

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: LUMARK

Report Number: P145158

Luminaire Tested: **LDRL-SL3-E05-E-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145158
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: LUMARK
Catalog Number: LDRL-SL3-E05-E-8030
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (105) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12527.8 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

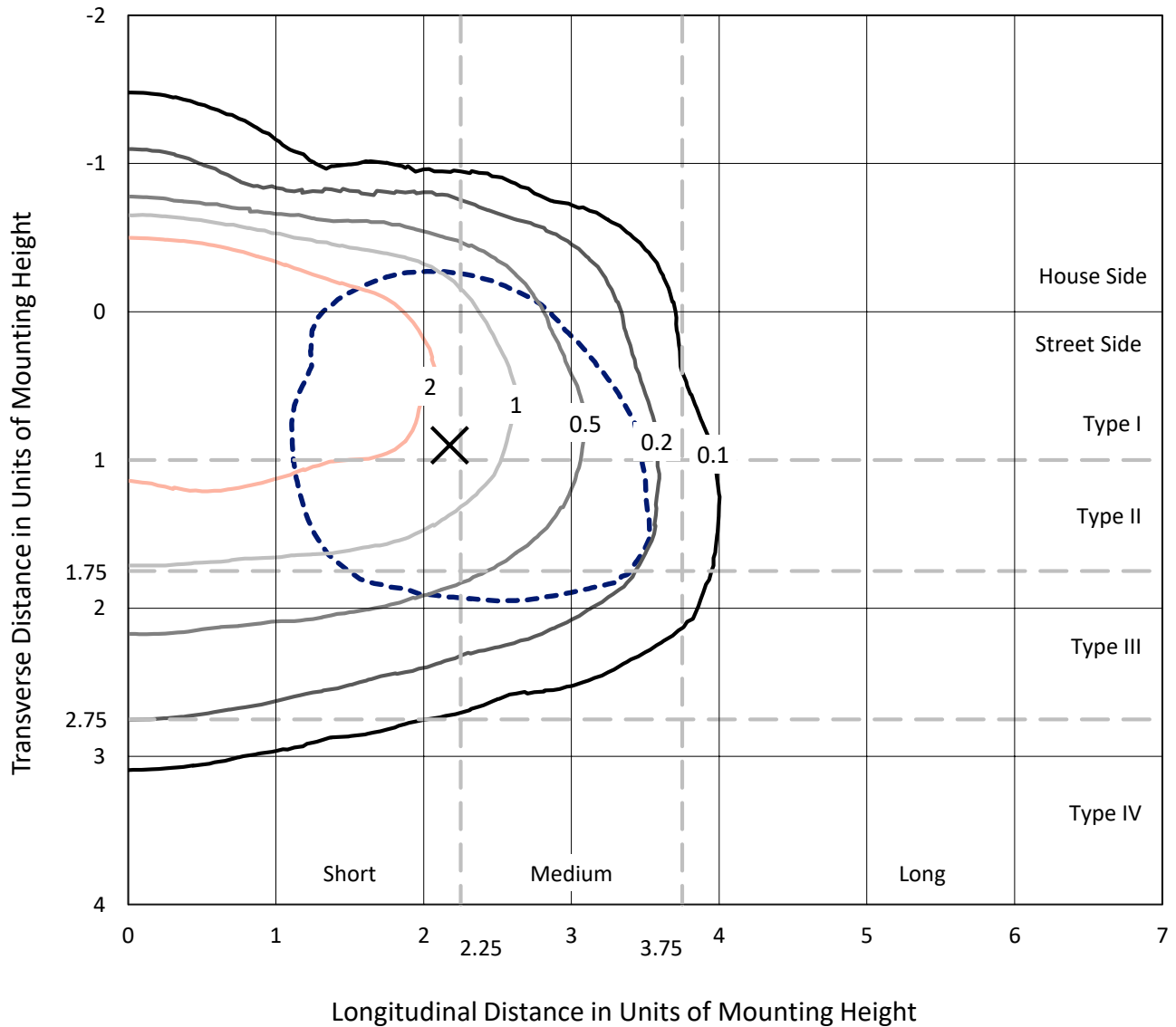
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

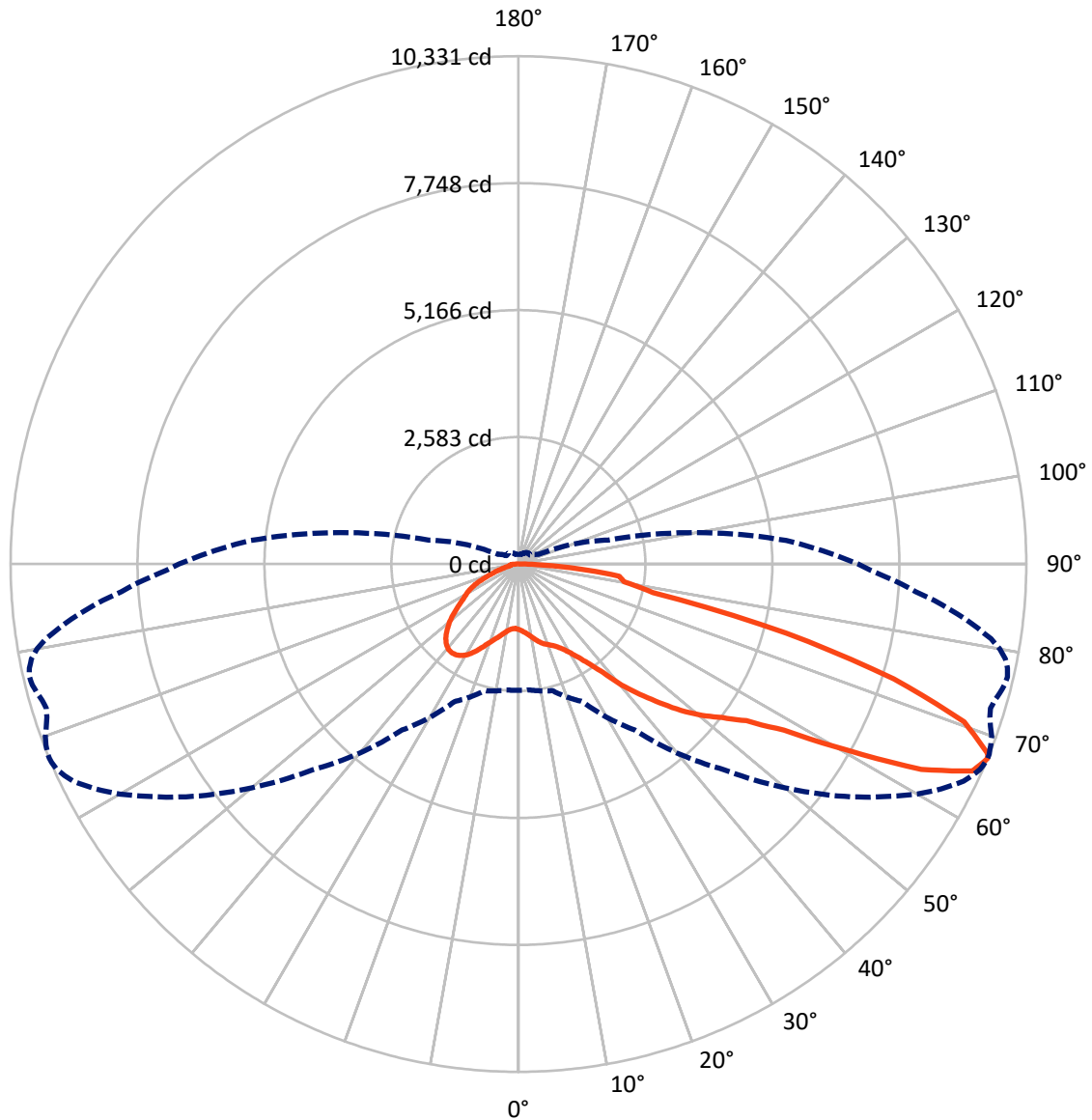
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 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	2966.5	0.0	2966.5
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	9561.3	0.0	9561.3
	% Fixture	76.3	0.0	76.3
Total	Lumens	12527.8	0.0	12527.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	1.1
10°-20°	455.5	3.6
20°-30°	810.8	6.5
30°-40°	1181.1	9.4
40°-50°	1819.8	14.5
50°-60°	2665.2	21.3
60°-70°	3539.1	28.3
70°-80°	1668.2	13.3
80°-90°	255.0	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°	12527.8	100.0
0°-180°	12527.8	100.0



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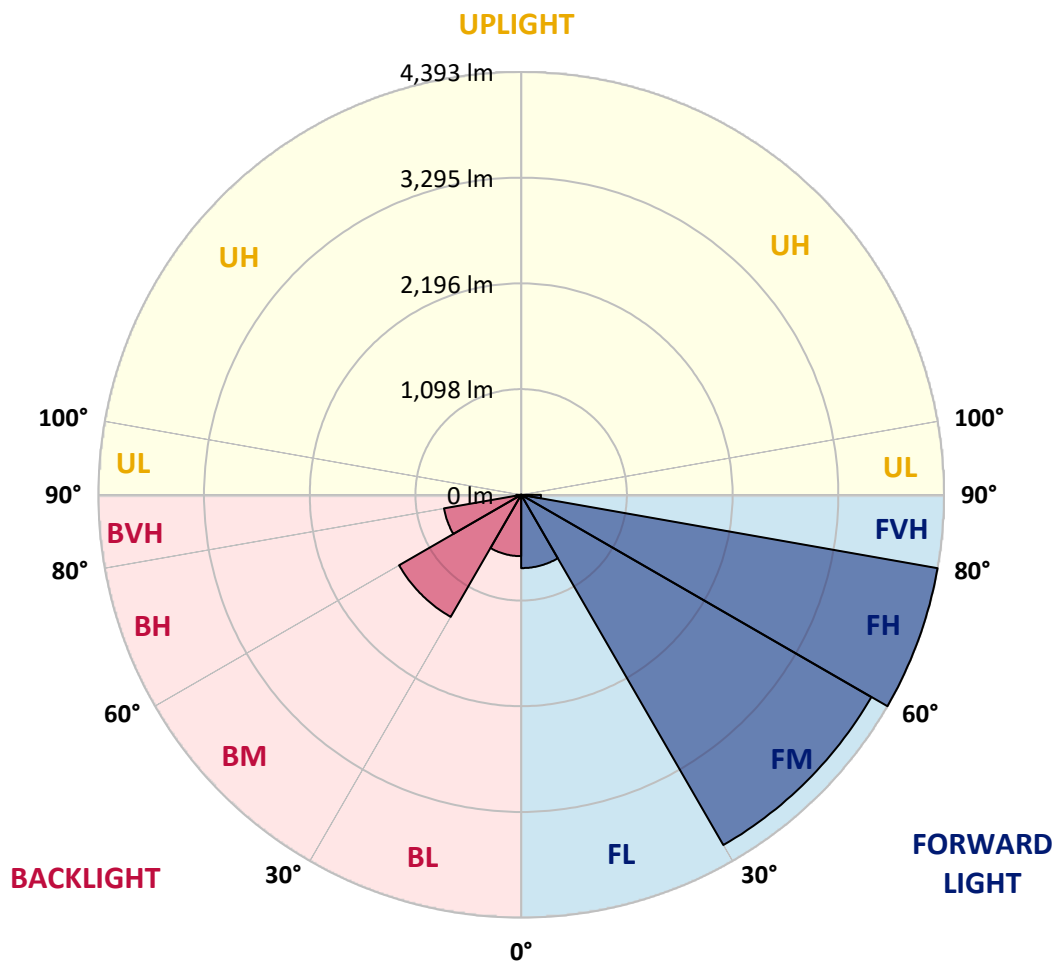
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	761.6	6.1			
FM	(30°-60°)	4201.2	33.5			
FH	(60°-80°)	4392.9	35.1			G2/5000
FVH	(80°-90°)	205.5	1.6			G2/225
BL	(0°-30°)	637.7	5.1	B2/1000		
BM	(30°-60°)	1464.9	11.7	B2/2500		
BH	(60°-80°)	814.4	6.5	B2/1000		G2/1000
BVH	(80°-90°)	49.5	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°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7
2.5°	1399.3	1393.4	1394.3	1396.8	1388.4	1384.1	1374.9	1369.0	1368.1	1367.3	1363.9
5°	1481.2	1475.3	1477.8	1471.1	1455.0	1444.1	1424.7	1414.5	1412.8	1411.2	1406.9
7.5°	1566.4	1558.9	1550.4	1542.8	1525.1	1507.4	1482.0	1466.9	1465.2	1462.6	1460.1
10°	1667.7	1656.8	1650.0	1626.4	1596.0	1571.5	1546.2	1530.2	1529.3	1526.8	1521.7
12.5°	1781.7	1769.8	1757.2	1726.0	1678.7	1642.4	1612.9	1603.6	1596.0	1596.8	1591.8
15°	1894.8	1882.1	1865.2	1825.6	1763.1	1709.1	1671.1	1657.6	1658.4	1654.2	1656.8
17.5°	1990.1	1979.2	1954.7	1904.0	1831.5	1757.2	1709.1	1703.2	1704.9	1704.0	1706.5
20°	2052.6	2045.8	2008.7	1947.9	1866.1	1784.2	1735.2	1735.2	1736.1	1739.5	1745.4
22.5°	2090.6	2080.4	2031.5	1946.2	1865.2	1796.9	1758.9	1767.3	1772.4	1774.9	1784.2
25°	2111.7	2099.0	2032.3	1919.2	1836.5	1806.1	1794.3	1815.4	1823.9	1828.1	1843.3
27.5°	2111.7	2096.5	2021.4	1885.5	1803.6	1834.0	1861.8	1898.1	1904.0	1916.7	1934.4
30°	2088.0	2076.2	2004.5	1860.2	1795.2	1886.3	1970.7	2012.1	2026.4	2040.8	2063.6
32.5°	2062.7	2052.6	1996.0	1873.7	1842.4	1996.0	2137.0	2193.5	2202.0	2213.8	2237.4
35°	2061.0	2057.6	2033.2	1959.7	1985.1	2196.9	2387.7	2426.5	2450.1	2456.0	2466.1
37.5°	2078.7	2085.5	2106.6	2099.0	2190.2	2495.7	2716.0	2793.6	2812.2	2802.0	2811.3
40°	2120.1	2137.0	2215.5	2312.5	2503.3	2856.9	3163.3	3252.7	3273.0	3267.1	3264.6
42.5°	2250.9	2273.7	2389.3	2597.0	2829.1	3230.8	3578.5	3674.7	3681.5	3684.9	3662.9
45°	2456.0	2468.7	2622.3	2887.3	3181.8	3633.4	3992.9	4100.1	4095.9	4079.0	4063.0
47.5°	2689.0	2715.1	2899.1	3219.8	3546.4	4005.6	4412.4	4517.0	4526.3	4511.1	4481.6
50°	2900.8	2921.1	3128.7	3509.3	3868.0	4315.3	4766.0	4871.5	4869.8	4878.3	4886.7
52.5°	3067.9	3086.5	3284.0	3702.6	4104.3	4575.3	5032.7	5162.7	5182.9	5196.5	5213.3
55°	3154.0	3173.4	3355.7	3782.8	4247.8	4829.3	5340.8	5527.3	5561.9	5592.3	5620.1
57.5°	3155.7	3181.0	3348.1	3776.9	4322.1	5056.3	5748.4	6083.5	6132.4	6210.1	6305.5
60°	3104.2	3139.6	3289.9	3722.0	4407.3	5344.2	6420.2	7061.7	7157.9	7293.8	7416.1
62.5°	2970.0	3005.5	3139.6	3582.7	4506.9	5713.0	7390.8	8331.0	8536.1	8686.4	8928.6
65°	2758.2	2791.9	2905.0	3352.3	4427.6	6004.2	8114.1	9241.7	9451.0	9639.2	9923.6
67°	2569.1	2572.5	2667.9	3088.2	4118.7	5913.8	8259.3	9363.2	9556.5	9747.3	10077.3
67.5°	2502.4	2521.0	2595.3	3000.4	4001.4	5847.2	8201.9	9297.4	9484.8	9688.2	10024.9
70°	2023.0	2028.1	2099.8	2393.6	3175.1	4847.9	7367.2	8457.6	8585.9	8883.8	9214.7
72.5°	1233.9	1225.5	1248.3	1466.0	2089.7	3357.4	5898.7	6962.9	7138.5	7392.5	7616.2
75°	679.4	719.9	747.8	898.9	1174.0	1974.1	4016.6	5037.8	5295.2	5446.3	5491.0
77.5°	415.2	411.9	424.5	579.8	963.0	1350.4	2218.9	2955.7	3099.1	3142.2	2975.9
80°	197.5	205.1	202.6	238.8	466.7	1139.4	1551.3	1898.1	1970.7	2012.1	2066.1
82.5°	108.0	112.3	127.4	142.6	184.0	490.4	1338.6	1750.4	1799.4	1870.3	1949.6
85°	67.5	70.9	97.9	103.0	113.1	151.1	557.9	1022.9	1064.3	1205.2	1250.0
87.5°	27.9	30.4	53.2	48.1	57.4	53.2	168.8	259.9	276.0	293.7	325.8
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°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7
2.5°	1364.7	1363.9	1360.5	1359.7	1361.4	1361.4	1359.7	1357.1	1356.3	1355.4	1353.8
5°	1405.2	1403.6	1401.0	1399.3	1398.5	1398.5	1396.0	1393.4	1390.9	1387.5	1386.7
7.5°	1453.4	1453.4	1452.5	1450.0	1447.4	1444.1	1441.5	1439.0	1436.5	1434.8	1432.3
10°	1516.7	1520.0	1514.1	1512.4	1511.6	1506.5	1505.7	1503.1	1501.5	1497.2	1497.2
12.5°	1591.8	1588.4	1587.5	1584.2	1584.2	1581.6	1580.8	1580.0	1578.3	1574.9	1574.0
15°	1654.2	1654.2	1653.4	1651.7	1653.4	1651.7	1649.2	1650.8	1648.3	1649.2	1646.6
17.5°	1704.9	1708.2	1707.4	1708.2	1707.4	1707.4	1709.1	1709.1	1710.8	1707.4	1708.2
20°	1747.1	1752.1	1754.7	1753.0	1754.7	1755.5	1759.7	1761.4	1763.9	1765.6	1765.6
22.5°	1790.9	1797.7	1802.8	1802.8	1806.1	1809.5	1817.1	1818.8	1824.7	1823.9	1828.1
25°	1852.6	1863.5	1866.9	1872.0	1876.2	1882.1	1891.4	1895.6	1898.1	1904.0	1910.8
27.5°	1947.1	1960.6	1963.1	1969.0	1980.0	1983.4	1993.5	1997.7	2007.0	2019.7	2022.2
30°	2076.2	2093.1	2093.9	2100.7	2113.4	2117.6	2126.0	2137.0	2144.6	2157.2	2158.1
32.5°	2251.8	2268.6	2266.1	2278.8	2277.9	2290.6	2288.1	2304.9	2311.7	2318.4	2337.0
35°	2485.6	2483.9	2496.5	2500.7	2498.2	2508.3	2506.7	2514.2	2521.0	2521.0	2541.3
37.5°	2822.3	2819.8	2818.1	2800.4	2796.1	2797.0	2793.6	2800.4	2789.4	2789.4	2811.3
40°	3273.8	3258.6	3246.8	3235.0	3223.2	3207.2	3193.7	3190.3	3171.7	3170.9	3162.4
42.5°	3666.3	3651.9	3643.5	3620.7	3608.9	3606.4	3573.5	3564.2	3559.1	3562.5	3554.0
45°	4078.2	4063.0	4030.9	4020.8	4017.4	3999.7	3994.6	3971.8	3965.1	3976.9	3972.7
47.5°	4502.7	4480.7	4463.0	4451.2	4447.0	4431.8	4409.9	4428.4	4419.1	4412.4	4399.7
50°	4884.2	4859.7	4859.7	4838.6	4842.0	4831.8	4809.1	4814.1	4788.0	4798.1	4791.3
52.5°	5204.0	5205.7	5214.2	5190.5	5194.8	5194.8	5187.2	5162.7	5169.4	5166.1	5182.1
55°	5610.9	5638.7	5623.5	5627.7	5632.8	5656.4	5673.3	5659.0	5635.3	5653.9	5705.4
57.5°	6322.3	6347.7	6362.8	6374.7	6394.1	6405.0	6496.2	6508.9	6481.9	6537.6	6652.3
60°	7559.6	7590.0	7635.6	7695.5	7708.2	7785.0	7832.2	7887.9	7908.2	7956.3	8079.5
62.5°	9047.6	9115.9	9124.4	9200.3	9259.4	9187.7	9206.3	9274.6	9197.0	9303.3	9308.4
65°	10021.5	10121.1	10124.5	10152.4	10174.3	10106.8	10076.4	10046.0	9972.6	9968.4	10041.8
67°	10188.7	10279.8	10317.8	10331.3	10327.9	10293.3	10243.5	10155.7	10084.8	10044.3	10074.7
67.5°	10141.4	10230.9	10284.0	10296.7	10297.5	10263.8	10218.2	10122.8	10056.2	10010.6	10042.6
70°	9364.9	9574.2	9665.4	9618.1	9645.1	9645.1	9643.4	9555.7	9522.7	9478.9	9462.0
72.5°	7786.7	7931.8	8047.5	7985.8	7993.4	8050.8	8037.3	8046.6	7952.1	7942.0	7785.8
75°	5577.9	5624.4	5585.5	5629.4	5393.1	5308.7	5165.2	4955.9	4901.1	4814.1	4554.2
77.5°	2963.3	2910.9	2807.1	2798.7	2701.6	2626.5	2533.7	2472.9	2319.3	2234.0	2039.1
80°	2093.1	2118.4	2158.1	2181.7	2203.7	2220.5	2185.9	2088.9	1960.6	1817.1	1681.2
82.5°	1999.4	2034.0	2057.6	2069.5	2061.0	2034.0	1954.7	1861.8	1690.5	1566.4	1419.6
85°	1260.9	1288.8	1240.7	1230.5	1251.6	1081.2	987.5	911.5	738.5	687.0	606.8
87.5°	338.4	357.0	357.9	346.9	340.1	299.6	265.0	234.6	194.1	182.3	147.7
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°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7
2.5°	1353.8	1352.9	1352.9	1350.4	1348.7	1347.9	1347.0	1344.5	1342.8	1342.8	1341.9
5°	1385.8	1384.1	1381.6	1380.8	1377.4	1375.7	1372.3	1370.6	1368.1	1366.4	1365.6
7.5°	1431.4	1427.2	1422.1	1423.0	1417.9	1415.4	1413.7	1410.3	1407.8	1405.2	1404.4
10°	1492.2	1491.3	1486.3	1488.0	1478.7	1482.9	1474.5	1475.3	1470.2	1465.2	1464.3
12.5°	1569.8	1569.0	1563.9	1558.0	1556.3	1557.2	1552.1	1552.9	1547.0	1545.3	1543.7
15°	1644.1	1642.4	1639.9	1635.7	1633.1	1632.3	1630.6	1628.9	1623.8	1623.8	1617.9
17.5°	1708.2	1709.1	1705.7	1702.3	1700.6	1698.1	1697.3	1697.3	1693.0	1688.8	1689.7
20°	1764.8	1766.5	1766.5	1763.9	1764.8	1763.1	1762.3	1763.9	1759.7	1758.0	1755.5
22.5°	1828.1	1828.1	1828.9	1830.6	1833.1	1834.0	1834.0	1832.3	1829.8	1828.9	1823.9
25°	1915.9	1912.5	1916.7	1918.4	1918.4	1922.6	1920.9	1921.8	1922.6	1920.1	1917.5
27.5°	2026.4	2023.0	2031.5	2037.4	2036.6	2039.1	2044.1	2038.2	2041.6	2044.1	2038.2
30°	2162.3	2170.7	2176.7	2180.9	2179.2	2186.8	2189.3	2188.5	2185.9	2190.2	2190.2
32.5°	2335.3	2331.1	2346.3	2355.6	2356.4	2354.7	2359.0	2364.0	2359.8	2366.6	2363.2
35°	2541.3	2543.8	2547.2	2557.3	2561.5	2554.8	2561.5	2567.4	2565.7	2566.6	2570.0
37.5°	2807.1	2811.3	2808.0	2808.8	2807.1	2839.2	2844.2	2849.3	2843.4	2838.3	2853.5
40°	3175.9	3175.9	3175.1	3186.1	3167.5	3187.8	3181.8	3196.2	3211.4	3202.9	3225.7
42.5°	3538.9	3559.1	3560.8	3544.8	3558.3	3580.2	3580.2	3589.5	3603.0	3589.5	3611.4
45°	3954.9	3980.3	3976.0	4003.0	3982.8	4008.1	4012.3	4000.5	4030.1	4033.4	4025.0
47.5°	4409.0	4414.1	4414.9	4424.2	4428.4	4448.7	4447.8	4469.8	4463.0	4429.3	4441.1
50°	4798.1	4810.7	4817.5	4823.4	4844.5	4858.9	4878.3	4881.6	4876.6	4866.5	4857.2
52.5°	5187.2	5217.6	5237.0	5289.3	5322.2	5348.4	5380.4	5392.3	5386.4	5383.8	5346.7
55°	5707.9	5780.5	5892.7	5965.3	6044.7	6091.1	6128.2	6146.8	6133.3	6140.0	6063.2
57.5°	6688.6	6859.1	6957.0	7081.1	7221.2	7279.4	7295.5	7361.3	7288.7	7216.1	7157.9
60°	8146.2	8303.2	8481.3	8608.7	8656.0	8817.2	8741.2	8656.0	8578.3	8428.1	8258.5
62.5°	9462.0	9664.5	9755.7	9874.7	9842.6	9829.1	9778.5	9642.6	9476.3	9252.7	9026.5
65°	10111.0	10225.0	10281.5	10320.3	10284.0	10190.3	10023.2	9822.4	9584.4	9294.9	8997.8
67°	10137.2	10189.5	10208.1	10170.9	10089.9	9943.9	9732.9	9448.5	9155.6	8823.9	8489.7
67.5°	10094.1	10128.7	10138.0	10079.8	9983.6	9825.7	9600.4	9296.6	8985.1	8640.8	8304.9
70°	9506.7	9481.4	9399.5	9319.3	9018.9	8807.0	8414.6	8090.5	7658.4	7341.9	6983.2
72.5°	7723.4	7607.7	7528.4	7173.9	6811.0	6600.9	6178.9	5791.5	5397.3	5096.0	4875.7
75°	4335.6	4251.2	4030.9	3843.5	3543.9	3269.6	3073.0	2826.5	2590.2	2450.1	2347.1
77.5°	1958.9	1717.5	1551.3	1341.1	1083.7	871.0	646.5	597.5	509.8	487.8	439.7
80°	1528.5	1355.4	1137.7	897.2	633.0	425.4	312.3	265.0	249.0	238.8	233.8
82.5°	1275.3	1050.8	884.5	627.9	401.7	270.1	203.4	184.0	172.2	163.7	156.1
85°	545.2	431.3	355.3	254.0	180.6	142.6	124.9	113.9	103.0	93.7	87.8
87.5°	127.4	97.9	89.5	76.0	71.7	70.9	70.1	66.7	62.5	57.4	51.5
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):

	86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°
0°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7
2.5°	1341.1	1340.3	1338.6	1336.0	1336.0	1332.7	1321.7	1314.1	1305.7	1300.6	1295.5
5°	1363.9	1363.0	1358.8	1356.3	1354.6	1347.9	1329.3	1314.9	1299.7	1288.8	1280.3
7.5°	1401.9	1399.3	1396.0	1394.3	1389.2	1380.8	1353.8	1333.5	1311.6	1293.8	1279.5
10°	1463.5	1459.3	1454.2	1449.1	1450.8	1437.3	1406.1	1376.5	1344.5	1316.6	1297.2
12.5°	1538.6	1538.6	1536.1	1532.7	1526.8	1511.6	1469.4	1434.8	1396.0	1361.4	1347.0
15°	1617.9	1613.7	1609.5	1604.4	1603.6	1583.3	1545.3	1505.7	1465.2	1435.6	1418.7
17.5°	1682.9	1684.6	1678.7	1677.0	1675.3	1655.1	1614.6	1579.1	1549.6	1518.3	1491.3
20°	1752.1	1748.7	1747.1	1744.5	1743.7	1726.8	1694.7	1672.8	1646.6	1599.4	1528.5
22.5°	1826.4	1822.2	1823.9	1818.8	1818.0	1806.1	1782.5	1775.8	1736.9	1637.3	1514.1
25°	1922.6	1915.0	1917.5	1917.5	1918.4	1907.4	1904.9	1893.1	1795.2	1628.1	1456.7
27.5°	2037.4	2040.8	2040.8	2039.9	2034.0	2037.4	2049.2	2008.7	1815.4	1579.1	1370.6
30°	2186.8	2188.5	2190.2	2196.1	2183.4	2205.3	2219.7	2090.6	1800.2	1511.6	1262.6
32.5°	2368.2	2361.5	2364.9	2368.2	2372.5	2395.2	2386.8	2131.9	1755.5	1419.6	1128.4
35°	2568.3	2580.9	2584.3	2591.9	2600.3	2634.9	2537.9	2140.4	1687.1	1296.4	957.1
37.5°	2866.2	2886.4	2886.4	2913.5	2897.4	2939.6	2672.9	2120.1	1583.3	1125.0	763.8
40°	3241.8	3251.1	3260.3	3263.7	3255.3	3250.2	2761.5	2070.3	1437.3	909.8	558.7
42.5°	3624.9	3621.6	3622.4	3628.3	3605.5	3510.2	2816.4	1983.4	1255.9	679.4	400.9
45°	4037.7	4023.3	4019.1	4007.3	3987.0	3786.1	2847.6	1861.0	1017.0	477.7	314.8
47.5°	4439.4	4421.7	4394.7	4361.7	4322.9	4008.1	2844.2	1702.3	779.8	341.8	277.7
50°	4851.3	4820.0	4761.8	4729.7	4663.9	4228.4	2824.8	1525.9	561.3	282.7	259.9
52.5°	5322.2	5266.5	5212.5	5148.3	5039.5	4499.3	2795.3	1327.6	409.3	259.1	248.1
55°	6024.4	5933.3	5844.6	5711.3	5605.8	4862.2	2745.5	1114.1	323.2	249.8	241.4
57.5°	6992.5	6837.2	6724.9	6545.1	6376.4	5364.4	2692.3	920.0	288.6	247.3	238.0
60°	8082.1	7848.3	7639.0	7417.8	7225.4	5991.5	2664.5	768.0	281.0	249.8	238.8
62.5°	8765.7	8489.7	8228.1	7958.0	7681.2	6291.1	2543.8	663.4	284.4	260.8	245.6
65°	8679.6	8374.9	8090.5	7761.3	7500.5	6008.4	2236.6	561.3	290.3	280.2	264.2
67°	8098.9	7803.5	7479.4	7157.0	6903.8	5470.7	1888.0	472.6	297.1	302.1	284.4
67.5°	7943.6	7611.1	7284.5	6988.2	6713.9	5304.5	1796.9	450.7	298.8	308.1	291.2
70°	6624.5	6361.2	5978.8	5759.4	5561.1	4300.1	1340.3	350.3	303.8	334.2	323.2
72.5°	4635.2	4380.3	4180.3	4060.4	3944.8	3124.5	942.7	279.4	296.2	348.6	337.6
75°	2341.2	2283.0	2212.9	2174.1	2175.8	1816.3	568.0	238.0	278.5	334.2	306.4
77.5°	462.5	450.7	455.8	498.8	491.2	559.6	281.9	201.7	237.2	257.4	220.3
80°	223.7	216.1	209.3	207.6	203.4	195.0	177.2	168.0	192.4	169.6	146.0
82.5°	145.2	136.7	133.4	126.6	127.4	138.4	154.5	161.2	156.1	117.3	98.7
85°	81.9	81.0	79.3	81.0	84.4	110.6	165.4	151.1	125.8	82.7	74.3
87.5°	49.0	46.4	47.3	48.1	49.8	81.9	130.8	108.9	80.2	43.0	43.9
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):

	155°	165°	175°	180°
0°	1332.7	1332.7	1332.7	1332.7
2.5°	1294.7	1291.3	1291.3	1290.5
5°	1273.6	1268.5	1267.7	1267.7
7.5°	1270.2	1263.5	1262.6	1260.1
10°	1285.4	1282.9	1283.7	1281.2
12.5°	1333.5	1336.9	1340.3	1340.3
15°	1406.9	1404.4	1408.6	1404.4
17.5°	1460.9	1439.0	1433.9	1431.4
20°	1462.6	1417.1	1401.9	1399.3
22.5°	1410.3	1342.8	1317.5	1313.2
25°	1321.7	1236.4	1204.4	1201.0
27.5°	1210.3	1114.9	1067.6	1066.0
30°	1076.1	963.0	903.1	893.8
32.5°	912.4	778.2	714.9	694.6
35°	723.3	585.7	526.7	525.0
37.5°	540.2	433.0	395.0	393.3
40°	395.8	340.1	325.8	323.2
42.5°	323.2	300.5	294.6	292.0
45°	289.5	280.2	276.8	274.3
47.5°	269.2	263.3	260.8	260.8
50°	253.2	251.5	249.8	249.8
52.5°	242.2	241.4	239.7	238.8
55°	232.9	229.6	230.4	229.6
57.5°	227.0	222.0	222.0	222.0
60°	223.7	214.4	214.4	215.2
62.5°	224.5	210.2	209.3	209.3
65°	231.3	207.6	202.6	203.4
67°	239.7	205.1	195.0	194.1
67.5°	242.2	203.4	192.4	191.6
70°	252.4	198.3	179.8	178.1
72.5°	254.0	190.7	167.1	165.4
75°	236.3	180.6	157.0	152.8
77.5°	184.0	155.3	141.8	141.8
80°	129.1	119.0	101.3	100.4
82.5°	94.5	89.5	74.3	72.6
85°	69.2	65.0	54.9	54.9
87.5°	43.0	41.4	35.4	33.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)