

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: P145163

Luminaire Tested: **LDRL-SL3-F05-E-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145163
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-F05-E-8030
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (35) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10342 lumens
Efficiency: N/A
Efficacy: 77.6 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

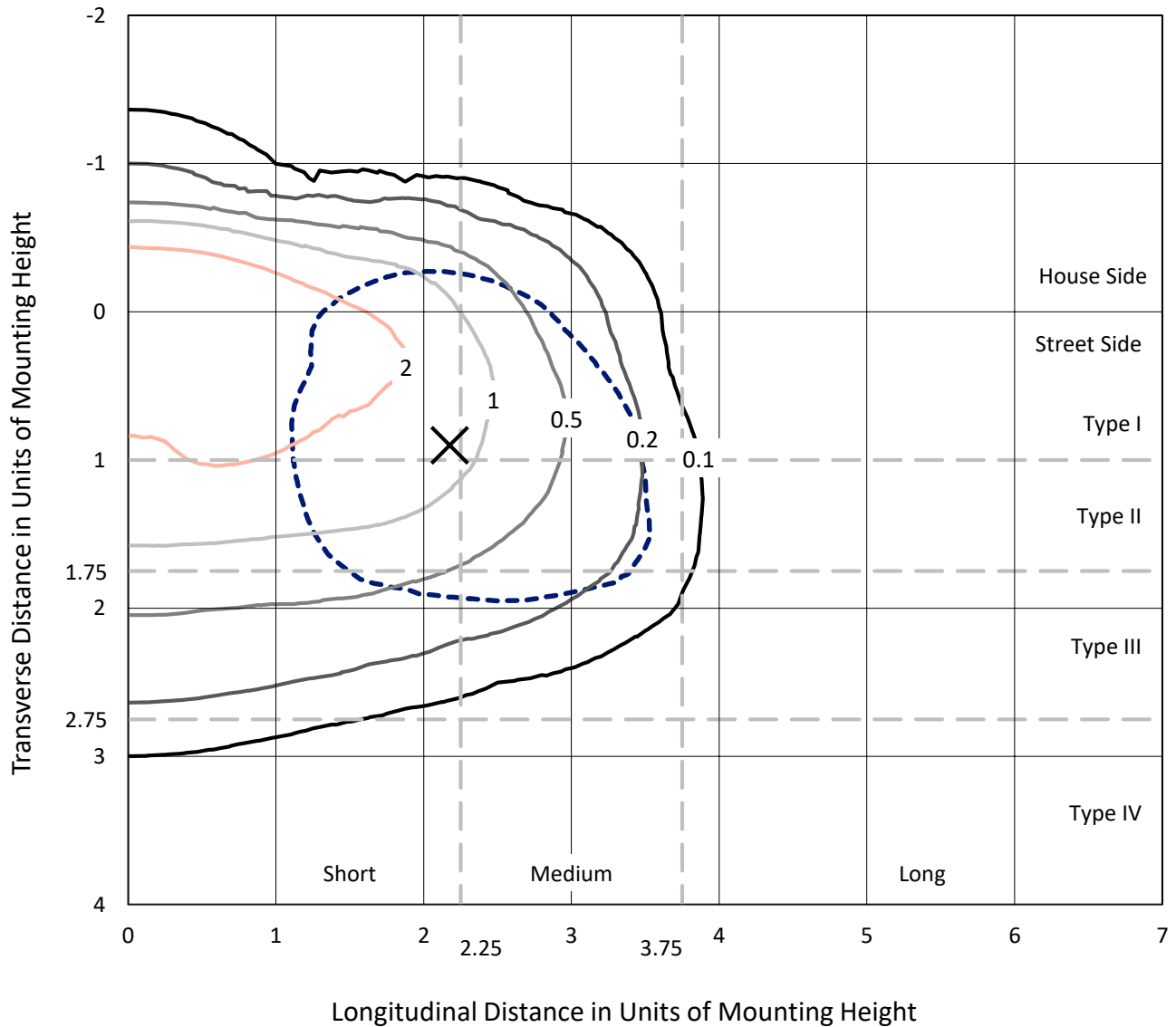
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

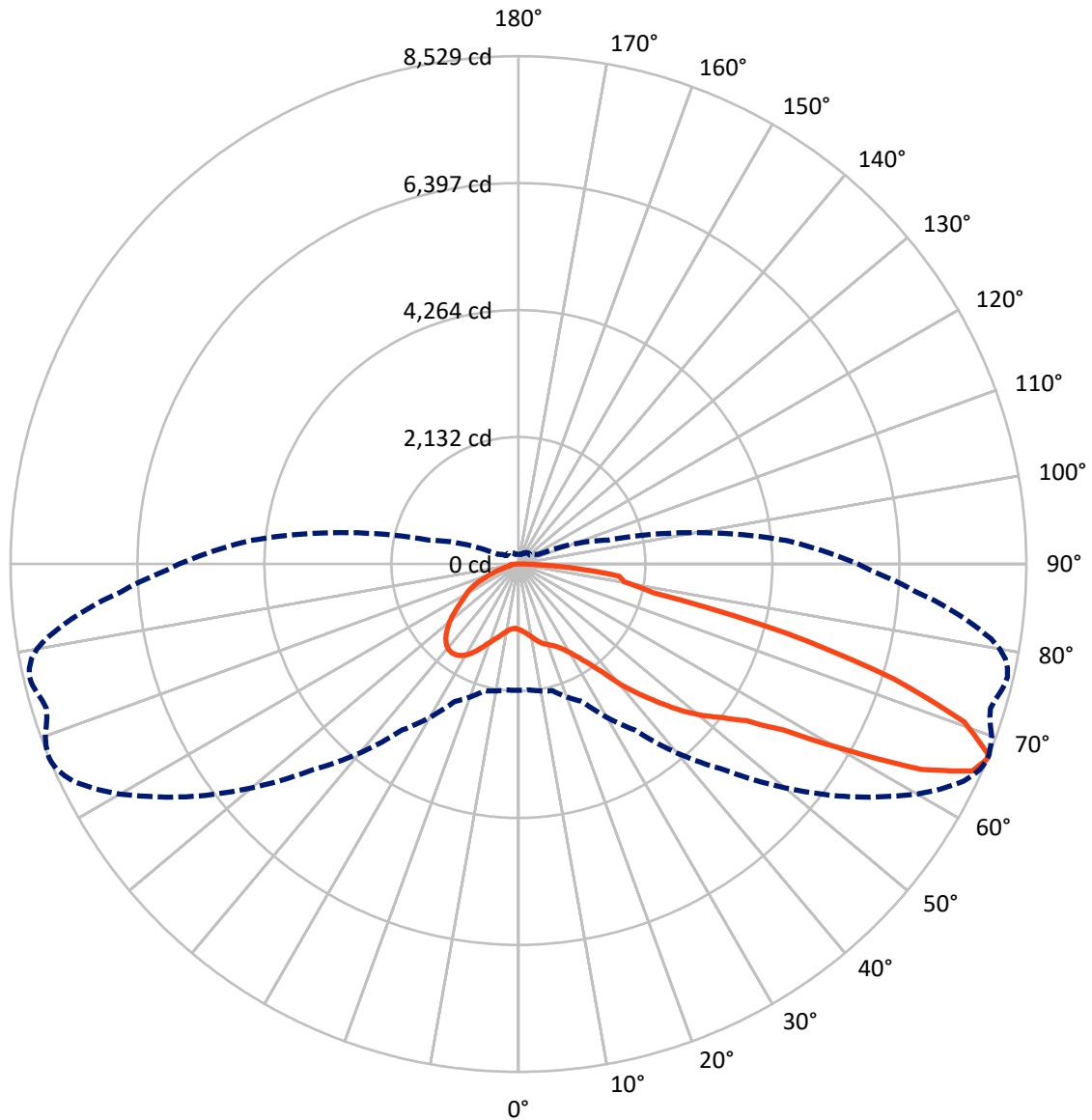
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.5 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	2448.9	0.0	2448.9
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	7893.0	0.0	7893.0
	% Fixture	76.3	0.0	76.3
Total	Lumens	10342.0	0.0	10342.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.8	1.1
10°-20°	376.0	3.6
20°-30°	669.4	6.5
30°-40°	975.0	9.4
40°-50°	1502.3	14.5
50°-60°	2200.2	21.3
60°-70°	2921.6	28.3
70°-80°	1377.2	13.3
80°-90°	210.5	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°	10342.0	100.0
0°-180°	10342.0	100.0



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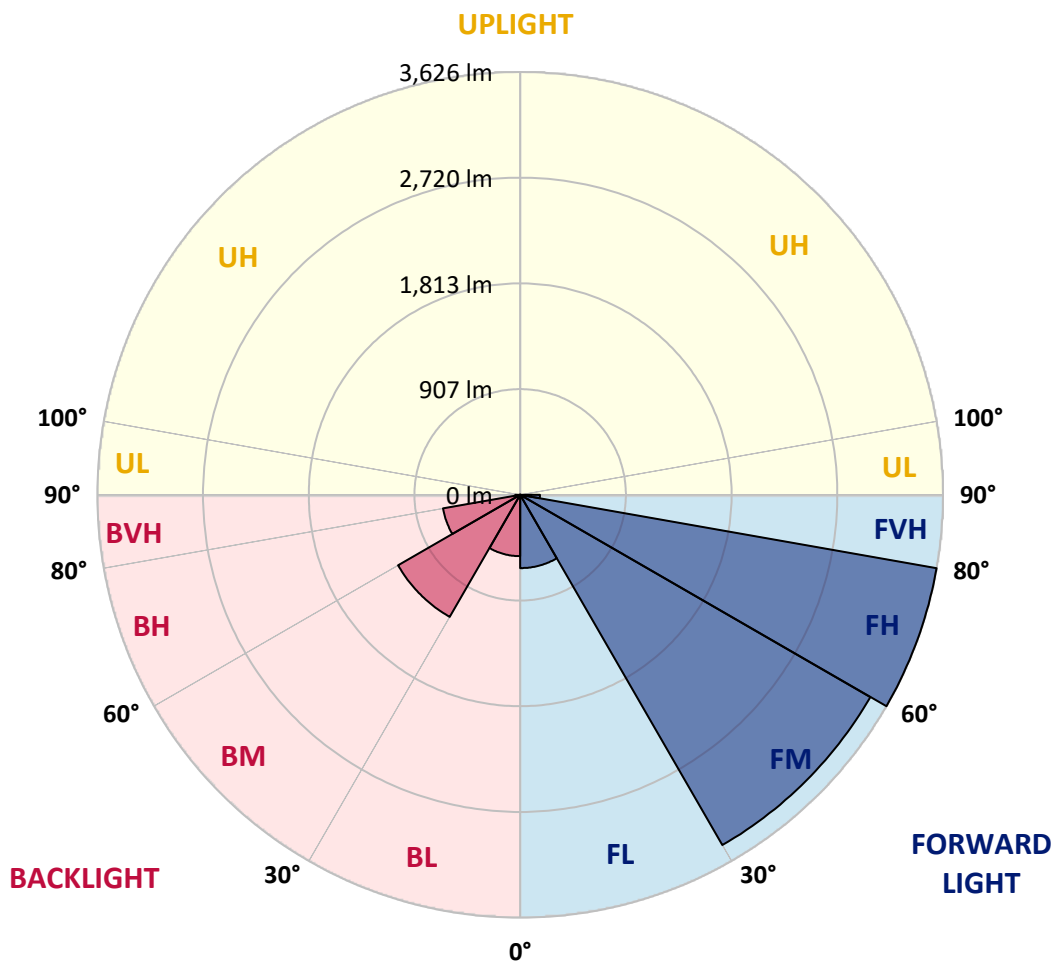
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	628.7	6.1			
FM (30°-60°)	3468.2	33.5			
FH (60°-80°)	3626.5	35.1			G2/5000
FVH (80°-90°)	169.7	1.6			G2/225
BL (0°-30°)	526.4	5.1	B2/1000		
BM (30°-60°)	1209.3	11.7	B2/2500		
BH (60°-80°)	672.3	6.5	B2/1000		G2/1000
BVH (80°-90°)	40.9	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°	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1
2.5°	1155.2	1150.3	1151.0	1153.1	1146.1	1142.6	1135.0	1130.1	1129.4	1128.7	1125.9
5°	1222.8	1217.9	1220.0	1214.4	1201.2	1192.1	1176.1	1167.7	1166.3	1164.9	1161.5
7.5°	1293.1	1286.9	1279.9	1273.6	1259.0	1244.4	1223.5	1210.9	1209.5	1207.4	1205.4
10°	1376.7	1367.7	1362.1	1342.6	1317.5	1297.3	1276.4	1263.2	1262.5	1260.4	1256.2
12.5°	1470.8	1461.1	1450.6	1424.8	1385.8	1355.8	1331.5	1323.8	1317.5	1318.2	1314.0
15°	1564.2	1553.7	1539.8	1507.0	1455.5	1410.9	1379.5	1368.4	1369.1	1365.6	1367.7
17.5°	1642.9	1633.8	1613.6	1571.8	1511.9	1450.6	1410.9	1406.0	1407.4	1406.7	1408.8
20°	1694.5	1688.9	1658.2	1608.1	1540.5	1472.9	1432.5	1432.5	1433.2	1436.0	1440.8
22.5°	1725.8	1717.5	1677.0	1606.7	1539.8	1483.3	1452.0	1459.0	1463.1	1465.2	1472.9
25°	1743.2	1732.8	1677.7	1584.4	1516.1	1491.0	1481.3	1498.7	1505.6	1509.1	1521.7
27.5°	1743.2	1730.7	1668.7	1556.5	1488.9	1514.0	1537.0	1567.0	1571.8	1582.3	1596.9
30°	1723.7	1714.0	1654.7	1535.6	1482.0	1557.2	1626.9	1661.0	1672.9	1684.7	1703.5
32.5°	1702.8	1694.5	1647.8	1546.8	1521.0	1647.8	1764.1	1810.8	1817.8	1827.5	1847.0
35°	1701.4	1698.6	1678.4	1617.8	1638.7	1813.6	1971.1	2003.1	2022.6	2027.5	2035.9
37.5°	1716.1	1721.6	1739.1	1732.8	1808.0	2060.2	2242.1	2306.2	2321.5	2313.2	2320.8
40°	1750.2	1764.1	1828.9	1909.1	2066.5	2358.4	2611.4	2685.2	2701.9	2697.1	2695.0
42.5°	1858.2	1877.0	1972.5	2143.9	2335.5	2667.1	2954.2	3033.6	3039.2	3041.9	3023.8
45°	2027.5	2038.0	2164.8	2383.5	2626.7	2999.4	3296.3	3384.7	3381.3	3367.3	3354.1
47.5°	2219.8	2241.4	2393.3	2658.0	2927.7	3306.7	3642.5	3728.9	3736.6	3724.1	3699.7
50°	2394.7	2411.4	2582.8	2897.0	3193.1	3562.4	3934.5	4021.6	4020.2	4027.1	4034.1
52.5°	2532.6	2548.0	2711.0	3056.6	3388.2	3777.0	4154.6	4261.9	4278.7	4289.8	4303.7
55°	2603.7	2619.7	2770.2	3122.8	3506.7	3986.7	4408.9	4562.9	4591.5	4616.6	4639.6
57.5°	2605.1	2626.0	2763.9	3117.9	3568.0	4174.1	4745.5	5022.1	5062.5	5126.6	5205.3
60°	2562.6	2591.9	2715.9	3072.6	3638.4	4411.7	5300.1	5829.6	5909.0	6021.2	6122.2
62.5°	2451.8	2481.1	2591.9	2957.6	3720.6	4716.2	6101.3	6877.5	7046.8	7170.8	7370.8
65°	2276.9	2304.8	2398.2	2767.4	3655.1	4956.6	6698.4	7629.3	7802.0	7957.4	8192.2
67°	2120.9	2123.6	2202.4	2549.4	3400.1	4882.0	6818.3	7729.6	7889.1	8046.6	8319.0
67.5°	2065.8	2081.1	2142.5	2476.9	3303.2	4827.0	6770.9	7675.2	7829.9	7997.8	8275.8
70°	1670.1	1674.3	1733.5	1975.9	2621.1	4002.0	6081.8	6982.0	7087.9	7333.8	7607.0
72.5°	1018.6	1011.7	1030.5	1210.2	1725.1	2771.6	4869.5	5748.1	5893.0	6102.7	6287.3
75°	560.9	594.3	617.3	742.0	969.2	1629.7	3315.8	4158.8	4371.3	4496.0	4533.0
77.5°	342.8	340.0	350.5	478.7	795.0	1114.8	1831.7	2440.0	2558.4	2593.9	2456.7
80°	163.0	169.3	167.2	197.2	385.3	940.6	1280.6	1567.0	1626.9	1661.0	1705.6
82.5°	89.2	92.7	105.2	117.7	151.9	404.8	1105.0	1445.0	1485.4	1544.0	1609.5
85°	55.7	58.5	80.8	85.0	93.4	124.7	460.5	844.4	878.6	994.9	1031.9
87.5°	23.0	25.1	43.9	39.7	47.4	43.9	139.3	214.6	227.8	242.5	268.9
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):

	65°	66°	67°	67.5°	68°	69°	70°	71°	72°	73°	74°
0°	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1
2.5°	1126.6	1125.9	1123.1	1122.4	1123.8	1123.8	1122.4	1120.4	1119.7	1119.0	1117.6
5°	1160.1	1158.7	1156.6	1155.2	1154.5	1154.5	1152.4	1150.3	1148.2	1145.4	1144.7
7.5°	1199.8	1199.8	1199.1	1197.0	1194.9	1192.1	1190.0	1187.9	1185.8	1184.5	1182.4
10°	1252.0	1254.8	1249.9	1248.6	1247.9	1243.7	1243.0	1240.9	1239.5	1236.0	1236.0
12.5°	1314.0	1311.3	1310.6	1307.8	1307.8	1305.7	1305.0	1304.3	1302.9	1300.1	1299.4
15°	1365.6	1365.6	1364.9	1363.5	1364.9	1363.5	1361.4	1362.8	1360.7	1361.4	1359.3
17.5°	1407.4	1410.2	1409.5	1410.2	1409.5	1409.5	1410.9	1410.9	1412.3	1409.5	1410.2
20°	1442.2	1446.4	1448.5	1447.1	1448.5	1449.2	1452.7	1454.1	1456.2	1457.6	1457.6
22.5°	1478.5	1484.0	1488.2	1488.2	1491.0	1493.8	1500.1	1501.5	1506.3	1505.6	1509.1
25°	1529.3	1538.4	1541.2	1545.4	1548.8	1553.7	1561.4	1564.9	1567.0	1571.8	1577.4
27.5°	1607.4	1618.5	1620.6	1625.5	1634.5	1637.3	1645.7	1649.2	1656.8	1667.3	1669.4
30°	1714.0	1727.9	1728.6	1734.2	1744.6	1748.1	1755.1	1764.1	1770.4	1780.9	1781.6
32.5°	1858.9	1872.8	1870.7	1881.2	1880.5	1890.9	1888.9	1902.8	1908.4	1913.9	1929.3
35°	2051.9	2050.5	2060.9	2064.4	2062.3	2070.7	2069.3	2075.6	2081.1	2081.1	2097.9
37.5°	2329.9	2327.8	2326.4	2311.8	2308.3	2309.0	2306.2	2311.8	2302.7	2302.7	2320.8
40°	2702.6	2690.1	2680.3	2670.6	2660.8	2647.6	2636.4	2633.7	2618.3	2617.6	2610.7
42.5°	3026.6	3014.8	3007.8	2989.0	2979.2	2977.2	2950.0	2942.3	2938.1	2940.9	2934.0
45°	3366.6	3354.1	3327.6	3319.2	3316.5	3301.8	3297.6	3278.8	3273.3	3283.0	3279.5
47.5°	3717.1	3699.0	3684.3	3674.6	3671.1	3658.6	3640.4	3655.8	3648.1	3642.5	3632.1
50°	4032.0	4011.8	4011.8	3994.4	3997.2	3988.8	3970.0	3974.2	3952.6	3960.9	3955.4
52.5°	4296.1	4297.5	4304.4	4284.9	4288.4	4288.4	4282.1	4261.9	4267.5	4264.7	4278.0
55°	4631.9	4654.9	4642.3	4645.8	4650.0	4669.5	4683.5	4671.6	4652.1	4667.4	4709.9
57.5°	5219.2	5240.1	5252.7	5262.4	5278.5	5287.5	5362.8	5373.2	5350.9	5396.9	5491.7
60°	6240.7	6265.7	6303.4	6352.8	6363.3	6426.7	6465.7	6511.7	6528.4	6568.1	6669.8
62.5°	7469.0	7525.4	7532.4	7595.1	7643.9	7584.7	7600.0	7656.4	7592.3	7680.1	7684.3
65°	8273.0	8355.3	8358.0	8381.0	8399.1	8343.4	8318.3	8293.2	8232.6	8229.1	8289.8
67°	8411.0	8486.2	8517.6	8528.7	8526.0	8497.4	8456.3	8383.8	8325.3	8291.8	8316.9
67.5°	8372.0	8445.8	8489.7	8500.2	8500.9	8473.0	8435.4	8356.6	8301.6	8264.0	8290.5
70°	7731.0	7903.8	7979.0	7940.0	7962.3	7962.3	7960.9	7888.4	7861.3	7825.0	7811.1
72.5°	6428.1	6547.9	6643.4	6592.5	6598.8	6646.2	6635.0	6642.7	6564.6	6556.3	6427.4
75°	4604.7	4643.0	4611.0	4647.2	4452.1	4382.5	4264.0	4091.2	4045.9	3974.2	3759.6
77.5°	2446.2	2403.0	2317.3	2310.4	2230.3	2168.2	2091.6	2041.4	1914.6	1844.3	1683.3
80°	1727.9	1748.8	1781.6	1801.1	1819.2	1833.1	1804.5	1724.4	1618.5	1500.1	1387.9
82.5°	1650.6	1679.1	1698.6	1708.4	1701.4	1679.1	1613.6	1537.0	1395.6	1293.1	1171.9
85°	1040.9	1063.9	1024.2	1015.8	1033.3	892.5	815.2	752.5	609.6	567.1	501.0
87.5°	279.4	294.7	295.4	286.4	280.8	247.3	218.8	193.7	160.2	150.5	121.9
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°	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1
2.5°	1117.6	1116.9	1116.9	1114.8	1113.4	1112.7	1112.0	1109.9	1108.5	1108.5	1107.8
5°	1144.0	1142.6	1140.6	1139.9	1137.1	1135.7	1132.9	1131.5	1129.4	1128.0	1127.3
7.5°	1181.7	1178.2	1174.0	1174.7	1170.5	1168.4	1167.0	1164.2	1162.2	1160.1	1159.4
10°	1231.8	1231.1	1227.0	1228.3	1220.7	1224.2	1217.2	1217.9	1213.7	1209.5	1208.8
12.5°	1295.9	1295.2	1291.1	1286.2	1284.8	1285.5	1281.3	1282.0	1277.1	1275.7	1274.3
15°	1357.2	1355.8	1353.8	1350.3	1348.2	1347.5	1346.1	1344.7	1340.5	1340.5	1335.6
17.5°	1410.2	1410.9	1408.1	1405.3	1403.9	1401.8	1401.1	1401.1	1397.7	1394.2	1394.9
20°	1456.9	1458.3	1458.3	1456.2	1456.9	1455.5	1454.8	1456.2	1452.7	1451.3	1449.2
22.5°	1509.1	1509.1	1509.8	1511.2	1513.3	1514.0	1514.0	1512.6	1510.5	1509.8	1505.6
25°	1581.6	1578.8	1582.3	1583.7	1583.7	1587.2	1585.8	1586.5	1587.2	1585.1	1583.0
27.5°	1672.9	1670.1	1677.0	1681.9	1681.2	1683.3	1687.5	1682.6	1685.4	1687.5	1682.6
30°	1785.0	1792.0	1796.9	1800.4	1799.0	1805.2	1807.3	1806.6	1804.5	1808.0	1808.0
32.5°	1927.9	1924.4	1936.9	1944.6	1945.3	1943.9	1947.4	1951.6	1948.1	1953.6	1950.9
35°	2097.9	2100.0	2102.7	2111.1	2114.6	2109.0	2114.6	2119.5	2118.1	2118.8	2121.6
37.5°	2317.3	2320.8	2318.0	2318.7	2317.3	2343.8	2348.0	2352.2	2347.3	2343.1	2355.7
40°	2621.8	2621.8	2621.1	2630.2	2614.8	2631.6	2626.7	2638.5	2651.1	2644.1	2662.9
42.5°	2921.4	2938.1	2939.5	2926.3	2937.4	2955.6	2955.6	2963.2	2974.4	2963.2	2981.3
45°	3264.9	3285.8	3282.3	3304.6	3287.9	3308.8	3312.3	3302.5	3326.9	3329.7	3322.7
47.5°	3639.7	3643.9	3644.6	3652.3	3655.8	3672.5	3671.8	3689.9	3684.3	3656.5	3666.2
50°	3960.9	3971.4	3977.0	3981.8	3999.3	4011.1	4027.1	4029.9	4025.7	4017.4	4009.7
52.5°	4282.1	4307.2	4323.2	4366.4	4393.6	4415.2	4441.7	4451.4	4446.6	4444.5	4413.8
55°	4712.0	4771.9	4864.6	4924.5	4990.0	5028.3	5059.0	5074.3	5063.2	5068.8	5005.3
57.5°	5521.6	5662.4	5743.2	5845.6	5961.3	6009.3	6022.6	6076.9	6017.0	5957.1	5909.0
60°	6724.9	6854.5	7001.5	7106.7	7145.7	7278.8	7216.1	7145.7	7081.6	6957.6	6817.6
62.5°	7811.1	7978.3	8053.6	8151.8	8125.3	8114.2	8072.4	7960.2	7822.9	7638.3	7451.6
65°	8346.9	8441.0	8487.6	8519.7	8489.7	8412.4	8274.4	8108.6	7912.1	7673.1	7427.9
67°	8368.5	8411.7	8427.0	8396.4	8329.5	8208.9	8034.8	7800.0	7558.2	7284.4	7008.5
67.5°	8333.0	8361.5	8369.2	8321.1	8241.7	8111.4	7925.4	7674.5	7417.4	7133.2	6855.9
70°	7848.0	7827.1	7759.5	7693.4	7445.3	7270.4	6946.5	6678.9	6322.2	6060.9	5764.8
72.5°	6375.8	6280.4	6214.9	5922.3	5622.7	5449.2	5100.8	4781.0	4455.6	4206.9	4025.0
75°	3579.1	3509.5	3327.6	3172.9	2925.6	2699.2	2536.8	2333.4	2138.3	2022.6	1937.6
77.5°	1617.1	1417.9	1280.6	1107.1	894.6	719.0	533.7	493.3	420.8	402.7	363.0
80°	1261.8	1119.0	939.2	740.6	522.6	351.2	257.8	218.8	205.5	197.2	193.0
82.5°	1052.8	867.4	730.2	518.4	331.6	223.0	167.9	151.9	142.1	135.2	128.9
85°	450.1	356.0	293.3	209.7	149.1	117.7	103.1	94.1	85.0	77.3	72.5
87.5°	105.2	80.8	73.9	62.7	59.2	58.5	57.8	55.0	51.6	47.4	42.5
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°	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1	1100.1
2.5°	1107.1	1106.4	1105.0	1102.9	1102.9	1100.1	1091.1	1084.8	1077.8	1073.7	1069.5
5°	1125.9	1125.2	1121.7	1119.7	1118.3	1112.7	1097.4	1085.5	1073.0	1063.9	1056.9
7.5°	1157.3	1155.2	1152.4	1151.0	1146.8	1139.9	1117.6	1100.8	1082.7	1068.1	1056.3
10°	1208.1	1204.7	1200.5	1196.3	1197.7	1186.5	1160.8	1136.4	1109.9	1086.9	1070.9
12.5°	1270.1	1270.1	1268.1	1265.3	1260.4	1247.9	1213.0	1184.5	1152.4	1123.8	1112.0
15°	1335.6	1332.2	1328.7	1324.5	1323.8	1307.1	1275.7	1243.0	1209.5	1185.1	1171.2
17.5°	1389.3	1390.7	1385.8	1384.4	1383.0	1366.3	1332.9	1303.6	1279.2	1253.4	1231.1
20°	1446.4	1443.6	1442.2	1440.2	1439.5	1425.5	1399.0	1380.9	1359.3	1320.3	1261.8
22.5°	1507.7	1504.3	1505.6	1501.5	1500.8	1491.0	1471.5	1465.9	1433.9	1351.7	1249.9
25°	1587.2	1580.9	1583.0	1583.0	1583.7	1574.6	1572.5	1562.8	1482.0	1344.0	1202.6
27.5°	1681.9	1684.7	1684.7	1684.0	1679.1	1681.9	1691.7	1658.2	1498.7	1303.6	1131.5
30°	1805.2	1806.6	1808.0	1812.9	1802.5	1820.6	1832.4	1725.8	1486.1	1247.9	1042.3
32.5°	1955.0	1949.5	1952.3	1955.0	1958.5	1977.3	1970.4	1760.0	1449.2	1171.9	931.5
35°	2120.2	2130.6	2133.4	2139.7	2146.6	2175.2	2095.1	1766.9	1392.8	1070.2	790.1
37.5°	2366.1	2382.8	2382.8	2405.1	2391.9	2426.7	2206.6	1750.2	1307.1	928.7	630.5
40°	2676.2	2683.8	2691.5	2694.3	2687.3	2683.1	2279.7	1709.1	1186.5	751.1	461.2
42.5°	2992.5	2989.7	2990.4	2995.3	2976.5	2897.7	2325.0	1637.3	1036.7	560.9	330.9
45°	3333.2	3321.3	3317.9	3308.1	3291.4	3125.6	2350.8	1536.3	839.6	394.4	259.9
47.5°	3664.8	3650.2	3627.9	3600.7	3568.7	3308.8	2348.0	1405.3	643.8	282.2	229.2
50°	4004.8	3979.1	3931.0	3904.5	3850.2	3490.6	2332.0	1259.7	463.3	233.4	214.6
52.5°	4393.6	4347.6	4303.0	4250.1	4160.2	3714.3	2307.6	1096.0	337.9	213.9	204.8
55°	4973.3	4898.1	4824.9	4714.8	4627.7	4013.9	2266.5	919.7	266.8	206.2	199.3
57.5°	5772.5	5644.3	5551.6	5403.2	5263.8	4428.5	2222.6	759.4	238.3	204.1	196.5
60°	6671.9	6478.9	6306.2	6123.6	5964.8	4946.1	2199.6	634.0	232.0	206.2	197.2
62.5°	7236.3	7008.5	6792.5	6569.5	6341.0	5193.5	2100.0	547.6	234.8	215.3	202.8
65°	7165.2	6913.7	6678.9	6407.2	6191.9	4960.1	1846.3	463.3	239.7	231.3	218.1
67°	6685.9	6442.0	6174.5	5908.3	5699.3	4516.2	1558.6	390.2	245.3	249.4	234.8
67.5°	6557.7	6283.2	6013.5	5769.0	5542.5	4379.0	1483.3	372.1	246.6	254.3	240.4
70°	5468.7	5251.3	4935.7	4754.5	4590.8	3549.9	1106.4	289.1	250.8	275.9	266.8
72.5°	3826.5	3616.1	3450.9	3352.0	3256.5	2579.3	778.3	230.6	244.6	287.8	278.7
75°	1932.7	1884.7	1826.8	1794.8	1796.2	1499.4	468.9	196.5	229.9	275.9	252.9
77.5°	381.8	372.1	376.2	411.8	405.5	461.9	232.7	166.5	195.8	212.5	181.8
80°	184.6	178.4	172.8	171.4	167.9	160.9	146.3	138.7	158.9	140.0	120.5
82.5°	119.8	112.9	110.1	104.5	105.2	114.3	127.5	133.1	128.9	96.8	81.5
85°	67.6	66.9	65.5	66.9	69.7	91.3	136.6	124.7	103.8	68.3	61.3
87.5°	40.4	38.3	39.0	39.7	41.1	67.6	108.0	89.9	66.2	35.5	36.2
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):

	155°	165°	175°	180°
0°	1100.1	1100.1	1100.1	1100.1
2.5°	1068.8	1066.0	1066.0	1065.3
5°	1051.4	1047.2	1046.5	1046.5
7.5°	1048.6	1043.0	1042.3	1040.2
10°	1061.1	1059.0	1059.7	1057.6
12.5°	1100.8	1103.6	1106.4	1106.4
15°	1161.5	1159.4	1162.9	1159.4
17.5°	1206.0	1187.9	1183.8	1181.7
20°	1207.4	1169.8	1157.3	1155.2
22.5°	1164.2	1108.5	1087.6	1084.1
25°	1091.1	1020.7	994.2	991.5
27.5°	999.1	920.4	881.4	880.0
30°	888.3	795.0	745.5	737.8
32.5°	753.2	642.4	590.1	573.4
35°	597.1	483.5	434.8	433.4
37.5°	445.9	357.4	326.1	324.7
40°	326.8	280.8	268.9	266.8
42.5°	266.8	248.0	243.2	241.1
45°	239.0	231.3	228.5	226.4
47.5°	222.3	217.4	215.3	215.3
50°	209.0	207.6	206.2	206.2
52.5°	200.0	199.3	197.9	197.2
55°	192.3	189.5	190.2	189.5
57.5°	187.4	183.2	183.2	183.2
60°	184.6	177.0	177.0	177.7
62.5°	185.3	173.5	172.8	172.8
65°	190.9	171.4	167.2	167.9
67°	197.9	169.3	160.9	160.2
67.5°	200.0	167.9	158.9	158.2
70°	208.3	163.7	148.4	147.0
72.5°	209.7	157.5	138.0	136.6
75°	195.1	149.1	129.6	126.1
77.5°	151.9	128.2	117.1	117.1
80°	106.6	98.2	83.6	82.9
82.5°	78.0	73.9	61.3	59.9
85°	57.1	53.6	45.3	45.3
87.5°	35.5	34.1	29.3	27.9
90°	0.0	0.0	0.0	0.0

(END OF REPORT)