

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: P146361

Luminaire Tested: **LDRL-T2-E05-E-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P146361
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-E05-E-7050
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (105) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15384.2 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

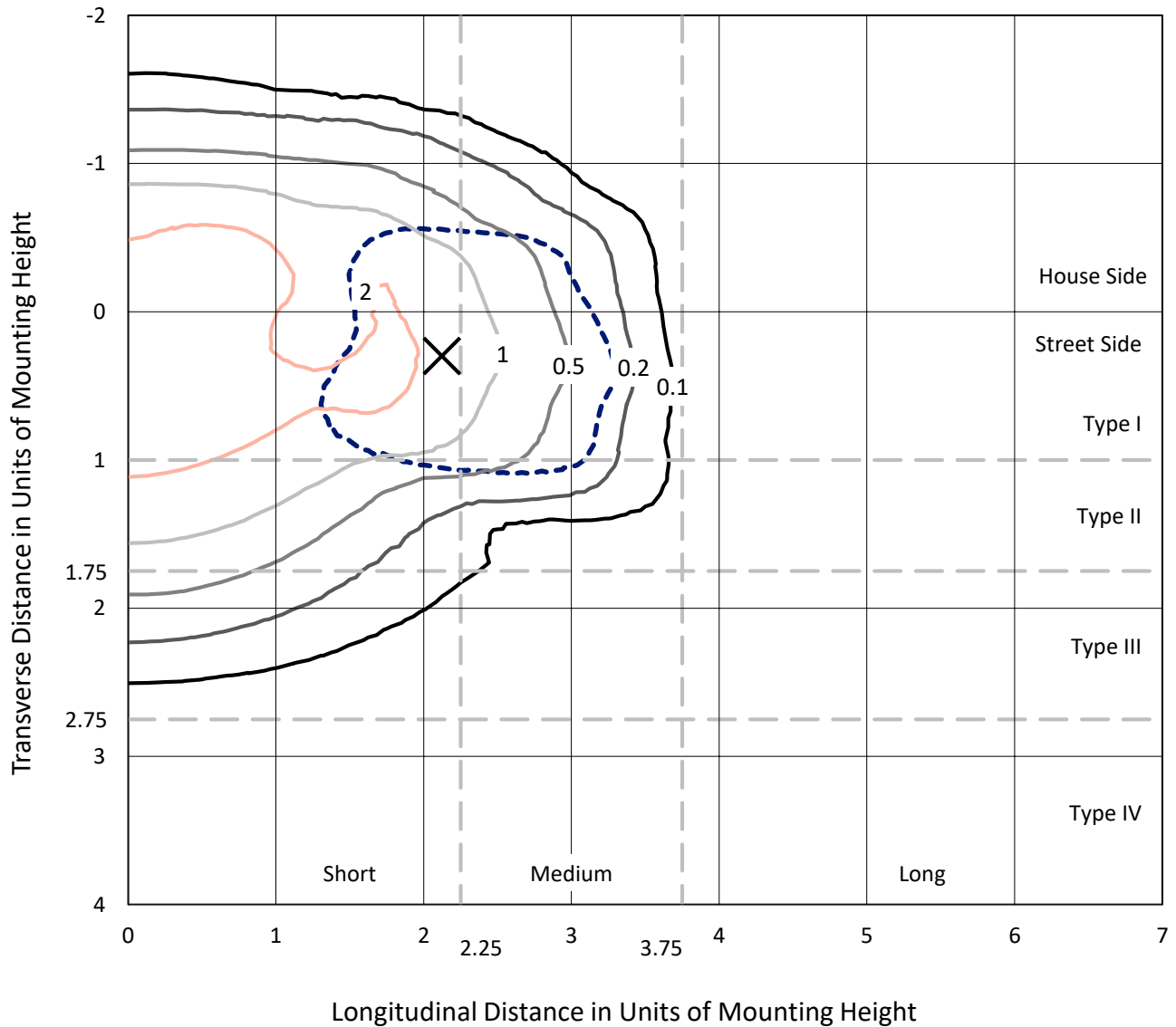
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

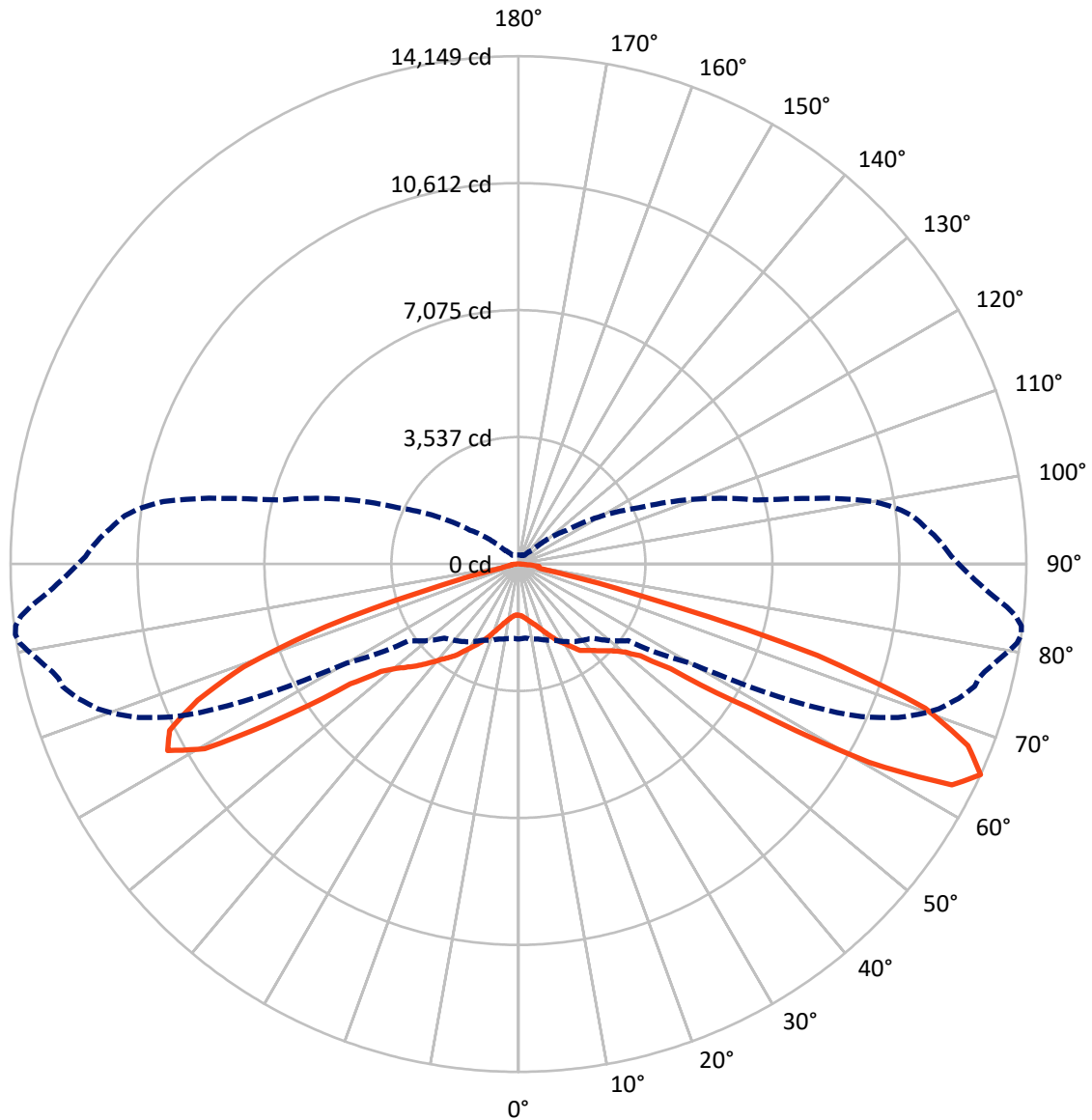
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	5663.0	0.0	5663.0
	% Fixture	36.8	0.0	36.8
Street Side	Lumens	9721.2	0.0	9721.2
	% Fixture	63.2	0.0	63.2
Total	Lumens	15384.2	0.0	15384.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.6	0.9
10°-20°	509.5	3.3
20°-30°	1010.5	6.6
30°-40°	1724.3	11.2
40°-50°	2585.5	16.8
50°-60°	3598.9	23.4
60°-70°	4134.6	26.9
70°-80°	1426.8	9.3
80°-90°	249.5	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°	15384.2	100.0
0°-180°	15384.2	100.0



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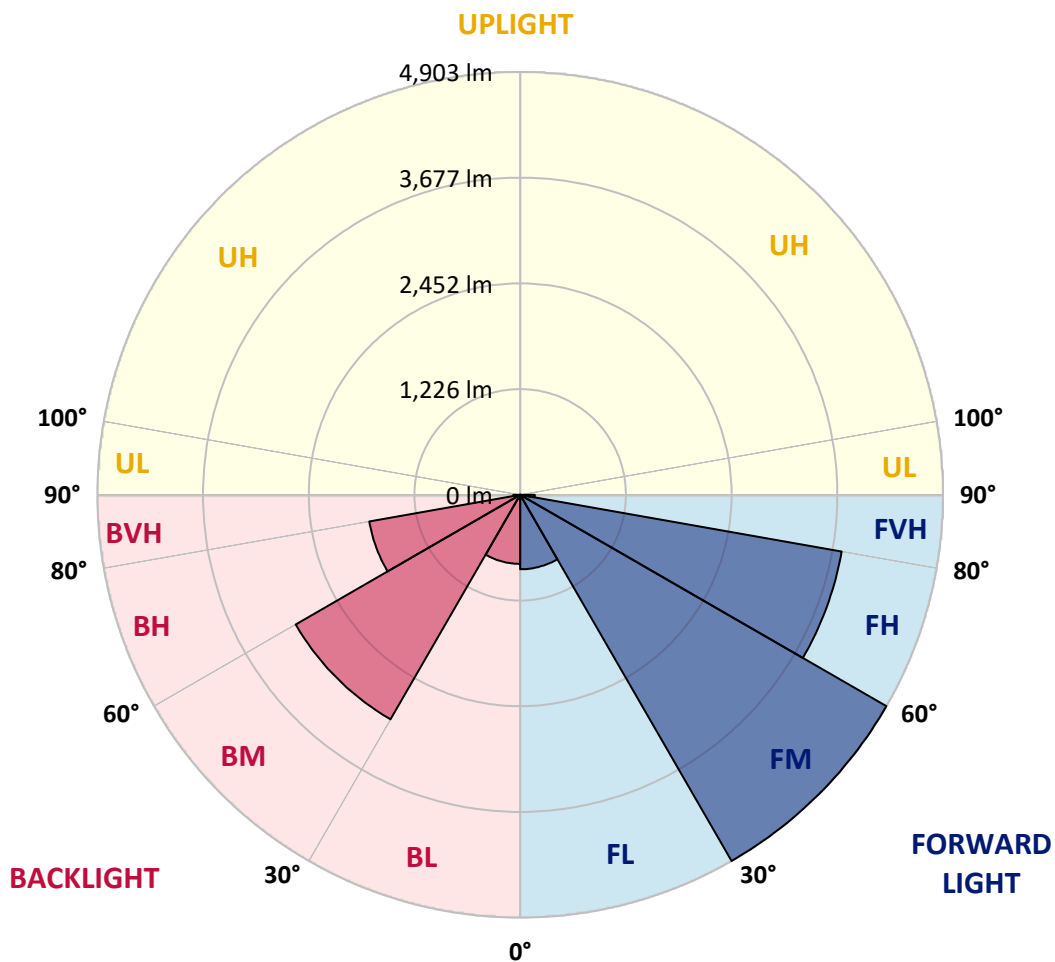
CATALOG NUMBER: LDRL-T2-E05-E-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	863.6	5.6			
FM (30°-60°)	4903.1	31.9			
FH (60°-80°)	3785.0	24.6			G2/5000
FVH (80°-90°)	169.5	1.1			G2/225
BL (0°-30°)	801.0	5.2	B2/1000		
BM (30°-60°)	3005.5	19.5	B3/5000		
BH (60°-80°)	1776.4	11.5	B3/2500		G3/2500
BVH (80°-90°)	80.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3
2.5°	1504.3	1503.2	1502.2	1498.1	1496.1	1487.9	1479.6	1474.5	1470.4	1472.5	1466.3
5°	1591.5	1591.5	1587.4	1582.3	1576.1	1564.8	1544.3	1534.0	1532.0	1532.0	1524.8
7.5°	1680.8	1686.9	1675.6	1671.5	1661.3	1643.8	1620.2	1606.9	1602.8	1602.8	1596.6
10°	1793.6	1790.6	1778.2	1770.0	1749.5	1725.9	1694.1	1678.7	1672.6	1677.7	1667.4
12.5°	1912.7	1911.6	1893.2	1877.8	1849.0	1811.1	1769.0	1748.5	1744.4	1744.4	1738.2
15°	2033.7	2034.8	2014.2	1985.5	1940.4	1889.1	1841.9	1822.4	1817.2	1815.2	1808.0
17.5°	2126.1	2136.4	2115.8	2078.9	2023.5	1967.0	1916.8	1897.3	1896.2	1894.2	1886.0
20°	2178.4	2180.5	2169.2	2142.5	2093.3	2038.9	2004.0	1994.7	1993.7	1994.7	1996.8
22.5°	2176.4	2179.4	2175.3	2165.1	2133.3	2103.5	2099.4	2104.5	2107.6	2104.5	2111.7
25°	2160.0	2164.1	2164.1	2169.2	2161.0	2171.2	2204.1	2218.4	2219.5	2221.5	2236.9
27.5°	2195.9	2200.0	2198.9	2208.2	2215.4	2251.3	2310.8	2336.4	2339.5	2346.7	2361.1
30°	2362.1	2363.1	2344.7	2343.6	2350.8	2379.5	2440.1	2469.8	2466.8	2481.1	2490.4
32.5°	2624.8	2633.0	2614.5	2595.0	2591.9	2596.0	2607.3	2627.9	2624.8	2632.0	2644.3
35°	2924.4	2925.4	2915.2	2926.5	2932.6	2904.9	2851.5	2846.4	2830.0	2833.1	2837.2
37.5°	3199.4	3206.6	3226.1	3297.9	3338.9	3271.2	3166.6	3100.9	3090.6	3085.5	3049.6
40°	3456.9	3492.9	3540.1	3633.4	3689.9	3714.5	3565.7	3433.3	3397.4	3383.1	3326.6
42.5°	3758.6	3777.1	3832.5	3939.2	4014.1	4126.0	4026.4	3880.7	3838.7	3777.1	3706.3
45°	4014.1	4026.4	4061.3	4151.6	4308.6	4495.4	4506.7	4405.1	4372.2	4310.7	4207.0
47.5°	4185.5	4184.5	4210.1	4298.4	4502.6	4787.8	4957.1	4953.0	4915.0	4893.5	4805.3
50°	4252.2	4251.2	4267.6	4366.1	4588.7	4962.2	5335.7	5464.0	5463.0	5471.2	5426.0
52.5°	4264.5	4263.5	4265.5	4344.5	4571.3	5022.8	5608.7	5911.4	5955.5	6010.9	6061.2
55°	4172.1	4182.4	4205.0	4288.1	4505.6	4998.2	5810.8	6331.1	6436.8	6549.6	6732.3
57.5°	3958.7	3978.2	4056.2	4205.0	4435.9	4937.6	5951.4	6850.3	7064.7	7337.7	7832.3
60°	3652.9	3670.4	3778.1	3975.1	4232.7	4673.9	5788.3	7067.8	7475.2	7949.2	8963.0
62.5°	3112.2	3161.4	3218.9	3358.4	3628.3	3983.3	5055.6	6700.5	7331.5	8027.2	9422.7
65°	2090.2	2069.7	2165.1	2342.6	2639.1	2915.2	3724.8	5526.6	6324.9	7282.3	9009.2
67.5°	1293.9	1297.0	1361.6	1535.1	1758.7	1973.2	2361.1	3522.6	4230.6	5140.8	7217.6
70°	1069.2	1081.5	1133.8	1294.9	1485.8	1728.0	1752.6	1867.5	2184.6	2624.8	4458.4
72.5°	848.6	853.7	907.1	1041.5	1311.4	1643.8	2080.9	1419.1	1394.5	1461.2	2261.5
75°	526.4	530.5	557.2	643.4	850.6	1280.6	2291.3	1631.5	1528.9	1442.7	1457.1
77.5°	271.9	280.1	294.5	333.5	446.4	715.2	1803.9	2068.6	1951.7	1834.7	1605.9
80°	153.9	153.9	167.3	176.5	211.4	291.4	917.3	2239.0	2446.2	2496.5	2242.0
82.5°	68.7	77.0	103.6	110.8	121.1	133.4	303.7	1345.2	1866.5	2331.3	2881.3
85°	41.0	40.0	65.7	71.8	74.9	63.6	113.9	549.0	872.2	1276.5	1909.6
87.5°	16.4	17.4	27.7	29.8	34.9	25.7	43.1	118.0	173.4	251.4	355.0
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°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3
2.5°	1465.3	1465.3	1464.3	1463.2	1462.2	1459.1	1458.1	1456.0	1455.0	1451.9	1450.9
5°	1523.8	1520.7	1519.7	1517.6	1516.6	1512.5	1512.5	1508.4	1505.3	1501.2	1500.2
7.5°	1593.5	1589.4	1586.4	1584.3	1583.3	1576.1	1576.1	1569.9	1568.9	1563.8	1561.7
10°	1664.3	1661.3	1657.2	1655.1	1654.1	1650.0	1645.9	1641.8	1638.7	1635.6	1631.5
12.5°	1735.1	1729.0	1726.9	1723.9	1721.8	1718.7	1717.7	1708.5	1708.5	1705.4	1701.3
15°	1803.9	1802.9	1795.7	1794.7	1792.6	1793.6	1787.5	1788.5	1785.4	1780.3	1778.2
17.5°	1888.0	1880.9	1883.9	1878.8	1879.8	1877.8	1875.7	1874.7	1876.7	1875.7	1877.8
20°	1992.7	1990.6	1993.7	1986.5	1993.7	1994.7	1992.7	1997.8	1995.8	1997.8	1991.7
22.5°	2116.9	2109.7	2109.7	2114.8	2117.9	2127.1	2122.0	2126.1	2130.2	2133.3	2129.2
25°	2242.0	2240.0	2244.1	2248.2	2254.4	2262.6	2260.5	2261.5	2269.7	2274.9	2275.9
27.5°	2369.3	2369.3	2381.6	2381.6	2389.8	2399.0	2402.1	2406.2	2412.4	2419.6	2419.6
30°	2500.6	2500.6	2511.9	2522.2	2526.3	2537.6	2543.7	2549.9	2561.2	2563.2	2572.4
32.5°	2650.4	2653.5	2664.8	2671.0	2680.2	2693.5	2695.6	2702.8	2716.1	2720.2	2727.4
35°	2845.4	2835.1	2845.4	2856.7	2861.8	2857.7	2880.3	2889.5	2898.7	2903.9	2913.1
37.5°	3046.5	3029.1	3030.1	3028.0	3015.7	3022.9	3022.9	3020.9	3027.0	3026.0	3030.1
40°	3301.0	3270.2	3261.0	3241.5	3214.8	3200.4	3185.0	3183.0	3167.6	3173.7	3162.5
42.5°	3649.9	3603.7	3579.1	3518.5	3485.7	3446.7	3408.7	3375.9	3358.4	3338.9	3324.6
45°	4129.0	4074.7	4015.2	3917.7	3861.2	3783.3	3733.0	3658.1	3607.8	3565.7	3536.0
47.5°	4730.3	4639.0	4590.8	4499.5	4401.0	4283.0	4175.2	4070.6	3985.4	3893.0	3820.2
50°	5429.1	5315.2	5277.3	5156.2	5100.8	4968.4	4853.5	4724.2	4590.8	4451.2	4317.9
52.5°	6047.9	6034.5	6049.9	5968.9	5966.8	5900.1	5772.9	5622.0	5497.9	5357.3	5181.8
55°	6789.7	6922.1	6950.8	6939.6	7000.1	6998.0	6985.7	6970.3	6871.8	6672.8	6612.2
57.5°	8099.1	8247.8	8467.4	8567.0	8786.5	8812.2	9015.4	8936.4	9087.2	9046.1	9073.9
60°	9432.0	9888.6	10305.2	10622.2	10930.1	11210.2	11552.9	11699.7	11809.4	11980.8	12161.4
62.5°	10028.1	10603.8	11100.4	11551.9	11934.6	12289.7	12584.2	12863.3	13082.8	13279.9	13431.7
65°	9787.0	10455.0	10939.3	11410.3	11767.4	12097.8	12390.2	12599.5	12818.1	12996.7	13157.8
67.5°	8148.3	9037.9	9670.0	10204.6	10653.0	11029.6	11333.3	11621.7	11776.6	11971.6	12058.8
70°	5397.3	6538.3	7432.1	8154.5	8865.6	9292.4	9652.6	9988.1	10164.6	10322.6	10420.1
72.5°	2964.4	3744.3	4698.5	5557.4	6240.8	6801.0	7220.7	7538.8	7720.4	7855.9	7715.3
75°	1679.7	2064.5	2531.4	3006.5	3524.7	3919.7	4030.5	4166.0	4197.8	4128.0	3947.4
77.5°	1544.3	1544.3	1545.3	1534.0	1556.6	1584.3	1567.9	1540.2	1415.0	1387.3	1348.3
80°	2008.1	1789.5	1555.6	1277.5	1041.5	878.3	828.1	832.2	872.2	950.2	1036.4
82.5°	2846.4	2630.9	2293.3	1869.6	1487.9	1167.7	957.4	860.9	859.9	937.9	1049.7
85°	2075.8	2093.3	2018.3	1785.4	1424.2	1121.5	906.1	695.7	628.0	628.0	619.8
87.5°	363.2	374.5	323.2	289.4	202.1	142.6	128.3	112.9	111.8	115.9	106.7
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°	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3
2.5°	1450.9	1448.9	1446.8	1445.8	1445.8	1443.7	1443.7	1441.7	1442.7	1441.7	1438.6
5°	1498.1	1497.1	1494.0	1488.9	1487.9	1483.7	1484.8	1480.7	1480.7	1478.6	1473.5
7.5°	1557.6	1555.6	1553.5	1549.4	1545.3	1545.3	1538.1	1538.1	1533.0	1530.9	1526.8
10°	1628.4	1622.3	1619.2	1615.1	1614.1	1613.0	1605.9	1605.9	1599.7	1598.7	1595.6
12.5°	1698.2	1694.1	1691.0	1689.0	1683.8	1682.8	1679.7	1676.7	1673.6	1671.5	1670.5
15°	1774.1	1772.1	1769.0	1769.0	1769.0	1763.9	1760.8	1758.7	1758.7	1755.7	1757.7
17.5°	1872.6	1875.7	1871.6	1869.6	1866.5	1871.6	1866.5	1866.5	1869.6	1869.6	1862.4
20°	1994.7	1998.9	1994.7	1995.8	1993.7	1994.7	1995.8	1997.8	2001.9	1994.7	1995.8
22.5°	2130.2	2131.2	2134.3	2131.2	2136.4	2133.3	2139.4	2144.6	2143.5	2141.5	2142.5
25°	2278.0	2274.9	2275.9	2285.1	2292.3	2290.3	2291.3	2299.5	2297.5	2295.4	2296.4
27.5°	2427.8	2425.7	2428.8	2437.0	2445.2	2444.2	2442.1	2448.3	2448.3	2443.2	2445.2
30°	2576.6	2579.6	2584.8	2584.8	2588.9	2593.0	2589.9	2597.1	2598.1	2594.0	2599.1
32.5°	2733.5	2739.7	2737.6	2752.0	2752.0	2753.0	2756.1	2755.1	2765.4	2757.1	2760.2
35°	2922.3	2924.4	2936.7	2947.0	2953.1	2958.3	2958.3	2961.3	2966.5	2962.4	2968.5
37.5°	3037.3	3041.4	3045.5	3051.6	3051.6	3051.6	3056.8	3057.8	3060.9	3059.8	3061.9
40°	3163.5	3164.5	3165.5	3166.6	3170.7	3172.7	3167.6	3174.8	3169.6	3171.7	3174.8
42.5°	3316.4	3302.0	3304.1	3301.0	3308.2	3298.9	3301.0	3309.2	3305.1	3311.2	3311.2
45°	3493.9	3477.5	3463.1	3454.9	3454.9	3442.6	3444.6	3447.7	3452.8	3461.1	3475.4
47.5°	3756.6	3700.1	3672.4	3643.7	3629.3	3613.9	3619.1	3620.1	3622.2	3635.5	3671.4
50°	4186.5	4092.1	4019.3	3932.0	3899.2	3872.5	3857.1	3858.2	3858.2	3885.9	3921.8
52.5°	5017.7	4842.2	4668.8	4516.9	4386.6	4324.0	4251.2	4232.7	4233.7	4257.3	4281.9
55°	6453.2	6212.0	6028.4	5690.8	5588.2	5299.8	5148.0	5060.8	4993.0	5025.9	5061.8
57.5°	9028.7	8806.0	8660.3	8257.1	7889.7	7785.1	7535.7	7333.6	7250.5	7154.0	7160.2
60°	12188.1	12073.2	12036.2	11800.2	11667.8	11256.4	11223.5	10968.0	10726.9	10518.6	10603.8
62.5°	13548.7	13602.1	13645.2	13728.3	13760.1	13721.1	13555.9	13443.0	13245.0	12972.0	12804.8
65°	13205.0	13327.1	13510.7	13684.1	13891.4	14063.8	14149.0	14116.1	13937.6	13656.4	13305.5
67.5°	12121.4	12245.5	12403.6	12623.1	12940.2	13275.8	13509.7	13658.5	13516.9	13263.4	12906.4
70°	10415.0	10536.1	10541.2	10848.0	11189.7	11612.4	12027.0	12182.9	12021.9	11852.5	11553.9
72.5°	7800.5	7727.6	7795.3	7851.8	8046.7	8313.5	8715.7	8698.3	8452.0	8320.7	7862.0
75°	3666.3	3617.0	3545.2	3498.0	3452.8	3358.4	3403.6	3210.7	3144.0	3170.7	2774.6
77.5°	1318.5	1250.8	1142.1	1036.4	903.0	748.0	631.1	554.1	516.1	517.2	493.6
80°	1106.1	1139.0	1123.6	1018.9	869.1	707.0	529.5	401.2	342.7	318.1	302.7
82.5°	1199.5	1364.7	1446.8	1382.2	1167.7	898.9	578.7	349.9	256.5	219.6	210.4
85°	664.9	665.9	645.4	616.7	546.9	375.6	250.4	166.2	133.4	119.0	114.9
87.5°	112.9	107.7	107.7	100.6	88.2	86.2	77.0	72.9	64.6	59.5	57.5
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-E05-E-7050

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3
2.5°	1435.5	1433.5	1432.4	1431.4	1431.4	1430.4	1430.4	1428.3	1426.3	1425.3	1424.2
5°	1468.4	1466.3	1464.3	1462.2	1462.2	1460.1	1458.1	1456.0	1453.0	1447.8	1446.8
7.5°	1523.8	1519.7	1519.7	1512.5	1512.5	1508.4	1505.3	1505.3	1501.2	1493.0	1492.0
10°	1592.5	1585.3	1582.3	1578.2	1576.1	1572.0	1572.0	1567.9	1565.8	1562.8	1552.5
12.5°	1666.4	1661.3	1659.2	1654.1	1651.0	1651.0	1649.0	1641.8	1646.9	1639.7	1634.6
15°	1755.7	1754.6	1745.4	1748.5	1747.5	1746.4	1747.5	1741.3	1740.3	1740.3	1734.1
17.5°	1867.5	1859.3	1860.3	1860.3	1862.4	1862.4	1854.2	1858.3	1859.3	1857.3	1855.2
20°	1998.9	1995.8	1998.9	1992.7	1998.9	1998.9	2003.0	2001.9	2003.0	2005.0	2005.0
22.5°	2139.4	2147.6	2148.7	2150.7	2143.5	2155.8	2155.8	2157.9	2163.0	2163.0	2165.1
25°	2309.8	2305.7	2300.5	2307.7	2309.8	2318.0	2320.0	2320.0	2328.2	2328.2	2331.3
27.5°	2451.4	2455.5	2454.4	2458.5	2456.5	2467.8	2471.9	2484.2	2481.1	2487.3	2495.5
30°	2597.1	2605.3	2601.2	2602.2	2607.3	2614.5	2622.7	2635.0	2637.1	2653.5	2657.6
32.5°	2765.4	2771.5	2776.6	2778.7	2778.7	2791.0	2804.3	2808.5	2830.0	2842.3	2856.7
35°	2978.8	2979.8	2982.9	2986.0	2983.9	2997.3	3010.6	3014.7	3037.3	3040.4	3070.1
37.5°	3069.1	3071.1	3083.4	3089.6	3093.7	3110.1	3134.8	3153.2	3177.8	3201.4	3235.3
40°	3182.0	3194.3	3205.6	3214.8	3230.2	3252.8	3290.7	3309.2	3346.1	3390.3	3423.1
42.5°	3324.6	3347.2	3355.4	3372.8	3410.8	3438.5	3476.4	3516.5	3565.7	3619.1	3658.1
45°	3493.9	3515.4	3546.2	3565.7	3609.8	3654.0	3714.5	3749.4	3799.7	3861.2	3904.3
47.5°	3699.1	3728.9	3759.7	3799.7	3852.0	3898.2	3958.7	4003.9	4054.1	4104.4	4151.6
50°	3954.6	3998.7	4039.8	4081.8	4151.6	4190.6	4250.1	4297.3	4344.5	4394.8	4437.9
52.5°	4298.4	4365.1	4417.4	4446.1	4540.5	4579.5	4652.4	4685.2	4724.2	4769.3	4824.7
55°	5048.4	5152.1	5240.3	5291.6	5435.3	5486.6	5581.0	5629.2	5602.5	5660.0	5759.5
57.5°	7217.6	7344.9	7450.6	7520.3	7667.1	7738.9	7744.0	7924.6	7817.9	7923.6	7939.0
60°	10377.0	10477.6	10451.9	10452.9	10406.8	10340.1	10468.3	10273.4	10355.5	10360.6	10176.9
62.5°	12495.9	12342.0	12270.2	12151.1	12012.6	11905.9	11833.0	11676.1	11550.9	11451.3	11257.4
65°	12994.6	12727.8	12491.8	12269.1	12064.9	11923.3	11769.4	11601.1	11405.2	11240.0	11051.2
67.5°	12512.3	12138.8	11788.9	11495.5	11216.4	11029.6	10806.9	10646.9	10400.6	10183.1	10039.4
70°	11113.7	10596.6	10188.2	10000.4	9723.4	9322.2	9109.8	8909.7	8758.8	8561.8	8474.6
72.5°	7796.3	7158.1	6843.1	6855.4	6574.3	6286.9	6294.1	6172.0	5977.1	5970.9	5941.2
75°	2864.9	2606.3	2424.7	2432.9	2328.2	2216.4	2247.2	2280.0	2216.4	2345.7	2145.6
77.5°	455.6	443.3	439.2	429.9	407.4	423.8	412.5	434.0	437.1	460.7	462.8
80°	290.4	278.1	275.0	269.9	268.8	268.8	266.8	266.8	266.8	267.8	265.8
82.5°	193.9	186.8	185.7	182.6	187.8	188.8	189.8	198.0	205.2	207.3	215.5
85°	105.7	100.6	100.6	98.5	102.6	103.6	112.9	124.2	138.5	144.7	158.0
87.5°	53.4	56.4	55.4	57.5	60.5	67.7	74.9	82.1	90.3	101.6	110.8
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-E05-E-7050

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3	1425.3
2.5°	1422.2	1421.2	1421.2	1419.1	1419.1	1418.1	1416.0	1414.0	1404.7	1393.5	1386.3
5°	1443.7	1441.7	1440.7	1438.6	1435.5	1435.5	1432.4	1428.3	1410.9	1392.4	1381.1
7.5°	1487.9	1486.8	1483.7	1479.6	1475.5	1471.4	1469.4	1467.3	1440.7	1423.2	1415.0
10°	1551.5	1550.4	1543.3	1542.2	1536.1	1537.1	1532.0	1527.9	1510.4	1490.9	1479.6
12.5°	1632.5	1636.6	1632.5	1623.3	1625.4	1622.3	1617.1	1612.0	1596.6	1581.2	1563.8
15°	1733.1	1728.0	1723.9	1732.1	1724.9	1723.9	1726.9	1728.0	1709.5	1693.1	1668.4
17.5°	1858.3	1858.3	1856.2	1858.3	1854.2	1857.3	1855.2	1857.3	1849.0	1826.5	1790.6
20°	2000.9	2009.1	2009.1	2006.0	2005.0	2011.2	2014.2	2003.0	2005.0	1985.5	1920.9
22.5°	2167.1	2173.3	2175.3	2172.3	2173.3	2181.5	2186.6	2178.4	2196.9	2165.1	2065.6
25°	2338.5	2347.7	2343.6	2344.7	2352.9	2362.1	2371.3	2363.1	2399.0	2349.8	2219.5
27.5°	2507.8	2516.0	2514.0	2520.1	2533.5	2545.8	2556.0	2553.0	2612.5	2547.8	2381.6
30°	2667.9	2687.4	2691.5	2698.7	2715.1	2735.6	2752.0	2751.0	2827.9	2740.7	2514.0
32.5°	2864.9	2886.4	2894.6	2910.0	2941.8	2956.2	2976.7	2978.8	3055.7	2910.0	2625.8
35°	3092.7	3114.2	3131.7	3143.0	3178.9	3196.3	3216.8	3226.1	3277.4	3068.1	2703.8
37.5°	3269.2	3287.6	3321.5	3345.1	3376.9	3411.8	3435.4	3446.7	3475.4	3203.5	2739.7
40°	3462.1	3502.1	3534.9	3570.8	3605.7	3633.4	3655.0	3672.4	3661.1	3316.4	2724.3
42.5°	3706.3	3748.4	3792.5	3823.3	3841.7	3878.7	3888.9	3901.3	3808.9	3367.7	2654.5
45°	3960.8	3994.6	4031.6	4054.1	4078.8	4097.2	4100.3	4101.3	3918.7	3337.9	2528.3
47.5°	4206.0	4234.7	4260.4	4272.7	4285.0	4286.0	4280.9	4272.7	3977.2	3237.4	2376.5
50°	4474.8	4492.3	4503.6	4504.6	4515.9	4494.3	4480.0	4442.0	3971.0	3083.4	2216.4
52.5°	4861.7	4857.6	4843.2	4842.2	4806.3	4765.2	4738.6	4684.2	3929.0	2917.2	2031.7
55°	5750.3	5711.3	5756.5	5641.5	5546.1	5482.5	5331.6	5221.9	3971.0	2762.3	1819.3
57.5°	7885.6	7752.2	7766.6	7580.9	7377.7	6997.0	6772.3	6468.6	4301.4	2676.1	1551.5
60°	10137.9	9918.3	9711.1	9381.7	8949.7	8466.4	8031.3	7556.2	4629.8	2570.4	1266.2
62.5°	11067.6	10784.4	10424.2	9959.4	9404.3	8805.0	8203.7	7661.9	4449.2	2252.3	912.2
65°	10768.0	10429.3	10045.6	9439.1	8809.1	8112.4	7453.6	6881.1	3705.3	1646.9	551.0
67.5°	9703.9	9412.5	8939.4	8366.9	7587.0	6888.2	6236.7	5707.2	2731.5	1017.9	316.0
70°	8170.9	7767.6	7363.3	6813.3	5991.4	5332.7	4726.2	4258.3	1733.1	502.8	232.9
72.5°	5639.5	5320.4	4997.1	4504.6	3891.0	3437.5	2916.2	2531.4	907.1	270.9	214.5
75°	2196.9	2162.0	2125.1	1901.4	1693.1	1356.5	1191.3	1074.3	377.6	235.0	211.4
77.5°	482.3	511.0	527.4	499.7	476.1	424.8	406.3	363.2	252.4	241.1	209.3
80°	265.8	265.8	265.8	268.8	263.7	263.7	260.6	255.5	236.0	241.1	205.2
82.5°	217.5	220.6	224.7	225.7	224.7	225.7	223.7	222.7	230.9	242.2	195.0
85°	166.2	176.5	182.6	190.9	199.1	204.2	206.2	207.3	212.4	229.8	170.3
87.5°	118.0	126.2	139.6	141.6	150.8	162.1	166.2	172.4	169.3	174.4	80.0
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: P146361

CATALOG NUMBER: LDRL-T2-E05-E-7050

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	1425.3	1425.3	1425.3	1425.3	1425.3
2.5°	1380.1	1371.9	1368.8	1367.8	1365.7
5°	1371.9	1366.8	1362.7	1359.6	1361.6
7.5°	1408.8	1405.8	1398.6	1396.5	1399.6
10°	1474.5	1467.3	1457.1	1458.1	1457.1
12.5°	1556.6	1537.1	1520.7	1513.5	1508.4
15°	1640.7	1602.8	1568.9	1553.5	1547.4
17.5°	1734.1	1669.5	1617.1	1589.4	1584.3
20°	1832.6	1743.4	1675.6	1642.8	1637.7
22.5°	1946.5	1823.4	1737.2	1692.0	1684.9
25°	2057.3	1895.2	1780.3	1724.9	1715.6
27.5°	2157.9	1949.6	1805.9	1740.3	1731.0
30°	2242.0	1992.7	1827.5	1752.6	1742.3
32.5°	2297.5	2016.3	1834.7	1753.6	1741.3
35°	2314.9	2000.9	1803.9	1710.5	1700.3
37.5°	2278.0	1938.3	1721.8	1616.1	1607.9
40°	2193.8	1822.4	1592.5	1482.7	1472.5
42.5°	2062.5	1675.6	1442.7	1326.8	1317.5
45°	1916.8	1518.6	1283.7	1167.7	1158.5
47.5°	1757.7	1352.4	1116.4	1009.7	995.3
50°	1583.3	1171.8	946.1	841.4	828.1
52.5°	1379.1	974.8	765.5	671.1	662.9
55°	1140.0	776.8	609.5	540.8	532.5
57.5°	886.6	591.0	484.3	450.5	437.1
60°	643.4	449.4	385.8	369.4	362.2
62.5°	437.1	335.5	310.9	305.8	300.6
65°	296.5	262.7	255.5	256.5	253.4
67.5°	234.0	220.6	216.5	218.6	217.5
70°	205.2	195.0	193.9	196.0	195.0
72.5°	193.9	180.6	182.6	185.7	184.7
75°	188.8	174.4	178.5	180.6	175.5
77.5°	183.7	165.2	177.5	181.6	171.4
80°	176.5	157.0	185.7	183.7	164.2
82.5°	161.1	138.5	181.6	166.2	147.8
85°	131.3	103.6	204.2	146.7	107.7
87.5°	84.1	62.6	141.6	111.8	71.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)