

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: P145321

Luminaire Tested: **VPL-E03-LED-E1-GL3-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145321
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33702)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VPL-E03-LED-E1-GL3-7050
Description: VALET LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ GLARE CONTROL
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9138.6 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

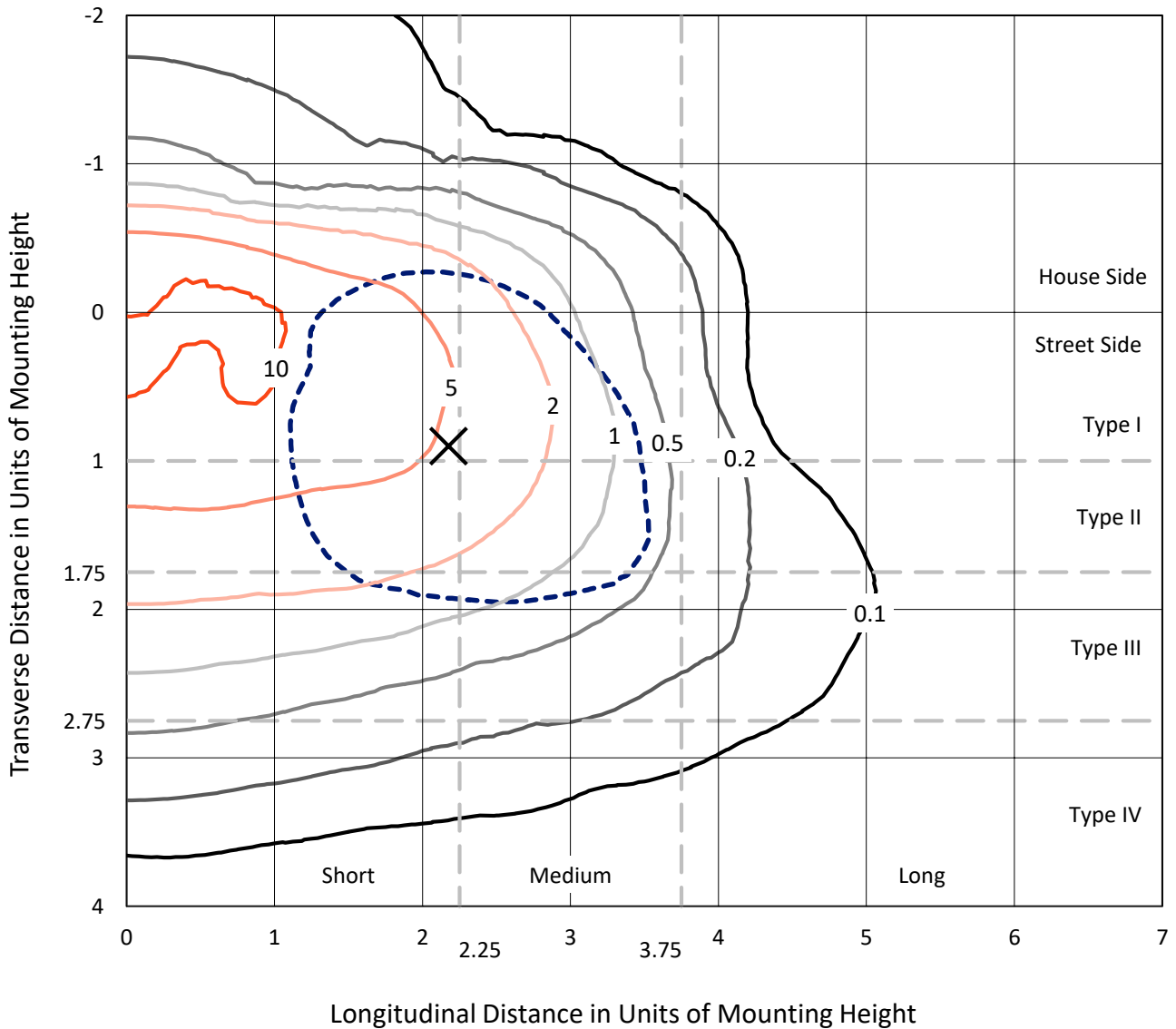
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

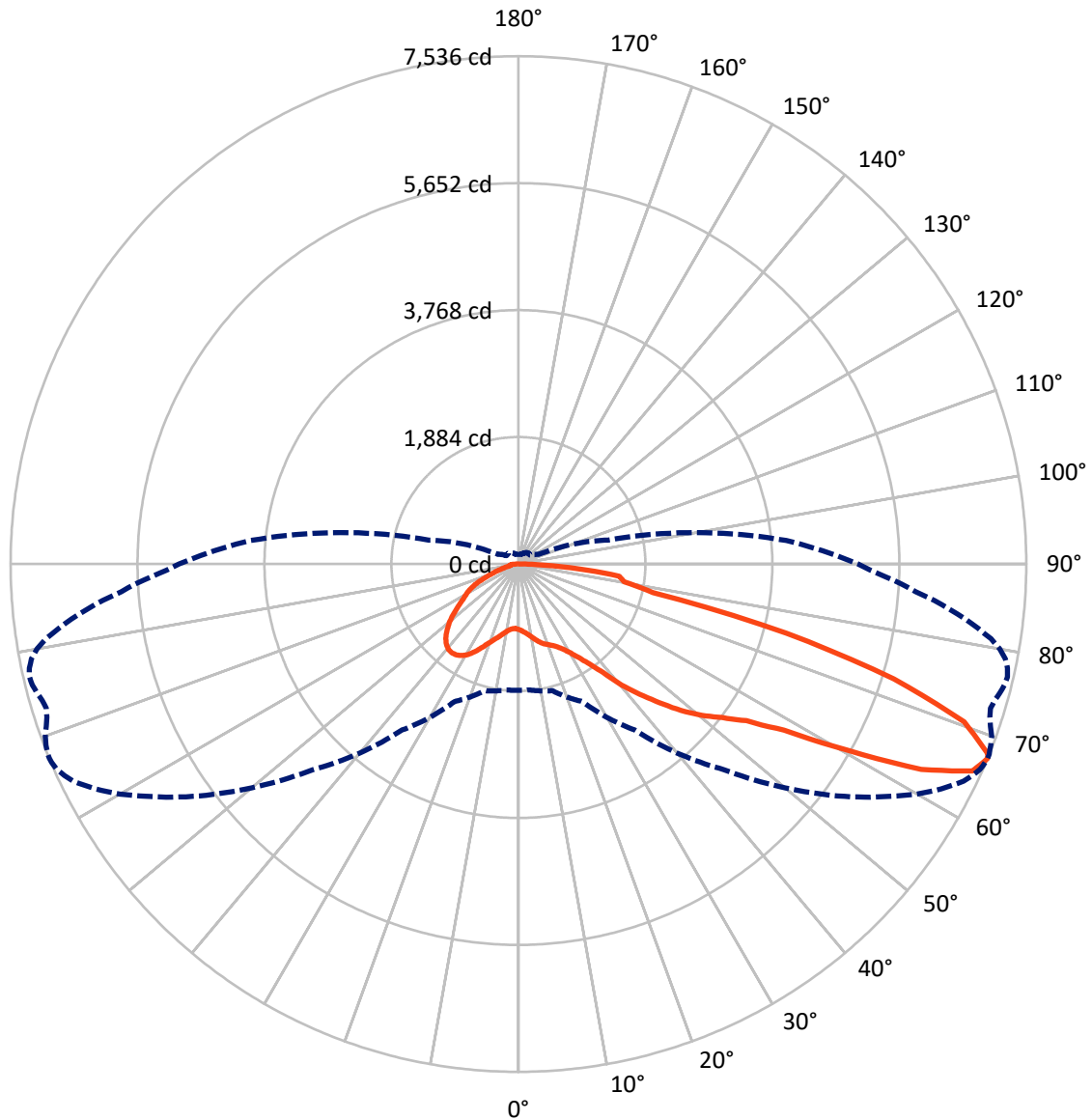
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2164.0	0.0	2164.0
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	6974.6	0.0	6974.6
	% Fixture	76.3	0.0	76.3
Total	Lumens	9138.6	0.0	9138.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.0	1.1
10°-20°	332.2	3.6
20°-30°	591.5	6.5
30°-40°	861.6	9.4
40°-50°	1327.5	14.5
50°-60°	1944.2	21.3
60°-70°	2581.7	28.3
70°-80°	1216.9	13.3
80°-90°	186.0	2.0
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°	9138.6	100.0
0°-180°	9138.6	100.0



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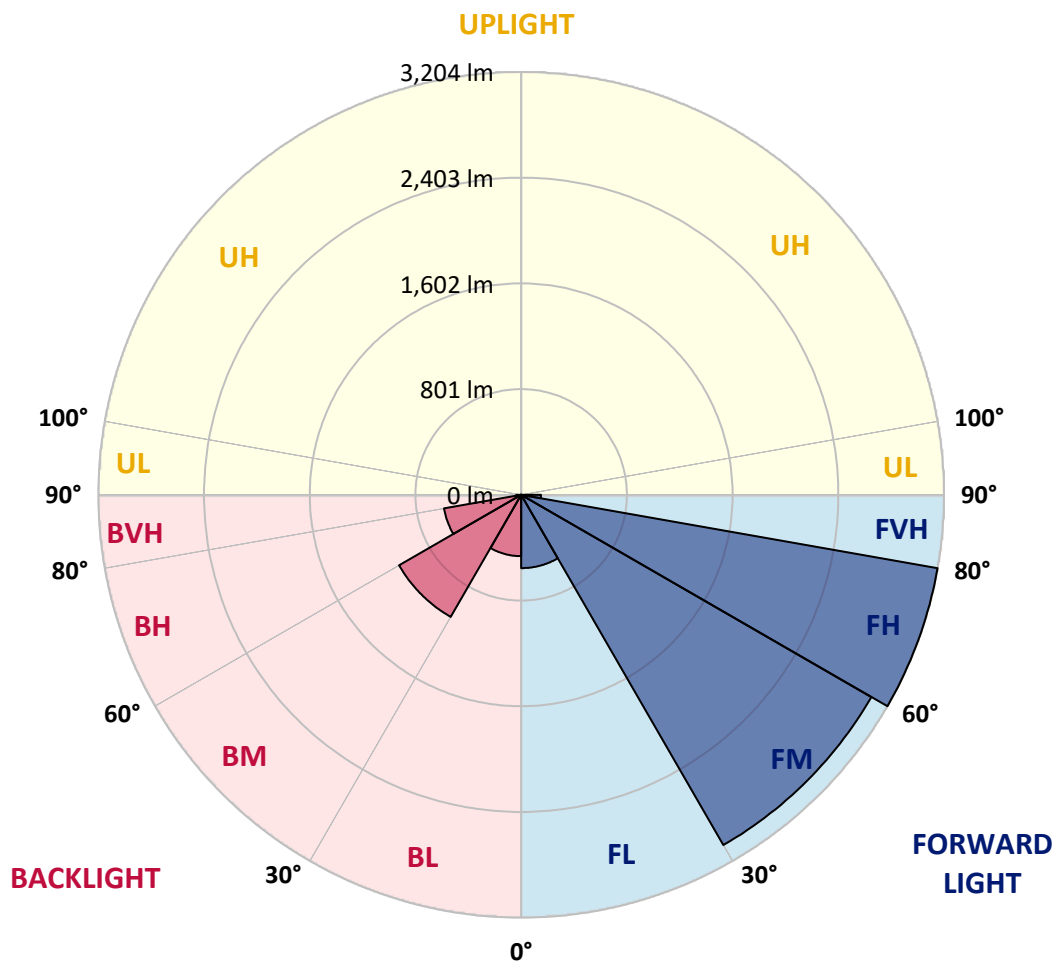
CATALOG NUMBER: VPL-E03-LED-E1-GL3-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	555.6	6.1			
FM	(30°-60°)	3064.6	33.5			
FH	(60°-80°)	3204.5	35.1			G2/5000
FVH	(80°-90°)	149.9	1.6			G2/225
BL	(0°-30°)	465.2	5.1	B1/500		
BM	(30°-60°)	1068.6	11.7	B2/2500		
BH	(60°-80°)	594.1	6.5	B2/1000		G2/1000
BVH	(80°-90°)	36.1	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1
2.5°	1020.8	1016.5	1017.1	1018.9	1012.8	1009.7	1002.9	998.6	998.0	997.4	994.9
5°	1080.5	1076.2	1078.0	1073.1	1061.4	1053.4	1039.2	1031.9	1030.6	1029.4	1026.3
7.5°	1142.7	1137.1	1131.0	1125.4	1112.5	1099.6	1081.1	1070.0	1068.8	1066.9	1065.1
10°	1216.6	1208.5	1203.6	1186.4	1164.2	1146.4	1127.9	1116.2	1115.6	1113.7	1110.0
12.5°	1299.7	1291.0	1281.8	1259.0	1224.6	1198.1	1176.5	1169.8	1164.2	1164.8	1161.1
15°	1382.2	1372.9	1360.6	1331.7	1286.1	1246.7	1219.0	1209.2	1209.8	1206.7	1208.5
17.5°	1451.7	1443.7	1425.9	1388.9	1336.0	1281.8	1246.7	1242.4	1243.6	1243.0	1244.9
20°	1497.3	1492.4	1465.3	1421.0	1361.2	1301.5	1265.8	1265.8	1266.4	1268.9	1273.2
22.5°	1525.0	1517.6	1481.9	1419.7	1360.6	1310.7	1283.0	1289.2	1292.9	1294.7	1301.5
25°	1540.4	1531.2	1482.5	1400.0	1339.7	1317.5	1308.9	1324.3	1330.4	1333.5	1344.6
27.5°	1540.4	1529.3	1474.5	1375.4	1315.7	1337.8	1358.2	1384.6	1388.9	1398.2	1411.1
30°	1523.2	1514.5	1462.2	1356.9	1309.5	1376.0	1437.6	1467.7	1478.2	1488.7	1505.3
32.5°	1504.7	1497.3	1456.0	1366.8	1344.0	1456.0	1558.9	1600.1	1606.3	1614.9	1632.1
35°	1503.4	1501.0	1483.1	1429.6	1448.0	1602.6	1741.7	1770.0	1787.3	1791.6	1799.0
37.5°	1516.4	1521.3	1536.7	1531.2	1597.6	1820.5	1981.2	2037.8	2051.4	2044.0	2050.8
40°	1546.5	1558.9	1616.1	1686.9	1826.1	2084.0	2307.5	2372.8	2387.5	2383.2	2381.4
42.5°	1642.0	1658.6	1742.9	1894.4	2063.7	2356.8	2610.4	2680.6	2685.5	2688.0	2672.0
45°	1791.6	1800.8	1912.9	2106.2	2321.1	2650.4	2912.7	2990.9	2987.8	2975.5	2963.8
47.5°	1961.5	1980.6	2114.8	2348.8	2587.0	2921.9	3218.7	3295.0	3301.8	3290.7	3269.2
50°	2116.0	2130.8	2282.3	2559.9	2821.6	3147.9	3476.7	3553.6	3552.4	3558.5	3564.7
52.5°	2237.9	2251.5	2395.5	2700.9	2994.0	3337.5	3671.2	3766.0	3780.8	3790.6	3803.0
55°	2300.7	2314.9	2447.9	2759.4	3098.6	3522.8	3895.9	4032.0	4057.2	4079.4	4099.7
57.5°	2302.0	2320.4	2442.3	2755.1	3152.8	3688.4	4193.3	4437.7	4473.4	4530.1	4599.6
60°	2264.4	2290.3	2399.9	2715.1	3215.0	3898.4	4683.4	5151.3	5221.4	5320.6	5409.8
62.5°	2166.5	2192.4	2290.3	2613.5	3287.6	4167.4	5391.4	6077.2	6226.8	6336.4	6513.1
65°	2012.0	2036.6	2119.1	2445.4	3229.8	4379.8	5919.0	6741.5	6894.2	7031.5	7239.0
67°	1874.1	1876.5	1946.1	2252.7	3004.4	4314.0	6024.9	6830.2	6971.2	7110.3	7351.0
67.5°	1825.4	1839.0	1893.2	2188.7	2918.9	4265.3	5983.0	6782.1	6918.8	7067.2	7312.8
70°	1475.7	1479.4	1531.8	1746.0	2316.1	3536.4	5374.1	6169.6	6263.1	6480.5	6721.8
72.5°	900.1	893.9	910.6	1069.4	1524.4	2449.1	4302.9	5079.2	5207.3	5392.6	5555.7
75°	495.6	525.2	545.5	655.7	856.4	1440.0	2929.9	3674.9	3862.7	3972.9	4005.5
77.5°	302.9	300.4	309.7	423.0	702.5	985.1	1618.6	2156.1	2260.7	2292.1	2170.8
80°	144.1	149.6	147.8	174.2	340.5	831.1	1131.6	1384.6	1437.6	1467.7	1507.1
82.5°	78.8	81.9	93.0	104.0	134.2	357.7	976.4	1276.9	1312.6	1364.3	1422.2
85°	49.3	51.7	71.4	75.1	82.5	110.2	407.0	746.2	776.4	879.2	911.8
87.5°	20.3	22.2	38.8	35.1	41.9	38.8	123.1	189.6	201.3	214.3	237.6
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):

	65°	66°	67°	67.5°	68°	69°	70°	71°	72°	73°	74°
0°	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1
2.5°	995.5	994.9	992.4	991.8	993.1	993.1	991.8	990.0	989.4	988.8	987.5
5°	1025.1	1023.8	1022.0	1020.8	1020.2	1020.2	1018.3	1016.5	1014.6	1012.2	1011.5
7.5°	1060.2	1060.2	1059.6	1057.7	1055.9	1053.4	1051.6	1049.7	1047.9	1046.6	1044.8
10°	1106.3	1108.8	1104.5	1103.3	1102.7	1099.0	1098.3	1096.5	1095.3	1092.2	1092.2
12.5°	1161.1	1158.7	1158.1	1155.6	1155.6	1153.8	1153.1	1152.5	1151.3	1148.8	1148.2
15°	1206.7	1206.7	1206.1	1204.9	1206.1	1204.9	1203.0	1204.2	1202.4	1203.0	1201.2
17.5°	1243.6	1246.1	1245.5	1246.1	1245.5	1245.5	1246.7	1246.7	1247.9	1245.5	1246.1
20°	1274.4	1278.1	1280.0	1278.7	1280.0	1280.6	1283.7	1284.9	1286.7	1288.0	1288.0
22.5°	1306.4	1311.4	1315.1	1315.1	1317.5	1320.0	1325.5	1326.8	1331.1	1330.4	1333.5
25°	1351.4	1359.4	1361.8	1365.5	1368.6	1372.9	1379.7	1382.8	1384.6	1388.9	1393.9
27.5°	1420.3	1430.2	1432.0	1436.3	1444.3	1446.8	1454.2	1457.3	1464.0	1473.3	1475.1
30°	1514.5	1526.8	1527.5	1532.4	1541.6	1544.7	1550.9	1558.9	1564.4	1573.6	1574.3
32.5°	1642.6	1654.9	1653.1	1662.3	1661.7	1670.9	1669.1	1681.4	1686.3	1691.2	1704.8
35°	1813.1	1811.9	1821.1	1824.2	1822.4	1829.8	1828.5	1834.1	1839.0	1839.0	1853.8
37.5°	2058.8	2056.9	2055.7	2042.8	2039.7	2040.3	2037.8	2042.8	2034.8	2034.8	2050.8
40°	2388.2	2377.1	2368.5	2359.8	2351.2	2339.5	2329.7	2327.2	2313.7	2313.0	2306.9
42.5°	2674.4	2664.0	2657.8	2641.2	2632.6	2630.7	2606.7	2599.9	2596.3	2598.7	2592.6
45°	2974.9	2963.8	2940.4	2933.0	2930.6	2917.6	2913.9	2897.3	2892.4	2901.0	2897.9
47.5°	3284.6	3268.6	3255.6	3247.0	3243.9	3232.8	3216.8	3230.4	3223.6	3218.7	3209.5
50°	3562.8	3545.0	3545.0	3529.6	3532.1	3524.7	3508.0	3511.7	3492.7	3500.0	3495.1
52.5°	3796.2	3797.4	3803.6	3786.3	3789.4	3789.4	3783.9	3766.0	3770.9	3768.5	3780.2
55°	4092.9	4113.2	4102.2	4105.2	4108.9	4126.2	4138.5	4128.0	4110.8	4124.3	4161.9
57.5°	4611.9	4630.4	4641.5	4650.1	4664.3	4672.3	4738.8	4748.0	4728.3	4768.9	4852.7
60°	5514.5	5536.7	5569.9	5613.6	5622.9	5678.9	5713.4	5754.0	5768.8	5803.9	5893.7
62.5°	6599.9	6649.8	6655.9	6711.3	6754.4	6702.1	6715.7	6765.5	6708.9	6786.5	6790.2
65°	7310.4	7383.0	7385.5	7405.8	7421.8	7372.6	7350.4	7328.2	7274.7	7271.6	7325.2
67°	7432.3	7498.8	7526.5	7536.3	7533.9	7508.6	7472.3	7408.3	7356.6	7327.0	7349.2
67.5°	7397.8	7463.1	7501.9	7511.1	7511.7	7487.1	7453.8	7384.3	7335.6	7302.4	7325.8
70°	6831.4	6984.1	7050.6	7016.1	7035.8	7035.8	7034.6	6970.5	6946.5	6914.5	6902.2
72.5°	5680.1	5786.0	5870.3	5825.4	5830.9	5872.8	5863.0	5869.7	5800.8	5793.4	5679.5
75°	4068.9	4102.8	4074.5	4106.5	3934.1	3872.5	3767.9	3615.2	3575.2	3511.7	3322.1
77.5°	2161.6	2123.4	2047.7	2041.5	1970.7	1915.9	1848.2	1803.9	1691.8	1629.7	1487.4
80°	1526.8	1545.3	1574.3	1591.5	1607.5	1619.8	1594.6	1523.8	1430.2	1325.5	1226.4
82.5°	1458.5	1483.7	1501.0	1509.6	1503.4	1483.7	1425.9	1358.2	1233.2	1142.7	1035.5
85°	919.8	940.1	905.0	897.6	913.0	788.7	720.3	664.9	538.7	501.1	442.7
87.5°	246.9	260.4	261.0	253.0	248.1	218.6	193.3	171.2	141.6	133.0	107.7
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):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1
2.5°	987.5	986.9	986.9	985.1	983.8	983.2	982.6	980.8	979.5	979.5	978.9
5°	1010.9	1009.7	1007.8	1007.2	1004.8	1003.5	1001.1	999.8	998.0	996.8	996.1
7.5°	1044.2	1041.1	1037.4	1038.0	1034.3	1032.5	1031.2	1028.8	1026.9	1025.1	1024.5
10°	1088.5	1087.9	1084.2	1085.4	1078.6	1081.7	1075.6	1076.2	1072.5	1068.8	1068.2
12.5°	1145.1	1144.5	1140.8	1136.5	1135.3	1135.9	1132.2	1132.8	1128.5	1127.3	1126.0
15°	1199.3	1198.1	1196.2	1193.2	1191.3	1190.7	1189.5	1188.2	1184.5	1184.5	1180.2
17.5°	1246.1	1246.7	1244.3	1241.8	1240.6	1238.7	1238.1	1238.1	1235.0	1231.9	1232.6
20°	1287.4	1288.6	1288.6	1286.7	1287.4	1286.1	1285.5	1286.7	1283.7	1282.4	1280.6
22.5°	1333.5	1333.5	1334.1	1335.4	1337.2	1337.8	1337.8	1336.6	1334.8	1334.1	1330.4
25°	1397.6	1395.1	1398.2	1399.4	1399.4	1402.5	1401.2	1401.9	1402.5	1400.6	1398.8
27.5°	1478.2	1475.7	1481.9	1486.2	1485.6	1487.4	1491.1	1486.8	1489.3	1491.1	1486.8
30°	1577.3	1583.5	1587.8	1590.9	1589.6	1595.2	1597.0	1596.4	1594.6	1597.6	1597.6
32.5°	1703.5	1700.5	1711.5	1718.3	1718.9	1717.7	1720.8	1724.5	1721.4	1726.3	1723.9
35°	1853.8	1855.6	1858.1	1865.5	1868.5	1863.6	1868.5	1872.8	1871.6	1872.2	1874.7
37.5°	2047.7	2050.8	2048.3	2048.9	2047.7	2071.1	2074.8	2078.5	2074.2	2070.5	2081.6
40°	2316.7	2316.7	2316.1	2324.1	2310.6	2325.4	2321.1	2331.5	2342.6	2336.4	2353.1
42.5°	2581.5	2596.3	2597.5	2585.8	2595.6	2611.6	2611.6	2618.4	2628.3	2618.4	2634.4
45°	2885.0	2903.5	2900.4	2920.1	2905.3	2923.8	2926.9	2918.2	2939.8	2942.3	2936.1
47.5°	3216.2	3219.9	3220.5	3227.3	3230.4	3245.2	3244.5	3260.6	3255.6	3231.0	3239.6
50°	3500.0	3509.3	3514.2	3518.5	3533.9	3544.4	3558.5	3561.0	3557.3	3549.9	3543.1
52.5°	3783.9	3806.0	3820.2	3858.4	3882.4	3901.5	3924.9	3933.5	3929.2	3927.3	3900.2
55°	4163.7	4216.7	4298.6	4351.5	4409.4	4443.2	4470.3	4483.9	4474.0	4479.0	4422.9
57.5°	4879.1	5003.5	5074.9	5165.4	5267.6	5310.1	5321.8	5369.8	5316.9	5263.9	5221.4
60°	5942.4	6056.9	6186.8	6279.8	6314.2	6431.8	6376.4	6314.2	6257.6	6148.0	6024.3
62.5°	6902.2	7050.0	7116.5	7203.3	7179.9	7170.0	7133.1	7034.0	6912.7	6749.5	6584.5
65°	7375.6	7458.8	7500.0	7528.3	7501.9	7433.5	7311.6	7165.1	6991.5	6780.3	6563.6
67°	7394.7	7432.9	7446.4	7419.4	7360.3	7253.7	7099.8	6892.4	6678.7	6436.8	6193.0
67.5°	7363.3	7388.6	7395.3	7352.9	7282.7	7167.6	7003.2	6781.5	6554.4	6303.2	6058.1
70°	6934.8	6916.4	6856.6	6798.2	6579.0	6424.4	6138.2	5901.7	5586.5	5355.7	5094.0
72.5°	5633.9	5549.6	5491.7	5233.1	4968.4	4815.1	4507.3	4224.7	3937.2	3717.4	3556.7
75°	3162.7	3101.1	2940.4	2803.7	2585.2	2385.1	2241.6	2061.9	1889.5	1787.3	1712.2
77.5°	1429.0	1252.9	1131.6	978.3	790.5	635.4	471.6	435.9	371.9	355.9	320.8
80°	1115.0	988.8	829.9	654.5	461.7	310.3	227.8	193.3	181.6	174.2	170.5
82.5°	930.3	766.5	645.2	458.1	293.1	197.0	148.4	134.2	125.6	119.4	113.9
85°	397.7	314.6	259.2	185.3	131.8	104.0	91.1	83.1	75.1	68.3	64.0
87.5°	93.0	71.4	65.3	55.4	52.3	51.7	51.1	48.6	45.6	41.9	37.6
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):

	86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°
0°	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1	972.1
2.5°	978.3	977.7	976.4	974.6	974.6	972.1	964.1	958.6	952.4	948.7	945.0
5°	994.9	994.3	991.2	989.4	988.1	983.2	969.7	959.2	948.1	940.1	934.0
7.5°	1022.6	1020.8	1018.3	1017.1	1013.4	1007.2	987.5	972.7	956.7	943.8	933.3
10°	1067.6	1064.5	1060.8	1057.1	1058.3	1048.5	1025.7	1004.1	980.8	960.4	946.3
12.5°	1122.4	1122.4	1120.5	1118.0	1113.7	1102.7	1071.9	1046.6	1018.3	993.1	982.6
15°	1180.2	1177.1	1174.1	1170.4	1169.8	1155.0	1127.3	1098.3	1068.8	1047.2	1034.9
17.5°	1227.6	1228.9	1224.6	1223.3	1222.1	1207.3	1177.8	1151.9	1130.4	1107.6	1087.9
20°	1278.1	1275.7	1274.4	1272.6	1272.0	1259.6	1236.3	1220.2	1201.2	1166.7	1115.0
22.5°	1332.3	1329.2	1330.4	1326.8	1326.1	1317.5	1300.3	1295.4	1267.0	1194.4	1104.5
25°	1402.5	1396.9	1398.8	1398.8	1399.4	1391.4	1389.6	1380.9	1309.5	1187.6	1062.6
27.5°	1486.2	1488.7	1488.7	1488.1	1483.7	1486.2	1494.8	1465.3	1324.3	1151.9	999.8
30°	1595.2	1596.4	1597.6	1602.0	1592.7	1608.7	1619.2	1525.0	1313.2	1102.7	921.0
32.5°	1727.6	1722.6	1725.1	1727.6	1730.6	1747.3	1741.1	1555.2	1280.6	1035.5	823.1
35°	1873.5	1882.7	1885.2	1890.7	1896.9	1922.1	1851.3	1561.3	1230.7	945.7	698.2
37.5°	2090.8	2105.6	2105.6	2125.3	2113.6	2144.4	1949.8	1546.5	1155.0	820.7	557.2
40°	2364.8	2371.5	2378.3	2380.8	2374.6	2370.9	2014.5	1510.2	1048.5	663.7	407.6
42.5°	2644.3	2641.8	2642.4	2646.7	2630.1	2560.5	2054.5	1446.8	916.1	495.6	292.4
45°	2945.3	2934.9	2931.8	2923.2	2908.4	2761.9	2077.2	1357.5	741.9	348.5	229.6
47.5°	3238.4	3225.5	3205.8	3181.7	3153.4	2923.8	2074.8	1241.8	568.9	249.3	202.6
50°	3538.8	3516.1	3473.6	3450.2	3402.2	3084.5	2060.6	1113.1	409.4	206.2	189.6
52.5°	3882.4	3841.7	3802.3	3755.5	3676.1	3282.1	2039.1	968.4	298.6	189.0	181.0
55°	4394.6	4328.1	4263.5	4166.2	4089.2	3546.8	2002.8	812.7	235.8	182.2	176.1
57.5°	5100.8	4987.5	4905.6	4774.5	4651.3	3913.2	1964.0	671.1	210.6	180.4	173.6
60°	5895.6	5725.1	5572.4	5411.1	5270.7	4370.6	1943.6	560.3	205.0	182.2	174.2
62.5°	6394.3	6193.0	6002.1	5805.1	5603.2	4589.2	1855.6	483.9	207.5	190.2	179.2
65°	6331.5	6109.2	5901.7	5661.6	5471.4	4382.9	1631.5	409.4	211.8	204.4	192.7
67°	5907.9	5692.4	5456.0	5220.8	5036.1	3990.7	1377.2	344.8	216.7	220.4	207.5
67.5°	5794.6	5552.1	5313.8	5097.7	4897.6	3869.4	1310.7	328.8	217.9	224.7	212.4
70°	4832.3	4640.3	4361.4	4201.3	4056.6	3136.8	977.7	255.5	221.6	243.8	235.8
72.5°	3381.2	3195.3	3049.4	2962.0	2877.6	2279.2	687.7	203.8	216.1	254.3	246.3
75°	1707.8	1665.4	1614.3	1585.9	1587.2	1324.9	414.3	173.6	203.2	243.8	223.5
77.5°	337.4	328.8	332.5	363.9	358.3	408.2	205.6	147.1	173.0	187.8	160.7
80°	163.2	157.6	152.7	151.5	148.4	142.2	129.3	122.5	140.4	123.7	106.5
82.5°	105.9	99.7	97.3	92.3	93.0	101.0	112.7	117.6	113.9	85.6	72.0
85°	59.7	59.1	57.9	59.1	61.6	80.7	120.7	110.2	91.7	60.3	54.2
87.5°	35.7	33.9	34.5	35.1	36.3	59.7	95.4	79.4	58.5	31.4	32.0
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):

	155°	165°	175°	180°
0°	972.1	972.1	972.1	972.1
2.5°	944.4	942.0	942.0	941.3
5°	929.0	925.3	924.7	924.7
7.5°	926.6	921.6	921.0	919.2
10°	937.7	935.8	936.4	934.6
12.5°	972.7	975.2	977.7	977.7
15°	1026.3	1024.5	1027.5	1024.5
17.5°	1065.7	1049.7	1046.0	1044.2
20°	1066.9	1033.7	1022.6	1020.8
22.5°	1028.8	979.5	961.1	958.0
25°	964.1	901.9	878.6	876.1
27.5°	882.9	813.3	778.8	777.6
30°	785.0	702.5	658.8	652.0
32.5°	665.5	567.6	521.5	506.7
35°	527.6	427.3	384.2	382.9
37.5°	394.0	315.8	288.1	286.9
40°	288.7	248.1	237.6	235.8
42.5°	235.8	219.2	214.9	213.0
45°	211.2	204.4	201.9	200.1
47.5°	196.4	192.1	190.2	190.2
50°	184.7	183.5	182.2	182.2
52.5°	176.7	176.1	174.8	174.2
55°	169.9	167.5	168.1	167.5
57.5°	165.6	161.9	161.9	161.9
60°	163.2	156.4	156.4	157.0
62.5°	163.8	153.3	152.7	152.7
65°	168.7	151.5	147.8	148.4
67°	174.8	149.6	142.2	141.6
67.5°	176.7	148.4	140.4	139.8
70°	184.1	144.7	131.1	129.9
72.5°	185.3	139.1	121.9	120.7
75°	172.4	131.8	114.5	111.4
77.5°	134.2	113.3	103.4	103.4
80°	94.2	86.8	73.9	73.3
82.5°	69.0	65.3	54.2	52.9
85°	50.5	47.4	40.0	40.0
87.5°	31.4	30.2	25.9	24.6
90°	0.0	0.0	0.0	0.0

(END OF REPORT)