

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: P146373

Luminaire Tested: **LDRL-T2-F06-E-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P146373
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: LDRL-T2-F06-E-8030
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12535.3 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

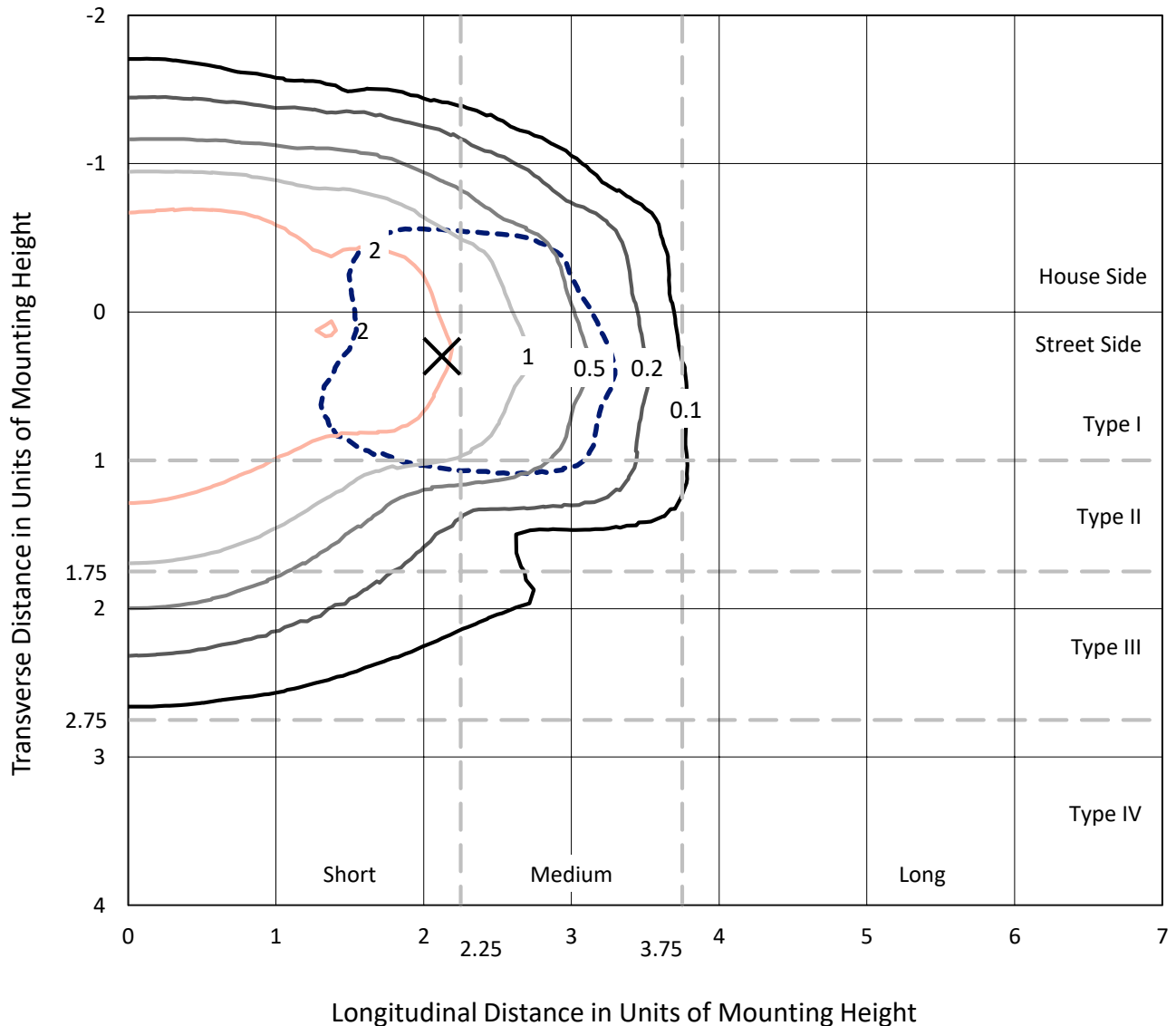
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

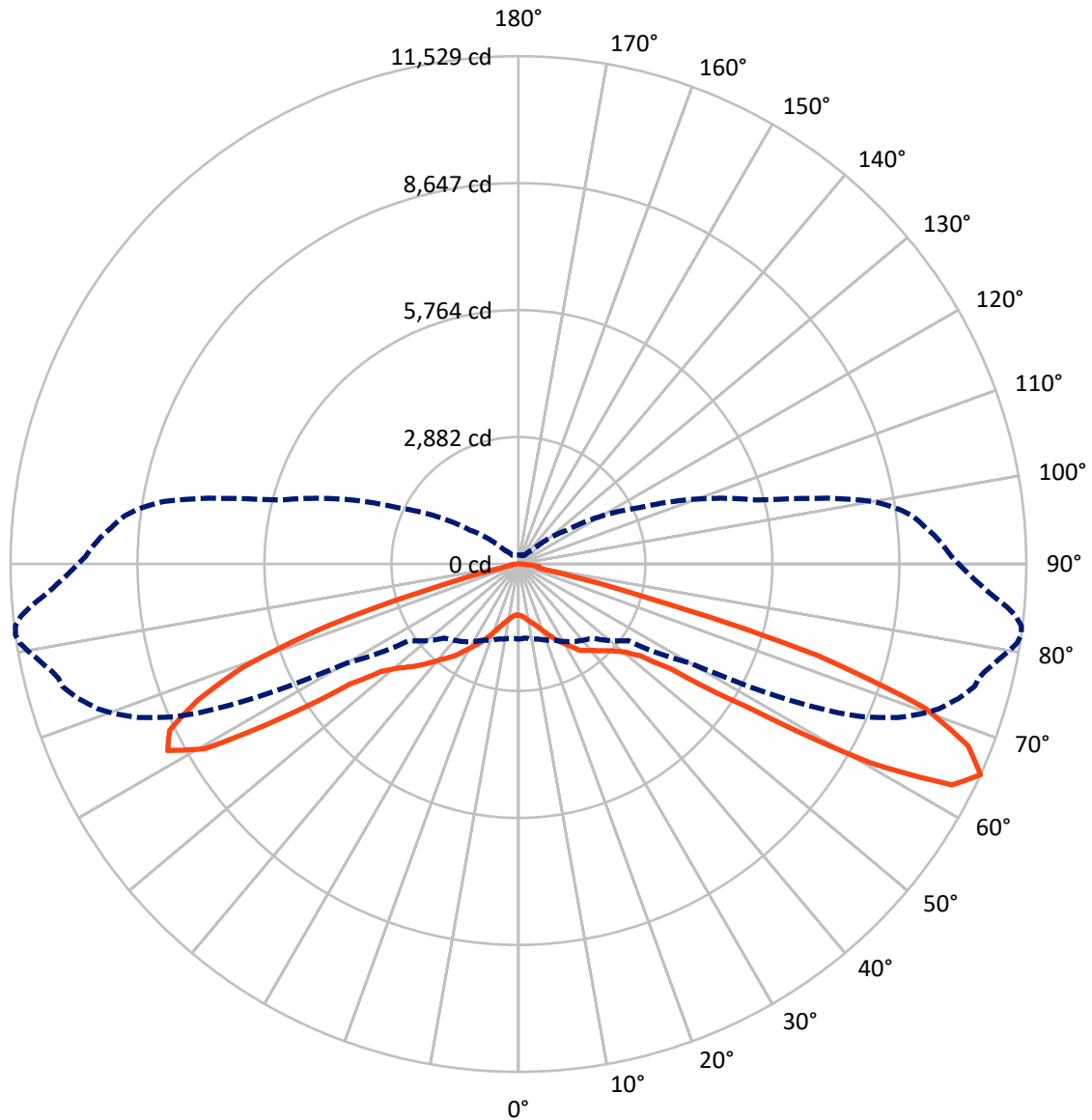
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Short - Semi-Cutoff

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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	4614.3	0.0	4614.3
	% Fixture	36.8	0.0	36.8
Street Side	Lumens	7920.9	0.0	7920.9
	% Fixture	63.2	0.0	63.2
Total	Lumens	12535.3	0.0	12535.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	0.9
10°-20°	415.1	3.3
20°-30°	823.4	6.6
30°-40°	1405.0	11.2
40°-50°	2106.7	16.8
50°-60°	2932.4	23.4
60°-70°	3368.9	26.9
70°-80°	1162.6	9.3
80°-90°	203.3	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°	12535.3	100.0
0°-180°	12535.3	100.0



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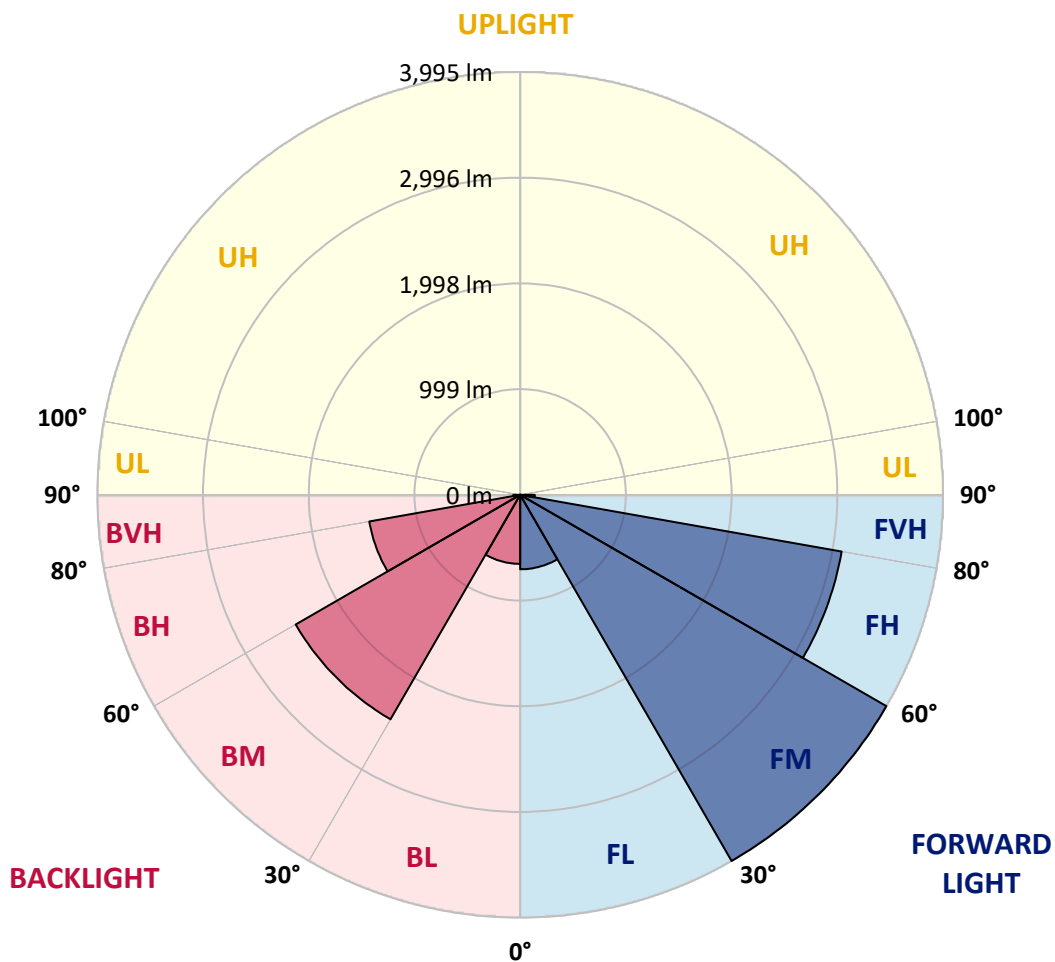
CATALOG NUMBER: LDRL-T2-F06-E-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	703.6	5.6			
FM	(30°-60°)	3995.1	31.9			
FH	(60°-80°)	3084.1	24.6			G2/5000
FVH	(80°-90°)	138.1	1.1			G2/225
BL	(0°-30°)	652.7	5.2	B2/1000		
BM	(30°-60°)	2448.9	19.5	B2/2500		
BH	(60°-80°)	1447.4	11.5	B3/2500		G3/2500
BVH	(80°-90°)	65.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3
2.5°	1225.7	1224.9	1224.0	1220.7	1219.0	1212.3	1205.6	1201.5	1198.1	1199.8	1194.8
5°	1296.8	1296.8	1293.4	1289.2	1284.2	1275.0	1258.3	1249.9	1248.3	1248.3	1242.4
7.5°	1369.5	1374.5	1365.3	1362.0	1353.6	1339.4	1320.2	1309.3	1306.0	1306.0	1300.9
10°	1461.5	1459.0	1448.9	1442.2	1425.5	1406.3	1380.4	1367.8	1362.8	1367.0	1358.6
12.5°	1558.5	1557.6	1542.6	1530.0	1506.6	1475.7	1441.4	1424.7	1421.3	1421.3	1416.3
15°	1657.1	1658.0	1641.2	1617.8	1581.0	1539.2	1500.8	1484.9	1480.7	1479.0	1473.2
17.5°	1732.4	1740.7	1724.0	1693.9	1648.8	1602.8	1561.8	1545.9	1545.1	1543.4	1536.7
20°	1775.0	1776.7	1767.5	1745.7	1705.6	1661.3	1632.9	1625.3	1624.5	1625.3	1627.0
22.5°	1773.3	1775.8	1772.5	1764.1	1738.2	1714.0	1710.6	1714.8	1717.3	1714.8	1720.7
25°	1760.0	1763.3	1763.3	1767.5	1760.8	1769.2	1795.9	1807.6	1808.4	1810.1	1822.7
27.5°	1789.2	1792.6	1791.7	1799.2	1805.1	1834.4	1882.9	1903.8	1906.3	1912.1	1923.8
30°	1924.7	1925.5	1910.4	1909.6	1915.5	1938.9	1988.2	2012.5	2009.9	2021.6	2029.2
32.5°	2138.7	2145.4	2130.3	2114.5	2111.9	2115.3	2124.5	2141.2	2138.7	2144.6	2154.6
35°	2382.8	2383.7	2375.3	2384.5	2389.5	2367.0	2323.5	2319.3	2305.9	2308.4	2311.8
37.5°	2606.9	2612.8	2628.6	2687.2	2720.6	2665.4	2580.2	2526.6	2518.3	2514.1	2484.8
40°	2816.8	2846.0	2884.5	2960.6	3006.6	3026.6	2905.4	2797.5	2768.3	2756.6	2710.6
42.5°	3062.6	3077.6	3122.8	3209.7	3270.8	3361.9	3280.8	3162.1	3127.8	3077.6	3019.9
45°	3270.8	3280.8	3309.2	3382.8	3510.7	3662.9	3672.1	3589.3	3562.5	3512.4	3427.9
47.5°	3410.4	3409.5	3430.4	3502.4	3668.7	3901.2	4039.1	4035.8	4004.8	3987.3	3915.4
50°	3464.7	3463.9	3477.3	3557.5	3739.0	4043.3	4347.6	4452.1	4451.3	4458.0	4421.2
52.5°	3474.8	3473.9	3475.6	3540.0	3724.7	4092.6	4570.0	4816.7	4852.6	4897.8	4938.7
55°	3399.5	3407.9	3426.3	3494.0	3671.2	4072.6	4734.7	5158.6	5244.7	5336.7	5485.5
57.5°	3225.6	3241.5	3305.0	3426.3	3614.4	4023.2	4849.3	5581.7	5756.4	5978.8	6381.8
60°	2976.5	2990.7	3078.5	3239.0	3448.8	3808.4	4716.3	5758.9	6090.9	6477.1	7303.2
62.5°	2535.8	2576.0	2622.8	2736.5	2956.4	3245.7	4119.4	5459.6	5973.8	6540.7	7677.7
65°	1703.1	1686.4	1764.1	1908.8	2150.4	2375.3	3035.0	4503.1	5153.6	5933.7	7340.8
67.5°	1054.3	1056.8	1109.5	1250.8	1433.0	1607.8	1923.8	2870.3	3447.2	4188.8	5881.0
70°	871.2	881.2	923.9	1055.1	1210.6	1408.0	1428.0	1521.7	1780.0	2138.7	3632.8
72.5°	691.4	695.6	739.1	848.6	1068.5	1339.4	1695.6	1156.3	1136.2	1190.6	1842.7
75°	428.9	432.3	454.0	524.2	693.1	1043.4	1867.0	1329.4	1245.8	1175.5	1187.2
77.5°	221.6	228.3	240.0	271.7	363.7	582.7	1469.8	1685.5	1590.2	1494.9	1308.5
80°	125.4	125.4	136.3	143.8	172.2	237.4	747.5	1824.3	1993.2	2034.2	1826.8
82.5°	56.0	62.7	84.4	90.3	98.7	108.7	247.5	1096.1	1520.8	1899.6	2347.7
85°	33.4	32.6	53.5	58.5	61.0	51.8	92.8	447.3	710.7	1040.1	1555.9
87.5°	13.4	14.2	22.6	24.2	28.4	20.9	35.1	96.1	141.3	204.8	289.3
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°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3
2.5°	1193.9	1193.9	1193.1	1192.3	1191.4	1188.9	1188.1	1186.4	1185.6	1183.1	1182.2
5°	1241.6	1239.1	1238.2	1236.6	1235.7	1232.4	1232.4	1229.0	1226.5	1223.2	1222.4
7.5°	1298.4	1295.1	1292.6	1290.9	1290.1	1284.2	1284.2	1279.2	1278.4	1274.2	1272.5
10°	1356.1	1353.6	1350.3	1348.6	1347.8	1344.4	1341.1	1337.7	1335.2	1332.7	1329.4
12.5°	1413.8	1408.8	1407.1	1404.6	1402.9	1400.4	1399.6	1392.1	1392.1	1389.6	1386.2
15°	1469.8	1469.0	1463.1	1462.3	1460.6	1461.5	1456.5	1457.3	1454.8	1450.6	1448.9
17.5°	1538.4	1532.5	1535.0	1530.9	1531.7	1530.0	1528.4	1527.5	1529.2	1528.4	1530.0
20°	1623.7	1622.0	1624.5	1618.7	1624.5	1625.3	1623.7	1627.9	1626.2	1627.9	1622.8
22.5°	1724.8	1719.0	1719.0	1723.2	1725.7	1733.2	1729.0	1732.4	1735.7	1738.2	1734.9
25°	1826.8	1825.2	1828.5	1831.9	1836.9	1843.6	1841.9	1842.7	1849.4	1853.6	1854.4
27.5°	1930.5	1930.5	1940.5	1940.5	1947.2	1954.8	1957.3	1960.6	1965.6	1971.5	1971.5
30°	2037.5	2037.5	2046.7	2055.1	2058.4	2067.6	2072.6	2077.7	2086.9	2088.5	2096.1
32.5°	2159.6	2162.1	2171.3	2176.3	2183.8	2194.7	2196.4	2202.2	2213.1	2216.5	2222.3
35°	2318.5	2310.1	2318.5	2327.7	2331.8	2328.5	2346.9	2354.4	2361.9	2366.1	2373.6
37.5°	2482.3	2468.1	2469.0	2467.3	2457.2	2463.1	2463.1	2461.4	2466.4	2465.6	2469.0
40°	2689.7	2664.6	2657.1	2641.2	2619.4	2607.7	2595.2	2593.5	2581.0	2586.0	2576.8
42.5°	2973.9	2936.3	2916.3	2866.9	2840.2	2808.4	2777.5	2750.7	2736.5	2720.6	2708.9
45°	3364.4	3320.1	3271.6	3192.2	3146.2	3082.6	3041.7	2980.6	2939.7	2905.4	2881.1
47.5°	3854.3	3779.9	3740.6	3666.2	3586.0	3489.8	3402.0	3316.7	3247.3	3172.1	3112.7
50°	4423.7	4330.9	4300.0	4201.3	4156.2	4048.3	3954.7	3849.3	3740.6	3626.9	3518.2
52.5°	4927.9	4917.0	4929.5	4863.5	4861.8	4807.5	4703.8	4580.9	4479.7	4365.2	4222.2
55°	5532.4	5640.2	5663.6	5654.4	5703.8	5702.1	5692.1	5679.5	5599.2	5437.0	5387.7
57.5°	6599.2	6720.4	6899.4	6980.5	7159.4	7180.3	7345.8	7281.4	7404.3	7370.9	7393.5
60°	7685.3	8057.3	8396.8	8655.1	8906.0	9134.2	9413.5	9533.0	9622.5	9762.1	9909.3
62.5°	8171.0	8640.1	9044.7	9412.6	9724.5	10013.8	10253.7	10481.1	10660.1	10820.6	10944.3
65°	7974.6	8518.8	8913.5	9297.2	9588.2	9857.4	10095.7	10266.3	10444.3	10589.8	10721.1
67.5°	6639.3	7364.2	7879.2	8314.8	8680.2	8987.1	9234.5	9469.5	9595.7	9754.6	9825.6
70°	4397.8	5327.5	6055.7	6644.3	7223.8	7571.6	7865.0	8138.4	8282.2	8411.0	8490.4
72.5°	2415.4	3050.9	3828.4	4528.2	5085.1	5541.6	5883.5	6142.7	6290.7	6401.0	6286.5
75°	1368.7	1682.2	2062.6	2449.7	2871.9	3193.8	3284.1	3394.5	3420.4	3363.6	3216.4
77.5°	1258.3	1258.3	1259.1	1249.9	1268.3	1290.9	1277.5	1255.0	1153.0	1130.4	1098.6
80°	1636.2	1458.1	1267.5	1040.9	848.6	715.7	674.7	678.1	710.7	774.2	844.4
82.5°	2319.3	2143.7	1868.6	1523.3	1212.3	951.5	780.1	701.5	700.6	764.2	855.3
85°	1691.4	1705.6	1644.6	1454.8	1160.5	913.8	738.3	566.9	511.7	511.7	505.0
87.5°	296.0	305.2	263.4	235.8	164.7	116.2	104.5	92.0	91.1	94.5	87.0
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3
2.5°	1182.2	1180.5	1178.9	1178.0	1178.0	1176.4	1176.4	1174.7	1175.5	1174.7	1172.2
5°	1220.7	1219.8	1217.3	1213.2	1212.3	1209.0	1209.8	1206.5	1206.5	1204.8	1200.6
7.5°	1269.2	1267.5	1265.8	1262.5	1259.1	1259.1	1253.3	1253.3	1249.1	1247.4	1244.1
10°	1326.9	1321.8	1319.3	1316.0	1315.2	1314.3	1308.5	1308.5	1303.5	1302.6	1300.1
12.5°	1383.7	1380.4	1377.9	1376.2	1372.0	1371.2	1368.7	1366.2	1363.7	1362.0	1361.1
15°	1445.6	1443.9	1441.4	1441.4	1441.4	1437.2	1434.7	1433.0	1433.0	1430.5	1432.2
17.5°	1525.9	1528.4	1525.0	1523.3	1520.8	1525.0	1520.8	1520.8	1523.3	1523.3	1517.5
20°	1625.3	1628.7	1625.3	1626.2	1624.5	1625.3	1626.2	1627.9	1631.2	1625.3	1626.2
22.5°	1735.7	1736.5	1739.1	1736.5	1740.7	1738.2	1743.2	1747.4	1746.6	1744.9	1745.7
25°	1856.1	1853.6	1854.4	1862.0	1867.8	1866.1	1867.0	1873.7	1872.0	1870.3	1871.2
27.5°	1978.2	1976.5	1979.0	1985.7	1992.4	1991.5	1989.9	1994.9	1994.9	1990.7	1992.4
30°	2099.4	2101.9	2106.1	2106.1	2109.4	2112.8	2110.3	2116.1	2117.0	2113.6	2117.8
32.5°	2227.3	2232.3	2230.7	2242.4	2242.4	2243.2	2245.7	2244.9	2253.2	2246.6	2249.1
35°	2381.2	2382.8	2392.9	2401.2	2406.2	2410.4	2410.4	2412.9	2417.1	2413.8	2418.8
37.5°	2474.8	2478.1	2481.5	2486.5	2486.5	2486.5	2490.7	2491.5	2494.0	2493.2	2494.9
40°	2577.6	2578.5	2579.3	2580.2	2583.5	2585.2	2581.0	2586.8	2582.7	2584.3	2586.8
42.5°	2702.2	2690.5	2692.2	2689.7	2695.5	2688.0	2689.7	2696.4	2693.0	2698.0	2698.0
45°	2846.9	2833.5	2821.8	2815.1	2815.1	2805.1	2806.7	2809.2	2813.4	2820.1	2831.8
47.5°	3060.9	3014.9	2992.3	2968.9	2957.2	2944.7	2948.9	2949.7	2951.4	2962.2	2991.5
50°	3411.2	3334.3	3274.9	3203.9	3177.1	3155.4	3142.8	3143.7	3143.7	3166.2	3195.5
52.5°	4088.4	3945.5	3804.2	3680.4	3574.3	3523.3	3463.9	3448.8	3449.7	3468.9	3489.0
55°	5258.1	5061.6	4912.0	4636.9	4553.3	4318.4	4194.6	4123.6	4068.4	4095.1	4124.4
57.5°	7356.7	7175.3	7056.5	6728.0	6428.6	6343.4	6140.2	5975.5	5907.8	5829.2	5834.2
60°	9931.0	9837.3	9807.2	9615.0	9507.1	9171.8	9145.1	8936.9	8740.4	8570.7	8640.1
62.5°	11039.6	11083.1	11118.2	11185.9	11211.9	11180.1	11045.5	10953.5	10792.2	10569.8	10433.5
65°	10759.5	10859.0	11008.7	11150.0	11318.9	11459.3	11528.7	11502.0	11356.5	11127.4	10841.5
67.5°	9876.6	9977.8	10106.6	10285.5	10543.8	10817.2	11007.9	11129.1	11013.7	10807.2	10516.2
70°	8486.2	8584.9	8589.1	8839.1	9117.5	9461.9	9799.7	9926.8	9795.5	9657.6	9414.3
72.5°	6355.9	6296.5	6351.7	6397.7	6556.6	6773.9	7101.7	7087.5	6886.8	6779.8	6406.1
75°	2987.3	2947.2	2888.7	2850.2	2813.4	2736.5	2773.3	2616.1	2561.8	2583.5	2260.8
77.5°	1074.4	1019.2	930.6	844.4	735.8	609.5	514.2	451.5	420.5	421.4	402.2
80°	901.3	928.1	915.5	830.2	708.2	576.1	431.4	326.9	279.3	259.2	246.6
82.5°	977.4	1112.0	1178.9	1126.2	951.5	732.4	471.6	285.1	209.0	178.9	171.4
85°	541.8	542.6	525.9	502.5	445.6	306.0	204.0	135.4	108.7	97.0	93.6
87.5°	92.0	87.8	87.8	81.9	71.9	70.2	62.7	59.4	52.7	48.5	46.8
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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CATALOG NUMBER: LDRL-T2-F06-E-8030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3
2.5°	1169.7	1168.0	1167.2	1166.3	1166.3	1165.5	1165.5	1163.8	1162.2	1161.3	1160.5
5°	1196.4	1194.8	1193.1	1191.4	1191.4	1189.7	1188.1	1186.4	1183.9	1179.7	1178.9
7.5°	1241.6	1238.2	1238.2	1232.4	1232.4	1229.0	1226.5	1226.5	1223.2	1216.5	1215.7
10°	1297.6	1291.7	1289.2	1285.9	1284.2	1280.9	1280.9	1277.5	1275.9	1273.4	1265.0
12.5°	1357.8	1353.6	1351.9	1347.8	1345.3	1345.3	1343.6	1337.7	1341.9	1336.1	1331.9
15°	1430.5	1429.7	1422.2	1424.7	1423.8	1423.0	1423.8	1418.8	1418.0	1418.0	1413.0
17.5°	1521.7	1515.0	1515.8	1515.8	1517.5	1517.5	1510.8	1514.1	1515.0	1513.3	1511.6
20°	1628.7	1626.2	1628.7	1623.7	1628.7	1628.7	1632.0	1631.2	1632.0	1633.7	1633.7
22.5°	1743.2	1749.9	1750.8	1752.4	1746.6	1756.6	1756.6	1758.3	1762.5	1762.5	1764.1
25°	1882.0	1878.7	1874.5	1880.3	1882.0	1888.7	1890.4	1890.4	1897.1	1897.1	1899.6
27.5°	1997.4	2000.7	1999.9	2003.3	2001.6	2010.8	2014.1	2024.2	2021.6	2026.7	2033.4
30°	2116.1	2122.8	2119.5	2120.3	2124.5	2130.3	2137.0	2147.1	2148.7	2162.1	2165.5
32.5°	2253.2	2258.3	2262.4	2264.1	2264.1	2274.1	2285.0	2288.4	2305.9	2315.9	2327.7
35°	2427.1	2428.0	2430.5	2433.0	2431.3	2442.2	2453.1	2456.4	2474.8	2477.3	2501.6
37.5°	2500.7	2502.4	2512.4	2517.4	2520.8	2534.2	2554.2	2569.3	2589.3	2608.6	2636.2
40°	2592.7	2602.7	2611.9	2619.4	2632.0	2650.4	2681.3	2696.4	2726.5	2762.4	2789.2
42.5°	2708.9	2727.3	2734.0	2748.2	2779.1	2801.7	2832.6	2865.3	2905.4	2948.9	2980.6
45°	2846.9	2864.4	2889.5	2905.4	2941.3	2977.3	3026.6	3055.0	3096.0	3146.2	3181.3
47.5°	3014.1	3038.3	3063.4	3096.0	3138.7	3176.3	3225.6	3262.4	3303.4	3344.3	3382.8
50°	3222.3	3258.2	3291.7	3325.9	3382.8	3414.6	3463.1	3501.5	3540.0	3580.9	3616.1
52.5°	3502.4	3556.7	3599.3	3622.7	3699.7	3731.4	3790.8	3817.6	3849.3	3886.1	3931.3
55°	4113.5	4198.0	4269.9	4311.7	4428.7	4470.5	4547.5	4586.7	4565.0	4611.8	4692.9
57.5°	5881.0	5984.7	6070.8	6127.6	6247.2	6305.7	6309.9	6457.1	6370.1	6456.2	6468.8
60°	8455.3	8537.2	8516.3	8517.2	8479.6	8425.2	8529.7	8370.9	8437.7	8441.9	8292.3
62.5°	10181.8	10056.4	9997.9	9900.9	9788.0	9701.1	9641.7	9513.8	9411.8	9330.7	9172.7
65°	10588.2	10370.8	10178.5	9997.0	9830.7	9715.3	9589.9	9452.8	9293.1	9158.4	9004.6
67.5°	10195.2	9890.9	9605.8	9366.6	9139.2	8987.1	8805.6	8675.2	8474.5	8297.3	8180.2
70°	9055.6	8634.2	8301.5	8148.5	7922.7	7595.8	7422.7	7259.7	7136.8	6976.3	6905.2
72.5°	6352.6	5832.5	5575.8	5585.9	5356.8	5122.7	5128.5	5029.0	4870.2	4865.2	4840.9
75°	2334.3	2123.6	1975.7	1982.4	1897.1	1805.9	1831.0	1857.8	1805.9	1911.3	1748.2
77.5°	371.2	361.2	357.8	350.3	331.9	345.3	336.1	353.7	356.2	375.4	377.1
80°	236.6	226.6	224.1	219.9	219.1	219.1	217.4	217.4	217.4	218.2	216.5
82.5°	158.0	152.2	151.3	148.8	153.0	153.8	154.7	161.4	167.2	168.9	175.6
85°	86.1	81.9	81.9	80.3	83.6	84.4	92.0	101.2	112.9	117.9	128.8
87.5°	43.5	46.0	45.1	46.8	49.3	55.2	61.0	66.9	73.6	82.8	90.3
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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CATALOG NUMBER: LDRL-T2-F06-E-8030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3	1161.3
2.5°	1158.8	1158.0	1158.0	1156.3	1156.3	1155.5	1153.8	1152.1	1144.6	1135.4	1129.5
5°	1176.4	1174.7	1173.9	1172.2	1169.7	1169.7	1167.2	1163.8	1149.6	1134.6	1125.4
7.5°	1212.3	1211.5	1209.0	1205.6	1202.3	1198.9	1197.3	1195.6	1173.9	1159.6	1153.0
10°	1264.2	1263.3	1257.5	1256.6	1251.6	1252.5	1248.3	1244.9	1230.7	1214.8	1205.6
12.5°	1330.2	1333.6	1330.2	1322.7	1324.4	1321.8	1317.7	1313.5	1300.9	1288.4	1274.2
15°	1412.1	1408.0	1404.6	1411.3	1405.5	1404.6	1407.1	1408.0	1392.9	1379.5	1359.5
17.5°	1514.1	1514.1	1512.5	1514.1	1510.8	1513.3	1511.6	1513.3	1506.6	1488.2	1459.0
20°	1630.4	1637.0	1637.0	1634.5	1633.7	1638.7	1641.2	1632.0	1633.7	1617.8	1565.1
22.5°	1765.8	1770.8	1772.5	1770.0	1770.8	1777.5	1781.7	1775.0	1790.1	1764.1	1683.0
25°	1905.4	1913.0	1909.6	1910.4	1917.1	1924.7	1932.2	1925.5	1954.8	1914.6	1808.4
27.5°	2043.4	2050.1	2048.4	2053.4	2064.3	2074.3	2082.7	2080.2	2128.7	2076.0	1940.5
30°	2173.8	2189.7	2193.0	2198.9	2212.3	2229.0	2242.4	2241.5	2304.2	2233.2	2048.4
32.5°	2334.3	2351.9	2358.6	2371.1	2397.0	2408.8	2425.5	2427.1	2489.9	2371.1	2139.5
35°	2520.0	2537.5	2551.7	2560.9	2590.2	2604.4	2621.1	2628.6	2670.4	2499.9	2203.1
37.5°	2663.8	2678.8	2706.4	2725.6	2751.5	2780.0	2799.2	2808.4	2831.8	2610.3	2232.3
40°	2820.9	2853.6	2880.3	2909.6	2938.0	2960.6	2978.1	2992.3	2983.1	2702.2	2219.8
42.5°	3019.9	3054.2	3090.2	3115.2	3130.3	3160.4	3168.8	3178.8	3103.5	2744.0	2162.9
45°	3227.3	3254.9	3285.0	3303.4	3323.4	3338.5	3341.0	3341.8	3193.0	2719.8	2060.1
47.5°	3427.1	3450.5	3471.4	3481.4	3491.5	3492.3	3488.1	3481.4	3240.7	2637.8	1936.4
50°	3646.2	3660.4	3669.6	3670.4	3679.6	3662.0	3650.3	3619.4	3235.6	2512.4	1805.9
52.5°	3961.4	3958.0	3946.3	3945.5	3916.2	3882.8	3861.0	3816.7	3201.4	2377.0	1655.4
55°	4685.4	4653.6	4690.4	4596.8	4519.0	4467.2	4344.3	4254.8	3235.6	2250.7	1482.4
57.5°	6425.3	6316.6	6328.3	6177.0	6011.4	5701.2	5518.1	5270.7	3504.9	2180.5	1264.2
60°	8260.5	8081.6	7912.7	7644.3	7292.3	6898.5	6544.0	6156.9	3772.4	2094.4	1031.7
62.5°	9018.0	8787.2	8493.8	8115.0	7662.7	7174.4	6684.5	6243.0	3625.3	1835.2	743.3
65°	8773.9	8497.9	8185.2	7691.1	7177.8	6610.1	6073.3	5606.8	3019.1	1341.9	449.0
67.5°	7906.8	7669.4	7284.0	6817.4	6182.0	5612.6	5081.7	4650.3	2225.7	829.4	257.5
70°	6657.7	6329.1	5999.7	5551.6	4881.9	4345.1	3851.0	3469.7	1412.1	409.7	189.8
72.5°	4595.1	4335.1	4071.7	3670.4	3170.4	2800.9	2376.1	2062.6	739.1	220.7	174.7
75°	1790.1	1761.6	1731.5	1549.3	1379.5	1105.3	970.7	875.4	307.7	191.5	172.2
77.5°	393.0	416.4	429.7	407.2	387.9	346.1	331.1	296.0	205.7	196.5	170.6
80°	216.5	216.5	216.5	219.1	214.9	214.9	212.4	208.2	192.3	196.5	167.2
82.5°	177.2	179.8	183.1	183.9	183.1	183.9	182.3	181.4	188.1	197.3	158.9
85°	135.4	143.8	148.8	155.5	162.2	166.4	168.1	168.9	173.1	187.3	138.8
87.5°	96.1	102.8	113.7	115.4	122.9	132.1	135.4	140.5	138.0	142.1	65.2
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: P146373

CATALOG NUMBER: LDRL-T2-F06-E-8030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	1161.3	1161.3	1161.3	1161.3	1161.3
2.5°	1124.5	1117.8	1115.3	1114.5	1112.8
5°	1117.8	1113.7	1110.3	1107.8	1109.5
7.5°	1147.9	1145.4	1139.6	1137.9	1140.4
10°	1201.5	1195.6	1187.2	1188.1	1187.2
12.5°	1268.3	1252.5	1239.1	1233.2	1229.0
15°	1336.9	1306.0	1278.4	1265.8	1260.8
17.5°	1413.0	1360.3	1317.7	1295.1	1290.9
20°	1493.2	1420.5	1365.3	1338.6	1334.4
22.5°	1586.0	1485.7	1415.5	1378.7	1372.8
25°	1676.3	1544.2	1450.6	1405.5	1397.9
27.5°	1758.3	1588.6	1471.5	1418.0	1410.5
30°	1826.8	1623.7	1489.1	1428.0	1419.7
32.5°	1872.0	1642.9	1494.9	1428.9	1418.8
35°	1886.2	1630.4	1469.8	1393.7	1385.4
37.5°	1856.1	1579.4	1402.9	1316.8	1310.1
40°	1787.5	1484.9	1297.6	1208.1	1199.8
42.5°	1680.5	1365.3	1175.5	1081.1	1073.5
45°	1561.8	1237.4	1045.9	951.5	943.9
47.5°	1432.2	1102.0	909.7	822.7	811.0
50°	1290.1	954.8	770.9	685.6	674.7
52.5°	1123.7	794.3	623.7	546.8	540.1
55°	928.9	632.9	496.6	440.6	433.9
57.5°	722.4	481.6	394.6	367.0	356.2
60°	524.2	366.2	314.4	301.0	295.1
62.5°	356.2	273.4	253.3	249.2	245.0
65°	241.6	214.0	208.2	209.0	206.5
67.5°	190.6	179.8	176.4	178.1	177.2
70°	167.2	158.9	158.0	159.7	158.9
72.5°	158.0	147.2	148.8	151.3	150.5
75°	153.8	142.1	145.5	147.2	143.0
77.5°	149.7	134.6	144.6	148.0	139.6
80°	143.8	127.9	151.3	149.7	133.8
82.5°	131.3	112.9	148.0	135.4	120.4
85°	107.0	84.4	166.4	119.6	87.8
87.5°	68.6	51.0	115.4	91.1	58.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)