

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: P145154

Luminaire Tested: **LDRL-SL3-F04-E-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145154
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-F04-E-7030
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (28) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8953.5 lumens
Efficiency: N/A
Efficacy: 87.6 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

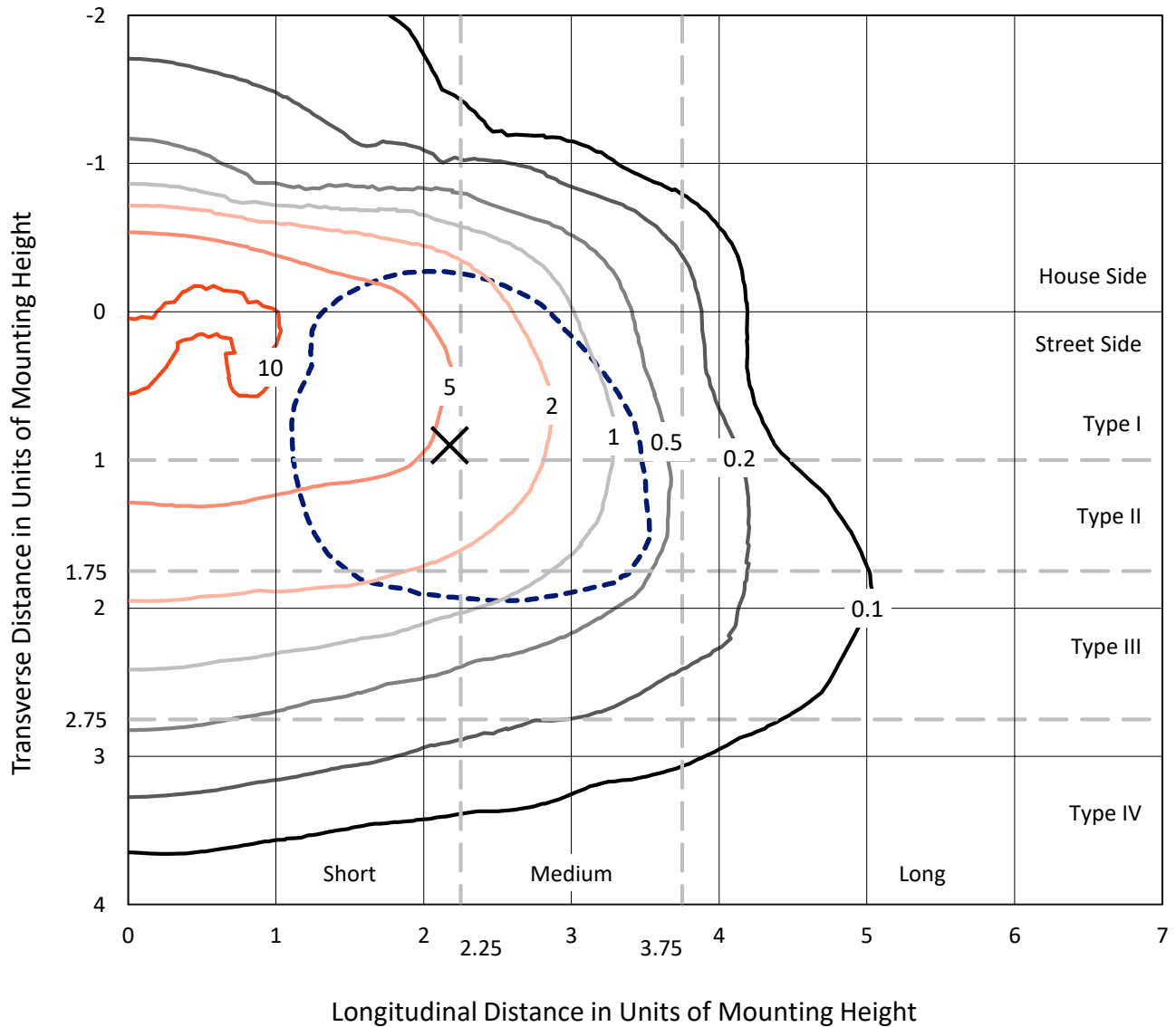
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

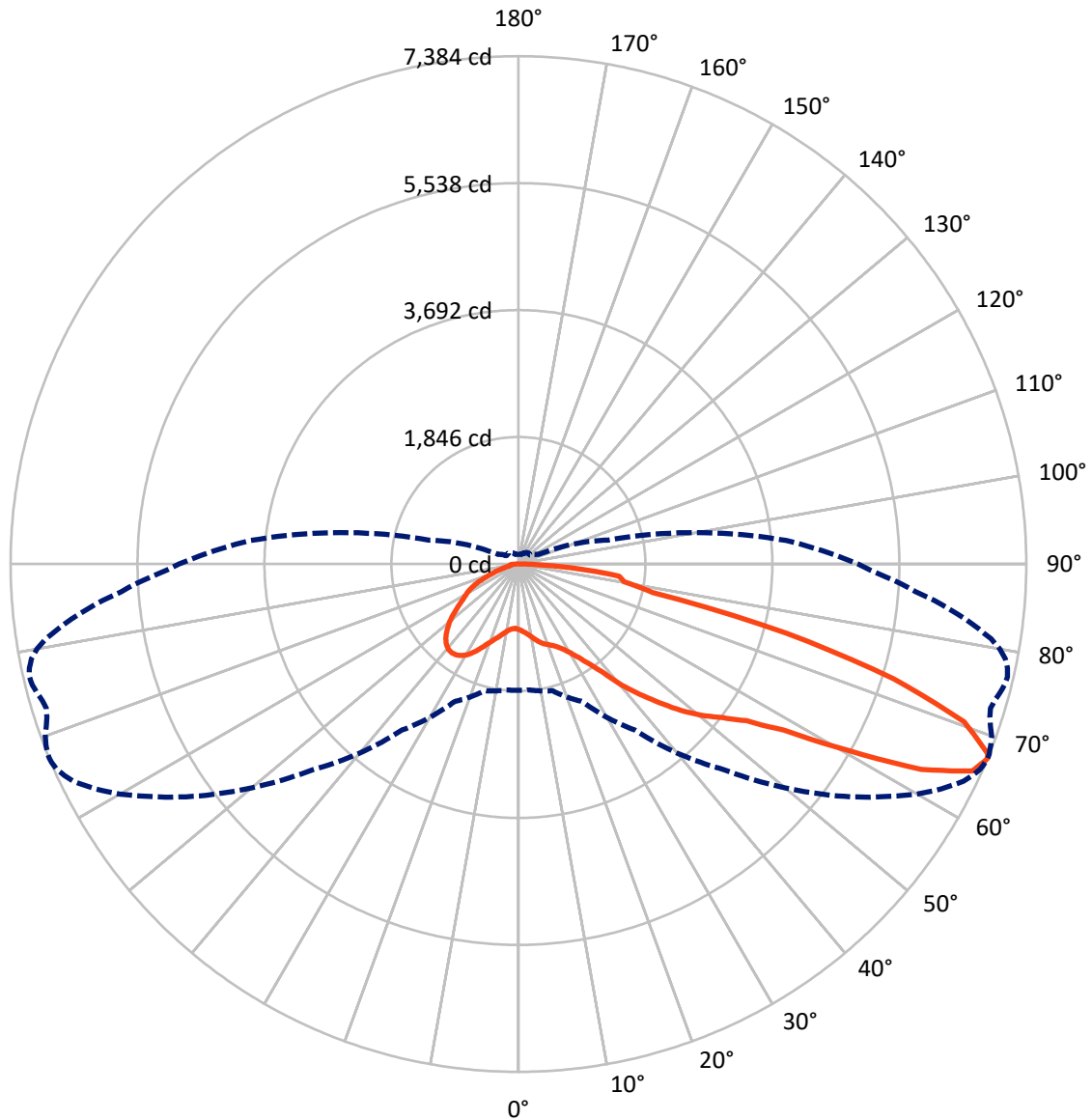
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 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	2120.2	0.0	2120.2
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	6833.4	0.0	6833.4
	% Fixture	76.3	0.0	76.3
Total	Lumens	8953.5	0.0	8953.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.1	1.1
10°-20°	325.5	3.6
20°-30°	579.5	6.5
30°-40°	844.1	9.4
40°-50°	1300.6	14.5
50°-60°	1904.8	21.3
60°-70°	2529.4	28.3
70°-80°	1192.3	13.3
80°-90°	182.3	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°	8953.5	100.0
0°-180°	8953.5	100.0



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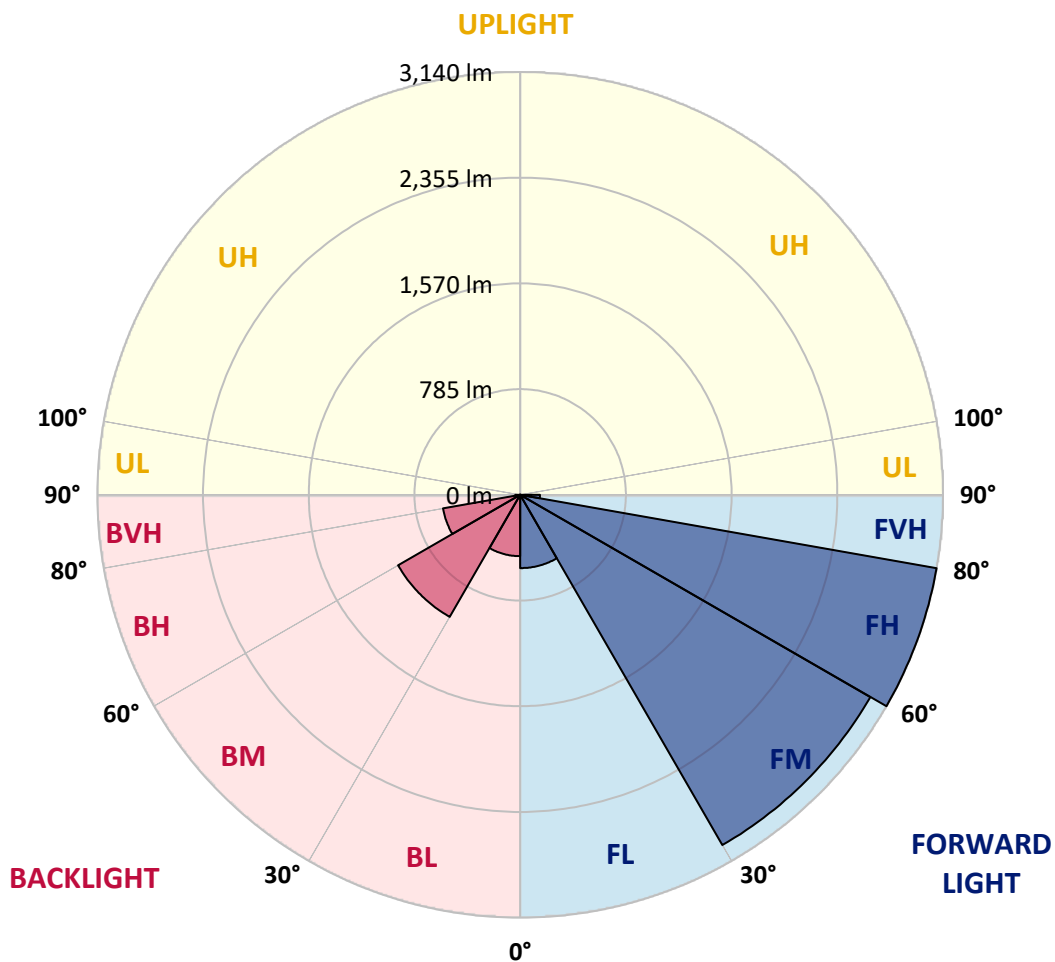
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	544.3	6.1			
FM	(30°-60°)	3002.6	33.5			
FH	(60°-80°)	3139.6	35.1			G2/5000
FVH	(80°-90°)	146.9	1.6			G2/225
BL	(0°-30°)	455.8	5.1	B1/500		
BM	(30°-60°)	1046.9	11.7	B2/2500		
BH	(60°-80°)	582.1	6.5	B2/1000		G2/1000
BVH	(80°-90°)	35.4	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°	952.4	952.4	952.4	952.4	952.4	952.4	952.4	952.4	952.4	952.4	952.4
2.5°	1000.1	995.9	996.5	998.3	992.3	989.2	982.6	978.4	977.8	977.2	974.8
5°	1058.6	1054.4	1056.2	1051.4	1039.9	1032.1	1018.2	1011.0	1009.7	1008.5	1005.5
7.5°	1119.5	1114.1	1108.1	1102.6	1090.0	1077.3	1059.2	1048.4	1047.1	1045.3	1043.5
10°	1191.9	1184.1	1179.2	1162.4	1140.6	1123.1	1105.1	1093.6	1093.0	1091.2	1087.6
12.5°	1273.3	1264.9	1255.9	1233.5	1199.8	1173.8	1152.7	1146.1	1140.6	1141.2	1137.6
15°	1354.2	1345.1	1333.1	1304.7	1260.1	1221.5	1194.3	1184.7	1185.3	1182.3	1184.1
17.5°	1422.3	1414.5	1397.0	1360.8	1308.9	1255.9	1221.5	1217.2	1218.5	1217.9	1219.7
20°	1467.0	1462.1	1435.6	1392.2	1333.7	1275.2	1240.2	1240.2	1240.8	1243.2	1247.4
22.5°	1494.1	1486.9	1451.9	1391.0	1333.1	1284.2	1257.1	1263.1	1266.7	1268.5	1275.2
25°	1509.2	1500.1	1452.5	1371.7	1312.6	1290.8	1282.4	1297.5	1303.5	1306.5	1317.4
27.5°	1509.2	1498.3	1444.7	1347.5	1289.0	1310.7	1330.6	1356.6	1360.8	1369.9	1382.5
30°	1492.3	1483.9	1432.6	1329.4	1283.0	1348.1	1408.5	1438.0	1448.3	1458.5	1474.8
32.5°	1474.2	1467.0	1426.6	1339.1	1316.8	1426.6	1527.3	1567.7	1573.7	1582.2	1599.1
35°	1473.0	1470.6	1453.1	1400.6	1418.7	1570.1	1706.4	1734.2	1751.1	1755.3	1762.5
37.5°	1485.7	1490.5	1505.6	1500.1	1565.3	1783.6	1941.1	1996.6	2009.8	2002.6	2009.2
40°	1515.2	1527.3	1583.4	1652.8	1789.1	2041.8	2260.8	2324.7	2339.2	2335.0	2333.2
42.5°	1608.7	1625.0	1707.6	1856.0	2021.9	2309.0	2557.5	2626.3	2631.1	2633.5	2617.9
45°	1755.3	1764.3	1874.1	2063.5	2274.0	2596.8	2853.7	2930.3	2927.3	2915.2	2903.8
47.5°	1921.8	1940.5	2072.0	2301.2	2534.6	2862.8	3153.5	3228.3	3234.9	3224.1	3203.0
50°	2073.2	2087.7	2236.0	2508.1	2764.4	3084.1	3406.2	3481.6	3480.4	3486.5	3492.5
52.5°	2192.6	2205.9	2347.0	2646.2	2933.3	3269.9	3596.9	3689.7	3704.2	3713.9	3725.9
55°	2254.1	2268.0	2398.3	2703.5	3035.9	3451.5	3817.0	3950.3	3975.1	3996.8	4016.7
57.5°	2255.3	2273.4	2392.9	2699.3	3089.0	3613.7	4108.4	4347.8	4382.8	4438.3	4506.5
60°	2218.6	2243.9	2351.3	2660.1	3149.9	3819.4	4588.5	5046.9	5115.7	5212.8	5300.3
62.5°	2122.6	2148.0	2243.9	2560.6	3221.1	4083.0	5282.2	5954.1	6100.7	6208.1	6381.2
65°	1971.2	1995.4	2076.2	2395.9	3164.4	4291.1	5799.1	6605.0	6754.6	6889.1	7092.4
67°	1836.1	1838.5	1906.7	2207.1	2943.6	4226.6	5902.9	6691.8	6830.0	6966.3	7202.1
67.5°	1788.5	1801.7	1854.8	2144.4	2859.7	4178.9	5861.8	6644.8	6778.7	6924.1	7164.7
70°	1445.9	1449.5	1500.7	1710.7	2269.2	3464.8	5265.3	6044.6	6136.3	6349.2	6585.7
72.5°	881.9	875.8	892.1	1047.7	1493.5	2399.5	4215.7	4976.4	5101.8	5283.4	5443.2
75°	485.6	514.5	534.4	642.4	839.0	1410.9	2870.6	3600.5	3784.4	3892.4	3924.4
77.5°	296.8	294.4	303.4	414.4	688.2	965.1	1585.8	2112.4	2214.9	2245.7	2126.9
80°	141.1	146.6	144.8	170.7	333.6	814.3	1108.7	1356.6	1408.5	1438.0	1476.6
82.5°	77.2	80.2	91.1	101.9	131.5	350.5	956.7	1251.0	1286.0	1336.7	1393.4
85°	48.3	50.7	70.0	73.6	80.8	108.0	398.7	731.1	760.6	861.4	893.3
87.5°	19.9	21.7	38.0	34.4	41.0	38.0	120.6	185.8	197.2	209.9	232.8
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°	952.4	952.4	952.4	952.4	952.4	952.4	952.4	952.4	952.4	952.4	952.4
2.5°	975.4	974.8	972.3	971.7	973.0	973.0	971.7	969.9	969.3	968.7	967.5
5°	1004.3	1003.1	1001.3	1000.1	999.5	999.5	997.7	995.9	994.1	991.7	991.0
7.5°	1038.7	1038.7	1038.1	1036.3	1034.5	1032.1	1030.3	1028.4	1026.6	1025.4	1023.6
10°	1083.9	1086.4	1082.1	1080.9	1080.3	1076.7	1076.1	1074.3	1073.1	1070.1	1070.1
12.5°	1137.6	1135.2	1134.6	1132.2	1132.2	1130.4	1129.8	1129.2	1128.0	1125.6	1125.0
15°	1182.3	1182.3	1181.7	1180.5	1181.7	1180.5	1178.6	1179.8	1178.0	1178.6	1176.8
17.5°	1218.5	1220.9	1220.3	1220.9	1220.3	1220.3	1221.5	1221.5	1222.7	1220.3	1220.9
20°	1248.6	1252.2	1254.0	1252.8	1254.0	1254.6	1257.7	1258.9	1260.7	1261.9	1261.9
22.5°	1280.0	1284.8	1288.4	1288.4	1290.8	1293.2	1298.7	1299.9	1304.1	1303.5	1306.5
25°	1324.0	1331.9	1334.3	1337.9	1340.9	1345.1	1351.8	1354.8	1356.6	1360.8	1365.6
27.5°	1391.6	1401.2	1403.0	1407.3	1415.1	1417.5	1424.7	1427.8	1434.4	1443.4	1445.3
30°	1483.9	1495.9	1496.5	1501.4	1510.4	1513.4	1519.4	1527.3	1532.7	1541.8	1542.4
32.5°	1609.3	1621.4	1619.6	1628.6	1628.0	1637.1	1635.3	1647.3	1652.2	1657.0	1670.2
35°	1776.4	1775.2	1784.3	1787.3	1785.5	1792.7	1791.5	1796.9	1801.7	1801.7	1816.2
37.5°	2017.1	2015.3	2014.1	2001.4	1998.4	1999.0	1996.6	2001.4	1993.6	1993.6	2009.2
40°	2339.8	2328.9	2320.5	2312.0	2303.6	2292.1	2282.5	2280.1	2266.8	2266.2	2260.2
42.5°	2620.3	2610.0	2604.0	2587.7	2579.3	2577.5	2553.9	2547.3	2543.7	2546.1	2540.1
45°	2914.6	2903.8	2880.9	2873.6	2871.2	2858.5	2854.9	2838.6	2833.8	2842.3	2839.2
47.5°	3218.0	3202.4	3189.7	3181.2	3178.2	3167.4	3151.7	3165.0	3158.3	3153.5	3144.5
50°	3490.7	3473.2	3473.2	3458.1	3460.5	3453.3	3437.0	3440.6	3421.9	3429.2	3424.3
52.5°	3719.3	3720.5	3726.5	3709.6	3712.7	3712.7	3707.2	3689.7	3694.6	3692.2	3703.6
55°	4010.0	4029.9	4019.1	4022.1	4025.7	4042.6	4054.7	4044.4	4027.5	4040.8	4077.6
57.5°	4518.5	4536.6	4547.5	4555.9	4569.8	4577.6	4642.8	4651.8	4632.5	4672.3	4754.4
60°	5402.8	5424.5	5457.1	5499.9	5509.0	5563.9	5597.6	5637.5	5651.9	5686.3	5774.4
62.5°	6466.2	6515.1	6521.1	6575.4	6617.6	6566.4	6579.6	6628.5	6573.0	6649.0	6652.6
65°	7162.3	7233.5	7235.9	7255.8	7271.5	7223.3	7201.5	7179.8	7127.3	7124.3	7176.8
67°	7281.8	7346.9	7374.1	7383.7	7381.3	7356.6	7321.0	7258.2	7207.6	7178.6	7200.3
67.5°	7248.0	7311.9	7349.9	7359.0	7359.6	7335.5	7302.9	7234.7	7187.1	7154.5	7177.4
70°	6693.0	6842.6	6907.8	6874.0	6893.3	6893.3	6892.1	6829.4	6805.8	6774.5	6762.4
72.5°	5565.1	5668.8	5751.5	5707.4	5712.9	5753.9	5744.2	5750.9	5683.3	5676.1	5564.5
75°	3986.5	4019.7	3991.9	4023.3	3854.4	3794.1	3691.6	3542.0	3502.8	3440.6	3254.8
77.5°	2117.8	2080.4	2006.2	2000.2	1930.8	1877.1	1810.8	1767.4	1657.6	1596.7	1457.3
80°	1495.9	1514.0	1542.4	1559.3	1574.9	1587.0	1562.3	1492.9	1401.2	1298.7	1201.6
82.5°	1429.0	1453.7	1470.6	1479.0	1473.0	1453.7	1397.0	1330.6	1208.2	1119.5	1014.6
85°	901.2	921.1	886.7	879.5	894.5	772.7	705.7	651.5	527.8	491.0	433.7
87.5°	241.9	255.2	255.8	247.9	243.1	214.1	189.4	167.7	138.7	130.3	105.6
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):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	952.4	952.4	952.4	952.4	952.4	952.4	952.4	952.4	952.4	952.4	952.4
2.5°	967.5	966.9	966.9	965.1	963.9	963.3	962.7	960.9	959.7	959.7	959.1
5°	990.4	989.2	987.4	986.8	984.4	983.2	980.8	979.6	977.8	976.6	976.0
7.5°	1023.0	1020.0	1016.4	1017.0	1013.4	1011.6	1010.4	1007.9	1006.1	1004.3	1003.7
10°	1066.4	1065.8	1062.2	1063.4	1056.8	1059.8	1053.8	1054.4	1050.8	1047.1	1046.5
12.5°	1121.9	1121.3	1117.7	1113.5	1112.3	1112.9	1109.3	1109.9	1105.7	1104.4	1103.2
15°	1175.0	1173.8	1172.0	1169.0	1167.2	1166.6	1165.4	1164.2	1160.5	1160.5	1156.3
17.5°	1220.9	1221.5	1219.1	1216.6	1215.4	1213.6	1213.0	1213.0	1210.0	1207.0	1207.6
20°	1261.3	1262.5	1262.5	1260.7	1261.3	1260.1	1259.5	1260.7	1257.7	1256.5	1254.6
22.5°	1306.5	1306.5	1307.1	1308.3	1310.1	1310.7	1310.7	1309.5	1307.7	1307.1	1303.5
25°	1369.3	1366.8	1369.9	1371.1	1371.1	1374.1	1372.9	1373.5	1374.1	1372.3	1370.5
27.5°	1448.3	1445.9	1451.9	1456.1	1455.5	1457.3	1460.9	1456.7	1459.1	1460.9	1456.7
30°	1545.4	1551.4	1555.6	1558.7	1557.4	1562.9	1564.7	1564.1	1562.3	1565.3	1565.3
32.5°	1669.0	1666.0	1676.9	1683.5	1684.1	1682.9	1685.9	1689.5	1686.5	1691.4	1688.9
35°	1816.2	1818.0	1820.4	1827.7	1830.7	1825.9	1830.7	1834.9	1833.7	1834.3	1836.7
37.5°	2006.2	2009.2	2006.8	2007.4	2006.2	2029.1	2032.8	2036.4	2032.2	2028.5	2039.4
40°	2269.8	2269.8	2269.2	2277.1	2263.8	2278.3	2274.0	2284.3	2295.2	2289.1	2305.4
42.5°	2529.2	2543.7	2544.9	2533.4	2543.1	2558.8	2558.8	2565.4	2575.0	2565.4	2581.1
45°	2826.6	2844.7	2841.7	2861.0	2846.5	2864.6	2867.6	2859.1	2880.3	2882.7	2876.6
47.5°	3151.1	3154.7	3155.3	3161.9	3165.0	3179.4	3178.8	3194.5	3189.7	3165.6	3174.0
50°	3429.2	3438.2	3443.0	3447.3	3462.3	3472.6	3486.5	3488.9	3485.3	3478.0	3471.4
52.5°	3707.2	3729.0	3742.8	3780.2	3803.7	3822.4	3845.4	3853.8	3849.6	3847.8	3821.2
55°	4079.4	4131.3	4211.5	4263.4	4320.1	4353.3	4379.8	4393.1	4383.4	4388.2	4333.4
57.5°	4780.3	4902.2	4972.1	5060.8	5160.9	5202.6	5214.0	5261.1	5209.2	5157.3	5115.7
60°	5822.0	5934.2	6061.5	6152.6	6186.4	6301.6	6247.3	6186.4	6130.9	6023.5	5902.3
62.5°	6762.4	6907.2	6972.3	7057.4	7034.5	7024.8	6988.6	6891.5	6772.7	6612.8	6451.2
65°	7226.3	7307.7	7348.1	7375.9	7349.9	7283.0	7163.5	7020.0	6849.9	6643.0	6430.7
67°	7245.0	7282.4	7295.6	7269.1	7211.2	7106.8	6956.0	6752.8	6543.5	6306.4	6067.5
67.5°	7214.2	7238.9	7245.6	7204.0	7135.2	7022.4	6861.3	6644.2	6421.6	6175.5	5935.4
70°	6794.4	6776.3	6717.8	6660.5	6445.7	6294.3	6013.9	5782.2	5473.4	5247.2	4990.8
72.5°	5519.8	5437.2	5380.5	5127.2	4867.8	4717.6	4416.0	4139.1	3857.4	3642.1	3484.7
75°	3098.6	3038.3	2880.9	2746.9	2532.8	2336.8	2196.2	2020.1	1851.2	1751.1	1677.5
77.5°	1400.0	1227.5	1108.7	958.5	774.5	622.5	462.0	427.1	364.3	348.6	314.3
80°	1092.4	968.7	813.1	641.2	452.4	304.0	223.2	189.4	177.9	170.7	167.1
82.5°	911.4	751.0	632.1	448.8	287.1	193.0	145.4	131.5	123.1	117.0	111.6
85°	389.7	308.2	253.9	181.6	129.1	101.9	89.3	81.4	73.6	67.0	62.7
87.5°	91.1	70.0	63.9	54.3	51.3	50.7	50.1	47.7	44.6	41.0	36.8
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):

	86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°
0°	952.4	952.4	952.4	952.4	952.4	952.4	952.4	952.4	952.4	952.4	952.4
2.5°	958.5	957.9	956.7	954.9	954.9	952.4	944.6	939.2	933.1	929.5	925.9
5°	974.8	974.2	971.1	969.3	968.1	963.3	950.0	939.8	928.9	921.1	915.0
7.5°	1001.9	1000.1	997.7	996.5	992.9	986.8	967.5	953.0	937.4	924.7	914.4
10°	1045.9	1042.9	1039.3	1035.7	1036.9	1027.2	1004.9	983.8	960.9	941.0	927.1
12.5°	1099.6	1099.6	1097.8	1095.4	1091.2	1080.3	1050.2	1025.4	997.7	973.0	962.7
15°	1156.3	1153.3	1150.3	1146.7	1146.1	1131.6	1104.4	1076.1	1047.1	1026.0	1014.0
17.5°	1202.8	1204.0	1199.8	1198.5	1197.3	1182.9	1153.9	1128.6	1107.5	1085.1	1065.8
20°	1252.2	1249.8	1248.6	1246.8	1246.2	1234.1	1211.2	1195.5	1176.8	1143.1	1092.4
22.5°	1305.3	1302.3	1303.5	1299.9	1299.3	1290.8	1273.9	1269.1	1241.4	1170.2	1082.1
25°	1374.1	1368.6	1370.5	1370.5	1371.1	1363.2	1361.4	1353.0	1283.0	1163.6	1041.1
27.5°	1456.1	1458.5	1458.5	1457.9	1453.7	1456.1	1464.6	1435.6	1297.5	1128.6	979.6
30°	1562.9	1564.1	1565.3	1569.5	1560.5	1576.1	1586.4	1494.1	1286.6	1080.3	902.4
32.5°	1692.6	1687.7	1690.2	1692.6	1695.6	1711.9	1705.8	1523.7	1254.6	1014.6	806.5
35°	1835.5	1844.6	1847.0	1852.4	1858.4	1883.2	1813.8	1529.7	1205.8	926.5	684.0
37.5°	2048.4	2062.9	2062.9	2082.2	2070.8	2100.9	1910.3	1515.2	1131.6	804.1	545.9
40°	2316.9	2323.5	2330.1	2332.6	2326.5	2322.9	1973.7	1479.6	1027.2	650.2	399.3
42.5°	2590.7	2588.3	2588.9	2593.1	2576.8	2508.7	2012.9	1417.5	897.6	485.6	286.5
45°	2885.7	2875.4	2872.4	2864.0	2849.5	2705.9	2035.2	1330.0	726.8	341.4	225.0
47.5°	3172.8	3160.1	3140.8	3117.3	3089.6	2864.6	2032.8	1216.6	557.4	244.3	198.5
50°	3467.2	3444.8	3403.2	3380.3	3333.3	3022.0	2018.9	1090.6	401.1	202.1	185.8
52.5°	3803.7	3763.9	3725.3	3679.5	3601.7	3215.6	1997.8	948.8	292.5	185.2	177.3
55°	4305.6	4240.5	4177.1	4081.8	4006.4	3475.0	1962.2	796.2	231.0	178.5	172.5
57.5°	4997.5	4886.5	4806.3	4677.8	4557.1	3833.9	1924.2	657.5	206.3	176.7	170.1
60°	5776.2	5609.1	5459.5	5301.5	5164.0	4282.1	1904.3	548.9	200.9	178.5	170.7
62.5°	6264.8	6067.5	5880.5	5687.5	5489.7	4496.2	1818.0	474.1	203.3	186.4	175.5
65°	6203.3	5985.5	5782.2	5547.0	5360.6	4294.1	1598.5	401.1	207.5	200.3	188.8
67°	5788.3	5577.1	5345.5	5115.1	4934.1	3909.9	1349.3	337.8	212.3	215.9	203.3
67.5°	5677.3	5439.6	5206.2	4994.5	4798.4	3791.1	1284.2	322.1	213.5	220.2	208.1
70°	4734.5	4546.3	4273.0	4116.2	3974.5	3073.3	957.9	250.3	217.2	238.9	231.0
72.5°	3312.7	3130.6	2987.6	2902.0	2819.3	2233.0	673.8	199.7	211.7	249.1	241.3
75°	1673.3	1631.6	1581.6	1553.8	1555.0	1298.1	406.0	170.1	199.1	238.9	219.0
77.5°	330.6	322.1	325.7	356.5	351.1	399.9	201.5	144.2	169.5	184.0	157.4
80°	159.8	154.4	149.6	148.4	145.4	139.3	126.7	120.0	137.5	121.2	104.4
82.5°	103.7	97.7	95.3	90.5	91.1	98.9	110.4	115.2	111.6	83.8	70.6
85°	58.5	57.9	56.7	57.9	60.3	79.0	118.2	108.0	89.9	59.1	53.1
87.5°	35.0	33.2	33.8	34.4	35.6	58.5	93.5	77.8	57.3	30.8	31.4
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°	952.4	952.4	952.4	952.4
2.5°	925.3	922.9	922.9	922.3
5°	910.2	906.6	906.0	906.0
7.5°	907.8	903.0	902.4	900.6
10°	918.7	916.9	917.5	915.6
12.5°	953.0	955.5	957.9	957.9
15°	1005.5	1003.7	1006.7	1003.7
17.5°	1044.1	1028.4	1024.8	1023.0
20°	1045.3	1012.8	1001.9	1000.1
22.5°	1007.9	959.7	941.6	938.6
25°	944.6	883.7	860.8	858.3
27.5°	865.0	796.8	763.0	761.8
30°	769.1	688.2	645.4	638.8
32.5°	652.1	556.1	510.9	496.4
35°	516.9	418.6	376.4	375.2
37.5°	386.0	309.4	282.3	281.1
40°	282.9	243.1	232.8	231.0
42.5°	231.0	214.7	210.5	208.7
45°	206.9	200.3	197.8	196.0
47.5°	192.4	188.2	186.4	186.4
50°	181.0	179.8	178.5	178.5
52.5°	173.1	172.5	171.3	170.7
55°	166.5	164.1	164.7	164.1
57.5°	162.3	158.6	158.6	158.6
60°	159.8	153.2	153.2	153.8
62.5°	160.4	150.2	149.6	149.6
65°	165.3	148.4	144.8	145.4
67°	171.3	146.6	139.3	138.7
67.5°	173.1	145.4	137.5	136.9
70°	180.4	141.8	128.5	127.3
72.5°	181.6	136.3	119.4	118.2
75°	168.9	129.1	112.2	109.2
77.5°	131.5	111.0	101.3	101.3
80°	92.3	85.1	72.4	71.8
82.5°	67.6	63.9	53.1	51.9
85°	49.5	46.4	39.2	39.2
87.5°	30.8	29.6	25.3	24.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)