

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: P145164

Luminaire Tested: **LDRL-SL3-F05-E-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145164
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-7030
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (35) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11191.9 lumens
Efficiency: N/A
Efficacy: 84.0 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

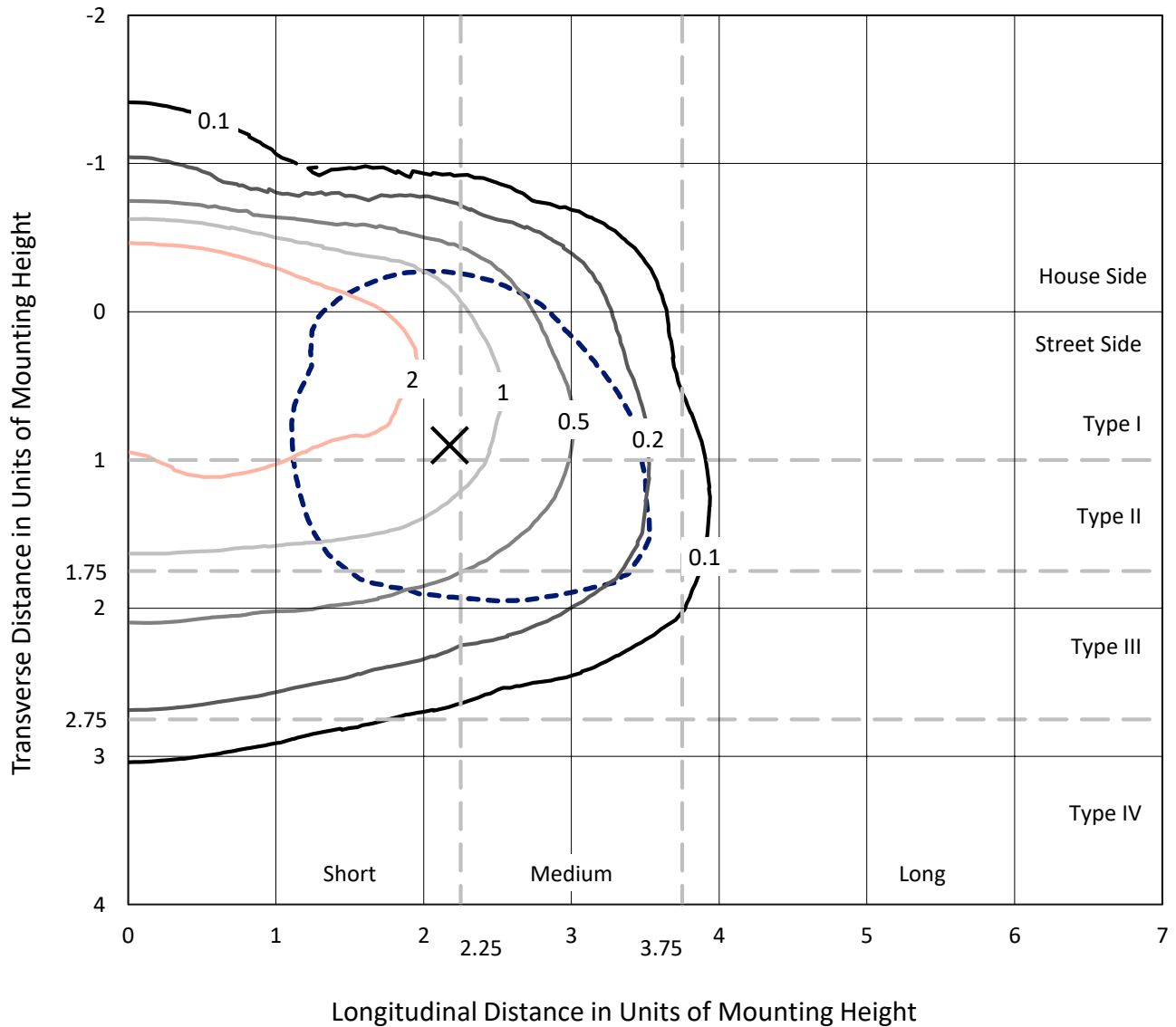
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

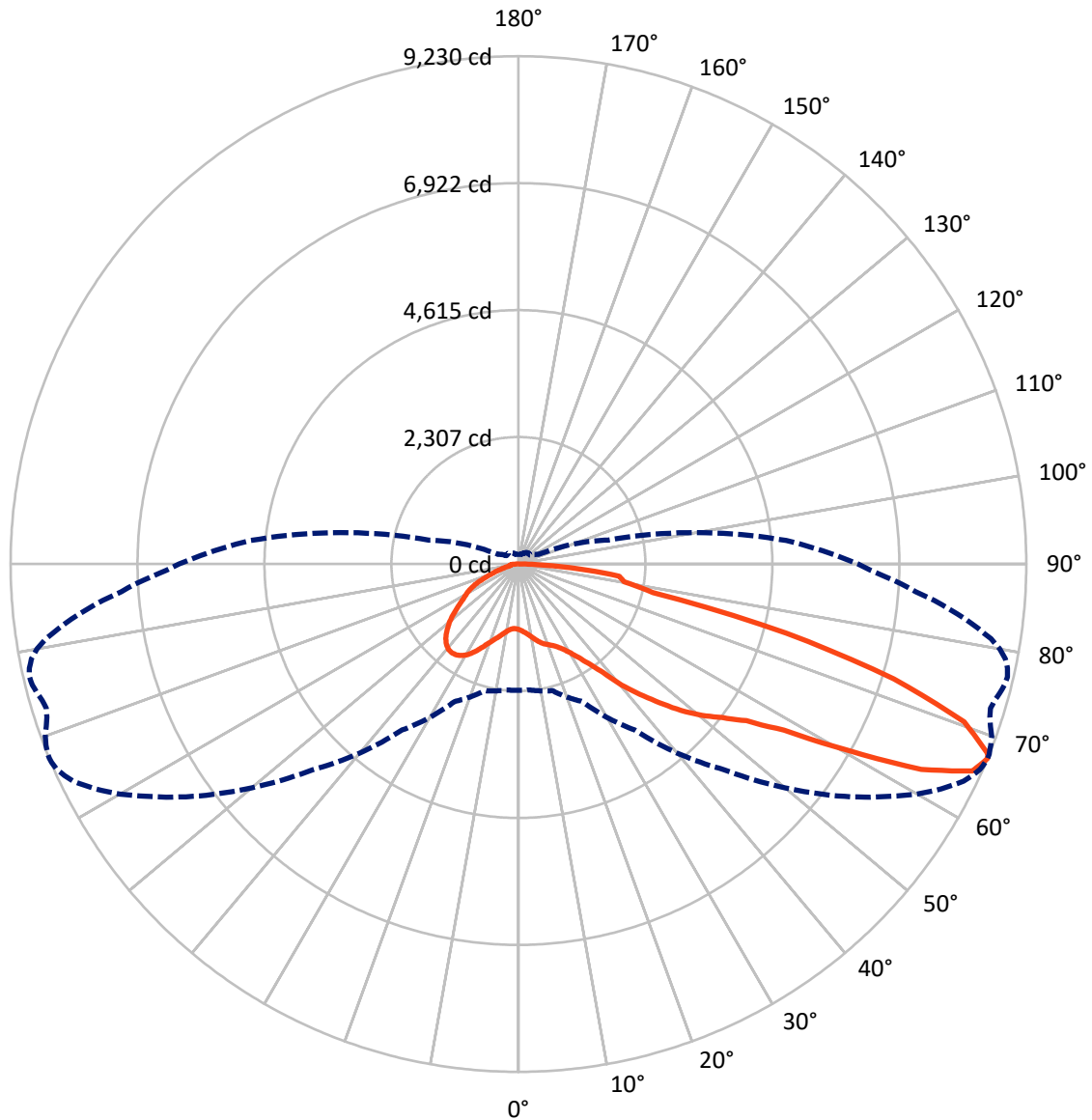
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.8 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	2650.2	0.0	2650.2
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	8541.7	0.0	8541.7
	% Fixture	76.3	0.0	76.3
Total	Lumens	11191.9	0.0	11191.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	1.1
10°-20°	406.9	3.6
20°-30°	724.4	6.5
30°-40°	1055.2	9.4
40°-50°	1625.8	14.5
50°-60°	2381.0	21.3
60°-70°	3161.7	28.2
70°-80°	1490.3	13.3
80°-90°	227.8	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°	11191.9	100.0
0°-180°	11191.9	100.0



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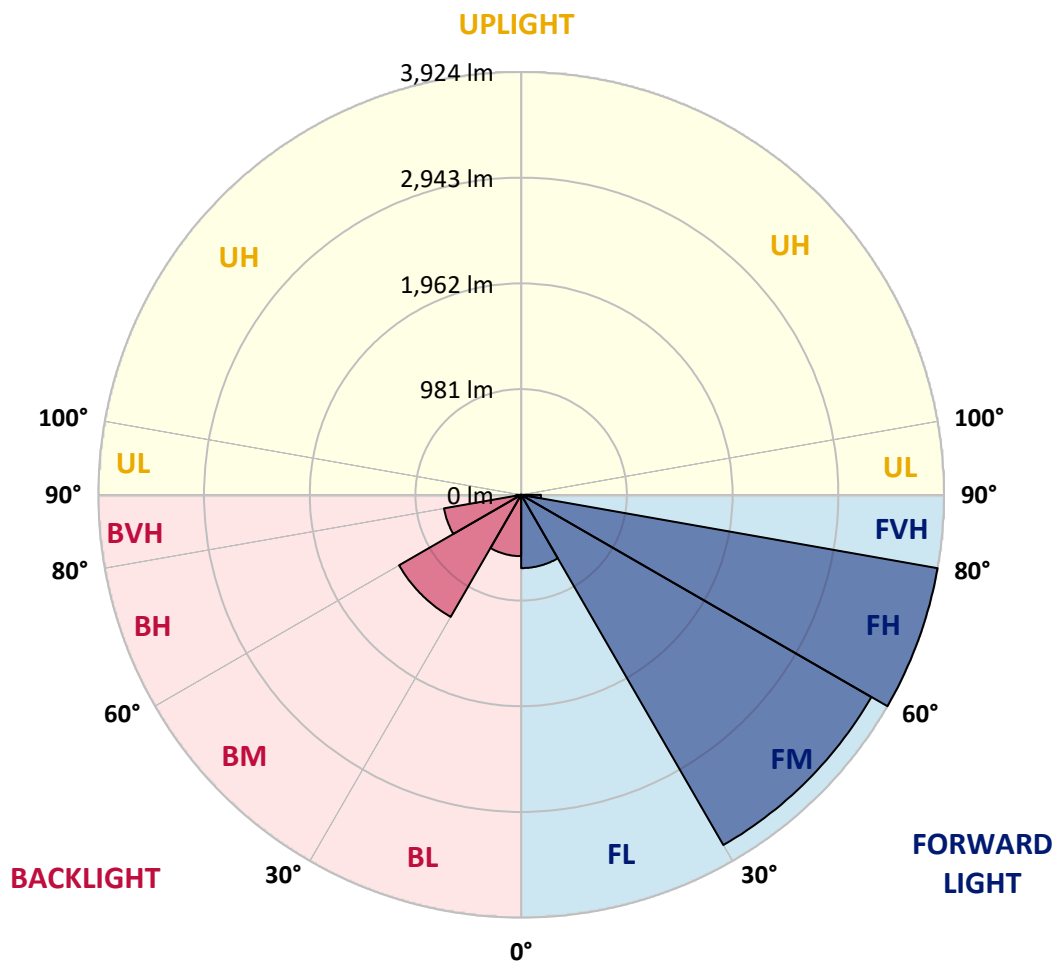
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	680.4	6.1			
FM (30°-60°)	3753.2	33.5			
FH (60°-80°)	3924.5	35.1			G2/5000
FVH (80°-90°)	183.6	1.6			G2/225
BL (0°-30°)	569.7	5.1	B2/1000		
BM (30°-60°)	1308.7	11.7	B2/2500		
BH (60°-80°)	727.6	6.5	B2/1000		G2/1000
BVH (80°-90°)	44.2	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°	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6
2.5°	1250.1	1244.8	1245.6	1247.9	1240.3	1236.5	1228.3	1223.0	1222.2	1221.5	1218.5
5°	1323.3	1318.0	1320.2	1314.2	1299.9	1290.1	1272.7	1263.7	1262.2	1260.7	1256.9
7.5°	1399.4	1392.6	1385.1	1378.3	1362.5	1346.6	1324.0	1310.4	1308.9	1306.7	1304.4
10°	1489.9	1480.1	1474.1	1452.9	1425.8	1403.9	1381.3	1367.0	1366.2	1364.0	1359.5
12.5°	1591.7	1581.1	1569.8	1541.9	1499.7	1467.3	1440.9	1432.6	1425.8	1426.6	1422.0
15°	1692.7	1681.4	1666.3	1630.9	1575.1	1526.8	1492.9	1480.8	1481.6	1477.8	1480.1
17.5°	1777.9	1768.1	1746.2	1701.0	1636.2	1569.8	1526.8	1521.6	1523.1	1522.3	1524.6
20°	1833.7	1827.7	1794.5	1740.2	1667.1	1593.9	1550.2	1550.2	1551.0	1554.0	1559.3
22.5°	1867.6	1858.6	1814.9	1738.7	1666.3	1605.3	1571.3	1578.9	1583.4	1585.6	1593.9
25°	1886.5	1875.2	1815.6	1714.6	1640.7	1613.5	1603.0	1621.8	1629.4	1633.1	1646.7
27.5°	1886.5	1872.9	1805.8	1684.4	1611.3	1638.4	1663.3	1695.7	1701.0	1712.3	1728.2
30°	1865.4	1854.8	1790.7	1661.8	1603.7	1685.2	1760.6	1797.5	1810.3	1823.2	1843.5
32.5°	1842.8	1833.7	1783.2	1673.9	1646.0	1783.2	1909.1	1959.6	1967.2	1977.7	1998.8
35°	1841.3	1838.2	1816.4	1750.8	1773.4	1962.6	2133.0	2167.7	2188.8	2194.1	2203.2
37.5°	1857.1	1863.1	1882.0	1875.2	1956.6	2229.6	2426.4	2495.7	2512.3	2503.3	2511.6
40°	1894.0	1909.1	1979.2	2065.9	2236.3	2552.3	2826.0	2905.9	2924.0	2918.7	2916.4
42.5°	2010.9	2031.3	2134.6	2320.0	2527.4	2886.3	3196.9	3282.9	3288.9	3291.9	3272.3
45°	2194.1	2205.4	2342.7	2579.4	2842.6	3245.9	3567.1	3662.9	3659.1	3644.1	3629.7
47.5°	2402.2	2425.6	2590.0	2876.5	3168.3	3578.5	3941.9	4035.4	4043.7	4030.1	4003.7
50°	2591.5	2609.6	2795.1	3135.1	3455.6	3855.2	4257.8	4352.1	4350.5	4358.1	4365.6
52.5°	2740.8	2757.4	2933.8	3307.8	3666.7	4087.4	4496.1	4612.2	4630.3	4642.3	4657.4
55°	2817.7	2835.0	2997.9	3379.4	3794.8	4314.4	4771.3	4937.9	4968.8	4996.0	5020.8
57.5°	2819.2	2841.8	2991.1	3374.1	3861.2	4517.2	5135.4	5434.8	5478.5	5547.9	5633.1
60°	2773.2	2804.9	2939.1	3325.1	3937.4	4774.3	5735.6	6308.7	6394.6	6516.0	6625.3
62.5°	2653.3	2685.0	2804.9	3200.7	4026.3	5103.8	6602.7	7442.7	7625.9	7760.1	7976.5
65°	2464.1	2494.2	2595.2	2994.9	3955.4	5363.9	7248.9	8256.2	8443.2	8611.4	8865.5
67°	2295.2	2298.2	2383.4	2758.9	3679.5	5283.2	7378.6	8364.8	8537.5	8707.9	9002.7
67.5°	2235.6	2252.2	2318.5	2680.4	3574.7	5223.7	7327.3	8306.0	8473.4	8655.1	8955.9
70°	1807.3	1811.8	1875.9	2138.3	2836.5	4330.9	6581.6	7555.8	7670.4	7936.5	8232.1
72.5°	1102.3	1094.8	1115.2	1309.7	1866.9	2999.4	5269.7	6220.4	6377.3	6604.2	6804.0
75°	607.0	643.2	668.0	803.0	1048.8	1763.6	3588.3	4500.6	4730.6	4865.5	4905.5
77.5°	371.0	367.9	379.3	518.0	860.3	1206.4	1982.2	2640.5	2768.7	2807.1	2658.6
80°	176.4	183.2	181.0	213.4	417.0	1017.9	1385.8	1695.7	1760.6	1797.5	1845.8
82.5°	96.5	100.3	113.9	127.4	164.4	438.1	1195.8	1563.8	1607.5	1670.8	1741.7
85°	60.3	63.3	87.5	92.0	101.0	135.0	498.4	913.8	950.8	1076.7	1116.7
87.5°	24.9	27.1	47.5	43.0	51.3	47.5	150.8	232.2	246.6	262.4	291.0
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°	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6
2.5°	1219.2	1218.5	1215.4	1214.7	1216.2	1216.2	1214.7	1212.4	1211.7	1210.9	1209.4
5°	1255.4	1253.9	1251.6	1250.1	1249.4	1249.4	1247.1	1244.8	1242.6	1239.6	1238.8
7.5°	1298.4	1298.4	1297.6	1295.4	1293.1	1290.1	1287.8	1285.6	1283.3	1281.8	1279.5
10°	1354.9	1357.9	1352.7	1351.2	1350.4	1345.9	1345.1	1342.9	1341.4	1337.6	1337.6
12.5°	1422.0	1419.0	1418.3	1415.2	1415.2	1413.0	1412.2	1411.5	1410.0	1407.0	1406.2
15°	1477.8	1477.8	1477.1	1475.6	1477.1	1475.6	1473.3	1474.8	1472.5	1473.3	1471.0
17.5°	1523.1	1526.1	1525.3	1526.1	1525.3	1525.3	1526.8	1526.8	1528.3	1525.3	1526.1
20°	1560.8	1565.3	1567.6	1566.0	1567.6	1568.3	1572.1	1573.6	1575.8	1577.4	1577.4
22.5°	1600.0	1606.0	1610.5	1610.5	1613.5	1616.6	1623.3	1624.9	1630.1	1629.4	1633.1
25°	1655.0	1664.8	1667.8	1672.4	1676.1	1681.4	1689.7	1693.5	1695.7	1701.0	1707.0
27.5°	1739.5	1751.5	1753.8	1759.1	1768.9	1771.9	1780.9	1784.7	1793.0	1804.3	1806.6
30°	1854.8	1869.9	1870.7	1876.7	1888.0	1891.8	1899.3	1909.1	1915.9	1927.2	1928.0
32.5°	2011.7	2026.7	2024.5	2035.8	2035.0	2046.3	2044.1	2059.2	2065.2	2071.2	2087.8
35°	2220.5	2219.0	2230.3	2234.1	2231.8	2240.9	2239.4	2246.1	2252.2	2252.2	2270.3
37.5°	2521.4	2519.1	2517.6	2501.8	2498.0	2498.7	2495.7	2501.8	2491.9	2491.9	2511.6
40°	2924.7	2911.2	2900.6	2890.1	2879.5	2865.2	2853.1	2850.1	2833.5	2832.8	2825.2
42.5°	3275.3	3262.5	3255.0	3234.6	3224.1	3221.8	3192.4	3184.1	3179.6	3182.6	3175.1
45°	3643.3	3629.7	3601.1	3592.0	3589.0	3573.2	3568.7	3548.3	3542.3	3552.8	3549.0
47.5°	4022.6	4003.0	3987.1	3976.6	3972.8	3959.2	3939.6	3956.2	3947.9	3941.9	3930.6
50°	4363.4	4341.5	4341.5	4322.6	4325.7	4316.6	4296.3	4300.8	4277.4	4286.5	4280.4
52.5°	4649.1	4650.6	4658.2	4637.1	4640.8	4640.8	4634.0	4612.2	4618.2	4615.2	4629.5
55°	5012.5	5037.4	5023.9	5027.6	5032.2	5053.3	5068.3	5055.5	5034.4	5051.0	5097.0
57.5°	5648.2	5670.8	5684.4	5694.9	5712.3	5722.1	5803.5	5814.8	5790.7	5840.4	5943.0
60°	6753.5	6780.7	6821.4	6874.9	6886.2	6954.8	6997.1	7046.8	7064.9	7107.9	7218.0
62.5°	8082.8	8143.9	8151.4	8219.3	8272.1	8208.0	8224.6	8285.6	8216.3	8311.3	8315.8
65°	8952.9	9041.9	9044.9	9069.8	9089.4	9029.1	9001.9	8974.8	8909.2	8905.4	8971.0
67°	9102.2	9183.6	9217.6	9229.6	9226.6	9195.7	9151.2	9072.8	9009.5	8973.3	9000.4
67.5°	9060.0	9139.9	9187.4	9198.7	9199.5	9169.3	9128.6	9043.4	8983.8	8943.1	8971.8
70°	8366.3	8553.3	8634.7	8592.5	8616.6	8616.6	8615.1	8536.7	8507.3	8468.1	8453.0
72.5°	6956.3	7086.0	7189.3	7134.3	7141.1	7192.3	7180.3	7188.6	7104.1	7095.1	6955.6
75°	4983.1	5024.6	4989.9	5029.1	4818.0	4742.6	4614.4	4427.4	4378.4	4300.8	4068.5
77.5°	2647.3	2600.5	2507.8	2500.2	2413.5	2346.4	2263.5	2209.2	2072.0	1995.8	1821.6
80°	1869.9	1892.5	1928.0	1949.1	1968.7	1983.8	1952.8	1866.1	1751.5	1623.3	1502.0
82.5°	1786.2	1817.1	1838.2	1848.8	1841.3	1817.1	1746.2	1663.3	1510.2	1399.4	1268.2
85°	1126.5	1151.3	1108.4	1099.3	1118.2	965.9	882.2	814.3	659.7	613.8	542.1
87.5°	302.4	318.9	319.7	309.9	303.9	267.7	236.8	209.6	173.4	162.9	131.9
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°	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6
2.5°	1209.4	1208.7	1208.7	1206.4	1204.9	1204.1	1203.4	1201.1	1199.6	1199.6	1198.8
5°	1238.1	1236.5	1234.3	1233.5	1230.5	1229.0	1226.0	1224.5	1222.2	1220.7	1220.0
7.5°	1278.8	1275.0	1270.5	1271.2	1266.7	1264.4	1262.9	1259.9	1257.7	1255.4	1254.6
10°	1333.1	1332.3	1327.8	1329.3	1321.0	1324.8	1317.2	1318.0	1313.5	1308.9	1308.2
12.5°	1402.4	1401.7	1397.1	1391.9	1390.4	1391.1	1386.6	1387.3	1382.1	1380.6	1379.1
15°	1468.8	1467.3	1465.0	1461.2	1459.0	1458.2	1456.7	1455.2	1450.7	1450.7	1445.4
17.5°	1526.1	1526.8	1523.8	1520.8	1519.3	1517.0	1516.3	1516.3	1512.5	1508.7	1509.5
20°	1576.6	1578.1	1578.1	1575.8	1576.6	1575.1	1574.3	1575.8	1572.1	1570.6	1568.3
22.5°	1633.1	1633.1	1633.9	1635.4	1637.7	1638.4	1638.4	1636.9	1634.7	1633.9	1629.4
25°	1711.6	1708.5	1712.3	1713.8	1713.8	1717.6	1716.1	1716.8	1717.6	1715.3	1713.1
27.5°	1810.3	1807.3	1814.9	1820.1	1819.4	1821.6	1826.2	1820.9	1823.9	1826.2	1820.9
30°	1931.7	1939.3	1944.5	1948.3	1946.8	1953.6	1955.9	1955.1	1952.8	1956.6	1956.6
32.5°	2086.3	2082.5	2096.1	2104.4	2105.1	2103.6	2107.4	2111.9	2108.2	2114.2	2111.2
35°	2270.3	2272.5	2275.6	2284.6	2288.4	2282.3	2288.4	2293.6	2292.1	2292.9	2295.9
37.5°	2507.8	2511.6	2508.5	2509.3	2507.8	2536.4	2541.0	2545.5	2540.2	2535.7	2549.3
40°	2837.3	2837.3	2836.5	2846.3	2829.7	2847.8	2842.6	2855.4	2868.9	2861.4	2881.8
42.5°	3161.5	3179.6	3181.1	3166.8	3178.8	3198.4	3198.4	3206.7	3218.8	3206.7	3226.3
45°	3533.2	3555.8	3552.1	3576.2	3558.1	3580.7	3584.5	3573.9	3600.3	3603.3	3595.8
47.5°	3938.9	3943.4	3944.1	3952.4	3956.2	3974.3	3973.5	3993.1	3987.1	3957.0	3967.5
50°	4286.5	4297.8	4303.8	4309.1	4327.9	4340.7	4358.1	4361.1	4356.6	4347.5	4339.2
52.5°	4634.0	4661.2	4678.5	4725.3	4754.7	4778.1	4806.7	4817.3	4812.0	4809.7	4776.5
55°	5099.3	5164.1	5264.4	5329.2	5400.1	5441.6	5474.7	5491.3	5479.3	5485.3	5416.7
57.5°	5975.4	6127.7	6215.2	6326.0	6451.2	6503.2	6517.5	6576.3	6511.5	6446.6	6394.6
60°	7277.5	7417.8	7576.9	7690.7	7733.0	7877.0	7809.1	7733.0	7663.6	7529.4	7377.8
62.5°	8453.0	8634.0	8715.4	8821.7	8793.1	8781.0	8735.8	8614.4	8465.8	8266.0	8064.0
65°	9032.8	9134.6	9185.1	9219.8	9187.4	9103.7	8954.4	8775.0	8562.3	8303.7	8038.3
67°	9056.2	9103.0	9119.6	9086.4	9014.0	8883.6	8695.1	8441.0	8179.3	7883.0	7584.4
67.5°	9017.8	9048.7	9057.0	9004.9	8919.0	8778.0	8576.7	8305.2	8027.0	7719.4	7419.3
70°	8493.0	8470.4	8397.2	8325.6	8057.2	7867.9	7517.3	7227.8	6841.7	6559.0	6238.5
72.5°	6899.8	6796.5	6725.6	6408.9	6084.7	5897.0	5520.0	5173.9	4821.8	4552.6	4355.8
75°	3873.3	3797.9	3601.1	3433.7	3166.0	2921.0	2745.3	2525.1	2314.0	2188.8	2096.9
77.5°	1750.0	1534.4	1385.8	1198.1	968.1	778.1	577.6	533.8	455.4	435.8	392.8
80°	1365.5	1210.9	1016.4	801.5	565.5	380.0	279.0	236.8	222.4	213.4	208.9
82.5°	1139.3	938.7	790.2	561.0	358.9	241.3	181.7	164.4	153.8	146.3	139.5
85°	487.1	385.3	317.4	227.0	161.4	127.4	111.6	101.8	92.0	83.7	78.4
87.5°	113.9	87.5	79.9	67.9	64.1	63.3	62.6	59.6	55.8	51.3	46.0
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):

	86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°
0°	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6	1190.6
2.5°	1198.1	1197.3	1195.8	1193.6	1193.6	1190.6	1180.8	1174.0	1166.4	1161.9	1157.4
5°	1218.5	1217.7	1213.9	1211.7	1210.2	1204.1	1187.5	1174.7	1161.1	1151.3	1143.8
7.5°	1252.4	1250.1	1247.1	1245.6	1241.1	1233.5	1209.4	1191.3	1171.7	1155.9	1143.1
10°	1307.4	1303.7	1299.1	1294.6	1296.1	1284.1	1256.2	1229.8	1201.1	1176.2	1158.9
12.5°	1374.5	1374.5	1372.3	1369.3	1364.0	1350.4	1312.7	1281.8	1247.1	1216.2	1203.4
15°	1445.4	1441.6	1437.9	1433.3	1432.6	1414.5	1380.6	1345.1	1308.9	1282.5	1267.5
17.5°	1503.5	1505.0	1499.7	1498.2	1496.7	1478.6	1442.4	1410.7	1384.3	1356.4	1332.3
20°	1565.3	1562.3	1560.8	1558.5	1557.8	1542.7	1514.0	1494.4	1471.0	1428.8	1365.5
22.5°	1631.6	1627.9	1629.4	1624.9	1624.1	1613.5	1592.4	1586.4	1551.7	1462.7	1352.7
25°	1717.6	1710.8	1713.1	1713.1	1713.8	1704.0	1701.8	1691.2	1603.7	1454.5	1301.4
27.5°	1820.1	1823.2	1823.2	1822.4	1817.1	1820.1	1830.7	1794.5	1621.8	1410.7	1224.5
30°	1953.6	1955.1	1956.6	1961.9	1950.6	1970.2	1983.0	1867.6	1608.3	1350.4	1128.0
32.5°	2115.7	2109.7	2112.7	2115.7	2119.5	2139.8	2132.3	1904.6	1568.3	1268.2	1008.1
35°	2294.4	2305.7	2308.7	2315.5	2323.1	2354.0	2267.3	1912.1	1507.2	1158.1	855.0
37.5°	2560.6	2578.7	2578.7	2602.8	2588.5	2626.2	2387.9	1894.0	1414.5	1005.1	682.4
40°	2896.1	2904.4	2912.7	2915.7	2908.2	2903.6	2467.1	1849.5	1284.1	812.8	499.1
42.5°	3238.4	3235.4	3236.1	3241.4	3221.1	3135.9	2516.1	1771.9	1121.9	607.0	358.1
45°	3607.1	3594.3	3590.5	3580.0	3561.9	3382.4	2544.0	1662.6	908.6	426.8	281.2
47.5°	3966.0	3950.2	3926.0	3896.6	3862.0	3580.7	2541.0	1520.8	696.7	305.4	248.1
50°	4334.0	4306.1	4254.0	4225.4	4166.6	3777.5	2523.6	1363.2	501.4	252.6	232.2
52.5°	4754.7	4704.9	4656.7	4599.4	4502.1	4019.5	2497.2	1186.0	365.7	231.5	221.7
55°	5382.0	5300.6	5221.4	5102.3	5008.0	4343.8	2452.7	995.3	288.8	223.2	215.6
57.5°	6246.8	6108.1	6007.8	5847.2	5696.4	4792.4	2405.2	821.9	257.9	220.9	212.6
60°	7220.2	7011.4	6824.4	6626.8	6454.9	5352.6	2380.4	686.1	251.1	223.2	213.4
62.5°	7831.0	7584.4	7350.7	7109.4	6862.1	5620.3	2272.5	592.6	254.1	233.0	219.4
65°	7754.1	7481.9	7227.8	6933.7	6700.7	5367.7	1998.1	501.4	259.4	250.3	236.0
67°	7235.3	6971.4	6681.9	6393.9	6167.7	4887.4	1686.7	422.2	265.4	269.9	254.1
67.5°	7096.6	6799.5	6507.7	6243.1	5998.0	4738.8	1605.3	402.6	266.9	275.2	260.1
70°	5918.1	5682.8	5341.3	5145.3	4968.1	3841.6	1197.3	312.9	271.4	298.6	288.8
72.5°	4140.9	3913.2	3734.5	3627.5	3524.2	2791.3	842.2	249.6	264.7	311.4	301.6
75°	2091.6	2039.6	1977.0	1942.3	1943.8	1622.6	507.4	212.6	248.8	298.6	273.7
77.5°	413.2	402.6	407.2	445.6	438.8	499.9	251.8	180.2	211.9	230.0	196.8
80°	199.8	193.0	187.0	185.5	181.7	174.2	158.3	150.0	171.9	151.6	130.4
82.5°	129.7	122.1	119.1	113.1	113.9	123.7	138.0	144.0	139.5	104.8	88.2
85°	73.1	72.4	70.9	72.4	75.4	98.8	147.8	135.0	112.3	73.9	66.4
87.5°	43.7	41.5	42.2	43.0	44.5	73.1	116.9	97.3	71.6	38.5	39.2
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°	1190.6	1190.6	1190.6	1190.6
2.5°	1156.6	1153.6	1153.6	1152.9
5°	1137.8	1133.3	1132.5	1132.5
7.5°	1134.8	1128.7	1128.0	1125.7
10°	1148.3	1146.1	1146.8	1144.6
12.5°	1191.3	1194.3	1197.3	1197.3
15°	1256.9	1254.6	1258.4	1254.6
17.5°	1305.2	1285.6	1281.0	1278.8
20°	1306.7	1266.0	1252.4	1250.1
22.5°	1259.9	1199.6	1177.0	1173.2
25°	1180.8	1104.6	1075.9	1072.9
27.5°	1081.2	996.0	953.8	952.3
30°	961.3	860.3	806.8	798.5
32.5°	815.1	695.2	638.6	620.5
35°	646.2	523.3	470.5	469.0
37.5°	482.6	386.8	352.9	351.4
40°	353.6	303.9	291.0	288.8
42.5°	288.8	268.4	263.1	260.9
45°	258.6	250.3	247.3	245.0
47.5°	240.5	235.2	233.0	233.0
50°	226.2	224.7	223.2	223.2
52.5°	216.4	215.6	214.1	213.4
55°	208.1	205.1	205.8	205.1
57.5°	202.8	198.3	198.3	198.3
60°	199.8	191.5	191.5	192.3
62.5°	200.6	187.7	187.0	187.0
65°	206.6	185.5	181.0	181.7
67°	214.1	183.2	174.2	173.4
67.5°	216.4	181.7	171.9	171.2
70°	225.4	177.2	160.6	159.1
72.5°	227.0	170.4	149.3	147.8
75°	211.1	161.4	140.2	136.5
77.5°	164.4	138.7	126.7	126.7
80°	115.4	106.3	90.5	89.7
82.5°	84.4	79.9	66.4	64.8
85°	61.8	58.1	49.0	49.0
87.5°	38.5	36.9	31.7	30.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)