

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: P145139

Luminaire Tested: **LDRL-SL3-E03-E-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145139
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-E03-E-7030
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8134.4 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

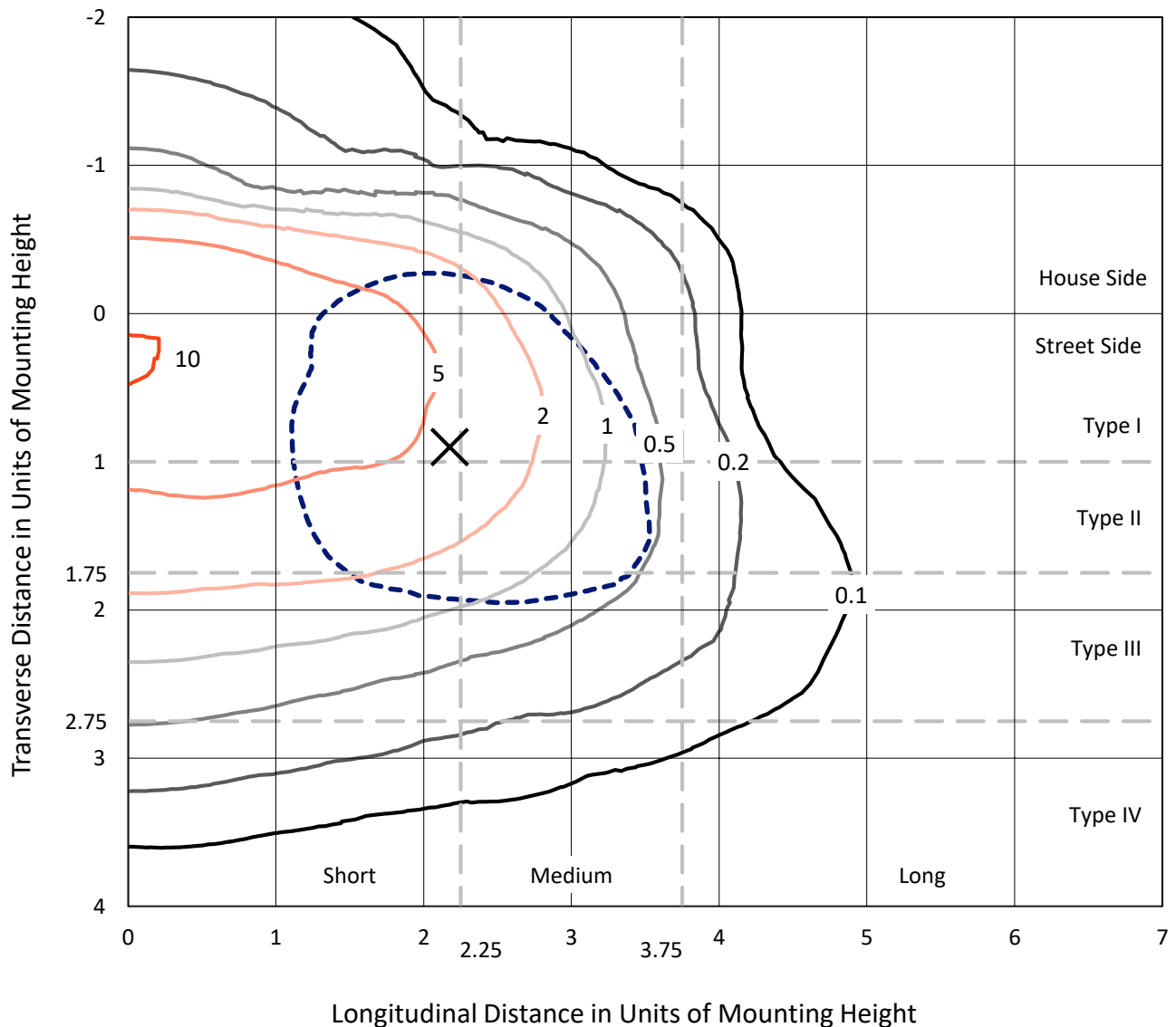
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P145139
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Iso-Footcandle Lines of Horizontal Illumination

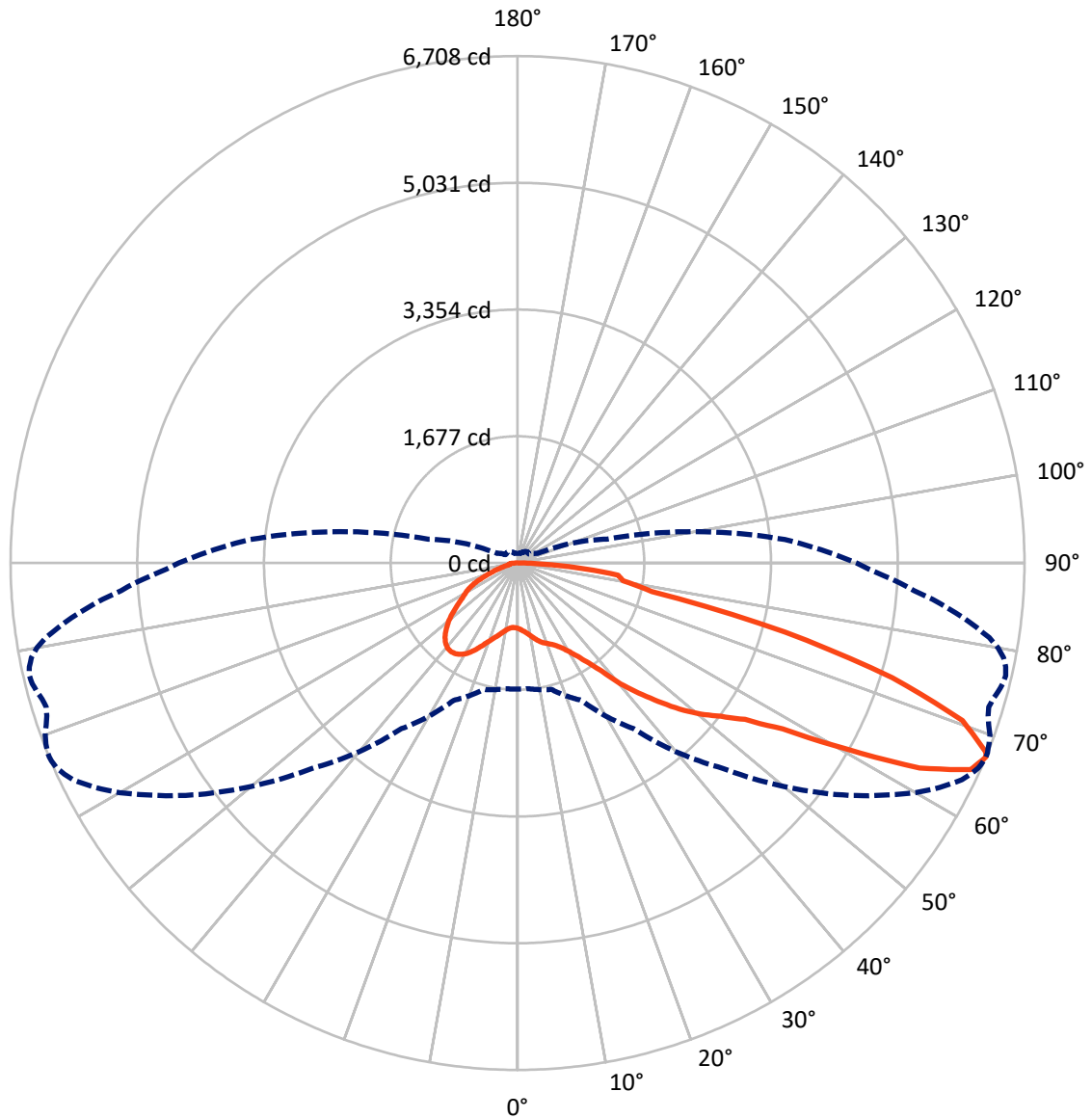
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P145139
CATALOG NUMBER: LDRL-SL3-E03-E-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P145139

CATALOG NUMBER: LDRL-SL3-E03-E-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1926.2	0.0	1926.2
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	6208.2	0.0	6208.2
	% Fixture	76.3	0.0	76.3
Total	Lumens	8134.4	0.0	8134.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	1.1
10°-20°	295.7	3.6
20°-30°	526.5	6.5
30°-40°	766.9	9.4
40°-50°	1181.6	14.5
50°-60°	1730.5	21.3
60°-70°	2298.0	28.3
70°-80°	1083.2	13.3
80°-90°	165.6	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°	8134.4	100.0
0°-180°	8134.4	100.0



REPORT NUMBER: P145139

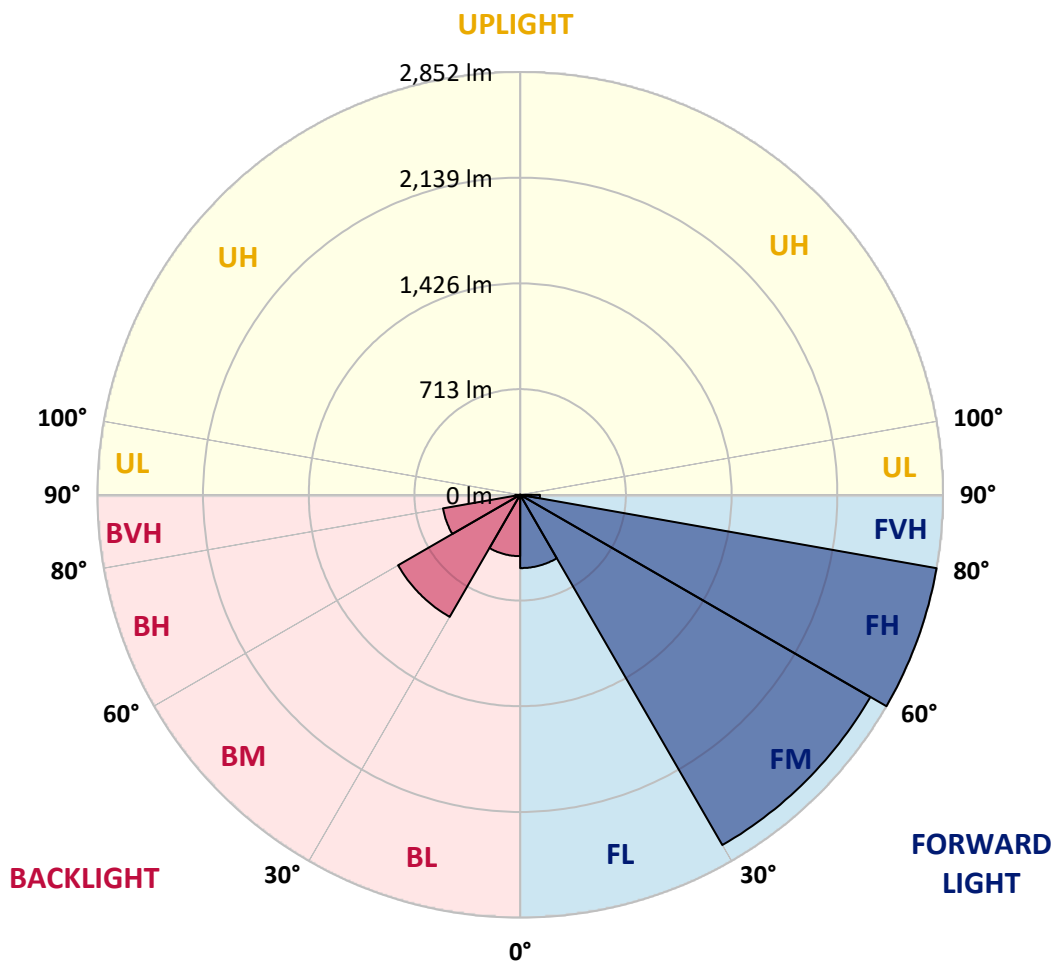
CATALOG NUMBER: LDRL-SL3-E03-E-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	494.5	6.1			
FM	(30°-60°)	2727.9	33.5			
FH	(60°-80°)	2852.4	35.1			G2/5000
FVH	(80°-90°)	133.4	1.6			G2/225
BL	(0°-30°)	414.1	5.1	B1/500		
BM	(30°-60°)	951.2	11.7	B1/1000		
BH	(60°-80°)	528.8	6.5	B2/1000		G2/1000
BVH	(80°-90°)	32.2	0.4			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 III Short





REPORT NUMBER: P145139
 CATALOG NUMBER: LDRL-SL3-E03-E-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3
2.5°	908.6	904.8	905.3	907.0	901.5	898.7	892.7	888.9	888.3	887.8	885.6
5°	961.8	957.9	959.6	955.2	944.8	937.6	925.0	918.5	917.4	916.3	913.5
7.5°	1017.1	1012.2	1006.7	1001.8	990.3	978.7	962.3	952.4	951.3	949.7	948.1
10°	1082.9	1075.7	1071.4	1056.0	1036.3	1020.4	1004.0	993.5	993.0	991.4	988.1
12.5°	1156.8	1149.2	1141.0	1120.7	1090.0	1066.4	1047.2	1041.2	1036.3	1036.8	1033.5
15°	1230.3	1222.1	1211.1	1185.3	1144.8	1109.7	1085.1	1076.3	1076.8	1074.1	1075.7
17.5°	1292.2	1285.1	1269.2	1236.3	1189.2	1141.0	1109.7	1105.9	1107.0	1106.4	1108.1
20°	1332.8	1328.4	1304.3	1264.8	1211.7	1158.5	1126.7	1126.7	1127.3	1129.4	1133.3
22.5°	1357.4	1350.8	1319.1	1263.7	1211.1	1166.7	1142.1	1147.5	1150.8	1152.5	1158.5
25°	1371.1	1362.9	1319.6	1246.2	1192.5	1172.7	1165.1	1178.8	1184.3	1187.0	1196.9
27.5°	1371.1	1361.3	1312.5	1224.3	1171.1	1190.8	1208.9	1232.5	1236.3	1244.5	1256.0
30°	1355.8	1348.1	1301.5	1207.8	1165.6	1224.8	1279.6	1306.5	1315.8	1325.1	1339.9
32.5°	1339.3	1332.8	1296.0	1216.6	1196.3	1296.0	1387.6	1424.3	1429.8	1437.4	1452.8
35°	1338.2	1336.0	1320.2	1272.5	1288.9	1426.5	1550.3	1575.5	1590.9	1594.7	1601.3
37.5°	1349.7	1354.1	1367.8	1362.9	1422.1	1620.5	1763.5	1813.9	1826.0	1819.4	1825.4
40°	1376.6	1387.6	1438.5	1501.5	1625.4	1855.0	2053.9	2112.0	2125.2	2121.3	2119.7
42.5°	1461.5	1476.3	1551.4	1686.2	1836.9	2097.8	2323.6	2386.0	2390.4	2392.6	2378.4
45°	1594.7	1602.9	1702.7	1874.7	2066.0	2359.2	2592.6	2662.2	2659.5	2648.5	2638.1
47.5°	1746.0	1762.9	1882.4	2090.7	2302.7	2600.9	2865.0	2933.0	2939.0	2929.1	2909.9
50°	1883.5	1896.7	2031.5	2278.6	2511.5	2802.0	3094.6	3163.1	3162.0	3167.5	3173.0
52.5°	1992.0	2004.1	2132.3	2404.1	2665.0	2970.8	3267.8	3352.2	3365.3	3374.1	3385.1
55°	2047.9	2060.5	2178.9	2456.2	2758.1	3135.7	3467.8	3588.9	3611.4	3631.1	3649.2
57.5°	2049.0	2065.5	2174.0	2452.3	2806.4	3283.1	3732.5	3950.1	3981.8	4032.3	4094.2
60°	2015.6	2038.6	2136.1	2416.7	2861.7	3470.0	4168.7	4585.2	4647.7	4735.9	4815.4
62.5°	1928.4	1951.5	2038.6	2326.3	2926.4	3709.5	4798.9	5409.4	5542.6	5640.1	5797.4
65°	1790.9	1812.8	1886.3	2176.7	2874.9	3898.5	5268.6	6000.7	6136.6	6258.8	6443.5
67°	1668.1	1670.3	1732.3	2005.2	2674.3	3839.9	5362.8	6079.6	6205.1	6329.0	6543.2
67.5°	1624.9	1636.9	1685.1	1948.2	2598.1	3796.6	5325.6	6036.9	6158.5	6290.6	6509.3
70°	1313.6	1316.9	1363.4	1554.2	2061.6	3147.8	4783.6	5491.6	5574.9	5768.4	5983.2
72.5°	801.2	795.7	810.5	951.9	1356.9	2180.0	3830.0	4521.1	4635.1	4800.0	4945.2
75°	441.1	467.5	485.5	583.6	762.3	1281.8	2608.0	3271.1	3438.2	3536.3	3565.4
77.5°	269.6	267.4	275.6	376.5	625.3	876.8	1440.7	1919.1	2012.3	2040.2	1932.3
80°	128.2	133.2	131.5	155.1	303.0	739.8	1007.2	1232.5	1279.6	1306.5	1341.5
82.5°	70.1	72.9	82.7	92.6	119.5	318.4	869.1	1136.6	1168.4	1214.4	1265.9
85°	43.8	46.0	63.6	66.9	73.4	98.1	362.2	664.2	691.0	782.6	811.6
87.5°	18.1	19.7	34.5	31.2	37.3	34.5	109.6	168.8	179.2	190.7	211.5
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: P145139
 CATALOG NUMBER: LDRL-SL3-E03-E-7030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	67.5°	68°	69°	70°	71°	72°	73°	74°
0°	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3
2.5°	886.1	885.6	883.4	882.8	883.9	883.9	882.8	881.2	880.7	880.1	879.0
5°	912.4	911.3	909.7	908.6	908.1	908.1	906.4	904.8	903.1	900.9	900.4
7.5°	943.7	943.7	943.1	941.5	939.8	937.6	936.0	934.4	932.7	931.6	930.0
10°	984.8	987.0	983.1	982.0	981.5	978.2	977.7	976.0	974.9	972.2	972.2
12.5°	1033.5	1031.4	1030.8	1028.6	1028.6	1027.0	1026.4	1025.9	1024.8	1022.6	1022.0
15°	1074.1	1074.1	1073.6	1072.5	1073.6	1072.5	1070.8	1071.9	1070.3	1070.8	1069.2
17.5°	1107.0	1109.2	1108.6	1109.2	1108.6	1108.6	1109.7	1109.7	1110.8	1108.6	1109.2
20°	1134.4	1137.7	1139.3	1138.2	1139.3	1139.9	1142.6	1143.7	1145.3	1146.4	1146.4
22.5°	1162.9	1167.3	1170.5	1170.5	1172.7	1174.9	1179.9	1181.0	1184.8	1184.3	1187.0
25°	1202.9	1210.0	1212.2	1215.5	1218.2	1222.1	1228.1	1230.8	1232.5	1236.3	1240.7
27.5°	1264.3	1273.0	1274.7	1278.5	1285.6	1287.8	1294.4	1297.1	1303.2	1311.4	1313.0
30°	1348.1	1359.1	1359.6	1364.0	1372.2	1375.0	1380.4	1387.6	1392.5	1400.7	1401.3
32.5°	1462.1	1473.1	1471.4	1479.6	1479.1	1487.3	1485.7	1496.6	1501.0	1505.4	1517.4
35°	1613.9	1612.8	1621.0	1623.8	1622.1	1628.7	1627.6	1632.5	1636.9	1636.9	1650.1
37.5°	1832.5	1830.9	1829.8	1818.3	1815.6	1816.1	1813.9	1818.3	1811.2	1811.2	1825.4
40°	2125.7	2115.9	2108.2	2100.5	2092.9	2082.4	2073.7	2071.5	2059.4	2058.9	2053.4
42.5°	2380.6	2371.2	2365.8	2351.0	2343.3	2341.6	2320.3	2314.2	2311.0	2313.2	2307.7
45°	2648.0	2638.1	2617.3	2610.7	2608.5	2597.0	2593.7	2578.9	2574.6	2582.2	2579.5
47.5°	2923.6	2909.4	2897.9	2890.2	2887.5	2877.6	2863.4	2875.4	2869.4	2865.0	2856.8
50°	3171.3	3155.4	3155.4	3141.7	3143.9	3137.4	3122.6	3125.9	3108.9	3115.4	3111.1
52.5°	3379.0	3380.1	3385.6	3370.3	3373.0	3373.0	3368.1	3352.2	3356.6	3354.4	3364.8
55°	3643.2	3661.3	3651.4	3654.1	3657.4	3672.8	3683.7	3674.4	3659.1	3671.1	3704.5
57.5°	4105.1	4121.6	4131.4	4139.1	4151.7	4158.8	4218.0	4226.3	4208.7	4244.9	4319.4
60°	4908.5	4928.3	4957.8	4996.8	5005.0	5054.8	5085.5	5121.7	5134.9	5166.1	5246.1
62.5°	5874.7	5919.1	5924.5	5973.9	6012.2	5965.6	5977.7	6022.1	5971.7	6040.7	6044.0
65°	6507.1	6571.7	6573.9	6592.0	6606.3	6562.4	6542.7	6523.0	6475.3	6472.5	6520.2
67°	6615.6	6674.8	6699.4	6708.2	6706.0	6683.5	6651.2	6594.2	6548.2	6521.9	6541.6
67.5°	6584.9	6643.0	6677.5	6685.7	6686.3	6664.4	6634.8	6572.8	6529.5	6499.9	6520.8
70°	6080.7	6216.6	6275.8	6245.1	6262.7	6262.7	6261.6	6204.6	6183.2	6154.7	6143.7
72.5°	5055.9	5150.2	5225.3	5185.3	5190.2	5227.5	5218.7	5224.7	5163.4	5156.8	5055.4
75°	3621.8	3651.9	3626.7	3655.2	3501.8	3447.0	3353.8	3217.9	3182.3	3125.9	2957.1
77.5°	1924.1	1890.1	1822.7	1817.2	1754.2	1705.4	1645.1	1605.7	1505.9	1450.6	1324.0
80°	1359.1	1375.5	1401.3	1416.6	1430.9	1441.8	1419.3	1356.3	1273.0	1179.9	1091.6
82.5°	1298.2	1320.7	1336.0	1343.7	1338.2	1320.7	1269.2	1208.9	1097.7	1017.1	921.8
85°	818.7	836.8	805.6	799.0	812.7	702.0	641.2	591.9	479.5	446.1	394.0
87.5°	219.8	231.8	232.4	225.2	220.8	194.5	172.1	152.3	126.0	118.4	95.9
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: P145139
 CATALOG NUMBER: LDRL-SL3-E03-E-7030

CANDELA DISTRIBUTION (continued):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3
2.5°	879.0	878.5	878.5	876.8	875.7	875.2	874.6	873.0	871.9	871.9	871.3
5°	899.8	898.7	897.1	896.5	894.4	893.3	891.1	890.0	888.3	887.2	886.7
7.5°	929.4	926.7	923.4	923.9	920.7	919.0	917.9	915.7	914.1	912.4	911.9
10°	968.9	968.3	965.0	966.1	960.1	962.9	957.4	957.9	954.6	951.3	950.8
12.5°	1019.3	1018.8	1015.5	1011.6	1010.5	1011.1	1007.8	1008.3	1004.5	1003.4	1002.3
15°	1067.5	1066.4	1064.8	1062.0	1060.4	1059.9	1058.8	1057.7	1054.4	1054.4	1050.5
17.5°	1109.2	1109.7	1107.5	1105.3	1104.2	1102.6	1102.0	1102.0	1099.3	1096.6	1097.1
20°	1145.9	1147.0	1147.0	1145.3	1145.9	1144.8	1144.2	1145.3	1142.6	1141.5	1139.9
22.5°	1187.0	1187.0	1187.5	1188.6	1190.3	1190.8	1190.8	1189.7	1188.1	1187.5	1184.3
25°	1244.0	1241.8	1244.5	1245.6	1245.6	1248.4	1247.3	1247.8	1248.4	1246.7	1245.1
27.5°	1315.8	1313.6	1319.1	1322.9	1322.3	1324.0	1327.3	1323.4	1325.6	1327.3	1323.4
30°	1404.0	1409.5	1413.3	1416.1	1415.0	1419.9	1421.5	1421.0	1419.3	1422.1	1422.1
32.5°	1516.3	1513.6	1523.5	1529.5	1530.0	1528.9	1531.7	1535.0	1532.2	1536.6	1534.4
35°	1650.1	1651.7	1653.9	1660.5	1663.2	1658.8	1663.2	1667.0	1666.0	1666.5	1668.7
37.5°	1822.7	1825.4	1823.2	1823.8	1822.7	1843.5	1846.8	1850.1	1846.2	1843.0	1852.8
40°	2062.2	2062.2	2061.6	2068.7	2056.7	2069.8	2066.0	2075.3	2085.2	2079.7	2094.5
42.5°	2297.8	2311.0	2312.1	2301.6	2310.4	2324.7	2324.7	2330.7	2339.5	2330.7	2344.9
45°	2568.0	2584.4	2581.7	2599.2	2586.1	2602.5	2605.2	2597.6	2616.7	2618.9	2613.5
47.5°	2862.8	2866.1	2866.6	2872.7	2875.4	2888.6	2888.0	2902.3	2897.9	2876.0	2883.6
50°	3115.4	3123.7	3128.0	3131.9	3145.6	3154.9	3167.5	3169.7	3166.4	3159.8	3153.8
52.5°	3368.1	3387.8	3400.4	3434.4	3455.8	3472.7	3493.6	3501.2	3497.4	3495.8	3471.6
55°	3706.2	3753.3	3826.2	3873.3	3924.8	3955.0	3979.1	3991.2	3982.4	3986.8	3936.9
57.5°	4343.0	4453.7	4517.2	4597.8	4688.8	4726.6	4737.0	4779.7	4732.6	4685.5	4647.7
60°	5289.4	5391.3	5507.0	5589.7	5620.4	5725.1	5675.7	5620.4	5570.0	5472.4	5362.3
62.5°	6143.7	6275.3	6334.4	6411.7	6390.9	6382.1	6349.2	6261.0	6153.1	6007.8	5861.0
65°	6565.2	6639.1	6675.9	6701.1	6677.5	6616.7	6508.2	6377.7	6223.2	6035.2	5842.3
67°	6582.2	6616.1	6628.2	6604.1	6551.5	6456.7	6319.7	6135.0	5944.8	5729.4	5512.4
67.5°	6554.2	6576.7	6582.7	6544.9	6482.4	6379.9	6233.6	6036.3	5834.1	5610.5	5392.4
70°	6172.8	6156.3	6103.2	6051.1	5856.0	5718.5	5463.7	5253.2	4972.6	4767.1	4534.2
72.5°	5014.8	4939.8	4888.3	4658.1	4422.4	4286.0	4012.0	3760.4	3504.5	3308.9	3165.9
75°	2815.1	2760.3	2617.3	2495.6	2301.1	2123.0	1995.3	1835.3	1681.8	1590.9	1524.0
77.5°	1271.9	1115.2	1007.2	870.8	703.6	565.5	419.8	388.0	331.0	316.7	285.5
80°	992.4	880.1	738.7	582.5	411.0	276.2	202.8	172.1	161.7	155.1	151.8
82.5°	828.0	682.3	574.3	407.7	260.9	175.4	132.1	119.5	111.8	106.3	101.4
85°	354.0	280.0	230.7	165.0	117.3	92.6	81.1	74.0	66.9	60.8	57.0
87.5°	82.7	63.6	58.1	49.3	46.6	46.0	45.5	43.3	40.6	37.3	33.4
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: P145139

CATALOG NUMBER: LDRL-SL3-E03-E-7030

CANDELA DISTRIBUTION (continued):

	86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°
0°	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3
2.5°	870.8	870.2	869.1	867.5	867.5	865.3	858.2	853.3	847.8	844.5	841.2
5°	885.6	885.0	882.3	880.7	879.6	875.2	863.1	853.8	843.9	836.8	831.3
7.5°	910.2	908.6	906.4	905.3	902.0	896.5	879.0	865.9	851.6	840.1	830.8
10°	950.2	947.5	944.2	940.9	942.0	933.3	913.0	893.8	873.0	854.9	842.3
12.5°	999.0	999.0	997.4	995.2	991.4	981.5	954.1	931.6	906.4	883.9	874.6
15°	1050.5	1047.8	1045.1	1041.8	1041.2	1028.1	1003.4	977.7	951.3	932.2	921.2
17.5°	1092.7	1093.8	1090.0	1088.9	1087.8	1074.6	1048.3	1025.3	1006.1	985.9	968.3
20°	1137.7	1135.5	1134.4	1132.7	1132.2	1121.2	1100.4	1086.2	1069.2	1038.5	992.4
22.5°	1185.9	1183.2	1184.3	1181.0	1180.4	1172.7	1157.4	1153.0	1127.8	1063.1	983.1
25°	1248.4	1243.4	1245.1	1245.1	1245.6	1238.5	1236.9	1229.2	1165.6	1057.1	945.9
27.5°	1322.9	1325.1	1325.1	1324.5	1320.7	1322.9	1330.6	1304.3	1178.8	1025.3	890.0
30°	1419.9	1421.0	1422.1	1425.9	1417.7	1432.0	1441.3	1357.4	1168.9	981.5	819.8
32.5°	1537.7	1533.3	1535.5	1537.7	1540.5	1555.3	1549.8	1384.3	1139.9	921.8	732.7
35°	1667.6	1675.8	1678.0	1682.9	1688.4	1710.9	1647.9	1389.8	1095.5	841.7	621.4
37.5°	1861.0	1874.2	1874.2	1891.7	1881.3	1908.7	1735.5	1376.6	1028.1	730.5	495.9
40°	2104.9	2110.9	2117.0	2119.2	2113.7	2110.4	1793.1	1344.3	933.3	590.8	362.8
42.5°	2353.7	2351.5	2352.1	2355.9	2341.1	2279.2	1828.7	1287.8	815.4	441.1	260.3
45°	2621.7	2612.4	2609.6	2602.0	2588.8	2458.4	1849.0	1208.4	660.4	310.2	204.4
47.5°	2882.5	2871.0	2853.5	2832.1	2806.9	2602.5	1846.8	1105.3	506.4	221.9	180.3
50°	3150.0	3129.7	3091.9	3071.0	3028.3	2745.5	1834.2	990.8	364.4	183.6	168.8
52.5°	3455.8	3419.6	3384.5	3342.9	3272.2	2921.4	1815.0	862.0	265.8	168.2	161.1
55°	3911.7	3852.5	3795.0	3708.4	3639.9	3157.1	1782.7	723.4	209.9	162.2	156.7
57.5°	4540.3	4439.4	4366.5	4249.8	4140.2	3483.2	1748.2	597.3	187.4	160.6	154.5
60°	5247.7	5095.9	4960.0	4816.5	4691.5	3890.3	1730.1	498.7	182.5	162.2	155.1
62.5°	5691.6	5512.4	5342.6	5167.2	4987.4	4084.9	1651.7	430.7	184.7	169.3	159.5
65°	5635.7	5437.9	5253.2	5039.5	4870.2	3901.3	1452.2	364.4	188.5	181.9	171.5
67°	5258.7	5066.9	4856.5	4647.1	4482.7	3552.2	1225.9	306.9	192.9	196.2	184.7
67.5°	5157.9	4942.0	4729.9	4537.5	4359.4	3444.2	1166.7	292.6	194.0	200.0	189.1
70°	4301.3	4130.4	3882.1	3739.6	3610.8	2792.1	870.2	227.4	197.3	217.0	209.9
72.5°	3009.7	2844.2	2714.3	2636.5	2561.4	2028.7	612.1	181.4	192.4	226.3	219.2
75°	1520.2	1482.4	1436.9	1411.7	1412.8	1179.3	368.8	154.5	180.8	217.0	198.9
77.5°	300.3	292.6	295.9	323.9	318.9	363.3	183.0	131.0	154.0	167.1	143.0
80°	145.2	140.3	135.9	134.8	132.1	126.6	115.1	109.1	124.9	110.2	94.8
82.5°	94.3	88.8	86.6	82.2	82.7	89.9	100.3	104.7	101.4	76.2	64.1
85°	53.2	52.6	51.5	52.6	54.8	71.8	107.4	98.1	81.7	53.7	48.2
87.5°	31.8	30.1	30.7	31.2	32.3	53.2	84.9	70.7	52.1	27.9	28.5
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: P145139

CATALOG NUMBER: LDRL-SL3-E03-E-7030

CANDELA DISTRIBUTION (continued):

	155°	165°	175°	180°
0°	865.3	865.3	865.3	865.3
2.5°	840.6	838.5	838.5	837.9
5°	826.9	823.7	823.1	823.1
7.5°	824.8	820.4	819.8	818.2
10°	834.6	833.0	833.5	831.9
12.5°	865.9	868.0	870.2	870.2
15°	913.5	911.9	914.6	911.9
17.5°	948.6	934.4	931.1	929.4
20°	949.7	920.1	910.2	908.6
22.5°	915.7	871.9	855.4	852.7
25°	858.2	802.8	782.0	779.8
27.5°	785.8	723.9	693.2	692.1
30°	698.7	625.3	586.4	580.3
32.5°	592.4	505.3	464.2	451.0
35°	469.6	380.3	342.0	340.9
37.5°	350.7	281.1	256.5	255.4
40°	257.0	220.8	211.5	209.9
42.5°	209.9	195.1	191.3	189.6
45°	188.0	181.9	179.7	178.1
47.5°	174.8	171.0	169.3	169.3
50°	164.4	163.3	162.2	162.2
52.5°	157.3	156.7	155.6	155.1
55°	151.3	149.1	149.6	149.1
57.5°	147.4	144.1	144.1	144.1
60°	145.2	139.2	139.2	139.7
62.5°	145.8	136.5	135.9	135.9
65°	150.2	134.8	131.5	132.1
67°	155.6	133.2	126.6	126.0
67.5°	157.3	132.1	124.9	124.4
70°	163.9	128.8	116.7	115.6
72.5°	165.0	123.9	108.5	107.4
75°	153.4	117.3	101.9	99.2
77.5°	119.5	100.8	92.1	92.1
80°	83.8	77.3	65.8	65.2
82.5°	61.4	58.1	48.2	47.1
85°	44.9	42.2	35.6	35.6
87.5°	27.9	26.9	23.0	21.9
90°	0.0	0.0	0.0	0.0

(END OF REPORT)