

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: P154406

Luminaire Tested: **VXS-F04-LED-E1-T2-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P154406
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F04-LED-E1-T2-7050
Description: VISION SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (28) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10381.2 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 102.2
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



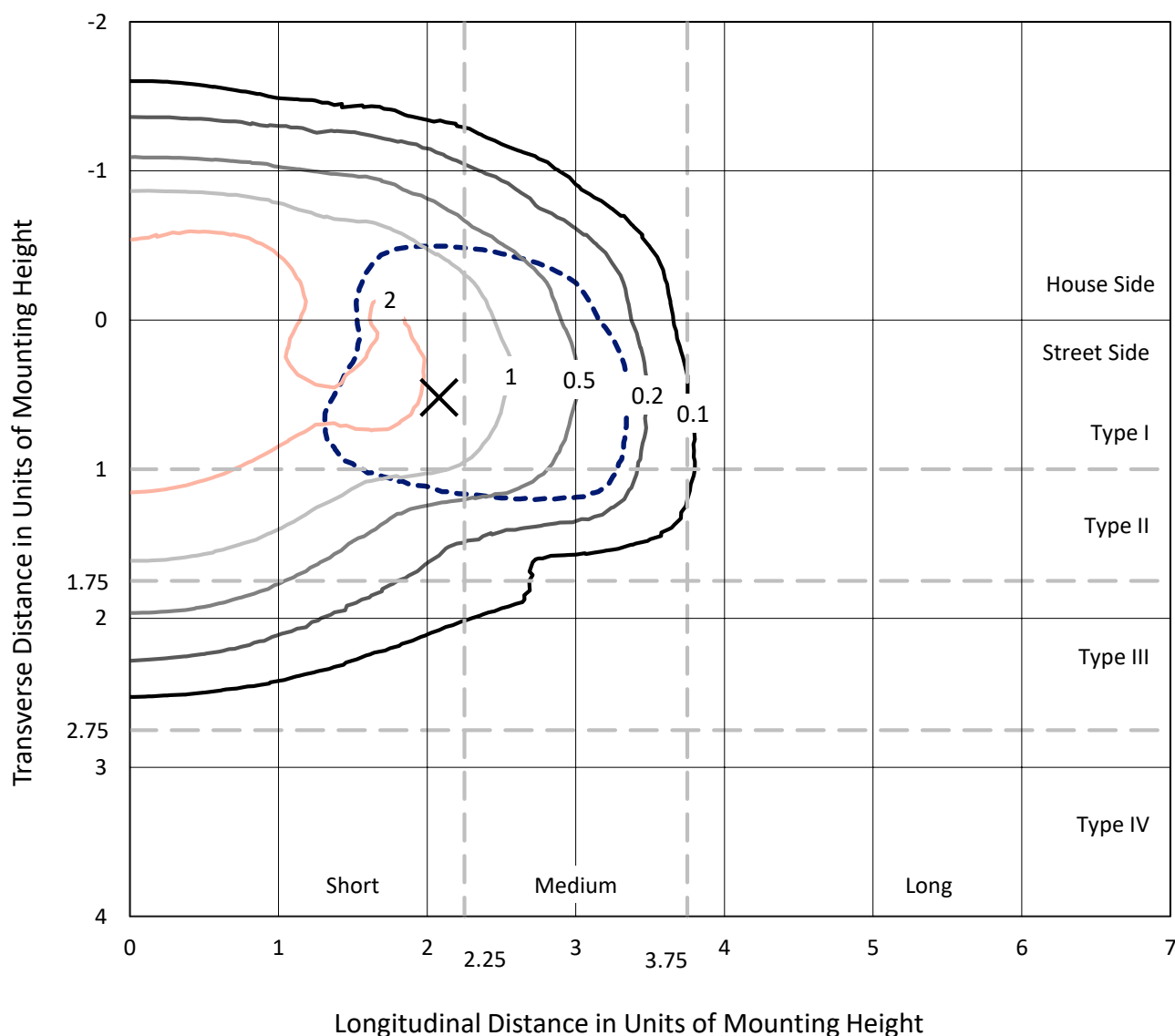
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

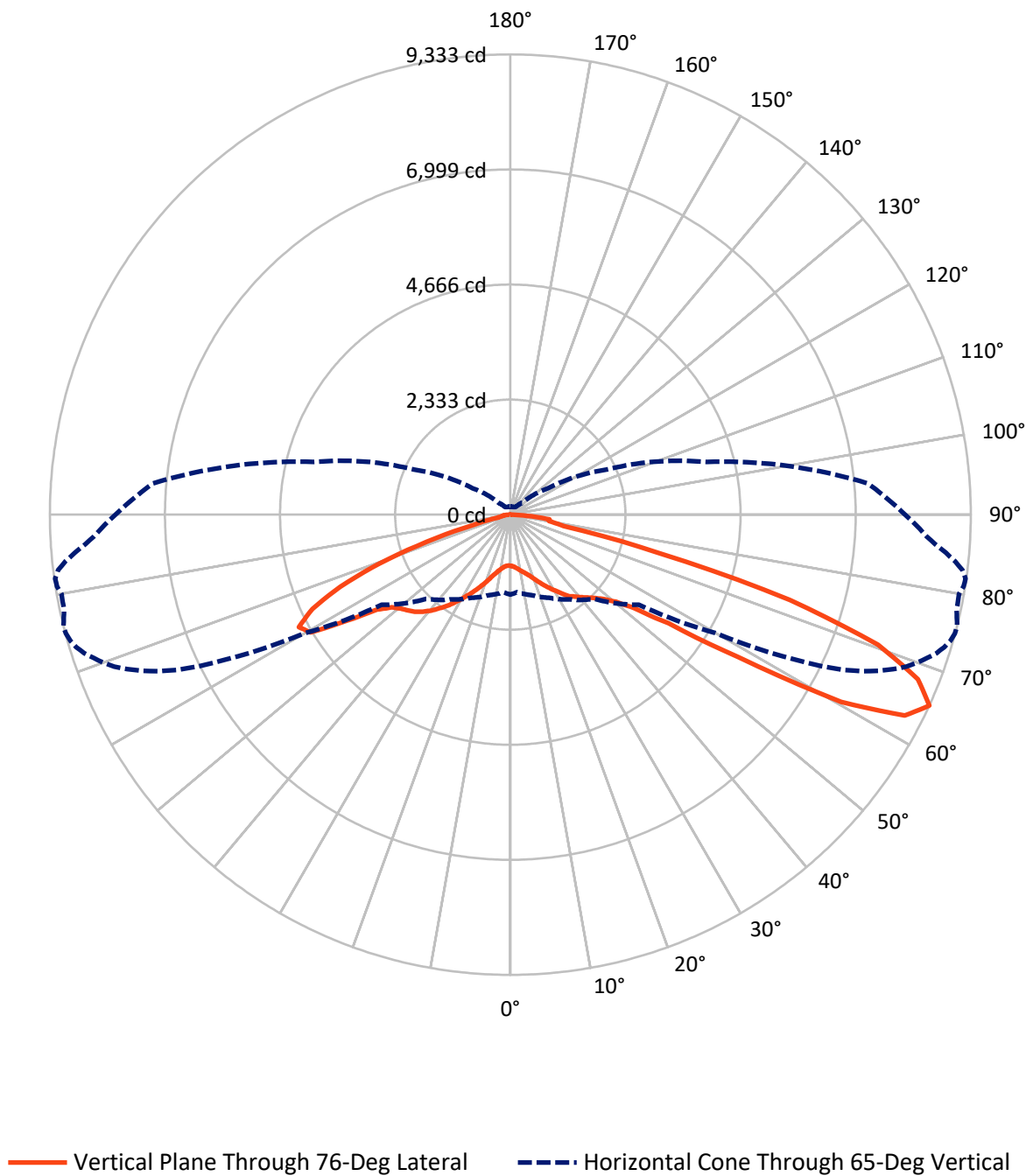


Based on 20 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3635.2	0.0	3635.2
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	6746.0	0.0	6746.0
	% Fixture	65.0	0.0	65.0
Total	Lumens	10381.2	0.0	10381.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.9	1.0
10°-20°	357.0	3.4
20°-30°	701.4	6.8
30°-40°	1165.4	11.2
40°-50°	1712.4	16.5
50°-60°	2370.8	22.8
60°-70°	2829.8	27.3
70°-80°	1000.7	9.6
80°-90°	139.8	1.3
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°	10381.2	100.0
0°-180°	10381.2	100.0

Coefficient of Utilization



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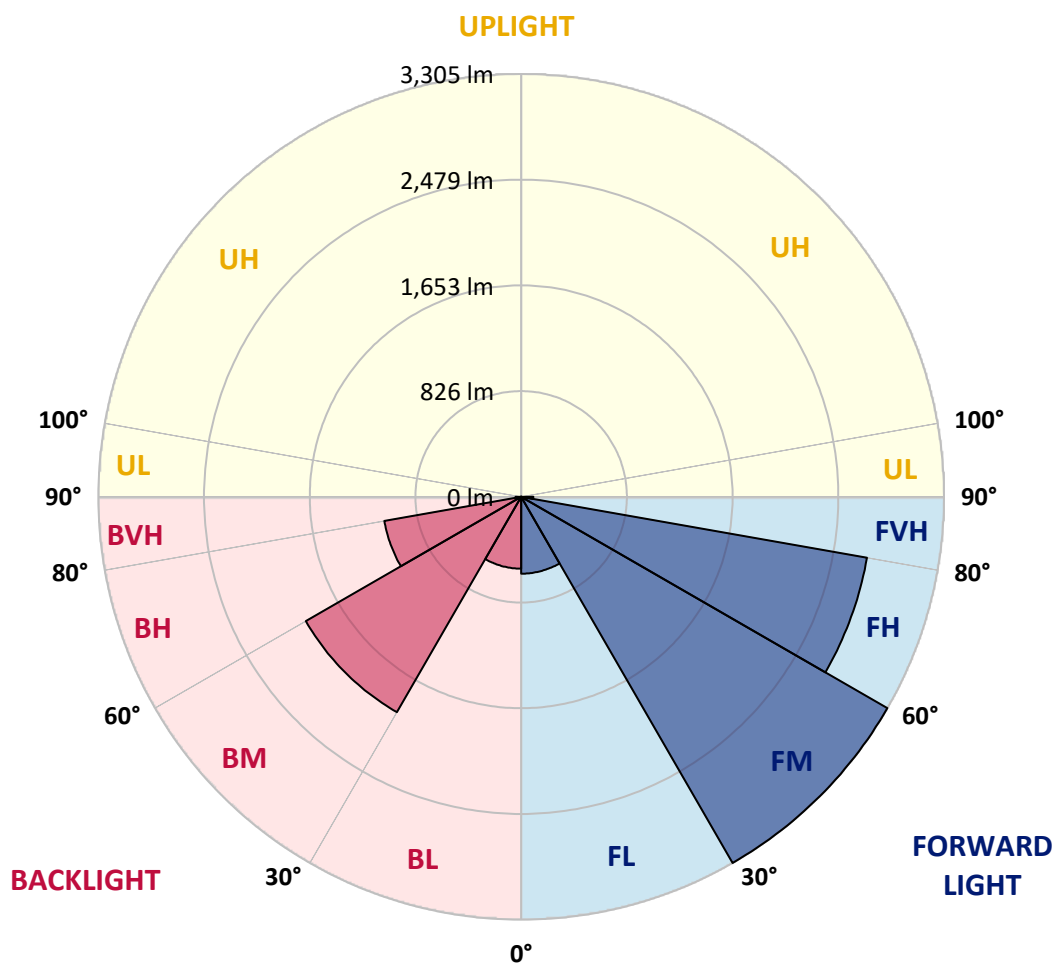
CATALOG NUMBER: VXS-F04-LED-E1-T2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	600.7	5.8			
FM	(30°-60°)	3305.1	31.8			
FH	(60°-80°)	2744.7	26.4			G2/5000
FVH	(80°-90°)	95.6	0.9			G1/100
BL	(0°-30°)	561.6	5.4	B2/1000		
BM	(30°-60°)	1943.5	18.7	B2/2500		
BH	(60°-80°)	1085.8	10.5	B3/2500		G3/2500
BVH	(80°-90°)	44.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9
2.5°	1083.1	1084.2	1082.0	1080.8	1077.5	1071.8	1067.4	1062.8	1062.8	1062.8	1059.4
5°	1130.6	1132.8	1128.3	1124.9	1114.7	1109.1	1101.2	1095.5	1093.3	1092.1	1088.8
7.5°	1190.5	1187.0	1180.2	1178.0	1170.1	1157.7	1143.0	1131.7	1131.7	1130.6	1131.7
10°	1250.3	1241.2	1237.8	1234.5	1222.1	1206.2	1189.3	1176.9	1175.8	1174.6	1171.2
12.5°	1310.2	1306.7	1303.3	1291.0	1278.5	1253.7	1234.5	1222.1	1220.9	1222.1	1217.5
15°	1389.2	1381.3	1377.9	1356.5	1329.3	1302.3	1278.5	1267.3	1263.8	1265.0	1261.6
17.5°	1450.2	1450.2	1442.3	1418.5	1383.5	1346.3	1321.5	1314.6	1313.6	1313.6	1314.6
20°	1498.8	1497.6	1489.7	1470.6	1428.7	1391.5	1379.1	1376.8	1375.6	1375.6	1379.1
22.5°	1525.9	1523.6	1520.2	1498.8	1466.0	1441.1	1442.3	1449.0	1451.3	1453.6	1458.1
25°	1539.4	1536.1	1534.9	1520.2	1496.5	1493.2	1513.5	1531.5	1536.1	1540.5	1546.2
27.5°	1562.0	1556.4	1558.7	1553.0	1547.4	1557.5	1599.3	1618.4	1621.9	1627.6	1630.9
30°	1624.1	1621.9	1630.9	1633.2	1637.7	1652.3	1690.8	1708.8	1716.8	1716.8	1732.5
32.5°	1742.7	1743.8	1746.1	1769.8	1777.7	1787.9	1808.2	1822.9	1824.0	1825.2	1839.9
35°	1902.0	1908.7	1928.0	1948.3	1967.5	1966.3	1953.9	1961.9	1956.2	1963.0	1964.0
37.5°	2103.0	2094.0	2122.2	2168.5	2197.9	2189.9	2134.6	2098.4	2108.7	2104.1	2100.7
40°	2257.7	2267.9	2322.1	2383.1	2405.7	2430.6	2358.2	2296.2	2287.2	2270.2	2260.0
42.5°	2471.2	2472.3	2516.4	2561.6	2627.0	2681.2	2634.9	2545.7	2518.7	2498.3	2454.3
45°	2668.8	2665.5	2701.7	2757.0	2834.9	2912.8	2929.7	2832.6	2822.5	2786.3	2728.7
47.5°	2801.0	2796.5	2821.3	2893.6	3020.1	3147.8	3217.7	3188.4	3169.2	3154.5	3064.1
50°	2890.3	2881.1	2909.4	2986.2	3127.4	3323.9	3506.9	3531.7	3523.8	3523.8	3466.2
52.5°	2956.9	2956.9	2977.2	3039.3	3182.7	3427.9	3755.3	3880.7	3890.9	3902.2	3898.8
55°	2919.6	2925.3	2976.1	3066.4	3217.7	3500.1	3960.9	4235.3	4291.8	4339.3	4393.5
57.5°	2791.9	2811.2	2879.0	3026.8	3226.8	3554.3	4189.1	4732.3	4891.6	5029.3	5243.9
60°	2605.6	2630.5	2728.7	2917.3	3160.2	3466.2	4269.2	5152.4	5405.5	5705.9	6266.1
62.5°	2286.0	2310.8	2406.8	2595.4	2803.2	3128.5	3937.2	5214.6	5619.0	6044.8	6891.8
65°	1619.6	1580.1	1690.8	1860.2	2098.4	2413.6	3181.7	4797.8	5379.5	5956.7	7002.5
67.5°	902.4	899.1	966.8	1093.3	1321.5	1660.3	2192.2	3679.7	4215.0	4869.0	6153.2
70°	622.3	629.1	672.0	808.7	997.3	1289.8	1562.0	2310.8	2696.0	3139.8	4402.5
72.5°	437.1	451.8	475.4	556.8	749.9	1086.5	1595.9	1381.3	1573.3	1876.0	2647.4
75°	256.4	266.5	283.5	323.0	426.9	726.2	1652.3	1214.1	1214.1	1285.3	1601.6
77.5°	158.1	158.1	168.3	184.1	227.0	355.8	1176.9	1364.4	1325.9	1285.3	1288.7
80°	81.3	86.9	101.7	109.5	126.5	162.6	528.6	1272.8	1396.0	1478.4	1420.8
82.5°	37.3	41.8	62.1	66.6	73.4	85.8	181.9	723.9	970.2	1277.4	1595.9
85°	19.2	19.2	32.7	40.6	44.0	39.5	66.6	292.5	442.7	675.4	1057.2
87.5°	3.4	3.4	5.6	6.7	10.2	9.0	11.3	16.9	28.2	30.5	31.6
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°	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9
2.5°	1058.2	1059.4	1058.2	1057.2	1054.9	1054.9	1054.9	1053.8	1053.8	1053.8	1052.6
5°	1088.8	1084.2	1085.4	1083.1	1082.0	1080.8	1082.0	1079.7	1077.5	1078.7	1077.5
7.5°	1127.2	1124.9	1120.4	1120.4	1119.3	1117.0	1117.0	1113.6	1112.5	1110.3	1109.1
10°	1170.1	1164.5	1166.7	1164.5	1165.6	1161.0	1158.8	1156.6	1154.3	1154.3	1155.4
12.5°	1214.1	1213.1	1209.6	1207.4	1207.4	1203.9	1205.1	1203.9	1200.6	1199.5	1196.1
15°	1259.3	1259.3	1256.0	1257.1	1256.0	1253.7	1251.4	1251.4	1249.1	1246.9	1248.0
17.5°	1312.4	1312.4	1312.4	1312.4	1313.6	1310.2	1311.3	1309.0	1306.7	1311.3	1311.3
20°	1381.3	1385.8	1385.8	1384.7	1390.4	1386.9	1385.8	1391.5	1385.8	1393.7	1392.6
22.5°	1460.3	1464.9	1464.9	1469.4	1470.6	1473.9	1476.2	1473.9	1478.4	1482.9	1482.9
25°	1548.5	1553.0	1556.4	1563.1	1566.5	1564.2	1565.4	1571.1	1573.3	1577.8	1582.4
27.5°	1641.0	1642.2	1646.7	1654.6	1660.3	1662.5	1663.6	1672.6	1673.8	1676.1	1680.6
30°	1731.4	1742.7	1740.4	1750.7	1754.0	1757.4	1764.1	1767.6	1775.4	1780.0	1780.0
32.5°	1837.6	1835.3	1844.4	1852.2	1857.9	1863.5	1869.2	1873.8	1878.2	1880.5	1891.8
35°	1969.7	1974.3	1974.3	1975.3	1988.9	1990.1	1994.6	2004.8	2008.1	2014.9	2019.4
37.5°	2100.7	2092.8	2091.7	2091.7	2087.2	2090.6	2091.7	2092.8	2097.4	2098.4	2103.0
40°	2247.6	2237.4	2228.4	2222.7	2213.7	2201.2	2199.0	2193.4	2196.8	2195.6	2196.8
42.5°	2448.6	2420.4	2399.0	2383.1	2365.1	2351.5	2341.3	2326.6	2316.5	2304.0	2301.8
45°	2705.0	2651.9	2615.8	2589.7	2563.8	2526.5	2505.1	2482.5	2462.2	2441.9	2424.9
47.5°	3041.6	2985.1	2927.5	2880.1	2839.4	2779.6	2718.5	2684.7	2645.2	2610.2	2585.3
50°	3438.0	3370.3	3343.1	3276.5	3225.7	3135.3	3059.6	3004.2	2925.3	2872.1	2825.8
52.5°	3843.4	3826.5	3811.8	3755.3	3695.5	3643.5	3576.9	3479.8	3399.6	3338.7	3243.7
55°	4395.8	4403.6	4398.0	4367.6	4346.1	4296.4	4269.2	4184.6	4148.4	4060.3	3960.9
57.5°	5325.3	5388.5	5468.7	5500.3	5543.2	5502.6	5550.1	5607.7	5464.2	5513.9	5424.7
60°	6512.3	6802.6	6975.3	7187.7	7326.6	7520.9	7556.0	7606.7	7592.0	7620.3	7677.9
62.5°	7237.4	7581.9	7912.8	8153.4	8410.9	8553.2	8724.9	8844.6	8968.8	9052.4	9028.7
65°	7450.9	7805.5	8105.9	8369.1	8599.5	8773.5	8932.7	9082.9	9197.0	9277.2	9324.6
67.5°	6667.0	7130.2	7446.3	7754.7	8051.7	8234.7	8368.0	8513.7	8680.8	8819.8	8846.8
70°	5017.0	5711.5	6159.9	6529.2	6878.2	7124.5	7310.8	7446.3	7576.3	7675.6	7784.0
72.5°	3137.6	3745.2	4257.9	4736.9	5107.3	5446.1	5603.1	5903.5	5864.0	5939.7	6021.0
75°	1880.5	2176.4	2458.8	2796.5	2990.8	3273.1	3323.9	3373.6	3347.7	3262.9	3326.2
77.5°	1306.7	1355.3	1353.1	1333.9	1313.6	1263.8	1199.5	1164.5	1140.7	1106.8	1120.4
80°	1314.6	1209.6	1049.2	882.1	728.5	626.8	586.2	586.2	628.0	687.9	747.7
82.5°	1571.1	1459.3	1301.1	1088.8	862.9	702.5	595.2	552.3	560.2	621.1	698.0
85°	1059.4	1084.2	951.0	869.6	688.9	536.5	449.5	364.8	323.0	333.2	377.2
87.5°	38.4	46.3	16.9	22.6	15.9	13.6	13.6	14.7	10.2	12.4	11.3
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°	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9
2.5°	1051.5	1050.4	1050.4	1048.1	1048.1	1046.9	1046.9	1045.9	1044.8	1044.8	1043.6
5°	1076.4	1075.2	1073.0	1071.8	1069.5	1069.5	1068.4	1066.2	1066.2	1063.9	1062.8
7.5°	1111.4	1109.1	1106.8	1105.7	1104.6	1101.2	1101.2	1099.0	1099.0	1096.7	1095.5
10°	1153.2	1150.9	1148.6	1149.7	1146.4	1145.3	1143.0	1143.0	1139.6	1138.4	1138.4
12.5°	1198.3	1197.2	1197.2	1193.8	1192.6	1191.5	1187.0	1187.0	1187.0	1184.8	1185.9
15°	1246.9	1248.0	1244.7	1248.0	1246.9	1243.5	1243.5	1243.5	1239.0	1244.7	1240.1
17.5°	1312.4	1315.8	1313.6	1314.6	1312.4	1312.4	1313.6	1312.4	1314.6	1314.6	1321.5
20°	1393.7	1394.8	1400.5	1398.2	1398.2	1397.1	1399.4	1400.5	1405.0	1402.8	1407.3
22.5°	1482.9	1488.6	1489.7	1494.2	1494.2	1493.2	1495.3	1499.9	1502.2	1505.5	1504.5
25°	1584.6	1588.0	1592.5	1586.8	1595.9	1595.9	1598.1	1603.8	1605.0	1605.0	1612.8
27.5°	1679.5	1688.5	1689.6	1695.2	1691.9	1694.2	1702.1	1705.5	1709.9	1709.9	1712.2
30°	1786.7	1790.2	1792.4	1799.2	1798.0	1799.2	1800.3	1806.0	1806.0	1811.6	1817.3
32.5°	1897.4	1899.7	1902.0	1908.7	1911.0	1915.5	1913.3	1917.8	1923.4	1924.6	1928.0
35°	2029.6	2031.8	2034.1	2044.2	2045.4	2053.3	2055.5	2053.3	2062.4	2056.7	2062.4
37.5°	2106.4	2116.6	2118.9	2125.6	2123.3	2129.0	2132.3	2136.9	2139.2	2143.6	2152.7
40°	2200.1	2203.5	2210.3	2213.7	2218.2	2219.4	2223.8	2227.3	2230.7	2240.8	2251.0
42.5°	2296.2	2300.6	2304.0	2308.6	2314.2	2318.8	2322.1	2332.3	2334.5	2341.3	2360.5
45°	2412.4	2410.3	2411.3	2412.4	2414.7	2420.4	2430.6	2440.7	2447.5	2463.3	2479.1
47.5°	2557.0	2542.4	2536.7	2527.7	2529.9	2542.4	2544.7	2561.6	2575.1	2589.7	2609.0
50°	2776.2	2736.6	2712.8	2689.2	2686.9	2693.7	2702.7	2720.8	2736.6	2755.9	2782.9
52.5°	3144.4	3068.7	3021.2	2955.8	2937.6	2934.3	2927.5	2937.6	2942.2	2968.2	3019.0
55°	3889.7	3749.7	3659.4	3557.7	3462.8	3434.6	3380.4	3391.7	3380.4	3396.2	3471.9
57.5°	5446.1	5334.3	5246.2	5116.4	4953.7	4780.9	4737.9	4560.6	4595.6	4697.3	4631.8
60°	7706.1	7665.5	7602.2	7540.1	7317.6	7192.2	6987.8	6965.2	6821.8	6822.9	6729.1
62.5°	8971.1	9023.0	8984.7	8966.5	8954.2	8914.6	8813.0	8691.0	8508.0	8375.9	8181.7
65°	9332.5	9288.5	9246.6	9241.0	9237.6	9302.0	9316.7	9230.9	9064.9	8859.3	8635.6
67.5°	8911.2	8886.4	8888.6	8841.2	8870.6	8982.4	9060.3	9036.6	8884.1	8635.6	8351.0
70°	7908.3	7859.7	7909.4	7971.5	8015.5	8080.0	8157.9	8177.1	8038.1	7782.9	7492.6
72.5°	5921.7	5929.5	5977.0	5993.9	6171.2	6153.2	6223.2	5995.0	5894.5	5651.7	5502.6
75°	3116.1	3065.3	3197.4	2917.3	2802.2	2882.3	2657.5	2441.9	2487.0	2524.2	2255.4
77.5°	1101.2	1030.1	909.2	860.6	716.1	606.5	495.9	447.3	421.2	407.8	390.8
80°	790.6	813.2	788.4	729.6	620.1	497.0	391.9	309.4	265.4	241.7	225.9
82.5°	799.7	888.9	928.4	911.5	812.0	614.4	405.5	258.7	192.0	160.4	149.1
85°	429.2	469.8	451.8	380.6	342.2	204.5	140.0	93.8	79.1	72.3	66.6
87.5°	16.9	13.6	11.3	11.3	12.4	13.6	11.3	12.4	11.3	11.3	11.3
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9	1037.9
2.5°	1041.3	1041.3	1041.3	1040.2	1037.9	1032.3	1026.6	1022.2	1018.8	1015.3	1010.9
5°	1061.7	1059.4	1059.4	1059.4	1050.4	1041.3	1033.5	1025.5	1018.8	1013.1	1008.6
7.5°	1095.5	1094.4	1089.9	1088.8	1082.0	1067.4	1058.2	1044.8	1036.8	1028.9	1026.6
10°	1136.2	1135.1	1134.0	1132.8	1123.8	1109.1	1097.8	1085.4	1074.1	1062.8	1051.5
12.5°	1183.6	1182.5	1181.3	1178.0	1174.6	1166.7	1154.3	1140.7	1127.2	1103.4	1091.0
15°	1242.4	1244.7	1242.4	1241.2	1239.0	1240.1	1232.2	1213.1	1191.5	1161.0	1135.1
17.5°	1320.3	1318.0	1316.9	1321.5	1320.3	1325.9	1323.7	1298.9	1266.1	1217.5	1172.3
20°	1406.1	1406.1	1410.7	1414.1	1424.2	1438.9	1432.1	1401.7	1341.8	1274.0	1215.2
22.5°	1508.9	1511.2	1515.8	1513.5	1529.2	1553.0	1555.2	1512.3	1434.4	1340.6	1258.2
25°	1616.3	1618.4	1614.0	1620.7	1646.7	1680.6	1687.4	1626.4	1523.6	1401.7	1294.3
27.5°	1717.8	1720.1	1720.1	1729.1	1754.0	1811.6	1818.3	1750.7	1614.0	1454.7	1320.3
30°	1817.3	1826.3	1828.6	1830.8	1868.1	1948.3	1963.0	1864.7	1693.1	1494.2	1338.3
32.5°	1942.6	1946.0	1950.6	1956.2	1999.1	2097.4	2097.4	1963.0	1743.8	1519.1	1341.8
35°	2077.0	2078.1	2088.3	2089.4	2150.5	2248.7	2229.5	2044.2	1780.0	1513.5	1316.9
37.5°	2158.3	2162.9	2173.1	2186.6	2251.0	2389.8	2345.8	2114.3	1786.7	1476.2	1260.4
40°	2258.9	2267.9	2278.0	2291.6	2387.7	2533.4	2444.1	2158.3	1758.5	1402.8	1175.8
42.5°	2367.3	2379.7	2395.5	2420.4	2534.4	2659.8	2518.7	2165.1	1694.2	1320.3	1075.2
45°	2489.2	2511.8	2529.9	2559.3	2688.1	2769.3	2563.8	2125.6	1612.8	1211.9	967.9
47.5°	2630.5	2648.5	2680.1	2711.8	2840.5	2843.9	2568.3	2048.8	1502.2	1103.4	853.9
50°	2804.4	2815.6	2863.1	2882.3	3003.2	2921.9	2535.5	1944.9	1385.8	981.5	727.4
52.5°	3036.0	3051.7	3112.7	3142.1	3227.9	3028.0	2489.2	1831.9	1252.5	844.8	597.5
55°	3493.4	3562.3	3605.2	3656.0	3711.3	3268.6	2468.9	1711.1	1102.3	686.7	473.3
57.5°	4777.5	4754.9	4849.7	4965.0	4963.8	3818.7	2590.9	1607.2	925.0	525.2	363.6
60°	6690.8	6712.2	6663.6	6732.5	6513.5	4500.8	2758.0	1497.6	725.1	390.8	277.8
62.5°	8112.7	7988.5	7919.6	7838.2	7356.0	4575.3	2636.1	1272.8	527.5	274.4	213.5
65°	8449.3	8303.6	8155.6	8000.9	7273.6	4124.7	2162.9	934.1	341.1	188.6	169.4
67.5°	8117.2	7883.4	7694.8	7535.5	6664.8	3418.8	1581.2	573.8	195.4	152.4	144.6
70°	7256.6	6997.9	6693.1	6514.6	5612.1	2519.8	1013.1	309.4	150.3	135.5	132.1
72.5°	5311.7	5099.4	4766.2	4561.8	4029.8	1531.5	565.8	173.9	140.0	129.8	125.4
75°	2069.1	1958.4	1819.5	1830.8	1634.3	677.6	256.4	150.3	136.7	127.7	123.1
77.5°	355.8	346.7	320.7	320.7	364.8	247.4	170.6	151.3	135.5	125.4	117.5
80°	213.5	208.9	198.8	196.5	189.7	173.9	163.7	153.6	133.3	118.5	108.4
82.5°	140.0	134.4	131.0	129.8	141.1	152.4	153.6	152.4	126.5	102.8	88.1
85°	59.9	59.9	59.9	61.0	81.3	123.1	126.5	135.5	103.9	80.2	63.2
87.5°	10.2	12.4	12.4	13.6	14.7	27.2	33.9	44.0	35.0	33.9	30.5
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):

	165°	175°	180°
0°	1037.9	1037.9	1037.9
2.5°	1009.7	1007.5	1007.5
5°	1006.3	1004.0	1005.2
7.5°	1019.9	1015.3	1016.5
10°	1044.8	1040.2	1037.9
12.5°	1076.4	1070.7	1070.7
15°	1109.1	1095.5	1094.4
17.5°	1136.2	1119.3	1117.0
20°	1166.7	1144.1	1140.7
22.5°	1194.9	1164.5	1159.9
25°	1215.2	1178.0	1172.3
27.5°	1224.4	1180.2	1175.8
30°	1231.1	1181.3	1174.6
32.5°	1224.4	1171.2	1165.6
35°	1187.0	1129.4	1126.0
37.5°	1122.7	1058.2	1053.8
40°	1037.9	970.2	958.9
42.5°	929.5	866.3	853.9
45°	824.5	752.2	746.5
47.5°	711.5	642.7	646.0
50°	593.0	530.9	529.7
52.5°	480.0	425.8	422.4
55°	378.3	340.0	336.6
57.5°	299.3	279.0	275.5
60°	243.9	233.8	230.4
62.5°	196.5	193.2	192.0
65°	163.7	163.7	163.7
67.5°	142.3	143.4	143.4
70°	131.0	132.1	131.0
72.5°	126.5	129.8	129.8
75°	123.1	125.4	120.8
77.5°	120.8	122.0	114.1
80°	119.7	118.5	103.9
82.5°	103.9	100.5	88.1
85°	94.9	72.3	61.0
87.5°	48.6	33.9	26.0
90°	0.0	0.0	0.0

(END OF REPORT)