

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: P146359

Luminaire Tested: **LDRL-T2-E05-E-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P146359  
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-7030  
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (105) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13693.7 lumens  
Efficiency: N/A  
Efficacy: 107.6 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

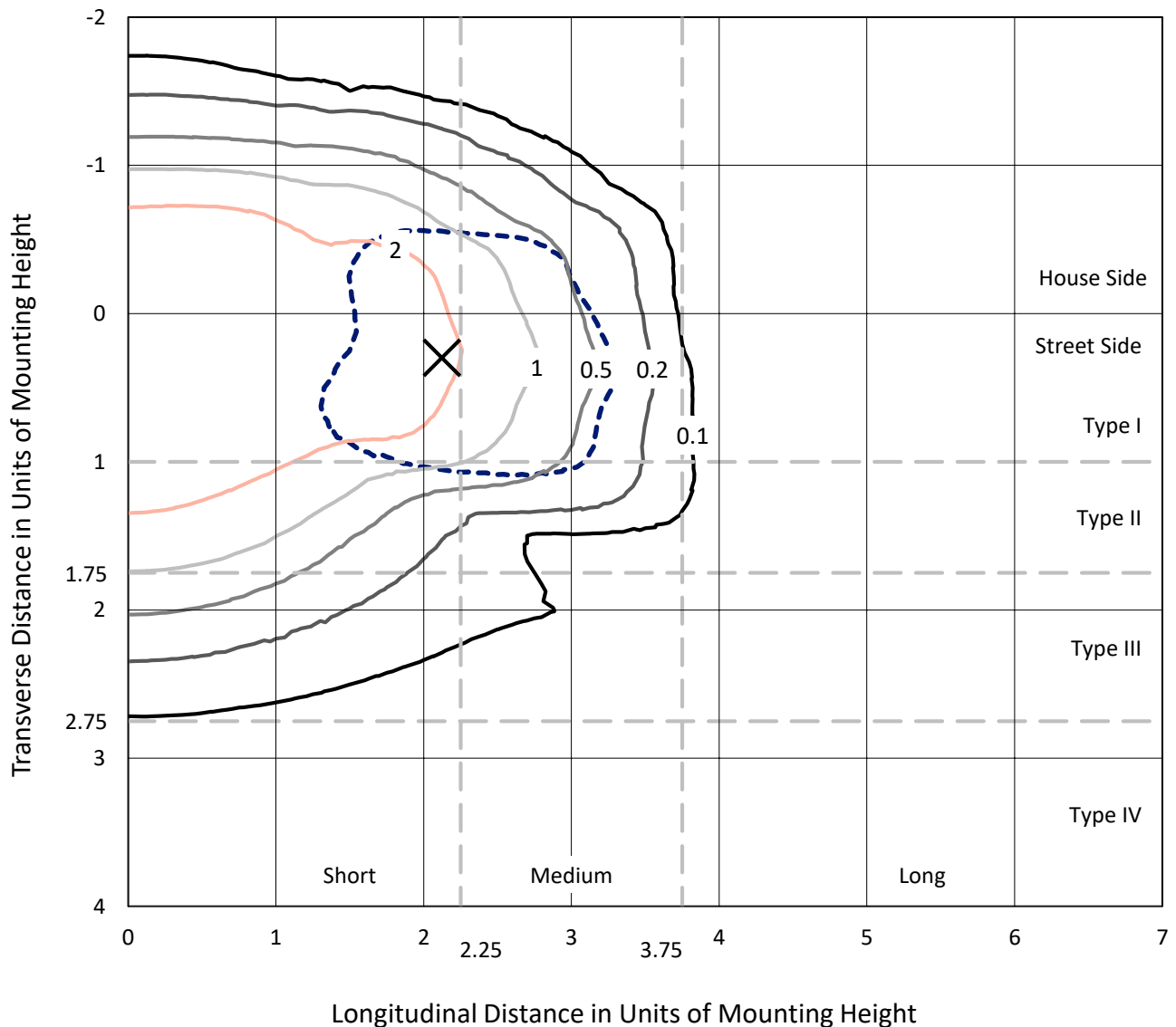
Input Watts (W): 127.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

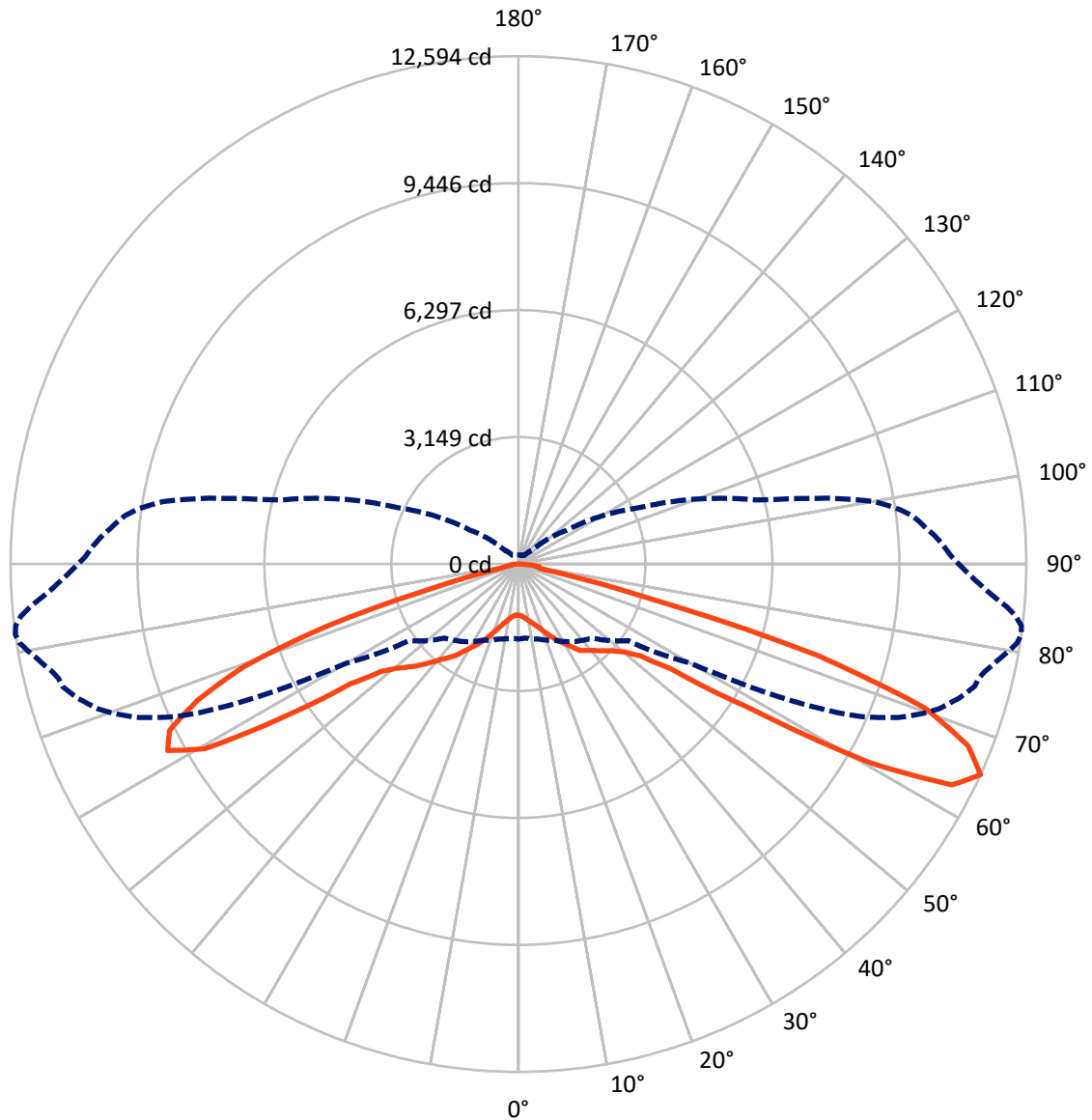
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.1 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	5040.7	0.0	5040.7
	% Fixture	36.8	0.0	36.8
<b>Street Side</b>	Lumens	8653.0	0.0	8653.0
	% Fixture	63.2	0.0	63.2
<b>Total</b>	Lumens	13693.7	0.0	13693.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.7	0.9
10°-20°	453.5	3.3
20°-30°	899.5	6.6
30°-40°	1534.8	11.2
40°-50°	2301.4	16.8
50°-60°	3203.4	23.4
60°-70°	3680.3	26.9
70°-80°	1270.0	9.3
80°-90°	222.1	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°	13693.7	100.0
0°-180°	13693.7	100.0



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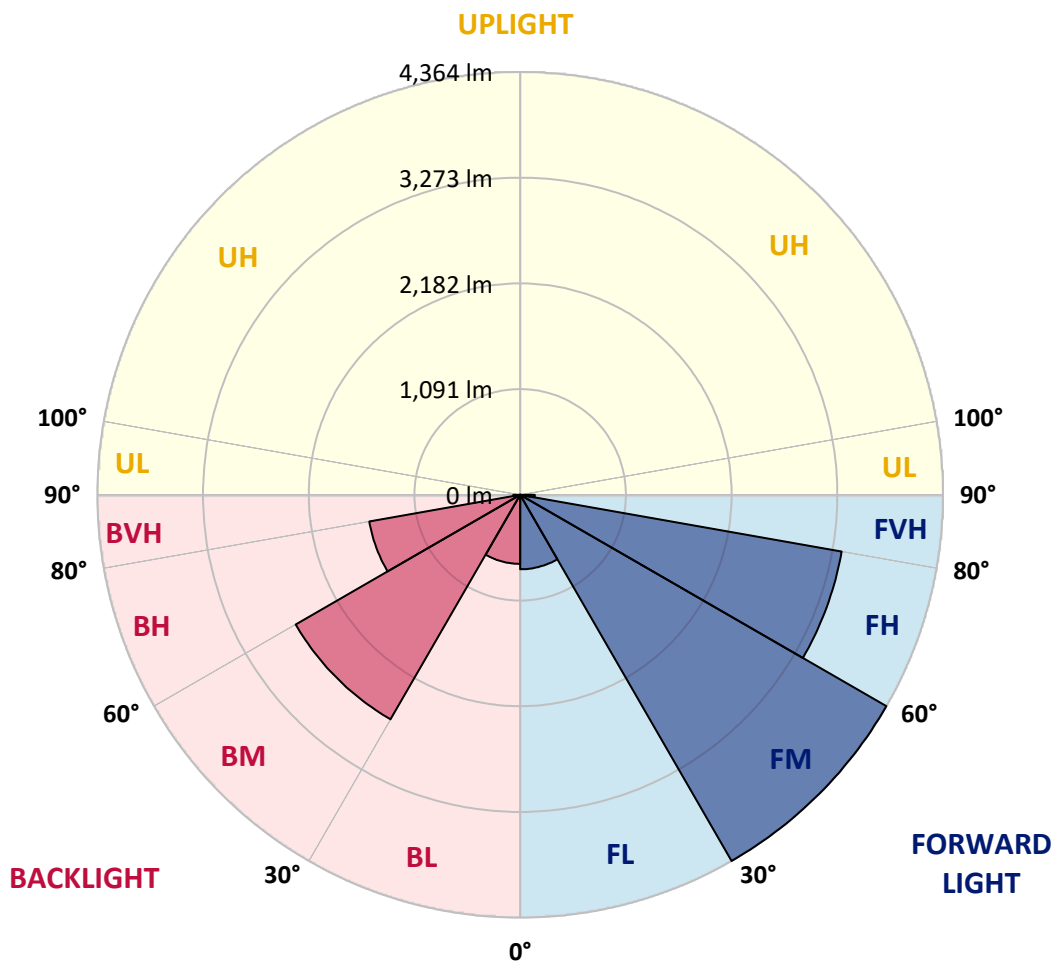
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	768.7	5.6			
FM	(30°-60°)	4364.4	31.9			
FH	(60°-80°)	3369.1	24.6			G2/5000
FVH	(80°-90°)	150.8	1.1			G2/225
BL	(0°-30°)	713.0	5.2	B2/1000		
BM	(30°-60°)	2675.3	19.5	B3/5000		
BH	(60°-80°)	1581.2	11.5	B3/2500		G3/2500
BVH	(80°-90°)	71.3	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°	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6
2.5°	1339.0	1338.1	1337.1	1333.5	1331.7	1324.4	1317.1	1312.5	1308.8	1310.7	1305.2
5°	1416.6	1416.6	1413.0	1408.4	1402.9	1392.9	1374.6	1365.5	1363.6	1363.6	1357.2
7.5°	1496.1	1501.5	1491.5	1487.8	1478.7	1463.2	1442.2	1430.3	1426.7	1426.7	1421.2
10°	1596.5	1593.8	1582.8	1575.5	1557.3	1536.3	1507.9	1494.2	1488.8	1493.3	1484.2
12.5°	1702.5	1701.6	1685.1	1671.4	1645.9	1612.1	1574.6	1556.3	1552.7	1552.7	1547.2
15°	1810.3	1811.2	1792.9	1767.3	1727.1	1681.5	1639.5	1622.1	1617.5	1615.7	1609.3
17.5°	1892.5	1901.6	1883.3	1850.4	1801.1	1750.9	1706.1	1688.8	1687.9	1686.0	1678.7
20°	1939.0	1940.9	1930.8	1907.1	1863.2	1814.8	1783.8	1775.6	1774.6	1775.6	1777.4
22.5°	1937.2	1940.0	1936.3	1927.2	1898.9	1872.4	1868.7	1873.3	1876.0	1873.3	1879.7
25°	1922.6	1926.3	1926.3	1930.8	1923.5	1932.6	1961.9	1974.7	1975.6	1977.4	1991.1
27.5°	1954.6	1958.2	1957.3	1965.5	1971.9	2003.9	2056.9	2079.7	2082.4	2088.8	2101.6
30°	2102.5	2103.4	2087.0	2086.1	2092.5	2118.1	2171.9	2198.4	2195.7	2208.5	2216.7
32.5°	2336.4	2343.7	2327.2	2309.9	2307.1	2310.8	2320.8	2339.1	2336.4	2342.7	2353.7
35°	2603.0	2604.0	2594.8	2604.9	2610.4	2585.7	2538.2	2533.6	2519.0	2521.8	2525.4
37.5°	2847.8	2854.2	2871.6	2935.5	2972.0	2911.8	2818.6	2760.1	2751.0	2746.4	2714.5
40°	3077.1	3109.0	3151.1	3234.2	3284.4	3306.3	3173.9	3056.1	3024.1	3011.3	2961.1
42.5°	3345.6	3362.0	3411.4	3506.4	3573.0	3672.6	3584.0	3454.3	3416.8	3362.0	3299.0
45°	3573.0	3584.0	3615.0	3695.4	3835.2	4001.4	4011.4	3921.0	3891.8	3837.0	3744.7
47.5°	3725.6	3724.6	3747.5	3826.0	4007.8	4261.7	4412.4	4408.7	4374.9	4355.8	4277.2
50°	3784.9	3784.0	3798.6	3886.3	4084.5	4417.0	4749.4	4863.6	4862.7	4870.0	4829.8
52.5°	3795.9	3795.0	3796.8	3867.1	4069.0	4470.8	4992.4	5261.8	5301.1	5350.4	5395.2
55°	3713.7	3722.8	3742.9	3816.9	4010.5	4448.9	5172.3	5635.4	5729.4	5829.9	5992.5
57.5°	3523.7	3541.1	3610.5	3742.9	3948.4	4395.0	5297.4	6097.5	6288.4	6531.4	6971.6
60°	3251.5	3267.1	3363.0	3538.3	3767.6	4160.3	5152.2	6291.2	6653.8	7075.7	7978.1
62.5°	2770.2	2814.0	2865.2	2989.4	3229.6	3545.6	4500.1	5964.2	6525.9	7145.1	8387.3
65°	1860.5	1842.2	1927.2	2085.2	2349.1	2594.8	3315.5	4919.3	5629.9	6482.0	8019.2
67.5°	1151.7	1154.5	1212.0	1366.4	1565.5	1756.4	2101.6	3135.5	3765.7	4575.9	6424.5
70°	951.7	962.7	1009.3	1152.6	1322.5	1538.1	1560.0	1662.3	1944.5	2336.4	3968.5
72.5°	755.3	759.9	807.4	927.1	1167.3	1463.2	1852.3	1263.2	1241.2	1300.6	2013.0
75°	468.5	472.2	495.9	572.7	757.2	1139.9	2039.5	1452.2	1360.9	1284.2	1297.0
77.5°	242.0	249.3	262.1	296.8	397.3	636.6	1605.7	1841.3	1737.2	1633.1	1429.4
80°	137.0	137.0	148.9	157.1	188.2	259.4	816.5	1992.9	2177.4	2222.2	1995.7
82.5°	61.2	68.5	92.2	98.6	107.8	118.7	270.4	1197.4	1661.4	2075.1	2564.7
85°	36.5	35.6	58.5	63.9	66.7	56.6	101.4	488.6	776.3	1136.2	1699.7
87.5°	14.6	15.5	24.7	26.5	31.1	22.8	38.4	105.0	154.4	223.8	316.0
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°	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6
2.5°	1304.3	1304.3	1303.4	1302.4	1301.5	1298.8	1297.9	1296.0	1295.1	1292.4	1291.5
5°	1356.3	1353.6	1352.7	1350.8	1349.9	1346.3	1346.3	1342.6	1339.9	1336.2	1335.3
7.5°	1418.4	1414.8	1412.0	1410.2	1409.3	1402.9	1402.9	1397.4	1396.5	1391.9	1390.1
10°	1481.5	1478.7	1475.1	1473.2	1472.3	1468.7	1465.0	1461.4	1458.6	1455.9	1452.2
12.5°	1544.5	1539.0	1537.2	1534.4	1532.6	1529.9	1528.9	1520.7	1520.7	1518.0	1514.3
15°	1605.7	1604.8	1598.4	1597.4	1595.6	1596.5	1591.1	1592.0	1589.2	1584.7	1582.8
17.5°	1680.6	1674.2	1676.9	1672.3	1673.3	1671.4	1669.6	1668.7	1670.5	1669.6	1671.4
20°	1773.7	1771.9	1774.6	1768.2	1774.6	1775.6	1773.7	1778.3	1776.5	1778.3	1772.8
22.5°	1884.2	1877.8	1877.8	1882.4	1885.2	1893.4	1888.8	1892.5	1896.1	1898.9	1895.2
25°	1995.7	1993.8	1997.5	2001.2	2006.6	2013.9	2012.1	2013.0	2020.3	2024.9	2025.8
27.5°	2108.9	2108.9	2119.9	2119.9	2127.2	2135.4	2138.2	2141.8	2147.3	2153.7	2153.7
30°	2225.8	2225.8	2235.9	2245.0	2248.7	2258.7	2264.2	2269.7	2279.7	2281.5	2289.8
32.5°	2359.2	2361.9	2372.0	2377.5	2385.7	2397.5	2399.4	2405.8	2417.6	2421.3	2427.7
35°	2532.7	2523.6	2532.7	2542.8	2547.3	2543.7	2563.8	2572.0	2580.2	2584.8	2593.0
37.5°	2711.7	2696.2	2697.1	2695.3	2684.3	2690.7	2690.7	2688.9	2694.4	2693.5	2697.1
40°	2938.2	2910.8	2902.6	2885.3	2861.5	2848.7	2835.0	2833.2	2819.5	2825.0	2814.9
42.5°	3248.8	3207.7	3185.8	3131.9	3102.7	3067.9	3034.1	3004.9	2989.4	2972.0	2959.3
45°	3675.3	3626.9	3573.9	3487.2	3436.9	3367.5	3322.8	3256.1	3211.3	3173.9	3147.4
47.5°	4210.5	4129.3	4086.3	4005.0	3917.4	3812.3	3716.4	3623.3	3547.5	3465.3	3400.4
50°	4832.5	4731.2	4697.4	4589.6	4540.3	4422.4	4320.1	4205.1	4086.3	3962.1	3843.4
52.5°	5383.3	5371.4	5385.1	5313.0	5311.1	5251.8	5138.5	5004.2	4893.7	4768.6	4612.4
55°	6043.6	6161.5	6187.0	6177.0	6230.9	6229.0	6218.1	6204.4	6116.7	5939.5	5885.6
57.5°	7209.1	7341.5	7537.0	7625.6	7821.0	7843.9	8024.7	7954.4	8088.6	8052.1	8076.8
60°	8395.5	8802.0	9172.8	9455.0	9729.0	9978.4	10283.4	10414.0	10511.7	10664.3	10825.0
62.5°	8926.2	9438.6	9880.6	10282.5	10623.2	10939.2	11201.3	11449.8	11645.2	11820.6	11955.8
65°	8711.5	9306.1	9737.2	10156.5	10474.3	10768.4	11028.7	11215.0	11409.6	11568.5	11711.9
67.5°	7252.9	8044.8	8607.4	9083.3	9482.4	9817.6	10088.0	10344.6	10482.5	10656.1	10733.7
70°	4804.2	5819.9	6615.4	7258.4	7891.3	8271.3	8591.9	8890.6	9047.6	9188.3	9275.1
72.5°	2638.7	3332.8	4182.2	4946.7	5555.0	6053.7	6427.2	6710.4	6872.0	6992.6	6867.5
75°	1495.2	1837.7	2253.2	2676.1	3137.4	3489.0	3587.6	3708.2	3736.5	3674.4	3513.7
77.5°	1374.6	1374.6	1375.5	1365.5	1385.6	1410.2	1395.6	1370.9	1259.5	1234.8	1200.1
80°	1787.4	1592.9	1384.6	1137.1	927.1	781.8	737.1	740.7	776.3	845.8	922.5
82.5°	2533.6	2341.8	2041.3	1664.1	1324.4	1039.4	852.2	766.3	765.4	834.8	934.4
85°	1847.7	1863.2	1796.6	1589.2	1267.7	998.3	806.5	619.3	559.0	559.0	551.7
87.5°	323.3	333.4	287.7	257.6	179.9	127.0	114.2	100.5	99.6	103.2	95.0
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°	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6
2.5°	1291.5	1289.7	1287.8	1286.9	1286.9	1285.1	1285.1	1283.3	1284.2	1283.3	1280.5
5°	1333.5	1332.6	1329.8	1325.3	1324.4	1320.7	1321.6	1318.0	1318.0	1316.1	1311.6
7.5°	1386.5	1384.6	1382.8	1379.2	1375.5	1375.5	1369.1	1369.1	1364.5	1362.7	1359.1
10°	1449.5	1444.0	1441.3	1437.6	1436.7	1435.8	1429.4	1429.4	1423.9	1423.0	1420.3
12.5°	1511.6	1507.9	1505.2	1503.4	1498.8	1497.9	1495.2	1492.4	1489.7	1487.8	1486.9
15°	1579.2	1577.4	1574.6	1574.6	1574.6	1570.0	1567.3	1565.5	1565.5	1562.7	1564.6
17.5°	1666.9	1669.6	1666.0	1664.1	1661.4	1666.0	1661.4	1661.4	1664.1	1664.1	1657.7
20°	1775.6	1779.2	1775.6	1776.5	1774.6	1775.6	1776.5	1778.3	1781.9	1775.6	1776.5
22.5°	1896.1	1897.0	1899.8	1897.0	1901.6	1898.9	1904.3	1908.9	1908.0	1906.2	1907.1
25°	2027.6	2024.9	2025.8	2034.0	2040.4	2038.6	2039.5	2046.8	2045.0	2043.2	2044.1
27.5°	2161.0	2159.2	2161.9	2169.2	2176.5	2175.6	2173.8	2179.3	2179.3	2174.7	2176.5
30°	2293.4	2296.2	2300.7	2300.7	2304.4	2308.0	2305.3	2311.7	2312.6	2308.9	2313.5
32.5°	2433.2	2438.6	2436.8	2449.6	2449.6	2450.5	2453.3	2452.3	2461.5	2454.2	2456.9
35°	2601.2	2603.0	2614.0	2623.1	2628.6	2633.2	2633.2	2635.9	2640.5	2636.8	2642.3
37.5°	2703.5	2707.2	2710.8	2716.3	2716.3	2716.3	2720.9	2721.8	2724.5	2723.6	2725.4
40°	2815.9	2816.8	2817.7	2818.6	2822.3	2824.1	2819.5	2825.9	2821.3	2823.2	2825.9
42.5°	2951.9	2939.2	2941.0	2938.2	2944.6	2936.4	2938.2	2945.6	2941.9	2947.4	2947.4
45°	3110.0	3095.3	3082.6	3075.3	3075.3	3064.3	3066.1	3068.9	3073.4	3080.7	3093.5
47.5°	3343.8	3293.5	3268.9	3243.3	3230.5	3216.8	3221.4	3222.3	3224.1	3236.0	3268.0
50°	3726.5	3642.4	3577.6	3500.0	3470.7	3447.0	3433.3	3434.2	3434.2	3458.9	3490.8
52.5°	4466.3	4310.1	4155.7	4020.6	3904.6	3848.9	3784.0	3767.6	3768.5	3789.5	3811.4
55°	5744.1	5529.4	5365.9	5065.4	4974.1	4717.5	4582.3	4504.6	4444.4	4473.6	4505.6
57.5°	8036.6	7838.4	7708.7	7349.7	7022.8	6929.6	6707.6	6527.7	6453.7	6367.9	6373.4
60°	10848.8	10746.5	10713.6	10503.5	10385.7	10019.5	9990.2	9762.8	9548.2	9362.8	9438.6
62.5°	12059.9	12107.4	12145.7	12219.7	12248.0	12213.3	12066.3	11965.8	11789.5	11546.6	11397.7
65°	11753.9	11862.6	12026.1	12180.4	12364.9	12518.4	12594.2	12565.0	12406.0	12155.8	11843.4
67.5°	10789.4	10899.9	11040.6	11236.0	11518.3	11816.9	12025.2	12157.6	12031.6	11806.0	11488.1
70°	9270.5	9378.3	9382.8	9655.9	9960.1	10336.4	10705.4	10844.2	10700.8	10550.1	10284.3
72.5°	6943.3	6878.4	6938.7	6989.0	7162.5	7400.0	7758.0	7742.5	7523.3	7406.4	6998.1
75°	3263.4	3219.6	3155.6	3113.6	3073.4	2989.4	3029.6	2857.9	2798.5	2822.3	2469.7
77.5°	1173.7	1113.4	1016.6	922.5	803.7	665.8	561.7	493.2	459.4	460.3	439.3
80°	984.6	1013.8	1000.1	907.0	773.6	629.3	471.3	357.1	305.1	283.1	269.4
82.5°	1067.7	1214.8	1287.8	1230.3	1039.4	800.1	515.1	311.5	228.3	195.5	187.2
85°	591.9	592.8	574.5	548.9	486.8	334.3	222.9	148.0	118.7	105.9	102.3
87.5°	100.5	95.9	95.9	89.5	78.5	76.7	68.5	64.8	57.5	53.0	51.1
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°	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6
2.5°	1277.8	1276.0	1275.0	1274.1	1274.1	1273.2	1273.2	1271.4	1269.6	1268.6	1267.7
5°	1307.0	1305.2	1303.4	1301.5	1301.5	1299.7	1297.9	1296.0	1293.3	1288.7	1287.8
7.5°	1356.3	1352.7	1352.7	1346.3	1346.3	1342.6	1339.9	1339.9	1336.2	1328.9	1328.0
10°	1417.5	1411.1	1408.4	1404.7	1402.9	1399.3	1399.3	1395.6	1393.8	1391.0	1381.9
12.5°	1483.3	1478.7	1476.9	1472.3	1469.6	1469.6	1467.8	1461.4	1465.9	1459.5	1455.0
15°	1562.7	1561.8	1553.6	1556.3	1555.4	1554.5	1555.4	1550.0	1549.0	1549.0	1543.6
17.5°	1662.3	1655.0	1655.9	1655.9	1657.7	1657.7	1650.4	1654.1	1655.0	1653.2	1651.3
20°	1779.2	1776.5	1779.2	1773.7	1779.2	1779.2	1782.9	1781.9	1782.9	1784.7	1784.7
22.5°	1904.3	1911.6	1912.6	1914.4	1908.0	1918.9	1918.9	1920.8	1925.3	1925.3	1927.2
25°	2056.0	2052.3	2047.7	2054.1	2056.0	2063.3	2065.1	2065.1	2072.4	2072.4	2075.1
27.5°	2182.0	2185.6	2184.7	2188.4	2186.6	2196.6	2200.3	2211.2	2208.5	2214.0	2221.3
30°	2311.7	2319.0	2315.3	2316.3	2320.8	2327.2	2334.5	2345.5	2347.3	2361.9	2365.6
32.5°	2461.5	2467.0	2471.5	2473.4	2473.4	2484.3	2496.2	2499.8	2519.0	2530.0	2542.8
35°	2651.5	2652.4	2655.1	2657.8	2656.0	2667.9	2679.8	2683.4	2703.5	2706.3	2732.7
37.5°	2731.8	2733.7	2744.6	2750.1	2753.8	2768.4	2790.3	2806.7	2828.6	2849.7	2879.8
40°	2832.3	2843.3	2853.3	2861.5	2875.2	2895.3	2929.1	2945.6	2978.4	3017.7	3046.9
42.5°	2959.3	2979.3	2986.7	3002.2	3036.0	3060.6	3094.4	3130.1	3173.9	3221.4	3256.1
45°	3110.0	3129.1	3156.5	3173.9	3213.2	3252.4	3306.3	3337.4	3382.1	3436.9	3475.3
47.5°	3292.6	3319.1	3346.5	3382.1	3428.7	3469.8	3523.7	3563.9	3608.6	3653.4	3695.4
50°	3520.1	3559.3	3595.9	3633.3	3695.4	3730.1	3783.1	3825.1	3867.1	3911.9	3950.2
52.5°	3826.0	3885.4	3932.0	3957.5	4041.6	4076.3	4141.1	4170.4	4205.1	4245.3	4294.6
55°	4493.7	4585.9	4664.5	4710.1	4838.0	4883.7	4967.7	5010.6	4986.9	5038.0	5126.6
57.5°	6424.5	6537.8	6631.8	6693.9	6824.6	6888.5	6893.1	7053.8	6958.8	7052.9	7066.6
60°	9236.7	9326.2	9303.4	9304.3	9263.2	9203.8	9318.0	9144.5	9217.5	9222.1	9058.6
62.5°	11122.8	10985.8	10921.8	10815.9	10692.6	10597.6	10532.8	10393.0	10281.6	10193.0	10020.4
65°	11566.7	11329.2	11119.1	10920.9	10739.2	10613.1	10476.1	10326.3	10151.9	10004.8	9836.8
67.5°	11137.4	10804.9	10493.5	10232.3	9983.8	9817.6	9619.4	9476.9	9257.7	9064.1	8936.2
70°	9892.5	9432.2	9068.7	8901.5	8654.9	8297.8	8108.7	7930.6	7796.4	7621.0	7543.4
72.5°	6939.6	6371.5	6091.1	6102.1	5851.8	5596.1	5602.5	5493.8	5320.3	5314.8	5288.3
75°	2550.1	2319.9	2158.2	2165.6	2072.4	1972.8	2000.2	2029.5	1972.8	2087.9	1909.8
77.5°	405.5	394.6	390.9	382.7	362.6	377.2	367.2	386.3	389.1	410.1	411.9
80°	258.5	247.5	244.8	240.2	239.3	239.3	237.5	237.5	237.5	238.4	236.6
82.5°	172.6	166.2	165.3	162.6	167.1	168.1	169.0	176.3	182.7	184.5	191.8
85°	94.1	89.5	89.5	87.7	91.3	92.2	100.5	110.5	123.3	128.8	140.7
87.5°	47.5	50.2	49.3	51.1	53.9	60.3	66.7	73.1	80.4	90.4	98.6
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°	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6	1268.6
2.5°	1265.9	1265.0	1265.0	1263.2	1263.2	1262.3	1260.4	1258.6	1250.4	1240.3	1233.9
5°	1285.1	1283.3	1282.3	1280.5	1277.8	1277.8	1275.0	1271.4	1255.9	1239.4	1229.4
7.5°	1324.4	1323.4	1320.7	1317.1	1313.4	1309.7	1307.9	1306.1	1282.3	1266.8	1259.5
10°	1381.0	1380.1	1373.7	1372.8	1367.3	1368.2	1363.6	1360.0	1344.5	1327.1	1317.1
12.5°	1453.1	1456.8	1453.1	1444.9	1446.7	1444.0	1439.4	1434.9	1421.2	1407.5	1391.9
15°	1542.6	1538.1	1534.4	1541.7	1535.3	1534.4	1537.2	1538.1	1521.6	1507.0	1485.1
17.5°	1654.1	1654.1	1652.3	1654.1	1650.4	1653.2	1651.3	1653.2	1645.9	1625.8	1593.8
20°	1781.0	1788.3	1788.3	1785.6	1784.7	1790.2	1792.9	1782.9	1784.7	1767.3	1709.8
22.5°	1929.0	1934.5	1936.3	1933.6	1934.5	1941.8	1946.3	1939.0	1955.5	1927.2	1838.6
25°	2081.5	2089.7	2086.1	2087.0	2094.3	2102.5	2110.8	2103.4	2135.4	2091.6	1975.6
27.5°	2232.2	2239.5	2237.7	2243.2	2255.1	2266.0	2275.2	2272.4	2325.4	2267.8	2119.9
30°	2374.7	2392.1	2395.7	2402.1	2416.7	2435.0	2449.6	2448.7	2517.2	2439.6	2237.7
32.5°	2550.1	2569.3	2576.6	2590.3	2618.6	2631.4	2649.6	2651.5	2720.0	2590.3	2337.3
35°	2752.8	2772.0	2787.5	2797.6	2829.6	2845.1	2863.4	2871.6	2917.2	2730.9	2406.7
37.5°	2909.9	2926.4	2956.5	2977.5	3005.8	3036.9	3057.9	3067.9	3093.5	2851.5	2438.6
40°	3081.6	3117.3	3146.5	3178.5	3209.5	3234.2	3253.4	3268.9	3258.8	2951.9	2424.9
42.5°	3299.0	3336.5	3375.7	3403.1	3419.6	3452.5	3461.6	3472.6	3390.4	2997.6	2362.8
45°	3525.5	3555.7	3588.6	3608.6	3630.6	3647.0	3649.7	3650.7	3488.1	2971.1	2250.5
47.5°	3743.8	3769.4	3792.2	3803.2	3814.2	3815.1	3810.5	3803.2	3540.1	2881.6	2115.3
50°	3983.1	3998.6	4008.7	4009.6	4019.7	4000.5	3987.7	3953.9	3534.7	2744.6	1972.8
52.5°	4327.5	4323.8	4311.0	4310.1	4278.1	4241.6	4217.9	4169.4	3497.2	2596.7	1808.4
55°	5118.4	5083.7	5123.9	5021.6	4936.7	4880.0	4745.8	4648.0	3534.7	2458.7	1619.4
57.5°	7019.1	6900.4	6913.1	6747.8	6567.0	6228.1	6028.1	5757.8	3828.8	2382.0	1381.0
60°	9023.9	8828.4	8643.9	8350.8	7966.2	7536.1	7148.8	6725.9	4121.0	2287.9	1127.1
62.5°	9851.4	9599.3	9278.7	8865.0	8370.9	7837.5	7302.2	6820.0	3960.3	2004.8	812.0
65°	9584.7	9283.3	8941.7	8401.9	7841.1	7220.9	6634.6	6124.9	3298.1	1465.9	490.5
67.5°	8637.6	8378.2	7957.1	7447.5	6753.3	6131.3	5551.3	5080.1	2431.3	906.0	281.3
70°	7273.0	6914.1	6554.2	6064.6	5333.1	4746.7	4206.9	3790.4	1542.6	447.5	207.3
72.5°	5019.8	4735.7	4448.0	4009.6	3463.4	3059.7	2595.7	2253.2	807.4	241.1	190.9
75°	1955.5	1924.4	1891.5	1692.4	1507.0	1207.4	1060.4	956.3	336.1	209.2	188.2
77.5°	429.3	454.8	469.5	444.8	423.8	378.1	361.7	323.3	224.7	214.6	186.3
80°	236.6	236.6	236.6	239.3	234.7	234.7	232.0	227.4	210.1	214.6	182.7
82.5°	193.6	196.4	200.0	200.9	200.0	200.9	199.1	198.2	205.5	215.6	173.5
85°	148.0	157.1	162.6	169.9	177.2	181.8	183.6	184.5	189.1	204.6	151.6
87.5°	105.0	112.3	124.2	126.0	134.3	144.3	148.0	153.4	150.7	155.3	71.2
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: P146359  
 CATALOG NUMBER: LDRL-T2-E05-E-7030

**CANDELA DISTRIBUTION (continued):**

	145°	155°	165°	175°	180°
0°	1268.6	1268.6	1268.6	1268.6	1268.6
2.5°	1228.5	1221.1	1218.4	1217.5	1215.7
5°	1221.1	1216.6	1212.9	1210.2	1212.0
7.5°	1254.0	1251.3	1244.9	1243.1	1245.8
10°	1312.5	1306.1	1297.0	1297.9	1297.0
12.5°	1385.6	1368.2	1353.6	1347.2	1342.6
15°	1460.4	1426.7	1396.5	1382.8	1377.3
17.5°	1543.6	1486.0	1439.4	1414.8	1410.2
20°	1631.2	1551.8	1491.5	1462.3	1457.7
22.5°	1732.6	1623.0	1546.3	1506.1	1499.7
25°	1831.3	1687.0	1584.7	1535.3	1527.1
27.5°	1920.8	1735.4	1607.5	1549.0	1540.8
30°	1995.7	1773.7	1626.7	1560.0	1550.9
32.5°	2045.0	1794.7	1633.1	1560.9	1550.0
35°	2060.5	1781.0	1605.7	1522.6	1513.4
37.5°	2027.6	1725.3	1532.6	1438.5	1431.2
40°	1952.7	1622.1	1417.5	1319.8	1310.7
42.5°	1835.8	1491.5	1284.2	1181.0	1172.7
45°	1706.1	1351.8	1142.6	1039.4	1031.2
47.5°	1564.6	1203.8	993.7	898.7	885.9
50°	1409.3	1043.0	842.1	748.9	737.1
52.5°	1227.5	867.7	681.4	597.3	590.0
55°	1014.7	691.4	542.5	481.3	474.0
57.5°	789.1	526.1	431.1	401.0	389.1
60°	572.7	400.0	343.4	328.8	322.4
62.5°	389.1	298.7	276.7	272.2	267.6
65°	264.0	233.8	227.4	228.3	225.6
67.5°	208.2	196.4	192.7	194.5	193.6
70°	182.7	173.5	172.6	174.4	173.5
72.5°	172.6	160.7	162.6	165.3	164.4
75°	168.1	155.3	158.9	160.7	156.2
77.5°	163.5	147.0	158.0	161.7	152.5
80°	157.1	139.7	165.3	163.5	146.1
82.5°	143.4	123.3	161.7	148.0	131.5
85°	116.9	92.2	181.8	130.6	95.9
87.5°	74.9	55.7	126.0	99.6	63.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)