

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: P146363

Luminaire Tested: **LDRL-T2-F05-E-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P146363  
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-F05-E-8030  
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (35) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10446 lumens  
Efficiency: N/A  
Efficacy: 78.4 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

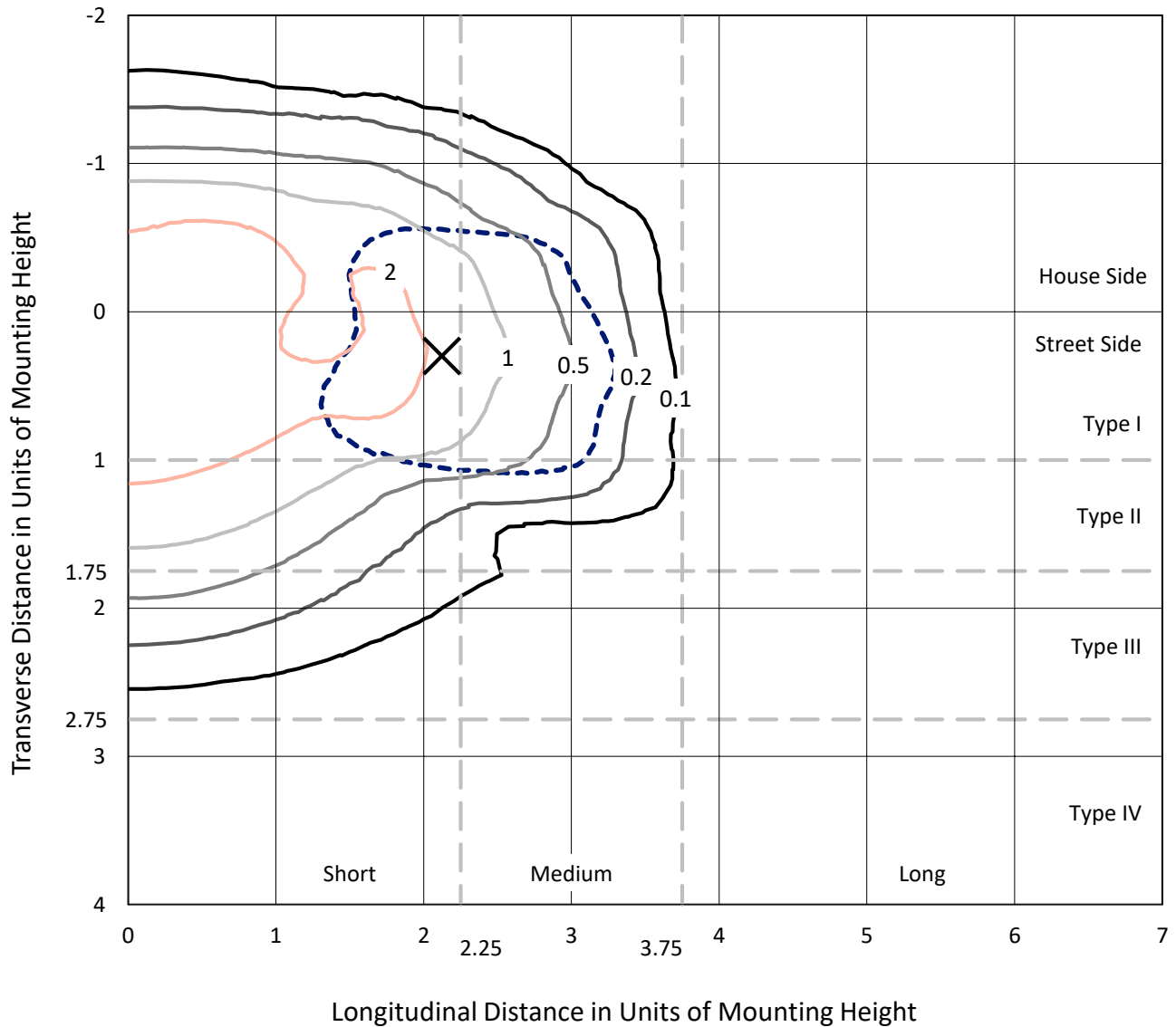
Input Watts (W): 133.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

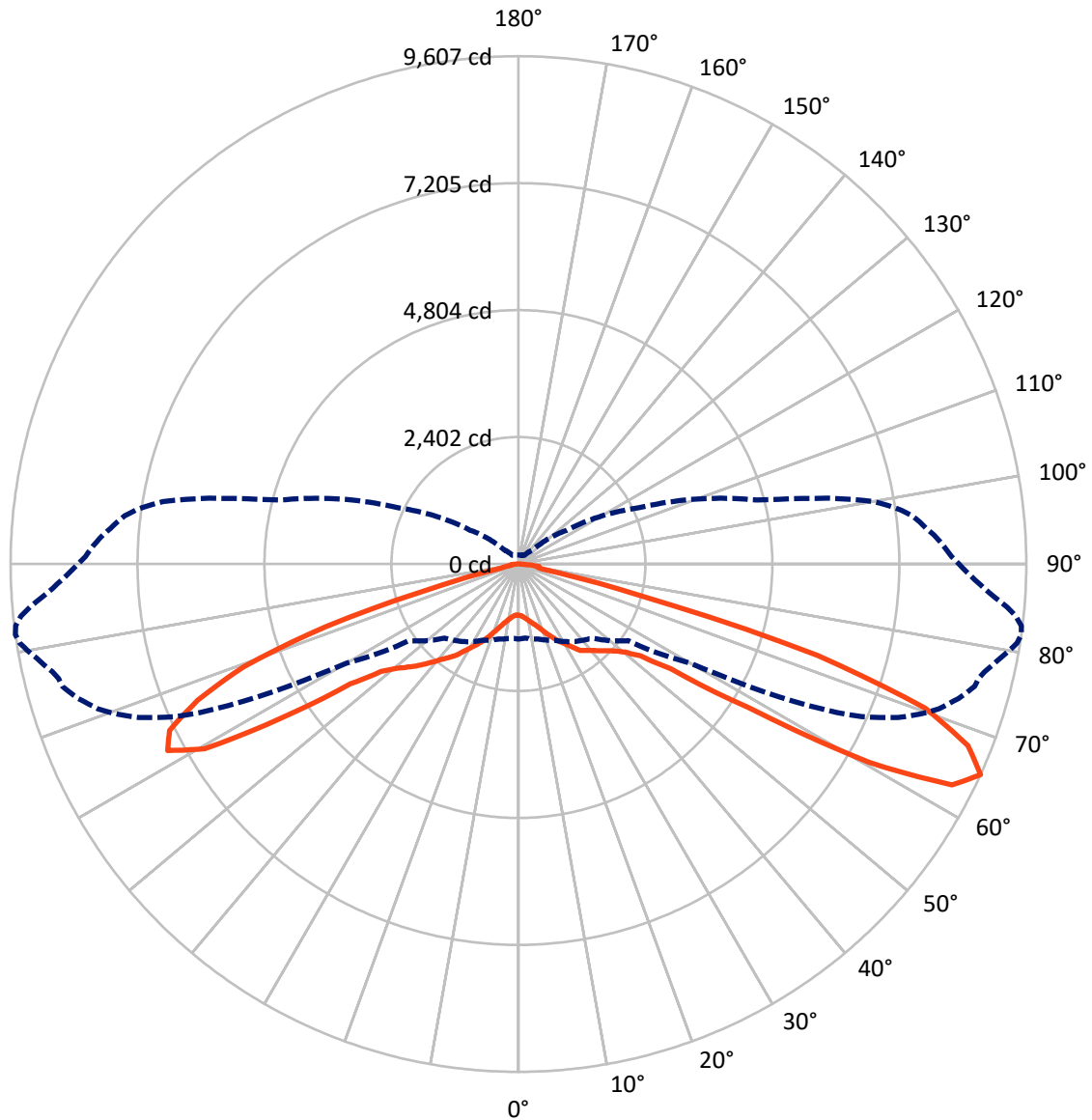
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 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	3845.3	0.0	3845.3
	% Fixture	36.8	0.0	36.8
<b>Street Side</b>	Lumens	6600.8	0.0	6600.8
	% Fixture	63.2	0.0	63.2
<b>Total</b>	Lumens	10446.0	0.0	10446.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.2	0.9
10°-20°	345.9	3.3
20°-30°	686.2	6.6
30°-40°	1170.8	11.2
40°-50°	1755.6	16.8
50°-60°	2443.7	23.4
60°-70°	2807.5	26.9
70°-80°	968.8	9.3
80°-90°	169.4	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°	10446.0	100.0
0°-180°	10446.0	100.0



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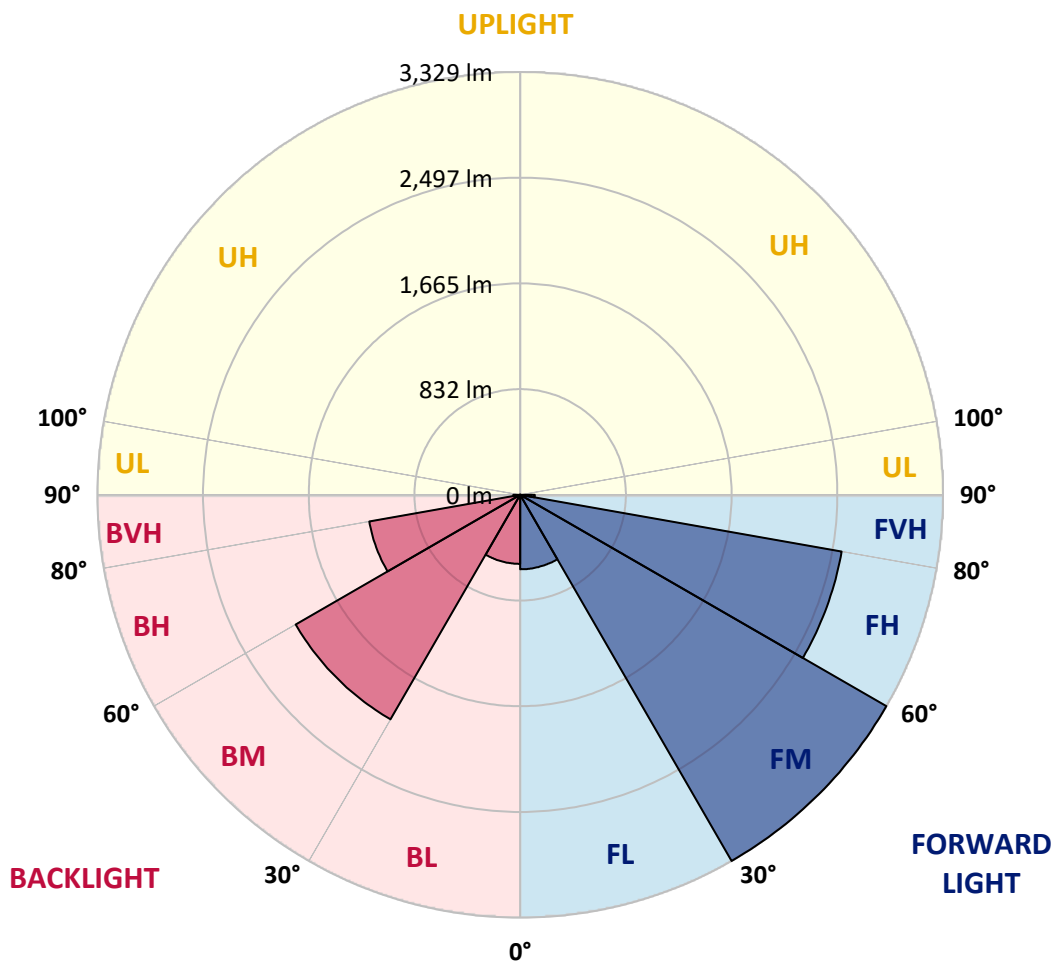
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	586.4	5.6			
FM (30°-60°)	3329.3	31.9			
FH (60°-80°)	2570.1	24.6			G2/5000
FVH (80°-90°)	115.1	1.1			G2/225
BL (0°-30°)	543.9	5.2	B2/1000		
BM (30°-60°)	2040.8	19.5	B2/2500		
BH (60°-80°)	1206.2	11.5	B3/2500		G3/2500
BVH (80°-90°)	54.4	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°	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8
2.5°	1021.4	1020.7	1020.0	1017.2	1015.8	1010.3	1004.7	1001.2	998.4	999.8	995.6
5°	1080.6	1080.6	1077.8	1074.4	1070.2	1062.5	1048.6	1041.6	1040.2	1040.2	1035.3
7.5°	1141.3	1145.4	1137.8	1135.0	1128.0	1116.2	1100.1	1091.1	1088.3	1088.3	1084.1
10°	1217.9	1215.8	1207.4	1201.9	1187.9	1171.9	1150.3	1139.9	1135.7	1139.2	1132.2
12.5°	1298.7	1298.0	1285.5	1275.0	1255.5	1229.7	1201.2	1187.2	1184.5	1184.5	1180.3
15°	1380.9	1381.6	1367.7	1348.2	1317.5	1282.7	1250.6	1237.4	1233.9	1232.5	1227.6
17.5°	1443.6	1450.6	1436.7	1411.6	1374.0	1335.6	1301.5	1288.3	1287.6	1286.2	1280.6
20°	1479.2	1480.6	1472.9	1454.8	1421.3	1384.4	1360.7	1354.5	1353.8	1354.5	1355.8
22.5°	1477.8	1479.9	1477.1	1470.1	1448.5	1428.3	1425.5	1429.0	1431.1	1429.0	1433.9
25°	1466.6	1469.4	1469.4	1472.9	1467.3	1474.3	1496.6	1506.3	1507.0	1508.4	1518.9
27.5°	1491.0	1493.8	1493.1	1499.4	1504.3	1528.6	1569.0	1586.5	1588.6	1593.4	1603.2
30°	1603.9	1604.6	1592.0	1591.3	1596.2	1615.7	1656.8	1677.0	1675.0	1684.7	1691.0
32.5°	1782.2	1787.8	1775.3	1762.0	1760.0	1762.7	1770.4	1784.3	1782.2	1787.1	1795.5
35°	1985.7	1986.4	1979.4	1987.1	1991.3	1972.5	1936.2	1932.7	1921.6	1923.7	1926.5
37.5°	2172.4	2177.3	2190.5	2239.3	2267.2	2221.2	2150.1	2105.5	2098.6	2095.1	2070.7
40°	2347.3	2371.7	2403.7	2467.1	2505.5	2522.2	2421.2	2331.3	2306.9	2297.1	2258.8
42.5°	2552.1	2564.7	2602.3	2674.8	2725.6	2801.6	2734.0	2635.1	2606.5	2564.7	2516.6
45°	2725.6	2734.0	2757.7	2819.0	2925.6	3052.4	3060.1	2991.1	2968.8	2927.0	2856.6
47.5°	2842.0	2841.3	2858.7	2918.6	3057.3	3251.0	3365.9	3363.1	3337.4	3322.7	3262.8
50°	2887.3	2886.6	2897.7	2964.6	3115.8	3369.4	3623.0	3710.1	3709.4	3715.0	3684.3
52.5°	2895.6	2894.9	2896.3	2950.0	3104.0	3410.5	3808.4	4013.9	4043.9	4081.5	4115.6
55°	2832.9	2839.9	2855.2	2911.7	3059.4	3393.8	3945.6	4298.9	4370.6	4447.3	4571.3
57.5°	2688.0	2701.2	2754.2	2855.2	3012.0	3352.7	4041.1	4651.4	4797.0	4982.4	5318.2
60°	2480.4	2492.2	2565.4	2699.2	2874.0	3173.6	3930.3	4799.1	5075.7	5397.6	6086.0
62.5°	2113.2	2146.6	2185.7	2280.4	2463.7	2704.7	3432.8	4549.7	4978.2	5450.6	6398.1
65°	1419.3	1405.3	1470.1	1590.6	1792.0	1979.4	2529.2	3752.6	4294.7	4944.7	6117.3
67.5°	878.6	880.7	924.6	1042.3	1194.2	1339.8	1603.2	2391.9	2872.6	3490.6	4900.8
70°	726.0	734.4	769.9	879.3	1008.9	1173.3	1190.0	1268.1	1483.3	1782.2	3027.3
72.5°	576.2	579.7	615.9	707.2	890.4	1116.2	1413.0	963.6	946.9	992.2	1535.6
75°	357.4	360.2	378.3	436.9	577.6	869.5	1555.8	1107.8	1038.1	979.6	989.4
77.5°	184.6	190.2	200.0	226.4	303.1	485.6	1224.9	1404.6	1325.2	1245.8	1090.4
80°	104.5	104.5	113.6	119.8	143.5	197.9	622.9	1520.3	1661.0	1695.2	1522.4
82.5°	46.7	52.3	70.4	75.2	82.2	90.6	206.2	913.4	1267.4	1583.0	1956.4
85°	27.9	27.2	44.6	48.8	50.9	43.2	77.3	372.8	592.2	866.7	1296.6
87.5°	11.1	11.8	18.8	20.2	23.7	17.4	29.3	80.1	117.7	170.7	241.1
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8
2.5°	994.9	994.9	994.2	993.5	992.8	990.8	990.1	988.7	988.0	985.9	985.2
5°	1034.7	1032.6	1031.9	1030.5	1029.8	1027.0	1027.0	1024.2	1022.1	1019.3	1018.6
7.5°	1082.0	1079.2	1077.2	1075.8	1075.1	1070.2	1070.2	1066.0	1065.3	1061.8	1060.4
10°	1130.1	1128.0	1125.2	1123.8	1123.1	1120.4	1117.6	1114.8	1112.7	1110.6	1107.8
12.5°	1178.2	1174.0	1172.6	1170.5	1169.1	1167.0	1166.3	1160.1	1160.1	1158.0	1155.2
15°	1224.9	1224.2	1219.3	1218.6	1217.2	1217.9	1213.7	1214.4	1212.3	1208.8	1207.4
17.5°	1282.0	1277.1	1279.2	1275.7	1276.4	1275.0	1273.6	1272.9	1274.3	1273.6	1275.0
20°	1353.1	1351.7	1353.8	1348.9	1353.8	1354.5	1353.1	1356.5	1355.2	1356.5	1352.4
22.5°	1437.4	1432.5	1432.5	1436.0	1438.1	1444.3	1440.8	1443.6	1446.4	1448.5	1445.7
25°	1522.4	1521.0	1523.8	1526.5	1530.7	1536.3	1534.9	1535.6	1541.2	1544.7	1545.4
27.5°	1608.8	1608.8	1617.1	1617.1	1622.7	1629.0	1631.1	1633.8	1638.0	1642.9	1642.9
30°	1697.9	1697.9	1705.6	1712.6	1715.4	1723.0	1727.2	1731.4	1739.1	1740.4	1746.7
32.5°	1799.7	1801.8	1809.4	1813.6	1819.9	1828.9	1830.3	1835.2	1844.3	1847.0	1851.9
35°	1932.0	1925.1	1932.0	1939.7	1943.2	1940.4	1955.7	1962.0	1968.3	1971.8	1978.0
37.5°	2068.6	2056.8	2057.5	2056.1	2047.7	2052.6	2052.6	2051.2	2055.4	2054.7	2057.5
40°	2241.4	2220.5	2214.2	2201.0	2182.9	2173.1	2162.7	2161.3	2150.8	2155.0	2147.3
42.5°	2478.3	2446.9	2430.2	2389.1	2366.8	2340.3	2314.6	2292.3	2280.4	2267.2	2257.4
45°	2803.7	2766.7	2726.3	2660.1	2621.8	2568.9	2534.7	2483.9	2449.7	2421.2	2401.0
47.5°	3212.0	3149.9	3117.2	3055.2	2988.3	2908.2	2835.0	2763.9	2706.1	2643.4	2593.9
50°	3686.4	3609.1	3583.3	3501.1	3463.5	3373.6	3295.6	3207.8	3117.2	3022.4	2931.9
52.5°	4106.6	4097.5	4108.0	4052.9	4051.5	4006.2	3919.8	3817.4	3733.1	3637.7	3518.5
55°	4610.3	4700.2	4719.7	4712.0	4753.1	4751.7	4743.4	4732.9	4666.0	4530.9	4489.8
57.5°	5499.3	5600.4	5749.5	5817.0	5966.1	5983.6	6121.5	6067.9	6170.3	6142.4	6161.2
60°	6404.4	6714.4	6997.3	7212.6	7421.6	7611.8	7844.5	7944.2	8018.7	8135.1	8257.7
62.5°	6809.2	7200.1	7537.3	7843.8	8103.7	8344.8	8544.8	8734.3	8883.4	9017.2	9120.3
65°	6645.5	7099.0	7427.9	7747.7	7990.2	8214.5	8413.1	8555.2	8703.6	8824.9	8934.2
67.5°	5532.8	6136.8	6566.0	6929.0	7233.5	7489.2	7695.4	7891.2	7996.4	8128.8	8188.0
70°	3664.8	4439.6	5046.5	5537.0	6019.8	6309.6	6554.2	6782.0	6901.9	7009.2	7075.3
72.5°	2012.9	2542.4	3190.4	3773.5	4237.5	4618.0	4902.9	5118.9	5242.2	5334.2	5238.8
75°	1140.6	1401.8	1718.8	2041.4	2393.3	2661.5	2736.8	2828.7	2850.3	2803.0	2680.3
77.5°	1048.6	1048.6	1049.3	1041.6	1056.9	1075.8	1064.6	1045.8	960.8	942.0	915.5
80°	1363.5	1215.1	1056.3	867.4	707.2	596.4	562.3	565.1	592.2	645.2	703.7
82.5°	1932.7	1786.4	1557.2	1269.5	1010.3	792.9	650.1	584.6	583.9	636.8	712.8
85°	1409.5	1421.3	1370.5	1212.3	967.1	761.5	615.2	472.4	426.4	426.4	420.8
87.5°	246.6	254.3	219.5	196.5	137.3	96.8	87.1	76.6	75.9	78.7	72.5
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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**CANDELA DISTRIBUTION (continued):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8
2.5°	985.2	983.8	982.4	981.7	981.7	980.3	980.3	978.9	979.6	978.9	976.8
5°	1017.2	1016.5	1014.4	1011.0	1010.3	1007.5	1008.2	1005.4	1005.4	1004.0	1000.5
7.5°	1057.6	1056.3	1054.9	1052.1	1049.3	1049.3	1044.4	1044.4	1040.9	1039.5	1036.7
10°	1105.7	1101.5	1099.4	1096.7	1096.0	1095.3	1090.4	1090.4	1086.2	1085.5	1083.4
12.5°	1153.1	1150.3	1148.2	1146.8	1143.3	1142.6	1140.6	1138.5	1136.4	1135.0	1134.3
15°	1204.7	1203.3	1201.2	1201.2	1201.2	1197.7	1195.6	1194.2	1194.2	1192.1	1193.5
17.5°	1271.5	1273.6	1270.8	1269.5	1267.4	1270.8	1267.4	1267.4	1269.5	1269.5	1264.6
20°	1354.5	1357.2	1354.5	1355.2	1353.8	1354.5	1355.2	1356.5	1359.3	1354.5	1355.2
22.5°	1446.4	1447.1	1449.2	1447.1	1450.6	1448.5	1452.7	1456.2	1455.5	1454.1	1454.8
25°	1546.8	1544.7	1545.4	1551.6	1556.5	1555.1	1555.8	1561.4	1560.0	1558.6	1559.3
27.5°	1648.5	1647.1	1649.2	1654.7	1660.3	1659.6	1658.2	1662.4	1662.4	1658.9	1660.3
30°	1749.5	1751.6	1755.1	1755.1	1757.9	1760.7	1758.6	1763.4	1764.1	1761.3	1764.8
32.5°	1856.1	1860.3	1858.9	1868.6	1868.6	1869.3	1871.4	1870.7	1877.7	1872.1	1874.2
35°	1984.3	1985.7	1994.1	2001.0	2005.2	2008.7	2008.7	2010.8	2014.3	2011.5	2015.7
37.5°	2062.3	2065.1	2067.9	2072.1	2072.1	2072.1	2075.6	2076.3	2078.4	2077.7	2079.1
40°	2148.0	2148.7	2149.4	2150.1	2152.9	2154.3	2150.8	2155.7	2152.2	2153.6	2155.7
42.5°	2251.8	2242.1	2243.5	2241.4	2246.3	2240.0	2241.4	2247.0	2244.2	2248.4	2248.4
45°	2372.4	2361.2	2351.5	2345.9	2345.9	2337.5	2338.9	2341.0	2344.5	2350.1	2359.8
47.5°	2550.7	2512.4	2493.6	2474.1	2464.4	2453.9	2457.4	2458.1	2459.5	2468.5	2492.9
50°	2842.7	2778.6	2729.1	2669.9	2647.6	2629.5	2619.0	2619.7	2619.7	2638.5	2662.9
52.5°	3407.0	3287.9	3170.1	3067.0	2978.5	2936.0	2886.6	2874.0	2874.7	2890.8	2907.5
55°	4381.8	4218.0	4093.3	3864.1	3794.4	3598.6	3495.5	3436.3	3390.3	3412.6	3437.0
57.5°	6130.6	5979.4	5880.4	5606.6	5357.2	5286.1	5116.8	4979.6	4923.1	4857.6	4861.8
60°	8275.8	8197.8	8172.7	8012.5	7922.6	7643.2	7620.9	7447.4	7283.7	7142.2	7200.1
62.5°	9199.7	9235.9	9265.2	9321.6	9343.2	9316.7	9204.6	9127.9	8993.5	8808.1	8694.6
65°	8966.3	9049.2	9173.9	9291.7	9432.4	9549.5	9607.3	9585.0	9463.8	9272.9	9034.6
67.5°	8230.5	8314.8	8422.1	8571.2	8786.5	9014.4	9173.2	9274.2	9178.1	9006.0	8763.5
70°	7071.9	7154.1	7157.6	7365.9	7597.9	7885.0	8166.4	8272.3	8163.0	8048.0	7845.2
72.5°	5296.6	5247.1	5293.1	5331.4	5463.8	5645.0	5918.1	5906.2	5739.0	5649.8	5338.4
75°	2489.4	2456.0	2407.2	2375.2	2344.5	2280.4	2311.1	2180.1	2134.8	2152.9	1884.0
77.5°	895.3	849.3	775.5	703.7	613.1	507.9	428.5	376.2	350.5	351.2	335.1
80°	751.1	773.4	762.9	691.9	590.1	480.1	359.5	272.4	232.7	216.0	205.5
82.5°	814.5	926.7	982.4	938.5	792.9	610.3	393.0	237.6	174.2	149.1	142.8
85°	451.5	452.2	438.2	418.7	371.4	255.0	170.0	112.9	90.6	80.8	78.0
87.5°	76.6	73.2	73.2	68.3	59.9	58.5	52.3	49.5	43.9	40.4	39.0
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):**

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8
2.5°	974.7	973.3	972.6	971.9	971.9	971.2	971.2	969.9	968.5	967.8	967.1
5°	997.0	995.6	994.2	992.8	992.8	991.5	990.1	988.7	986.6	983.1	982.4
7.5°	1034.7	1031.9	1031.9	1027.0	1027.0	1024.2	1022.1	1022.1	1019.3	1013.8	1013.1
10°	1081.3	1076.5	1074.4	1071.6	1070.2	1067.4	1067.4	1064.6	1063.2	1061.1	1054.2
12.5°	1131.5	1128.0	1126.6	1123.1	1121.0	1121.0	1119.7	1114.8	1118.3	1113.4	1109.9
15°	1192.1	1191.4	1185.1	1187.2	1186.5	1185.8	1186.5	1182.4	1181.7	1181.7	1177.5
17.5°	1268.1	1262.5	1263.2	1263.2	1264.6	1264.6	1259.0	1261.8	1262.5	1261.1	1259.7
20°	1357.2	1355.2	1357.2	1353.1	1357.2	1357.2	1360.0	1359.3	1360.0	1361.4	1361.4
22.5°	1452.7	1458.3	1459.0	1460.4	1455.5	1463.8	1463.8	1465.2	1468.7	1468.7	1470.1
25°	1568.4	1565.6	1562.1	1567.0	1568.4	1573.9	1575.3	1575.3	1580.9	1580.9	1583.0
27.5°	1664.5	1667.3	1666.6	1669.4	1668.0	1675.6	1678.4	1686.8	1684.7	1688.9	1694.5
30°	1763.4	1769.0	1766.2	1766.9	1770.4	1775.3	1780.9	1789.2	1790.6	1801.8	1804.5
32.5°	1877.7	1881.9	1885.4	1886.8	1886.8	1895.1	1904.2	1907.0	1921.6	1930.0	1939.7
35°	2022.6	2023.3	2025.4	2027.5	2026.1	2035.2	2044.2	2047.0	2062.3	2064.4	2084.6
37.5°	2083.9	2085.3	2093.7	2097.9	2100.7	2111.8	2128.5	2141.1	2157.8	2173.8	2196.8
40°	2160.6	2168.9	2176.6	2182.9	2193.3	2208.7	2234.4	2247.0	2272.1	2302.0	2324.3
42.5°	2257.4	2272.8	2278.3	2290.2	2315.9	2334.8	2360.5	2387.7	2421.2	2457.4	2483.9
45°	2372.4	2387.0	2407.9	2421.2	2451.1	2481.1	2522.2	2545.9	2580.0	2621.8	2651.1
47.5°	2511.7	2531.9	2552.8	2580.0	2615.5	2646.9	2688.0	2718.7	2752.8	2786.9	2819.0
50°	2685.2	2715.2	2743.0	2771.6	2819.0	2845.5	2885.9	2917.9	2950.0	2984.1	3013.4
52.5°	2918.6	2963.9	2999.4	3019.0	3083.1	3109.5	3159.0	3181.3	3207.8	3238.4	3276.1
55°	3427.9	3498.3	3558.2	3593.1	3690.6	3725.4	3789.5	3822.3	3804.2	3843.2	3910.8
57.5°	4900.8	4987.2	5059.0	5106.4	5206.0	5254.8	5258.3	5380.9	5308.4	5380.2	5390.6
60°	7046.1	7114.4	7096.9	7097.6	7066.3	7021.0	7108.1	6975.7	7031.5	7034.9	6910.2
62.5°	8484.8	8380.3	8331.6	8250.7	8156.7	8084.2	8034.8	7928.2	7843.2	7775.6	7643.9
65°	8823.5	8642.3	8482.1	8330.9	8192.2	8096.1	7991.6	7877.3	7744.2	7632.0	7503.8
67.5°	8496.0	8242.4	8004.8	7805.5	7616.0	7489.2	7338.0	7229.3	7062.1	6914.4	6816.9
70°	7546.3	7195.2	6917.9	6790.4	6602.3	6329.8	6185.6	6049.8	5947.3	5813.6	5754.3
72.5°	5293.8	4860.4	4646.5	4654.9	4464.0	4268.9	4273.8	4190.9	4058.5	4054.3	4034.1
75°	1945.3	1769.7	1646.4	1652.0	1580.9	1504.9	1525.9	1548.1	1504.9	1592.7	1456.9
77.5°	309.4	301.0	298.2	291.9	276.6	287.8	280.1	294.7	296.8	312.8	314.2
80°	197.2	188.8	186.7	183.2	182.5	182.5	181.2	181.2	181.2	181.8	180.5
82.5°	131.7	126.8	126.1	124.0	127.5	128.2	128.9	134.5	139.3	140.7	146.3
85°	71.8	68.3	68.3	66.9	69.7	70.4	76.6	84.3	94.1	98.2	107.3
87.5°	36.2	38.3	37.6	39.0	41.1	46.0	50.9	55.7	61.3	69.0	75.2
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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CATALOG NUMBER: LDRL-T2-F05-E-8030

**CANDELA DISTRIBUTION (continued):**

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8
2.5°	965.7	965.0	965.0	963.6	963.6	962.9	961.5	960.1	953.8	946.2	941.3
5°	980.3	978.9	978.2	976.8	974.7	974.7	972.6	969.9	958.0	945.5	937.8
7.5°	1010.3	1009.6	1007.5	1004.7	1001.9	999.1	997.7	996.3	978.2	966.4	960.8
10°	1053.5	1052.8	1047.9	1047.2	1043.0	1043.7	1040.2	1037.4	1025.6	1012.4	1004.7
12.5°	1108.5	1111.3	1108.5	1102.2	1103.6	1101.5	1098.1	1094.6	1084.1	1073.7	1061.8
15°	1176.8	1173.3	1170.5	1176.1	1171.2	1170.5	1172.6	1173.3	1160.8	1149.6	1132.9
17.5°	1261.8	1261.8	1260.4	1261.8	1259.0	1261.1	1259.7	1261.1	1255.5	1240.2	1215.8
20°	1358.6	1364.2	1364.2	1362.1	1361.4	1365.6	1367.7	1360.0	1361.4	1348.2	1304.3
22.5°	1471.5	1475.7	1477.1	1475.0	1475.7	1481.3	1484.7	1479.2	1491.7	1470.1	1402.5
25°	1587.9	1594.1	1591.3	1592.0	1597.6	1603.9	1610.2	1604.6	1629.0	1595.5	1507.0
27.5°	1702.8	1708.4	1707.0	1711.2	1720.2	1728.6	1735.6	1733.5	1773.9	1730.0	1617.1
30°	1811.5	1824.8	1827.5	1832.4	1843.6	1857.5	1868.6	1867.9	1920.2	1861.0	1707.0
32.5°	1945.3	1959.9	1965.5	1975.9	1997.5	2007.3	2021.2	2022.6	2074.9	1975.9	1782.9
35°	2100.0	2114.6	2126.4	2134.1	2158.5	2170.3	2184.3	2190.5	2225.4	2083.2	1835.9
37.5°	2219.8	2232.3	2255.3	2271.4	2293.0	2316.6	2332.7	2340.3	2359.8	2175.2	1860.3
40°	2350.8	2378.0	2400.3	2424.6	2448.3	2467.1	2481.8	2493.6	2486.0	2251.8	1849.8
42.5°	2516.6	2545.2	2575.1	2596.0	2608.6	2633.7	2640.6	2649.0	2586.3	2286.7	1802.5
45°	2689.4	2712.4	2737.5	2752.8	2769.5	2782.1	2784.2	2784.9	2660.8	2266.5	1716.8
47.5°	2855.9	2875.4	2892.8	2901.2	2909.6	2910.3	2906.8	2901.2	2700.5	2198.2	1613.6
50°	3038.5	3050.3	3058.0	3058.7	3066.3	3051.7	3041.9	3016.2	2696.4	2093.7	1504.9
52.5°	3301.1	3298.3	3288.6	3287.9	3263.5	3235.6	3217.5	3180.6	2667.8	1980.8	1379.5
55°	3904.5	3878.0	3908.7	3830.7	3765.9	3722.7	3620.2	3545.7	2696.4	1875.6	1235.3
57.5°	5354.4	5263.8	5273.6	5147.5	5009.5	4751.0	4598.5	4392.2	2920.7	1817.1	1053.5
60°	6883.7	6734.6	6593.9	6370.3	6076.9	5748.8	5453.3	5130.8	3143.7	1745.3	859.8
62.5°	7515.0	7322.7	7078.1	6762.5	6385.6	5978.7	5570.4	5202.5	3021.0	1529.3	619.4
65°	7311.5	7081.6	6821.0	6409.3	5981.5	5508.4	5061.1	4672.3	2515.9	1118.3	374.1
67.5°	6589.0	6391.2	6070.0	5681.2	5151.7	4677.2	4234.8	3875.2	1854.7	691.2	214.6
70°	5548.1	5274.3	4999.8	4626.3	4068.2	3620.9	3209.2	2891.5	1176.8	341.4	158.2
72.5°	3829.3	3612.6	3393.1	3058.7	2642.0	2334.1	1980.1	1718.8	615.9	183.9	145.6
75°	1491.7	1468.0	1442.9	1291.1	1149.6	921.1	808.9	729.5	256.4	159.6	143.5
77.5°	327.5	347.0	358.1	339.3	323.3	288.4	275.9	246.6	171.4	163.7	142.1
80°	180.5	180.5	180.5	182.5	179.1	179.1	177.0	173.5	160.2	163.7	139.3
82.5°	147.7	149.8	152.6	153.3	152.6	153.3	151.9	151.2	156.8	164.4	132.4
85°	112.9	119.8	124.0	129.6	135.2	138.7	140.0	140.7	144.2	156.1	115.7
87.5°	80.1	85.7	94.8	96.1	102.4	110.1	112.9	117.1	115.0	118.4	54.3
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):**

	145°	155°	165°	175°	180°
0°	967.8	967.8	967.8	967.8	967.8
2.5°	937.1	931.5	929.4	928.7	927.4
5°	931.5	928.1	925.3	923.2	924.6
7.5°	956.6	954.5	949.7	948.3	950.3
10°	1001.2	996.3	989.4	990.1	989.4
12.5°	1056.9	1043.7	1032.6	1027.7	1024.2
15°	1114.1	1088.3	1065.3	1054.9	1050.7
17.5°	1177.5	1133.6	1098.1	1079.2	1075.8
20°	1244.4	1183.8	1137.8	1115.5	1112.0
22.5°	1321.7	1238.1	1179.6	1148.9	1144.0
25°	1397.0	1286.9	1208.8	1171.2	1164.9
27.5°	1465.2	1323.8	1226.3	1181.7	1175.4
30°	1522.4	1353.1	1240.9	1190.0	1183.1
32.5°	1560.0	1369.1	1245.8	1190.7	1182.4
35°	1571.8	1358.6	1224.9	1161.5	1154.5
37.5°	1546.8	1316.1	1169.1	1097.4	1091.8
40°	1489.6	1237.4	1081.3	1006.8	999.8
42.5°	1400.4	1137.8	979.6	900.9	894.6
45°	1301.5	1031.2	871.6	792.9	786.6
47.5°	1193.5	918.3	758.0	685.6	675.8
50°	1075.1	795.7	642.4	571.3	562.3
52.5°	936.4	661.9	519.8	455.7	450.1
55°	774.1	527.4	413.9	367.2	361.6
57.5°	602.0	401.3	328.9	305.9	296.8
60°	436.9	305.2	262.0	250.8	245.9
62.5°	296.8	227.8	211.1	207.6	204.1
65°	201.4	178.4	173.5	174.2	172.1
67.5°	158.9	149.8	147.0	148.4	147.7
70°	139.3	132.4	131.7	133.1	132.4
72.5°	131.7	122.6	124.0	126.1	125.4
75°	128.2	118.4	121.2	122.6	119.1
77.5°	124.7	112.2	120.5	123.3	116.4
80°	119.8	106.6	126.1	124.7	111.5
82.5°	109.4	94.1	123.3	112.9	100.3
85°	89.2	70.4	138.7	99.6	73.2
87.5°	57.1	42.5	96.1	75.9	48.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)