

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: P146414

Luminaire Tested: **LDRC-T2-F04-E-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P146414
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33694)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LDRC-T2-F04-E-7030
Description: RC LED ROADWAY SMALL CUTOFF COBRAHEAD LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (28) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9043.6 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

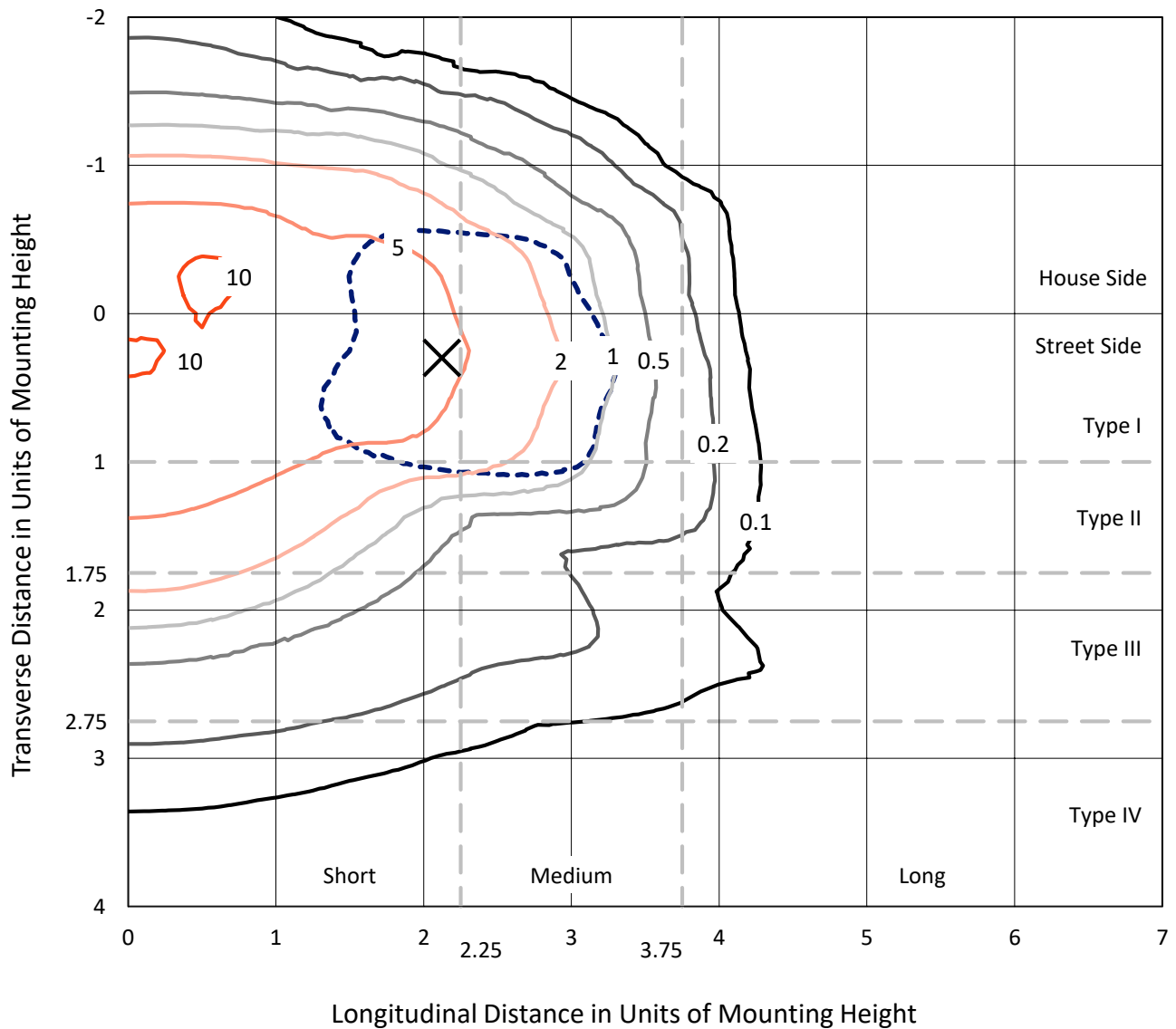
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P146414
 CATALOG NUMBER: LDRC-T2-F04-E-7030

Iso-Footcandle Lines of Horizontal Illumination

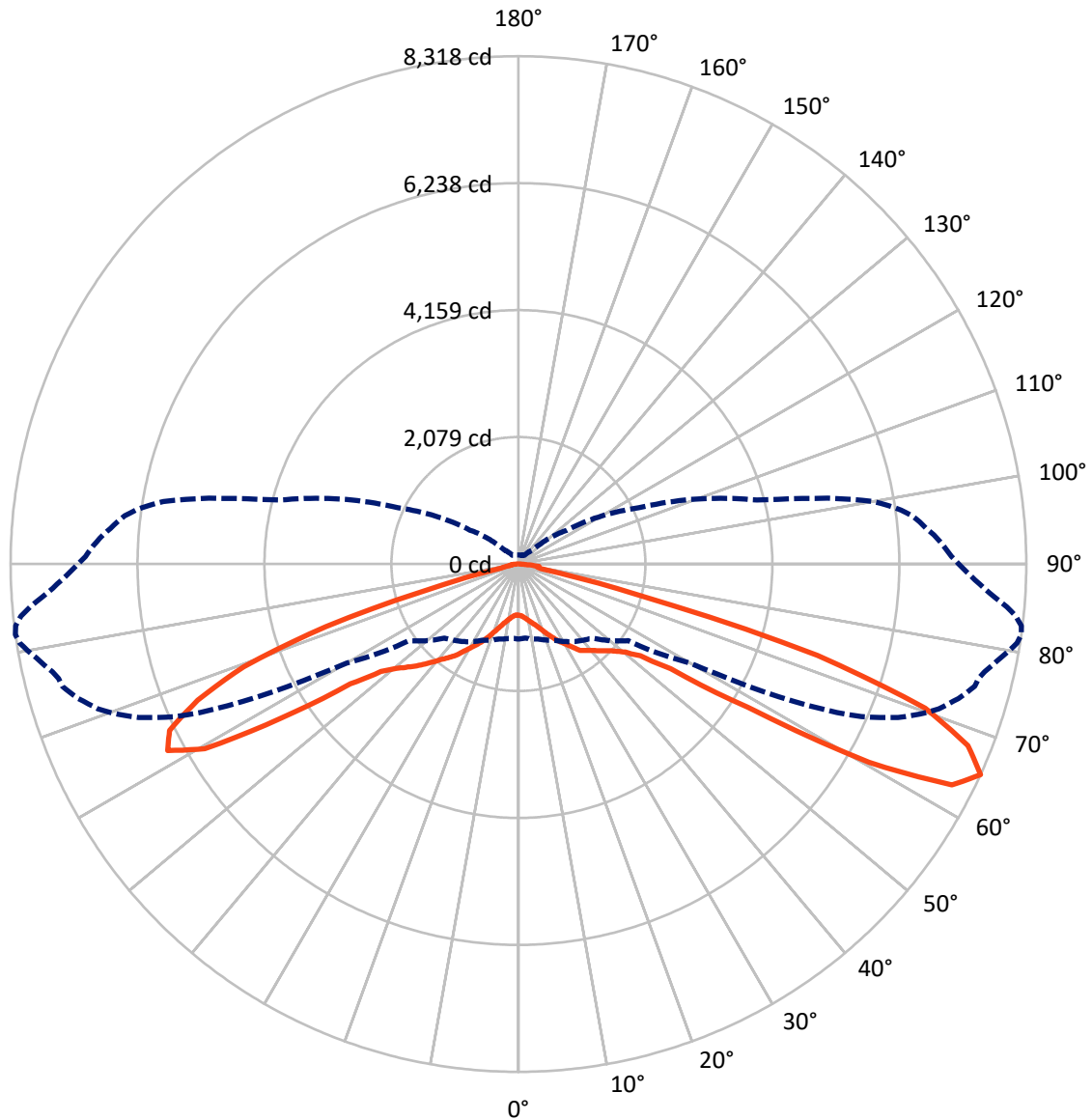
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P146414
CATALOG NUMBER: LDRC-T2-F04-E-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3329.0	0.0	3329.0
	% Fixture	36.8	0.0	36.8
Street Side	Lumens	5714.6	0.0	5714.6
	% Fixture	63.2	0.0	63.2
Total	Lumens	9043.6	0.0	9043.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	0.9
10°-20°	299.5	3.3
20°-30°	594.0	6.6
30°-40°	1013.6	11.2
40°-50°	1519.9	16.8
50°-60°	2115.6	23.4
60°-70°	2430.5	26.9
70°-80°	838.7	9.3
80°-90°	146.7	1.6
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°	9043.6	100.0
0°-180°	9043.6	100.0



REPORT NUMBER: P146414

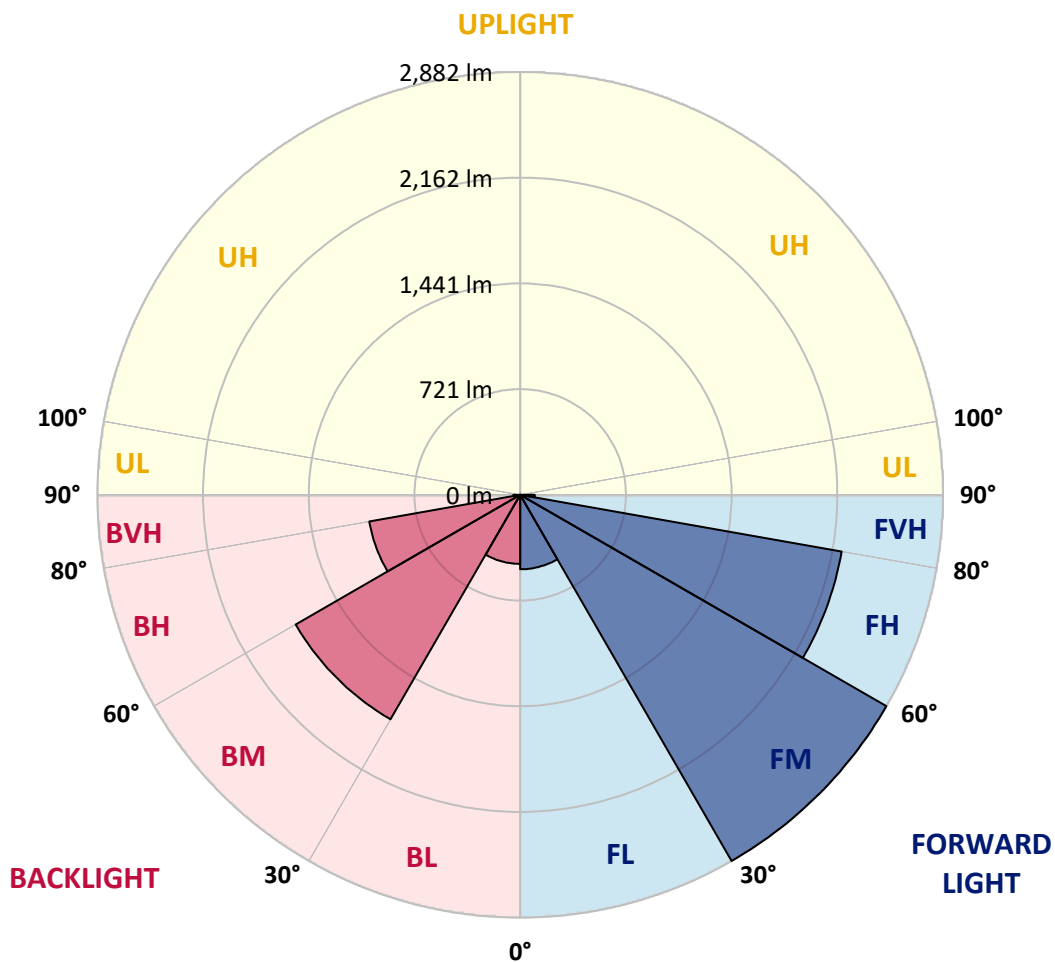
CATALOG NUMBER: LDRC-T2-F04-E-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	507.6	5.6			
FM	(30°-60°)	2882.3	31.9			
FH	(60°-80°)	2225.0	24.6			G2/5000
FVH	(80°-90°)	99.6	1.1			G1/100
BL	(0°-30°)	470.9	5.2	B1/500		
BM	(30°-60°)	1766.8	19.5	B2/2500		
BH	(60°-80°)	1044.3	11.5	B3/2500		G3/2500
BVH	(80°-90°)	47.1	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P146414

CATALOG NUMBER: LDRC-T2-F04-E-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8
2.5°	884.3	883.7	883.1	880.7	879.5	874.6	869.8	866.8	864.4	865.6	862.0
5°	935.6	935.6	933.1	930.1	926.5	919.9	907.8	901.8	900.6	900.6	896.3
7.5°	988.0	991.7	985.0	982.6	976.6	966.3	952.4	944.6	942.2	942.2	938.6
10°	1054.4	1052.6	1045.3	1040.5	1028.4	1014.6	995.9	986.8	983.2	986.2	980.2
12.5°	1124.4	1123.8	1112.9	1103.8	1087.0	1064.6	1039.9	1027.8	1025.4	1025.4	1021.8
15°	1195.5	1196.1	1184.1	1167.2	1140.6	1110.5	1082.7	1071.3	1068.3	1067.1	1062.8
17.5°	1249.8	1255.9	1243.8	1222.1	1189.5	1156.3	1126.8	1115.3	1114.7	1113.5	1108.7
20°	1280.6	1281.8	1275.2	1259.5	1230.5	1198.5	1178.0	1172.6	1172.0	1172.6	1173.8
22.5°	1279.4	1281.2	1278.8	1272.7	1254.0	1236.5	1234.1	1237.2	1239.0	1237.2	1241.4
25°	1269.7	1272.1	1272.1	1275.2	1270.3	1276.4	1295.7	1304.1	1304.7	1305.9	1315.0
27.5°	1290.8	1293.2	1292.6	1298.1	1302.3	1323.4	1358.4	1373.5	1375.3	1379.5	1388.0
30°	1388.6	1389.2	1378.3	1377.7	1381.9	1398.8	1434.4	1451.9	1450.1	1458.5	1464.0
32.5°	1543.0	1547.8	1536.9	1525.5	1523.7	1526.1	1532.7	1544.8	1543.0	1547.2	1554.4
35°	1719.1	1719.7	1713.7	1720.3	1723.9	1707.6	1676.3	1673.3	1663.6	1665.4	1667.8
37.5°	1880.8	1885.0	1896.4	1938.7	1962.8	1923.0	1861.5	1822.9	1816.8	1813.8	1792.7
40°	2032.2	2053.3	2081.0	2135.9	2169.1	2183.6	2096.1	2018.3	1997.2	1988.7	1955.6
42.5°	2209.5	2220.4	2252.9	2315.7	2359.7	2425.4	2366.9	2281.3	2256.6	2220.4	2178.7
45°	2359.7	2366.9	2387.4	2440.5	2532.8	2642.6	2649.2	2589.5	2570.2	2534.0	2473.1
47.5°	2460.4	2459.8	2474.9	2526.8	2646.8	2814.5	2914.0	2911.6	2889.3	2876.6	2824.8
50°	2499.6	2499.0	2508.7	2566.6	2697.5	2917.0	3136.6	3212.0	3211.4	3216.2	3189.7
52.5°	2506.9	2506.3	2507.5	2553.9	2687.2	2952.6	3297.1	3475.0	3500.9	3533.5	3563.1
55°	2452.6	2458.6	2471.9	2520.8	2648.6	2938.2	3415.9	3721.7	3783.8	3850.2	3957.6
57.5°	2327.1	2338.6	2384.4	2471.9	2607.6	2902.6	3498.5	4026.9	4153.0	4313.4	4604.2
60°	2147.4	2157.6	2221.0	2336.8	2488.2	2747.6	3402.6	4154.8	4394.3	4672.9	5268.9
62.5°	1829.5	1858.4	1892.2	1974.3	2132.9	2341.6	2971.9	3938.9	4309.8	4718.8	5539.1
65°	1228.7	1216.6	1272.7	1377.1	1551.4	1713.7	2189.6	3248.8	3718.1	4280.9	5296.1
67.5°	760.6	762.4	800.4	902.4	1033.9	1159.9	1388.0	2070.8	2487.0	3022.0	4242.9
70°	628.5	635.8	666.5	761.2	873.4	1015.8	1030.3	1097.8	1284.2	1543.0	2620.9
72.5°	498.8	501.9	533.2	612.2	770.9	966.3	1223.3	834.2	819.7	858.9	1329.4
75°	309.4	311.9	327.5	378.2	500.0	752.8	1346.9	959.1	898.8	848.1	856.5
77.5°	159.8	164.7	173.1	196.0	262.4	420.4	1060.4	1216.0	1147.3	1078.5	944.0
80°	90.5	90.5	98.3	103.7	124.3	171.3	539.3	1316.2	1438.0	1467.6	1318.0
82.5°	40.4	45.2	60.9	65.1	71.2	78.4	178.5	790.8	1097.2	1370.5	1693.8
85°	24.1	23.5	38.6	42.2	44.0	37.4	67.0	322.7	512.7	750.4	1122.5
87.5°	9.7	10.3	16.3	17.5	20.5	15.1	25.3	69.4	101.9	147.8	208.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P146414

CATALOG NUMBER: LDRC-T2-F04-E-7030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8
2.5°	861.4	861.4	860.8	860.2	859.6	857.7	857.1	855.9	855.3	853.5	852.9
5°	895.7	893.9	893.3	892.1	891.5	889.1	889.1	886.7	884.9	882.5	881.9
7.5°	936.8	934.3	932.5	931.3	930.7	926.5	926.5	922.9	922.3	919.3	918.1
10°	978.4	976.6	974.2	973.0	972.3	969.9	967.5	965.1	963.3	961.5	959.1
12.5°	1020.0	1016.4	1015.2	1013.4	1012.2	1010.4	1009.7	1004.3	1004.3	1002.5	1000.1
15°	1060.4	1059.8	1055.6	1055.0	1053.8	1054.4	1050.8	1051.4	1049.6	1046.5	1045.3
17.5°	1109.9	1105.7	1107.5	1104.4	1105.1	1103.8	1102.6	1102.0	1103.2	1102.6	1103.8
20°	1171.4	1170.2	1172.0	1167.8	1172.0	1172.6	1171.4	1174.4	1173.2	1174.4	1170.8
22.5°	1244.4	1240.2	1240.2	1243.2	1245.0	1250.4	1247.4	1249.8	1252.2	1254.0	1251.6
25°	1318.0	1316.8	1319.2	1321.6	1325.2	1330.0	1328.8	1329.4	1334.3	1337.3	1337.9
27.5°	1392.8	1392.8	1400.0	1400.0	1404.8	1410.3	1412.1	1414.5	1418.1	1422.3	1422.3
30°	1470.0	1470.0	1476.6	1482.7	1485.1	1491.7	1495.3	1498.9	1505.6	1506.8	1512.2
32.5°	1558.1	1559.9	1566.5	1570.1	1575.5	1583.4	1584.6	1588.8	1596.7	1599.1	1603.3
35°	1672.7	1666.6	1672.7	1679.3	1682.3	1679.9	1693.2	1698.6	1704.0	1707.0	1712.5
37.5°	1790.9	1780.6	1781.2	1780.0	1772.8	1777.0	1777.0	1775.8	1779.4	1778.8	1781.2
40°	1940.5	1922.4	1917.0	1905.5	1889.8	1881.4	1872.3	1871.1	1862.1	1865.7	1859.0
42.5°	2145.6	2118.4	2103.9	2068.4	2049.1	2026.1	2003.8	1984.5	1974.3	1962.8	1954.4
45°	2427.3	2395.3	2360.3	2303.0	2269.8	2224.0	2194.4	2150.4	2120.8	2096.1	2078.6
47.5°	2780.7	2727.0	2698.7	2645.0	2587.1	2517.7	2454.4	2392.9	2342.8	2288.5	2245.7
50°	3191.5	3124.5	3102.2	3031.1	2998.5	2920.7	2853.1	2777.1	2698.7	2616.7	2538.2
52.5°	3555.2	3547.4	3556.4	3508.8	3507.6	3468.4	3393.6	3304.9	3231.9	3149.3	3046.1
55°	3991.3	4069.2	4086.0	4079.4	4115.0	4113.8	4106.6	4097.5	4039.6	3922.6	3887.0
57.5°	4761.0	4848.5	4977.6	5036.1	5165.2	5180.2	5299.7	5253.2	5341.9	5317.8	5334.1
60°	5544.6	5813.0	6057.9	6244.3	6425.2	6589.9	6791.4	6877.6	6942.2	7042.9	7149.1
62.5°	5895.0	6233.4	6525.4	6790.8	7015.8	7224.5	7397.6	7561.6	7690.7	7806.5	7895.8
65°	5753.3	6146.0	6430.7	6707.5	6917.4	7111.7	7283.6	7406.6	7535.1	7640.1	7734.8
67.5°	4790.0	5312.9	5684.5	5998.8	6262.4	6483.7	6662.3	6831.8	6922.9	7037.5	7088.7
70°	3172.8	3843.6	4368.9	4793.6	5211.6	5462.5	5674.3	5871.5	5975.2	6068.1	6125.4
72.5°	1742.6	2201.1	2762.0	3266.9	3668.6	3998.0	4244.7	4431.7	4538.4	4618.1	4535.4
75°	987.4	1213.6	1488.1	1767.4	2072.0	2304.2	2369.3	2449.0	2467.7	2426.7	2320.5
77.5°	907.8	907.8	908.4	901.8	915.0	931.3	921.7	905.4	831.8	815.5	792.6
80°	1180.5	1052.0	914.4	751.0	612.2	516.3	486.8	489.2	512.7	558.6	609.2
82.5°	1673.3	1546.6	1348.1	1099.0	874.6	686.4	562.8	506.1	505.5	551.3	617.1
85°	1220.3	1230.5	1186.5	1049.6	837.2	659.3	532.6	409.0	369.2	369.2	364.3
87.5°	213.5	220.2	190.0	170.1	118.8	83.8	75.4	66.4	65.7	68.2	62.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P146414

CATALOG NUMBER: LDRC-T2-F04-E-7030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8
2.5°	852.9	851.7	850.5	849.9	849.9	848.7	848.7	847.5	848.1	847.5	845.7
5°	880.7	880.1	878.3	875.2	874.6	872.2	872.8	870.4	870.4	869.2	866.2
7.5°	915.6	914.4	913.2	910.8	908.4	908.4	904.2	904.2	901.2	900.0	897.6
10°	957.3	953.7	951.8	949.4	948.8	948.2	944.0	944.0	940.4	939.8	938.0
12.5°	998.3	995.9	994.1	992.9	989.8	989.2	987.4	985.6	983.8	982.6	982.0
15°	1042.9	1041.7	1039.9	1039.9	1039.9	1036.9	1035.1	1033.9	1033.9	1032.1	1033.3
17.5°	1100.8	1102.6	1100.2	1099.0	1097.2	1100.2	1097.2	1097.2	1099.0	1099.0	1094.8
20°	1172.6	1175.0	1172.6	1173.2	1172.0	1172.6	1173.2	1174.4	1176.8	1172.6	1173.2
22.5°	1252.2	1252.8	1254.6	1252.8	1255.9	1254.0	1257.7	1260.7	1260.1	1258.9	1259.5
25°	1339.1	1337.3	1337.9	1343.3	1347.5	1346.3	1346.9	1351.8	1350.6	1349.3	1349.9
27.5°	1427.2	1426.0	1427.8	1432.6	1437.4	1436.8	1435.6	1439.2	1439.2	1436.2	1437.4
30°	1514.6	1516.4	1519.4	1519.4	1521.9	1524.3	1522.5	1526.7	1527.3	1524.9	1527.9
32.5°	1606.9	1610.5	1609.3	1617.8	1617.8	1618.4	1620.2	1619.6	1625.6	1620.8	1622.6
35°	1717.9	1719.1	1726.3	1732.4	1736.0	1739.0	1739.0	1740.8	1743.8	1741.4	1745.0
37.5°	1785.5	1787.9	1790.3	1793.9	1793.9	1793.9	1796.9	1797.5	1799.3	1798.7	1799.9
40°	1859.6	1860.3	1860.9	1861.5	1863.9	1865.1	1862.1	1866.3	1863.3	1864.5	1866.3
42.5°	1949.5	1941.1	1942.3	1940.5	1944.7	1939.3	1940.5	1945.3	1942.9	1946.5	1946.5
45°	2053.9	2044.2	2035.8	2031.0	2031.0	2023.7	2024.9	2026.7	2029.8	2034.6	2043.0
47.5°	2208.3	2175.1	2158.8	2141.9	2133.5	2124.5	2127.5	2128.1	2129.3	2137.1	2158.2
50°	2461.0	2405.5	2362.7	2311.4	2292.1	2276.5	2267.4	2268.0	2268.0	2284.3	2305.4
52.5°	2949.6	2846.5	2744.5	2655.3	2578.7	2541.9	2499.0	2488.2	2488.8	2502.7	2517.1
55°	3793.5	3651.7	3543.8	3345.3	3285.0	3115.5	3026.2	2975.0	2935.1	2954.4	2975.6
57.5°	5307.5	5176.6	5091.0	4853.9	4638.0	4576.4	4429.9	4311.0	4262.2	4205.5	4209.1
60°	7164.7	7097.2	7075.5	6936.7	6858.9	6617.0	6597.7	6447.5	6305.8	6183.3	6233.4
62.5°	7964.6	7995.9	8021.3	8070.1	8088.8	8065.9	7968.8	7902.5	7786.0	7625.6	7527.3
65°	7762.5	7834.3	7942.3	8044.2	8166.1	8267.4	8317.5	8298.2	8193.2	8027.9	7821.6
67.5°	7125.5	7198.5	7291.4	7420.5	7606.9	7804.1	7941.7	8029.1	7945.9	7796.9	7587.0
70°	6122.4	6193.6	6196.6	6377.0	6577.8	6826.4	7070.0	7161.7	7067.0	6967.5	6792.0
72.5°	4585.5	4542.7	4582.5	4615.6	4730.3	4887.1	5123.5	5113.3	4968.5	4891.3	4621.7
75°	2155.2	2126.3	2084.0	2056.3	2029.8	1974.3	2000.8	1887.4	1848.2	1863.9	1631.0
77.5°	775.1	735.3	671.4	609.2	530.8	439.7	371.0	325.7	303.4	304.0	290.1
80°	650.2	669.5	660.5	599.0	510.9	415.6	311.2	235.8	201.5	187.0	177.9
82.5°	705.1	802.2	850.5	812.5	686.4	528.4	340.2	205.7	150.8	129.1	123.7
85°	390.9	391.5	379.4	362.5	321.5	220.8	147.2	97.7	78.4	70.0	67.6
87.5°	66.4	63.3	63.3	59.1	51.9	50.7	45.2	42.8	38.0	35.0	33.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P146414

CATALOG NUMBER: LDRC-T2-F04-E-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8
2.5°	843.9	842.7	842.1	841.5	841.5	840.9	840.9	839.6	838.4	837.8	837.2
5°	863.2	862.0	860.8	859.6	859.6	858.3	857.1	855.9	854.1	851.1	850.5
7.5°	895.7	893.3	893.3	889.1	889.1	886.7	884.9	884.9	882.5	877.6	877.0
10°	936.2	931.9	930.1	927.7	926.5	924.1	924.1	921.7	920.5	918.7	912.6
12.5°	979.6	976.6	975.4	972.3	970.5	970.5	969.3	965.1	968.1	963.9	960.9
15°	1032.1	1031.5	1026.0	1027.8	1027.2	1026.6	1027.2	1023.6	1023.0	1023.0	1019.4
17.5°	1097.8	1093.0	1093.6	1093.6	1094.8	1094.8	1090.0	1092.4	1093.0	1091.8	1090.6
20°	1175.0	1173.2	1175.0	1171.4	1175.0	1175.0	1177.4	1176.8	1177.4	1178.6	1178.6
22.5°	1257.7	1262.5	1263.1	1264.3	1260.1	1267.3	1267.3	1268.5	1271.5	1271.5	1272.7
25°	1357.8	1355.4	1352.4	1356.6	1357.8	1362.6	1363.8	1363.8	1368.6	1368.6	1370.5
27.5°	1441.0	1443.4	1442.8	1445.3	1444.0	1450.7	1453.1	1460.3	1458.5	1462.1	1467.0
30°	1526.7	1531.5	1529.1	1529.7	1532.7	1536.9	1541.8	1549.0	1550.2	1559.9	1562.3
32.5°	1625.6	1629.2	1632.2	1633.5	1633.5	1640.7	1648.5	1650.9	1663.6	1670.8	1679.3
35°	1751.1	1751.7	1753.5	1755.3	1754.1	1761.9	1769.8	1772.2	1785.5	1787.3	1804.8
37.5°	1804.2	1805.4	1812.6	1816.2	1818.6	1828.3	1842.8	1853.6	1868.1	1882.0	1901.9
40°	1870.5	1877.7	1884.4	1889.8	1898.9	1912.1	1934.4	1945.3	1967.0	1993.0	2012.3
42.5°	1954.4	1967.6	1972.4	1982.7	2005.0	2021.3	2043.6	2067.1	2096.1	2127.5	2150.4
45°	2053.9	2066.5	2084.6	2096.1	2122.0	2148.0	2183.6	2204.1	2233.6	2269.8	2295.2
47.5°	2174.5	2192.0	2210.1	2233.6	2264.4	2291.5	2327.1	2353.7	2383.2	2412.8	2440.5
50°	2324.7	2350.7	2374.8	2399.5	2440.5	2463.4	2498.4	2526.2	2553.9	2583.5	2608.8
52.5°	2526.8	2566.0	2596.8	2613.6	2669.1	2692.1	2734.9	2754.2	2777.1	2803.6	2836.2
55°	2967.7	3028.6	3080.5	3110.7	3195.1	3225.3	3280.8	3309.1	3293.4	3327.2	3385.7
57.5°	4242.9	4317.7	4379.8	4420.8	4507.1	4549.3	4552.3	4658.5	4595.7	4657.9	4666.9
60°	6100.1	6159.2	6144.1	6144.7	6117.6	6078.4	6153.8	6039.2	6087.4	6090.5	5982.5
62.5°	7345.7	7255.2	7213.0	7143.0	7061.6	6998.9	6956.0	6863.8	6790.2	6731.7	6617.6
65°	7638.9	7482.0	7343.3	7212.4	7092.4	7009.1	6918.6	6819.7	6704.5	6607.4	6496.4
67.5°	7355.4	7135.8	6930.1	6757.6	6593.5	6483.7	6352.8	6258.7	6114.0	5986.1	5901.7
70°	6533.2	6229.2	5989.1	5878.7	5715.9	5480.0	5355.2	5237.5	5148.9	5033.1	4981.8
72.5°	4583.1	4207.9	4022.7	4029.9	3864.7	3695.8	3700.0	3628.2	3513.6	3510.0	3492.5
75°	1684.1	1532.1	1425.3	1430.2	1368.6	1302.9	1321.0	1340.3	1302.9	1378.9	1261.3
77.5°	267.8	260.6	258.2	252.7	239.5	249.1	242.5	255.2	257.0	270.8	272.0
80°	170.7	163.5	161.7	158.6	158.0	158.0	156.8	156.8	156.8	157.4	156.2
82.5°	114.0	109.8	109.2	107.4	110.4	111.0	111.6	116.4	120.6	121.8	126.7
85°	62.1	59.1	59.1	57.9	60.3	60.9	66.4	73.0	81.4	85.1	92.9
87.5°	31.4	33.2	32.6	33.8	35.6	39.8	44.0	48.3	53.1	59.7	65.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P146414

CATALOG NUMBER: LDRC-T2-F04-E-7030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8	837.8
2.5°	836.0	835.4	835.4	834.2	834.2	833.6	832.4	831.2	825.8	819.1	814.9
5°	848.7	847.5	846.9	845.7	843.9	843.9	842.1	839.6	829.4	818.5	811.9
7.5°	874.6	874.0	872.2	869.8	867.4	865.0	863.8	862.6	846.9	836.6	831.8
10°	912.0	911.4	907.2	906.6	903.0	903.6	900.6	898.2	887.9	876.4	869.8
12.5°	959.7	962.1	959.7	954.3	955.5	953.7	950.6	947.6	938.6	929.5	919.3
15°	1018.8	1015.8	1013.4	1018.2	1014.0	1013.4	1015.2	1015.8	1004.9	995.3	980.8
17.5°	1092.4	1092.4	1091.2	1092.4	1090.0	1091.8	1090.6	1091.8	1087.0	1073.7	1052.6
20°	1176.2	1181.1	1181.1	1179.2	1178.6	1182.3	1184.1	1177.4	1178.6	1167.2	1129.2
22.5°	1273.9	1277.6	1278.8	1277.0	1277.6	1282.4	1285.4	1280.6	1291.4	1272.7	1214.2
25°	1374.7	1380.1	1377.7	1378.3	1383.1	1388.6	1394.0	1389.2	1410.3	1381.3	1304.7
27.5°	1474.2	1479.0	1477.8	1481.4	1489.3	1496.5	1502.6	1500.7	1535.7	1497.7	1400.0
30°	1568.3	1579.8	1582.2	1586.4	1596.1	1608.1	1617.8	1617.2	1662.4	1611.1	1477.8
32.5°	1684.1	1696.8	1701.6	1710.7	1729.4	1737.8	1749.9	1751.1	1796.3	1710.7	1543.6
35°	1818.0	1830.7	1841.0	1847.6	1868.7	1879.0	1891.0	1896.4	1926.6	1803.6	1589.4
37.5°	1921.8	1932.6	1952.5	1966.4	1985.1	2005.6	2019.5	2026.1	2043.0	1883.2	1610.5
40°	2035.2	2058.7	2078.0	2099.1	2119.6	2135.9	2148.6	2158.8	2152.2	1949.5	1601.5
42.5°	2178.7	2203.5	2229.4	2247.5	2258.4	2280.1	2286.1	2293.3	2239.1	1979.7	1560.5
45°	2328.3	2348.2	2370.0	2383.2	2397.7	2408.6	2410.4	2411.0	2303.6	1962.2	1486.3
47.5°	2472.5	2489.4	2504.5	2511.7	2518.9	2519.5	2516.5	2511.7	2338.0	1903.1	1397.0
50°	2630.5	2640.8	2647.4	2648.0	2654.7	2642.0	2633.5	2611.2	2334.4	1812.6	1302.9
52.5°	2857.9	2855.5	2847.1	2846.5	2825.4	2801.2	2785.6	2753.6	2309.6	1714.9	1194.3
55°	3380.3	3357.4	3383.9	3316.4	3260.3	3222.9	3134.2	3069.7	2334.4	1623.8	1069.5
57.5°	4635.6	4557.1	4565.6	4456.4	4337.0	4113.2	3981.1	3802.5	2528.6	1573.1	912.0
60°	5959.6	5830.5	5708.6	5515.0	5261.1	4977.0	4721.2	4441.9	2721.6	1511.0	744.3
62.5°	6506.1	6339.6	6127.9	5854.6	5528.3	5176.0	4822.5	4504.1	2615.5	1324.0	536.2
65°	6329.9	6130.9	5905.3	5548.8	5178.4	4768.9	4381.6	4045.0	2178.1	968.1	323.9
67.5°	5704.4	5533.1	5255.0	4918.5	4460.0	4049.2	3666.2	3355.0	1605.7	598.4	185.8
70°	4803.2	4566.2	4328.5	4005.2	3522.1	3134.8	2778.3	2503.3	1018.8	295.6	136.9
72.5°	3315.2	3127.6	2937.6	2648.0	2287.3	2020.7	1714.3	1488.1	533.2	159.2	126.1
75°	1291.4	1270.9	1249.2	1117.7	995.3	797.4	700.3	631.5	222.0	138.1	124.3
77.5°	283.5	300.4	310.0	293.8	279.9	249.7	238.9	213.5	148.4	141.8	123.1
80°	156.2	156.2	156.2	158.0	155.0	155.0	153.2	150.2	138.7	141.8	120.6
82.5°	127.9	129.7	132.1	132.7	132.1	132.7	131.5	130.9	135.7	142.4	114.6
85°	97.7	103.7	107.4	112.2	117.0	120.0	121.2	121.8	124.9	135.1	100.1
87.5°	69.4	74.2	82.0	83.2	88.7	95.3	97.7	101.3	99.5	102.5	47.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P146414

CATALOG NUMBER: LDRC-T2-F04-E-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	837.8	837.8	837.8	837.8	837.8
2.5°	811.3	806.5	804.7	804.1	802.9
5°	806.5	803.5	801.0	799.2	800.4
7.5°	828.2	826.4	822.2	820.9	822.8
10°	866.8	862.6	856.5	857.1	856.5
12.5°	915.0	903.6	893.9	889.7	886.7
15°	964.5	942.2	922.3	913.2	909.6
17.5°	1019.4	981.4	950.6	934.3	931.3
20°	1077.3	1024.8	985.0	965.7	962.7
22.5°	1144.3	1071.9	1021.2	994.7	990.4
25°	1209.4	1114.1	1046.5	1014.0	1008.5
27.5°	1268.5	1146.1	1061.6	1023.0	1017.6
30°	1318.0	1171.4	1074.3	1030.3	1024.2
32.5°	1350.6	1185.3	1078.5	1030.9	1023.6
35°	1360.8	1176.2	1060.4	1005.5	999.5
37.5°	1339.1	1139.4	1012.2	950.0	945.2
40°	1289.6	1071.3	936.2	871.6	865.6
42.5°	1212.4	985.0	848.1	779.9	774.5
45°	1126.8	892.7	754.6	686.4	681.0
47.5°	1033.3	795.0	656.3	593.5	585.1
50°	930.7	688.8	556.1	494.6	486.8
52.5°	810.7	573.0	450.0	394.5	389.7
55°	670.1	456.6	358.3	317.9	313.1
57.5°	521.2	347.4	284.7	264.8	257.0
60°	378.2	264.2	226.8	217.2	212.9
62.5°	257.0	197.2	182.8	179.8	176.7
65°	174.3	154.4	150.2	150.8	149.0
67.5°	137.5	129.7	127.3	128.5	127.9
70°	120.6	114.6	114.0	115.2	114.6
72.5°	114.0	106.2	107.4	109.2	108.6
75°	111.0	102.5	105.0	106.2	103.1
77.5°	108.0	97.1	104.4	106.8	100.7
80°	103.7	92.3	109.2	108.0	96.5
82.5°	94.7	81.4	106.8	97.7	86.9
85°	77.2	60.9	120.0	86.3	63.3
87.5°	49.5	36.8	83.2	65.7	42.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)