	3369.6	2597.6	716.1	258.1	282.5	325.2	315.4	246.0
75°	2050.8	2038.5	1970.4	2019.1	1607.5	467.7	227.8	264.2	310.6	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	187.6	183.9	166.8	158.3	177.8	166.8	136.4	124.2
82.5°	119.4	116.9	113.3	112.0	124.2	132.7	138.9	140.0	110.8	95.0	91.3
85°	57.2	57.2	56.1	58.4	73.1	108.4	116.9	103.5	74.3	68.2	64.6
87.5°	11.0	11.0	12.2	11.0	14.6	25.6	29.2	34.1	28.0	29.2	32.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1211.7	1211.7	1211.7
2.5°	1175.1	1172.7	1172.7
5°	1150.8	1149.6	1149.6
7.5°	1144.8	1145.9	1144.8
10°	1167.9	1166.6	1171.5
12.5°	1219.1	1222.7	1221.5
15°	1272.6	1275.0	1275.0
17.5°	1288.4	1279.9	1278.7
20°	1247.0	1231.2	1227.6
22.5°	1169.1	1139.9	1141.0
25°	1070.5	1035.1	1037.6
27.5°	956.0	918.2	917.0
30°	818.3	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°	310.6	299.6	297.1
42.5°	282.5	278.9	277.6
45°	267.9	265.5	264.2
47.5°	254.5	253.3	252.1
50°	244.8	243.5	242.4
52.5°	236.3	233.8	232.6
55°	224.0	224.0	224.0
57.5°	216.8	216.8	215.5
60°	209.4	208.3	208.3
62.5°	203.4	200.9	202.2
65°	199.7	196.1	196.1
67°	197.3	189.9	189.9
67.5°	197.3	187.6	187.6
70°	193.7	177.8	175.3
72.5°	189.9	166.8	163.2
75°	180.2	158.3	154.6
77.5°	154.6	141.2	138.9
80°	119.4	103.5	105.9
82.5°	86.4	74.3	73.1
85°	62.1	53.6	53.6
87.5°	32.8	28.0	29.2
90°	0.0	0.0	0.0

(END OF REPORT)