

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: P144838

Luminaire Tested: **LDRL-SL2-E03-E-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P144838
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33701)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LDRL-SL2-E03-E-8030
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7413.6 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 75.2
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

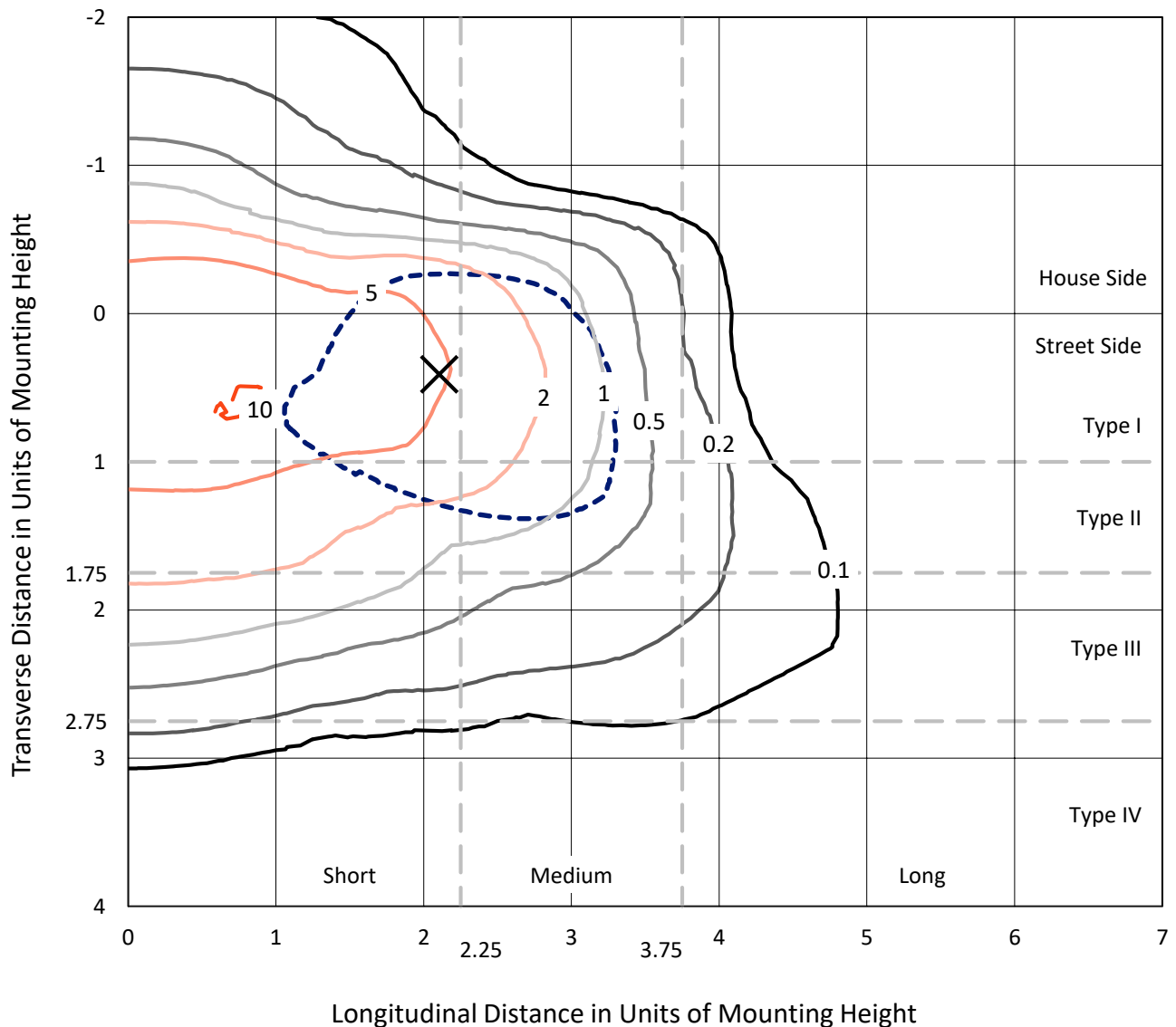


REPORT NUMBER: P144838

CATALOG NUMBER: LDRL-SL2-E03-E-8030

Iso-Footcandle Lines of Horizontal Illumination

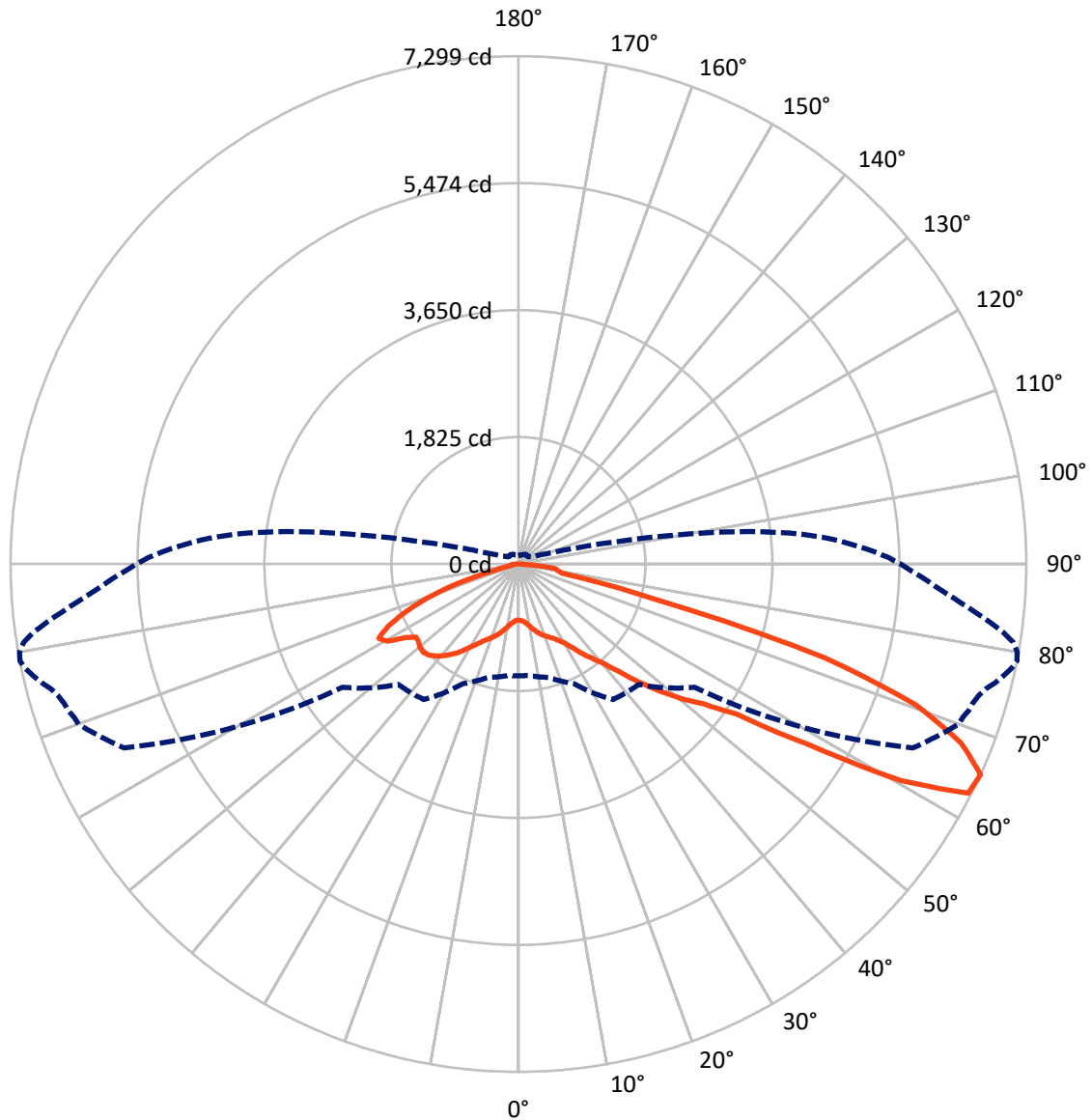
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P144838
CATALOG NUMBER: LDRL-SL2-E03-E-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P144838

CATALOG NUMBER: LDRL-SL2-E03-E-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1682.8	0.0	1682.8
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	5730.8	0.0	5730.8
	% Fixture	77.3	0.0	77.3
Total	Lumens	7413.6	0.0	7413.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.0	1.1
10°-20°	260.3	3.5
20°-30°	448.8	6.1
30°-40°	731.9	9.9
40°-50°	1221.8	16.5
50°-60°	1652.1	22.3
60°-70°	2052.4	27.7
70°-80°	821.9	11.1
80°-90°	144.4	1.9
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°	7413.6	100.0
0°-180°	7413.6	100.0



REPORT NUMBER: P144838

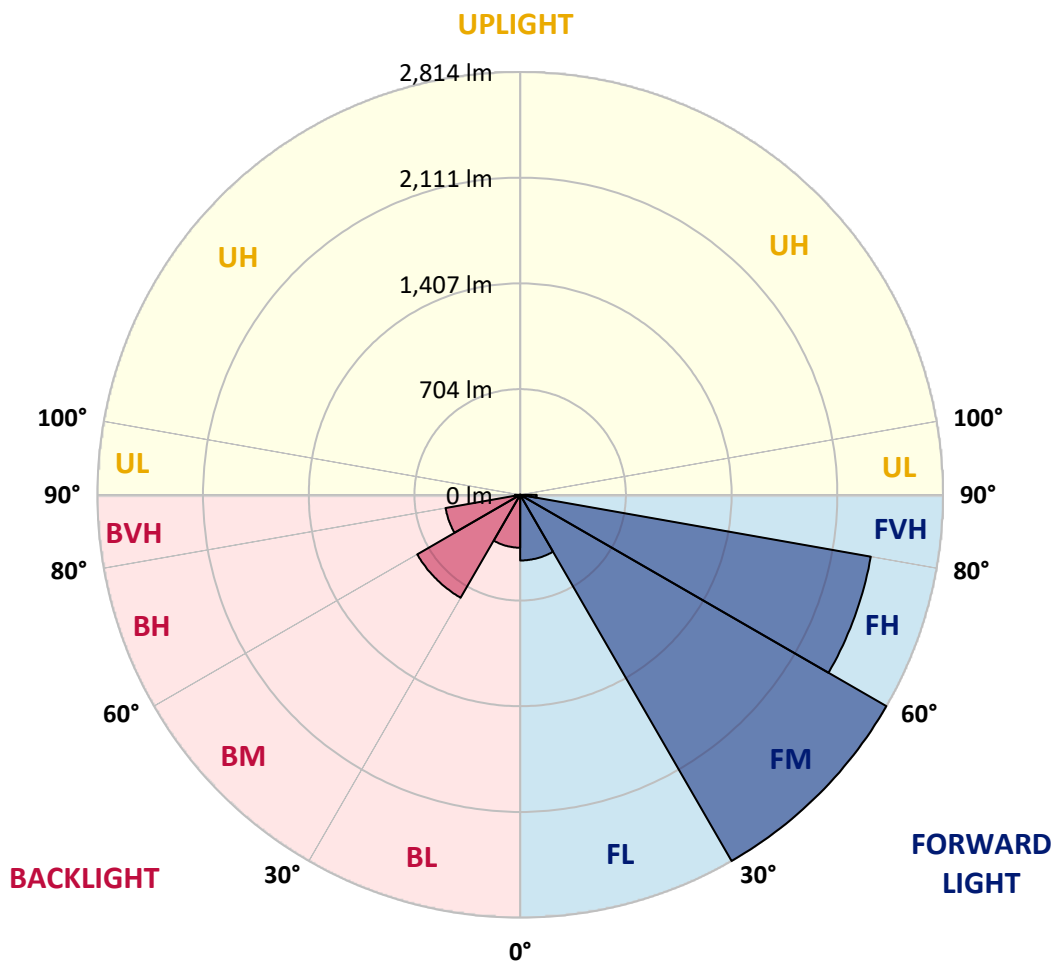
CATALOG NUMBER: LDRL-SL2-E03-E-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	437.2	5.9			
FM	(30°-60°)	2814.3	38.0			
FH	(60°-80°)	2369.8	32.0			G2/5000
FVH	(80°-90°)	109.5	1.5			G2/225
BL	(0°-30°)	352.0	4.7	B1/500		
BM	(30°-60°)	791.5	10.7	B1/1000		
BH	(60°-80°)	504.5	6.8	B2/1000		G2/1000
BVH	(80°-90°)	34.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





REPORT NUMBER: P144838

CATALOG NUMBER: LDRL-SL2-E03-E-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7
2.5°	811.8	811.2	813.8	815.8	815.8	816.8	816.3	813.3	813.8	814.8	813.8
5°	820.9	818.8	821.4	824.4	826.4	829.0	831.5	832.0	834.0	834.0	833.5
7.5°	840.6	839.1	842.6	843.7	848.2	852.3	857.3	860.9	862.9	863.9	865.4
10°	874.5	873.5	874.5	876.6	878.6	883.2	891.8	899.4	903.9	903.9	905.9
12.5°	915.6	911.5	912.5	908.5	909.5	919.1	929.2	941.9	949.5	950.5	951.5
15°	947.5	945.4	943.9	938.3	942.4	955.1	970.8	989.0	995.6	1001.1	1000.6
17.5°	977.3	974.8	971.3	963.7	967.7	988.0	1011.8	1032.0	1043.2	1044.2	1045.2
20°	1012.8	1009.8	1003.2	987.5	986.5	1014.8	1046.7	1068.5	1078.6	1083.2	1084.7
22.5°	1057.9	1053.8	1041.7	1011.3	1003.2	1036.6	1074.6	1101.4	1112.0	1116.6	1119.1
25°	1115.6	1107.5	1088.2	1040.6	1023.9	1058.9	1104.4	1136.9	1151.5	1156.1	1159.1
27.5°	1167.7	1161.7	1138.4	1082.2	1053.3	1088.7	1140.9	1182.4	1202.7	1208.3	1212.8
30°	1228.5	1219.9	1201.2	1141.4	1102.9	1134.3	1200.7	1253.3	1278.1	1278.6	1288.8
32.5°	1371.3	1365.7	1348.5	1282.7	1217.9	1219.9	1281.7	1354.1	1378.9	1383.0	1392.1
35°	1583.0	1581.0	1580.5	1544.0	1495.9	1446.3	1450.8	1506.0	1522.7	1529.3	1532.3
37.5°	1722.2	1740.0	1783.0	1809.3	1797.2	1807.8	1752.1	1684.8	1675.2	1668.1	1671.1
40°	1842.3	1858.0	1945.1	2066.6	2140.5	2192.7	2143.6	1937.0	1860.0	1837.7	1829.1
42.5°	1913.2	1930.9	2055.5	2249.9	2438.3	2561.9	2575.0	2287.9	2092.4	2089.9	2057.5
45°	1951.6	1969.4	2118.2	2380.1	2646.4	2869.2	2984.7	2719.8	2432.7	2411.5	2366.4
47.5°	1944.0	1960.8	2115.7	2428.2	2769.5	3073.3	3304.2	3156.4	2825.2	2774.0	2711.7
50°	1851.4	1863.5	2026.1	2349.7	2736.6	3158.4	3523.0	3556.9	3269.3	3199.9	3106.7
52.5°	1755.7	1777.4	1912.1	2210.4	2587.2	3105.7	3653.6	3921.5	3684.0	3636.4	3516.9
55°	1704.0	1721.2	1831.1	2085.8	2429.7	2925.9	3707.8	4265.4	4187.9	4168.6	4084.1
57.5°	1702.0	1718.7	1806.3	2010.4	2301.6	2738.6	3723.5	4796.6	5023.9	5029.0	5004.7
60°	1785.0	1802.3	1875.7	2046.8	2262.1	2578.1	3667.3	5550.1	6052.4	6097.0	6171.4
62.5°	1796.7	1804.8	1893.4	2124.3	2405.9	2458.0	3435.9	6177.5	6759.4	6800.4	6841.4
65°	1607.3	1606.8	1685.3	1898.0	2376.0	2445.9	3088.0	6254.5	6731.0	6755.8	6807.0
67.5°	1198.6	1188.5	1233.1	1427.5	1885.3	2448.9	2675.8	5673.6	6206.4	6253.5	6270.7
70°	617.8	633.5	663.9	782.9	1197.1	1971.4	2298.5	4786.9	5448.3	5466.0	5527.3
72.5°	253.7	247.1	267.9	329.2	599.1	1303.0	1901.5	3777.7	4499.8	4487.7	4498.8
75°	141.3	143.3	149.4	171.7	291.2	654.3	1633.6	2674.3	3060.1	2850.5	2787.2
77.5°	113.4	114.4	115.0	119.0	159.0	348.9	1253.8	1761.2	1538.9	1429.0	1387.0
80°	83.0	88.6	94.7	95.7	109.4	198.0	687.7	1482.7	1298.9	1207.8	1132.8
82.5°	66.8	69.4	82.5	84.6	87.1	118.0	311.4	1392.6	1293.8	1200.7	1097.4
85°	40.0	44.6	67.4	67.9	68.9	71.9	172.2	567.2	705.4	623.4	570.7
87.5°	14.2	18.2	33.4	27.9	35.4	29.4	75.5	189.9	234.0	222.3	197.0
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: P144838

CATALOG NUMBER: LDRL-SL2-E03-E-8030

CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7
2.5°	813.3	813.3	814.3	813.8	813.8	813.8	813.8	812.8	812.8	811.2	812.3
5°	833.5	833.0	833.5	834.0	833.5	834.5	834.0	833.5	834.0	833.5	834.0
7.5°	865.9	863.4	866.9	864.9	864.4	867.5	865.9	867.5	868.0	867.5	866.9
10°	907.0	908.5	908.5	908.5	907.5	910.5	911.0	912.0	912.5	914.5	914.5
12.5°	954.0	954.6	956.6	956.1	957.1	960.6	963.2	963.7	964.2	965.7	963.7
15°	1004.7	1005.7	1005.7	1010.3	1008.7	1013.8	1015.3	1015.3	1015.8	1021.9	1022.4
17.5°	1049.8	1049.8	1053.8	1053.8	1057.9	1058.9	1063.4	1063.9	1066.0	1071.5	1072.0
20°	1087.7	1089.8	1092.3	1095.3	1096.9	1099.9	1102.9	1106.0	1108.5	1113.1	1113.6
22.5°	1123.7	1125.7	1129.8	1131.8	1135.3	1137.4	1139.9	1143.4	1147.5	1153.6	1155.1
25°	1165.2	1167.2	1171.8	1174.8	1178.9	1181.9	1186.5	1191.0	1193.6	1199.6	1204.2
27.5°	1217.9	1224.0	1230.0	1231.6	1234.6	1241.7	1247.8	1253.8	1259.4	1262.4	1268.0
30°	1294.9	1294.9	1307.5	1307.5	1313.1	1319.7	1323.7	1330.3	1340.4	1343.5	1350.6
32.5°	1398.2	1400.7	1405.2	1418.9	1429.0	1432.1	1435.1	1444.7	1450.8	1458.4	1467.0
35°	1545.5	1548.0	1550.6	1563.7	1575.4	1578.4	1581.5	1587.5	1597.7	1610.8	1606.8
37.5°	1677.7	1679.2	1687.3	1702.0	1708.6	1716.7	1719.2	1730.4	1735.9	1748.1	1748.6
40°	1836.7	1833.1	1837.7	1854.4	1864.5	1864.0	1872.1	1892.4	1896.4	1902.0	1916.2
42.5°	2058.5	2045.3	2059.5	2065.1	2080.3	2089.9	2106.1	2119.8	2129.4	2150.7	2160.8
45°	2345.1	2331.4	2343.1	2345.6	2377.0	2386.6	2410.9	2429.2	2449.9	2474.2	2481.3
47.5°	2671.7	2646.4	2632.2	2647.9	2685.4	2701.1	2724.9	2742.1	2763.9	2776.6	2772.5
50°	3050.0	2989.2	2960.9	2952.8	2979.6	3001.9	3038.9	3047.0	3057.1	3056.6	3057.1
52.5°	3471.8	3408.5	3349.3	3308.3	3304.2	3334.1	3343.2	3345.2	3342.2	3319.4	3305.2
55°	4022.8	4018.2	3956.0	3870.9	3865.3	3861.8	3808.6	3802.0	3789.9	3754.9	3706.8
57.5°	5022.4	5073.1	5032.0	5030.0	4985.5	4956.1	4858.3	4809.7	4758.6	4663.9	4588.4
60°	6178.0	6251.4	6292.0	6309.7	6396.8	6396.8	6316.8	6247.9	6164.8	6020.5	5879.7
62.5°	6873.8	6938.1	6997.9	7091.5	7202.4	7251.6	7255.6	7194.3	7089.5	6924.9	6725.9
65°	6829.7	6877.3	6949.8	7060.2	7151.8	7239.9	7299.2	7280.4	7200.4	7035.8	6819.1
67.5°	6330.9	6400.3	6494.0	6595.8	6680.9	6763.9	6859.6	6866.7	6845.4	6689.0	6493.0
70°	5561.2	5650.4	5709.6	5837.7	5876.2	5960.3	6056.5	6102.6	6068.1	5947.6	5832.7
72.5°	4518.1	4588.4	4598.6	4542.9	4562.1	4582.9	4606.2	4498.3	4456.8	4295.7	4221.8
75°	2739.6	2646.9	2568.9	2491.5	2260.0	2178.0	2051.9	1803.3	1774.9	1604.3	1485.8
77.5°	1303.0	1264.0	1193.6	1075.6	918.6	768.2	637.6	518.0	473.5	389.9	332.2
80°	1090.8	1044.2	980.9	893.3	783.4	674.0	570.7	482.1	393.0	320.0	255.7
82.5°	1000.6	919.6	830.5	755.0	677.6	603.1	533.7	453.7	406.6	328.1	267.9
85°	505.9	443.1	359.0	302.3	255.2	207.6	179.8	153.4	136.7	108.9	94.7
87.5°	169.6	138.8	103.3	87.6	79.0	67.9	62.3	59.2	57.7	51.1	45.6
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: P144838

CATALOG NUMBER: LDRL-SL2-E03-E-8030

CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7
2.5°	812.3	812.3	812.3	812.3	811.8	811.8	811.8	811.8	811.8	811.8	812.3
5°	833.0	833.0	833.5	835.0	832.0	833.0	834.0	832.5	834.0	832.5	834.5
7.5°	866.4	868.0	866.9	869.0	868.0	871.0	869.0	867.5	868.5	868.5	869.0
10°	913.5	915.6	914.0	915.1	915.1	917.1	914.5	915.1	915.6	914.5	915.1
12.5°	965.7	966.7	966.2	969.2	967.7	969.2	967.7	969.7	970.8	971.8	971.8
15°	1022.4	1023.4	1026.5	1026.0	1029.0	1028.0	1028.5	1026.0	1031.0	1028.0	1029.0
17.5°	1074.6	1074.1	1078.1	1079.6	1080.1	1080.6	1082.2	1080.1	1080.6	1082.2	1081.2
20°	1115.1	1118.6	1119.6	1123.7	1126.7	1127.7	1127.2	1128.8	1130.8	1128.8	1128.8
22.5°	1158.1	1163.2	1164.7	1167.2	1170.3	1170.8	1173.8	1175.3	1176.4	1175.8	1176.4
25°	1209.8	1213.3	1216.9	1221.9	1225.5	1226.0	1228.5	1230.5	1231.0	1230.5	1233.6
27.5°	1273.1	1277.6	1282.2	1288.3	1292.3	1293.3	1298.9	1298.9	1301.9	1303.5	1304.5
30°	1354.6	1356.1	1367.8	1373.8	1372.3	1379.4	1387.0	1386.5	1390.1	1391.1	1393.6
32.5°	1473.1	1473.1	1483.2	1490.8	1498.9	1496.4	1508.0	1506.0	1511.6	1514.6	1513.1
35°	1616.9	1622.0	1629.6	1634.1	1642.7	1647.3	1655.4	1660.0	1662.5	1662.0	1656.4
37.5°	1765.3	1773.4	1776.4	1787.6	1796.2	1803.8	1804.8	1799.7	1801.8	1791.6	1788.6
40°	1934.9	1946.6	1953.7	1970.4	1969.4	1979.0	1980.0	1965.3	1962.8	1949.6	1935.9
42.5°	2171.9	2188.1	2193.7	2206.4	2196.2	2200.8	2175.5	2169.4	2149.1	2127.9	2097.0
45°	2491.5	2483.4	2486.9	2483.4	2456.5	2436.8	2416.0	2386.1	2356.3	2315.2	2271.2
47.5°	2772.5	2776.6	2750.2	2733.5	2690.0	2662.1	2624.1	2572.0	2535.5	2480.3	2422.1
50°	3045.5	3000.4	2963.4	2924.9	2886.4	2835.3	2778.1	2732.0	2678.8	2610.0	2538.6
52.5°	3267.3	3209.0	3164.5	3109.8	3057.6	3000.9	2941.1	2874.3	2804.4	2735.5	2647.4
55°	3660.2	3575.7	3518.4	3422.7	3363.5	3284.0	3237.4	3150.8	3053.6	2962.4	2868.7
57.5°	4503.4	4376.8	4311.4	4257.3	4165.1	4034.4	3951.4	3809.1	3670.3	3573.1	3417.2
60°	5773.4	5644.8	5536.4	5408.3	5267.0	5089.8	5010.8	4843.2	4644.7	4484.1	4278.0
62.5°	6564.9	6387.2	6211.4	6031.7	5889.9	5751.1	5587.6	5418.4	5221.9	5003.7	4778.3
65°	6596.8	6383.6	6173.5	5990.1	5824.0	5643.8	5490.3	5318.7	5112.1	4887.2	4653.3
67.5°	6265.6	6027.1	5801.8	5600.7	5410.8	5243.7	5083.2	4921.6	4700.4	4512.0	4272.5
70°	5605.8	5388.0	5184.0	4955.1	4809.7	4621.9	4465.4	4295.2	4136.7	3960.5	3736.2
72.5°	4117.5	3953.4	3720.5	3623.3	3545.3	3346.3	3229.8	3215.6	3114.3	2903.2	2735.5
75°	1531.3	1303.5	1234.6	1275.6	1207.2	1230.0	1221.4	1172.8	1174.8	1138.9	1096.3
77.5°	299.8	278.5	261.8	266.4	247.6	239.5	256.7	251.7	242.6	245.1	241.0
80°	204.1	172.7	156.5	150.4	142.8	139.3	138.2	136.7	133.7	132.2	127.6
82.5°	201.0	149.4	118.0	101.3	95.2	92.2	89.6	89.1	88.1	87.6	89.1
85°	80.0	64.8	59.2	54.2	52.7	51.1	51.1	50.6	50.1	51.1	53.2
87.5°	39.0	32.9	29.9	27.3	26.3	25.8	25.8	26.3	26.8	28.9	32.9
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: P144838

CATALOG NUMBER: LDRL-SL2-E03-E-8030

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7
2.5°	811.2	811.8	810.7	811.2	810.7	809.7	809.2	810.7	810.2	809.7	809.7
5°	832.0	834.0	833.0	832.0	832.0	831.5	831.5	831.5	831.0	831.5	830.0
7.5°	868.0	867.5	867.5	866.4	865.4	866.4	865.9	864.4	864.9	863.9	862.4
10°	914.0	912.5	915.1	915.1	913.0	912.5	911.5	910.0	910.0	908.5	908.5
12.5°	968.7	967.2	970.8	968.2	965.2	964.7	961.6	960.6	962.1	961.6	960.6
15°	1024.4	1024.9	1026.5	1026.0	1022.4	1022.4	1018.4	1018.9	1015.8	1014.8	1012.3
17.5°	1078.6	1079.1	1077.6	1077.6	1075.1	1073.6	1069.0	1069.5	1067.5	1063.4	1060.4
20°	1127.2	1126.7	1123.2	1126.2	1121.2	1120.1	1116.1	1112.0	1113.1	1109.0	1102.9
22.5°	1174.8	1173.8	1172.8	1171.3	1168.8	1167.7	1163.2	1162.7	1157.6	1151.5	1146.5
25°	1230.0	1229.5	1228.0	1228.5	1223.4	1224.0	1215.9	1213.8	1210.8	1204.2	1200.2
27.5°	1301.4	1301.4	1297.4	1295.9	1294.3	1292.3	1285.2	1280.2	1272.6	1265.0	1256.9
30°	1389.0	1388.0	1387.0	1383.0	1377.4	1374.4	1361.7	1353.6	1343.5	1329.3	1317.1
32.5°	1514.1	1505.5	1498.4	1489.3	1480.2	1470.6	1450.8	1437.1	1420.9	1398.2	1378.9
35°	1653.4	1638.7	1631.1	1612.4	1595.1	1575.9	1552.1	1524.2	1502.0	1472.1	1440.7
37.5°	1768.3	1757.2	1736.9	1715.7	1691.4	1654.9	1628.1	1598.2	1559.2	1526.3	1488.3
40°	1910.1	1884.8	1855.9	1820.5	1787.1	1746.0	1709.1	1666.0	1618.4	1570.8	1521.2
42.5°	2059.0	2020.0	1972.4	1931.4	1880.7	1827.1	1779.0	1720.7	1660.0	1596.2	1529.8
45°	2210.9	2162.8	2099.5	2041.3	1970.9	1903.5	1834.7	1755.2	1672.1	1587.0	1503.5
47.5°	2350.2	2279.8	2207.9	2129.4	2048.4	1961.8	1864.0	1759.7	1650.3	1538.4	1434.1
50°	2459.6	2371.4	2280.8	2190.2	2090.9	1978.5	1855.4	1719.2	1584.5	1450.3	1330.3
52.5°	2556.3	2457.5	2346.1	2233.7	2111.2	1972.9	1819.0	1658.4	1494.4	1346.0	1211.3
55°	2743.6	2619.6	2472.7	2327.9	2172.9	1998.7	1806.8	1610.3	1421.4	1259.9	1116.6
57.5°	3252.6	3085.0	2857.6	2656.5	2460.1	2206.4	1935.9	1693.9	1453.4	1262.4	1102.9
60°	4054.2	3781.2	3521.0	3214.6	2896.6	2548.7	2186.1	1860.0	1566.8	1327.3	1135.3
62.5°	4519.1	4230.9	3896.2	3525.0	3112.8	2689.0	2272.7	1891.9	1570.3	1309.5	1096.9
65°	4393.5	4103.8	3735.7	3355.9	2917.3	2483.9	2070.6	1705.0	1393.1	1152.0	948.5
67.5°	4020.8	3717.9	3372.1	2950.8	2531.5	2129.9	1753.1	1408.8	1132.8	908.0	728.2
70°	3478.4	3209.0	2875.8	2487.4	2080.8	1719.7	1402.2	1091.8	858.3	652.2	510.4
72.5°	2581.6	2343.1	2135.0	1810.4	1512.6	1229.5	970.8	759.6	558.6	422.3	325.1
75°	1083.7	1003.2	969.2	850.2	739.3	606.2	456.3	363.6	294.7	250.7	199.0
77.5°	262.8	262.8	247.1	231.4	212.7	192.4	170.1	151.9	142.8	134.7	128.1
80°	127.6	126.6	122.5	122.0	118.5	113.9	111.4	107.9	106.3	104.3	103.3
82.5°	89.6	89.1	87.6	89.6	89.1	91.2	92.2	92.7	92.7	93.2	93.7
85°	56.7	58.7	62.8	67.9	72.4	78.0	83.0	87.1	90.1	92.7	94.7
87.5°	36.0	41.0	44.1	51.7	59.2	67.9	77.5	81.5	85.1	85.6	82.5
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: P144838

CATALOG NUMBER: LDRL-SL2-E03-E-8030

CANDELA DISTRIBUTION (continued):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7	805.7
2.5°	809.7	809.2	810.2	809.2	809.2	808.7	807.2	805.7	804.2	803.6	802.1
5°	829.5	829.5	830.5	828.5	829.0	826.9	822.4	817.3	812.8	808.7	804.2
7.5°	862.9	861.4	861.9	861.4	860.4	856.3	846.2	833.5	821.4	808.7	798.6
10°	907.5	904.4	904.4	903.4	901.9	896.3	875.0	849.7	824.4	801.6	784.9
12.5°	957.1	957.6	953.5	951.0	948.5	936.8	904.9	864.4	824.4	787.9	761.1
15°	1008.7	1008.2	1003.7	1002.2	996.6	979.4	931.3	872.0	814.8	761.1	721.1
17.5°	1055.3	1053.3	1048.7	1045.7	1039.6	1016.8	949.0	868.5	789.5	719.1	668.9
20°	1097.9	1095.3	1091.3	1085.7	1079.6	1046.7	955.6	850.2	749.5	668.9	618.3
22.5°	1141.9	1136.3	1131.8	1124.2	1117.6	1073.6	951.0	817.8	703.9	613.2	559.1
25°	1191.0	1184.5	1174.8	1165.7	1155.6	1095.3	938.3	777.3	649.2	553.0	498.3
27.5°	1244.2	1234.6	1221.9	1210.3	1194.1	1111.5	916.6	732.2	589.4	493.2	436.5
30°	1300.4	1282.7	1267.0	1249.3	1228.5	1119.1	885.2	676.5	523.6	432.5	375.7
32.5°	1355.1	1331.3	1308.0	1282.2	1253.8	1116.1	840.6	610.7	457.8	375.7	328.1
35°	1410.8	1376.4	1344.0	1309.0	1274.6	1100.9	779.3	537.8	395.5	328.7	294.2
37.5°	1448.8	1405.8	1362.7	1320.7	1279.2	1068.0	697.8	456.3	339.3	294.7	269.9
40°	1468.0	1415.4	1362.7	1310.5	1259.4	1013.3	602.6	381.8	299.3	269.4	251.7
42.5°	1462.5	1397.1	1331.8	1270.0	1207.2	926.2	499.3	320.5	271.4	249.7	234.0
45°	1416.4	1338.4	1264.0	1198.6	1120.1	814.3	410.2	282.6	250.2	233.4	218.8
47.5°	1329.8	1242.7	1151.5	1077.6	1004.2	684.6	341.3	258.8	231.4	217.7	203.1
50°	1219.4	1118.6	1027.5	947.5	875.6	563.6	294.2	238.5	216.2	204.6	188.9
52.5°	1097.9	989.5	906.4	822.4	752.0	470.4	261.3	216.2	201.5	189.4	176.7
55°	997.1	896.8	812.3	727.7	656.8	411.7	234.0	199.0	187.9	175.2	165.1
57.5°	970.3	855.8	763.6	683.6	610.7	375.7	214.2	183.3	175.7	166.1	155.0
60°	981.4	855.3	752.0	664.4	587.9	346.9	199.5	172.7	166.6	158.0	146.3
62.5°	941.4	808.2	703.9	610.7	538.3	310.4	188.9	167.6	163.6	151.9	138.8
65°	802.1	680.1	579.8	499.3	437.0	261.3	180.3	172.2	168.1	147.9	133.7
67.5°	610.7	508.9	428.4	368.1	323.1	216.2	178.3	187.4	179.3	149.9	132.2
70°	422.3	345.4	293.7	257.2	228.9	182.3	184.8	204.1	192.4	156.5	140.8
72.5°	267.9	223.8	198.5	184.8	171.2	153.9	183.3	202.1	186.4	157.5	140.8
75°	171.7	153.4	144.8	139.8	135.7	134.2	161.5	166.1	149.9	136.7	131.2
77.5°	121.5	118.5	117.0	116.5	117.0	120.5	133.7	125.1	108.9	109.4	112.4
80°	102.8	102.8	101.8	102.3	103.3	104.8	106.8	92.2	83.6	90.1	100.3
82.5°	94.2	95.7	96.7	97.7	99.3	97.2	90.6	69.9	67.4	87.6	98.2
85°	95.7	95.7	96.2	97.2	97.7	87.6	75.5	52.7	51.7	98.2	92.7
87.5°	82.0	81.0	77.5	74.9	71.4	60.3	50.1	29.4	30.4	60.8	64.8
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: P144838

CATALOG NUMBER: LDRL-SL2-E03-E-8030

CANDELA DISTRIBUTION (continued):

	175°	180°
0°	805.7	805.7
2.5°	801.6	801.6
5°	801.6	801.6
7.5°	795.0	793.0
10°	775.8	773.3
12.5°	746.4	743.9
15°	701.4	698.3
17.5°	645.1	640.1
20°	586.4	579.3
22.5°	527.7	522.1
25°	467.4	462.3
27.5°	408.2	403.1
30°	353.5	351.4
32.5°	313.0	310.9
35°	283.1	282.1
37.5°	262.8	261.8
40°	245.1	244.1
42.5°	228.9	227.4
45°	212.7	213.2
47.5°	196.5	196.0
50°	182.3	182.3
52.5°	170.7	170.1
55°	160.0	159.5
57.5°	149.4	148.9
60°	140.3	138.8
62.5°	131.7	130.6
65°	126.1	125.6
67.5°	122.0	120.5
70°	121.0	117.0
72.5°	118.0	112.9
75°	110.9	108.4
77.5°	97.7	94.7
80°	75.5	69.9
82.5°	63.3	54.7
85°	46.6	43.0
87.5°	33.9	26.8
90°	0.0	0.0

(END OF REPORT)