

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: P159453

Luminaire Tested: **VTS-F06-LED-E1-T3-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159453
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33706)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F06-LED-E1-T3-8030
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12785.2 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

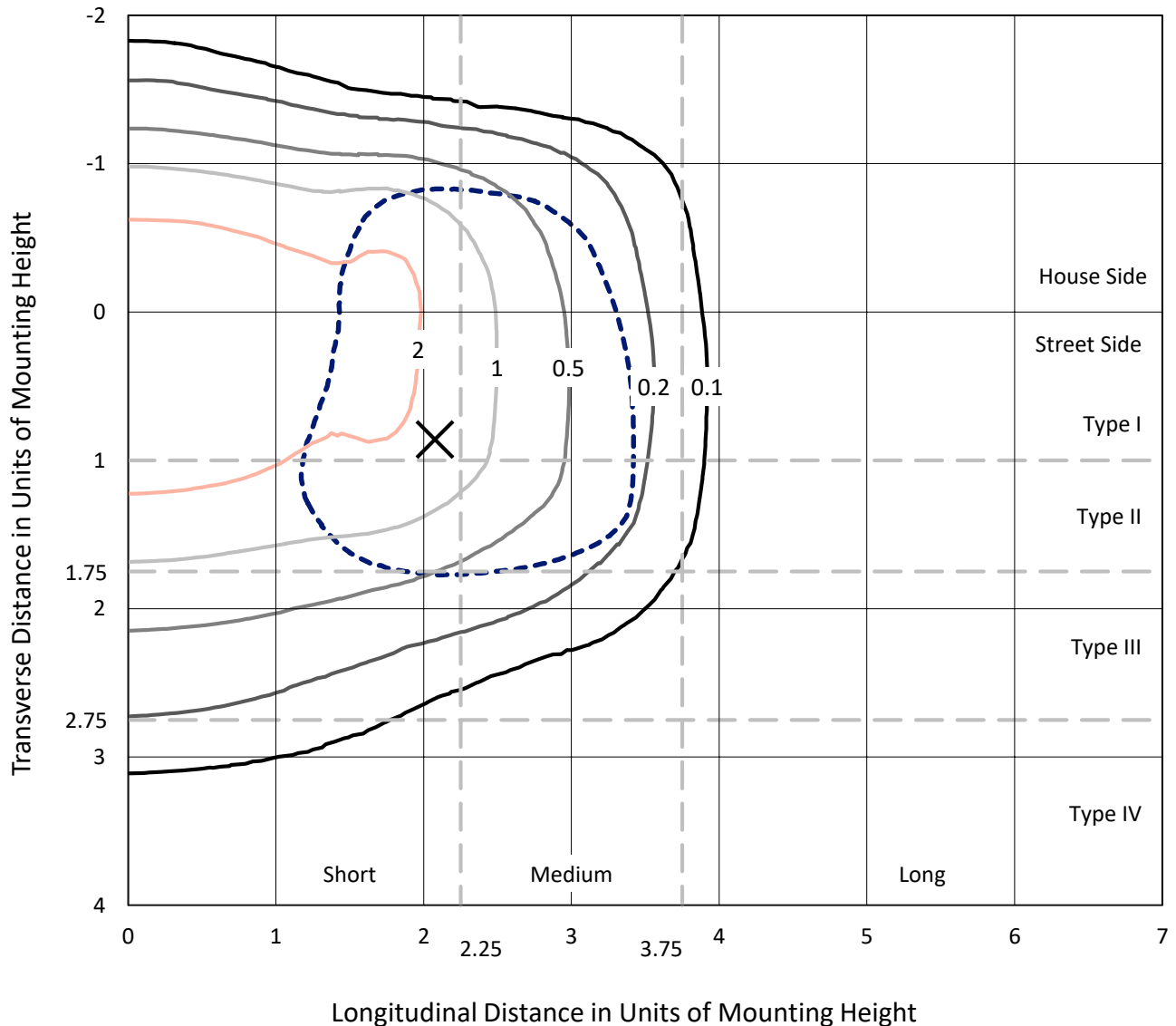
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

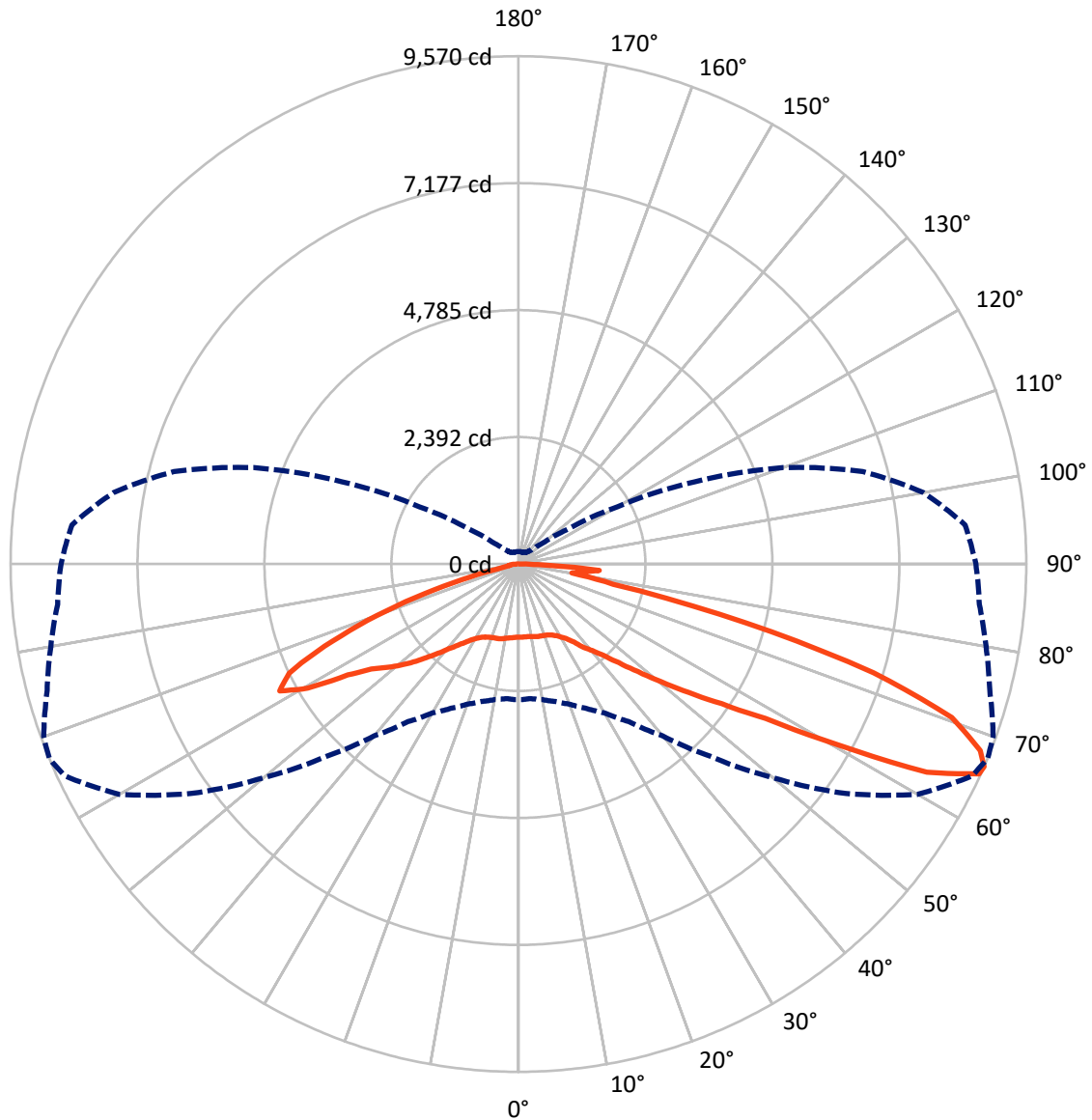


Based on 20 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4424.3	0.0	4424.3
	% Fixture	34.6	0.0	34.6
Street Side	Lumens	8361.0	0.0	8361.0
	% Fixture	65.4	0.0	65.4
Total	Lumens	12785.2	0.0	12785.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.4	1.0
10°-20°	392.0	3.1
20°-30°	673.8	5.3
30°-40°	1089.0	8.5
40°-50°	1804.8	14.1
50°-60°	2832.5	22.2
60°-70°	3872.6	30.3
70°-80°	1703.0	13.3
80°-90°	285.1	2.2
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°	12785.2	100.0
0°-180°	12785.2	100.0



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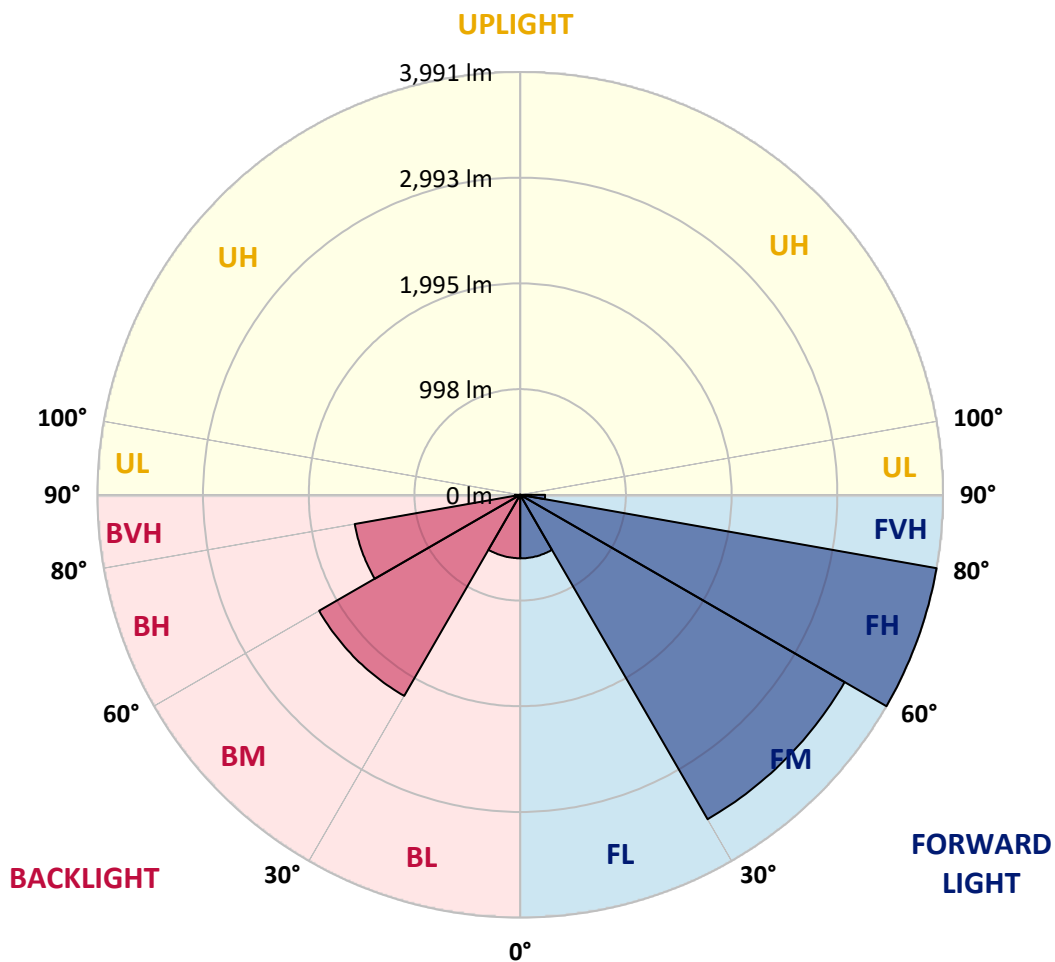
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	599.7	4.7			
FM	(30°-60°)	3535.5	27.7			
FH	(60°-80°)	3990.5	31.2			G2/5000
FVH	(80°-90°)	235.2	1.8			G3/500
BL	(0°-30°)	598.5	4.7	B2/1000		
BM	(30°-60°)	2190.9	17.1	B2/2500		
BH	(60°-80°)	1585.0	12.4	B3/2500		G3/2500
BVH	(80°-90°)	49.9	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°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5
2.5°	1377.0	1377.0	1377.9	1377.0	1377.0	1376.2	1379.5	1379.5	1379.5	1378.7	1381.2
5°	1373.7	1373.7	1374.5	1374.5	1375.4	1374.5	1377.0	1377.9	1377.9	1377.9	1380.4
7.5°	1365.3	1367.8	1366.2	1367.0	1367.8	1370.3	1373.7	1375.4	1377.0	1379.5	1380.4
10°	1347.8	1351.9	1351.1	1353.6	1354.5	1362.0	1364.5	1367.8	1373.7	1377.0	1379.5
12.5°	1323.5	1326.0	1326.9	1330.2	1333.6	1342.7	1349.4	1355.3	1363.7	1372.0	1380.4
15°	1304.3	1306.0	1306.0	1309.3	1314.3	1322.7	1331.0	1341.1	1353.6	1367.8	1381.2
17.5°	1310.1	1314.3	1311.0	1310.1	1311.8	1316.8	1324.4	1332.7	1347.8	1363.7	1379.5
20°	1348.6	1349.4	1347.8	1343.6	1340.2	1341.1	1341.1	1342.7	1351.9	1364.5	1377.0
22.5°	1380.4	1383.7	1382.9	1383.7	1382.9	1386.2	1384.6	1381.2	1377.9	1378.7	1384.6
25°	1408.0	1411.3	1411.3	1413.8	1418.0	1424.7	1429.7	1428.9	1423.8	1417.2	1414.7
27.5°	1453.1	1453.1	1453.1	1455.6	1461.5	1469.8	1478.2	1483.2	1487.4	1480.7	1466.5
30°	1524.2	1525.0	1522.5	1523.3	1527.5	1538.4	1548.4	1555.9	1564.3	1563.5	1545.1
32.5°	1601.9	1605.3	1604.4	1607.8	1613.6	1623.7	1634.5	1646.2	1657.1	1663.8	1652.1
35°	1702.3	1705.6	1706.4	1711.5	1718.1	1733.2	1748.2	1763.3	1775.0	1780.0	1777.5
37.5°	1867.0	1867.8	1864.5	1856.9	1859.4	1871.2	1888.7	1913.0	1920.5	1925.5	1937.2
40°	2113.6	2111.1	2097.7	2091.0	2086.9	2091.9	2088.5	2107.8	2125.3	2126.2	2125.3
42.5°	2412.9	2405.4	2392.9	2391.2	2389.5	2387.9	2378.7	2379.5	2395.4	2399.6	2394.5
45°	2710.6	2701.4	2692.2	2700.5	2690.5	2716.4	2724.0	2744.0	2746.5	2754.9	2742.4
47.5°	2954.7	2955.6	2955.6	2967.3	2987.3	3036.7	3081.0	3119.4	3133.6	3153.7	3156.2
50°	3139.5	3144.5	3160.4	3198.0	3240.7	3323.4	3397.8	3467.2	3529.9	3553.4	3615.2
52.5°	3247.3	3260.7	3294.2	3356.9	3433.0	3540.0	3657.0	3774.9	3883.6	3975.6	4049.1
55°	3228.1	3238.1	3296.7	3394.5	3513.2	3657.0	3820.9	3991.5	4161.2	4316.7	4437.1
57.5°	3104.4	3111.1	3169.6	3280.0	3427.9	3621.1	3852.7	4106.0	4344.3	4595.1	4800.8
60°	2942.2	2952.2	3006.6	3093.5	3248.2	3453.9	3722.2	4065.9	4446.3	4840.9	5225.5
62.5°	2838.5	2836.0	2883.6	2961.4	3077.6	3264.1	3522.4	3929.6	4456.3	5123.5	5883.5
65°	2666.3	2658.7	2708.1	2796.7	2922.9	3103.5	3348.5	3739.8	4351.0	5230.5	6308.2
66°	2559.2	2544.2	2593.5	2683.0	2809.2	3001.5	3236.5	3622.7	4223.1	5126.0	6263.1
67.5°	2372.0	2364.4	2387.9	2458.1	2551.7	2732.3	2977.3	3366.1	3920.4	4811.7	5932.0
70°	1928.0	1911.3	1929.7	1961.4	1997.4	2041.7	2192.2	2500.7	2969.8	3833.4	4779.0
72.5°	1313.5	1305.1	1339.4	1387.9	1484.0	1529.2	1588.6	1638.7	1804.3	2416.3	3333.5
75°	999.1	1004.1	1047.6	1127.9	1251.6	1385.4	1515.8	1563.5	1508.3	1460.6	1892.1
77.5°	560.2	589.4	642.1	744.1	875.4	1064.3	1291.7	1542.6	1668.0	1637.0	1530.9
80°	230.8	226.6	252.5	308.5	353.7	508.3	777.6	1091.9	1444.8	1668.0	1632.9
82.5°	64.4	66.1	85.3	109.5	141.3	179.8	280.9	451.5	735.8	1144.6	1498.3
85°	20.1	20.1	27.6	41.0	48.5	56.0	71.1	117.1	199.8	398.8	808.5
87.5°	4.2	4.2	5.9	11.7	12.5	12.5	15.9	21.7	19.2	17.6	78.6
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5
2.5°	1378.7	1377.0	1377.9	1378.7	1377.9	1377.9	1377.0	1376.2	1377.0	1377.0	1379.5
5°	1377.9	1377.0	1377.9	1377.9	1377.9	1378.7	1378.7	1378.7	1381.2	1381.2	1385.4
7.5°	1379.5	1379.5	1381.2	1381.2	1381.2	1381.2	1382.0	1383.7	1387.9	1387.1	1394.6
10°	1382.9	1384.6	1388.7	1389.6	1389.6	1392.1	1393.7	1397.1	1401.3	1402.9	1409.6
12.5°	1387.1	1395.4	1402.9	1404.6	1407.1	1411.3	1413.8	1415.5	1423.0	1425.5	1433.9
15°	1392.1	1403.8	1413.0	1416.3	1419.7	1424.7	1428.0	1430.5	1437.2	1440.6	1450.6
17.5°	1392.9	1406.3	1417.2	1422.2	1426.4	1432.2	1437.2	1442.2	1449.8	1454.8	1464.8
20°	1392.1	1409.6	1426.4	1433.0	1437.2	1448.1	1455.6	1462.3	1471.5	1476.5	1486.6
22.5°	1401.3	1421.3	1443.9	1452.3	1459.0	1474.0	1484.0	1494.9	1506.6	1510.0	1517.5
25°	1423.0	1443.9	1472.3	1484.0	1495.8	1515.8	1530.0	1545.9	1557.6	1559.3	1561.8
27.5°	1459.8	1479.0	1513.3	1530.9	1550.1	1578.5	1599.4	1615.3	1632.0	1632.0	1630.4
30°	1534.2	1538.4	1574.3	1596.9	1625.3	1667.1	1698.1	1715.6	1728.2	1728.2	1714.0
32.5°	1630.4	1625.3	1658.0	1682.2	1721.5	1780.0	1821.8	1835.2	1848.6	1844.4	1820.2
35°	1769.2	1754.9	1773.3	1810.1	1854.4	1934.7	1978.2	2008.3	2016.6	2004.9	1966.5
37.5°	1943.9	1942.2	1951.4	1992.4	2041.7	2145.4	2189.7	2208.9	2202.2	2181.3	2113.6
40°	2128.7	2123.6	2117.8	2145.4	2200.6	2325.1	2403.7	2413.8	2404.6	2373.6	2288.4
42.5°	2375.3	2375.3	2347.7	2355.2	2401.2	2540.9	2633.7	2665.4	2666.3	2621.1	2507.4
45°	2714.8	2711.4	2662.9	2651.2	2686.3	2823.5	2943.0	2960.6	2960.6	2901.2	2776.6
47.5°	3122.8	3118.6	3070.9	3030.0	3036.7	3184.6	3284.1	3310.9	3287.5	3243.2	3095.2
50°	3582.6	3575.1	3526.6	3488.1	3471.4	3621.1	3705.5	3718.1	3683.8	3631.1	3470.6
52.5°	4049.1	4071.7	4043.3	4022.4	4028.2	4125.2	4212.2	4152.8	4135.3	4078.4	3917.0
55°	4534.9	4604.3	4667.0	4648.6	4670.4	4764.8	4781.6	4703.0	4671.2	4630.2	4450.5
57.5°	5024.0	5226.4	5432.0	5489.7	5543.2	5678.7	5659.4	5530.7	5554.9	5616.0	5413.6
60°	5707.1	6291.5	6813.2	6909.4	7075.8	7191.1	7217.1	7192.0	7304.9	7273.1	7094.2
62.5°	6756.4	7730.4	8456.1	8636.7	8804.0	8798.1	8710.3	8620.0	8731.2	8731.2	8263.8
65°	7505.5	8610.8	9387.5	9537.2	9530.5	9329.0	9121.7	8941.1	8925.2	8801.4	8118.4
66°	7540.6	8678.5	9439.4	9569.8	9519.6	9195.2	8946.9	8717.8	8620.0	8447.8	7748.0
67.5°	7224.6	8487.1	9270.5	9384.2	9252.1	8787.2	8445.3	8138.4	7996.3	7706.2	7047.3
70°	5926.2	7294.0	8433.6	8666.0	8516.3	7927.7	7459.5	7044.8	6773.1	6354.2	5879.3
72.5°	4325.9	5385.2	6619.3	6997.2	6973.8	6432.0	6054.9	5675.3	5318.3	4937.1	4590.1
75°	2811.7	3503.2	4191.3	4412.0	4305.8	3992.3	3722.2	3500.7	3162.1	2897.0	2832.6
77.5°	1605.3	1961.4	1855.3	1827.7	1694.7	1367.8	909.7	637.9	576.1	719.0	788.4
80°	1527.5	1384.6	1133.7	1022.5	939.8	640.4	336.1	236.6	207.3	212.4	228.3
82.5°	1722.3	1795.1	1468.2	1226.5	1067.7	779.2	425.6	198.2	144.6	171.4	192.3
85°	1290.9	1817.6	1801.8	1526.7	1252.5	898.0	503.3	151.3	87.0	120.4	157.2
87.5°	261.7	430.6	414.7	364.5	310.2	216.5	84.4	47.7	43.5	59.4	90.3
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5	1379.5
2.5°	1381.2	1381.2	1382.9	1385.4	1386.2	1386.2	1387.9	1386.2	1389.6	1390.4	1391.2
5°	1388.7	1391.2	1392.9	1397.1	1399.6	1401.3	1403.8	1402.1	1405.5	1406.3	1408.0
7.5°	1397.1	1401.3	1404.6	1406.3	1409.6	1409.6	1410.5	1408.8	1408.0	1405.5	1404.6
10°	1412.1	1414.7	1418.8	1417.2	1415.5	1409.6	1404.6	1397.1	1392.9	1385.4	1381.2
12.5°	1436.4	1438.1	1438.1	1430.5	1419.7	1406.3	1393.7	1381.2	1371.2	1362.8	1357.8
15°	1453.1	1456.5	1452.3	1441.4	1425.5	1407.1	1390.4	1373.7	1360.3	1349.4	1342.7
17.5°	1465.7	1464.8	1457.3	1442.2	1427.2	1411.3	1396.3	1378.7	1362.0	1346.1	1336.1
20°	1484.9	1476.5	1463.1	1447.3	1431.4	1418.0	1406.3	1389.6	1372.0	1350.3	1335.2
22.5°	1510.8	1495.8	1476.5	1459.8	1444.8	1432.2	1418.8	1404.6	1386.2	1362.0	1341.1
25°	1547.6	1521.7	1499.9	1483.2	1469.8	1455.6	1440.6	1422.2	1403.8	1378.7	1353.6
27.5°	1603.6	1565.1	1537.6	1522.5	1510.0	1490.7	1471.5	1449.8	1426.4	1400.4	1372.0
30°	1671.3	1625.3	1593.6	1580.2	1565.1	1543.4	1522.5	1492.4	1459.8	1428.9	1393.7
32.5°	1750.8	1703.9	1672.2	1662.1	1637.9	1612.8	1583.5	1543.4	1500.8	1454.8	1413.0
35°	1871.2	1811.8	1782.5	1759.1	1725.7	1695.6	1646.2	1593.6	1532.5	1471.5	1419.7
37.5°	1994.9	1934.7	1904.6	1872.0	1828.5	1773.3	1707.3	1632.0	1550.9	1475.7	1412.1
40°	2160.4	2095.2	2056.8	2006.6	1936.4	1850.3	1752.4	1649.6	1550.9	1457.3	1380.4
42.5°	2353.6	2293.4	2234.0	2151.2	2038.4	1913.0	1775.8	1643.7	1524.2	1416.3	1335.2
45°	2621.1	2518.3	2423.8	2290.9	2126.2	1949.7	1778.3	1616.1	1478.2	1358.6	1268.3
47.5°	2922.1	2789.2	2622.0	2413.8	2188.9	1964.0	1754.1	1564.3	1405.5	1275.9	1177.2
50°	3269.1	3065.1	2808.4	2511.6	2220.6	1944.7	1696.4	1477.4	1305.1	1156.3	1051.0
52.5°	3666.2	3355.2	2977.3	2581.0	2215.6	1886.2	1601.1	1362.8	1170.5	1012.5	908.8
55°	4106.8	3671.2	3138.7	2625.3	2170.5	1772.5	1451.4	1201.5	1003.3	847.8	756.7
57.5°	4883.6	4225.6	3446.3	2684.7	2076.0	1600.3	1261.6	997.4	818.5	686.4	599.5
60°	6326.6	5194.6	4029.1	2824.3	1933.9	1384.6	1022.5	782.6	632.9	536.8	472.4
62.5°	7219.6	5876.8	4313.4	2804.2	1703.1	1089.4	759.2	580.2	462.4	398.8	358.7
65°	7008.0	5609.3	3966.4	2408.8	1325.2	772.5	502.5	379.6	317.7	285.1	265.9
66°	6720.4	5310.0	3672.9	2157.1	1154.6	645.5	414.7	318.5	273.4	249.2	239.1
67.5°	6117.6	4763.2	3167.9	1727.3	865.3	480.7	306.0	250.0	222.4	209.9	203.2
70°	5120.2	3837.6	2240.7	1020.0	469.0	260.9	195.6	173.9	167.2	163.0	160.5
72.5°	3958.9	2778.3	1309.3	501.6	236.6	168.9	148.8	139.6	137.1	137.1	138.0
75°	2494.0	1596.9	586.1	241.6	160.5	136.3	127.1	122.9	123.7	124.6	123.7
77.5°	828.6	551.0	244.1	171.4	139.6	123.7	116.2	114.5	116.2	117.1	117.1
80°	238.3	208.2	176.4	151.3	127.9	115.4	108.7	107.9	112.0	112.9	111.2
82.5°	183.1	171.4	159.7	146.3	122.9	108.7	106.2	107.0	109.5	107.9	100.3
85°	168.1	166.4	119.6	118.7	107.0	103.7	101.2	102.0	99.5	90.3	81.9
87.5°	94.5	87.8	67.7	68.6	79.4	81.9	67.7	71.9	66.9	58.5	53.5
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):

	160°	165°	170°	175°	180°
0°	1379.5	1379.5	1379.5	1379.5	1379.5
2.5°	1392.9	1392.1	1392.1	1394.6	1391.2
5°	1408.8	1408.0	1408.0	1410.5	1408.0
7.5°	1401.3	1398.8	1397.1	1396.3	1396.3
10°	1376.2	1373.7	1368.7	1367.0	1365.3
12.5°	1350.3	1347.8	1341.9	1341.9	1340.2
15°	1334.4	1331.0	1326.9	1324.4	1322.7
17.5°	1326.0	1321.0	1316.0	1313.5	1311.8
20°	1322.7	1316.0	1310.1	1306.0	1306.0
22.5°	1323.5	1315.2	1308.5	1303.5	1301.8
25°	1331.9	1319.3	1311.0	1306.0	1304.3
27.5°	1343.6	1328.5	1317.7	1311.0	1308.5
30°	1359.5	1338.6	1323.5	1315.2	1311.8
32.5°	1370.3	1341.1	1321.8	1310.1	1306.0
35°	1369.5	1331.9	1308.5	1293.4	1288.4
37.5°	1354.5	1310.1	1279.2	1260.8	1252.5
40°	1321.0	1270.0	1237.4	1219.8	1209.8
42.5°	1272.5	1217.3	1188.1	1168.8	1158.0
45°	1196.4	1142.1	1106.1	1091.1	1076.9
47.5°	1091.1	1035.9	1005.0	983.2	974.0
50°	967.3	912.2	879.6	862.0	853.6
52.5°	831.9	779.2	755.8	739.1	727.4
55°	691.4	642.9	632.9	614.5	603.7
57.5°	559.3	530.9	521.7	503.3	494.1
60°	437.3	428.1	418.0	406.3	401.3
62.5°	338.6	330.3	327.7	320.2	319.4
65°	258.3	259.2	257.5	255.8	254.2
66°	234.9	234.1	234.9	233.3	232.4
67.5°	199.8	203.2	205.7	204.8	204.8
70°	162.2	164.7	168.1	167.2	167.2
72.5°	138.8	143.0	144.6	143.8	143.8
75°	125.4	129.6	129.6	127.9	127.1
77.5°	117.1	118.7	117.1	115.4	113.7
80°	108.7	107.0	104.5	102.0	100.3
82.5°	94.5	90.3	87.8	83.6	83.6
85°	76.1	72.7	66.9	62.7	58.5
87.5°	49.3	47.7	43.5	32.6	25.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)