

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: P145329

Luminaire Tested: **VPL-E04-LED-E1-GL3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145329
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-E04-LED-E1-GL3-7030
Description: VALET LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ GLARE CONTROL
Light Source: (84) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10845.9 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

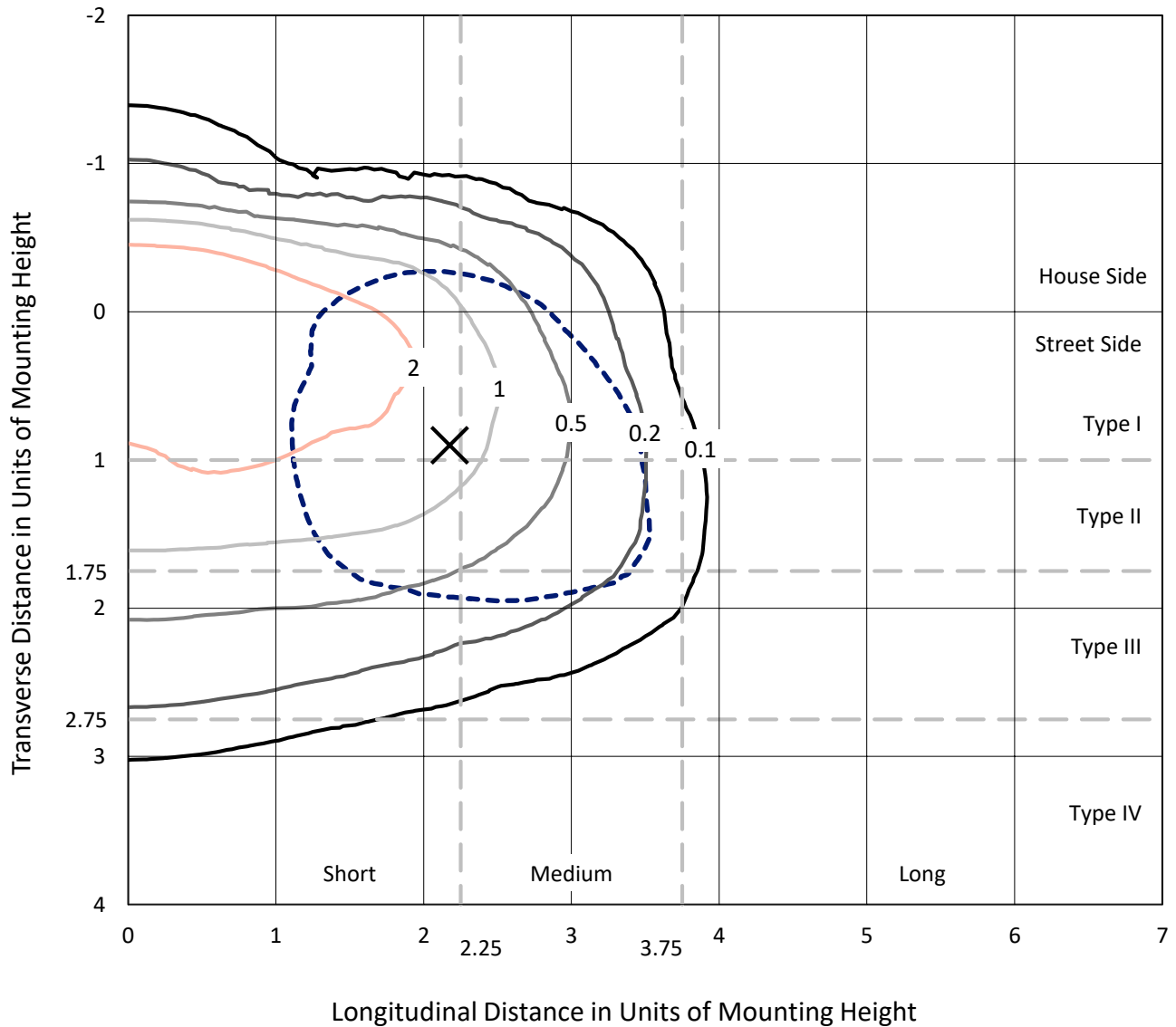
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

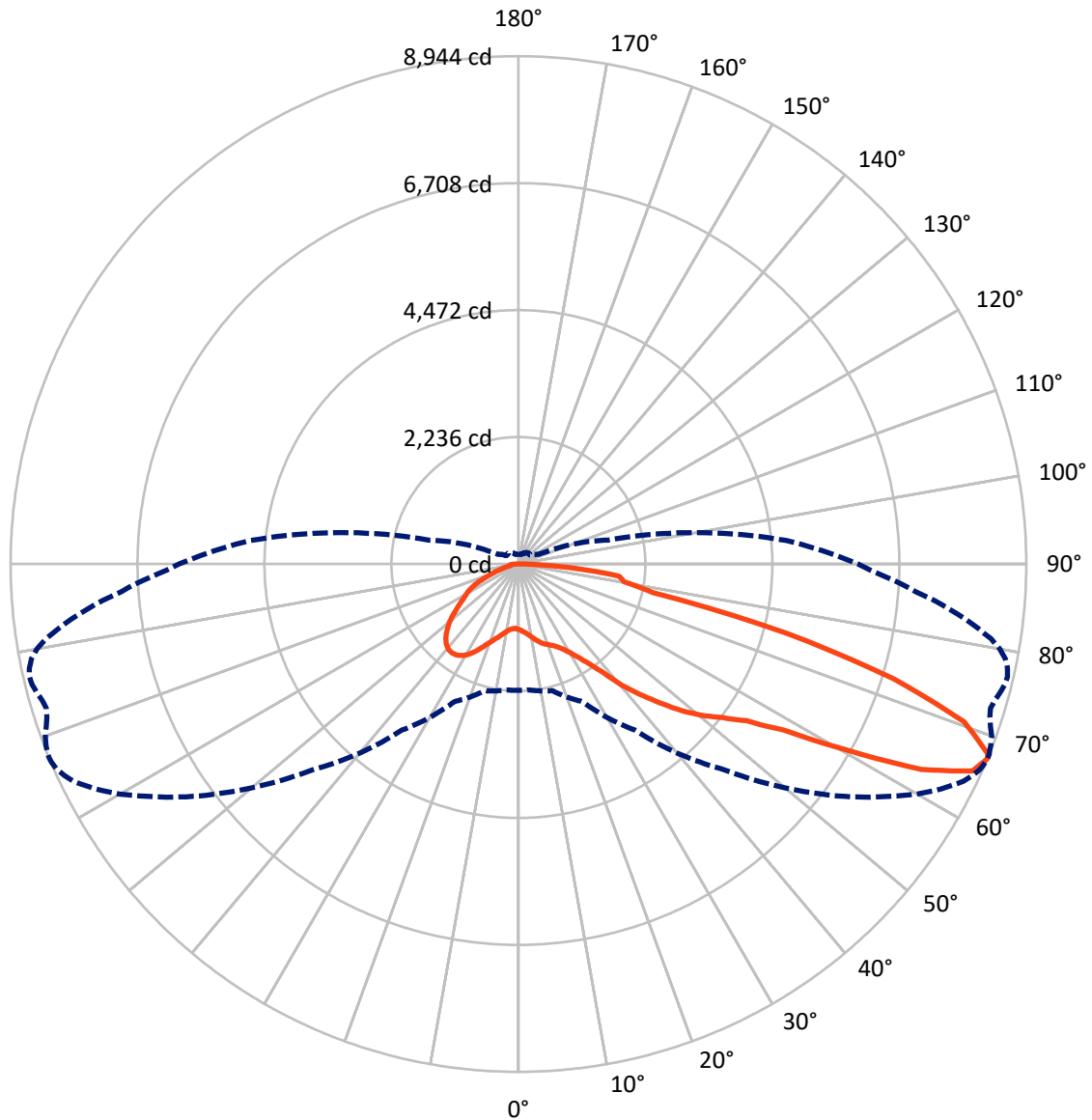
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.7 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	2568.3	0.0	2568.3
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	8277.6	0.0	8277.6
	% Fixture	76.3	0.0	76.3
Total	Lumens	10845.9	0.0	10845.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.2	1.1
10°-20°	394.3	3.6
20°-30°	702.0	6.5
30°-40°	1022.5	9.4
40°-50°	1575.5	14.5
50°-60°	2307.4	21.3
60°-70°	3064.0	28.2
70°-80°	1444.3	13.3
80°-90°	220.8	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°	10845.9	100.0
0°-180°	10845.9	100.0



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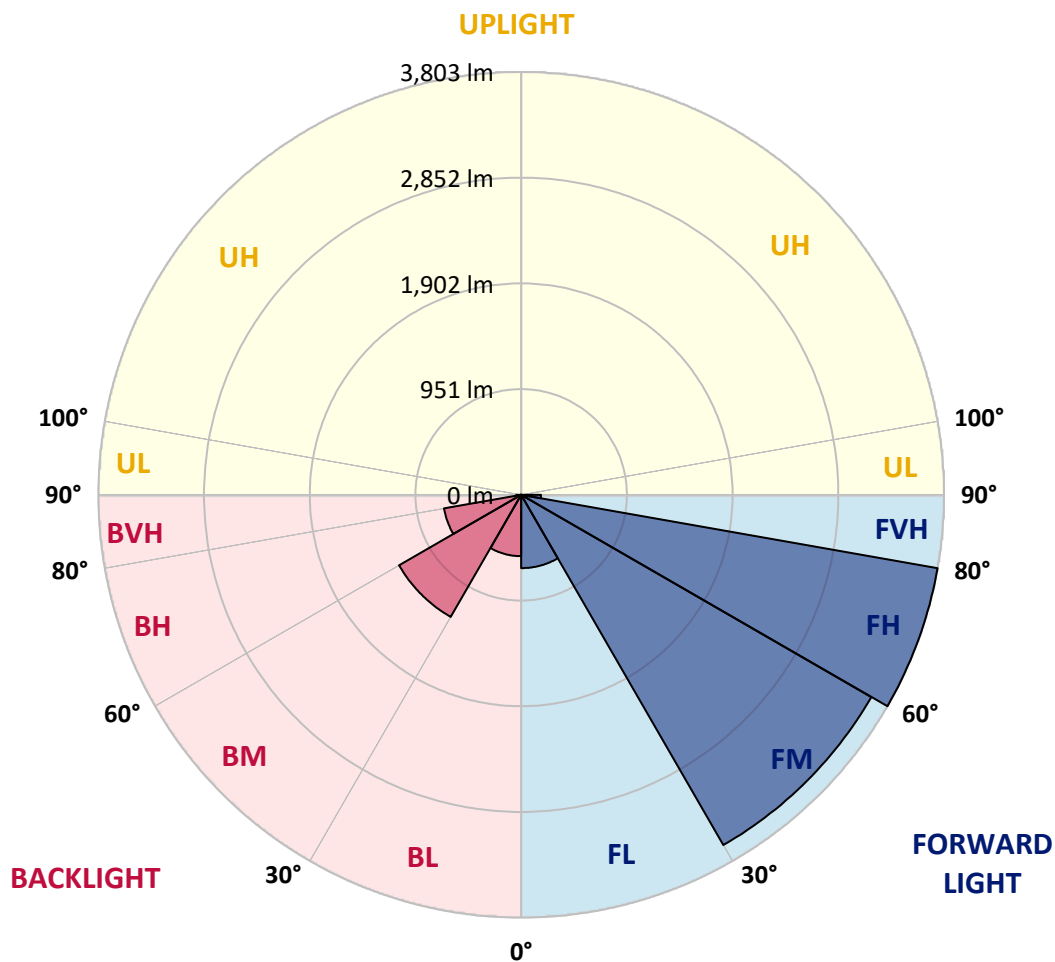
CATALOG NUMBER: VPL-E04-LED-E1-GL3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	659.3	6.1			
FM	(30°-60°)	3637.2	33.5			
FH	(60°-80°)	3803.1	35.1			G2/5000
FVH	(80°-90°)	177.9	1.6			G2/225
BL	(0°-30°)	552.1	5.1	B2/1000		
BM	(30°-60°)	1268.2	11.7	B2/2500		
BH	(60°-80°)	705.1	6.5	B2/1000		G2/1000
BVH	(80°-90°)	42.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7
2.5°	1211.5	1206.4	1207.1	1209.3	1202.0	1198.3	1190.3	1185.2	1184.4	1183.7	1180.8
5°	1282.3	1277.2	1279.4	1273.6	1259.7	1250.2	1233.4	1224.6	1223.2	1221.7	1218.0
7.5°	1356.1	1349.6	1342.3	1335.7	1320.3	1305.0	1283.1	1269.9	1268.5	1266.3	1264.1
10°	1443.8	1434.3	1428.5	1408.0	1381.7	1360.5	1338.6	1324.7	1324.0	1321.8	1317.4
12.5°	1542.5	1532.2	1521.3	1494.2	1453.3	1421.9	1396.3	1388.3	1381.7	1382.4	1378.1
15°	1640.4	1629.4	1614.8	1580.5	1526.4	1479.6	1446.7	1435.1	1435.8	1432.1	1434.3
17.5°	1722.9	1713.4	1692.3	1648.4	1585.6	1521.3	1479.6	1474.5	1476.0	1475.2	1477.4
20°	1777.0	1771.2	1739.0	1686.4	1615.5	1544.7	1502.3	1502.3	1503.0	1505.9	1511.0
22.5°	1809.9	1801.1	1758.7	1684.9	1614.8	1555.6	1522.7	1530.0	1534.4	1536.6	1544.7
25°	1828.2	1817.2	1759.5	1661.6	1590.0	1563.7	1553.4	1571.7	1579.0	1582.7	1595.8
27.5°	1828.2	1815.0	1750.0	1632.3	1561.5	1587.8	1611.9	1643.3	1648.4	1659.4	1674.7
30°	1807.7	1797.5	1735.4	1610.4	1554.2	1633.1	1706.1	1741.9	1754.4	1766.8	1786.5
32.5°	1785.8	1777.0	1728.1	1622.1	1595.1	1728.1	1850.1	1899.0	1906.3	1916.6	1937.0
35°	1784.3	1781.4	1760.2	1696.6	1718.6	1902.0	2067.1	2100.7	2121.2	2126.3	2135.0
37.5°	1799.7	1805.5	1823.8	1817.2	1896.1	2160.6	2351.3	2418.6	2434.6	2425.9	2433.9
40°	1835.5	1850.1	1918.0	2002.1	2167.2	2473.4	2738.6	2816.0	2833.6	2828.5	2826.3
42.5°	1948.7	1968.5	2068.6	2248.3	2449.2	2797.0	3098.1	3181.4	3187.2	3190.2	3171.2
45°	2126.3	2137.2	2270.2	2499.7	2754.7	3145.6	3456.8	3549.6	3546.0	3531.4	3517.5
47.5°	2327.9	2350.6	2509.9	2787.5	3070.3	3467.8	3820.0	3910.6	3918.6	3905.5	3879.9
50°	2511.3	2528.9	2708.6	3038.2	3348.7	3736.0	4126.2	4217.5	4216.0	4223.3	4230.6
52.5°	2656.0	2672.1	2843.1	3205.5	3553.3	3961.0	4357.0	4469.6	4487.1	4498.8	4513.4
55°	2730.6	2747.4	2905.2	3274.9	3677.5	4181.0	4623.7	4785.2	4815.2	4841.5	4865.6
57.5°	2732.0	2753.9	2898.6	3269.8	3741.8	4377.5	4976.7	5266.7	5309.1	5376.3	5458.9
60°	2687.4	2718.1	2848.2	3222.3	3815.6	4626.7	5558.3	6113.6	6196.9	6314.5	6420.5
62.5°	2571.3	2602.0	2718.1	3101.7	3901.8	4946.0	6398.6	7212.5	7390.1	7520.2	7729.9
65°	2387.9	2417.1	2515.0	2902.3	3833.1	5198.1	7024.8	8000.9	8182.2	8345.1	8591.3
67°	2224.2	2227.1	2309.7	2673.6	3565.7	5119.9	7150.4	8106.2	8273.5	8438.6	8724.3
67.5°	2166.5	2182.5	2246.8	2597.6	3464.2	5062.2	7100.8	8049.2	8211.4	8387.5	8679.0
70°	1751.4	1755.8	1817.9	2072.2	2748.8	4197.0	6378.1	7322.1	7433.2	7691.1	7977.6
72.5°	1068.3	1060.9	1080.7	1269.2	1809.2	2906.6	5106.7	6028.1	6180.1	6400.0	6593.7
75°	588.2	623.3	647.4	778.2	1016.4	1709.1	3477.3	4361.4	4584.3	4715.1	4753.8
77.5°	359.5	356.6	367.5	502.0	833.7	1169.1	1921.0	2558.8	2683.1	2720.3	2576.4
80°	171.0	177.6	175.4	206.8	404.1	986.4	1343.0	1643.3	1706.1	1741.9	1788.7
82.5°	93.5	97.2	110.3	123.5	159.3	424.5	1158.9	1515.4	1557.8	1619.2	1687.9
85°	58.5	61.4	84.8	89.1	97.9	130.8	483.0	885.6	921.4	1043.4	1082.1
87.5°	24.1	26.3	46.0	41.6	49.7	46.0	146.1	225.0	238.9	254.3	282.0
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°	67.5°	68°	69°	70°	71°	72°	73°	74°
0°	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7
2.5°	1181.5	1180.8	1177.9	1177.1	1178.6	1178.6	1177.1	1174.9	1174.2	1173.5	1172.0
5°	1216.6	1215.1	1212.9	1211.5	1210.7	1210.7	1208.5	1206.4	1204.2	1201.2	1200.5
7.5°	1258.2	1258.2	1257.5	1255.3	1253.1	1250.2	1248.0	1245.8	1243.6	1242.2	1240.0
10°	1313.0	1316.0	1310.8	1309.4	1308.6	1304.3	1303.5	1301.3	1299.9	1296.2	1296.2
12.5°	1378.1	1375.1	1374.4	1371.5	1371.5	1369.3	1368.6	1367.8	1366.4	1363.4	1362.7
15°	1432.1	1432.1	1431.4	1429.9	1431.4	1429.9	1427.7	1429.2	1427.0	1427.7	1425.6
17.5°	1476.0	1478.9	1478.2	1478.9	1478.2	1478.2	1479.6	1479.6	1481.1	1478.2	1478.9
20°	1512.5	1516.9	1519.1	1517.6	1519.1	1519.8	1523.5	1524.9	1527.1	1528.6	1528.6
22.5°	1550.5	1556.3	1560.7	1560.7	1563.7	1566.6	1573.2	1574.6	1579.7	1579.0	1582.7
25°	1603.8	1613.3	1616.3	1620.6	1624.3	1629.4	1637.5	1641.1	1643.3	1648.4	1654.3
27.5°	1685.7	1697.4	1699.6	1704.7	1714.2	1717.1	1725.9	1729.5	1737.6	1748.5	1750.7
30°	1797.5	1812.1	1812.8	1818.7	1829.6	1833.3	1840.6	1850.1	1856.7	1867.6	1868.3
32.5°	1949.5	1964.1	1961.9	1972.8	1972.1	1983.1	1980.9	1995.5	2001.3	2007.2	2023.3
35°	2151.9	2150.4	2161.4	2165.0	2162.8	2171.6	2170.1	2176.7	2182.5	2182.5	2200.1
37.5°	2443.4	2441.2	2439.7	2424.4	2420.7	2421.5	2418.6	2424.4	2414.9	2414.9	2433.9
40°	2834.3	2821.2	2810.9	2800.7	2790.5	2776.6	2764.9	2762.0	2745.9	2745.2	2737.9
42.5°	3174.1	3161.7	3154.3	3134.6	3124.4	3122.2	3093.7	3085.7	3081.3	3084.2	3076.9
45°	3530.6	3517.5	3489.7	3481.0	3478.0	3462.7	3458.3	3438.6	3432.7	3443.0	3439.3
47.5°	3898.2	3879.2	3863.8	3853.6	3850.0	3836.8	3817.8	3833.9	3825.8	3820.0	3809.0
50°	4228.4	4207.3	4207.3	4189.0	4191.9	4183.1	4163.4	4167.8	4145.1	4153.9	4148.1
52.5°	4505.4	4506.8	4514.1	4493.7	4497.3	4497.3	4490.8	4469.6	4475.4	4472.5	4486.4
55°	4857.6	4881.7	4868.5	4872.2	4876.6	4897.0	4911.6	4899.2	4878.8	4894.8	4939.4
57.5°	5473.5	5495.4	5508.6	5518.8	5535.6	5545.1	5624.0	5635.0	5611.6	5659.8	5759.2
60°	6544.7	6571.0	6610.5	6662.3	6673.3	6739.8	6780.7	6828.9	6846.5	6888.1	6994.8
62.5°	7832.9	7892.1	7899.4	7965.1	8016.3	7954.2	7970.3	8029.4	7962.2	8054.3	8058.7
65°	8676.1	8762.3	8765.2	8789.4	8808.4	8749.9	8723.6	8697.3	8633.7	8630.1	8693.6
67°	8820.8	8899.7	8932.6	8944.3	8941.3	8911.4	8868.3	8792.3	8730.9	8695.8	8722.1
67.5°	8779.9	8857.3	8903.3	8914.3	8915.0	8885.8	8846.3	8763.8	8706.1	8666.6	8694.4
70°	8107.6	8288.8	8367.8	8326.8	8350.2	8350.2	8348.8	8272.8	8244.3	8206.3	8191.7
72.5°	6741.3	6866.9	6967.0	6913.7	6920.3	6970.0	6958.3	6966.3	6884.5	6875.7	6740.5
75°	4829.1	4869.3	4835.6	4873.6	4669.0	4596.0	4471.8	4290.6	4243.1	4167.8	3942.8
77.5°	2565.4	2520.1	2430.2	2422.9	2338.9	2273.9	2193.5	2140.9	2007.9	1934.1	1765.3
80°	1812.1	1834.0	1868.3	1888.8	1907.8	1922.4	1892.5	1808.4	1697.4	1573.2	1455.5
82.5°	1731.0	1760.9	1781.4	1791.6	1784.3	1760.9	1692.3	1611.9	1463.6	1356.1	1229.0
85°	1091.6	1115.7	1074.1	1065.3	1083.6	936.0	854.9	789.1	639.3	594.8	525.4
87.5°	293.0	309.1	309.8	300.3	294.5	259.4	229.4	203.1	168.1	157.8	127.9
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):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7
2.5°	1172.0	1171.3	1171.3	1169.1	1167.6	1166.9	1166.2	1164.0	1162.5	1162.5	1161.8
5°	1199.8	1198.3	1196.1	1195.4	1192.5	1191.0	1188.1	1186.6	1184.4	1183.0	1182.2
7.5°	1239.2	1235.6	1231.2	1231.9	1227.5	1225.4	1223.9	1221.0	1218.8	1216.6	1215.9
10°	1291.8	1291.1	1286.7	1288.2	1280.2	1283.8	1276.5	1277.2	1272.8	1268.5	1267.7
12.5°	1359.1	1358.3	1354.0	1348.8	1347.4	1348.1	1343.7	1344.5	1339.3	1337.9	1336.4
15°	1423.4	1421.9	1419.7	1416.1	1413.9	1413.1	1411.7	1410.2	1405.8	1405.8	1400.7
17.5°	1478.9	1479.6	1476.7	1473.8	1472.3	1470.1	1469.4	1469.4	1465.7	1462.1	1462.8
20°	1527.9	1529.3	1529.3	1527.1	1527.9	1526.4	1525.7	1527.1	1523.5	1522.0	1519.8
22.5°	1582.7	1582.7	1583.4	1584.8	1587.0	1587.8	1587.8	1586.3	1584.1	1583.4	1579.0
25°	1658.6	1655.7	1659.4	1660.8	1660.8	1664.5	1663.0	1663.8	1664.5	1662.3	1660.1
27.5°	1754.4	1751.4	1758.7	1763.9	1763.1	1765.3	1769.7	1764.6	1767.5	1769.7	1764.6
30°	1872.0	1879.3	1884.4	1888.1	1886.6	1893.2	1895.4	1894.7	1892.5	1896.1	1896.1
32.5°	2021.8	2018.1	2031.3	2039.3	2040.1	2038.6	2042.3	2046.6	2043.0	2048.8	2045.9
35°	2200.1	2202.3	2205.2	2214.0	2217.6	2211.8	2217.6	2222.7	2221.3	2222.0	2224.9
37.5°	2430.2	2433.9	2431.0	2431.7	2430.2	2458.0	2462.4	2466.8	2461.7	2457.3	2470.4
40°	2749.5	2749.5	2748.8	2758.3	2742.2	2759.8	2754.7	2767.1	2780.2	2772.9	2792.7
42.5°	3063.7	3081.3	3082.7	3068.9	3080.5	3099.5	3099.5	3107.6	3119.3	3107.6	3126.6
45°	3424.0	3445.9	3442.2	3465.6	3448.1	3470.0	3473.7	3463.4	3489.0	3491.9	3484.6
47.5°	3817.1	3821.5	3822.2	3830.2	3833.9	3851.4	3850.7	3869.7	3863.8	3834.6	3844.8
50°	4153.9	4164.9	4170.7	4175.8	4194.1	4206.5	4223.3	4226.3	4221.9	4213.1	4205.1
52.5°	4490.8	4517.1	4533.9	4579.2	4607.7	4630.3	4658.1	4668.3	4663.2	4661.0	4628.9
55°	4941.6	5004.4	5101.6	5164.4	5233.1	5273.3	5305.5	5321.5	5309.9	5315.7	5249.2
57.5°	5790.6	5938.2	6023.0	6130.4	6251.7	6302.1	6316.0	6373.0	6310.2	6247.3	6196.9
60°	7052.5	7188.4	7342.6	7452.9	7493.9	7633.4	7567.7	7493.9	7426.6	7296.6	7149.7
62.5°	8191.7	8367.0	8445.9	8549.0	8521.2	8509.5	8465.7	8348.0	8204.1	8010.4	7814.6
65°	8753.5	8852.2	8901.1	8934.8	8903.3	8822.2	8677.6	8503.7	8297.6	8047.0	7789.8
67°	8776.2	8821.5	8837.6	8805.4	8735.3	8608.9	8426.2	8180.0	7926.4	7639.3	7349.9
67.5°	8738.9	8768.9	8776.9	8726.5	8643.2	8506.6	8311.5	8048.4	7778.8	7480.7	7189.9
70°	8230.4	8208.5	8137.6	8068.2	7808.0	7624.6	7284.9	7004.3	6630.2	6356.2	6045.6
72.5°	6686.5	6586.4	6517.7	6210.8	5896.6	5714.7	5349.3	5013.9	4672.7	4411.8	4221.1
75°	3753.5	3680.4	3489.7	3327.5	3068.1	2830.7	2660.4	2447.0	2242.5	2121.2	2032.0
77.5°	1695.9	1486.9	1343.0	1161.1	938.2	754.1	559.7	517.3	441.3	422.3	380.7
80°	1323.3	1173.5	985.0	776.7	548.0	368.3	270.4	229.4	215.6	206.8	202.4
82.5°	1104.1	909.7	765.8	543.6	347.8	233.8	176.1	159.3	149.1	141.8	135.2
85°	472.0	373.4	307.6	219.9	156.4	123.5	108.1	98.6	89.1	81.1	76.0
87.5°	110.3	84.8	77.5	65.8	62.1	61.4	60.6	57.7	54.1	49.7	44.6
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°	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7	1153.7
2.5°	1161.1	1160.3	1158.9	1156.7	1156.7	1153.7	1144.2	1137.7	1130.4	1126.0	1121.6
5°	1180.8	1180.0	1176.4	1174.2	1172.7	1166.9	1150.8	1138.4	1125.2	1115.7	1108.4
7.5°	1213.7	1211.5	1208.5	1207.1	1202.7	1195.4	1172.0	1154.5	1135.5	1120.1	1107.7
10°	1267.0	1263.3	1259.0	1254.6	1256.0	1244.3	1217.3	1191.7	1164.0	1139.9	1123.1
12.5°	1332.0	1332.0	1329.8	1326.9	1321.8	1308.6	1272.1	1242.2	1208.5	1178.6	1166.2
15°	1400.7	1397.1	1393.4	1389.0	1388.3	1370.8	1337.9	1303.5	1268.5	1242.9	1228.3
17.5°	1457.0	1458.4	1453.3	1451.9	1450.4	1432.9	1397.8	1367.1	1341.5	1314.5	1291.1
20°	1516.9	1514.0	1512.5	1510.3	1509.6	1495.0	1467.2	1448.2	1425.6	1384.6	1323.3
22.5°	1581.2	1577.5	1579.0	1574.6	1573.9	1563.7	1543.2	1537.4	1503.7	1417.5	1310.8
25°	1664.5	1657.9	1660.1	1660.1	1660.8	1651.3	1649.1	1638.9	1554.2	1409.5	1261.2
27.5°	1763.9	1766.8	1766.8	1766.1	1760.9	1763.9	1774.1	1739.0	1571.7	1367.1	1186.6
30°	1893.2	1894.7	1896.1	1901.2	1890.3	1909.3	1921.7	1809.9	1558.5	1308.6	1093.1
32.5°	2050.3	2044.4	2047.4	2050.3	2053.9	2073.7	2066.4	1845.7	1519.8	1229.0	976.9
35°	2223.5	2234.4	2237.3	2243.9	2251.2	2281.2	2197.2	1853.0	1460.6	1122.3	828.6
37.5°	2481.4	2498.9	2498.9	2522.3	2508.4	2545.0	2314.1	1835.5	1370.8	974.0	661.3
40°	2806.5	2814.6	2822.6	2825.5	2818.2	2813.8	2390.8	1792.4	1244.3	787.7	483.7
42.5°	3138.3	3135.3	3136.1	3141.2	3121.5	3038.9	2438.3	1717.1	1087.3	588.2	347.1
45°	3495.6	3483.2	3479.5	3469.3	3451.7	3277.8	2465.3	1611.2	880.5	413.6	272.5
47.5°	3843.4	3828.0	3804.7	3776.2	3742.5	3470.0	2462.4	1473.8	675.1	295.9	240.4
50°	4200.0	4172.9	4122.5	4094.7	4037.7	3660.7	2445.6	1321.1	485.9	244.8	225.0
52.5°	4607.7	4559.4	4512.7	4457.1	4362.9	3895.3	2420.0	1149.4	354.4	224.3	214.8
55°	5215.6	5136.7	5060.0	4944.5	4853.2	4209.4	2376.9	964.5	279.9	216.3	209.0
57.5°	6053.7	5919.2	5822.1	5666.4	5520.3	4644.2	2330.9	796.4	249.9	214.1	206.1
60°	6997.0	6794.6	6613.4	6421.9	6255.4	5187.1	2306.8	664.9	243.3	216.3	206.8
62.5°	7588.8	7349.9	7123.4	6889.6	6649.9	5446.5	2202.3	574.3	246.2	225.8	212.6
65°	7514.3	7250.5	7004.3	6719.3	6493.6	5201.7	1936.3	485.9	251.4	242.6	228.7
67°	7011.6	6755.9	6475.3	6196.2	5977.0	4736.3	1634.5	409.2	257.2	261.6	246.2
67.5°	6877.2	6589.3	6306.5	6050.0	5812.6	4592.3	1555.6	390.2	258.7	266.7	252.1
70°	5735.1	5507.1	5176.1	4986.2	4814.5	3722.8	1160.3	303.2	263.0	289.3	279.9
72.5°	4012.9	3792.2	3619.1	3515.3	3415.2	2705.0	816.2	241.9	256.5	301.8	292.3
75°	2026.9	1976.5	1915.8	1882.2	1883.7	1572.4	491.7	206.1	241.1	289.3	265.2
77.5°	400.4	390.2	394.6	431.8	425.3	484.4	244.0	174.6	205.3	222.9	190.7
80°	193.6	187.1	181.2	179.7	176.1	168.8	153.4	145.4	166.6	146.9	126.4
82.5°	125.7	118.4	115.4	109.6	110.3	119.8	133.7	139.6	135.2	101.6	85.5
85°	70.9	70.1	68.7	70.1	73.1	95.7	143.2	130.8	108.9	71.6	64.3
87.5°	42.4	40.2	40.9	41.6	43.1	70.9	113.3	94.3	69.4	37.3	38.0
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°	1153.7	1153.7	1153.7	1153.7
2.5°	1120.9	1117.9	1117.9	1117.2
5°	1102.6	1098.2	1097.5	1097.5
7.5°	1099.7	1093.8	1093.1	1090.9
10°	1112.8	1110.6	1111.4	1109.2
12.5°	1154.5	1157.4	1160.3	1160.3
15°	1218.0	1215.9	1219.5	1215.9
17.5°	1264.8	1245.8	1241.4	1239.2
20°	1266.3	1226.8	1213.7	1211.5
22.5°	1221.0	1162.5	1140.6	1136.9
25°	1144.2	1070.4	1042.7	1039.8
27.5°	1047.8	965.2	924.3	922.8
30°	931.6	833.7	781.8	773.8
32.5°	789.9	673.7	618.9	601.3
35°	626.2	507.1	455.9	454.5
37.5°	467.6	374.8	342.0	340.5
40°	342.7	294.5	282.0	279.9
42.5°	279.9	260.1	255.0	252.8
45°	250.6	242.6	239.7	237.5
47.5°	233.1	228.0	225.8	225.8
50°	219.2	217.7	216.3	216.3
52.5°	209.7	209.0	207.5	206.8
55°	201.7	198.7	199.5	198.7
57.5°	196.6	192.2	192.2	192.2
60°	193.6	185.6	185.6	186.3
62.5°	194.4	181.9	181.2	181.2
65°	200.2	179.7	175.4	176.1
67°	207.5	177.6	168.8	168.1
67.5°	209.7	176.1	166.6	165.9
70°	218.5	171.7	155.6	154.2
72.5°	219.9	165.1	144.7	143.2
75°	204.6	156.4	135.9	132.3
77.5°	159.3	134.4	122.8	122.8
80°	111.8	103.0	87.7	87.0
82.5°	81.8	77.5	64.3	62.8
85°	59.9	56.3	47.5	47.5
87.5°	37.3	35.8	30.7	29.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)