

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: P158123

Luminaire Tested: **VTS-F05-LED-E1-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158123
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-F05-LED-E1-SL2-8030
Description: VENTUS LED SITE LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (35) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

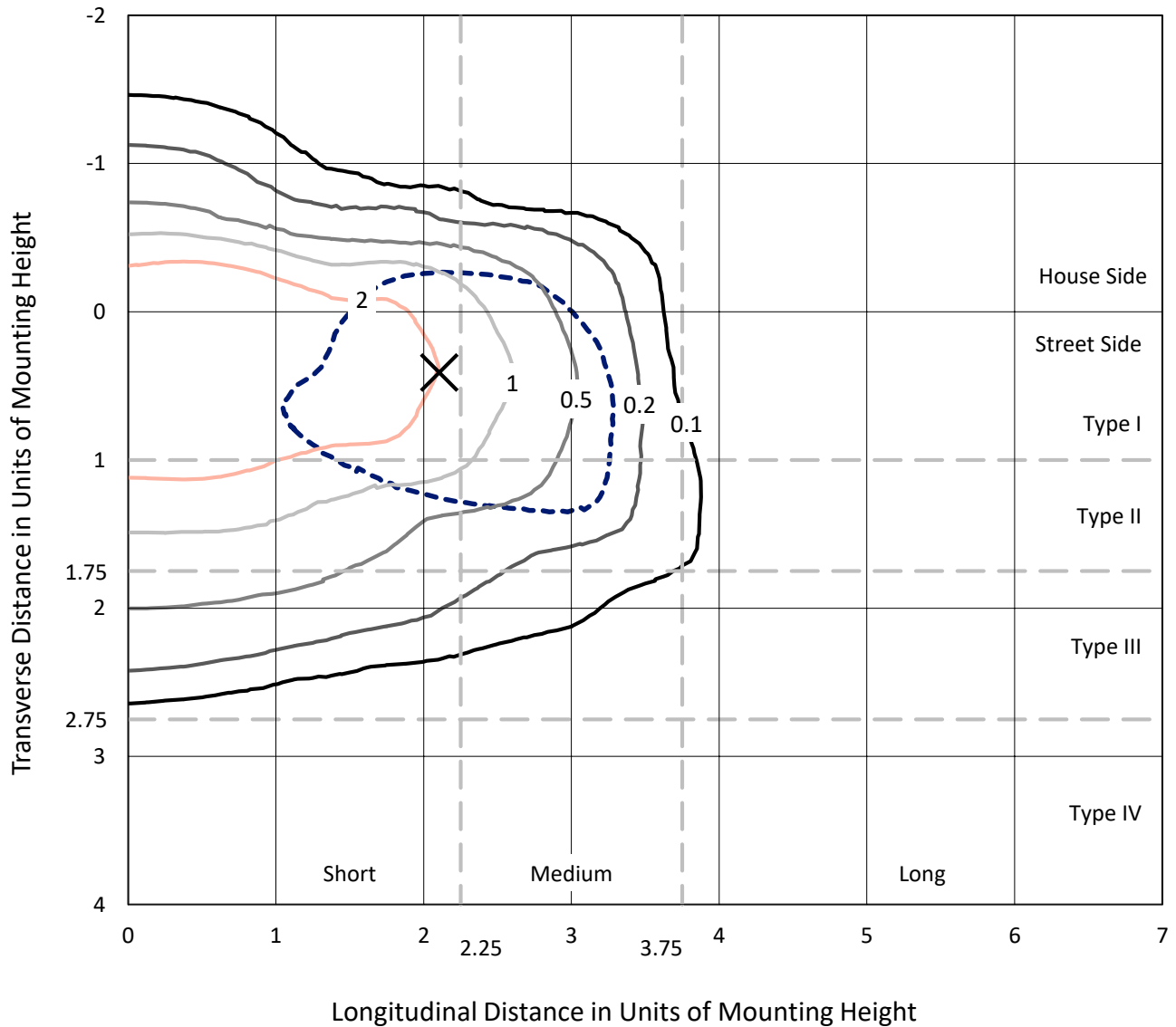
Lumens per Lamp: N/A
Luminaire Lumens: 10481.6 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 133.3
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

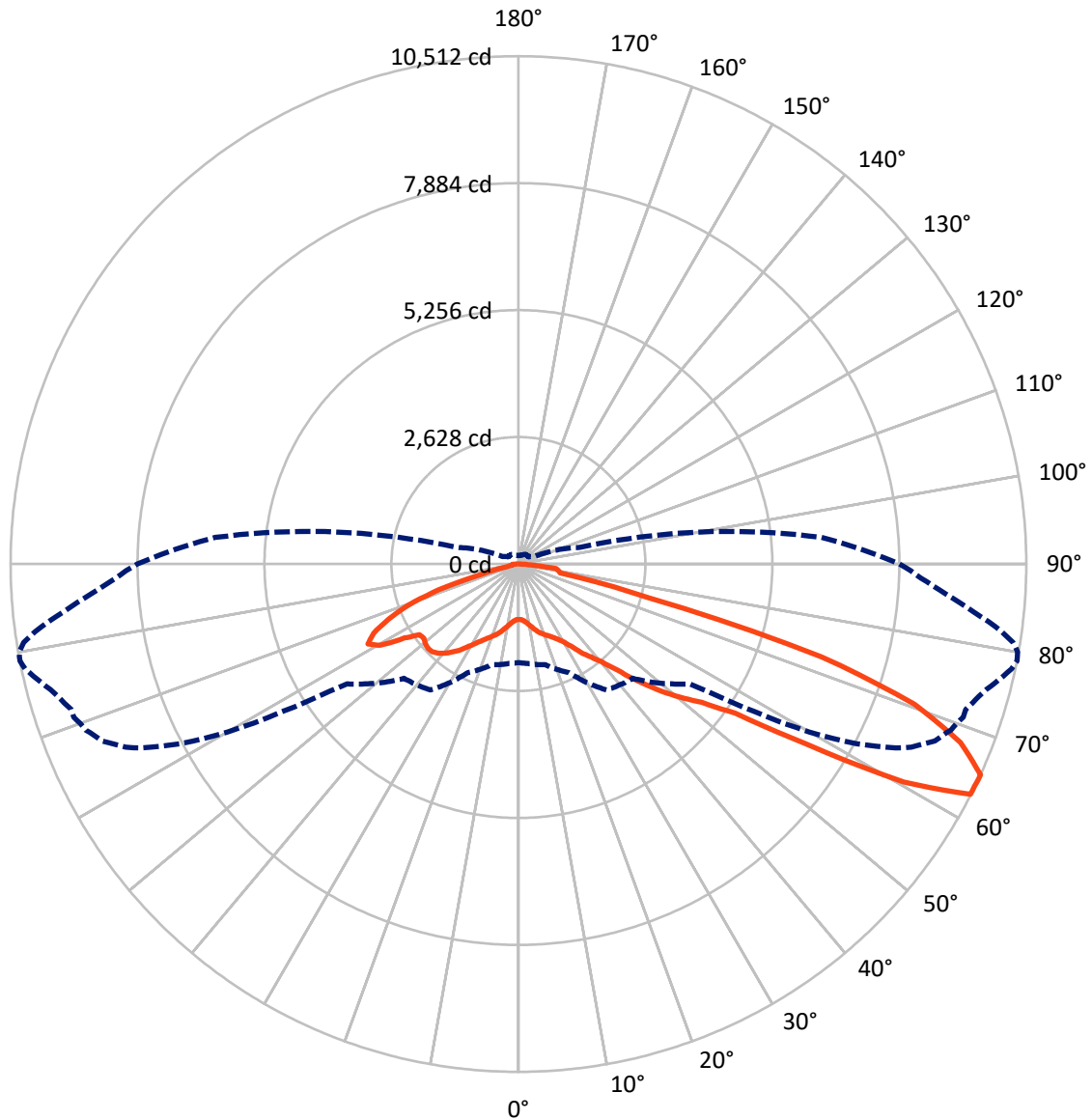
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.7 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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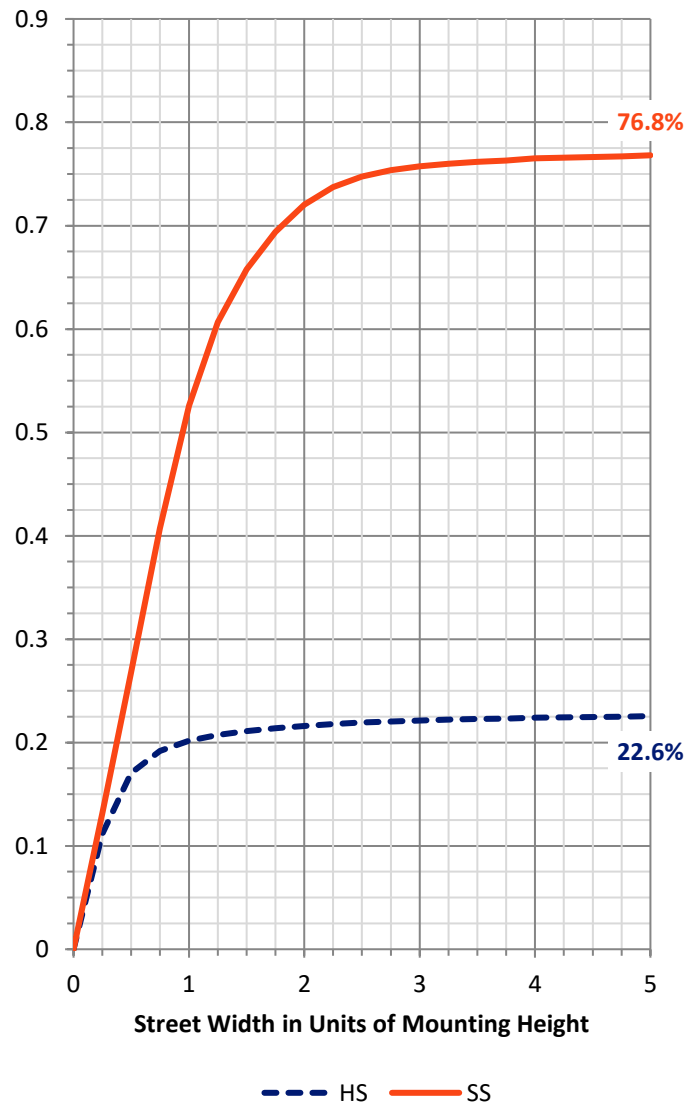
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2408.5	0.0	2408.5
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	8073.1	0.0	8073.1
	% Fixture	77.0	0.0	77.0
Total	Lumens	10481.6	0.0	10481.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	1.1
10°-20°	368.5	3.5
20°-30°	635.3	6.1
30°-40°	1040.6	9.9
40°-50°	1742.6	16.6
50°-60°	2357.1	22.5
60°-70°	2902.8	27.7
70°-80°	1123.6	10.7
80°-90°	197.6	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°	10481.6	100.0
0°-180°	10481.6	100.0



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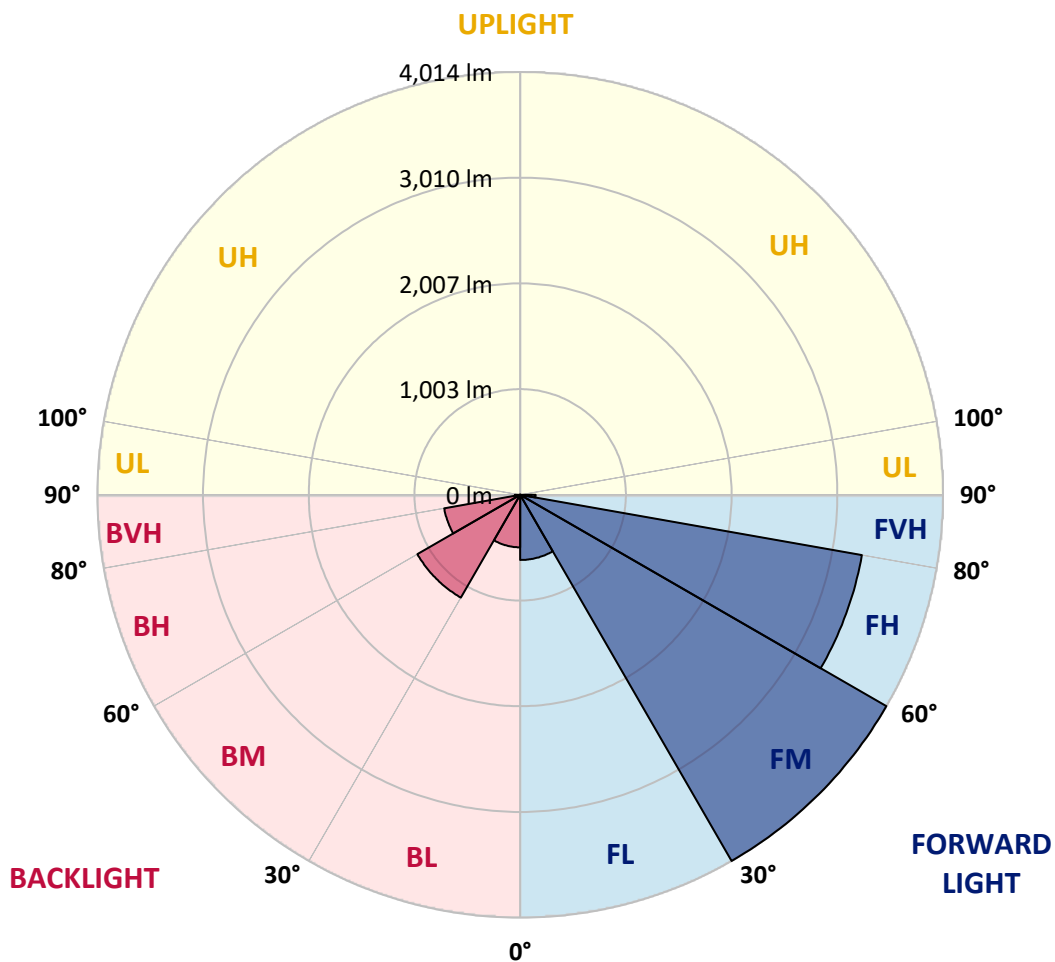
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	618.8	5.9			
FM (30°-60°)	4014.0	38.3			
FH (60°-80°)	3293.7	31.4			G2/5000
FVH (80°-90°)	146.6	1.4			G2/225
BL (0°-30°)	498.4	4.8	B1/500		
BM (30°-60°)	1126.3	10.7	B2/2500		
BH (60°-80°)	732.7	7.0	B2/1000		G2/1000
BVH (80°-90°)	51.0	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°	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8
2.5°	1148.9	1145.4	1148.9	1151.7	1153.8	1156.6	1155.9	1155.2	1154.5	1155.2	1155.2
5°	1158.7	1158.0	1161.5	1164.2	1169.1	1172.6	1176.8	1176.8	1176.8	1176.1	1177.5
7.5°	1190.0	1189.3	1192.8	1195.6	1199.8	1206.7	1212.3	1215.1	1214.4	1214.4	1214.4
10°	1241.6	1238.8	1238.8	1238.8	1244.4	1249.2	1261.8	1263.2	1266.0	1264.6	1265.3
12.5°	1291.7	1292.4	1290.4	1288.3	1289.0	1298.7	1316.8	1320.3	1321.0	1323.1	1324.5
15°	1337.0	1336.3	1331.5	1326.6	1332.9	1349.6	1373.3	1379.5	1379.5	1383.7	1386.5
17.5°	1378.8	1377.4	1368.4	1360.0	1366.3	1394.9	1431.8	1436.0	1442.2	1444.3	1447.1
20°	1428.3	1425.5	1415.1	1392.8	1392.8	1431.8	1480.6	1484.7	1490.3	1491.7	1496.6
22.5°	1497.3	1490.3	1468.0	1427.6	1416.5	1461.8	1521.7	1523.8	1527.9	1533.5	1537.7
25°	1575.3	1576.7	1540.5	1470.1	1445.7	1493.1	1561.4	1564.9	1572.5	1576.7	1581.6
27.5°	1656.1	1658.2	1617.8	1530.0	1488.9	1536.3	1615.0	1619.2	1628.3	1633.1	1640.8
30°	1748.1	1750.9	1711.9	1623.4	1560.7	1599.7	1694.5	1705.6	1713.3	1719.5	1732.1
32.5°	1969.0	1952.3	1925.1	1831.0	1732.1	1729.3	1822.7	1835.2	1845.7	1858.9	1870.7
35°	2247.0	2257.4	2271.4	2208.0	2120.9	2057.5	2065.1	2058.2	2067.9	2087.4	2099.3
37.5°	2467.1	2490.1	2550.7	2591.9	2588.4	2575.8	2458.8	2458.8	2465.1	2454.6	2453.2
40°	2639.9	2654.6	2778.6	2938.1	3072.6	3138.8	3046.1	3032.9	3039.9	2986.2	2988.3
42.5°	2729.1	2750.7	2929.1	3209.2	3476.0	3688.5	3660.0	3650.9	3630.0	3616.8	3608.4
45°	2774.4	2800.2	3012.7	3397.3	3786.1	4114.2	4261.9	4260.5	4241.7	4226.4	4219.4
47.5°	2751.4	2773.7	3000.1	3454.4	3949.1	4388.7	4715.5	4735.7	4730.1	4752.4	4761.5
50°	2600.9	2629.5	2856.6	3331.1	3880.8	4496.7	5029.7	5067.4	5118.2	5150.3	5192.8
52.5°	2465.1	2488.7	2693.6	3131.1	3656.5	4408.9	5219.2	5296.6	5366.3	5431.8	5482.6
55°	2322.9	2346.6	2526.4	2923.5	3430.0	4149.8	5305.6	5418.5	5527.2	5638.0	5739.7
57.5°	2269.3	2294.4	2428.1	2762.6	3244.7	3892.7	5348.1	5533.5	5710.4	5898.6	6093.6
60°	2408.6	2430.9	2532.6	2766.7	3103.3	3635.6	5262.4	5553.7	5858.2	6168.2	6467.8
62.5°	2366.1	2378.0	2504.8	2867.8	3283.7	3382.0	4891.1	5275.7	5718.1	6172.4	6631.5
65°	2041.4	2064.4	2159.9	2479.0	3182.7	3347.8	4325.3	4712.0	5233.9	5771.1	6386.3
67.5°	1464.5	1432.5	1506.3	1785.7	2469.2	3342.2	3688.5	3974.9	4383.9	4795.6	5300.1
70°	665.4	650.1	707.9	928.7	1489.6	2641.3	3118.6	3215.4	3367.3	3644.6	3985.3
72.5°	262.7	262.0	299.6	383.9	704.4	1700.0	2622.5	2678.3	2731.9	2852.4	2999.4
75°	172.1	172.1	183.2	206.9	347.0	820.8	2218.4	2269.3	2351.5	2385.6	2448.3
77.5°	129.6	130.3	135.2	140.7	191.6	432.0	1565.6	1746.0	1885.4	1989.2	2065.1
80°	92.0	96.1	105.2	108.7	124.7	245.9	884.9	1015.1	1172.6	1340.5	1551.6
82.5°	69.0	73.9	89.2	93.4	98.9	140.0	399.2	452.9	528.8	685.6	985.9
85°	32.0	35.5	61.3	66.9	71.8	80.8	202.8	226.4	257.1	281.5	328.2
87.5°	4.9	3.5	10.5	14.6	23.0	23.7	69.7	82.9	89.9	108.0	112.2
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8
2.5°	1155.2	1155.9	1156.6	1155.2	1155.9	1155.9	1154.5	1153.8	1153.8	1153.8	1154.5
5°	1177.5	1178.9	1177.5	1178.2	1181.0	1180.3	1178.9	1178.2	1181.0	1181.7	1179.6
7.5°	1217.2	1217.9	1215.1	1218.6	1220.0	1220.7	1220.7	1222.1	1222.1	1224.2	1222.1
10°	1268.1	1268.1	1272.9	1272.2	1272.9	1274.3	1275.0	1277.8	1279.9	1279.9	1281.3
12.5°	1326.6	1327.3	1332.2	1332.9	1335.6	1336.3	1340.5	1337.7	1344.7	1344.7	1346.8
15°	1387.2	1392.1	1392.8	1399.7	1401.1	1401.8	1407.4	1407.4	1412.3	1413.0	1414.4
17.5°	1447.1	1451.3	1454.1	1459.7	1464.5	1466.6	1468.7	1472.9	1476.4	1477.8	1481.3
20°	1498.7	1502.9	1505.6	1511.2	1515.4	1518.9	1521.0	1525.9	1529.3	1530.7	1535.6
22.5°	1541.9	1544.7	1549.5	1557.2	1558.6	1562.8	1569.0	1572.5	1573.9	1578.1	1583.7
25°	1587.9	1592.0	1594.8	1601.8	1607.4	1614.3	1619.9	1625.5	1626.9	1632.5	1637.3
27.5°	1649.2	1653.4	1654.1	1668.0	1673.6	1683.3	1689.6	1697.9	1702.1	1707.0	1716.8
30°	1739.7	1749.5	1753.7	1769.7	1772.5	1783.6	1794.8	1797.6	1803.8	1804.5	1820.6
32.5°	1878.4	1892.3	1897.9	1914.6	1918.8	1929.3	1935.5	1950.2	1950.9	1957.8	1961.3
35°	2105.5	2102.1	2123.6	2127.8	2140.4	2149.4	2155.7	2155.7	2168.9	2169.6	2173.8
37.5°	2415.6	2408.6	2414.2	2389.1	2395.4	2384.2	2382.1	2384.9	2379.4	2380.7	2380.0
40°	2911.7	2880.3	2847.6	2770.2	2753.5	2721.4	2696.4	2676.2	2656.7	2635.8	2621.8
42.5°	3533.8	3488.6	3439.8	3315.8	3257.9	3195.9	3135.3	3100.5	3030.8	2988.3	2965.3
45°	4186.0	4133.0	4064.8	3961.6	3879.4	3813.2	3702.5	3650.2	3542.2	3488.6	3416.1
47.5°	4720.4	4721.1	4666.0	4561.5	4473.7	4429.8	4360.9	4259.8	4137.2	4068.2	3939.3
50°	5187.9	5187.2	5183.7	5121.0	5059.7	5011.6	4951.0	4859.7	4759.4	4681.4	4533.7
52.5°	5533.5	5579.5	5599.0	5598.3	5590.6	5568.3	5522.3	5443.6	5341.9	5298.0	5180.2
55°	5819.1	5919.5	5971.7	6086.0	6096.4	6133.4	6093.0	6093.6	6033.7	6037.9	6000.3
57.5°	6251.8	6435.0	6540.3	6793.2	6920.0	7073.3	7046.1	7174.3	7221.0	7280.2	7358.9
60°	6743.0	7085.1	7334.5	7837.6	8042.4	8290.5	8427.0	8572.6	8678.5	8787.2	8867.4
62.5°	7094.2	7543.6	7953.2	8670.2	8936.3	9197.6	9369.7	9546.0	9665.1	9743.1	9801.0
65°	6950.6	7447.4	7931.6	8683.4	8973.3	9162.8	9367.6	9469.3	9588.5	9653.3	9736.2
67.5°	5906.2	6404.4	6923.5	7810.4	8113.5	8375.5	8535.0	8666.7	8762.8	8845.1	8940.5
70°	4392.2	4937.1	5473.6	6446.2	6828.7	7207.0	7395.2	7558.2	7658.5	7741.4	7846.6
72.5°	3161.1	3502.5	3837.6	4926.6	5309.1	5798.2	5993.3	6174.5	6304.8	6300.6	6412.1
75°	2516.6	2655.3	2804.4	3366.6	3641.1	4053.6	4163.0	4264.7	4203.4	4085.7	4078.7
77.5°	2095.1	2152.2	2202.4	2378.7	2419.1	2517.3	2463.0	2406.5	2224.7	2071.4	1990.6
80°	1700.7	1813.6	1887.5	2012.9	2064.4	2093.7	2101.4	2081.8	2015.0	1922.3	1774.6
82.5°	1264.6	1479.2	1625.5	1872.1	1962.7	1981.5	2017.7	1995.5	1951.6	1876.3	1770.4
85°	370.7	419.4	480.7	652.1	764.3	859.8	957.3	1005.4	1035.3	993.5	884.2
87.5°	130.3	147.0	164.4	226.4	241.1	291.2	285.7	337.2	339.3	353.9	338.6
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8
2.5°	1153.8	1153.8	1153.8	1154.5	1154.5	1154.5	1153.1	1152.4	1153.1	1154.5	1154.5
5°	1181.0	1181.7	1183.1	1180.3	1181.0	1183.1	1181.7	1181.0	1181.7	1183.1	1181.7
7.5°	1224.9	1225.6	1224.2	1227.0	1227.0	1228.3	1230.4	1228.3	1229.0	1229.7	1230.4
10°	1282.0	1282.7	1284.1	1286.2	1286.9	1288.3	1289.7	1291.7	1291.7	1290.4	1293.8
12.5°	1350.3	1349.6	1351.0	1353.8	1355.2	1357.2	1361.4	1361.4	1364.2	1363.5	1367.0
15°	1417.2	1420.6	1421.3	1426.2	1428.3	1431.8	1436.7	1439.5	1439.5	1443.6	1445.0
17.5°	1484.0	1486.8	1489.6	1493.8	1496.6	1498.7	1504.3	1507.7	1507.0	1514.7	1514.7
20°	1535.6	1541.2	1544.7	1547.4	1552.3	1555.8	1560.0	1564.2	1567.0	1571.8	1573.2
22.5°	1585.8	1589.3	1594.1	1597.6	1603.2	1607.4	1612.2	1615.7	1620.6	1626.9	1629.0
25°	1641.5	1647.1	1652.7	1657.5	1661.7	1666.6	1675.0	1682.6	1689.6	1695.2	1697.2
27.5°	1718.8	1725.1	1733.5	1737.0	1743.2	1747.4	1760.0	1769.7	1773.2	1782.9	1785.7
30°	1823.4	1830.3	1838.7	1842.9	1854.0	1859.6	1872.8	1883.3	1886.8	1898.6	1900.7
32.5°	1974.5	1978.7	1995.5	1994.8	2010.1	2026.1	2033.8	2042.1	2057.5	2063.7	2065.8
35°	2184.3	2194.0	2205.9	2205.2	2224.7	2233.7	2249.1	2258.1	2269.3	2268.6	2280.4
37.5°	2387.0	2390.5	2394.7	2403.7	2417.7	2430.2	2435.8	2444.8	2453.2	2465.7	2481.1
40°	2607.9	2616.2	2616.9	2621.8	2628.8	2644.8	2655.3	2665.0	2693.6	2711.7	2720.8
42.5°	2938.8	2936.7	2922.8	2931.9	2936.0	2960.4	2968.1	2998.1	3030.1	3068.4	3078.9
45°	3364.5	3336.7	3328.3	3324.8	3347.1	3359.7	3391.0	3446.8	3480.2	3516.4	3533.8
47.5°	3888.5	3801.4	3760.3	3751.2	3774.2	3827.9	3838.3	3893.4	3937.3	3963.7	3981.1
50°	4413.1	4344.8	4258.4	4229.2	4222.9	4272.4	4284.2	4330.2	4374.8	4382.5	4373.4
52.5°	5072.2	4960.8	4817.9	4766.4	4725.3	4728.7	4738.5	4758.0	4786.6	4774.7	4750.3
55°	5915.3	5788.5	5718.1	5620.6	5558.6	5547.4	5504.9	5446.4	5444.3	5452.0	5378.8
57.5°	7319.2	7266.3	7296.2	7285.8	7224.5	7261.4	7069.8	7015.4	6972.2	6897.0	6829.4
60°	8938.4	8992.8	9054.8	9197.6	9191.3	9334.9	9201.8	9168.3	9127.9	8895.9	8782.4
62.5°	9902.0	9923.6	10014.9	10148.0	10278.9	10416.2	10478.2	10499.8	10415.5	10226.0	9989.1
65°	9734.1	9829.5	9918.0	10033.0	10167.5	10304.7	10435.7	10512.3	10492.8	10367.4	10106.8
67.5°	8971.2	9071.5	9201.1	9321.6	9466.5	9585.7	9729.2	9870.0	9874.1	9811.4	9630.3
70°	7857.8	7974.1	8107.9	8175.5	8332.3	8440.3	8559.4	8698.7	8744.0	8751.7	8540.6
72.5°	6388.4	6437.1	6502.6	6467.1	6498.5	6567.4	6535.4	6546.5	6374.4	6406.5	6145.9
75°	3890.6	3846.0	3648.1	3467.7	3247.5	3078.2	3118.6	2795.3	2476.9	2460.9	2230.9
77.5°	1973.2	1902.1	1779.5	1652.0	1465.2	1251.3	1073.0	880.7	718.3	625.7	537.2
80°	1680.5	1630.4	1562.8	1470.1	1334.2	1176.1	990.1	843.7	707.9	566.4	453.6
82.5°	1608.1	1454.8	1356.5	1279.2	1132.2	985.9	884.2	783.8	687.7	600.6	475.9
85°	797.8	705.8	597.1	529.5	407.6	319.1	298.9	245.9	229.2	177.0	149.1
87.5°	268.2	219.5	163.7	138.0	110.1	89.9	88.5	78.7	78.0	71.1	65.5
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8
2.5°	1153.8	1155.2	1155.2	1153.8	1154.5	1153.1	1153.8	1154.5	1152.4	1151.7	1149.6
5°	1182.4	1181.7	1181.7	1182.4	1184.5	1185.1	1181.7	1183.1	1183.8	1180.3	1172.6
7.5°	1229.7	1229.7	1231.8	1231.1	1235.3	1233.9	1233.2	1233.2	1233.2	1226.3	1213.7
10°	1293.8	1293.8	1295.9	1298.7	1299.4	1298.0	1298.0	1298.7	1302.2	1288.3	1268.8
12.5°	1365.6	1369.1	1368.4	1368.4	1376.7	1374.7	1371.9	1374.7	1378.1	1358.6	1330.8
15°	1445.7	1447.8	1449.2	1454.1	1452.7	1457.6	1459.0	1457.6	1461.1	1436.0	1389.3
17.5°	1518.2	1522.4	1523.8	1529.3	1529.3	1530.0	1535.6	1533.5	1534.2	1505.6	1438.8
20°	1578.1	1582.3	1584.4	1590.6	1592.0	1594.8	1596.9	1598.3	1601.8	1567.7	1479.2
22.5°	1638.0	1641.5	1645.0	1649.2	1654.7	1658.2	1661.0	1662.4	1668.7	1629.0	1517.5
25°	1704.9	1712.6	1716.1	1723.0	1728.6	1734.2	1738.4	1739.1	1749.5	1700.0	1548.8
27.5°	1794.1	1804.5	1810.1	1821.3	1826.8	1832.4	1831.0	1839.4	1854.0	1781.6	1573.2
30°	1911.1	1924.4	1927.9	1939.0	1948.1	1953.6	1959.9	1966.9	1976.6	1872.1	1585.1
32.5°	2074.2	2094.4	2099.3	2105.5	2118.8	2128.5	2132.7	2143.9	2146.6	1957.8	1581.6
35°	2297.8	2288.8	2312.5	2318.0	2336.9	2344.5	2349.4	2364.0	2352.9	2051.2	1558.6
37.5°	2499.9	2497.1	2520.1	2532.6	2557.0	2551.4	2563.3	2573.0	2533.3	2117.4	1516.1
40°	2746.5	2743.0	2775.1	2779.3	2816.9	2808.5	2813.4	2821.1	2732.6	2163.4	1438.8
42.5°	3090.7	3092.1	3126.3	3130.4	3135.3	3150.6	3125.6	3126.9	2944.4	2175.9	1311.3
45°	3544.3	3568.7	3547.8	3548.5	3547.1	3517.8	3486.5	3449.5	3164.6	2132.7	1146.8
47.5°	3983.9	3967.2	3940.7	3916.4	3896.1	3850.2	3804.2	3741.5	3354.8	2030.3	963.6
50°	4360.2	4322.5	4298.9	4231.3	4183.2	4123.3	4059.2	3987.4	3510.9	1882.6	792.2
52.5°	4709.9	4670.9	4582.4	4512.1	4443.1	4363.7	4289.1	4204.8	3648.8	1714.0	661.2
55°	5291.0	5256.9	5168.4	5039.5	4954.5	4845.1	4746.9	4632.6	3928.2	1577.4	574.8
57.5°	6643.4	6614.1	6428.1	6346.6	6234.4	5959.9	5919.5	5741.1	4677.2	1561.4	523.9
60°	8547.6	8422.1	8267.5	8044.5	7781.8	7691.3	7489.2	7251.6	5882.5	1605.3	482.8
62.5°	9716.7	9431.0	9203.9	8946.8	8705.0	8497.4	8276.5	8041.7	6499.1	1547.4	432.0
65°	9804.5	9468.6	9168.3	8866.7	8594.9	8336.4	8121.8	7887.0	6298.5	1330.1	365.8
67.5°	9320.9	8967.0	8639.5	8297.4	8022.9	7789.5	7516.4	7290.6	5732.7	1035.3	304.5
70°	8323.9	8013.2	7731.0	7362.4	7134.6	6850.3	6676.8	6394.6	4997.0	705.8	251.5
72.5°	5995.4	5761.3	5669.3	5412.2	5114.0	4946.8	4866.7	4592.9	3692.7	438.2	205.5
75°	2025.4	2083.2	1950.9	1748.1	1847.0	1694.5	1756.5	1626.2	1562.1	251.5	172.8
77.5°	449.4	422.2	390.2	362.3	360.2	338.6	358.8	339.3	363.0	160.2	152.6
80°	354.6	280.1	238.3	217.4	206.2	200.0	195.1	189.5	172.8	136.6	140.7
82.5°	383.2	289.1	211.8	169.3	144.9	135.9	133.8	128.2	126.8	132.4	142.1
85°	122.6	102.4	87.1	82.2	75.9	72.5	71.1	69.0	83.6	144.2	136.6
87.5°	64.1	56.4	50.2	48.1	41.8	39.0	38.3	39.0	58.5	144.2	98.9
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):

	125°	135°	145°	155°	165°	175°	180°
0°	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8	1146.8
2.5°	1147.5	1146.8	1145.4	1144.7	1144.0	1140.6	1143.3
5°	1169.1	1162.2	1155.9	1148.2	1144.0	1140.6	1140.6
7.5°	1201.9	1182.4	1166.3	1148.9	1137.1	1128.0	1126.6
10°	1243.0	1205.4	1168.4	1137.1	1114.8	1098.1	1096.0
12.5°	1282.0	1224.9	1166.3	1114.8	1079.9	1056.3	1054.9
15°	1318.2	1235.3	1150.3	1074.4	1022.1	990.8	987.3
17.5°	1346.8	1229.0	1114.1	1017.9	946.9	909.9	907.8
20°	1353.1	1204.0	1062.5	948.3	873.0	834.0	824.9
22.5°	1347.5	1158.7	998.4	871.6	785.2	746.2	741.3
25°	1330.8	1103.6	919.0	782.4	702.3	662.6	652.8
27.5°	1300.8	1038.8	833.3	696.0	616.6	578.3	568.5
30°	1256.2	960.8	742.0	615.2	533.0	502.3	492.6
32.5°	1194.2	866.0	652.1	532.3	464.0	439.6	435.5
35°	1108.5	757.4	558.1	464.0	413.9	399.2	397.1
37.5°	999.1	648.7	479.4	415.3	379.0	370.0	368.6
40°	856.3	537.2	423.6	380.4	353.9	346.3	344.9
42.5°	709.3	453.6	382.5	352.5	330.9	324.0	321.9
45°	580.4	397.1	351.9	329.6	309.4	301.7	301.0
47.5°	484.2	364.4	326.8	308.7	288.4	279.4	280.1
50°	413.9	334.4	305.9	290.5	267.5	259.2	259.9
52.5°	365.8	304.5	286.4	268.9	249.4	241.1	241.1
55°	328.2	280.1	267.5	248.7	233.4	225.7	225.0
57.5°	297.5	260.6	249.4	234.1	218.8	209.7	209.7
60°	278.7	246.6	237.6	223.7	205.5	195.8	195.1
62.5°	267.5	242.5	234.8	215.3	195.1	185.3	183.2
65°	259.2	252.2	242.5	210.4	186.7	176.3	174.2
67.5°	259.9	275.2	261.3	213.2	183.9	168.6	165.8
70°	264.1	293.3	274.5	219.5	195.8	165.1	158.9
72.5°	243.2	265.5	247.3	209.0	190.9	158.9	151.2
75°	202.8	193.7	177.7	170.0	171.4	144.2	141.4
77.5°	164.4	144.2	128.9	135.2	144.2	123.3	120.5
80°	142.8	117.1	109.4	119.8	131.0	105.2	98.2
82.5°	133.8	98.9	94.1	124.7	137.3	90.6	79.4
85°	117.7	80.8	73.9	147.0	137.3	68.3	63.4
87.5°	78.7	48.1	46.0	108.0	94.1	47.4	38.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)