

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: STREETWORKS

Report Number: P158219

Luminaire Tested: **VST-E04-LED-E-U-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158219
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33712)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-E04-LED-E-U-SL2-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (84) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10992.2 lumens
Efficiency: N/A
Efficacy: 113.1 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: 28.75 FT



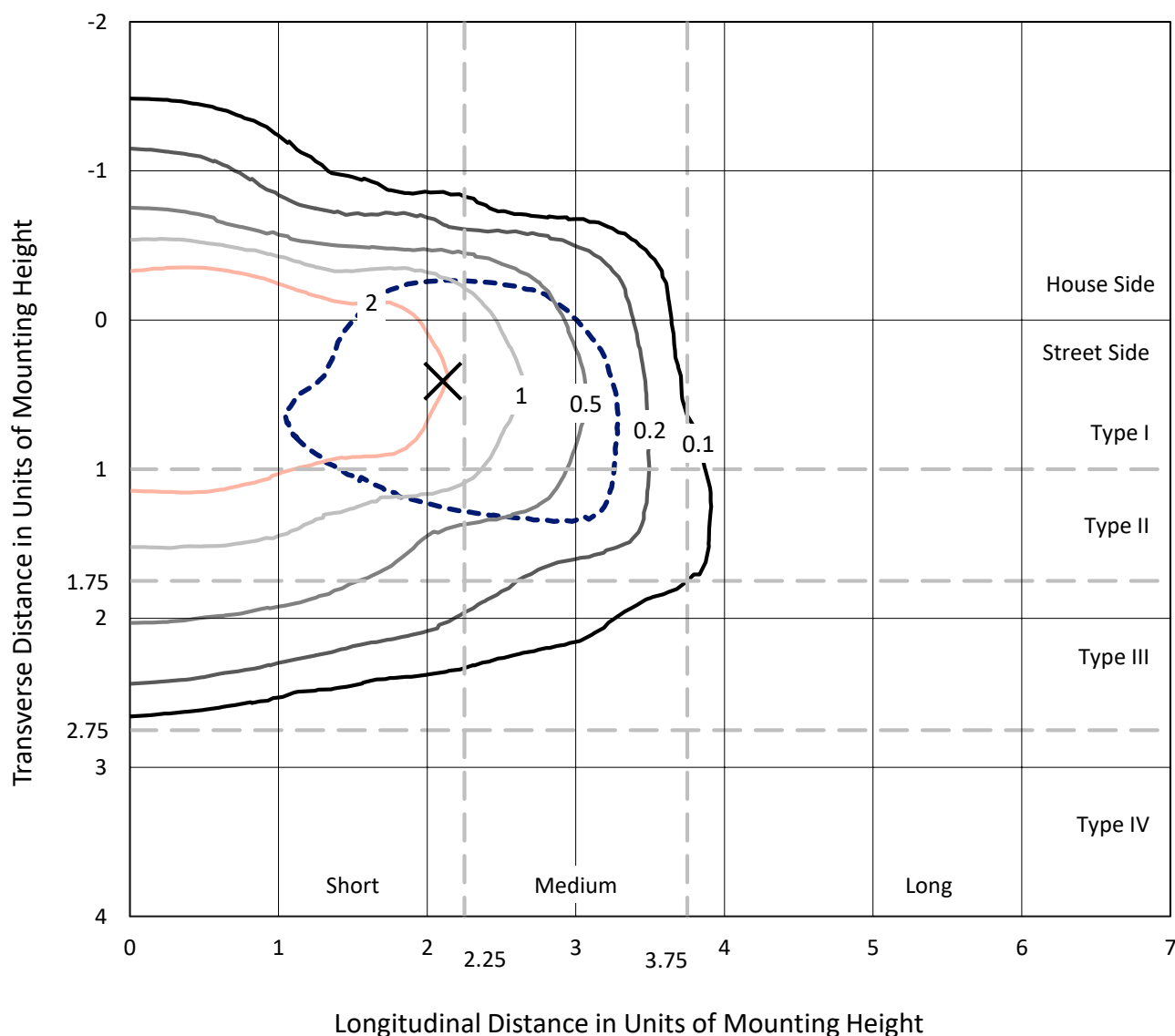
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

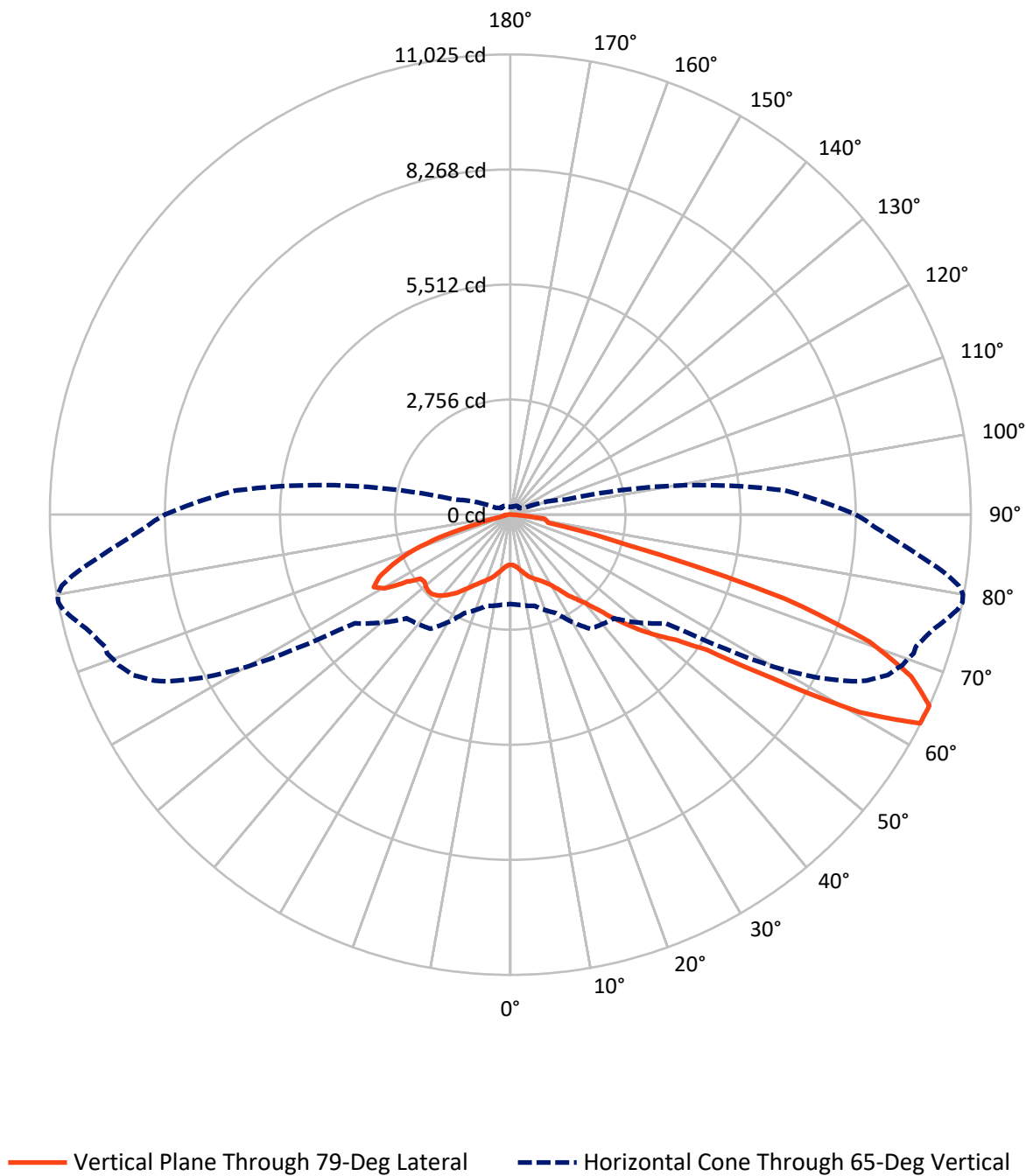


Based on 20 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2525.8	0.0	2525.8
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	8466.4	0.0	8466.4
	% Fixture	77.0	0.0	77.0
Total	Lumens	10992.2	0.0	10992.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.0	1.1
10°-20°	386.5	3.5
20°-30°	666.2	6.1
30°-40°	1091.3	9.9
40°-50°	1827.5	16.6
50°-60°	2472.0	22.5
60°-70°	3044.2	27.7
70°-80°	1178.4	10.7
80°-90°	207.2	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°	10992.2	100.0
0°-180°	10992.2	100.0

Coefficient of Utilization



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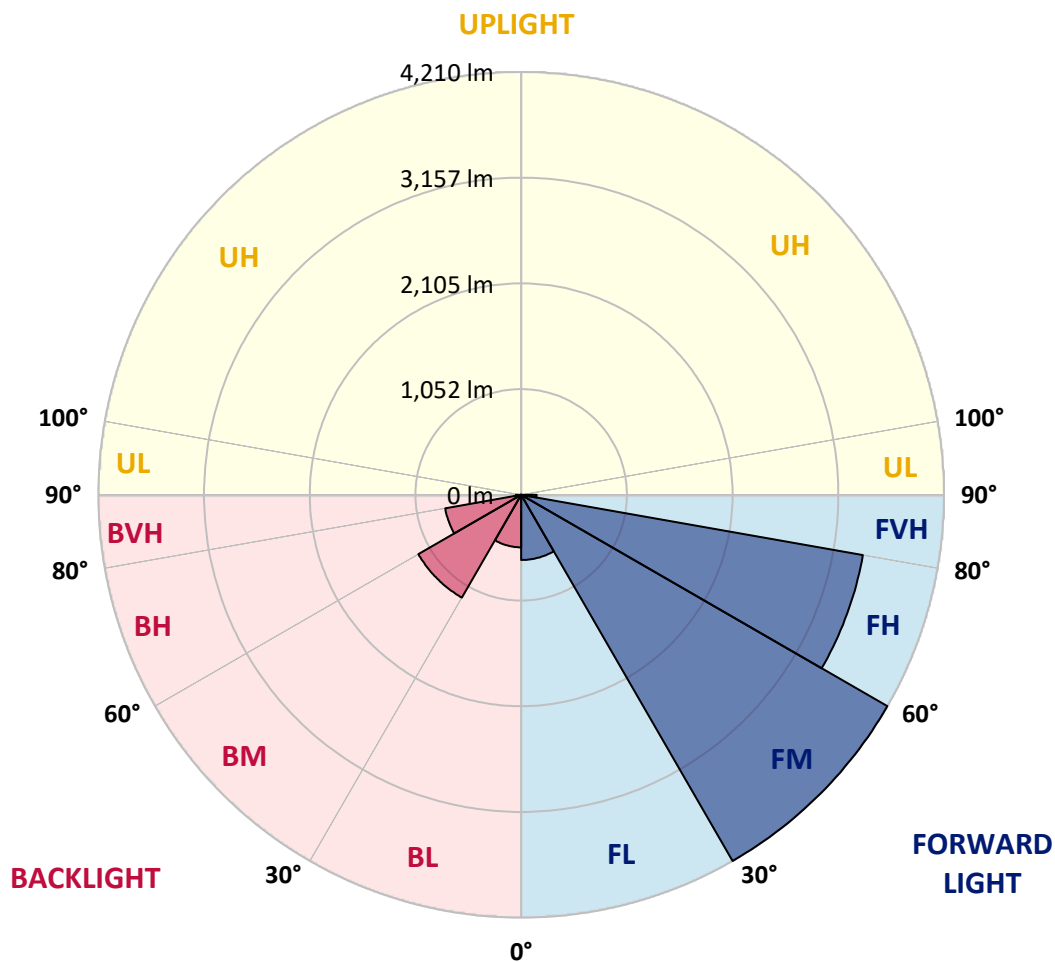
CATALOG NUMBER: VST-E04-LED-E-U-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	649.0	5.9			
FM	(30°-60°)	4209.5	38.3			
FH	(60°-80°)	3454.1	31.4			G2/5000
FVH	(80°-90°)	153.8	1.4			G2/225
BL	(0°-30°)	522.7	4.8	B2/1000		
BM	(30°-60°)	1181.2	10.7	B2/2500		
BH	(60°-80°)	768.4	7.0	B2/1000		G2/1000
BVH	(80°-90°)	53.5	0.5			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°	56°	57°	58°	59°
0°	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7
2.5°	1204.9	1201.2	1204.9	1207.8	1210.0	1212.9	1212.2	1211.5	1210.7	1211.5	1211.5
5°	1215.1	1214.4	1218.0	1221.0	1226.1	1229.7	1234.1	1234.1	1234.1	1233.4	1234.8
7.5°	1248.0	1247.3	1250.9	1253.8	1258.2	1265.5	1271.4	1274.3	1273.6	1273.6	1273.6
10°	1302.1	1299.1	1299.1	1299.1	1305.0	1310.1	1323.3	1324.7	1327.6	1326.2	1326.9
12.5°	1354.7	1355.4	1353.2	1351.0	1351.8	1362.0	1381.0	1384.6	1385.4	1387.6	1389.0
15°	1402.2	1401.4	1396.3	1391.2	1397.8	1415.3	1440.2	1446.7	1446.7	1451.1	1454.1
17.5°	1446.0	1444.6	1435.1	1426.3	1432.9	1462.8	1501.5	1505.9	1512.5	1514.7	1517.6
20°	1497.9	1495.0	1484.0	1460.6	1460.6	1501.5	1552.7	1557.1	1562.9	1564.4	1569.5
22.5°	1570.2	1562.9	1539.5	1497.2	1485.5	1533.0	1595.8	1598.0	1602.4	1608.2	1612.6
25°	1652.1	1653.5	1615.5	1541.7	1516.2	1565.8	1637.5	1641.1	1649.1	1653.5	1658.6
27.5°	1736.8	1739.0	1696.6	1604.6	1561.5	1611.2	1693.7	1698.1	1707.6	1712.7	1720.8
30°	1833.3	1836.2	1795.3	1702.5	1636.7	1677.6	1777.0	1788.7	1796.7	1803.3	1816.5
32.5°	2064.9	2047.4	2018.9	1920.2	1816.5	1813.5	1911.5	1924.6	1935.6	1949.5	1961.9
35°	2356.4	2367.4	2382.0	2315.5	2224.2	2157.7	2165.7	2158.4	2168.7	2189.1	2201.5
37.5°	2587.3	2611.5	2675.0	2718.1	2714.5	2701.3	2578.6	2578.6	2585.1	2574.2	2572.7
40°	2768.5	2783.9	2914.0	3081.3	3222.3	3291.7	3194.5	3180.7	3188.0	3131.7	3133.9
42.5°	2862.1	2884.7	3071.8	3365.5	3645.4	3868.2	3838.3	3828.8	3806.8	3793.0	3784.2
45°	2909.6	2936.6	3159.5	3562.8	3970.5	4314.7	4469.6	4468.1	4448.4	4432.3	4425.0
47.5°	2885.5	2908.8	3146.3	3622.7	4141.5	4602.6	4945.2	4966.4	4960.6	4984.0	4993.5
50°	2727.6	2757.6	2995.8	3493.4	4069.9	4715.8	5274.8	5314.2	5367.6	5401.2	5445.8
52.5°	2585.1	2610.0	2824.8	3283.7	3834.6	4623.7	5473.5	5554.6	5627.7	5696.4	5749.7
55°	2436.1	2460.9	2649.4	3065.9	3597.1	4351.9	5564.1	5682.5	5796.5	5912.7	6019.3
57.5°	2379.8	2406.1	2546.4	2897.1	3402.8	4082.3	5608.7	5803.1	5988.7	6185.9	6390.5
60°	2526.0	2549.3	2656.0	2901.5	3254.4	3812.7	5518.8	5824.3	6143.6	6468.7	6782.9
62.5°	2481.4	2493.8	2626.8	3007.5	3443.7	3546.7	5129.4	5532.7	5996.7	6473.1	6954.6
65°	2140.9	2165.0	2265.1	2599.8	3337.7	3510.9	4536.1	4941.6	5488.9	6052.2	6697.4
67.5°	1535.9	1502.3	1579.7	1872.7	2589.5	3505.1	3868.2	4168.5	4597.4	5029.3	5558.3
70°	697.8	681.7	742.4	974.0	1562.2	2770.0	3270.5	3372.1	3531.4	3822.2	4179.5
72.5°	275.5	274.7	314.2	402.6	738.7	1782.9	2750.3	2808.7	2865.0	2991.4	3145.6
75°	180.5	180.5	192.2	217.0	363.9	860.7	2326.5	2379.8	2466.0	2501.8	2567.6
77.5°	135.9	136.6	141.8	147.6	200.9	453.0	1641.8	1831.1	1977.2	2086.1	2165.7
80°	96.4	100.8	110.3	114.0	130.8	257.9	928.0	1064.6	1229.7	1405.8	1627.2
82.5°	72.3	77.5	93.5	97.9	103.8	146.9	418.7	474.9	554.6	719.0	1033.9
85°	33.6	37.3	64.3	70.1	75.3	84.8	212.6	237.5	269.6	295.2	344.2
87.5°	5.1	3.7	11.0	15.3	24.1	24.8	73.1	87.0	94.3	113.3	117.6
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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CATALOG NUMBER: VST-E04-LED-E-U-SL2-7030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7
2.5°	1211.5	1212.2	1212.9	1211.5	1212.2	1212.2	1210.7	1210.0	1210.0	1210.0	1210.7
5°	1234.8	1236.3	1234.8	1235.6	1238.5	1237.8	1236.3	1235.6	1238.5	1239.2	1237.0
7.5°	1276.5	1277.2	1274.3	1278.0	1279.4	1280.2	1280.2	1281.6	1281.6	1283.8	1281.6
10°	1329.8	1329.8	1335.0	1334.2	1335.0	1336.4	1337.1	1340.1	1342.3	1342.3	1343.7
12.5°	1391.2	1391.9	1397.1	1397.8	1400.7	1401.4	1405.8	1402.9	1410.2	1410.2	1412.4
15°	1454.8	1459.9	1460.6	1467.9	1469.4	1470.1	1476.0	1476.0	1481.1	1481.8	1483.3
17.5°	1517.6	1522.0	1524.9	1530.8	1535.9	1538.1	1540.3	1544.7	1548.3	1549.8	1553.4
20°	1571.7	1576.1	1579.0	1584.8	1589.2	1592.9	1595.1	1600.2	1603.8	1605.3	1610.4
22.5°	1617.0	1619.9	1625.0	1633.1	1634.5	1638.9	1645.5	1649.1	1650.6	1655.0	1660.8
25°	1665.2	1669.6	1672.5	1679.8	1685.7	1693.0	1698.8	1704.7	1706.1	1712.0	1717.1
27.5°	1729.5	1733.9	1734.6	1749.2	1755.1	1765.3	1771.9	1780.7	1785.1	1790.2	1800.4
30°	1824.5	1834.7	1839.1	1855.9	1858.9	1870.5	1882.2	1885.2	1891.7	1892.5	1909.3
32.5°	1969.9	1984.5	1990.4	2007.9	2012.3	2023.3	2029.8	2045.2	2045.9	2053.2	2056.9
35°	2208.1	2204.5	2227.1	2231.5	2244.6	2254.1	2260.7	2260.7	2274.6	2275.3	2279.7
37.5°	2533.3	2526.0	2531.8	2505.5	2512.1	2500.4	2498.2	2501.1	2495.3	2496.7	2496.0
40°	3053.5	3020.6	2986.3	2905.2	2887.6	2854.0	2827.7	2806.5	2786.1	2764.2	2749.5
42.5°	3706.0	3658.5	3607.4	3477.3	3416.7	3351.6	3288.1	3251.5	3178.5	3133.9	3109.8
45°	4389.9	4334.4	4262.8	4154.6	4068.4	3999.0	3882.8	3828.0	3714.8	3658.5	3582.5
47.5°	4950.4	4951.1	4893.4	4783.8	4691.7	4645.7	4573.3	4467.4	4338.8	4266.4	4131.3
50°	5440.6	5439.9	5436.3	5370.5	5306.2	5255.8	5192.2	5096.5	4991.3	4909.4	4754.5
52.5°	5803.1	5851.3	5871.7	5871.0	5863.0	5839.6	5791.4	5708.8	5602.1	5556.1	5432.6
55°	6102.6	6207.9	6262.7	6382.5	6393.5	6432.2	6389.8	6390.5	6327.7	6332.1	6292.6
57.5°	6556.4	6748.6	6858.9	7124.1	7257.1	7417.9	7389.4	7523.8	7572.8	7634.9	7717.4
60°	7071.5	7430.3	7691.9	8219.4	8434.2	8694.4	8837.6	8990.3	9101.4	9215.3	9299.4
62.5°	7439.8	7911.1	8340.7	9092.6	9371.7	9645.7	9826.2	10011.1	10136.0	10217.8	10278.5
65°	7289.3	7810.2	8318.1	9106.5	9410.4	9609.2	9824.0	9930.7	10055.6	10123.6	10210.5
67.5°	6194.0	6716.4	7260.8	8190.9	8508.8	8783.5	8950.8	9088.9	9189.8	9276.0	9376.1
70°	4606.2	5177.6	5740.2	6760.3	7161.4	7558.2	7755.4	7926.4	8031.6	8118.6	8228.9
72.5°	3315.1	3673.1	4024.6	5166.6	5567.8	6080.7	6285.3	6475.3	6611.9	6607.5	6724.5
75°	2639.2	2784.6	2941.0	3530.6	3818.5	4251.1	4365.8	4472.5	4408.2	4284.7	4277.4
77.5°	2197.2	2257.1	2309.7	2494.5	2536.9	2639.9	2583.0	2523.8	2333.1	2172.3	2087.6
80°	1783.6	1902.0	1979.4	2110.9	2165.0	2195.7	2203.7	2183.3	2113.1	2015.9	1861.0
82.5°	1326.2	1551.2	1704.7	1963.3	2058.3	2078.1	2116.1	2092.7	2046.6	1967.7	1856.7
85°	388.7	439.9	504.2	683.9	801.6	901.7	1004.0	1054.4	1085.8	1042.0	927.2
87.5°	136.6	154.2	172.4	237.5	252.8	305.4	299.6	353.6	355.8	371.2	355.1
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7
2.5°	1210.0	1210.0	1210.0	1210.7	1210.7	1210.7	1209.3	1208.5	1209.3	1210.7	1210.7
5°	1238.5	1239.2	1240.7	1237.8	1238.5	1240.7	1239.2	1238.5	1239.2	1240.7	1239.2
7.5°	1284.5	1285.3	1283.8	1286.7	1286.7	1288.2	1290.4	1288.2	1288.9	1289.7	1290.4
10°	1344.5	1345.2	1346.6	1348.8	1349.6	1351.0	1352.5	1354.7	1354.7	1353.2	1356.9
12.5°	1416.1	1415.3	1416.8	1419.7	1421.2	1423.4	1427.7	1427.7	1430.7	1429.9	1433.6
15°	1486.2	1489.9	1490.6	1495.7	1497.9	1501.5	1506.7	1509.6	1509.6	1514.0	1515.4
17.5°	1556.3	1559.3	1562.2	1566.6	1569.5	1571.7	1577.5	1581.2	1580.5	1588.5	1588.5
20°	1610.4	1616.3	1619.9	1622.8	1628.0	1631.6	1636.0	1640.4	1643.3	1648.4	1649.9
22.5°	1663.0	1666.7	1671.8	1675.4	1681.3	1685.7	1690.8	1694.4	1699.6	1706.1	1708.3
25°	1721.5	1727.3	1733.2	1738.3	1742.7	1747.8	1756.6	1764.6	1771.9	1777.7	1779.9
27.5°	1802.6	1809.2	1817.9	1821.6	1828.2	1832.5	1845.7	1855.9	1859.6	1869.8	1872.7
30°	1912.2	1919.5	1928.3	1932.6	1944.3	1950.2	1964.1	1975.0	1978.7	1991.1	1993.3
32.5°	2070.7	2075.1	2092.7	2091.9	2108.0	2124.8	2132.9	2141.6	2157.7	2164.3	2166.5
35°	2290.7	2300.9	2313.3	2312.6	2333.1	2342.6	2358.6	2368.1	2379.8	2379.1	2391.5
37.5°	2503.3	2507.0	2511.3	2520.8	2535.5	2548.6	2554.5	2564.0	2572.7	2585.9	2602.0
40°	2734.9	2743.7	2744.4	2749.5	2756.9	2773.7	2784.6	2794.9	2824.8	2843.8	2853.3
42.5°	3082.0	3079.8	3065.2	3074.7	3079.1	3104.7	3112.7	3144.1	3177.7	3217.9	3228.9
45°	3528.5	3499.2	3490.5	3486.8	3510.2	3523.3	3556.2	3614.7	3649.7	3687.7	3706.0
47.5°	4077.9	3986.6	3943.5	3934.0	3958.1	4014.4	4025.3	4083.0	4129.1	4156.8	4175.1
50°	4628.1	4556.5	4465.9	4435.2	4428.7	4480.5	4493.0	4541.2	4587.9	4596.0	4586.5
52.5°	5319.4	5202.4	5052.7	4998.6	4955.5	4959.1	4969.4	4989.8	5019.8	5007.4	4981.8
55°	6203.5	6070.5	5996.7	5894.4	5829.4	5817.7	5773.1	5711.7	5709.5	5717.6	5640.9
57.5°	7675.8	7620.3	7651.7	7640.7	7576.4	7615.1	7414.2	7357.2	7311.9	7233.0	7162.1
60°	9373.9	9430.9	9495.9	9645.7	9639.1	9789.7	9650.1	9615.0	9572.6	9329.3	9210.2
62.5°	10384.4	10407.1	10502.8	10642.4	10779.7	10923.7	10988.7	11011.4	10922.9	10724.2	10475.8
65°	10208.3	10308.4	10401.2	10521.8	10662.8	10806.8	10944.1	11024.5	11004.0	10872.5	10599.2
67.5°	9408.2	9513.5	9649.4	9775.8	9927.8	10052.7	10203.2	10350.8	10355.2	10289.4	10099.5
70°	8240.6	8362.6	8502.9	8573.8	8738.2	8851.5	8976.4	9122.5	9170.0	9178.1	8956.7
72.5°	6699.6	6750.8	6819.4	6782.2	6815.1	6887.4	6853.8	6865.5	6685.0	6718.6	6445.3
75°	4080.1	4033.4	3825.8	3636.6	3405.7	3228.1	3270.5	2931.5	2597.6	2580.8	2339.6
77.5°	2069.3	1994.8	1866.2	1732.4	1536.6	1312.3	1125.2	923.6	753.3	656.2	563.4
80°	1762.4	1709.8	1638.9	1541.7	1399.3	1233.4	1038.3	884.9	742.4	594.0	475.7
82.5°	1686.4	1525.7	1422.6	1341.5	1187.4	1033.9	927.2	822.0	721.2	629.8	499.1
85°	836.6	740.2	626.2	555.3	427.4	334.7	313.5	257.9	240.4	185.6	156.4
87.5°	281.3	230.2	171.7	144.7	115.4	94.3	92.8	82.6	81.8	74.5	68.7
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7
2.5°	1210.0	1211.5	1211.5	1210.0	1210.7	1209.3	1210.0	1210.7	1208.5	1207.8	1205.6
5°	1240.0	1239.2	1239.2	1240.0	1242.2	1242.9	1239.2	1240.7	1241.4	1237.8	1229.7
7.5°	1289.7	1289.7	1291.8	1291.1	1295.5	1294.0	1293.3	1293.3	1293.3	1286.0	1272.8
10°	1356.9	1356.9	1359.1	1362.0	1362.7	1361.3	1361.3	1362.0	1365.6	1351.0	1330.6
12.5°	1432.1	1435.8	1435.1	1435.1	1443.8	1441.6	1438.7	1441.6	1445.3	1424.8	1395.6
15°	1516.2	1518.4	1519.8	1524.9	1523.5	1528.6	1530.0	1528.6	1532.2	1505.9	1457.0
17.5°	1592.2	1596.5	1598.0	1603.8	1603.8	1604.6	1610.4	1608.2	1609.0	1579.0	1508.9
20°	1655.0	1659.4	1661.6	1668.1	1669.6	1672.5	1674.7	1676.2	1679.8	1644.0	1551.2
22.5°	1717.8	1721.5	1725.1	1729.5	1735.4	1739.0	1741.9	1743.4	1750.0	1708.3	1591.4
25°	1788.0	1796.0	1799.7	1807.0	1812.8	1818.7	1823.0	1823.8	1834.7	1782.9	1624.3
27.5°	1881.5	1892.5	1898.3	1910.0	1915.8	1921.7	1920.2	1929.0	1944.3	1868.3	1649.9
30°	2004.3	2018.1	2021.8	2033.5	2043.0	2048.8	2055.4	2062.7	2072.9	1963.3	1662.3
32.5°	2175.2	2196.4	2201.5	2208.1	2222.0	2232.2	2236.6	2248.3	2251.2	2053.2	1658.6
35°	2409.8	2400.3	2425.1	2431.0	2450.7	2458.7	2463.9	2479.2	2467.5	2151.1	1634.5
37.5°	2621.7	2618.8	2642.9	2656.0	2681.6	2675.8	2688.2	2698.4	2656.8	2220.5	1590.0
40°	2880.3	2876.7	2910.3	2914.7	2954.1	2945.4	2950.5	2958.5	2865.7	2268.8	1508.9
42.5°	3241.3	3242.8	3278.6	3282.9	3288.1	3304.1	3277.8	3279.3	3087.9	2281.9	1375.1
45°	3717.0	3742.5	3720.6	3721.4	3719.9	3689.2	3656.3	3617.6	3318.7	2236.6	1202.7
47.5°	4178.0	4160.5	4132.7	4107.2	4086.0	4037.7	3989.5	3923.8	3518.2	2129.2	1010.5
50°	4572.6	4533.1	4508.3	4437.4	4387.0	4324.2	4256.9	4181.7	3681.9	1974.3	830.8
52.5°	4939.4	4898.5	4805.7	4731.9	4659.5	4576.3	4498.1	4409.7	3826.6	1797.5	693.4
55°	5548.8	5513.0	5420.2	5285.0	5195.9	5081.2	4978.1	4858.3	4119.6	1654.3	602.8
57.5°	6967.0	6936.3	6741.3	6655.8	6538.1	6250.2	6207.9	6020.8	4905.1	1637.5	549.5
60°	8964.0	8832.5	8670.3	8436.4	8161.0	8066.0	7854.1	7604.9	6169.1	1683.5	506.4
62.5°	10190.1	9890.5	9652.3	9382.7	9129.1	8911.4	8679.8	8433.5	6815.8	1622.8	453.0
65°	10282.1	9929.9	9615.0	9298.6	9013.7	8742.6	8517.5	8271.3	6605.3	1394.9	383.6
67.5°	9775.0	9403.9	9060.4	8701.7	8413.8	8169.0	7882.6	7645.8	6012.0	1085.8	319.3
70°	8729.4	8403.6	8107.6	7721.1	7482.2	7184.0	7002.1	6706.2	5240.4	740.2	263.8
72.5°	6287.5	6042.0	5945.5	5675.9	5363.2	5187.8	5103.8	4816.6	3872.6	459.6	215.6
75°	2124.1	2184.7	2045.9	1833.3	1937.0	1777.0	1842.0	1705.4	1638.2	263.8	181.2
77.5°	471.3	442.8	409.2	380.0	377.8	355.1	376.3	355.8	380.7	168.1	160.0
80°	371.9	293.7	249.9	228.0	216.3	209.7	204.6	198.7	181.2	143.2	147.6
82.5°	401.9	303.2	222.1	177.6	152.0	142.5	140.3	134.4	133.0	138.8	149.1
85°	128.6	107.4	91.3	86.2	79.6	76.0	74.5	72.3	87.7	151.3	143.2
87.5°	67.2	59.2	52.6	50.4	43.8	40.9	40.2	40.9	61.4	151.3	103.8
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):

	125°	135°	145°	155°	165°	175°	180°
0°	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7	1202.7
2.5°	1203.4	1202.7	1201.2	1200.5	1199.8	1196.1	1199.0
5°	1226.1	1218.8	1212.2	1204.2	1199.8	1196.1	1196.1
7.5°	1260.4	1240.0	1223.2	1204.9	1192.5	1183.0	1181.5
10°	1303.5	1264.1	1225.4	1192.5	1169.1	1151.6	1149.4
12.5°	1344.5	1284.5	1223.2	1169.1	1132.6	1107.7	1106.2
15°	1382.4	1295.5	1206.4	1126.7	1071.9	1039.0	1035.4
17.5°	1412.4	1288.9	1168.4	1067.5	993.0	954.3	952.1
20°	1419.0	1262.6	1114.3	994.5	915.5	874.6	865.1
22.5°	1413.1	1215.1	1047.1	914.1	823.5	782.6	777.4
25°	1395.6	1157.4	963.8	820.6	736.5	694.9	684.6
27.5°	1364.2	1089.4	873.9	729.9	646.7	606.5	596.2
30°	1317.4	1007.6	778.2	645.2	559.0	526.8	516.6
32.5°	1252.4	908.2	683.9	558.2	486.6	461.1	456.7
35°	1162.5	794.2	585.3	486.6	434.0	418.7	416.5
37.5°	1047.8	680.3	502.7	435.5	397.5	388.0	386.5
40°	898.0	563.4	444.3	399.0	371.2	363.1	361.7
42.5°	743.8	475.7	401.1	369.7	347.1	339.8	337.6
45°	608.7	416.5	369.0	345.6	324.4	316.4	315.7
47.5°	507.8	382.1	342.7	323.7	302.5	293.0	293.7
50°	434.0	350.7	320.8	304.7	280.6	271.8	272.5
52.5°	383.6	319.3	300.3	282.0	261.6	252.8	252.8
55°	344.2	293.7	280.6	260.9	244.8	236.7	236.0
57.5°	312.0	273.3	261.6	245.5	229.4	219.9	219.9
60°	292.3	258.7	249.2	234.5	215.6	205.3	204.6
62.5°	280.6	254.3	246.2	225.8	204.6	194.4	192.2
65°	271.8	264.5	254.3	220.7	195.8	184.9	182.7
67.5°	272.5	288.6	274.0	223.6	192.9	176.8	173.9
70°	276.9	307.6	287.9	230.2	205.3	173.2	166.6
72.5°	255.0	278.4	259.4	219.2	200.2	166.6	158.6
75°	212.6	203.1	186.3	178.3	179.7	151.3	148.3
77.5°	172.4	151.3	135.2	141.8	151.3	129.3	126.4
80°	149.8	122.8	114.7	125.7	137.4	110.3	103.0
82.5°	140.3	103.8	98.6	130.8	143.9	95.0	83.3
85°	123.5	84.8	77.5	154.2	143.9	71.6	66.5
87.5°	82.6	50.4	48.2	113.3	98.6	49.7	40.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)