

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: P146369

Luminaire Tested: **LDRL-T2-E06-E-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P146369  
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-E06-E-7030  
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (126) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16432.5 lumens  
Efficiency: N/A  
Efficacy: 109.2 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

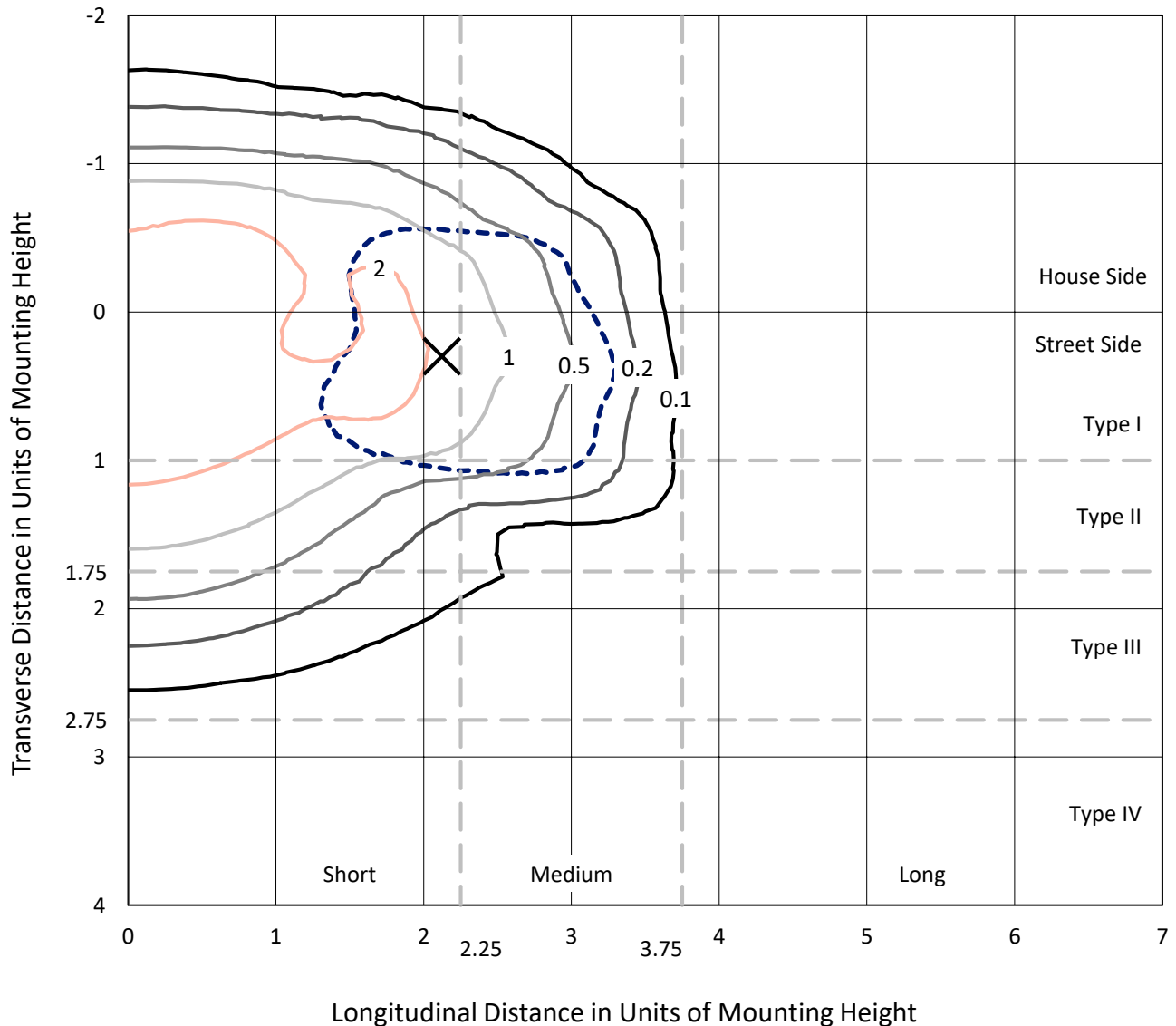
Input Watts (W): 150.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

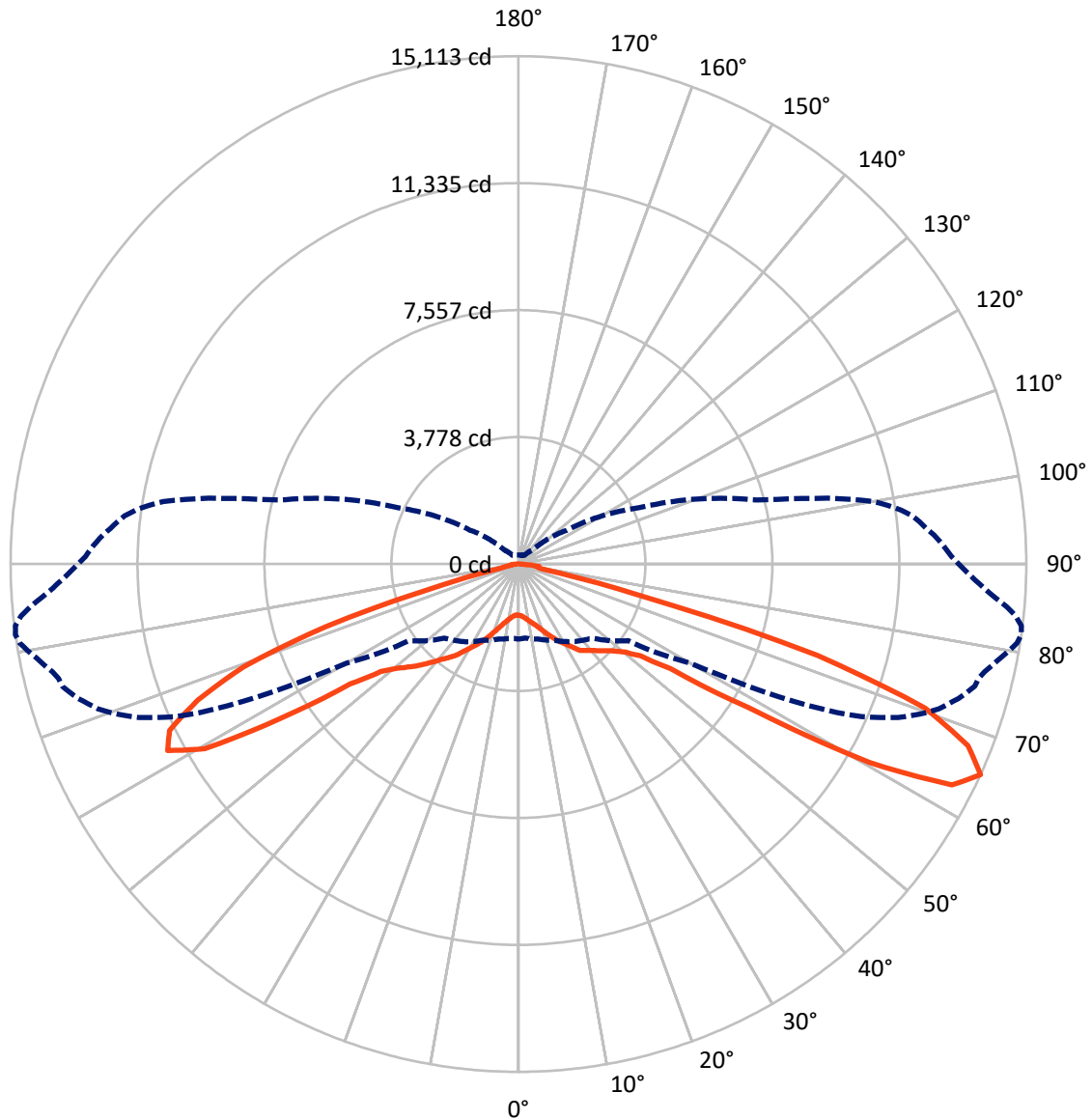
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	6048.9	0.0	6048.9
	% Fixture	36.8	0.0	36.8
<b>Street Side</b>	Lumens	10383.6	0.0	10383.6
	% Fixture	63.2	0.0	63.2
<b>Total</b>	Lumens	16432.5	0.0	16432.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.5	0.9
10°-20°	544.2	3.3
20°-30°	1079.4	6.6
30°-40°	1841.8	11.2
40°-50°	2761.7	16.8
50°-60°	3844.1	23.4
60°-70°	4416.3	26.9
70°-80°	1524.0	9.3
80°-90°	266.5	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°	16432.5	100.0
0°-180°	16432.5	100.0



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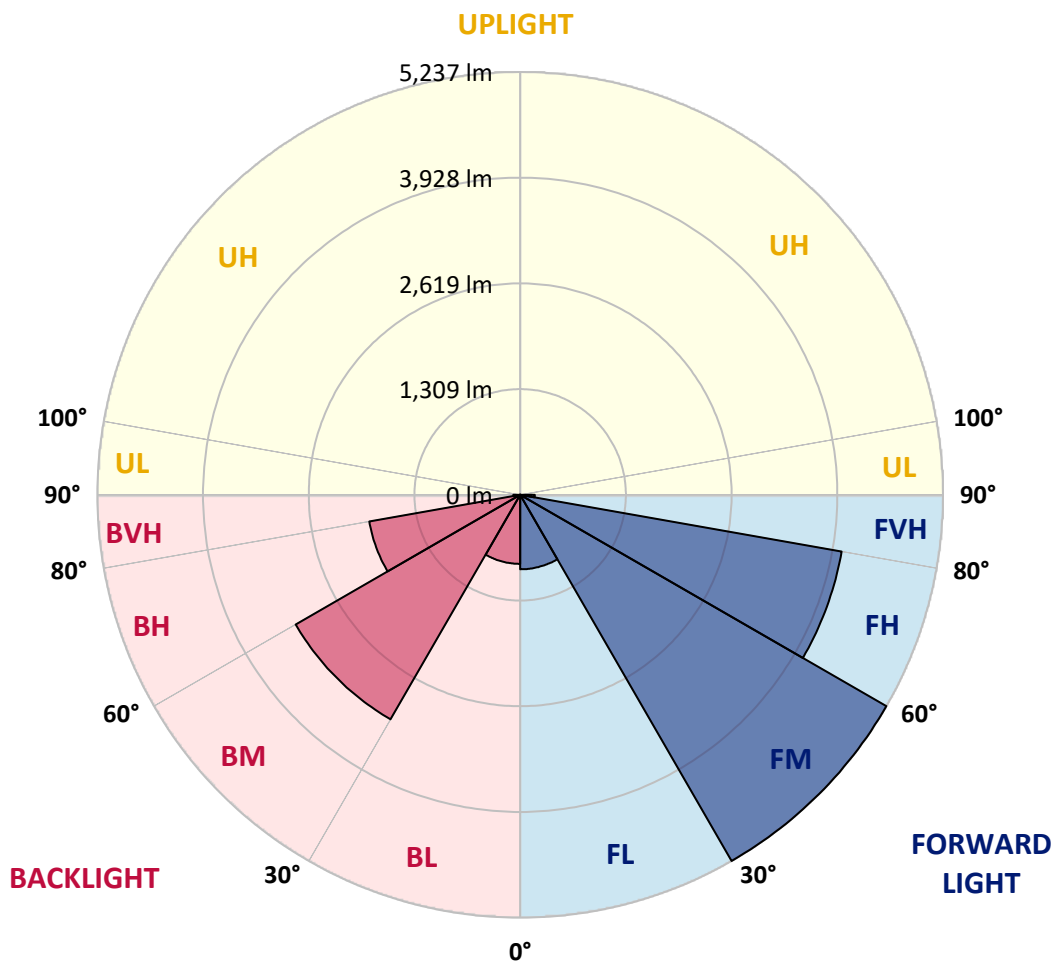
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	922.4	5.6			
FM	(30°-60°)	5237.2	31.9			
FH	(60°-80°)	4042.9	24.6			G2/5000
FVH	(80°-90°)	181.0	1.1			G2/225
BL	(0°-30°)	855.6	5.2	B2/1000		
BM	(30°-60°)	3210.3	19.5	B3/5000		
BH	(60°-80°)	1897.4	11.5	B3/2500		G3/2500
BVH	(80°-90°)	85.5	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°	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4
2.5°	1606.8	1605.7	1604.6	1600.2	1598.0	1589.2	1580.5	1575.0	1570.6	1572.8	1566.2
5°	1699.9	1699.9	1695.5	1690.1	1683.5	1671.4	1649.5	1638.6	1636.4	1636.4	1628.7
7.5°	1795.3	1801.9	1789.8	1785.4	1774.5	1755.8	1730.6	1716.4	1712.0	1712.0	1705.4
10°	1915.8	1912.6	1899.4	1890.6	1868.7	1843.5	1809.5	1793.1	1786.5	1792.0	1781.0
12.5°	2043.0	2041.9	2022.2	2005.7	1975.0	1934.5	1889.5	1867.6	1863.2	1863.2	1856.7
15°	2172.3	2173.4	2151.5	2120.8	2072.6	2017.8	1967.4	1946.5	1941.1	1938.9	1931.2
17.5°	2271.0	2281.9	2260.0	2220.5	2161.4	2101.1	2047.4	2026.5	2025.4	2023.3	2014.5
20°	2326.9	2329.0	2317.0	2288.5	2235.9	2177.8	2140.5	2130.7	2129.6	2130.7	2132.9
22.5°	2324.7	2327.9	2323.6	2312.6	2278.6	2246.8	2242.5	2247.9	2251.2	2247.9	2255.6
25°	2307.1	2311.5	2311.5	2317.0	2308.2	2319.2	2354.3	2369.6	2370.7	2372.9	2389.3
27.5°	2345.5	2349.9	2348.8	2358.6	2366.3	2404.7	2468.2	2495.6	2498.9	2506.6	2521.9
30°	2523.0	2524.1	2504.4	2503.3	2511.0	2541.7	2606.3	2638.1	2634.8	2650.2	2660.0
32.5°	2803.6	2812.4	2792.7	2771.8	2768.5	2772.9	2785.0	2806.9	2803.6	2811.3	2824.4
35°	3123.7	3124.8	3113.8	3125.9	3132.4	3102.8	3045.8	3040.4	3022.8	3026.1	3030.5
37.5°	3417.4	3425.1	3445.9	3522.6	3566.5	3494.1	3382.3	3312.2	3301.2	3295.7	3257.4
40°	3692.5	3730.9	3781.3	3881.0	3941.3	3967.6	3808.7	3667.3	3628.9	3613.6	3553.3
42.5°	4014.7	4034.5	4093.6	4207.6	4287.6	4407.1	4300.8	4145.1	4100.2	4034.5	3958.8
45°	4287.6	4300.8	4338.0	4434.5	4602.2	4801.7	4813.7	4705.2	4670.1	4604.4	4493.7
47.5°	4470.7	4469.6	4497.0	4591.2	4809.3	5114.0	5294.9	5290.5	5249.9	5226.9	5132.7
50°	4541.9	4540.8	4558.3	4663.6	4901.4	5300.4	5699.3	5836.3	5835.2	5844.0	5795.8
52.5°	4555.1	4554.0	4556.2	4640.6	4882.8	5365.0	5990.8	6314.2	6361.3	6420.5	6474.2
55°	4456.4	4467.4	4491.5	4580.3	4812.6	5338.7	6206.8	6762.4	6875.3	6995.9	7191.0
57.5°	4228.4	4249.3	4332.6	4491.5	4738.1	5274.1	6356.9	7317.0	7546.1	7837.6	8365.9
60°	3901.8	3920.5	4035.5	4246.0	4521.1	4992.4	6182.7	7549.4	7984.5	8490.9	9573.7
62.5°	3324.2	3376.8	3438.2	3587.3	3875.5	4254.8	5400.1	7157.0	7831.1	8574.2	10064.8
65°	2232.6	2210.7	2312.6	2502.2	2819.0	3113.8	3978.6	5903.2	6755.9	7778.5	9623.1
67.5°	1382.1	1385.4	1454.4	1639.6	1878.6	2107.6	2521.9	3762.6	4518.9	5491.1	7709.4
70°	1142.1	1155.2	1211.1	1383.2	1587.0	1845.7	1872.0	1994.8	2333.4	2803.6	4762.2
72.5°	906.4	911.9	968.9	1112.5	1400.7	1755.8	2222.7	1515.8	1489.5	1560.7	2415.6
75°	562.3	566.6	595.1	687.2	908.6	1367.8	2447.4	1742.7	1633.1	1541.0	1556.3
77.5°	290.4	299.2	314.6	356.2	476.8	763.9	1926.8	2209.6	2084.6	1959.7	1715.3
80°	164.4	164.4	178.7	188.5	225.8	311.3	979.8	2391.5	2612.9	2666.6	2394.8
82.5°	73.4	82.2	110.7	118.4	129.3	142.5	324.4	1436.9	1993.7	2490.2	3077.6
85°	43.8	42.7	70.1	76.7	80.0	68.0	121.7	586.4	931.6	1363.4	2039.7
87.5°	17.5	18.6	29.6	31.8	37.3	27.4	46.0	126.0	185.2	268.5	379.2
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°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4
2.5°	1565.1	1565.1	1564.0	1562.9	1561.8	1558.5	1557.4	1555.3	1554.2	1550.9	1549.8
5°	1627.6	1624.3	1623.2	1621.0	1619.9	1615.5	1615.5	1611.2	1607.9	1603.5	1602.4
7.5°	1702.1	1697.7	1694.4	1692.3	1691.2	1683.5	1683.5	1676.9	1675.8	1670.3	1668.1
10°	1777.7	1774.5	1770.1	1767.9	1766.8	1762.4	1758.0	1753.6	1750.3	1747.1	1742.7
12.5°	1853.4	1846.8	1844.6	1841.3	1839.1	1835.8	1834.7	1824.9	1824.9	1821.6	1817.2
15°	1926.8	1925.7	1918.0	1916.9	1914.7	1915.8	1909.3	1910.4	1907.1	1901.6	1899.4
17.5°	2016.7	2009.0	2012.3	2006.8	2007.9	2005.7	2003.5	2002.4	2004.6	2003.5	2005.7
20°	2128.5	2126.3	2129.6	2121.9	2129.6	2130.7	2128.5	2134.0	2131.8	2134.0	2127.4
22.5°	2261.1	2253.4	2253.4	2258.9	2262.2	2272.1	2266.6	2271.0	2275.3	2278.6	2274.2
25°	2394.8	2392.6	2397.0	2401.4	2408.0	2416.7	2414.5	2415.6	2424.4	2429.9	2431.0
27.5°	2530.7	2530.7	2543.9	2543.9	2552.6	2562.5	2565.8	2570.2	2576.7	2584.4	2584.4
30°	2671.0	2671.0	2683.1	2694.0	2698.4	2710.5	2717.0	2723.6	2735.7	2737.9	2747.7
32.5°	2831.0	2834.3	2846.4	2852.9	2862.8	2877.1	2879.2	2886.9	2901.2	2905.6	2913.2
35°	3039.3	3028.3	3039.3	3051.3	3056.8	3052.4	3076.5	3086.4	3096.3	3101.7	3111.6
37.5°	3254.1	3235.5	3236.5	3234.4	3221.2	3228.9	3228.9	3226.7	3233.3	3232.2	3236.5
40°	3525.9	3493.0	3483.2	3462.3	3433.8	3418.5	3402.0	3399.9	3383.4	3390.0	3377.9
42.5°	3898.5	3849.2	3822.9	3758.3	3723.2	3681.5	3641.0	3605.9	3587.3	3566.5	3551.1
45°	4410.4	4352.3	4288.7	4184.6	4124.3	4041.0	3987.3	3907.3	3853.6	3808.7	3776.9
47.5°	5052.7	4955.1	4903.6	4806.0	4700.8	4574.8	4459.7	4347.9	4256.9	4158.3	4080.5
50°	5799.0	5677.4	5636.8	5507.5	5448.3	5306.9	5184.2	5046.1	4903.6	4754.5	4612.1
52.5°	6459.9	6445.7	6462.1	6375.6	6373.4	6302.1	6166.2	6005.1	5872.5	5722.3	5534.9
55°	7252.4	7393.8	7424.4	7412.4	7477.1	7474.9	7461.7	7445.3	7340.0	7127.4	7062.8
57.5°	8650.9	8809.8	9044.4	9150.7	9385.2	9412.6	9629.6	9545.2	9706.4	9662.5	9692.1
60°	10074.6	10562.3	11007.3	11346.0	11674.8	11974.0	12340.1	12496.8	12614.1	12797.1	12990.0
62.5°	10711.4	11326.3	11856.7	12339.0	12747.8	13127.0	13441.6	13739.7	13974.3	14184.7	14346.9
65°	10453.8	11167.4	11684.7	12187.7	12569.2	12922.1	13234.4	13458.0	13691.5	13882.2	14054.3
67.5°	8703.5	9653.7	10328.9	10899.9	11378.9	11781.1	12105.5	12413.5	12579.0	12787.3	12880.4
70°	5765.1	6983.8	7938.5	8710.1	9469.6	9925.6	10310.3	10668.7	10857.2	11026.0	11130.1
72.5°	3166.4	3999.4	5018.7	5936.0	6666.0	7264.4	7712.7	8052.5	8246.5	8391.1	8241.0
75°	1794.2	2205.2	2703.9	3211.3	3764.8	4186.8	4305.2	4449.8	4483.8	4409.3	4216.4
77.5°	1649.5	1649.5	1650.6	1638.6	1662.7	1692.3	1674.7	1645.1	1511.4	1481.8	1440.2
80°	2144.9	1911.5	1661.6	1364.5	1112.5	938.2	884.5	888.9	931.6	1014.9	1107.0
82.5°	3040.4	2810.2	2449.6	1996.9	1589.2	1247.3	1022.6	919.6	918.5	1001.8	1121.2
85°	2217.2	2235.9	2155.9	1907.1	1521.3	1198.0	967.8	743.1	670.8	670.8	662.0
87.5°	388.0	400.0	345.2	309.1	215.9	152.3	137.0	120.6	119.5	123.9	114.0
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°	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4
2.5°	1549.8	1547.6	1545.4	1544.3	1544.3	1542.1	1542.1	1539.9	1541.0	1539.9	1536.6
5°	1600.2	1599.1	1595.8	1590.3	1589.2	1584.8	1585.9	1581.6	1581.6	1579.4	1573.9
7.5°	1663.8	1661.6	1659.4	1655.0	1650.6	1650.6	1642.9	1642.9	1637.5	1635.3	1630.9
10°	1739.4	1732.8	1729.5	1725.1	1724.0	1722.9	1715.3	1715.3	1708.7	1707.6	1704.3
12.5°	1813.9	1809.5	1806.2	1804.0	1798.6	1797.5	1794.2	1790.9	1787.6	1785.4	1784.3
15°	1895.0	1892.8	1889.5	1889.5	1889.5	1884.1	1880.8	1878.6	1878.6	1875.3	1877.5
17.5°	2000.2	2003.5	1999.1	1996.9	1993.7	1999.1	1993.7	1993.7	1996.9	1996.9	1989.3
20°	2130.7	2135.0	2130.7	2131.8	2129.6	2130.7	2131.8	2134.0	2138.3	2130.7	2131.8
22.5°	2275.3	2276.4	2279.7	2276.4	2281.9	2278.6	2285.2	2290.7	2289.6	2287.4	2288.5
25°	2433.2	2429.9	2431.0	2440.8	2448.5	2446.3	2447.4	2456.2	2454.0	2451.8	2452.9
27.5°	2593.2	2591.0	2594.3	2603.0	2611.8	2610.7	2608.5	2615.1	2615.1	2609.6	2611.8
30°	2752.1	2755.4	2760.9	2760.9	2765.3	2769.6	2766.4	2774.0	2775.1	2770.7	2776.2
32.5°	2919.8	2926.4	2924.2	2939.5	2939.5	2940.6	2943.9	2942.8	2953.8	2945.0	2948.3
35°	3121.5	3123.7	3136.8	3147.8	3154.3	3159.8	3159.8	3163.1	3168.6	3164.2	3170.8
37.5°	3244.2	3248.6	3253.0	3259.6	3259.6	3259.6	3265.0	3266.1	3269.4	3268.3	3270.5
40°	3379.0	3380.1	3381.2	3382.3	3386.7	3388.9	3383.4	3391.1	3385.6	3387.8	3391.1
42.5°	3542.3	3527.0	3529.2	3525.9	3533.6	3523.7	3525.9	3534.7	3530.3	3536.9	3536.9
45°	3731.9	3714.4	3699.1	3690.3	3690.3	3677.1	3679.3	3682.6	3688.1	3696.9	3712.2
47.5°	4012.5	3952.2	3922.7	3892.0	3876.6	3860.2	3865.7	3866.8	3869.0	3883.2	3921.6
50°	4471.8	4370.9	4293.1	4200.0	4164.9	4136.4	4119.9	4121.0	4121.0	4150.6	4189.0
52.5°	5359.5	5172.1	4986.9	4824.7	4685.5	4618.6	4540.8	4521.1	4522.2	4547.4	4573.7
55°	6892.9	6635.3	6439.1	6078.5	5968.9	5660.9	5498.7	5405.6	5333.2	5368.3	5406.7
57.5°	9643.9	9406.0	9250.4	8819.7	8427.3	8315.5	8049.2	7833.3	7744.5	7641.5	7648.0
60°	13018.5	12895.8	12856.3	12604.2	12462.8	12023.3	11988.3	11715.4	11457.8	11235.3	11326.3
62.5°	14471.9	14528.8	14574.9	14663.7	14697.6	14656.0	14479.5	14359.0	14147.4	13855.9	13677.2
65°	14104.7	14235.1	14431.3	14616.5	14837.9	15022.1	15113.0	15078.0	14887.2	14586.9	14212.1
67.5°	12947.3	13079.9	13248.7	13483.2	13821.9	14180.3	14430.2	14589.1	14437.9	14167.2	13785.7
70°	11124.6	11253.9	11259.4	11587.1	11952.1	12403.7	12846.5	13013.1	12841.0	12660.1	12341.2
72.5°	8331.9	8254.1	8326.5	8386.7	8595.0	8880.0	9309.6	9291.0	9027.9	8887.6	8397.7
75°	3916.1	3863.5	3786.8	3736.3	3688.1	3587.3	3635.5	3429.4	3358.2	3386.7	2963.6
77.5°	1408.4	1336.0	1219.9	1107.0	964.5	799.0	674.1	591.9	551.3	552.4	527.2
80°	1181.5	1216.6	1200.1	1088.3	928.3	755.2	565.5	428.5	366.1	339.8	323.3
82.5°	1281.2	1457.7	1545.4	1476.3	1247.3	960.1	618.2	373.7	274.0	234.5	224.7
85°	710.2	711.3	689.4	658.7	584.2	401.1	267.4	177.6	142.5	127.1	122.8
87.5°	120.6	115.1	115.1	107.4	94.3	92.1	82.2	77.8	69.0	63.6	61.4
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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CATALOG NUMBER: LDRL-T2-E06-E-7030

**CANDELA DISTRIBUTION (continued):**

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4
2.5°	1533.3	1531.1	1530.0	1528.9	1528.9	1527.9	1527.9	1525.7	1523.5	1522.4	1521.3
5°	1568.4	1566.2	1564.0	1561.8	1561.8	1559.6	1557.4	1555.3	1552.0	1546.5	1545.4
7.5°	1627.6	1623.2	1623.2	1615.5	1615.5	1611.2	1607.9	1607.9	1603.5	1594.7	1593.6
10°	1701.0	1693.4	1690.1	1685.7	1683.5	1679.1	1679.1	1674.7	1672.5	1669.2	1658.3
12.5°	1779.9	1774.5	1772.3	1766.8	1763.5	1763.5	1761.3	1753.6	1759.1	1751.4	1746.0
15°	1875.3	1874.2	1864.3	1867.6	1866.5	1865.4	1866.5	1859.9	1858.9	1858.9	1852.3
17.5°	1994.8	1986.0	1987.1	1987.1	1989.3	1989.3	1980.5	1984.9	1986.0	1983.8	1981.6
20°	2135.0	2131.8	2135.0	2128.5	2135.0	2135.0	2139.4	2138.3	2139.4	2141.6	2141.6
22.5°	2285.2	2294.0	2295.1	2297.3	2289.6	2302.7	2302.7	2304.9	2310.4	2310.4	2312.6
25°	2467.1	2462.8	2457.3	2464.9	2467.1	2475.9	2478.1	2478.1	2486.9	2486.9	2490.2
27.5°	2618.4	2622.8	2621.7	2626.1	2623.9	2635.9	2640.3	2653.5	2650.2	2656.8	2665.5
30°	2774.0	2782.8	2778.4	2779.5	2785.0	2792.7	2801.4	2814.6	2816.8	2834.3	2838.7
32.5°	2953.8	2960.4	2965.8	2968.0	2968.0	2981.2	2995.4	2999.8	3022.8	3036.0	3051.3
35°	3181.7	3182.8	3186.1	3189.4	3187.2	3201.5	3215.7	3220.1	3244.2	3247.5	3279.3
37.5°	3278.2	3280.4	3293.5	3300.1	3304.5	3322.0	3348.3	3368.1	3394.4	3419.6	3455.8
40°	3398.8	3411.9	3424.0	3433.8	3450.3	3474.4	3514.9	3534.7	3574.1	3621.3	3656.3
42.5°	3551.1	3575.2	3584.0	3602.6	3643.2	3672.8	3713.3	3756.1	3808.7	3865.7	3907.3
45°	3731.9	3755.0	3787.8	3808.7	3855.8	3902.9	3967.6	4004.9	4058.6	4124.3	4170.4
47.5°	3951.2	3982.9	4015.8	4058.6	4114.5	4163.8	4228.4	4276.7	4330.4	4384.1	4434.5
50°	4224.1	4271.2	4315.0	4360.0	4434.5	4476.1	4539.7	4590.1	4640.6	4694.3	4740.3
52.5°	4591.2	4662.5	4718.4	4749.1	4849.9	4891.5	4969.4	5004.4	5046.1	5094.3	5153.5
55°	5392.4	5503.1	5597.4	5652.2	5805.6	5860.4	5961.3	6012.8	5984.3	6045.6	6152.0
57.5°	7709.4	7845.3	7958.2	8032.7	8189.5	8266.2	8271.7	8464.6	8350.6	8463.5	8479.9
60°	11084.1	11191.5	11164.1	11165.2	11115.8	11044.6	11181.6	10973.4	11061.0	11066.5	10870.3
62.5°	13347.3	13182.9	13106.2	12979.1	12831.1	12717.1	12639.3	12471.6	12337.9	12231.6	12024.4
65°	13880.0	13595.0	13343.0	13105.1	12887.0	12735.8	12571.4	12391.6	12182.3	12005.8	11804.1
67.5°	13364.9	12965.9	12592.2	12278.7	11980.6	11781.1	11543.3	11372.3	11109.3	10876.9	10723.5
70°	11871.0	11318.6	10882.4	10681.8	10385.9	9957.3	9730.5	9516.7	9355.6	9145.2	9052.0
72.5°	8327.6	7645.8	7309.4	7322.5	7022.2	6715.3	6723.0	6592.6	6384.3	6377.7	6346.0
75°	3060.1	2783.9	2589.9	2598.7	2486.9	2367.4	2400.3	2435.4	2367.4	2505.5	2291.8
77.5°	486.6	473.5	469.1	459.2	435.1	452.7	440.6	463.6	466.9	492.1	494.3
80°	310.2	297.0	293.7	288.3	287.2	287.2	285.0	285.0	285.0	286.1	283.9
82.5°	207.1	199.5	198.4	195.1	200.6	201.7	202.8	211.5	219.2	221.4	230.2
85°	112.9	107.4	107.4	105.2	109.6	110.7	120.6	132.6	148.0	154.5	168.8
87.5°	57.0	60.3	59.2	61.4	64.7	72.3	80.0	87.7	96.4	108.5	118.4
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):**

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4	1522.4
2.5°	1519.1	1518.0	1518.0	1515.8	1515.8	1514.7	1512.5	1510.3	1500.5	1488.4	1480.7
5°	1542.1	1539.9	1538.8	1536.6	1533.3	1533.3	1530.0	1525.7	1507.0	1487.3	1475.2
7.5°	1589.2	1588.1	1584.8	1580.5	1576.1	1571.7	1569.5	1567.3	1538.8	1520.2	1511.4
10°	1657.2	1656.1	1648.4	1647.3	1640.7	1641.8	1636.4	1632.0	1613.3	1592.5	1580.5
12.5°	1743.8	1748.2	1743.8	1733.9	1736.1	1732.8	1727.3	1721.8	1705.4	1689.0	1670.3
15°	1851.2	1845.7	1841.3	1850.1	1842.4	1841.3	1844.6	1845.7	1826.0	1808.4	1782.1
17.5°	1984.9	1984.9	1982.7	1984.9	1980.5	1983.8	1981.6	1983.8	1975.0	1950.9	1912.6
20°	2137.2	2146.0	2146.0	2142.7	2141.6	2148.2	2151.5	2139.4	2141.6	2120.8	2051.8
22.5°	2314.8	2321.4	2323.6	2320.3	2321.4	2330.1	2335.6	2326.9	2346.6	2312.6	2206.3
25°	2497.8	2507.7	2503.3	2504.4	2513.2	2523.0	2532.9	2524.1	2562.5	2509.9	2370.7
27.5°	2678.7	2687.4	2685.2	2691.8	2706.1	2719.2	2730.2	2726.9	2790.5	2721.4	2543.9
30°	2849.7	2870.5	2874.9	2882.5	2900.1	2922.0	2939.5	2938.4	3020.6	2927.5	2685.2
32.5°	3060.1	3083.1	3091.9	3108.3	3142.3	3157.6	3179.6	3181.7	3263.9	3108.3	2804.7
35°	3303.4	3326.4	3345.1	3357.1	3395.5	3414.1	3436.0	3445.9	3500.7	3277.1	2888.0
37.5°	3491.9	3511.6	3547.8	3573.0	3607.0	3644.3	3669.5	3681.5	3712.2	3421.8	2926.4
40°	3698.0	3740.7	3775.8	3814.2	3851.4	3881.0	3904.0	3922.7	3910.6	3542.3	2909.9
42.5°	3958.8	4003.8	4050.9	4083.8	4103.5	4143.0	4153.9	4167.1	4068.4	3597.1	2835.4
45°	4230.6	4266.8	4306.3	4330.4	4356.7	4376.4	4379.7	4380.8	4185.7	3565.4	2700.6
47.5°	4492.6	4523.3	4550.7	4563.8	4577.0	4578.1	4572.6	4563.8	4248.2	3457.9	2538.4
50°	4779.7	4798.4	4810.4	4811.5	4823.6	4800.6	4785.2	4744.7	4241.6	3293.5	2367.4
52.5°	5192.9	5188.6	5173.2	5172.1	5133.8	5089.9	5061.4	5003.3	4196.7	3116.0	2170.1
55°	6142.1	6100.4	6148.7	6025.9	5924.0	5856.0	5694.9	5577.6	4241.6	2950.5	1943.2
57.5°	8422.9	8280.4	8295.8	8097.4	7880.4	7473.8	7233.7	6909.3	4594.5	2858.4	1657.2
60°	10828.7	10594.1	10372.7	10020.9	9559.5	9043.3	8578.6	8071.1	4945.2	2745.5	1352.5
62.5°	11821.7	11519.2	11134.5	10638.0	10045.0	9405.0	8762.7	8184.0	4752.3	2405.8	974.4
65°	11501.6	11140.0	10730.0	10082.3	9409.3	8665.1	7961.5	7349.9	3957.7	1759.1	588.6
67.5°	10365.1	10053.8	9548.5	8937.0	8104.0	7357.6	6661.6	6096.1	2917.6	1087.3	337.6
70°	8727.6	8296.9	7865.0	7277.6	6399.7	5696.0	5048.3	4548.5	1851.2	537.0	248.8
72.5°	6023.7	5682.9	5337.6	4811.5	4156.1	3671.7	3114.9	2703.9	968.9	289.3	229.1
75°	2346.6	2309.3	2269.9	2030.9	1808.4	1448.9	1272.5	1147.5	403.3	251.0	225.8
77.5°	515.1	545.8	563.4	533.8	508.6	453.8	434.0	388.0	269.6	257.6	223.6
80°	283.9	283.9	283.9	287.2	281.7	281.7	278.4	272.9	252.1	257.6	219.2
82.5°	232.4	235.6	240.0	241.1	240.0	241.1	238.9	237.8	246.6	258.7	208.2
85°	177.6	188.5	195.1	203.9	212.6	218.1	220.3	221.4	226.9	245.5	181.9
87.5°	126.0	134.8	149.1	151.3	161.1	173.2	177.6	184.1	180.8	186.3	85.5
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: P146369

CATALOG NUMBER: LDRL-T2-E06-E-7030

**CANDELA DISTRIBUTION (continued):**

	145°	155°	165°	175°	180°
0°	1522.4	1522.4	1522.4	1522.4	1522.4
2.5°	1474.1	1465.4	1462.1	1461.0	1458.8
5°	1465.4	1459.9	1455.5	1452.2	1454.4
7.5°	1504.8	1501.5	1493.9	1491.7	1495.0
10°	1575.0	1567.3	1556.3	1557.4	1556.3
12.5°	1662.7	1641.8	1624.3	1616.6	1611.2
15°	1752.5	1712.0	1675.8	1659.4	1652.8
17.5°	1852.3	1783.2	1727.3	1697.7	1692.3
20°	1957.5	1862.1	1789.8	1754.7	1749.2
22.5°	2079.2	1947.6	1855.6	1807.3	1799.7
25°	2197.5	2024.3	1901.6	1842.4	1832.5
27.5°	2304.9	2082.4	1929.0	1858.9	1849.0
30°	2394.8	2128.5	1952.0	1872.0	1861.0
32.5°	2454.0	2153.7	1959.7	1873.1	1859.9
35°	2472.6	2137.2	1926.8	1827.1	1816.1
37.5°	2433.2	2070.4	1839.1	1726.2	1717.5
40°	2343.3	1946.5	1701.0	1583.7	1572.8
42.5°	2203.0	1789.8	1541.0	1417.2	1407.3
45°	2047.4	1622.1	1371.1	1247.3	1237.4
47.5°	1877.5	1444.6	1192.5	1078.5	1063.1
50°	1691.2	1251.7	1010.5	898.7	884.5
52.5°	1473.1	1041.2	817.6	716.8	708.0
55°	1217.7	829.7	651.0	577.6	568.8
57.5°	947.0	631.3	517.3	481.2	466.9
60°	687.2	480.1	412.1	394.6	386.9
62.5°	466.9	358.4	332.1	326.6	321.1
65°	316.7	280.6	272.9	274.0	270.7
67.5°	249.9	235.6	231.3	233.5	232.4
70°	219.2	208.2	207.1	209.3	208.2
72.5°	207.1	192.9	195.1	198.4	197.3
75°	201.7	186.3	190.7	192.9	187.4
77.5°	196.2	176.5	189.6	194.0	183.0
80°	188.5	167.7	198.4	196.2	175.4
82.5°	172.1	148.0	194.0	177.6	157.8
85°	140.3	110.7	218.1	156.7	115.1
87.5°	89.9	66.9	151.3	119.5	76.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)