

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: P154790

Luminaire Tested: **AVS-E03-LED-E-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154790
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E03-LED-E-U-T2
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9191.6 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

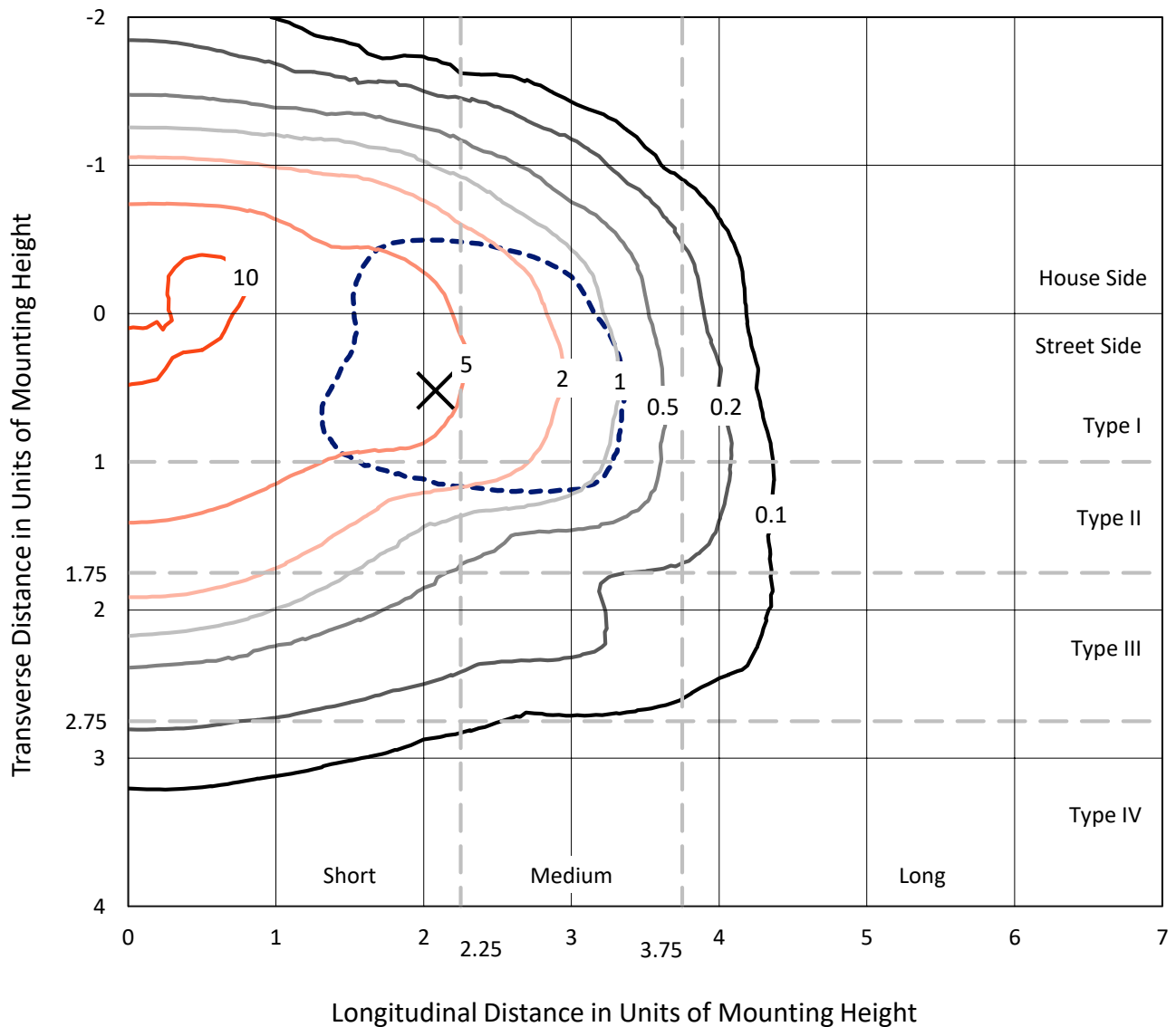
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

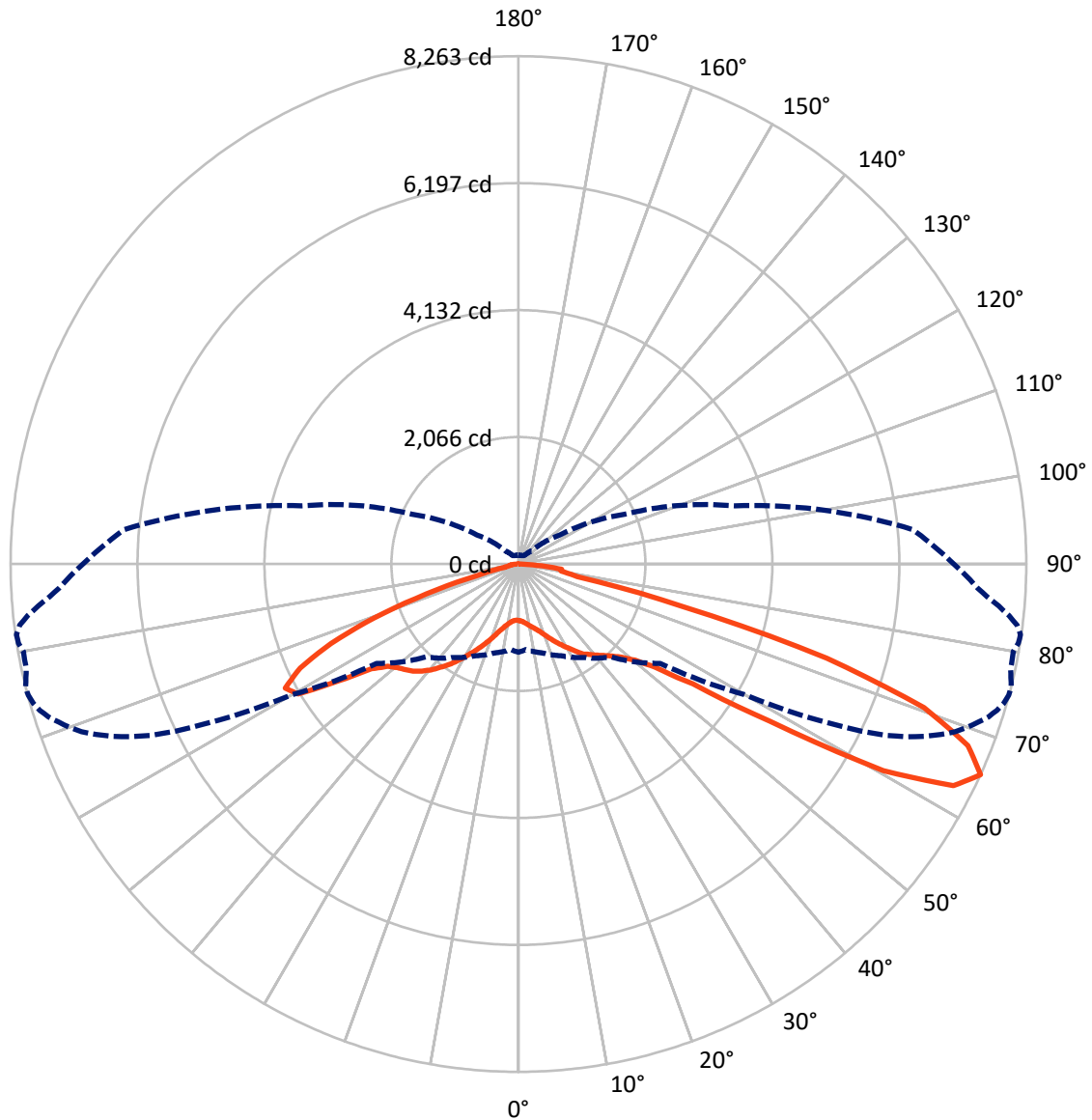
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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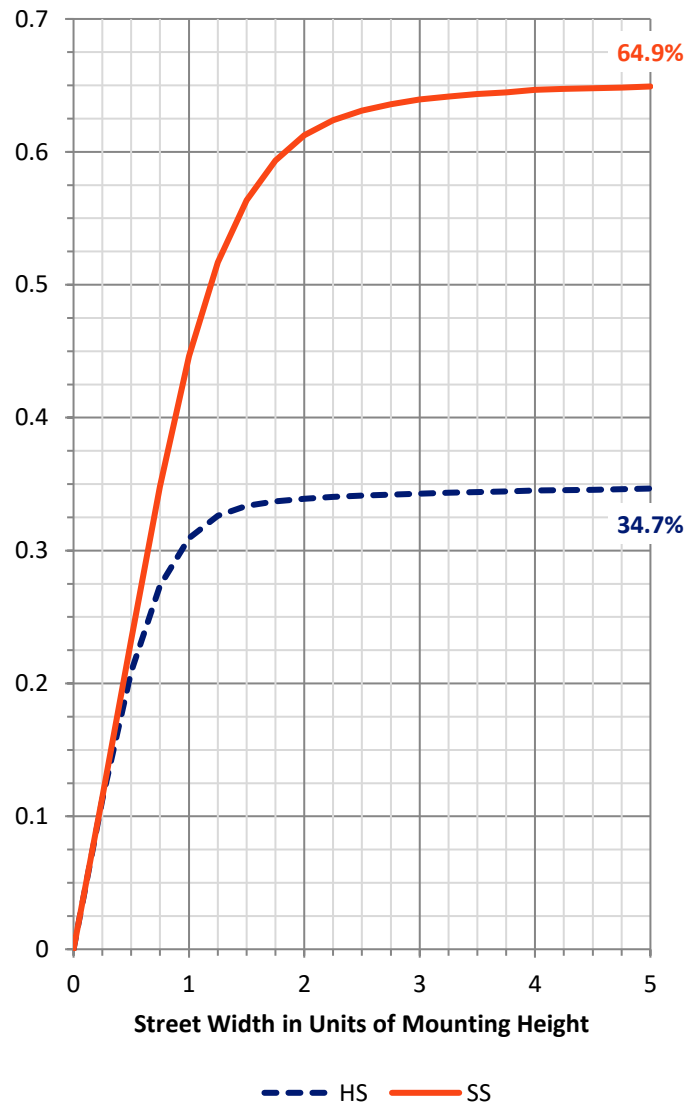
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3218.6	0.0	3218.6
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	5972.9	0.0	5972.9
	% Fixture	65.0	0.0	65.0
Total	Lumens	9191.6	0.0	9191.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.0	1.0
10°-20°	316.1	3.4
20°-30°	621.0	6.8
30°-40°	1031.8	11.2
40°-50°	1516.2	16.5
50°-60°	2099.1	22.8
60°-70°	2505.5	27.3
70°-80°	886.1	9.6
80°-90°	123.8	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°	9191.6	100.0
0°-180°	9191.6	100.0

Coefficient of Utilization



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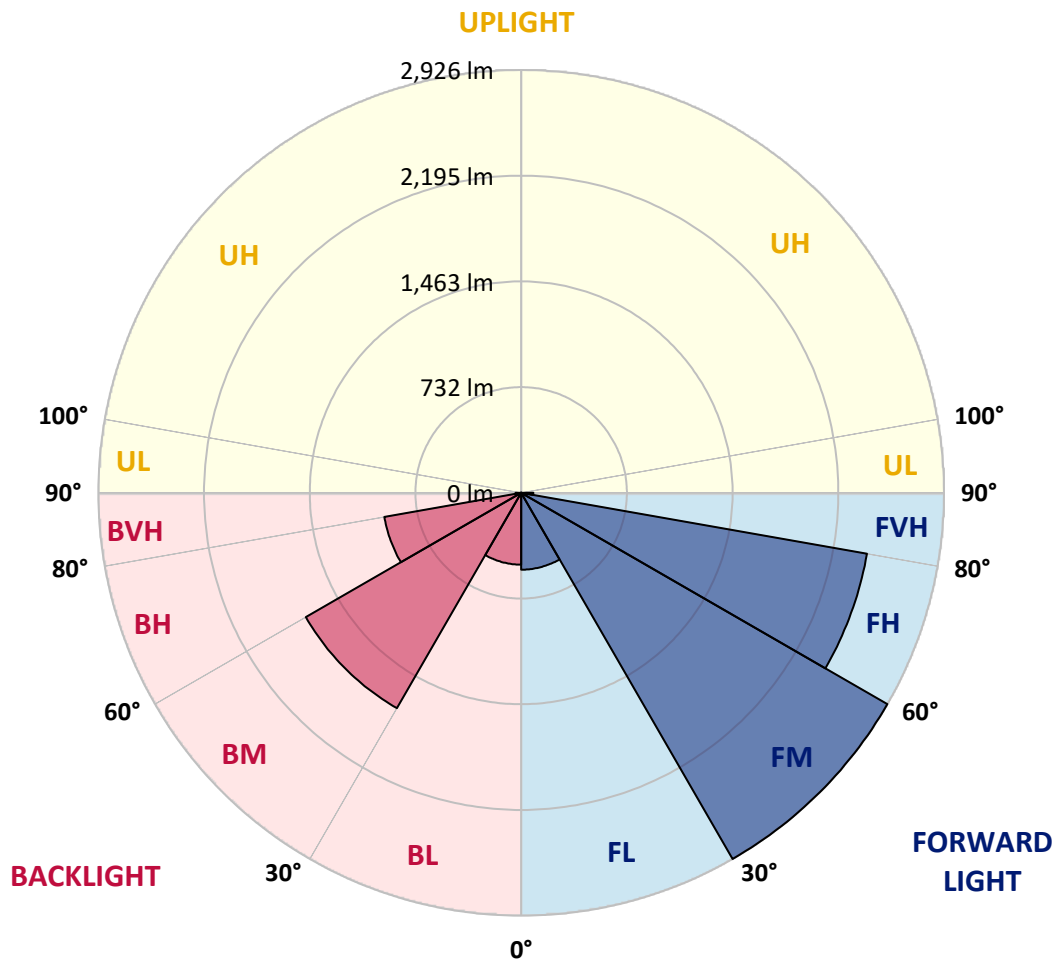
CATALOG NUMBER: AVS-E03-LED-E-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	531.8	5.8			
FM (30°-60°)	2926.3	31.8			
FH (60°-80°)	2430.1	26.4			G2/5000
FVH (80°-90°)	84.6	0.9			G1/100
BL (0°-30°)	497.3	5.4	B1/500		
BM (30°-60°)	1720.8	18.7	B2/2500		
BH (60°-80°)	961.4	10.5	B2/1000		G2/1000
BVH (80°-90°)	39.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0
2.5°	959.0	960.0	958.0	957.0	954.0	949.0	945.0	941.0	941.0	941.0	938.0
5°	1001.0	1003.0	999.0	996.0	987.0	982.0	975.0	969.9	968.0	967.0	964.0
7.5°	1054.0	1051.0	1045.0	1043.0	1036.0	1025.0	1012.0	1002.0	1002.0	1001.0	1002.0
10°	1107.0	1099.0	1096.0	1093.0	1082.0	1068.0	1053.0	1042.0	1041.0	1040.0	1037.0
12.5°	1160.0	1157.0	1154.0	1143.0	1132.0	1109.9	1093.0	1082.0	1081.0	1082.0	1078.0
15°	1230.1	1223.0	1220.0	1201.0	1177.0	1153.0	1132.0	1122.0	1119.0	1120.0	1117.0
17.5°	1284.0	1284.0	1277.0	1256.0	1225.0	1192.0	1169.9	1164.0	1163.0	1163.0	1164.0
20°	1327.0	1326.0	1319.0	1302.0	1265.0	1232.0	1221.0	1219.0	1218.0	1218.0	1221.0
22.5°	1351.0	1349.0	1346.0	1327.0	1298.0	1276.0	1277.0	1283.0	1285.0	1287.0	1291.0
25°	1363.0	1360.0	1359.0	1346.0	1325.0	1322.0	1340.0	1356.0	1360.0	1364.0	1369.0
27.5°	1383.0	1378.0	1380.0	1375.0	1369.9	1379.0	1416.0	1433.0	1436.0	1441.0	1444.0
30°	1438.0	1436.0	1444.0	1446.0	1449.9	1463.0	1497.0	1513.0	1520.0	1520.0	1534.0
32.5°	1543.0	1544.0	1546.0	1567.0	1574.0	1583.0	1601.0	1614.0	1615.0	1616.0	1629.0
35°	1684.0	1689.9	1707.0	1725.0	1742.0	1741.0	1729.9	1737.0	1732.0	1738.0	1739.0
37.5°	1862.0	1854.0	1879.0	1920.0	1946.0	1939.0	1889.9	1858.0	1867.0	1863.0	1860.0
40°	1999.0	2008.0	2056.0	2110.1	2129.9	2152.0	2088.0	2033.0	2025.0	2009.9	2001.0
42.5°	2188.0	2189.0	2228.0	2268.0	2326.0	2374.0	2333.0	2254.0	2230.1	2212.0	2173.0
45°	2363.0	2360.0	2392.0	2441.0	2510.1	2579.0	2594.0	2508.0	2499.0	2467.0	2416.0
47.5°	2480.0	2476.0	2498.0	2562.0	2674.0	2787.0	2849.0	2823.0	2806.0	2793.0	2713.0
50°	2559.0	2551.0	2576.0	2644.0	2769.0	2943.0	3105.0	3127.0	3120.0	3120.0	3069.0
52.5°	2618.0	2618.0	2636.0	2691.0	2818.0	3035.0	3325.0	3436.0	3445.0	3455.0	3452.0
55°	2585.0	2590.1	2635.0	2715.0	2849.0	3099.0	3507.0	3750.1	3800.0	3842.0	3889.9
57.5°	2472.0	2489.0	2549.0	2680.0	2857.0	3147.0	3709.0	4190.1	4331.0	4453.0	4643.0
60°	2307.0	2329.0	2416.0	2583.0	2798.0	3069.0	3780.0	4562.0	4786.0	5052.0	5548.0
62.5°	2024.0	2046.0	2131.0	2298.0	2482.0	2769.9	3486.0	4617.0	4975.0	5352.0	6102.0
65°	1434.0	1399.0	1497.0	1647.0	1858.0	2137.0	2817.0	4248.0	4763.0	5274.0	6200.0
67.5°	799.0	796.0	856.0	968.0	1169.9	1470.1	1941.0	3258.0	3732.0	4311.0	5448.0
70°	551.0	557.0	595.0	716.0	883.0	1142.0	1383.0	2046.0	2387.0	2780.0	3898.0
72.5°	387.0	400.0	421.0	493.0	664.0	962.0	1413.0	1223.0	1393.0	1661.0	2344.0
75°	227.0	236.0	251.0	286.0	378.0	643.0	1463.0	1075.0	1075.0	1138.0	1418.0
77.5°	140.0	140.0	149.0	163.0	201.0	315.0	1042.0	1208.0	1174.0	1138.0	1141.0
80°	72.0	77.0	89.9	97.0	112.0	144.0	468.0	1127.0	1236.0	1309.0	1258.0
82.5°	33.0	37.0	55.0	59.0	65.0	76.0	161.0	641.0	859.0	1131.0	1413.0
85°	17.0	17.0	29.0	36.0	39.0	35.0	59.0	259.0	392.0	598.0	936.0
87.5°	3.0	3.0	5.0	6.0	9.0	8.0	9.9	15.0	25.0	27.0	28.0
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°	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0
2.5°	937.0	938.0	937.0	936.0	934.0	934.0	934.0	933.0	933.0	933.0	932.0
5°	964.0	960.0	961.0	959.0	958.0	957.0	958.0	956.0	954.0	955.0	954.0
7.5°	998.0	996.0	992.0	992.0	991.0	989.0	989.0	986.0	985.0	983.0	982.0
10°	1036.0	1031.0	1033.0	1031.0	1032.0	1028.0	1026.0	1024.0	1022.0	1022.0	1023.0
12.5°	1075.0	1074.0	1071.0	1069.0	1069.0	1066.0	1067.0	1066.0	1063.0	1062.0	1059.0
15°	1115.0	1115.0	1112.0	1113.0	1112.0	1109.9	1108.0	1108.0	1106.0	1104.0	1105.0
17.5°	1162.0	1162.0	1162.0	1162.0	1163.0	1160.0	1161.0	1159.0	1157.0	1161.0	1161.0
20°	1223.0	1227.0	1227.0	1226.0	1231.0	1228.0	1227.0	1232.0	1227.0	1234.0	1233.0
22.5°	1293.0	1297.0	1297.0	1301.0	1302.0	1305.0	1307.0	1305.0	1309.0	1313.0	1313.0
25°	1371.0	1375.0	1378.0	1384.0	1387.0	1385.0	1386.0	1391.0	1393.0	1397.0	1401.0
27.5°	1453.0	1454.0	1458.0	1465.0	1470.1	1472.0	1473.0	1481.0	1482.0	1484.0	1488.0
30°	1533.0	1543.0	1541.0	1550.1	1553.0	1556.0	1562.0	1565.0	1572.0	1576.0	1576.0
32.5°	1627.0	1625.0	1633.0	1640.0	1645.0	1649.9	1655.0	1659.0	1663.0	1665.0	1675.0
35°	1744.0	1748.0	1748.0	1749.0	1761.0	1762.0	1766.0	1775.0	1778.0	1784.0	1788.0
37.5°	1860.0	1853.0	1852.0	1852.0	1848.0	1851.0	1852.0	1853.0	1857.0	1858.0	1862.0
40°	1990.1	1981.0	1973.0	1968.0	1960.0	1949.0	1947.0	1942.0	1945.0	1944.0	1945.0
42.5°	2168.0	2143.0	2124.0	2110.1	2094.0	2082.0	2073.0	2060.0	2051.0	2040.0	2038.0
45°	2395.0	2348.0	2316.0	2293.0	2269.9	2237.0	2218.0	2198.0	2180.0	2162.0	2147.0
47.5°	2693.0	2643.0	2592.0	2550.1	2514.0	2461.0	2407.0	2377.0	2342.0	2311.0	2289.0
50°	3044.0	2984.0	2960.0	2901.0	2856.0	2776.0	2709.0	2660.0	2590.1	2543.0	2502.0
52.5°	3403.0	3388.0	3375.0	3325.0	3272.0	3226.0	3167.0	3081.0	3009.9	2956.0	2872.0
55°	3892.0	3899.0	3894.0	3867.0	3848.0	3804.0	3780.0	3705.0	3673.0	3595.0	3507.0
57.5°	4715.0	4771.0	4842.0	4870.1	4908.0	4872.0	4914.0	4965.0	4838.0	4882.0	4803.0
60°	5766.0	6023.0	6176.0	6364.0	6487.0	6659.0	6689.9	6735.0	6722.0	6747.0	6798.0
62.5°	6408.0	6713.0	7006.0	7219.0	7447.0	7573.0	7725.0	7831.0	7941.0	8015.0	7994.0
65°	6597.0	6911.0	7177.0	7409.9	7614.0	7768.0	7909.0	8042.0	8143.0	8214.0	8256.0
67.5°	5903.0	6313.0	6593.0	6866.0	7129.0	7291.0	7409.0	7538.0	7686.0	7809.0	7833.0
70°	4442.0	5057.0	5454.0	5781.0	6089.9	6308.0	6473.0	6593.0	6708.0	6796.0	6892.0
72.5°	2778.0	3316.0	3769.9	4194.0	4522.0	4822.0	4961.0	5227.0	5192.0	5259.0	5331.0
75°	1665.0	1927.0	2177.0	2476.0	2648.0	2898.0	2943.0	2987.0	2964.0	2889.0	2945.0
77.5°	1157.0	1200.0	1198.0	1181.0	1163.0	1119.0	1062.0	1031.0	1009.9	980.0	992.0
80°	1164.0	1071.0	929.0	781.0	645.0	555.0	519.0	519.0	556.0	609.0	662.0
82.5°	1391.0	1292.0	1152.0	964.0	764.0	622.0	527.0	489.0	496.0	550.1	618.0
85°	938.0	960.0	842.0	769.9	609.9	475.0	398.0	323.0	286.0	295.0	334.0
87.5°	34.0	41.0	15.0	20.0	14.0	12.0	12.0	13.0	9.0	11.0	9.9
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0
2.5°	931.0	929.9	929.9	928.0	928.0	927.0	927.0	926.0	925.0	925.0	924.0
5°	953.0	952.0	950.1	949.0	947.0	947.0	946.0	944.0	944.0	942.0	941.0
7.5°	984.0	982.0	980.0	979.0	978.0	975.0	975.0	973.0	973.0	971.0	969.9
10°	1021.0	1019.0	1017.0	1018.0	1015.0	1014.0	1012.0	1012.0	1009.0	1008.0	1008.0
12.5°	1061.0	1060.0	1060.0	1057.0	1056.0	1055.0	1051.0	1051.0	1051.0	1049.0	1049.9
15°	1104.0	1105.0	1102.0	1105.0	1104.0	1101.0	1101.0	1101.0	1097.0	1102.0	1098.0
17.5°	1162.0	1165.0	1163.0	1164.0	1162.0	1162.0	1163.0	1162.0	1164.0	1164.0	1169.9
20°	1234.0	1235.0	1240.0	1238.0	1238.0	1237.0	1239.0	1240.0	1244.0	1242.0	1246.0
22.5°	1313.0	1318.0	1319.0	1323.0	1323.0	1322.0	1324.0	1328.0	1329.9	1333.0	1332.0
25°	1403.0	1406.0	1409.9	1405.0	1413.0	1413.0	1415.0	1420.0	1421.0	1421.0	1428.0
27.5°	1487.0	1495.0	1496.0	1501.0	1498.0	1500.0	1507.0	1509.9	1514.0	1514.0	1516.0
30°	1582.0	1585.0	1587.0	1593.0	1592.0	1593.0	1594.0	1599.0	1599.0	1604.0	1609.0
32.5°	1680.0	1682.0	1684.0	1689.9	1692.0	1696.0	1694.0	1698.0	1703.0	1704.0	1707.0
35°	1797.0	1799.0	1801.0	1809.9	1811.0	1818.0	1820.0	1818.0	1826.0	1821.0	1826.0
37.5°	1865.0	1874.0	1876.0	1882.0	1880.0	1885.0	1888.0	1892.0	1894.0	1898.0	1906.0
40°	1948.0	1951.0	1957.0	1960.0	1964.0	1965.0	1969.0	1972.0	1975.0	1984.0	1993.0
42.5°	2033.0	2037.0	2040.0	2044.0	2049.0	2053.0	2056.0	2065.0	2067.0	2073.0	2089.9
45°	2136.0	2134.0	2135.0	2136.0	2138.0	2143.0	2152.0	2161.0	2167.0	2181.0	2195.0
47.5°	2264.0	2251.0	2246.0	2238.0	2240.0	2251.0	2253.0	2268.0	2280.0	2293.0	2310.1
50°	2458.0	2423.0	2402.0	2381.0	2379.0	2385.0	2393.0	2409.0	2423.0	2440.0	2464.0
52.5°	2784.0	2717.0	2675.0	2617.0	2601.0	2598.0	2592.0	2601.0	2605.0	2628.0	2673.0
55°	3444.0	3320.0	3240.0	3150.1	3066.0	3041.0	2993.0	3003.0	2993.0	3007.0	3074.0
57.5°	4822.0	4723.0	4645.0	4529.9	4386.0	4233.0	4195.0	4038.0	4069.0	4159.0	4101.0
60°	6823.0	6787.0	6731.0	6676.0	6479.0	6368.0	6187.0	6167.0	6040.0	6041.0	5958.0
62.5°	7943.0	7989.0	7955.0	7939.0	7928.0	7893.0	7803.0	7695.0	7533.0	7416.0	7244.0
65°	8263.0	8224.0	8187.0	8182.0	8179.0	8236.0	8249.0	8173.0	8026.0	7844.0	7646.0
67.5°	7889.9	7868.0	7870.1	7828.0	7854.0	7953.0	8022.0	8001.0	7866.0	7646.0	7394.0
70°	7002.0	6959.0	7003.0	7058.0	7097.0	7154.0	7223.0	7240.0	7117.0	6891.0	6634.0
72.5°	5243.0	5249.9	5292.0	5307.0	5464.0	5448.0	5510.1	5308.0	5219.0	5004.0	4872.0
75°	2759.0	2714.0	2831.0	2583.0	2481.0	2552.0	2353.0	2162.0	2202.0	2235.0	1997.0
77.5°	975.0	912.0	805.0	762.0	634.0	537.0	439.0	396.0	373.0	361.0	346.0
80°	700.0	720.0	698.0	646.0	549.0	440.0	347.0	274.0	235.0	214.0	200.0
82.5°	708.0	787.0	822.0	807.0	719.0	544.0	359.0	229.0	169.9	142.0	132.0
85°	380.0	416.0	400.0	337.0	303.0	181.0	124.0	83.0	70.1	64.0	59.0
87.5°	15.0	12.0	9.9	9.9	11.0	12.0	9.9	11.0	9.9	9.9	9.9
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0	919.0
2.5°	922.0	922.0	922.0	921.0	919.0	914.0	909.0	905.0	902.0	899.0	895.0
5°	940.0	938.0	938.0	938.0	929.9	922.0	915.0	908.0	902.0	897.0	893.0
7.5°	969.9	969.0	965.0	964.0	958.0	945.0	937.0	925.0	918.0	911.0	909.0
10°	1006.0	1005.0	1004.0	1003.0	995.0	982.0	972.0	961.0	951.0	941.0	931.0
12.5°	1048.0	1047.0	1046.0	1043.0	1040.0	1033.0	1022.0	1009.9	998.0	977.0	966.0
15°	1100.0	1102.0	1100.0	1099.0	1097.0	1098.0	1091.0	1074.0	1055.0	1028.0	1005.0
17.5°	1169.0	1167.0	1166.0	1169.9	1169.0	1174.0	1172.0	1150.1	1121.0	1078.0	1038.0
20°	1245.0	1245.0	1249.0	1252.0	1261.0	1274.0	1268.0	1241.0	1188.0	1128.0	1076.0
22.5°	1336.0	1338.0	1342.0	1340.0	1354.0	1375.0	1377.0	1339.0	1270.1	1187.0	1114.0
25°	1431.0	1433.0	1429.0	1435.0	1458.0	1488.0	1494.0	1440.0	1349.0	1241.0	1146.0
27.5°	1521.0	1523.0	1523.0	1531.0	1553.0	1604.0	1609.9	1550.1	1429.0	1288.0	1169.0
30°	1609.0	1617.0	1619.0	1621.0	1654.0	1725.0	1738.0	1651.0	1499.0	1323.0	1185.0
32.5°	1720.0	1723.0	1727.0	1732.0	1769.9	1857.0	1857.0	1738.0	1544.0	1345.0	1188.0
35°	1839.0	1840.0	1849.0	1849.9	1904.0	1991.0	1974.0	1809.9	1576.0	1340.0	1166.0
37.5°	1911.0	1915.0	1924.0	1936.0	1993.0	2116.0	2077.0	1872.0	1582.0	1307.0	1116.0
40°	2000.0	2008.0	2017.0	2029.0	2114.0	2243.0	2164.0	1911.0	1557.0	1242.0	1041.0
42.5°	2096.0	2107.0	2121.0	2143.0	2244.0	2355.0	2230.1	1917.0	1500.0	1169.0	952.0
45°	2204.0	2224.0	2240.0	2266.0	2380.0	2452.0	2269.9	1882.0	1428.0	1073.0	857.0
47.5°	2329.0	2345.0	2373.0	2401.0	2515.0	2518.0	2274.0	1814.0	1329.9	977.0	756.0
50°	2483.0	2493.0	2535.0	2552.0	2659.0	2587.0	2245.0	1722.0	1227.0	869.0	644.0
52.5°	2688.0	2702.0	2756.0	2782.0	2858.0	2681.0	2204.0	1622.0	1109.0	748.0	529.0
55°	3093.0	3154.0	3192.0	3237.0	3286.0	2894.0	2186.0	1515.0	976.0	608.0	419.0
57.5°	4230.1	4209.9	4294.0	4396.0	4395.0	3381.0	2294.0	1423.0	819.0	465.0	322.0
60°	5924.0	5943.0	5900.0	5961.0	5767.0	3985.0	2442.0	1326.0	642.0	346.0	246.0
62.5°	7183.0	7073.0	7012.0	6940.0	6513.0	4051.0	2334.0	1127.0	467.0	243.0	189.0
65°	7481.0	7352.0	7221.0	7084.0	6440.0	3652.0	1915.0	827.0	302.0	167.0	150.1
67.5°	7187.0	6980.0	6813.0	6672.0	5901.0	3027.0	1400.0	508.0	173.0	135.0	128.0
70°	6425.0	6196.0	5926.0	5768.0	4969.0	2231.0	897.0	274.0	133.0	120.0	117.0
72.5°	4703.0	4515.0	4220.0	4039.0	3568.0	1356.0	501.0	154.0	124.0	115.0	111.0
75°	1832.0	1734.0	1611.0	1621.0	1447.0	600.0	227.0	133.0	121.0	113.0	109.0
77.5°	315.0	307.0	284.0	284.0	323.0	219.0	151.0	134.0	120.0	111.0	104.0
80°	189.0	185.0	176.0	174.0	168.0	154.0	145.0	136.0	118.0	105.0	96.0
82.5°	124.0	119.0	116.0	115.0	125.0	135.0	136.0	135.0	112.0	91.0	78.0
85°	53.0	53.0	53.0	54.0	72.0	109.0	112.0	120.0	92.0	71.0	56.0
87.5°	9.0	11.0	11.0	12.0	13.0	24.0	30.1	39.0	31.0	30.1	27.0
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°	919.0	919.0	919.0
2.5°	894.0	892.0	892.0
5°	891.0	889.0	889.9
7.5°	903.0	899.0	900.0
10°	925.0	921.0	919.0
12.5°	953.0	948.0	948.0
15°	982.0	969.9	969.0
17.5°	1006.0	991.0	989.0
20°	1033.0	1013.0	1009.9
22.5°	1058.0	1031.0	1027.0
25°	1076.0	1043.0	1038.0
27.5°	1084.0	1045.0	1041.0
30°	1089.9	1046.0	1040.0
32.5°	1084.0	1037.0	1032.0
35°	1051.0	1000.0	997.0
37.5°	994.0	937.0	933.0
40°	919.0	859.0	849.0
42.5°	823.0	767.0	756.0
45°	729.9	666.0	661.0
47.5°	629.9	569.0	572.0
50°	525.0	470.1	469.0
52.5°	425.0	377.0	374.0
55°	335.0	301.0	298.0
57.5°	265.0	247.0	244.0
60°	216.0	207.0	204.0
62.5°	174.0	171.0	169.9
65°	145.0	145.0	145.0
67.5°	126.0	127.0	127.0
70°	116.0	117.0	116.0
72.5°	112.0	115.0	115.0
75°	109.0	111.0	107.0
77.5°	107.0	108.0	101.0
80°	106.0	105.0	92.0
82.5°	92.0	89.0	78.0
85°	84.0	64.0	54.0
87.5°	43.0	30.1	23.0
90°	0.0	0.0	0.0

(END OF REPORT)