

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: P146376

Luminaire Tested: **LDRL-T2-F06-E-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P146376  
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-7050  
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (42) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15240.1 lumens  
Efficiency: N/A  
Efficacy: 97.4 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

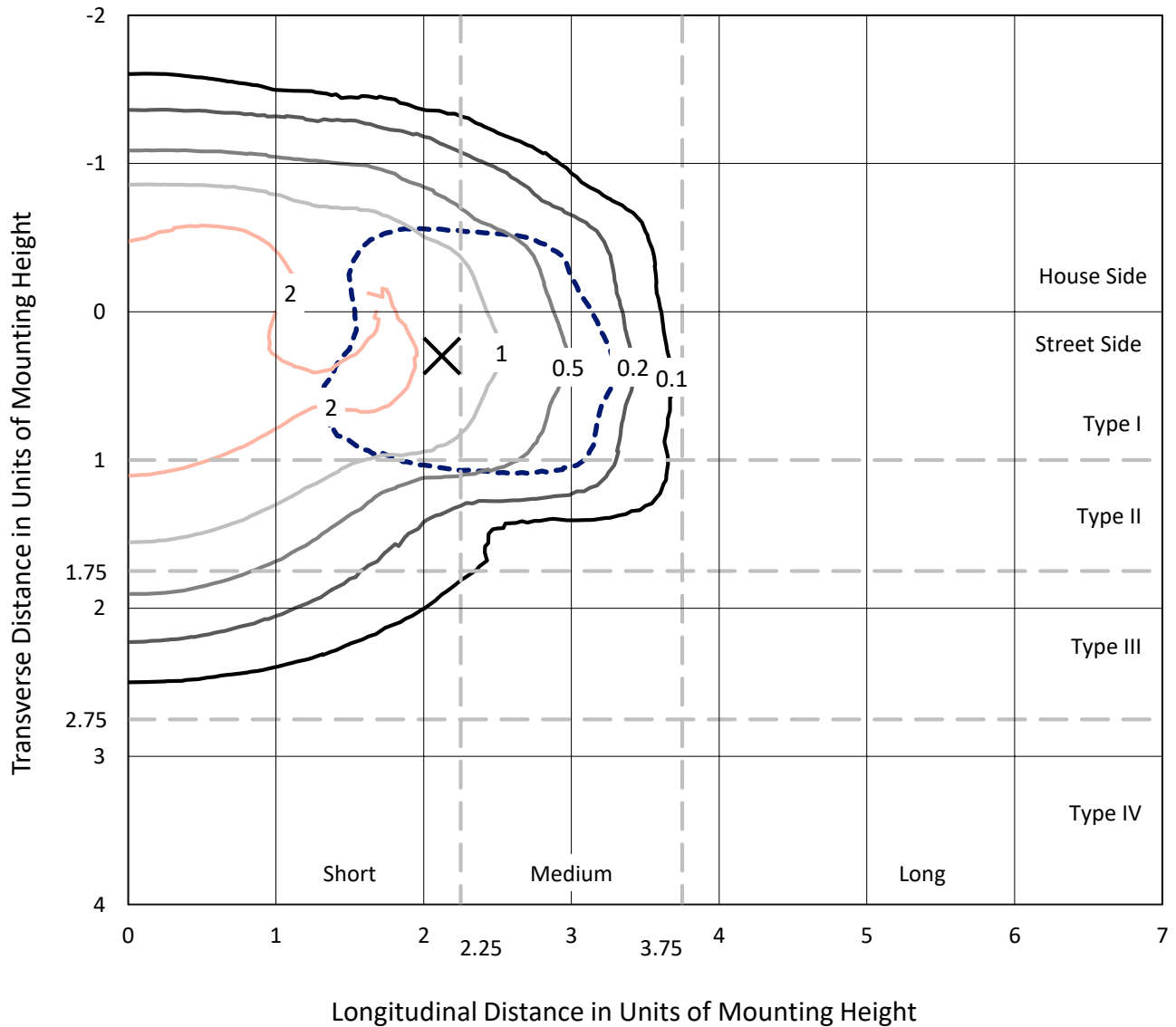
Input Watts (W): 156.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

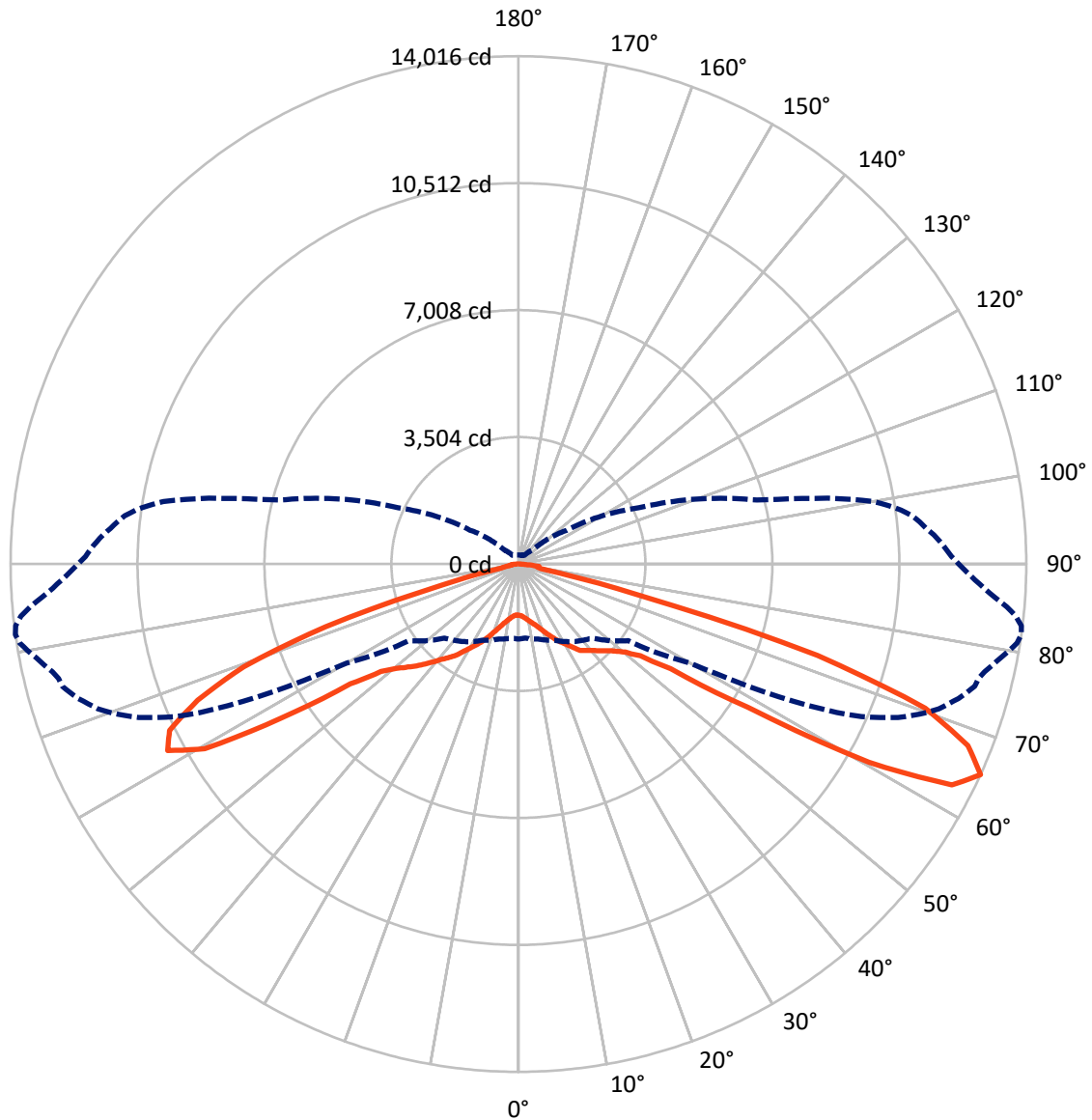
× Max cd  
 - - - 1/2 Max cd



Based on 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
<b>House Side</b>	Lumens	5610.0	0.0	5610.0
	% Fixture	36.8	0.0	36.8
<b>Street Side</b>	Lumens	9630.1	0.0	9630.1
	% Fixture	63.2	0.0	63.2
<b>Total</b>	Lumens	15240.1	0.0	15240.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.2	0.9
10°-20°	504.7	3.3
20°-30°	1001.1	6.6
30°-40°	1708.1	11.2
40°-50°	2561.3	16.8
50°-60°	3565.2	23.4
60°-70°	4095.9	26.9
70°-80°	1413.4	9.3
80°-90°	247.2	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°	15240.1	100.0
0°-180°	15240.1	100.0



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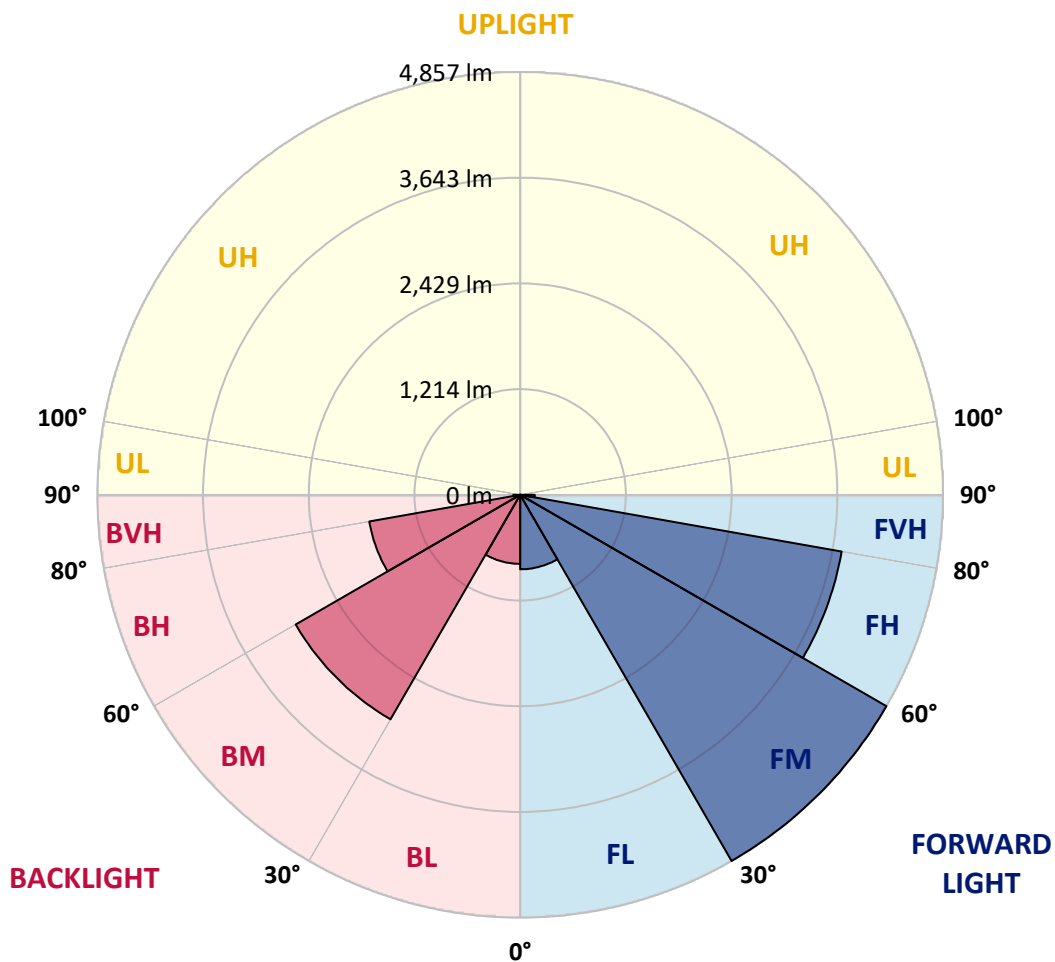
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	855.5	5.6			
FM	(30°-60°)	4857.2	31.9			
FH	(60°-80°)	3749.6	24.6			G2/5000
FVH	(80°-90°)	167.9	1.1			G2/225
BL	(0°-30°)	793.5	5.2	B2/1000		
BM	(30°-60°)	2977.4	19.5	B3/5000		
BH	(60°-80°)	1759.8	11.5	B3/2500		G3/2500
BVH	(80°-90°)	79.3	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°	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9
2.5°	1490.2	1489.2	1488.1	1484.1	1482.0	1473.9	1465.8	1460.7	1456.6	1458.7	1452.6
5°	1576.6	1576.6	1572.5	1567.4	1561.3	1550.1	1529.8	1519.7	1517.6	1517.6	1510.5
7.5°	1665.0	1671.1	1659.9	1655.9	1645.7	1628.4	1605.0	1591.8	1587.8	1587.8	1581.7
10°	1776.8	1773.8	1761.6	1753.4	1733.1	1709.7	1678.2	1663.0	1656.9	1662.0	1651.8
12.5°	1894.7	1893.7	1875.4	1860.2	1831.7	1794.1	1752.4	1732.1	1728.0	1728.0	1721.9
15°	2014.7	2015.7	1995.4	1966.9	1922.2	1871.4	1824.6	1805.3	1800.2	1798.2	1791.1
17.5°	2106.2	2116.3	2096.0	2059.4	2004.5	1948.6	1898.8	1879.5	1878.5	1876.4	1868.3
20°	2158.0	2160.0	2148.9	2122.4	2073.6	2019.8	1985.2	1976.1	1975.0	1976.1	1978.1
22.5°	2156.0	2159.0	2155.0	2144.8	2113.3	2083.8	2079.7	2084.8	2087.9	2084.8	2091.9
25°	2139.7	2143.8	2143.8	2148.9	2140.7	2150.9	2183.4	2197.7	2198.7	2200.7	2215.9
27.5°	2175.3	2179.4	2178.3	2187.5	2194.6	2230.2	2289.1	2314.5	2317.6	2324.7	2338.9
30°	2340.0	2341.0	2322.7	2321.7	2328.8	2357.2	2417.2	2446.7	2443.6	2457.9	2467.0
32.5°	2600.2	2608.3	2590.0	2570.7	2567.7	2571.7	2582.9	2603.2	2600.2	2607.3	2619.5
35°	2897.0	2898.0	2887.9	2899.0	2905.1	2877.7	2824.8	2819.7	2803.5	2806.5	2810.6
37.5°	3169.4	3176.5	3195.8	3267.0	3307.7	3240.6	3136.9	3071.8	3061.7	3056.6	3021.0
40°	3424.6	3460.1	3506.9	3599.4	3655.3	3679.7	3532.3	3401.2	3365.6	3351.4	3295.5
42.5°	3723.4	3741.7	3796.6	3902.3	3976.5	4087.3	3988.7	3844.4	3802.7	3741.7	3671.6
45°	3976.5	3988.7	4023.3	4112.7	4268.2	4453.2	4464.4	4363.8	4331.3	4270.3	4167.6
47.5°	4146.3	4145.2	4170.7	4258.1	4460.4	4742.9	4910.7	4906.6	4869.0	4847.6	4760.2
50°	4212.3	4211.3	4227.6	4325.2	4545.7	4915.7	5285.8	5412.8	5411.8	5419.9	5375.2
52.5°	4224.5	4223.5	4225.6	4303.8	4528.5	4975.7	5556.1	5856.0	5899.7	5954.6	6004.4
55°	4133.1	4143.2	4165.6	4247.9	4463.4	4951.3	5756.4	6271.7	6376.4	6488.3	6669.2
57.5°	3921.6	3940.9	4018.2	4165.6	4394.3	4891.4	5895.6	6786.1	6998.5	7268.9	7758.9
60°	3618.7	3636.0	3742.7	3937.9	4193.0	4630.1	5734.0	7001.6	7405.1	7874.8	8879.0
62.5°	3083.0	3131.8	3188.7	3327.0	3594.3	3946.0	5008.2	6637.7	7262.8	7952.0	9334.4
65°	2070.6	2050.3	2144.8	2320.6	2614.4	2887.9	3689.9	5474.8	6265.6	7214.0	8924.8
67.5°	1281.8	1284.8	1348.9	1520.7	1742.3	1954.7	2338.9	3489.6	4191.0	5092.6	7150.0
70°	1059.2	1071.4	1123.2	1282.8	1471.9	1711.8	1736.2	1850.0	2164.1	2600.2	4416.7
72.5°	840.6	845.7	898.6	1031.7	1299.1	1628.4	2061.4	1405.8	1381.4	1447.5	2240.3
75°	521.5	525.5	552.0	637.3	842.7	1268.6	2269.8	1616.2	1514.6	1429.2	1443.4
77.5°	269.4	277.5	291.7	330.4	442.2	708.5	1787.0	2049.2	1933.4	1817.5	1590.8
80°	152.5	152.5	165.7	174.8	209.4	288.7	908.7	2218.0	2423.3	2473.1	2221.0
82.5°	68.1	76.2	102.7	109.8	119.9	132.1	300.9	1332.6	1849.0	2309.5	2854.3
85°	40.7	39.6	65.1	71.2	74.2	63.0	112.8	543.8	864.0	1264.5	1891.7
87.5°	16.3	17.3	27.4	29.5	34.6	25.4	42.7	116.9	171.8	249.0	351.7
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9
2.5°	1451.5	1451.5	1450.5	1449.5	1448.5	1445.4	1444.4	1442.4	1441.4	1438.3	1437.3
5°	1509.5	1506.4	1505.4	1503.4	1502.4	1498.3	1498.3	1494.2	1491.2	1487.1	1486.1
7.5°	1578.6	1574.5	1571.5	1569.5	1568.4	1561.3	1561.3	1555.2	1554.2	1549.1	1547.1
10°	1648.7	1645.7	1641.6	1639.6	1638.6	1634.5	1630.5	1626.4	1623.3	1620.3	1616.2
12.5°	1718.9	1712.8	1710.8	1707.7	1705.7	1702.6	1701.6	1692.5	1692.5	1689.4	1685.3
15°	1787.0	1786.0	1778.9	1777.8	1775.8	1776.8	1770.7	1771.7	1768.7	1763.6	1761.6
17.5°	1870.3	1863.2	1866.3	1861.2	1862.2	1860.2	1858.1	1857.1	1859.2	1858.1	1860.2
20°	1974.0	1972.0	1975.0	1967.9	1975.0	1976.1	1974.0	1979.1	1977.1	1979.1	1973.0
22.5°	2097.0	2089.9	2089.9	2095.0	2098.0	2107.2	2102.1	2106.2	2110.2	2113.3	2109.2
25°	2221.0	2219.0	2223.1	2227.1	2233.2	2241.4	2239.3	2240.3	2248.5	2253.6	2254.6
27.5°	2347.1	2347.1	2359.3	2359.3	2367.4	2376.6	2379.6	2383.7	2389.8	2396.9	2396.9
30°	2477.2	2477.2	2488.4	2498.5	2502.6	2513.8	2519.9	2526.0	2537.2	2539.2	2548.3
32.5°	2625.6	2628.6	2639.8	2645.9	2655.1	2668.3	2670.3	2677.4	2690.7	2694.7	2701.8
35°	2818.7	2808.6	2818.7	2829.9	2835.0	2830.9	2853.3	2862.4	2871.6	2876.7	2885.8
37.5°	3018.0	3000.7	3001.7	2999.7	2987.5	2994.6	2994.6	2992.5	2998.6	2997.6	3001.7
40°	3270.1	3239.6	3230.4	3211.1	3184.7	3170.4	3155.2	3153.2	3137.9	3144.0	3132.8
42.5°	3615.7	3569.9	3545.5	3485.5	3453.0	3414.4	3376.8	3344.3	3327.0	3307.7	3293.4
45°	4090.4	4036.5	3977.5	3881.0	3825.1	3747.8	3698.0	3623.8	3574.0	3532.3	3502.8
47.5°	4686.0	4595.6	4547.8	4457.3	4359.7	4242.8	4136.1	4032.4	3948.1	3856.6	3784.4
50°	5378.3	5265.4	5227.8	5107.9	5053.0	4921.8	4808.0	4679.9	4547.8	4409.5	4277.4
52.5°	5991.2	5978.0	5993.2	5912.9	5910.9	5844.8	5718.8	5569.4	5446.4	5307.1	5133.3
55°	6726.1	6857.2	6885.7	6874.5	6934.5	6932.5	6920.3	6905.0	6807.4	6610.2	6550.3
57.5°	8023.2	8170.6	8388.1	8486.7	8704.2	8729.6	8930.9	8852.6	9002.0	8961.4	8988.8
60°	9343.6	9795.9	10208.6	10522.7	10827.7	11105.2	11444.7	11590.0	11698.8	11868.5	12047.4
62.5°	9934.2	10504.4	10996.4	11443.7	11822.8	12174.5	12466.2	12742.7	12960.3	13155.4	13305.9
65°	9695.3	10357.0	10836.8	11303.4	11657.1	11984.4	12274.1	12481.5	12698.0	12874.9	13034.5
67.5°	8072.0	8953.3	9579.4	10109.0	10553.2	10926.3	11227.1	11512.8	11666.3	11859.4	11945.8
70°	5346.7	6477.1	7362.4	8078.1	8782.5	9205.3	9562.1	9894.5	10069.4	10225.9	10322.5
72.5°	2936.6	3709.2	4654.5	5505.3	6182.3	6737.3	7153.0	7468.2	7648.1	7782.3	7643.0
75°	1664.0	2045.2	2507.7	2978.3	3491.6	3883.0	3992.8	4127.0	4158.5	4089.3	3910.4
77.5°	1529.8	1529.8	1530.8	1519.7	1542.0	1569.5	1553.2	1525.8	1401.7	1374.3	1335.7
80°	1989.3	1772.8	1541.0	1265.5	1031.7	870.1	820.3	824.4	864.0	941.3	1026.7
82.5°	2819.7	2606.3	2271.9	1852.0	1473.9	1156.8	948.4	852.8	851.8	929.1	1039.9
85°	2056.4	2073.6	1999.4	1768.7	1410.9	1111.0	897.6	689.2	622.1	622.1	614.0
87.5°	359.8	371.0	320.2	286.7	200.2	141.3	127.1	111.8	110.8	114.9	105.7
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°	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9
2.5°	1437.3	1435.3	1433.3	1432.2	1432.2	1430.2	1430.2	1428.2	1429.2	1428.2	1425.1
5°	1484.1	1483.1	1480.0	1474.9	1473.9	1469.8	1470.9	1466.8	1466.8	1464.8	1459.7
7.5°	1543.0	1541.0	1539.0	1534.9	1530.8	1530.8	1523.7	1523.7	1518.6	1516.6	1512.5
10°	1613.2	1607.1	1604.0	1600.0	1598.9	1597.9	1590.8	1590.8	1584.7	1583.7	1580.6
12.5°	1682.3	1678.2	1675.2	1673.1	1668.1	1667.0	1664.0	1660.9	1657.9	1655.9	1654.8
15°	1757.5	1755.5	1752.4	1752.4	1752.4	1747.3	1744.3	1742.3	1742.3	1739.2	1741.2
17.5°	1855.1	1858.1	1854.1	1852.0	1849.0	1854.1	1849.0	1849.0	1852.0	1852.0	1844.9
20°	1976.1	1980.1	1976.1	1977.1	1975.0	1976.1	1977.1	1979.1	1983.2	1976.1	1977.1
22.5°	2110.2	2111.3	2114.3	2111.3	2116.3	2113.3	2119.4	2124.5	2123.4	2121.4	2122.4
25°	2256.6	2253.6	2254.6	2263.7	2270.8	2268.8	2269.8	2278.0	2275.9	2273.9	2274.9
27.5°	2405.0	2403.0	2406.0	2414.2	2422.3	2421.3	2419.2	2425.3	2425.3	2420.3	2422.3
30°	2552.4	2555.5	2560.5	2560.5	2564.6	2568.7	2565.6	2572.7	2573.8	2569.7	2574.8
32.5°	2707.9	2714.0	2712.0	2726.2	2726.2	2727.2	2730.3	2729.3	2739.4	2731.3	2734.4
35°	2895.0	2897.0	2909.2	2919.4	2925.5	2930.5	2930.5	2933.6	2938.7	2934.6	2940.7
37.5°	3008.8	3012.9	3016.9	3023.0	3023.0	3023.0	3028.1	3029.1	3032.2	3031.2	3033.2
40°	3133.8	3134.9	3135.9	3136.9	3141.0	3143.0	3137.9	3145.0	3139.9	3142.0	3145.0
42.5°	3285.3	3271.1	3273.1	3270.1	3277.2	3268.0	3270.1	3278.2	3274.1	3280.2	3280.2
45°	3461.2	3444.9	3430.7	3422.5	3422.5	3410.3	3412.4	3415.4	3420.5	3428.6	3442.9
47.5°	3721.4	3665.5	3638.0	3609.6	3595.3	3580.1	3585.2	3586.2	3588.2	3601.4	3637.0
50°	4147.3	4053.8	3981.6	3895.2	3862.7	3836.2	3821.0	3822.0	3822.0	3849.5	3885.0
52.5°	4970.6	4796.8	4625.0	4474.6	4345.5	4283.5	4211.3	4193.0	4194.0	4217.4	4241.8
55°	6392.7	6153.8	5971.9	5637.5	5535.8	5250.2	5099.7	5013.3	4946.2	4978.8	5014.3
57.5°	8944.1	8723.5	8579.2	8179.7	7815.8	7712.1	7465.1	7264.9	7182.5	7087.0	7093.1
60°	12073.9	11960.0	11923.4	11689.6	11558.5	11150.9	11118.4	10865.3	10626.4	10420.0	10504.4
62.5°	13421.7	13474.6	13517.3	13599.6	13631.1	13592.5	13428.9	13317.0	13120.9	12850.5	12684.8
65°	13081.2	13202.2	13384.1	13555.9	13761.3	13932.0	14016.4	13983.9	13807.0	13528.5	13180.8
67.5°	12007.8	12130.8	12287.3	12504.9	12819.0	13151.4	13383.1	13530.5	13390.2	13139.2	12785.4
70°	10317.4	10437.3	10442.4	10746.3	11084.8	11503.6	11914.3	12068.8	11909.2	11741.5	11445.7
72.5°	7727.4	7655.2	7722.3	7778.2	7971.3	8235.6	8634.1	8616.8	8372.8	8242.7	7788.4
75°	3631.9	3583.1	3512.0	3465.2	3420.5	3327.0	3371.7	3180.6	3114.5	3141.0	2748.6
77.5°	1306.2	1239.1	1131.4	1026.7	894.5	741.0	625.1	548.9	511.3	512.3	488.9
80°	1095.8	1128.3	1113.1	1009.4	861.0	700.4	524.5	397.4	339.5	315.1	299.9
82.5°	1188.3	1351.9	1433.3	1369.2	1156.8	890.4	573.3	346.6	254.1	217.5	208.4
85°	658.7	659.7	639.4	610.9	541.8	372.0	248.0	164.7	132.1	117.9	113.8
87.5°	111.8	106.7	106.7	99.6	87.4	85.4	76.2	72.2	64.0	59.0	56.9
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):**

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9
2.5°	1422.1	1420.0	1419.0	1418.0	1418.0	1417.0	1417.0	1415.0	1412.9	1411.9	1410.9
5°	1454.6	1452.6	1450.5	1448.5	1448.5	1446.5	1444.4	1442.4	1439.4	1434.3	1433.3
7.5°	1509.5	1505.4	1505.4	1498.3	1498.3	1494.2	1491.2	1491.2	1487.1	1479.0	1478.0
10°	1577.6	1570.5	1567.4	1563.4	1561.3	1557.3	1557.3	1553.2	1551.2	1548.1	1538.0
12.5°	1650.8	1645.7	1643.7	1638.6	1635.5	1635.5	1633.5	1626.4	1631.5	1624.4	1619.3
15°	1739.2	1738.2	1729.1	1732.1	1731.1	1730.1	1731.1	1725.0	1724.0	1724.0	1717.9
17.5°	1850.0	1841.9	1842.9	1842.9	1844.9	1844.9	1836.8	1840.9	1841.9	1839.8	1837.8
20°	1980.1	1977.1	1980.1	1974.0	1980.1	1980.1	1984.2	1983.2	1984.2	1986.2	1986.2
22.5°	2119.4	2127.5	2128.5	2130.6	2123.4	2135.6	2135.6	2137.7	2142.8	2142.8	2144.8
25°	2288.1	2284.1	2279.0	2286.1	2288.1	2296.3	2298.3	2298.3	2306.4	2306.4	2309.5
27.5°	2428.4	2432.5	2431.4	2435.5	2433.5	2444.7	2448.7	2460.9	2457.9	2464.0	2472.1
30°	2572.7	2580.9	2576.8	2577.8	2582.9	2590.0	2598.2	2610.3	2612.4	2628.6	2632.7
32.5°	2739.4	2745.5	2750.6	2752.7	2752.7	2764.9	2778.1	2782.1	2803.5	2815.7	2829.9
35°	2950.9	2951.9	2954.9	2958.0	2956.0	2969.2	2982.4	2986.4	3008.8	3011.9	3041.3
37.5°	3040.3	3042.4	3054.6	3060.7	3064.7	3081.0	3105.4	3123.7	3148.1	3171.5	3205.0
40°	3152.1	3164.3	3175.5	3184.7	3199.9	3222.3	3259.9	3278.2	3314.8	3358.5	3391.0
42.5°	3293.4	3315.8	3323.9	3341.2	3378.8	3406.3	3443.9	3483.5	3532.3	3585.2	3623.8
45°	3461.2	3482.5	3513.0	3532.3	3576.0	3619.7	3679.7	3714.3	3764.1	3825.1	3867.7
47.5°	3664.4	3693.9	3724.4	3764.1	3815.9	3861.6	3921.6	3966.3	4016.2	4066.0	4112.7
50°	3917.6	3961.3	4001.9	4043.6	4112.7	4151.3	4210.3	4257.1	4303.8	4353.6	4396.3
52.5°	4258.1	4324.2	4376.0	4404.5	4498.0	4536.6	4608.8	4641.3	4679.9	4724.6	4779.5
55°	5001.1	5103.8	5191.2	5242.0	5384.4	5435.2	5528.7	5576.5	5550.0	5607.0	5705.6
57.5°	7150.0	7276.0	7380.7	7449.9	7595.2	7666.4	7671.5	7850.4	7744.6	7849.3	7864.6
60°	10279.8	10379.4	10354.0	10355.0	10309.2	10243.2	10370.2	10177.1	10258.4	10263.5	10081.6
62.5°	12378.8	12226.4	12155.2	12037.3	11900.1	11794.3	11722.2	11566.6	11442.6	11344.0	11151.9
65°	12872.8	12608.6	12374.8	12154.2	11951.9	11811.6	11659.1	11492.4	11298.3	11134.6	10947.6
67.5°	12395.1	12025.1	11678.5	11387.7	11111.3	10926.3	10705.7	10547.1	10303.2	10087.7	9945.3
70°	11009.6	10497.3	10092.7	9906.7	9632.3	9234.8	9024.4	8826.2	8676.8	8481.6	8395.2
72.5°	7723.3	7091.0	6779.0	6791.2	6512.7	6228.0	6235.2	6114.2	5921.1	5915.0	5885.5
75°	2838.0	2581.9	2402.0	2410.1	2306.4	2195.6	2226.1	2258.6	2195.6	2323.7	2125.5
77.5°	451.3	439.1	435.1	425.9	403.5	419.8	408.6	430.0	433.0	456.4	458.4
80°	287.7	275.5	272.4	267.3	266.3	266.3	264.3	264.3	264.3	265.3	263.3
82.5°	192.1	185.0	184.0	180.9	186.0	187.0	188.1	196.2	203.3	205.3	213.5
85°	104.7	99.6	99.6	97.6	101.6	102.7	111.8	123.0	137.2	143.3	156.5
87.5°	52.9	55.9	54.9	56.9	60.0	67.1	74.2	81.3	89.5	100.6	109.8
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):**

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9	1411.9
2.5°	1408.9	1407.8	1407.8	1405.8	1405.8	1404.8	1402.8	1400.7	1391.6	1380.4	1373.3
5°	1430.2	1428.2	1427.2	1425.1	1422.1	1422.1	1419.0	1415.0	1397.7	1379.4	1368.2
7.5°	1473.9	1472.9	1469.8	1465.8	1461.7	1457.6	1455.6	1453.6	1427.2	1409.9	1401.7
10°	1536.9	1535.9	1528.8	1527.8	1521.7	1522.7	1517.6	1513.6	1496.3	1477.0	1465.8
12.5°	1617.2	1621.3	1617.2	1608.1	1610.1	1607.1	1602.0	1596.9	1581.7	1566.4	1549.1
15°	1716.9	1711.8	1707.7	1715.8	1708.7	1707.7	1710.8	1711.8	1693.5	1677.2	1652.8
17.5°	1840.9	1840.9	1838.8	1840.9	1836.8	1839.8	1837.8	1839.8	1831.7	1809.4	1773.8
20°	1982.2	1990.3	1990.3	1987.2	1986.2	1992.3	1995.4	1984.2	1986.2	1966.9	1902.9
22.5°	2146.8	2152.9	2155.0	2151.9	2152.9	2161.1	2166.1	2158.0	2176.3	2144.8	2046.2
25°	2316.6	2325.7	2321.7	2322.7	2330.8	2340.0	2349.1	2341.0	2376.6	2327.8	2198.7
27.5°	2484.3	2492.4	2490.4	2496.5	2509.7	2521.9	2532.1	2529.0	2588.0	2523.9	2359.3
30°	2642.9	2662.2	2666.3	2673.4	2689.6	2710.0	2726.2	2725.2	2801.4	2715.0	2490.4
32.5°	2838.0	2859.4	2867.5	2882.8	2914.3	2928.5	2948.8	2950.9	3027.1	2882.8	2601.2
35°	3063.7	3085.0	3102.3	3113.5	3149.1	3166.4	3186.7	3195.8	3246.7	3039.3	2678.5
37.5°	3238.5	3256.8	3290.4	3313.8	3345.3	3379.8	3403.2	3414.4	3442.9	3173.5	2714.0
40°	3429.6	3469.3	3501.8	3537.4	3571.9	3599.4	3620.7	3638.0	3626.8	3285.3	2698.8
42.5°	3671.6	3713.2	3756.9	3787.4	3805.7	3842.3	3852.5	3864.7	3773.2	3336.1	2629.7
45°	3923.7	3957.2	3993.8	4016.2	4040.6	4058.8	4061.9	4062.9	3882.0	3306.6	2504.6
47.5°	4166.6	4195.1	4220.5	4232.7	4244.9	4245.9	4240.8	4232.7	3939.9	3207.0	2354.2
50°	4432.9	4450.2	4461.4	4462.4	4473.6	4452.2	4438.0	4400.4	3933.8	3054.6	2195.6
52.5°	4816.1	4812.1	4797.8	4796.8	4761.2	4720.6	4694.2	4640.3	3892.1	2889.9	2012.7
55°	5696.4	5657.8	5702.5	5588.7	5494.1	5431.1	5281.7	5172.9	3933.8	2736.4	1802.2
57.5°	7811.7	7679.6	7693.8	7509.8	7308.6	6931.5	6708.8	6408.0	4261.1	2651.0	1536.9
60°	10042.9	9825.4	9620.1	9293.8	8865.8	8387.1	7956.1	7485.4	4586.4	2546.3	1254.3
62.5°	10963.9	10683.3	10326.5	9866.1	9316.1	8722.5	8126.8	7590.1	4407.5	2231.2	903.7
65°	10667.1	10331.6	9951.4	9350.7	8726.6	8036.4	7383.8	6816.6	3670.5	1631.5	545.9
67.5°	9613.0	9324.3	8855.7	8288.5	7515.9	6823.7	6178.2	5653.7	2705.9	1008.4	313.1
70°	8094.3	7694.8	7294.3	6749.5	5935.3	5282.7	4682.0	4218.4	1716.9	498.1	230.7
72.5°	5586.6	5270.5	4950.3	4462.4	3854.5	3405.2	2888.9	2507.7	898.6	268.4	212.4
75°	2176.3	2141.7	2105.2	1883.6	1677.2	1343.8	1180.1	1064.3	374.1	232.8	209.4
77.5°	477.8	506.2	522.5	495.0	471.7	420.8	402.5	359.8	250.1	238.9	207.4
80°	263.3	263.3	263.3	266.3	261.2	261.2	258.2	253.1	233.8	238.9	203.3
82.5°	215.5	218.5	222.6	223.6	222.6	223.6	221.6	220.6	228.7	239.9	193.1
85°	164.7	174.8	180.9	189.1	197.2	202.3	204.3	205.3	210.4	227.7	168.7
87.5°	116.9	125.0	138.2	140.3	149.4	160.6	164.7	170.8	167.7	172.8	79.3
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: P146376

CATALOG NUMBER: LDRL-T2-F06-E-7050

**CANDELA DISTRIBUTION (continued):**

	145°	155°	165°	175°	180°
0°	1411.9	1411.9	1411.9	1411.9	1411.9
2.5°	1367.2	1359.0	1356.0	1355.0	1352.9
5°	1359.0	1354.0	1349.9	1346.9	1348.9
7.5°	1395.6	1392.6	1385.5	1383.4	1386.5
10°	1460.7	1453.6	1443.4	1444.4	1443.4
12.5°	1542.0	1522.7	1506.4	1499.3	1494.2
15°	1625.4	1587.8	1554.2	1539.0	1532.9
17.5°	1717.9	1653.8	1602.0	1574.5	1569.5
20°	1815.5	1727.0	1659.9	1627.4	1622.3
22.5°	1928.3	1806.3	1720.9	1676.2	1669.1
25°	2038.1	1877.5	1763.6	1708.7	1699.6
27.5°	2137.7	1931.3	1789.0	1724.0	1714.8
30°	2221.0	1974.0	1810.4	1736.2	1726.0
32.5°	2275.9	1997.4	1817.5	1737.2	1725.0
35°	2293.2	1982.2	1787.0	1694.5	1684.3
37.5°	2256.6	1920.2	1705.7	1601.0	1592.8
40°	2173.3	1805.3	1577.6	1468.8	1458.7
42.5°	2043.1	1659.9	1429.2	1314.3	1305.2
45°	1898.8	1504.4	1271.6	1156.8	1147.6
47.5°	1741.2	1339.7	1105.9	1000.2	986.0
50°	1568.4	1160.8	937.2	833.5	820.3
52.5°	1366.2	965.7	758.3	664.8	656.7
55°	1129.3	769.5	603.8	535.7	527.6
57.5°	878.2	585.5	479.8	446.2	433.0
60°	637.3	445.2	382.2	365.9	358.8
62.5°	433.0	332.4	308.0	302.9	297.8
65°	293.8	260.2	253.1	254.1	251.1
67.5°	231.8	218.5	214.5	216.5	215.5
70°	203.3	193.1	192.1	194.1	193.1
72.5°	192.1	178.9	180.9	184.0	183.0
75°	187.0	172.8	176.9	178.9	173.8
77.5°	182.0	163.7	175.9	179.9	169.8
80°	174.8	155.5	184.0	182.0	162.6
82.5°	159.6	137.2	179.9	164.7	146.4
85°	130.1	102.7	202.3	145.4	106.7
87.5°	83.4	62.0	140.3	110.8	71.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)