

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: P145145

Luminaire Tested: **LDRL-SL3-F03-E**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145145
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33702)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LDRL-SL3-F03-E
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7352.2 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

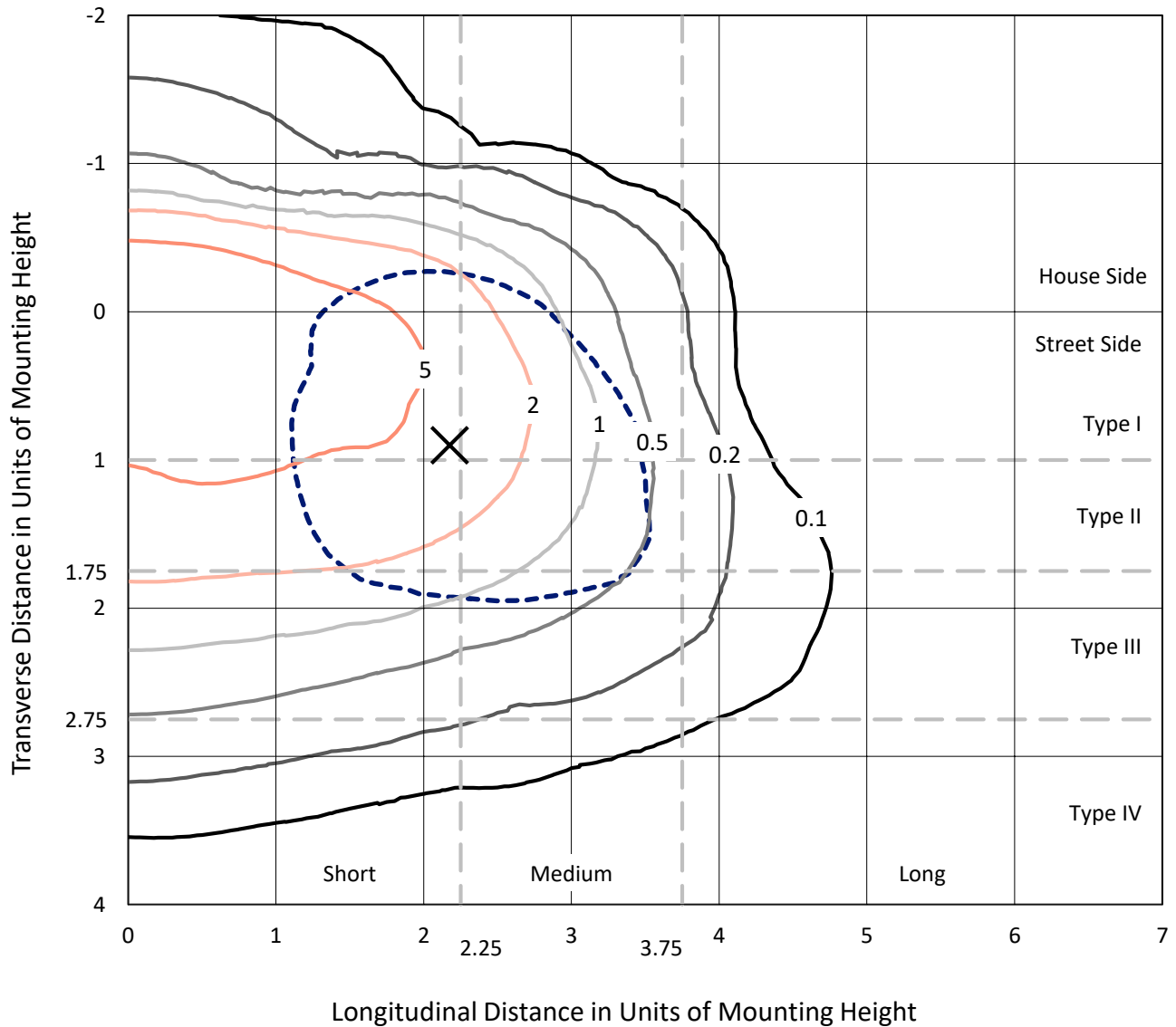
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

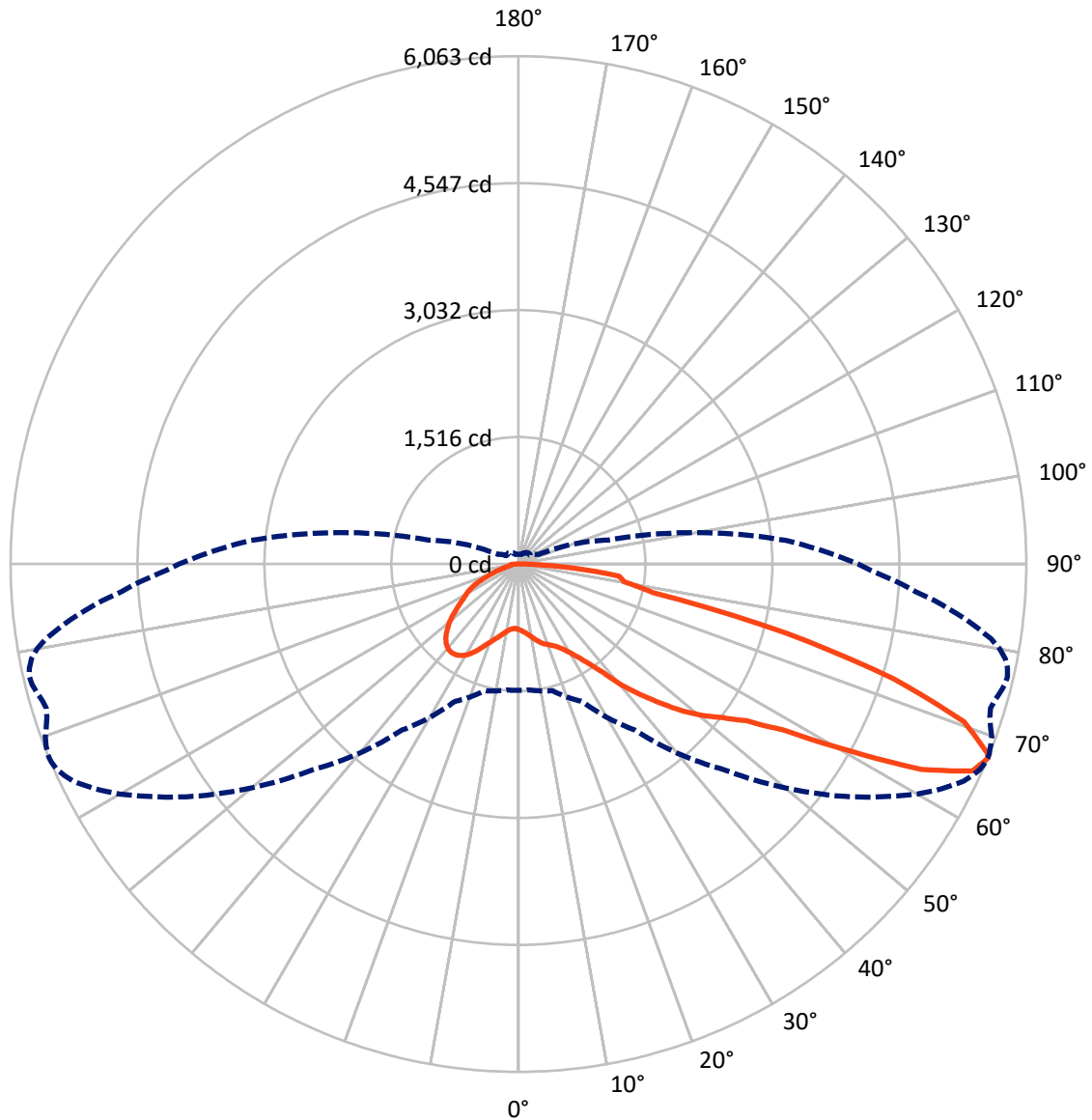
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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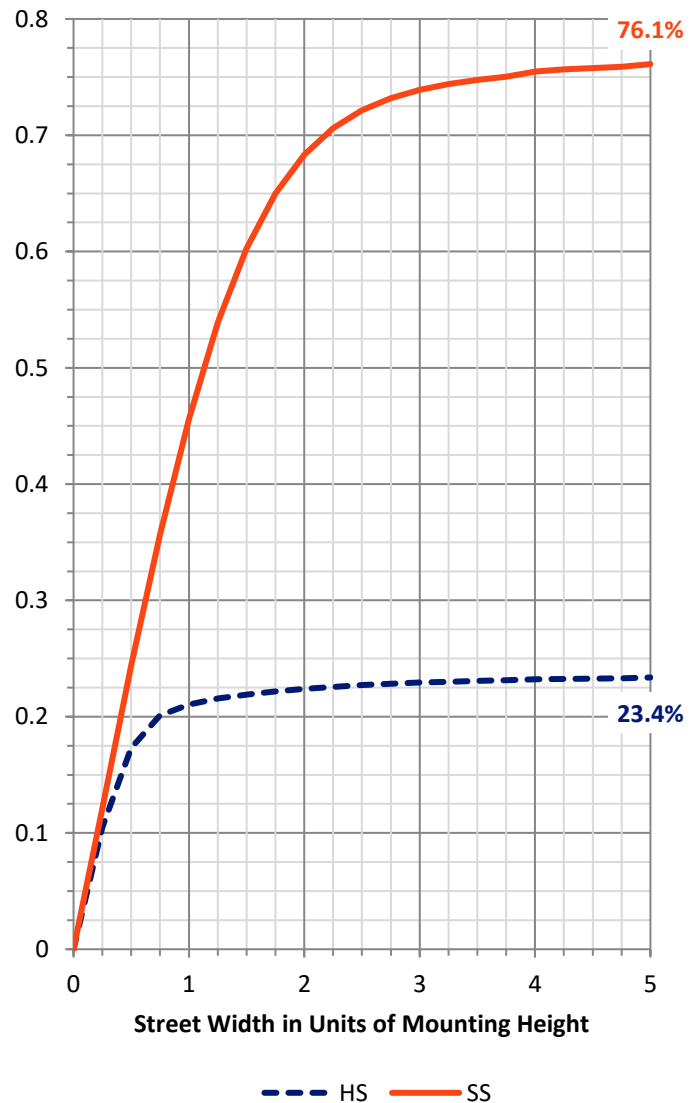
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1741.0	0.0	1741.0
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	5611.2	0.0	5611.2
	% Fixture	76.3	0.0	76.3
Total	Lumens	7352.2	0.0	7352.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	1.1
10°-20°	267.3	3.6
20°-30°	475.9	6.5
30°-40°	693.2	9.4
40°-50°	1068.0	14.5
50°-60°	1564.1	21.3
60°-70°	2077.0	28.3
70°-80°	979.0	13.3
80°-90°	149.7	2.0
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°	7352.2	100.0
0°-180°	7352.2	100.0



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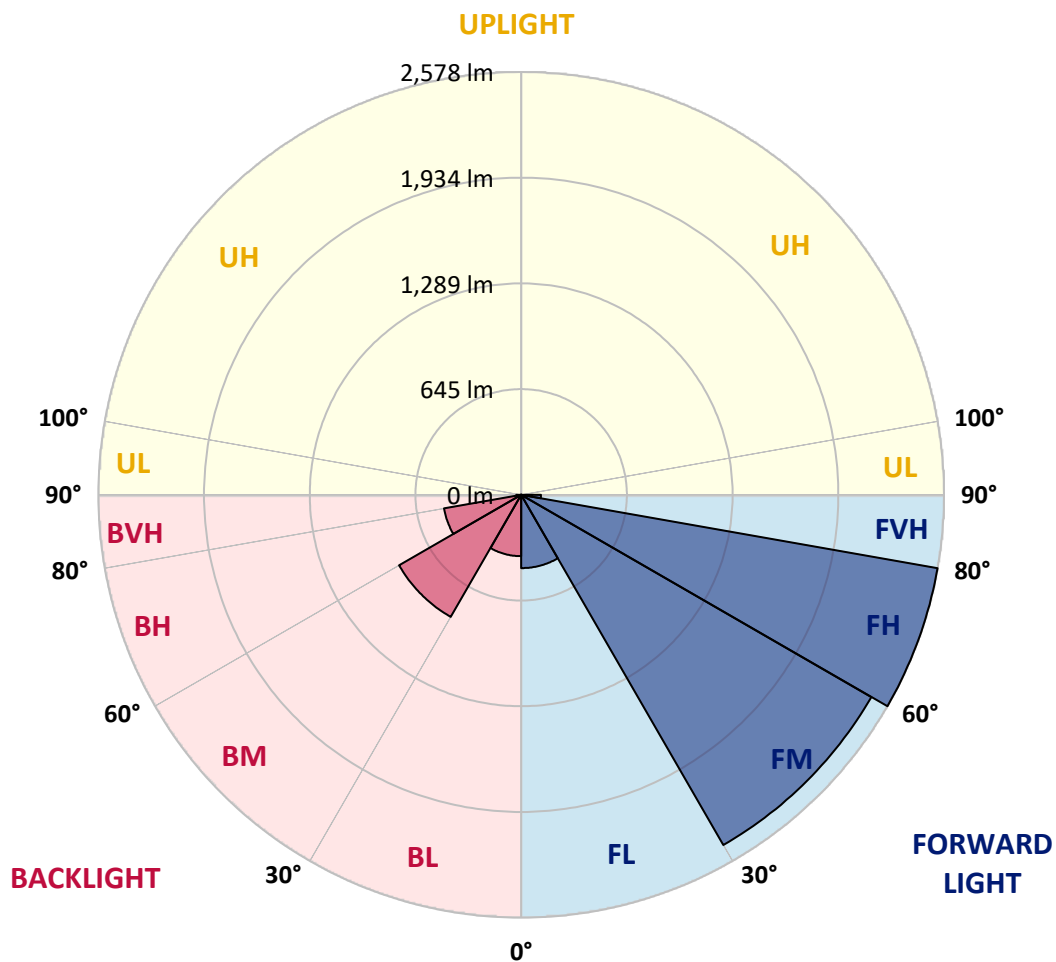
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	447.0	6.1			
FM	(30°-60°)	2465.6	33.5			
FH	(60°-80°)	2578.1	35.1			G2/5000
FVH	(80°-90°)	120.6	1.6			G2/225
BL	(0°-30°)	374.3	5.1	B1/500		
BM	(30°-60°)	859.7	11.7	B1/1000		
BH	(60°-80°)	477.9	6.5	B1/500		G1/500
BVH	(80°-90°)	29.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	782.1	782.1	782.1	782.1	782.1	782.1	782.1	782.1	782.1	782.1	782.1
2.5°	821.2	817.8	818.3	819.7	814.8	812.3	806.9	803.4	802.9	802.4	800.4
5°	869.3	865.8	867.3	863.3	853.9	847.5	836.1	830.1	829.2	828.2	825.7
7.5°	919.3	914.8	909.9	905.4	895.0	884.6	869.8	860.9	859.9	858.4	856.9
10°	978.7	972.3	968.3	954.5	936.6	922.3	907.4	898.0	897.5	896.0	893.1
12.5°	1045.6	1038.7	1031.2	1012.9	985.2	963.9	946.5	941.1	936.6	937.1	934.2
15°	1112.0	1104.6	1094.6	1071.4	1034.7	1003.0	980.7	972.8	973.3	970.8	972.3
17.5°	1168.0	1161.5	1147.1	1117.4	1074.8	1031.2	1003.0	999.5	1000.5	1000.0	1001.5
20°	1204.6	1200.6	1178.8	1143.2	1095.1	1047.1	1018.4	1018.4	1018.9	1020.8	1024.3
22.5°	1226.9	1221.0	1192.2	1142.2	1094.6	1054.5	1032.2	1037.2	1040.2	1041.6	1047.1
25°	1239.3	1231.8	1192.7	1126.3	1077.8	1060.0	1053.0	1065.4	1070.4	1072.9	1081.8
27.5°	1239.3	1230.4	1186.3	1106.5	1058.5	1076.3	1092.7	1114.0	1117.4	1124.9	1135.3
30°	1225.4	1218.5	1176.4	1091.7	1053.5	1107.0	1156.6	1180.8	1189.3	1197.7	1211.0
32.5°	1210.5	1204.6	1171.4	1099.6	1081.3	1171.4	1254.1	1287.3	1292.3	1299.2	1313.1
35°	1209.6	1207.6	1193.2	1150.1	1165.0	1289.3	1401.2	1424.0	1437.9	1441.4	1447.3
37.5°	1220.0	1223.9	1236.3	1231.8	1285.3	1464.6	1593.9	1639.5	1650.4	1644.4	1649.9
40°	1244.2	1254.1	1300.2	1357.2	1469.1	1676.6	1856.4	1908.9	1920.8	1917.4	1915.9
42.5°	1321.0	1334.4	1402.2	1524.1	1660.3	1896.1	2100.1	2156.6	2160.6	2162.5	2149.7
45°	1441.4	1448.8	1538.9	1694.5	1867.3	2132.3	2343.3	2406.2	2403.8	2393.9	2384.4
47.5°	1578.1	1593.4	1701.4	1889.6	2081.3	2350.8	2589.5	2650.9	2656.4	2647.5	2630.1
50°	1702.4	1714.3	1836.1	2059.5	2270.0	2532.5	2797.0	2859.0	2858.0	2862.9	2867.9
52.5°	1800.5	1811.4	1927.3	2172.9	2408.7	2685.1	2953.6	3029.8	3041.7	3049.7	3059.6
55°	1851.0	1862.4	1969.4	2220.0	2492.9	2834.2	3134.4	3243.8	3264.1	3282.0	3298.3
57.5°	1852.0	1866.8	1964.9	2216.5	2536.5	2967.4	3373.6	3570.2	3599.0	3644.5	3700.5
60°	1821.8	1842.6	1930.7	2184.3	2586.5	3136.3	3767.9	4144.3	4200.8	4280.5	4352.3
62.5°	1743.0	1763.8	1842.6	2102.6	2645.0	3352.8	4337.5	4889.3	5009.6	5097.8	5239.9
65°	1618.7	1638.5	1704.9	1967.4	2598.4	3523.7	4762.0	5423.7	5546.5	5657.0	5823.9
67°	1507.7	1509.7	1565.7	1812.4	2417.1	3470.7	4847.2	5495.0	5608.5	5720.4	5914.1
67.5°	1468.6	1479.5	1523.1	1760.8	2348.3	3431.5	4813.5	5456.4	5566.3	5685.7	5883.4
70°	1187.3	1190.2	1232.3	1404.7	1863.4	2845.1	4323.6	4963.6	5038.8	5213.7	5407.8
72.5°	724.2	719.2	732.6	860.4	1226.4	1970.4	3461.8	4086.3	4189.4	4338.5	4469.7
75°	398.7	422.5	438.8	527.5	689.0	1158.5	2357.2	2956.5	3107.6	3196.3	3222.5
77.5°	243.7	241.7	249.1	340.3	565.2	792.5	1302.2	1734.6	1818.8	1844.1	1746.5
80°	115.9	120.4	118.9	140.2	273.9	668.7	910.4	1114.0	1156.6	1180.8	1212.5
82.5°	63.4	65.9	74.8	83.7	108.0	287.8	785.6	1027.3	1056.0	1097.6	1144.2
85°	39.6	41.6	57.5	60.4	66.4	88.7	327.4	600.3	624.6	707.3	733.6
87.5°	16.3	17.8	31.2	28.2	33.7	31.2	99.1	152.6	162.0	172.4	191.2
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°	67.5°	68°	69°	70°	71°	72°	73°	74°
0°	782.1	782.1	782.1	782.1	782.1	782.1	782.1	782.1	782.1	782.1	782.1
2.5°	800.9	800.4	798.4	798.0	798.9	798.9	798.0	796.5	796.0	795.5	794.5
5°	824.7	823.7	822.2	821.2	820.7	820.7	819.3	817.8	816.3	814.3	813.8
7.5°	852.9	852.9	852.4	851.0	849.5	847.5	846.0	844.5	843.0	842.0	840.5
10°	890.1	892.1	888.6	887.6	887.1	884.1	883.6	882.2	881.2	878.7	878.7
12.5°	934.2	932.2	931.7	929.7	929.7	928.2	927.7	927.2	926.2	924.3	923.8
15°	970.8	970.8	970.3	969.3	970.3	969.3	967.8	968.8	967.4	967.8	966.4
17.5°	1000.5	1002.5	1002.0	1002.5	1002.0	1002.0	1003.0	1003.0	1004.0	1002.0	1002.5
20°	1025.3	1028.3	1029.8	1028.8	1029.8	1030.3	1032.7	1033.7	1035.2	1036.2	1036.2
22.5°	1051.1	1055.0	1058.0	1058.0	1060.0	1062.0	1066.4	1067.4	1070.9	1070.4	1072.9
25°	1087.2	1093.7	1095.6	1098.6	1101.1	1104.6	1110.0	1112.5	1114.0	1117.4	1121.4
27.5°	1142.7	1150.6	1152.1	1155.6	1162.0	1164.0	1169.9	1172.4	1177.9	1185.3	1186.8
30°	1218.5	1228.4	1228.9	1232.8	1240.3	1242.7	1247.7	1254.1	1258.6	1266.0	1266.5
32.5°	1321.5	1331.4	1329.9	1337.4	1336.9	1344.3	1342.8	1352.7	1356.7	1360.6	1371.5
35°	1458.7	1457.7	1465.1	1467.6	1466.1	1472.1	1471.1	1475.5	1479.5	1479.5	1491.4
37.5°	1656.3	1654.8	1653.9	1643.5	1641.0	1641.5	1639.5	1643.5	1637.0	1637.0	1649.9
40°	1921.3	1912.4	1905.5	1898.5	1891.6	1882.2	1874.3	1872.3	1861.4	1860.9	1855.9
42.5°	2151.6	2143.2	2138.3	2124.9	2118.0	2116.5	2097.2	2091.7	2088.7	2090.7	2085.8
45°	2393.4	2384.4	2365.6	2359.7	2357.7	2347.3	2344.3	2331.0	2327.0	2333.9	2331.4
47.5°	2642.5	2629.6	2619.2	2612.3	2609.8	2600.9	2588.0	2598.9	2593.5	2589.5	2582.1
50°	2866.4	2852.0	2852.0	2839.6	2841.6	2835.7	2822.3	2825.3	2809.9	2815.9	2811.9
52.5°	3054.1	3055.1	3060.1	3046.2	3048.7	3048.7	3044.2	3029.8	3033.8	3031.8	3041.2
55°	3292.9	3309.2	3300.3	3302.8	3305.7	3319.6	3329.5	3321.1	3307.2	3318.1	3348.3
57.5°	3710.4	3725.3	3734.2	3741.1	3752.5	3758.9	3812.4	3819.9	3804.0	3836.7	3904.1
60°	4436.5	4454.4	4481.1	4516.3	4523.7	4568.8	4596.5	4629.2	4641.1	4669.3	4741.7
62.5°	5309.8	5349.9	5354.8	5399.4	5434.1	5392.0	5402.9	5443.0	5397.4	5459.9	5462.8
65°	5881.4	5939.8	5941.8	5958.1	5971.0	5931.4	5913.6	5895.7	5852.6	5850.2	5893.3
67°	5979.4	6032.9	6055.2	6063.2	6061.2	6040.9	6011.6	5960.1	5918.5	5894.7	5912.6
67.5°	5951.7	6004.2	6035.4	6042.8	6043.3	6023.5	5996.8	5940.8	5901.7	5874.9	5893.8
70°	5496.0	5618.9	5672.3	5644.6	5660.5	5660.5	5659.5	5608.0	5588.6	5562.9	5553.0
72.5°	4569.8	4655.0	4722.8	4686.7	4691.1	4724.8	4716.9	4722.3	4666.9	4660.9	4569.3
75°	3273.5	3300.8	3278.0	3303.8	3165.1	3115.5	3031.3	2908.5	2876.3	2825.3	2672.7
77.5°	1739.1	1708.3	1647.4	1642.5	1585.5	1541.4	1486.9	1451.3	1361.1	1311.1	1196.7
80°	1228.4	1243.2	1266.5	1280.4	1293.3	1303.2	1282.9	1225.9	1150.6	1066.4	986.7
82.5°	1173.4	1193.7	1207.6	1214.5	1209.6	1193.7	1147.1	1092.7	992.1	919.3	833.1
85°	740.0	756.3	728.1	722.2	734.6	634.5	579.5	534.9	433.4	403.2	356.1
87.5°	198.6	209.5	210.0	203.6	199.6	175.8	155.5	137.7	113.9	107.0	86.7
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):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	782.1	782.1	782.1	782.1	782.1	782.1	782.1	782.1	782.1	782.1	782.1
2.5°	794.5	794.0	794.0	792.5	791.5	791.0	790.5	789.0	788.0	788.0	787.6
5°	813.3	812.3	810.8	810.3	808.4	807.4	805.4	804.4	802.9	801.9	801.4
7.5°	840.1	837.6	834.6	835.1	832.1	830.6	829.7	827.7	826.2	824.7	824.2
10°	875.7	875.2	872.2	873.2	867.8	870.3	865.3	865.8	862.8	859.9	859.4
12.5°	921.3	920.8	917.8	914.4	913.4	913.9	910.9	911.4	907.9	906.9	905.9
15°	964.9	963.9	962.4	959.9	958.4	957.9	956.9	956.0	953.0	953.0	949.5
17.5°	1002.5	1003.0	1001.0	999.1	998.1	996.6	996.1	996.1	993.6	991.1	991.6
20°	1035.7	1036.7	1036.7	1035.2	1035.7	1034.7	1034.2	1035.2	1032.7	1031.7	1030.3
22.5°	1072.9	1072.9	1073.3	1074.3	1075.8	1076.3	1076.3	1075.3	1073.8	1073.3	1070.4
25°	1124.4	1122.4	1124.9	1125.9	1125.9	1128.3	1127.3	1127.8	1128.3	1126.8	1125.4
27.5°	1189.3	1187.3	1192.2	1195.7	1195.2	1196.7	1199.7	1196.2	1198.2	1199.7	1196.2
30°	1269.0	1274.0	1277.4	1279.9	1278.9	1283.4	1284.8	1284.4	1282.9	1285.3	1285.3
32.5°	1370.5	1368.1	1377.0	1382.4	1382.9	1381.9	1384.4	1387.4	1384.9	1388.9	1386.9
35°	1491.4	1492.9	1494.9	1500.8	1503.3	1499.3	1503.3	1506.7	1505.8	1506.3	1508.2
37.5°	1647.4	1649.9	1647.9	1648.4	1647.4	1666.2	1669.2	1672.2	1668.7	1665.7	1674.7
40°	1863.9	1863.9	1863.4	1869.8	1858.9	1870.8	1867.3	1875.8	1884.7	1879.7	1893.1
42.5°	2076.9	2088.7	2089.7	2080.3	2088.2	2101.1	2101.1	2106.6	2114.5	2106.6	2119.5
45°	2321.0	2335.9	2333.4	2349.3	2337.4	2352.3	2354.7	2347.8	2365.1	2367.1	2362.2
47.5°	2587.5	2590.5	2591.0	2596.4	2598.9	2610.8	2610.3	2623.2	2619.2	2599.4	2606.3
50°	2815.9	2823.3	2827.3	2830.7	2843.1	2851.5	2862.9	2864.9	2861.9	2856.0	2850.5
52.5°	3044.2	3062.0	3073.4	3104.1	3123.5	3138.8	3157.6	3164.6	3161.1	3159.6	3137.8
55°	3349.8	3392.4	3458.3	3500.9	3547.4	3574.7	3596.5	3607.4	3599.5	3603.4	3558.3
57.5°	3925.4	4025.4	4082.9	4155.7	4237.9	4272.1	4281.5	4320.1	4277.5	4234.9	4200.8
60°	4780.8	4872.9	4977.4	5052.2	5080.0	5174.6	5130.0	5080.0	5034.4	4946.2	4846.7
62.5°	5553.0	5671.9	5725.3	5795.2	5776.4	5768.4	5738.7	5659.0	5561.4	5430.1	5297.4
65°	5933.9	6000.7	6033.9	6056.7	6035.4	5980.4	5882.4	5764.5	5624.8	5454.9	5280.6
67°	5949.2	5979.9	5990.8	5969.0	5921.5	5835.8	5712.0	5545.1	5373.2	5178.5	4982.4
67.5°	5924.0	5944.3	5949.7	5915.5	5859.1	5766.5	5634.2	5455.9	5273.1	5071.0	4873.9
70°	5579.2	5564.4	5516.3	5469.3	5292.9	5168.6	4938.3	4748.1	4494.5	4308.7	4098.2
72.5°	4532.6	4464.8	4418.2	4210.2	3997.2	3873.9	3626.2	3398.9	3167.5	2990.7	2861.4
75°	2544.4	2494.9	2365.6	2255.7	2079.8	1918.9	1803.4	1658.8	1520.1	1437.9	1377.5
77.5°	1149.6	1008.0	910.4	787.1	636.0	511.2	379.4	350.7	299.2	286.3	258.1
80°	897.0	795.5	667.7	526.5	371.5	249.6	183.3	155.5	146.1	140.2	137.2
82.5°	748.4	616.7	519.1	368.5	235.8	158.5	119.4	108.0	101.0	96.1	91.6
85°	320.0	253.1	208.5	149.1	106.0	83.7	73.3	66.9	60.4	55.0	51.5
87.5°	74.8	57.5	52.5	44.6	42.1	41.6	41.1	39.1	36.7	33.7	30.2
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-SL3-F03-E

CANDELA DISTRIBUTION (continued):

	86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°
0°	782.1	782.1	782.1	782.1	782.1	782.1	782.1	782.1	782.1	782.1	782.1
2.5°	787.1	786.6	785.6	784.1	784.1	782.1	775.7	771.2	766.3	763.3	760.3
5°	800.4	799.9	797.5	796.0	795.0	791.0	780.1	771.7	762.8	756.3	751.4
7.5°	822.7	821.2	819.3	818.3	815.3	810.3	794.5	782.6	769.7	759.3	750.9
10°	858.9	856.4	853.4	850.5	851.4	843.5	825.2	807.9	789.0	772.7	761.3
12.5°	903.0	903.0	901.5	899.5	896.0	887.1	862.3	842.0	819.3	798.9	790.5
15°	949.5	947.0	944.6	941.6	941.1	929.2	906.9	883.6	859.9	842.5	832.6
17.5°	987.7	988.6	985.2	984.2	983.2	971.3	947.5	926.7	909.4	891.1	875.2
20°	1028.3	1026.3	1025.3	1023.8	1023.3	1013.4	994.6	981.7	966.4	938.6	897.0
22.5°	1071.9	1069.4	1070.4	1067.4	1066.9	1060.0	1046.1	1042.1	1019.4	960.9	888.6
25°	1128.3	1123.9	1125.4	1125.4	1125.9	1119.4	1117.9	1111.0	1053.5	955.5	854.9
27.5°	1195.7	1197.7	1197.7	1197.2	1193.7	1195.7	1202.6	1178.8	1065.4	926.7	804.4
30°	1283.4	1284.4	1285.3	1288.8	1281.4	1294.3	1302.7	1226.9	1056.5	887.1	741.0
32.5°	1389.9	1385.9	1387.9	1389.9	1392.3	1405.7	1400.8	1251.2	1030.3	833.1	662.2
35°	1507.2	1514.7	1516.7	1521.1	1526.1	1546.4	1489.4	1256.1	990.1	760.8	561.7
37.5°	1682.1	1694.0	1694.0	1709.8	1700.4	1725.2	1568.7	1244.2	929.2	660.3	448.3
40°	1902.5	1908.0	1913.4	1915.4	1910.4	1907.5	1620.7	1215.0	843.5	533.9	327.9
42.5°	2127.4	2125.4	2125.9	2129.4	2116.0	2060.0	1652.9	1164.0	737.0	398.7	235.3
45°	2369.6	2361.2	2358.7	2351.8	2339.9	2222.0	1671.2	1092.2	596.9	280.3	184.8
47.5°	2605.4	2595.0	2579.1	2559.8	2537.0	2352.3	1669.2	999.1	457.7	200.6	163.0
50°	2847.1	2828.7	2794.6	2775.7	2737.1	2481.5	1657.8	895.5	329.4	165.9	152.6
52.5°	3123.5	3090.8	3059.1	3021.4	2957.5	2640.5	1640.5	779.1	240.2	152.1	145.6
55°	3535.6	3482.1	3430.1	3351.8	3289.9	2853.5	1611.3	653.8	189.7	146.6	141.7
57.5°	4103.7	4012.5	3946.7	3841.2	3742.1	3148.2	1580.1	539.9	169.4	145.1	139.7
60°	4743.1	4605.9	4483.1	4353.3	4240.4	3516.2	1563.7	450.7	164.9	146.6	140.2
62.5°	5144.3	4982.4	4828.8	4670.3	4507.9	3692.1	1492.9	389.3	166.9	153.1	144.1
65°	5093.8	4915.0	4748.1	4554.9	4401.9	3526.1	1312.6	329.4	170.4	164.4	155.0
67°	4753.0	4579.7	4389.5	4200.3	4051.7	3210.6	1108.0	277.4	174.4	177.3	166.9
67.5°	4661.9	4466.8	4275.1	4101.2	3940.2	3113.1	1054.5	264.5	175.3	180.8	170.9
70°	3887.7	3733.2	3508.8	3380.0	3263.6	2523.6	786.6	205.6	178.3	196.1	189.7
72.5°	2720.3	2570.7	2453.3	2383.0	2315.1	1833.7	553.3	163.9	173.9	204.6	198.1
75°	1374.0	1339.8	1298.7	1275.9	1276.9	1065.9	333.3	139.7	163.5	196.1	179.8
77.5°	271.4	264.5	267.5	292.7	288.3	328.4	165.4	118.4	139.2	151.1	129.3
80°	131.3	126.8	122.8	121.8	119.4	114.4	104.0	98.6	112.9	99.6	85.7
82.5°	85.2	80.2	78.3	74.3	74.8	81.2	90.6	94.6	91.6	68.8	58.0
85°	48.0	47.6	46.6	47.6	49.5	64.9	97.1	88.7	73.8	48.5	43.6
87.5°	28.7	27.2	27.7	28.2	29.2	48.0	76.8	63.9	47.1	25.3	25.8
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):

	155°	165°	175°	180°
0°	782.1	782.1	782.1	782.1
2.5°	759.8	757.8	757.8	757.3
5°	747.4	744.5	744.0	744.0
7.5°	745.4	741.5	741.0	739.5
10°	754.4	752.9	753.4	751.9
12.5°	782.6	784.6	786.6	786.6
15°	825.7	824.2	826.7	824.2
17.5°	857.4	844.5	841.5	840.1
20°	858.4	831.6	822.7	821.2
22.5°	827.7	788.0	773.2	770.7
25°	775.7	725.6	706.8	704.8
27.5°	710.3	654.3	626.6	625.6
30°	631.5	565.2	530.0	524.5
32.5°	535.4	456.7	419.5	407.6
35°	424.5	343.7	309.1	308.1
37.5°	317.0	254.1	231.8	230.8
40°	232.3	199.6	191.2	189.7
42.5°	189.7	176.3	172.9	171.4
45°	169.9	164.4	162.5	161.0
47.5°	158.0	154.5	153.1	153.1
50°	148.6	147.6	146.6	146.6
52.5°	142.2	141.7	140.7	140.2
55°	136.7	134.7	135.2	134.7
57.5°	133.2	130.3	130.3	130.3
60°	131.3	125.8	125.8	126.3
62.5°	131.8	123.3	122.8	122.8
65°	135.7	121.8	118.9	119.4
67°	140.7	120.4	114.4	113.9
67.5°	142.2	119.4	112.9	112.4
70°	148.1	116.4	105.5	104.5
72.5°	149.1	111.9	98.1	97.1
75°	138.7	106.0	92.1	89.7
77.5°	108.0	91.1	83.2	83.2
80°	75.8	69.8	59.4	58.9
82.5°	55.5	52.5	43.6	42.6
85°	40.6	38.1	32.2	32.2
87.5°	25.3	24.3	20.8	19.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)