

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: McGRAW-EDISON

Report Number: P158101

Luminaire Tested: **VTS-E03-LED-E1-SL2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158101
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: MCGRAW-EDISON
Catalog Number: VTS-E03-LED-E1-SL2-7050
Description: VENTUS LED SITE LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

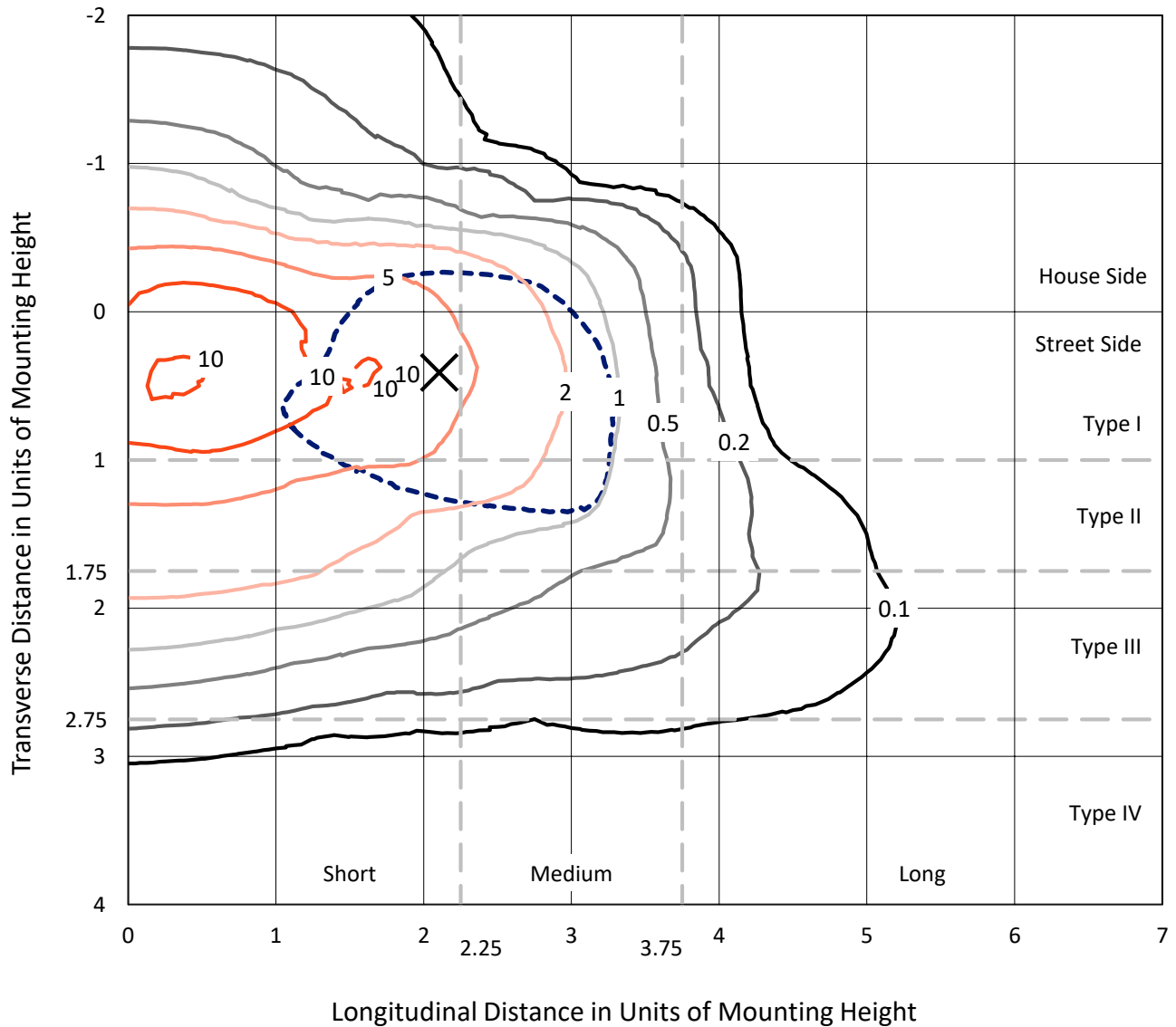
Lumens per Lamp: N/A
Luminaire Lumens: 9261.9 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): 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

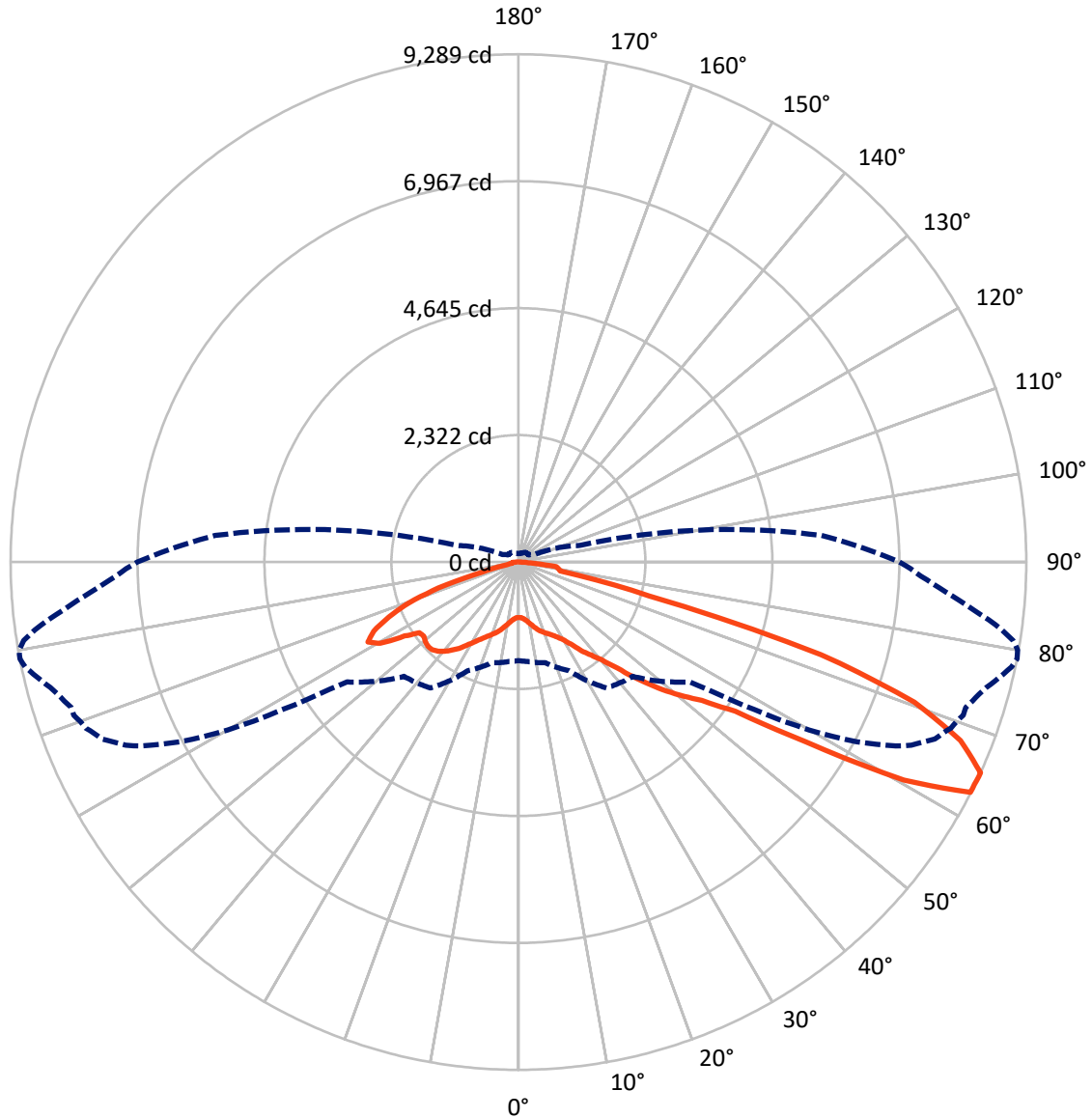
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2128.2	0.0	2128.2
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	7133.7	0.0	7133.7
	% Fixture	77.0	0.0	77.0
Total	Lumens	9261.9	0.0	9261.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	1.1
10°-20°	325.6	3.5
20°-30°	561.4	6.1
30°-40°	919.5	9.9
40°-50°	1539.8	16.6
50°-60°	2082.8	22.5
60°-70°	2565.0	27.7
70°-80°	992.9	10.7
80°-90°	174.6	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°	9261.9	100.0
0°-180°	9261.9	100.0



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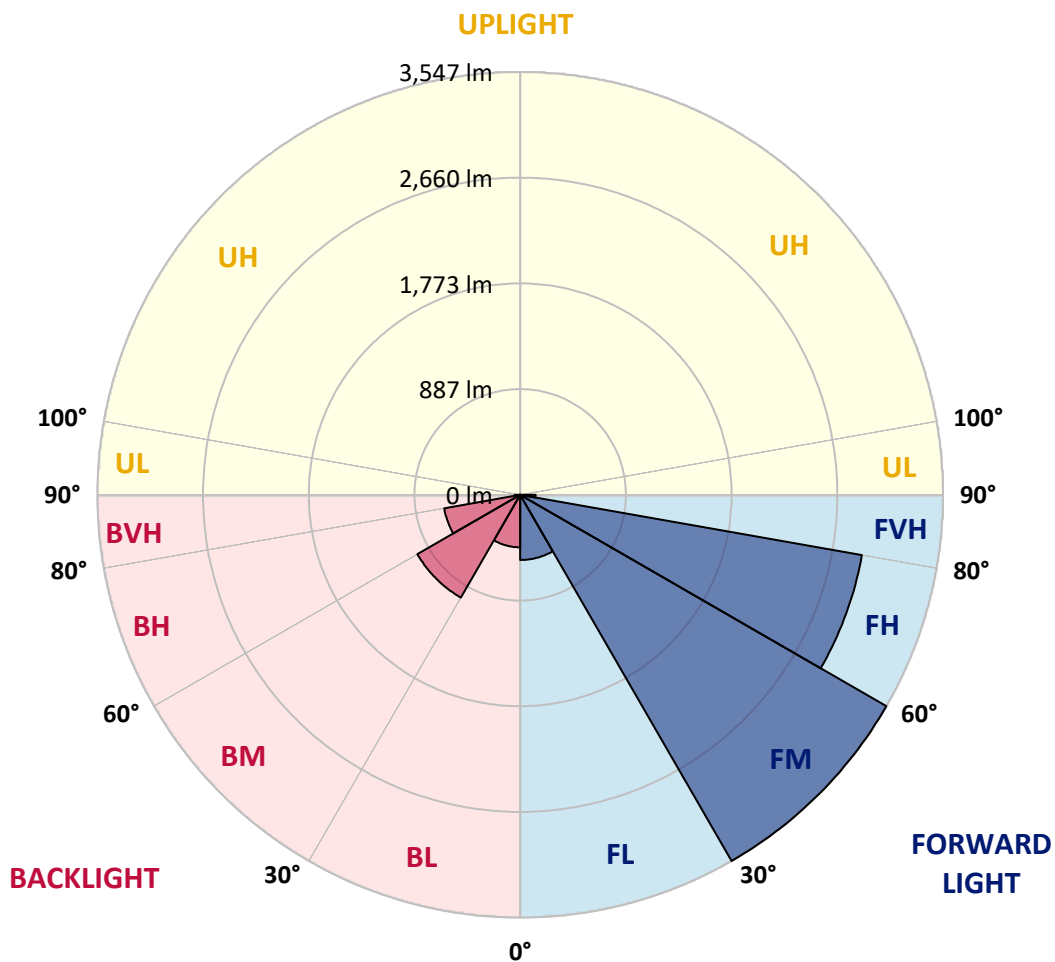
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	546.8	5.9			
FM (30°-60°)	3546.9	38.3			
FH (60°-80°)	2910.4	31.4			G2/5000
FVH (80°-90°)	129.6	1.4			G2/225
BL (0°-30°)	440.4	4.8	B1/500		
BM (30°-60°)	995.2	10.7	B1/1000		
BH (60°-80°)	647.5	7.0	B2/1000		G2/1000
BVH (80°-90°)	45.0	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°	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4
2.5°	1015.2	1012.2	1015.2	1017.7	1019.5	1022.0	1021.4	1020.8	1020.2	1020.8	1020.8
5°	1023.8	1023.2	1026.3	1028.8	1033.1	1036.2	1039.9	1039.9	1039.9	1039.2	1040.5
7.5°	1051.6	1050.9	1054.0	1056.5	1060.2	1066.3	1071.3	1073.7	1073.1	1073.1	1073.1
10°	1097.1	1094.6	1094.6	1094.6	1099.6	1103.9	1115.0	1116.2	1118.7	1117.4	1118.0
12.5°	1141.4	1142.1	1140.2	1138.4	1139.0	1147.6	1163.6	1166.7	1167.3	1169.1	1170.4
15°	1181.5	1180.8	1176.5	1172.2	1177.8	1192.5	1213.5	1219.0	1219.0	1222.7	1225.2
17.5°	1218.4	1217.2	1209.2	1201.8	1207.3	1232.6	1265.2	1268.9	1274.4	1276.3	1278.7
20°	1262.1	1259.6	1250.4	1230.7	1230.7	1265.2	1308.3	1312.0	1316.9	1318.1	1322.4
22.5°	1323.1	1316.9	1297.2	1261.5	1251.6	1291.7	1344.6	1346.5	1350.1	1355.1	1358.8
25°	1392.0	1393.2	1361.2	1299.0	1277.5	1319.4	1379.7	1382.8	1389.6	1393.2	1397.6
27.5°	1463.4	1465.3	1429.6	1352.0	1315.7	1357.5	1427.1	1430.8	1438.8	1443.1	1449.9
30°	1544.7	1547.2	1512.7	1434.5	1379.1	1413.6	1497.3	1507.1	1513.9	1519.5	1530.5
32.5°	1739.9	1725.1	1701.1	1618.0	1530.5	1528.1	1610.6	1621.7	1630.9	1642.6	1653.1
35°	1985.5	1994.7	2007.1	1951.0	1874.1	1818.1	1824.8	1818.7	1827.3	1844.5	1855.0
37.5°	2180.1	2200.4	2253.9	2290.3	2287.2	2276.1	2172.7	2172.7	2178.2	2169.0	2167.8
40°	2332.7	2345.7	2455.3	2596.3	2715.1	2773.6	2691.7	2680.0	2686.1	2638.7	2640.6
42.5°	2411.6	2430.6	2588.2	2835.7	3071.5	3259.3	3234.1	3226.1	3207.6	3195.9	3188.5
45°	2451.6	2474.4	2662.1	3002.0	3345.5	3635.5	3766.0	3764.8	3748.2	3734.6	3728.5
47.5°	2431.3	2451.0	2651.0	3052.5	3489.6	3878.1	4166.8	4184.7	4179.7	4199.4	4207.4
50°	2298.3	2323.5	2524.2	2943.5	3429.2	3973.5	4444.5	4477.7	4522.7	4551.0	4588.5
52.5°	2178.2	2199.1	2380.2	2766.8	3231.0	3895.9	4611.9	4680.3	4741.8	4799.7	4844.7
55°	2052.6	2073.6	2232.4	2583.3	3030.9	3666.9	4688.3	4788.0	4884.1	4981.9	5071.8
57.5°	2005.2	2027.4	2145.6	2441.1	2867.1	3439.7	4725.8	4889.6	5046.0	5212.2	5384.6
60°	2128.3	2148.0	2237.9	2444.8	2742.2	3212.5	4650.1	4907.5	5176.5	5450.5	5715.2
62.5°	2090.8	2101.3	2213.3	2534.1	2901.6	2988.4	4322.0	4661.8	5052.7	5454.2	5859.9
65°	1803.9	1824.2	1908.6	2190.5	2812.3	2958.3	3822.0	4163.7	4624.9	5099.5	5643.2
67.5°	1294.1	1265.8	1331.1	1577.9	2181.9	2953.3	3259.3	3512.4	3873.8	4237.6	4683.4
70°	588.0	574.4	625.5	820.7	1316.3	2334.0	2755.7	2841.3	2975.5	3220.5	3521.6
72.5°	232.1	231.5	264.7	339.2	622.4	1502.2	2317.4	2366.6	2414.0	2520.5	2650.4
75°	152.1	152.1	161.9	182.9	306.6	725.3	1960.3	2005.2	2077.9	2108.0	2163.4
77.5°	114.5	115.1	119.4	124.4	169.3	381.7	1383.4	1542.9	1666.0	1757.7	1824.8
80°	81.3	85.0	93.0	96.0	110.2	217.3	781.9	897.0	1036.2	1184.5	1371.1
82.5°	61.0	65.3	78.8	82.5	87.4	123.7	352.8	400.2	467.3	605.8	871.2
85°	28.3	31.4	54.2	59.1	63.4	71.4	179.2	200.1	227.2	248.7	290.0
87.5°	4.3	3.1	9.2	12.9	20.3	20.9	61.6	73.3	79.4	95.4	99.1
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4
2.5°	1020.8	1021.4	1022.0	1020.8	1021.4	1021.4	1020.2	1019.5	1019.5	1019.5	1020.2
5°	1040.5	1041.7	1040.5	1041.1	1043.5	1042.9	1041.7	1041.1	1043.5	1044.2	1042.3
7.5°	1075.6	1076.2	1073.7	1076.8	1078.0	1078.6	1078.6	1079.9	1079.9	1081.7	1079.9
10°	1120.5	1120.5	1124.8	1124.2	1124.8	1126.0	1126.7	1129.1	1131.0	1131.0	1132.2
12.5°	1172.2	1172.8	1177.1	1177.8	1180.2	1180.8	1184.5	1182.1	1188.2	1188.2	1190.1
15°	1225.8	1230.1	1230.7	1236.9	1238.1	1238.7	1243.6	1243.6	1247.9	1248.6	1249.8
17.5°	1278.7	1282.4	1284.9	1289.8	1294.1	1296.0	1297.8	1301.5	1304.6	1305.8	1308.9
20°	1324.3	1328.0	1330.4	1335.4	1339.1	1342.1	1344.0	1348.3	1351.4	1352.6	1356.9
22.5°	1362.5	1364.9	1369.2	1376.0	1377.2	1380.9	1386.5	1389.6	1390.8	1394.5	1399.4
25°	1403.1	1406.8	1409.3	1415.4	1420.3	1426.5	1431.4	1436.3	1437.6	1442.5	1446.8
27.5°	1457.3	1461.0	1461.6	1473.9	1478.8	1487.4	1493.0	1500.4	1504.1	1508.4	1517.0
30°	1537.3	1545.9	1549.6	1563.8	1566.2	1576.1	1585.9	1588.4	1594.0	1594.6	1608.7
32.5°	1659.8	1672.1	1677.1	1691.8	1695.5	1704.8	1710.3	1723.2	1723.9	1730.0	1733.1
35°	1860.5	1857.5	1876.5	1880.2	1891.3	1899.3	1904.9	1904.9	1916.6	1917.2	1920.9
37.5°	2134.5	2128.3	2133.3	2111.1	2116.7	2106.8	2105.0	2107.4	2102.5	2103.7	2103.1
40°	2572.9	2545.2	2516.2	2447.9	2433.1	2404.8	2382.6	2364.8	2347.5	2329.1	2316.7
42.5°	3122.6	3082.6	3039.5	2929.9	2878.8	2824.0	2770.5	2739.7	2678.1	2640.6	2620.3
45°	3698.9	3652.1	3591.8	3500.7	3428.0	3369.5	3271.6	3225.5	3130.0	3082.6	3018.6
47.5°	4171.1	4171.7	4123.1	4030.7	3953.2	3914.4	3853.4	3764.2	3655.8	3594.9	3481.0
50°	4584.2	4583.6	4580.5	4525.1	4470.9	4428.5	4374.9	4294.3	4205.6	4136.6	4006.1
52.5°	4889.6	4930.2	4947.5	4946.9	4940.1	4920.4	4879.7	4810.2	4720.3	4681.5	4577.5
55°	5142.0	5230.7	5276.8	5377.8	5387.1	5419.7	5384.0	5384.6	5331.6	5335.3	5302.1
57.5°	5524.3	5686.3	5779.2	6002.7	6114.8	6250.2	6226.2	6339.5	6380.7	6433.1	6502.6
60°	5958.4	6260.7	6481.1	6925.6	7106.6	7325.8	7446.4	7575.1	7668.7	7764.7	7835.5
62.5°	6268.7	6665.8	7027.8	7661.3	7896.5	8127.4	8279.4	8435.2	8540.5	8609.4	8660.5
65°	6141.9	6580.8	7008.7	7673.0	7929.1	8096.6	8277.6	8367.5	8472.8	8530.0	8603.3
67.5°	5219.0	5659.2	6117.8	6901.6	7169.4	7400.9	7541.9	7658.2	7743.2	7815.8	7900.2
70°	3881.1	4362.6	4836.7	5696.1	6034.1	6368.4	6534.6	6678.7	6767.4	6840.6	6933.6
72.5°	2793.3	3094.9	3391.1	4353.4	4691.4	5123.5	5295.9	5456.0	5571.1	5567.4	5665.9
75°	2223.8	2346.3	2478.0	2974.9	3217.5	3581.9	3678.6	3768.5	3714.3	3610.2	3604.1
77.5°	1851.3	1901.8	1946.1	2101.9	2137.6	2224.4	2176.4	2126.5	1965.8	1830.4	1758.9
80°	1502.8	1602.6	1667.8	1778.7	1824.2	1850.1	1856.8	1839.6	1780.5	1698.6	1568.1
82.5°	1117.4	1307.1	1436.3	1654.3	1734.3	1750.9	1783.0	1763.3	1724.5	1658.0	1564.4
85°	327.5	370.6	424.8	576.3	675.4	759.7	845.9	888.4	914.9	877.9	781.3
87.5°	115.1	129.9	145.3	200.1	213.0	257.3	252.4	298.0	299.8	312.8	299.2
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4
2.5°	1019.5	1019.5	1019.5	1020.2	1020.2	1020.2	1018.9	1018.3	1018.9	1020.2	1020.2
5°	1043.5	1044.2	1045.4	1042.9	1043.5	1045.4	1044.2	1043.5	1044.2	1045.4	1044.2
7.5°	1082.3	1083.0	1081.7	1084.2	1084.2	1085.4	1087.3	1085.4	1086.0	1086.6	1087.3
10°	1132.8	1133.4	1134.7	1136.5	1137.1	1138.4	1139.6	1141.4	1141.4	1140.2	1143.3
12.5°	1193.2	1192.5	1193.8	1196.2	1197.5	1199.3	1203.0	1203.0	1205.5	1204.9	1207.9
15°	1252.3	1255.3	1256.0	1260.3	1262.1	1265.2	1269.5	1272.0	1272.0	1275.7	1276.9
17.5°	1311.4	1313.8	1316.3	1320.0	1322.4	1324.3	1329.2	1332.3	1331.7	1338.5	1338.5
20°	1356.9	1361.8	1364.9	1367.4	1371.7	1374.8	1378.5	1382.2	1384.6	1388.9	1390.2
22.5°	1401.2	1404.3	1408.6	1411.7	1416.6	1420.3	1424.6	1427.7	1432.0	1437.6	1439.4
25°	1450.5	1455.4	1460.4	1464.7	1468.4	1472.7	1480.1	1486.8	1493.0	1497.9	1499.8
27.5°	1518.8	1524.4	1531.8	1534.8	1540.4	1544.1	1555.2	1563.8	1566.9	1575.5	1577.9
30°	1611.2	1617.3	1624.7	1628.4	1638.3	1643.2	1654.9	1664.1	1667.2	1677.7	1679.5
32.5°	1744.8	1748.5	1763.3	1762.6	1776.2	1790.3	1797.1	1804.5	1818.1	1823.6	1825.4
35°	1930.1	1938.7	1949.2	1948.6	1965.8	1973.8	1987.4	1995.4	2005.2	2004.6	2015.1
37.5°	2109.3	2112.3	2116.0	2124.0	2136.4	2147.4	2152.4	2160.4	2167.8	2178.8	2192.4
40°	2304.4	2311.8	2312.4	2316.7	2322.9	2337.1	2346.3	2354.9	2380.2	2396.2	2404.2
42.5°	2596.9	2595.0	2582.7	2590.7	2594.4	2616.0	2622.7	2649.2	2677.5	2711.4	2720.6
45°	2973.0	2948.4	2941.0	2937.9	2957.6	2968.7	2996.4	3045.7	3075.2	3107.3	3122.6
47.5°	3436.0	3359.1	3322.7	3314.7	3335.0	3382.5	3391.7	3440.3	3479.1	3502.5	3517.9
50°	3899.6	3839.3	3762.9	3737.1	3731.5	3775.2	3785.7	3826.3	3865.7	3872.5	3864.5
52.5°	4482.0	4383.5	4257.3	4211.8	4175.4	4178.5	4187.1	4204.4	4229.6	4219.1	4197.6
55°	5227.0	5114.9	5052.7	4966.6	4911.8	4901.9	4864.4	4812.6	4810.8	4817.6	4752.9
57.5°	6467.5	6420.8	6447.2	6438.0	6383.8	6416.4	6247.1	6199.1	6160.9	6094.5	6034.7
60°	7898.3	7946.4	8001.2	8127.4	8121.8	8248.7	8131.1	8101.5	8065.8	7860.8	7760.4
62.5°	8749.8	8768.9	8849.5	8967.1	9082.9	9204.2	9259.0	9278.0	9203.6	9036.1	8826.8
65°	8601.4	8685.8	8764.0	8865.6	8984.4	9105.7	9221.4	9289.1	9271.9	9161.1	8930.8
67.5°	7927.3	8015.9	8130.4	8237.0	8365.0	8470.3	8597.1	8721.5	8725.2	8669.8	8509.7
70°	6943.5	7046.3	7164.5	7224.2	7362.7	7458.1	7563.4	7686.6	7726.6	7733.3	7546.8
72.5°	5645.0	5688.1	5746.0	5714.6	5742.3	5803.2	5774.9	5784.8	5632.7	5661.0	5430.8
75°	3437.9	3398.5	3223.6	3064.2	2869.6	2720.0	2755.7	2470.0	2188.7	2174.5	1971.4
77.5°	1743.6	1680.8	1572.4	1459.7	1294.7	1105.7	948.1	778.2	634.7	552.9	474.7
80°	1485.0	1440.7	1380.9	1299.0	1179.0	1039.2	874.9	745.6	625.5	500.5	400.8
82.5°	1421.0	1285.5	1198.7	1130.4	1000.5	871.2	781.3	692.6	607.7	530.7	420.5
85°	704.9	623.7	527.6	467.9	360.2	282.0	264.1	217.3	202.6	156.4	131.8
87.5°	237.0	193.9	144.7	121.9	97.3	79.4	78.2	69.6	69.0	62.8	57.9
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4
2.5°	1019.5	1020.8	1020.8	1019.5	1020.2	1018.9	1019.5	1020.2	1018.3	1017.7	1015.8
5°	1044.8	1044.2	1044.2	1044.8	1046.6	1047.2	1044.2	1045.4	1046.0	1042.9	1036.2
7.5°	1086.6	1086.6	1088.5	1087.9	1091.6	1090.3	1089.7	1089.7	1089.7	1083.6	1072.5
10°	1143.3	1143.3	1145.1	1147.6	1148.2	1147.0	1147.0	1147.6	1150.7	1138.4	1121.1
12.5°	1206.7	1209.8	1209.2	1209.2	1216.6	1214.7	1212.2	1214.7	1217.8	1200.5	1175.9
15°	1277.5	1279.3	1280.6	1284.9	1283.7	1288.0	1289.2	1288.0	1291.0	1268.9	1227.6
17.5°	1341.5	1345.2	1346.5	1351.4	1351.4	1352.0	1356.9	1355.1	1355.7	1330.4	1271.3
20°	1394.5	1398.2	1400.0	1405.6	1406.8	1409.3	1411.1	1412.3	1415.4	1385.2	1307.1
22.5°	1447.4	1450.5	1453.6	1457.3	1462.2	1465.3	1467.7	1469.0	1474.5	1439.4	1340.9
25°	1506.5	1513.3	1516.4	1522.5	1527.5	1532.4	1536.1	1536.7	1545.9	1502.2	1368.6
27.5°	1585.3	1594.6	1599.5	1609.3	1614.3	1619.2	1618.0	1625.4	1638.3	1574.3	1390.2
30°	1688.8	1700.5	1703.5	1713.4	1721.4	1726.3	1731.9	1738.0	1746.6	1654.3	1400.6
32.5°	1832.8	1850.7	1855.0	1860.5	1872.2	1880.9	1884.5	1894.4	1896.9	1730.0	1397.6
35°	2030.5	2022.5	2043.4	2048.3	2064.9	2071.7	2076.0	2088.9	2079.1	1812.5	1377.2
37.5°	2209.0	2206.5	2226.9	2237.9	2259.5	2254.6	2265.0	2273.6	2238.6	1871.0	1339.7
40°	2426.9	2423.9	2452.2	2455.9	2489.1	2481.7	2486.0	2492.8	2414.6	1911.6	1271.3
42.5°	2731.1	2732.3	2762.5	2766.2	2770.5	2784.0	2761.9	2763.1	2601.8	1922.7	1158.7
45°	3131.9	3153.4	3135.0	3135.6	3134.3	3108.5	3080.8	3048.1	2796.3	1884.5	1013.4
47.5°	3520.4	3505.6	3482.2	3460.6	3442.8	3402.2	3361.5	3306.1	2964.4	1794.0	851.5
50°	3852.8	3819.6	3798.6	3738.9	3696.4	3643.5	3586.9	3523.4	3102.3	1663.5	700.0
52.5°	4161.9	4127.4	4049.2	3987.0	3926.1	3855.9	3790.0	3715.5	3224.2	1514.5	584.3
55°	4675.3	4645.2	4567.0	4453.1	4378.0	4281.3	4194.5	4093.5	3471.1	1393.9	507.9
57.5°	5870.3	5844.5	5680.1	5608.1	5509.0	5266.4	5230.7	5073.1	4132.9	1379.7	463.0
60°	7553.0	7442.1	7305.5	7108.4	6876.3	6796.3	6617.8	6407.8	5198.0	1418.5	426.7
62.5°	8586.0	8333.6	8132.9	7905.7	7692.1	7508.6	7313.5	7106.0	5742.9	1367.4	381.7
65°	8663.6	8366.9	8101.5	7834.9	7594.8	7366.4	7176.8	6969.3	5565.6	1175.3	323.2
67.5°	8236.3	7923.6	7634.2	7331.9	7089.4	6883.1	6641.8	6442.3	5065.7	914.9	269.0
70°	7355.3	7080.7	6831.4	6505.7	6304.4	6053.2	5899.9	5650.6	4415.5	623.7	222.3
72.5°	5297.8	5090.9	5009.7	4782.5	4519.0	4371.2	4300.4	4058.5	3263.0	387.3	181.6
75°	1789.7	1840.8	1723.9	1544.7	1632.1	1497.3	1552.1	1437.0	1380.3	222.3	152.7
77.5°	397.1	373.1	344.8	320.1	318.3	299.2	317.1	299.8	320.8	141.6	134.8
80°	313.4	247.5	210.6	192.1	182.2	176.7	172.4	167.5	152.7	120.7	124.4
82.5°	338.6	255.5	187.2	149.6	128.1	120.1	118.2	113.3	112.1	117.0	125.6
85°	108.4	90.5	77.0	72.6	67.1	64.0	62.8	61.0	73.9	127.4	120.7
87.5°	56.6	49.9	44.3	42.5	36.9	34.5	33.9	34.5	51.7	127.4	87.4
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°	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4	1013.4
2.5°	1014.0	1013.4	1012.2	1011.5	1010.9	1007.8	1010.3
5°	1033.1	1026.9	1021.4	1014.6	1010.9	1007.8	1007.8
7.5°	1062.0	1044.8	1030.6	1015.2	1004.8	996.8	995.5
10°	1098.3	1065.1	1032.5	1004.8	985.1	970.3	968.4
12.5°	1132.8	1082.3	1030.6	985.1	954.3	933.3	932.1
15°	1164.8	1091.6	1016.5	949.4	903.2	875.5	872.4
17.5°	1190.1	1086.0	984.4	899.5	836.7	804.1	802.2
20°	1195.6	1063.9	938.9	837.9	771.4	736.9	728.9
22.5°	1190.7	1023.8	882.2	770.2	693.9	659.4	655.1
25°	1175.9	975.2	812.1	691.4	620.6	585.5	576.9
27.5°	1149.4	918.0	736.3	615.0	544.9	511.0	502.4
30°	1110.0	849.0	655.7	543.6	471.0	443.9	435.3
32.5°	1055.2	765.3	576.3	470.4	410.0	388.5	384.8
35°	979.5	669.2	493.1	410.0	365.7	352.8	350.9
37.5°	882.9	573.2	423.6	366.9	334.9	326.9	325.7
40°	756.7	474.7	374.3	336.2	312.8	306.0	304.8
42.5°	626.7	400.8	338.0	311.5	292.4	286.3	284.4
45°	512.8	350.9	310.9	291.2	273.4	266.6	266.0
47.5°	427.9	322.0	288.7	272.7	254.9	246.9	247.5
50°	365.7	295.5	270.3	256.7	236.4	229.0	229.6
52.5°	323.2	269.0	253.0	237.6	220.4	213.0	213.0
55°	290.0	247.5	236.4	219.8	206.2	199.5	198.9
57.5°	262.9	230.3	220.4	206.9	193.3	185.3	185.3
60°	246.3	217.9	209.9	197.6	181.6	173.0	172.4
62.5°	236.4	214.3	207.5	190.2	172.4	163.8	161.9
65°	229.0	222.9	214.3	185.9	165.0	155.8	153.9
67.5°	229.6	243.2	230.9	188.4	162.5	149.0	146.5
70°	233.3	259.2	242.6	193.9	173.0	145.9	140.4
72.5°	214.9	234.6	218.6	184.7	168.7	140.4	133.6
75°	179.2	171.2	157.0	150.2	151.5	127.4	125.0
77.5°	145.3	127.4	113.9	119.4	127.4	109.0	106.5
80°	126.2	103.4	96.7	105.9	115.7	93.0	86.8
82.5°	118.2	87.4	83.1	110.2	121.3	80.0	70.2
85°	104.0	71.4	65.3	129.9	121.3	60.3	56.0
87.5°	69.6	42.5	40.6	95.4	83.1	41.9	33.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)