

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: P145146

Luminaire Tested: **LDRL-SL3-F03-E-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145146
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-F03-E-7050
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7544.1 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

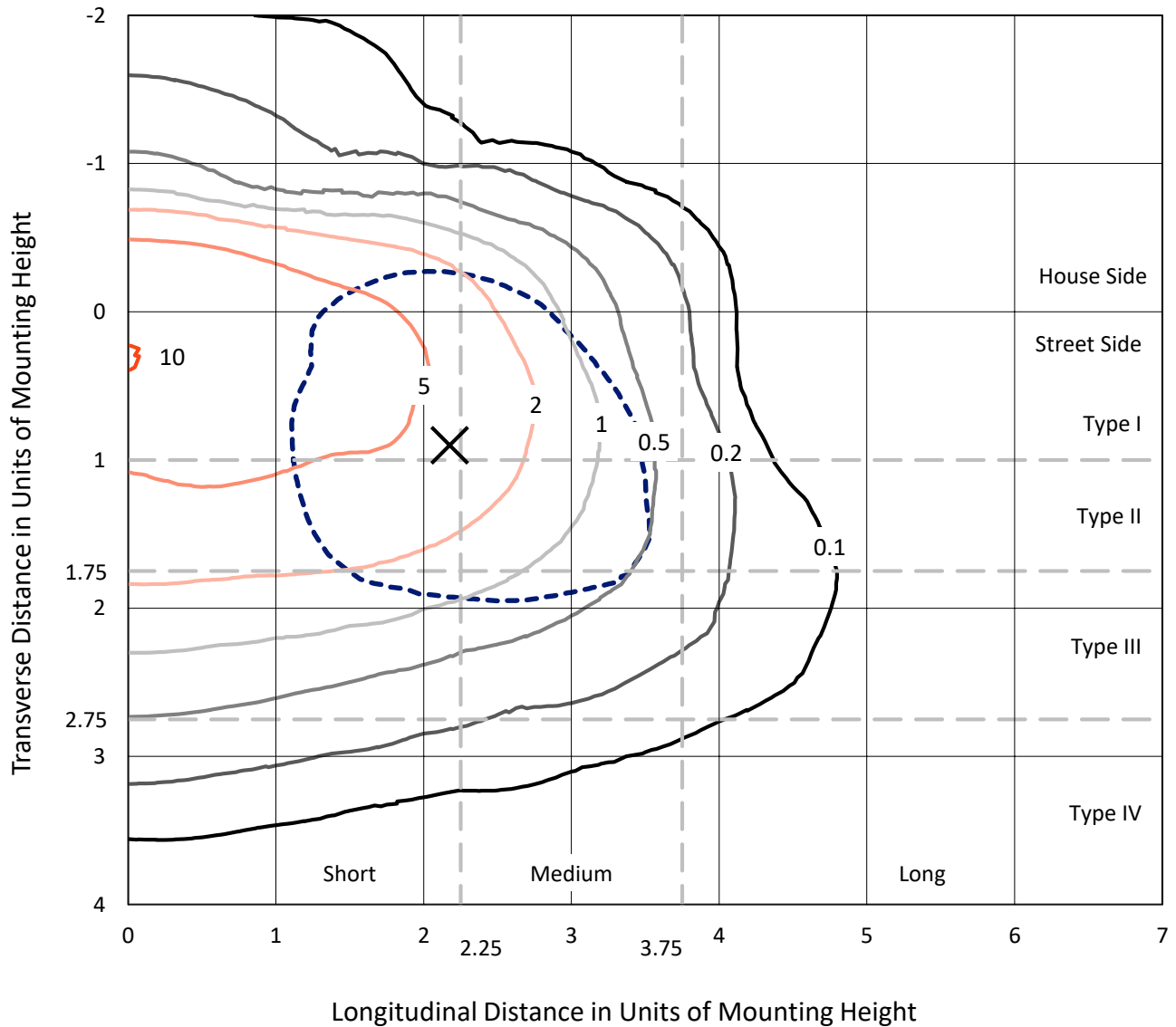
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

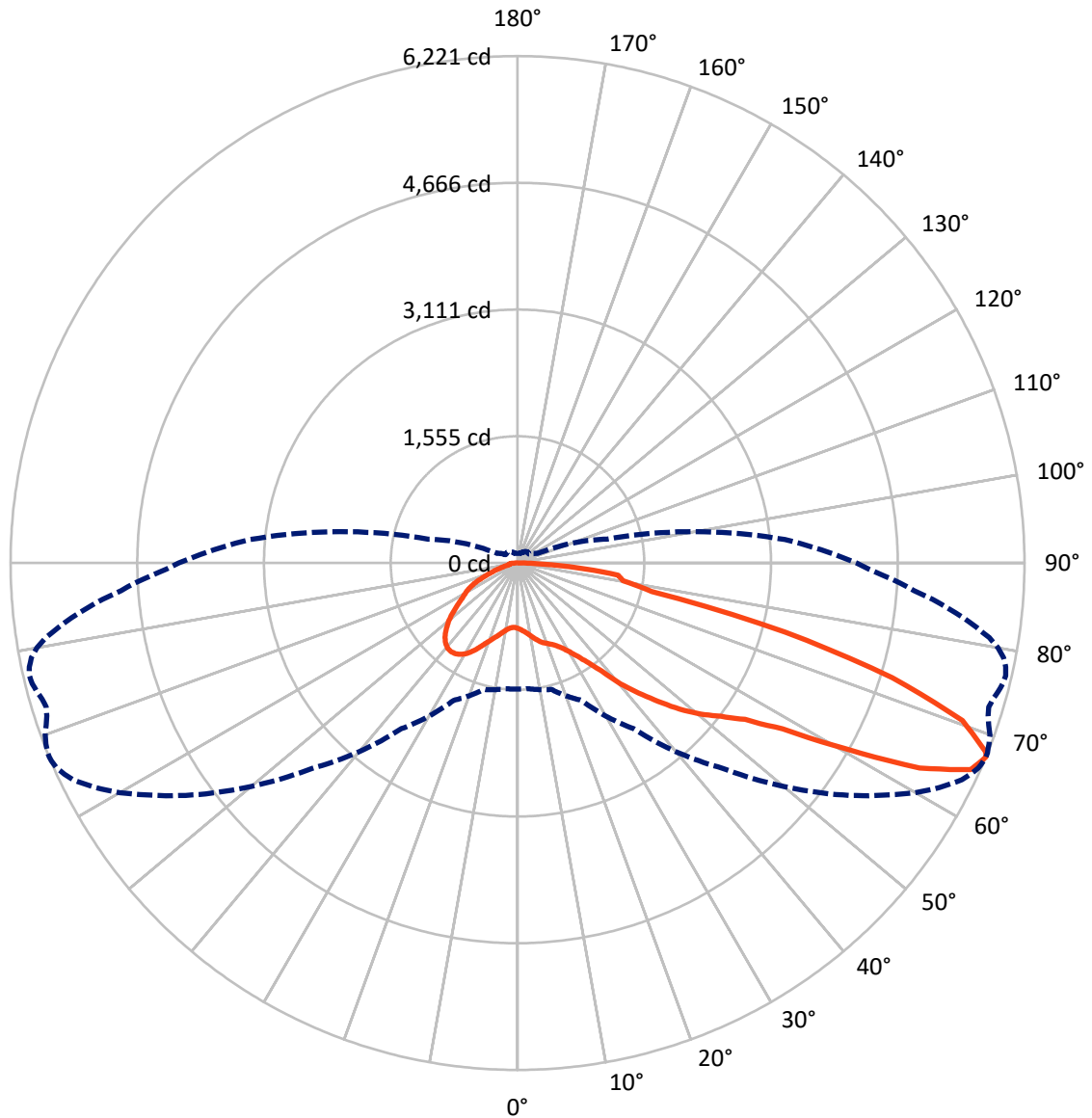
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 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	1786.4	0.0	1786.4
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	5757.7	0.0	5757.7
	% Fixture	76.3	0.0	76.3
Total	Lumens	7544.1	0.0	7544.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	1.1
10°-20°	274.3	3.6
20°-30°	488.3	6.5
30°-40°	711.3	9.4
40°-50°	1095.9	14.5
50°-60°	1604.9	21.3
60°-70°	2131.2	28.3
70°-80°	1004.6	13.3
80°-90°	153.6	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°	7544.1	100.0
0°-180°	7544.1	100.0



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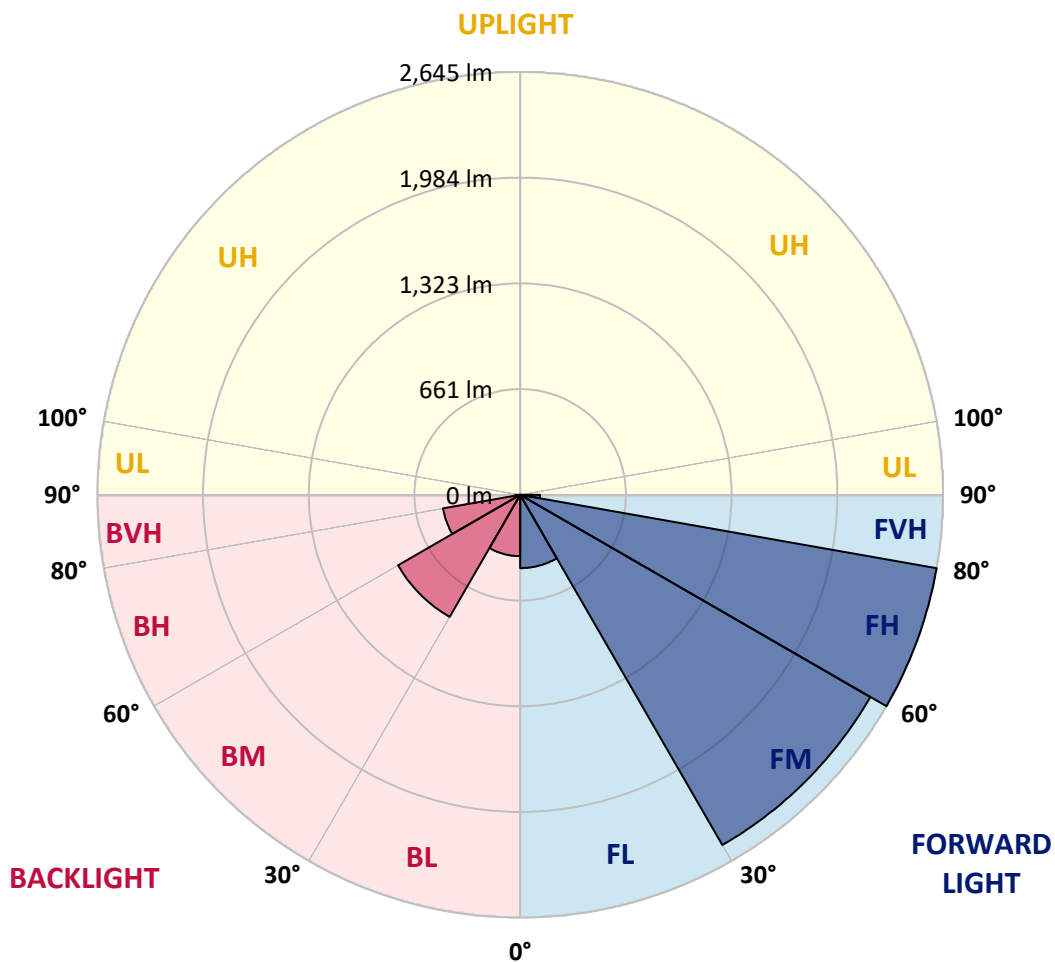
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	458.6	6.1			
FM	(30°-60°)	2529.9	33.5			
FH	(60°-80°)	2645.4	35.1			G2/5000
FVH	(80°-90°)	123.8	1.6			G2/225
BL	(0°-30°)	384.0	5.1	B1/500		
BM	(30°-60°)	882.1	11.7	B1/1000		
BH	(60°-80°)	490.4	6.5	B1/500		G1/500
BVH	(80°-90°)	29.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	802.5	802.5	802.5	802.5	802.5	802.5	802.5	802.5	802.5	802.5	802.5
2.5°	842.7	839.1	839.6	841.1	836.1	833.5	827.9	824.4	823.9	823.4	821.3
5°	892.0	888.4	889.9	885.9	876.2	869.6	857.9	851.8	850.8	849.8	847.2
7.5°	943.3	938.7	933.6	929.1	918.4	907.7	892.5	883.3	882.3	880.8	879.3
10°	1004.3	997.7	993.6	979.4	961.1	946.4	931.1	921.4	920.9	919.4	916.4
12.5°	1072.9	1065.8	1058.2	1039.4	1010.9	989.0	971.3	965.7	961.1	961.6	958.6
15°	1141.0	1133.4	1123.2	1099.3	1061.7	1029.2	1006.3	998.2	998.7	996.2	997.7
17.5°	1198.4	1191.8	1177.1	1146.6	1102.9	1058.2	1029.2	1025.6	1026.7	1026.1	1027.7
20°	1236.1	1232.0	1209.6	1173.0	1123.7	1074.4	1045.0	1045.0	1045.5	1047.5	1051.1
22.5°	1258.9	1252.8	1223.3	1172.0	1123.2	1082.1	1059.2	1064.3	1067.3	1068.8	1074.4
25°	1271.6	1264.0	1223.9	1155.7	1105.9	1087.6	1080.5	1093.2	1098.3	1100.9	1110.0
27.5°	1271.6	1262.5	1217.2	1135.4	1086.1	1104.4	1121.2	1143.0	1146.6	1154.2	1164.9
30°	1257.4	1250.3	1207.1	1120.2	1081.0	1135.9	1186.8	1211.7	1220.3	1228.9	1242.7
32.5°	1242.2	1236.1	1202.0	1128.3	1109.5	1202.0	1286.9	1320.9	1326.0	1333.1	1347.4
35°	1241.1	1239.1	1224.4	1180.1	1195.4	1323.0	1437.8	1461.2	1475.4	1479.0	1485.1
37.5°	1251.8	1255.9	1268.6	1264.0	1318.9	1502.9	1635.5	1682.3	1693.5	1687.4	1693.0
40°	1276.7	1286.9	1334.1	1392.6	1507.5	1720.4	1904.9	1958.8	1971.0	1967.4	1965.9
42.5°	1355.5	1369.2	1438.8	1563.9	1703.6	1945.6	2155.0	2212.9	2217.0	2219.0	2205.8
45°	1479.0	1486.6	1579.1	1738.7	1916.1	2188.0	2404.5	2469.1	2466.5	2456.3	2446.7
47.5°	1619.3	1635.0	1745.8	1939.0	2135.6	2412.1	2657.1	2720.1	2725.7	2716.6	2698.8
50°	1746.8	1759.0	1884.1	2113.3	2329.3	2598.7	2870.1	2933.6	2932.6	2937.7	2942.7
52.5°	1847.5	1858.7	1977.6	2229.7	2471.6	2755.2	3030.7	3108.9	3121.1	3129.3	3139.4
55°	1899.3	1911.0	2020.8	2278.0	2558.0	2908.2	3216.2	3328.5	3349.3	3367.6	3384.4
57.5°	1900.3	1915.6	2016.2	2274.4	2602.7	3044.9	3461.7	3663.4	3692.9	3739.7	3797.1
60°	1869.3	1890.7	1981.1	2241.4	2654.1	3218.2	3866.2	4252.5	4310.4	4392.3	4466.0
62.5°	1788.5	1809.9	1890.7	2157.5	2714.0	3440.3	4450.7	5016.9	5140.4	5230.9	5376.7
65°	1660.9	1681.3	1749.4	2018.8	2666.3	3615.7	4886.3	5565.3	5691.3	5804.7	5975.9
67°	1547.1	1549.1	1606.6	1859.7	2480.2	3561.3	4973.7	5638.5	5754.9	5869.7	6068.4
67.5°	1506.9	1518.1	1562.9	1806.8	2409.6	3521.1	4939.1	5598.8	5711.7	5834.1	6036.9
70°	1218.3	1221.3	1264.5	1441.4	1912.0	2919.4	4436.5	5093.1	5170.4	5349.8	5549.0
72.5°	743.1	738.0	751.7	882.8	1258.4	2021.8	3552.1	4193.0	4298.7	4451.7	4586.4
75°	409.1	433.5	450.3	541.3	707.0	1188.8	2418.7	3033.7	3188.7	3279.7	3306.6
77.5°	250.1	248.0	255.6	349.2	579.9	813.2	1336.2	1779.9	1866.3	1892.2	1792.1
80°	118.9	123.5	122.0	143.8	281.1	686.1	934.2	1143.0	1186.8	1211.7	1244.2
82.5°	65.1	67.6	76.7	85.9	110.8	295.3	806.1	1054.1	1083.6	1126.3	1174.0
85°	40.7	42.7	59.0	62.0	68.1	91.0	336.0	616.0	640.9	725.8	752.7
87.5°	16.8	18.3	32.0	29.0	34.6	32.0	101.6	156.5	166.2	176.9	196.2
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):

	65°	66°	67°	67.5°	68°	69°	70°	71°	72°	73°	74°
0°	802.5	802.5	802.5	802.5	802.5	802.5	802.5	802.5	802.5	802.5	802.5
2.5°	821.8	821.3	819.3	818.8	819.8	819.8	818.8	817.3	816.8	816.2	815.2
5°	846.2	845.2	843.7	842.7	842.2	842.2	840.6	839.1	837.6	835.6	835.0
7.5°	875.2	875.2	874.7	873.2	871.6	869.6	868.1	866.6	865.0	864.0	862.5
10°	913.3	915.3	911.8	910.8	910.3	907.2	906.7	905.2	904.2	901.6	901.6
12.5°	958.6	956.5	956.0	954.0	954.0	952.5	951.9	951.4	950.4	948.4	947.9
15°	996.2	996.2	995.7	994.6	995.7	994.6	993.1	994.1	992.6	993.1	991.6
17.5°	1026.7	1028.7	1028.2	1028.7	1028.2	1028.2	1029.2	1029.2	1030.2	1028.2	1028.7
20°	1052.1	1055.1	1056.6	1055.6	1056.6	1057.2	1059.7	1060.7	1062.2	1063.2	1063.2
22.5°	1078.5	1082.6	1085.6	1085.6	1087.6	1089.7	1094.3	1095.3	1098.8	1098.3	1100.9
25°	1115.6	1122.2	1124.2	1127.3	1129.8	1133.4	1139.0	1141.5	1143.0	1146.6	1150.7
27.5°	1172.5	1180.7	1182.2	1185.7	1192.3	1194.4	1200.5	1203.0	1208.6	1216.2	1217.8
30°	1250.3	1260.4	1261.0	1265.0	1272.6	1275.2	1280.3	1286.9	1291.5	1299.1	1299.6
32.5°	1356.0	1366.2	1364.6	1372.3	1371.8	1379.4	1377.9	1388.0	1392.1	1396.2	1407.3
35°	1496.8	1495.8	1503.4	1505.9	1504.4	1510.5	1509.5	1514.1	1518.1	1518.1	1530.3
37.5°	1699.6	1698.0	1697.0	1686.4	1683.8	1684.3	1682.3	1686.4	1679.8	1679.8	1693.0
40°	1971.5	1962.3	1955.2	1948.1	1941.0	1931.3	1923.2	1921.2	1910.0	1909.5	1904.4
42.5°	2207.8	2199.2	2194.1	2180.4	2173.3	2171.7	2151.9	2146.3	2143.3	2145.3	2140.2
45°	2455.8	2446.7	2427.4	2421.3	2419.2	2408.6	2405.5	2391.8	2387.7	2394.9	2392.3
47.5°	2711.5	2698.3	2687.6	2680.5	2677.9	2668.8	2655.6	2666.8	2661.2	2657.1	2649.5
50°	2941.2	2926.5	2926.5	2913.8	2915.8	2909.7	2896.0	2899.0	2883.3	2889.4	2885.3
52.5°	3133.8	3134.9	3139.9	3125.7	3128.3	3128.3	3123.7	3108.9	3113.0	3111.0	3120.6
55°	3378.8	3395.6	3386.4	3389.0	3392.0	3406.3	3416.4	3407.8	3393.6	3404.7	3435.7
57.5°	3807.3	3822.5	3831.7	3838.8	3850.5	3857.1	3912.0	3919.6	3903.3	3936.9	4006.0
60°	4552.4	4570.7	4598.1	4634.2	4641.8	4688.1	4716.5	4750.1	4762.3	4791.2	4865.4
62.5°	5448.4	5489.6	5494.6	5540.4	5576.0	5532.8	5543.9	5585.1	5538.3	5602.4	5605.4
65°	6034.9	6094.9	6096.9	6113.7	6126.9	6086.2	6067.9	6049.6	6005.4	6002.9	6047.1
67°	6135.5	6190.4	6213.3	6221.4	6219.4	6198.6	6168.6	6115.7	6073.0	6048.6	6066.9
67.5°	6107.1	6161.0	6193.0	6200.6	6201.1	6180.8	6153.3	6095.9	6055.7	6028.3	6047.6
70°	5639.5	5765.5	5820.4	5792.0	5808.2	5808.2	5807.2	5754.4	5734.5	5708.1	5697.9
72.5°	4689.1	4776.5	4846.1	4809.0	4813.6	4848.2	4840.0	4845.6	4788.7	4782.6	4688.6
75°	3359.0	3386.9	3363.6	3390.0	3247.7	3196.9	3110.5	2984.4	2951.4	2899.0	2742.5
77.5°	1784.4	1752.9	1690.4	1685.3	1626.9	1581.7	1525.8	1489.2	1396.7	1345.3	1227.9
80°	1260.4	1275.7	1299.6	1313.8	1327.0	1337.2	1316.4	1257.9	1180.7	1094.3	1012.4
82.5°	1204.0	1224.9	1239.1	1246.2	1241.1	1224.9	1177.1	1121.2	1018.0	943.3	854.9
85°	759.3	776.1	747.1	741.0	753.7	651.1	594.6	548.9	444.7	413.7	365.4
87.5°	203.8	215.0	215.5	208.9	204.8	180.4	159.6	141.3	116.9	109.8	88.9
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°	802.5	802.5	802.5	802.5	802.5	802.5	802.5	802.5	802.5	802.5	802.5
2.5°	815.2	814.7	814.7	813.2	812.2	811.7	811.2	809.6	808.6	808.6	808.1
5°	834.5	833.5	832.0	831.5	829.5	828.4	826.4	825.4	823.9	822.8	822.3
7.5°	862.0	859.4	856.4	856.9	853.9	852.3	851.3	849.3	847.8	846.2	845.7
10°	898.6	898.1	895.0	896.0	890.4	893.0	887.9	888.4	885.4	882.3	881.8
12.5°	945.3	944.8	941.8	938.2	937.2	937.7	934.7	935.2	931.6	930.6	929.6
15°	990.1	989.0	987.5	985.0	983.5	982.9	981.9	980.9	977.9	977.9	974.3
17.5°	1028.7	1029.2	1027.2	1025.1	1024.1	1022.6	1022.1	1022.1	1019.5	1017.0	1017.5
20°	1062.7	1063.8	1063.8	1062.2	1062.7	1061.7	1061.2	1062.2	1059.7	1058.7	1057.2
22.5°	1100.9	1100.9	1101.4	1102.4	1103.9	1104.4	1104.4	1103.4	1101.9	1101.4	1098.3
25°	1153.7	1151.7	1154.2	1155.2	1155.2	1157.8	1156.8	1157.3	1157.8	1156.3	1154.7
27.5°	1220.3	1218.3	1223.3	1226.9	1226.4	1227.9	1231.0	1227.4	1229.4	1231.0	1227.4
30°	1302.1	1307.2	1310.8	1313.3	1312.3	1316.9	1318.4	1317.9	1316.4	1318.9	1318.9
32.5°	1406.3	1403.8	1412.9	1418.5	1419.0	1418.0	1420.5	1423.6	1421.1	1425.1	1423.1
35°	1530.3	1531.9	1533.9	1540.0	1542.5	1538.5	1542.5	1546.1	1545.1	1545.6	1547.6
37.5°	1690.4	1693.0	1690.9	1691.4	1690.4	1709.7	1712.8	1715.8	1712.3	1709.2	1718.4
40°	1912.5	1912.5	1912.0	1918.6	1907.4	1919.6	1916.1	1924.7	1933.9	1928.8	1942.5
42.5°	2131.1	2143.3	2144.3	2134.6	2142.8	2156.0	2156.0	2161.6	2169.7	2161.6	2174.8
45°	2381.6	2396.9	2394.3	2410.6	2398.4	2413.7	2416.2	2409.1	2426.9	2428.9	2423.8
47.5°	2655.1	2658.1	2658.6	2664.2	2666.8	2679.0	2678.5	2691.7	2687.6	2667.3	2674.4
50°	2889.4	2897.0	2901.1	2904.6	2917.3	2926.0	2937.7	2939.7	2936.6	2930.5	2925.0
52.5°	3123.7	3142.0	3153.7	3185.2	3205.0	3220.8	3240.1	3247.2	3243.6	3242.1	3219.7
55°	3437.3	3481.0	3548.6	3592.3	3640.1	3668.0	3690.4	3701.6	3693.4	3697.5	3651.2
57.5°	4027.8	4130.5	4189.5	4264.2	4348.5	4383.6	4393.3	4432.9	4389.2	4345.5	4310.4
60°	4905.6	5000.1	5107.4	5184.1	5212.6	5309.6	5263.9	5212.6	5165.8	5075.3	4973.2
62.5°	5697.9	5819.9	5874.8	5946.5	5927.2	5919.0	5888.5	5806.7	5706.6	5571.9	5435.7
65°	6088.8	6157.4	6191.4	6214.8	6193.0	6136.6	6035.9	5915.0	5771.6	5597.3	5418.4
67°	6104.5	6136.0	6147.2	6124.9	6076.1	5988.1	5861.1	5689.8	5513.4	5313.7	5112.4
67.5°	6078.6	6099.5	6105.0	6070.0	6012.0	5917.0	5781.3	5598.3	5410.8	5203.4	5001.1
70°	5724.9	5709.6	5660.3	5612.0	5431.1	5303.5	5067.2	4872.0	4611.8	4421.2	4205.2
72.5°	4651.0	4581.3	4533.5	4320.1	4101.5	3975.0	3720.9	3487.6	3250.2	3068.8	2936.1
75°	2610.9	2560.0	2427.4	2314.5	2134.1	1968.9	1850.5	1702.1	1559.8	1475.4	1413.4
77.5°	1179.6	1034.3	934.2	807.6	652.6	524.5	389.3	359.8	307.0	293.8	264.8
80°	920.4	816.2	685.1	540.3	381.2	256.2	188.1	159.6	149.9	143.8	140.8
82.5°	768.0	632.8	532.6	378.1	241.9	162.6	122.5	110.8	103.7	98.6	94.0
85°	328.3	259.7	214.0	153.0	108.8	85.9	75.2	68.6	62.0	56.4	52.9
87.5°	76.7	59.0	53.9	45.7	43.2	42.7	42.2	40.2	37.6	34.6	31.0
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°	802.5	802.5	802.5	802.5	802.5	802.5	802.5	802.5	802.5	802.5	802.5
2.5°	807.6	807.1	806.1	804.6	804.6	802.5	795.9	791.3	786.3	783.2	780.2
5°	821.3	820.8	818.3	816.8	815.7	811.7	800.5	791.8	782.7	776.1	771.0
7.5°	844.2	842.7	840.6	839.6	836.6	831.5	815.2	803.0	789.8	779.1	770.5
10°	881.3	878.8	875.7	872.7	873.7	865.5	846.7	828.9	809.6	792.9	781.2
12.5°	926.5	926.5	925.0	923.0	919.4	910.3	884.9	864.0	840.6	819.8	811.2
15°	974.3	971.8	969.2	966.2	965.7	953.5	930.6	906.7	882.3	864.5	854.4
17.5°	1013.4	1014.5	1010.9	1009.9	1008.9	996.7	972.3	950.9	933.1	914.3	898.1
20°	1055.1	1053.1	1052.1	1050.5	1050.0	1039.9	1020.6	1007.3	991.6	963.1	920.4
22.5°	1099.8	1097.3	1098.3	1095.3	1094.8	1087.6	1073.4	1069.3	1046.0	986.0	911.8
25°	1157.8	1153.2	1154.7	1154.7	1155.2	1148.6	1147.1	1140.0	1081.0	980.4	877.2
27.5°	1226.9	1228.9	1228.9	1228.4	1224.9	1226.9	1234.0	1209.6	1093.2	950.9	825.4
30°	1316.9	1317.9	1318.9	1322.5	1314.8	1328.0	1336.7	1258.9	1084.1	910.3	760.3
32.5°	1426.1	1422.1	1424.1	1426.1	1428.7	1442.4	1437.3	1283.8	1057.2	854.9	679.5
35°	1546.6	1554.2	1556.2	1560.8	1565.9	1586.7	1528.3	1288.9	1016.0	780.7	576.4
37.5°	1726.0	1738.2	1738.2	1754.5	1744.8	1770.2	1609.6	1276.7	953.5	677.5	460.0
40°	1952.2	1957.8	1963.4	1965.4	1960.3	1957.3	1663.0	1246.7	865.5	547.9	336.5
42.5°	2182.9	2180.9	2181.4	2184.9	2171.2	2113.8	1696.0	1194.4	756.3	409.1	241.4
45°	2431.4	2422.8	2420.3	2413.1	2401.0	2280.0	1714.8	1120.7	612.4	287.7	189.6
47.5°	2673.4	2662.7	2646.4	2626.6	2603.2	2413.7	1712.8	1025.1	469.6	205.8	167.2
50°	2921.4	2902.6	2867.5	2848.2	2808.6	2546.3	1701.1	918.9	338.0	170.3	156.5
52.5°	3205.0	3171.5	3138.9	3100.3	3034.7	2709.5	1683.3	799.5	246.5	156.0	149.4
55°	3627.9	3573.0	3519.6	3439.3	3375.8	2928.0	1653.3	670.9	194.7	150.4	145.4
57.5°	4210.8	4117.3	4049.7	3941.4	3839.8	3230.4	1621.3	554.0	173.8	148.9	143.3
60°	4867.0	4726.2	4600.1	4467.0	4351.1	3608.0	1604.5	462.5	169.2	150.4	143.8
62.5°	5278.6	5112.4	4954.9	4792.2	4625.5	3788.5	1531.9	399.5	171.3	157.0	147.9
65°	5226.8	5043.3	4872.0	4673.8	4516.8	3618.2	1346.9	338.0	174.8	168.7	159.1
67°	4877.1	4699.2	4504.1	4309.9	4157.4	3294.4	1136.9	284.6	178.9	182.0	171.3
67.5°	4783.6	4583.4	4386.7	4208.3	4043.1	3194.3	1082.1	271.4	179.9	185.5	175.3
70°	3989.2	3830.6	3600.4	3468.3	3348.8	2589.5	807.1	210.9	183.0	201.3	194.7
72.5°	2791.3	2637.8	2517.3	2445.2	2375.5	1881.5	567.7	168.2	178.4	209.9	203.3
75°	1409.9	1374.8	1332.6	1309.2	1310.3	1093.7	342.0	143.3	167.7	201.3	184.5
77.5°	278.5	271.4	274.5	300.4	295.8	337.0	169.8	121.5	142.8	155.0	132.7
80°	134.7	130.1	126.0	125.0	122.5	117.4	106.7	101.1	115.9	102.2	87.9
82.5°	87.4	82.3	80.3	76.2	76.7	83.4	93.0	97.1	94.0	70.6	59.5
85°	49.3	48.8	47.8	48.8	50.8	66.6	99.6	91.0	75.7	49.8	44.7
87.5°	29.5	28.0	28.5	29.0	30.0	49.3	78.8	65.6	48.3	25.9	26.4
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°	802.5	802.5	802.5	802.5
2.5°	779.6	777.6	777.6	777.1
5°	766.9	763.9	763.4	763.4
7.5°	764.9	760.8	760.3	758.8
10°	774.1	772.5	773.0	771.5
12.5°	803.0	805.1	807.1	807.1
15°	847.2	845.7	848.3	845.7
17.5°	879.8	866.6	863.5	862.0
20°	880.8	853.3	844.2	842.7
22.5°	849.3	808.6	793.4	790.8
25°	795.9	744.6	725.3	723.2
27.5°	728.8	671.4	642.9	641.9
30°	648.0	579.9	543.8	538.2
32.5°	549.4	468.6	430.5	418.3
35°	435.6	352.7	317.1	316.1
37.5°	325.3	260.7	237.9	236.8
40°	238.4	204.8	196.2	194.7
42.5°	194.7	180.9	177.4	175.9
45°	174.3	168.7	166.7	165.2
47.5°	162.1	158.6	157.0	157.0
50°	152.5	151.5	150.4	150.4
52.5°	145.9	145.4	144.3	143.8
55°	140.3	138.2	138.8	138.2
57.5°	136.7	133.7	133.7	133.7
60°	134.7	129.1	129.1	129.6
62.5°	135.2	126.6	126.0	126.0
65°	139.3	125.0	122.0	122.5
67°	144.3	123.5	117.4	116.9
67.5°	145.9	122.5	115.9	115.4
70°	152.0	119.4	108.3	107.2
72.5°	153.0	114.9	100.6	99.6
75°	142.3	108.8	94.5	92.0
77.5°	110.8	93.5	85.4	85.4
80°	77.8	71.7	61.0	60.5
82.5°	56.9	53.9	44.7	43.7
85°	41.7	39.1	33.0	33.0
87.5°	25.9	24.9	21.3	20.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)