

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: P145140

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145140
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
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8906.1 lumens
Efficiency: N/A
Efficacy: 118.4 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

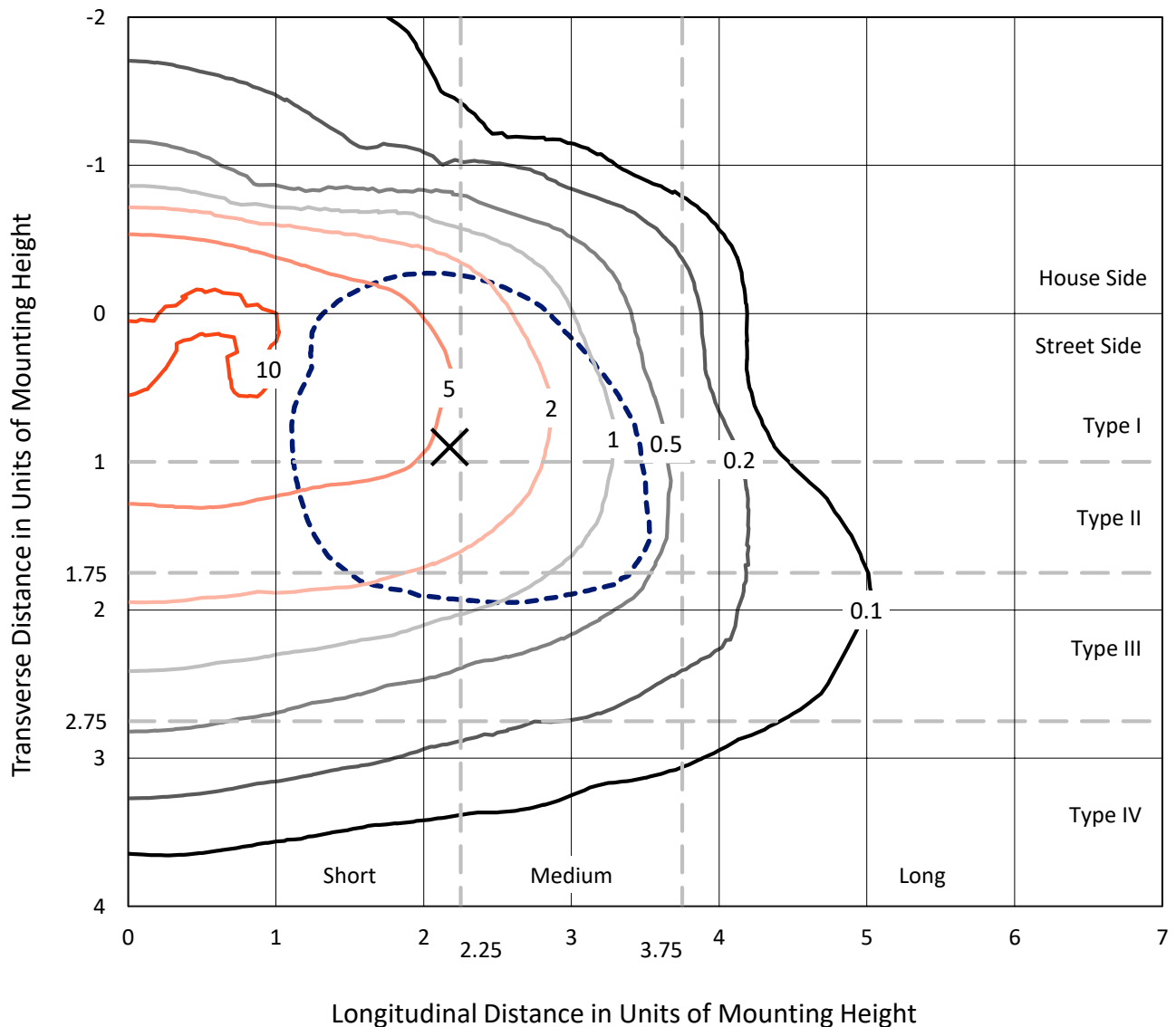
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P145140
 CATALOG NUMBER: LDRL-SL3-E03-E

Iso-Footcandle Lines of Horizontal Illumination

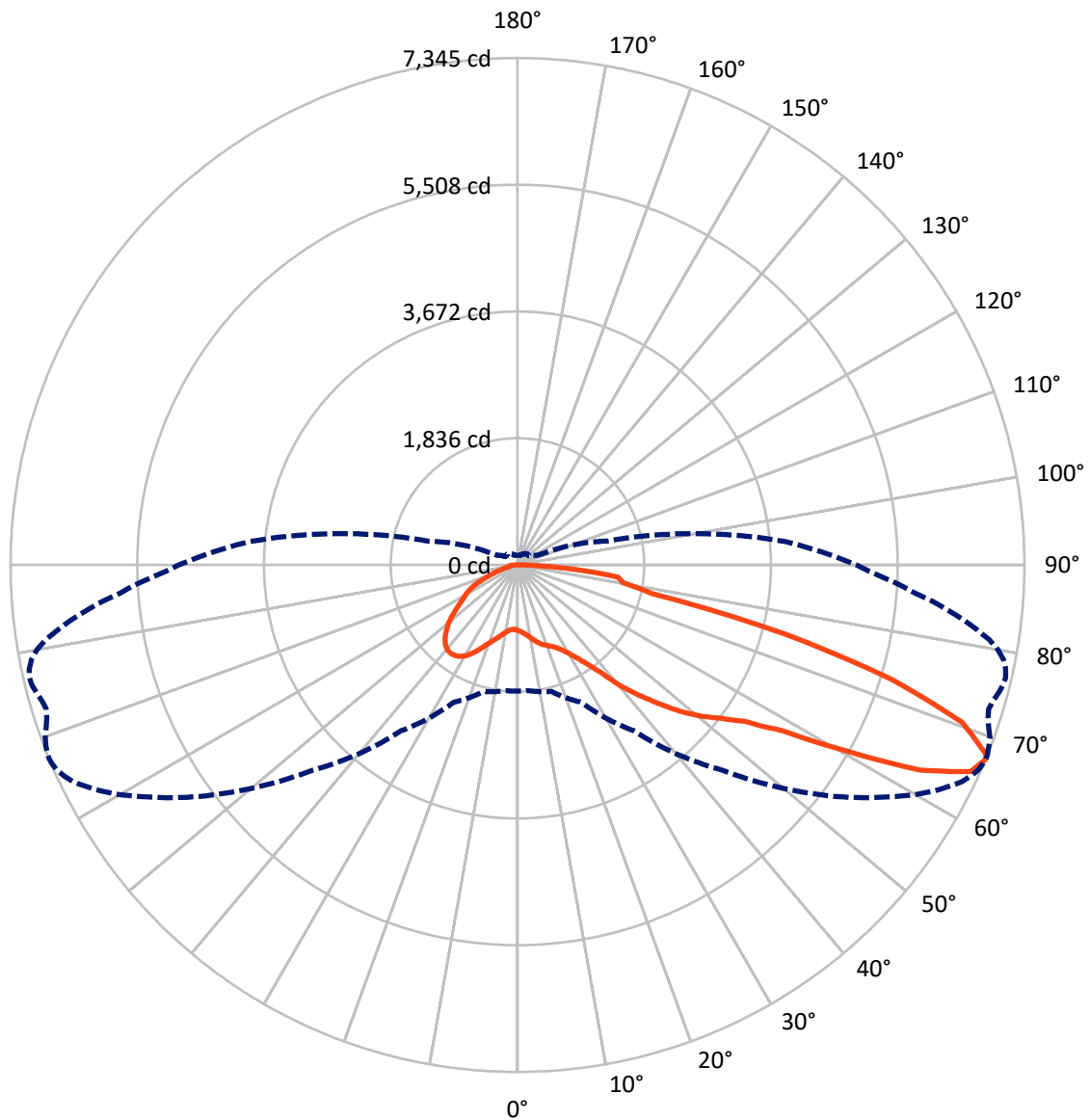
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P145140
CATALOG NUMBER: LDRL-SL3-E03-E

Luminous Intensity Polar Plot



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

REPORT NUMBER: P145140

CATALOG NUMBER: LDRL-SL3-E03-E

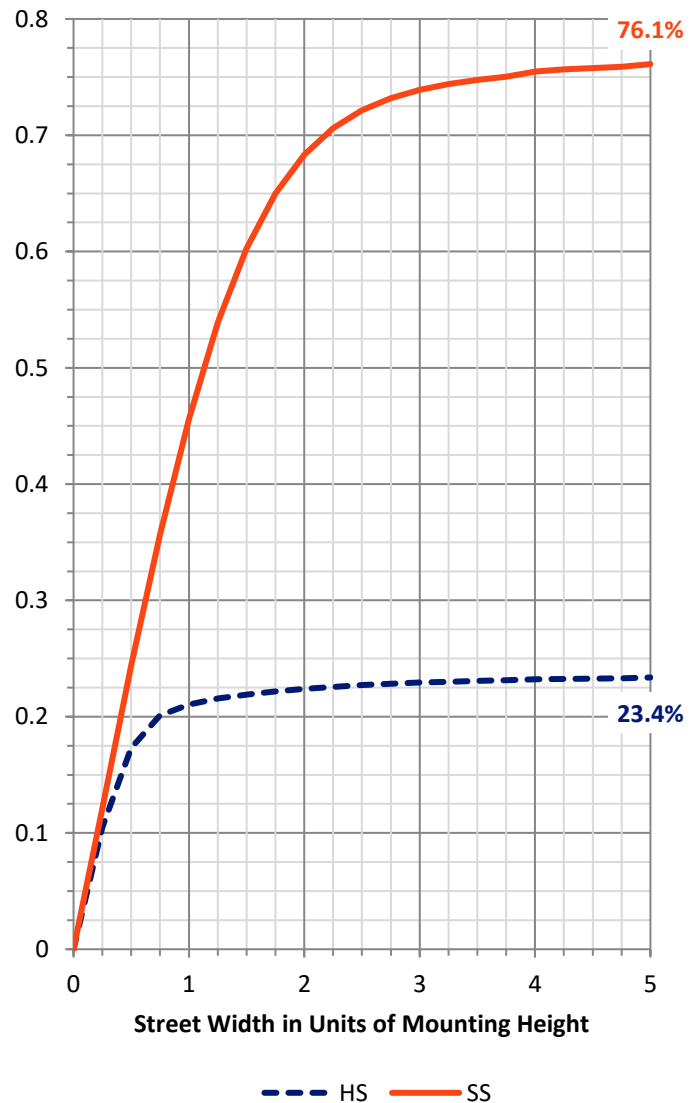
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2108.9	0.0	2108.9
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	6797.2	0.0	6797.2
	% Fixture	76.3	0.0	76.3
Total	Lumens	8906.1	0.0	8906.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	1.1
10°-20°	323.8	3.6
20°-30°	576.4	6.5
30°-40°	839.7	9.4
40°-50°	1293.7	14.5
50°-60°	1894.7	21.3
60°-70°	2516.0	28.3
70°-80°	1186.0	13.3
80°-90°	181.3	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°	8906.1	100.0
0°-180°	8906.1	100.0



REPORT NUMBER: P145140

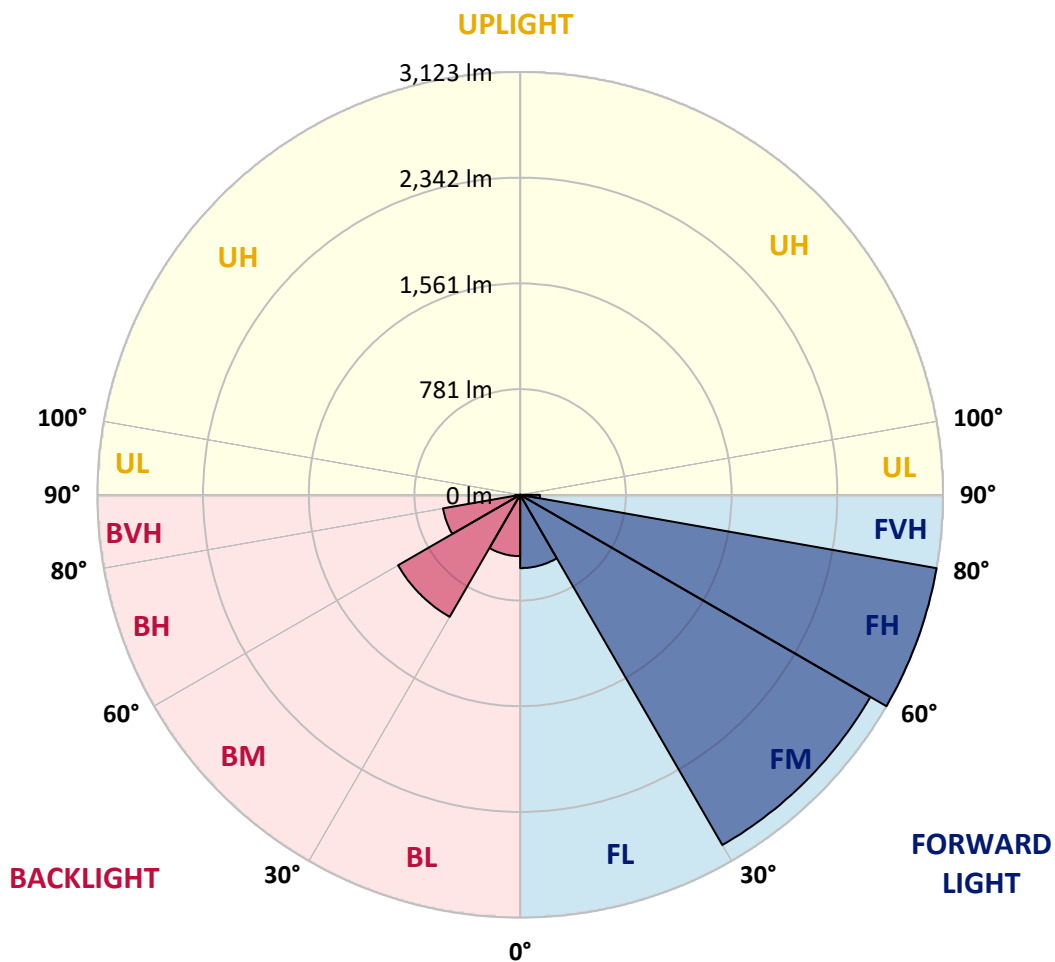
CATALOG NUMBER: LDRL-SL3-E03-E

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	541.4	6.1			
FM	(30°-60°)	2986.7	33.5			
FH	(60°-80°)	3123.0	35.1			G2/5000
FVH	(80°-90°)	146.1	1.6			G2/225
BL	(0°-30°)	453.4	5.1	B1/500		
BM	(30°-60°)	1041.4	11.7	B2/2500		
BH	(60°-80°)	579.0	6.5	B2/1000		G2/1000
BVH	(80°-90°)	35.2	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: P145140
 CATALOG NUMBER: LDRL-SL3-E03-E

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4
2.5°	994.8	990.6	991.2	993.0	987.0	984.0	977.4	973.2	972.6	972.0	969.6
5°	1053.0	1048.8	1050.6	1045.8	1034.4	1026.6	1012.8	1005.6	1004.4	1003.2	1000.2
7.5°	1113.6	1108.2	1102.2	1096.8	1084.2	1071.6	1053.6	1042.8	1041.6	1039.8	1038.0
10°	1185.6	1177.8	1173.0	1156.2	1134.6	1117.2	1099.2	1087.8	1087.2	1085.4	1081.8
12.5°	1266.6	1258.2	1249.2	1227.0	1193.4	1167.6	1146.6	1140.0	1134.6	1135.2	1131.6
15°	1347.0	1338.0	1326.0	1297.8	1253.4	1215.0	1188.0	1178.4	1179.0	1176.0	1177.8
17.5°	1414.8	1407.0	1389.6	1353.6	1302.0	1249.2	1215.0	1210.8	1212.0	1211.4	1213.2
20°	1459.2	1454.4	1428.0	1384.8	1326.6	1268.4	1233.6	1233.6	1234.2	1236.6	1240.8
22.5°	1486.2	1479.0	1444.2	1383.6	1326.0	1277.4	1250.4	1256.4	1260.0	1261.8	1268.4
25°	1501.2	1492.2	1444.8	1364.4	1305.6	1284.0	1275.6	1290.6	1296.6	1299.6	1310.4
27.5°	1501.2	1490.4	1437.0	1340.4	1282.2	1303.8	1323.6	1349.4	1353.6	1362.6	1375.2
30°	1484.4	1476.0	1425.0	1322.4	1276.2	1341.0	1401.0	1430.4	1440.6	1450.8	1467.0
32.5°	1466.4	1459.2	1419.0	1332.0	1309.8	1419.0	1519.2	1559.4	1565.4	1573.8	1590.6
35°	1465.2	1462.8	1445.4	1393.2	1411.2	1561.8	1697.4	1725.0	1741.8	1746.0	1753.2
37.5°	1477.8	1482.6	1497.6	1492.2	1557.0	1774.2	1930.8	1986.0	1999.2	1992.0	1998.6
40°	1507.2	1519.2	1575.0	1644.0	1779.6	2031.0	2248.8	2312.4	2326.8	2322.6	2320.8
42.5°	1600.2	1616.4	1698.6	1846.2	2011.2	2296.8	2544.0	2612.4	2617.2	2619.6	2604.0
45°	1746.0	1755.0	1864.2	2052.6	2262.0	2583.0	2838.6	2914.8	2911.8	2899.8	2888.4
47.5°	1911.6	1930.2	2061.0	2289.0	2521.2	2847.6	3136.8	3211.2	3217.8	3207.0	3186.0
50°	2062.2	2076.6	2224.2	2494.8	2749.8	3067.8	3388.2	3463.2	3462.0	3468.0	3474.0
52.5°	2181.0	2194.2	2334.6	2632.2	2917.8	3252.6	3577.8	3670.2	3684.6	3694.2	3706.2
55°	2242.2	2256.0	2385.6	2689.2	3019.8	3433.2	3796.8	3929.4	3954.0	3975.6	3995.4
57.5°	2243.4	2261.4	2380.2	2685.0	3072.6	3594.6	4086.6	4324.8	4359.6	4414.8	4482.6
60°	2206.8	2232.0	2338.8	2646.0	3133.2	3799.2	4564.2	5020.2	5088.6	5185.2	5272.2
62.5°	2111.4	2136.6	2232.0	2547.0	3204.0	4061.4	5254.2	5922.6	6068.4	6175.2	6347.4
65°	1960.8	1984.8	2065.2	2383.2	3147.6	4268.4	5768.4	6570.0	6718.8	6852.6	7054.8
67°	1826.4	1828.8	1896.6	2195.4	2928.0	4204.2	5871.6	6656.4	6793.8	6929.4	7164.0
67.5°	1779.0	1792.2	1845.0	2133.0	2844.6	4156.8	5830.8	6609.6	6742.8	6887.4	7126.8
70°	1438.2	1441.8	1492.8	1701.6	2257.2	3446.4	5237.4	6012.6	6103.8	6315.6	6550.8
72.5°	877.2	871.2	887.4	1042.2	1485.6	2386.8	4193.4	4950.0	5074.8	5255.4	5414.4
75°	483.0	511.8	531.6	639.0	834.6	1403.4	2855.4	3581.4	3764.4	3871.8	3903.6
77.5°	295.2	292.8	301.8	412.2	684.6	960.0	1577.4	2101.2	2203.2	2233.8	2115.6
80°	140.4	145.8	144.0	169.8	331.8	810.0	1102.8	1349.4	1401.0	1430.4	1468.8
82.5°	76.8	79.8	90.6	101.4	130.8	348.6	951.6	1244.4	1279.2	1329.6	1386.0
85°	48.0	50.4	69.6	73.2	80.4	107.4	396.6	727.2	756.6	856.8	888.6
87.5°	19.8	21.6	37.8	34.2	40.8	37.8	120.0	184.8	196.2	208.8	231.6
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: P145140
 CATALOG NUMBER: LDRL-SL3-E03-E

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	67.5°	68°	69°	70°	71°	72°	73°	74°
0°	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4
2.5°	970.2	969.6	967.2	966.6	967.8	967.8	966.6	964.8	964.2	963.6	962.4
5°	999.0	997.8	996.0	994.8	994.2	994.2	992.4	990.6	988.8	986.4	985.8
7.5°	1033.2	1033.2	1032.6	1030.8	1029.0	1026.6	1024.8	1023.0	1021.2	1020.0	1018.2
10°	1078.2	1080.6	1076.4	1075.2	1074.6	1071.0	1070.4	1068.6	1067.4	1064.4	1064.4
12.5°	1131.6	1129.2	1128.6	1126.2	1126.2	1124.4	1123.8	1123.2	1122.0	1119.6	1119.0
15°	1176.0	1176.0	1175.4	1174.2	1175.4	1174.2	1172.4	1173.6	1171.8	1172.4	1170.6
17.5°	1212.0	1214.4	1213.8	1214.4	1213.8	1213.8	1215.0	1215.0	1216.2	1213.8	1214.4
20°	1242.0	1245.6	1247.4	1246.2	1247.4	1248.0	1251.0	1252.2	1254.0	1255.2	1255.2
22.5°	1273.2	1278.0	1281.6	1281.6	1284.0	1286.4	1291.8	1293.0	1297.2	1296.6	1299.6
25°	1317.0	1324.8	1327.2	1330.8	1333.8	1338.0	1344.6	1347.6	1349.4	1353.6	1358.4
27.5°	1384.2	1393.8	1395.6	1399.8	1407.6	1410.0	1417.2	1420.2	1426.8	1435.8	1437.6
30°	1476.0	1488.0	1488.6	1493.4	1502.4	1505.4	1511.4	1519.2	1524.6	1533.6	1534.2
32.5°	1600.8	1612.8	1611.0	1620.0	1619.4	1628.4	1626.6	1638.6	1643.4	1648.2	1661.4
35°	1767.0	1765.8	1774.8	1777.8	1776.0	1783.2	1782.0	1787.4	1792.2	1792.2	1806.6
37.5°	2006.4	2004.6	2003.4	1990.8	1987.8	1988.4	1986.0	1990.8	1983.0	1983.0	1998.6
40°	2327.4	2316.6	2308.2	2299.8	2291.4	2280.0	2270.4	2268.0	2254.8	2254.2	2248.2
42.5°	2606.4	2596.2	2590.2	2574.0	2565.6	2563.8	2540.4	2533.8	2530.2	2532.6	2526.6
45°	2899.2	2888.4	2865.6	2858.4	2856.0	2843.4	2839.8	2823.6	2818.8	2827.2	2824.2
47.5°	3201.0	3185.4	3172.8	3164.4	3161.4	3150.6	3135.0	3148.2	3141.6	3136.8	3127.8
50°	3472.2	3454.8	3454.8	3439.8	3442.2	3435.0	3418.8	3422.4	3403.8	3411.0	3406.2
52.5°	3699.6	3700.8	3706.8	3690.0	3693.0	3693.0	3687.6	3670.2	3675.0	3672.6	3684.0
55°	3988.8	4008.6	3997.8	4000.8	4004.4	4021.2	4033.2	4023.0	4006.2	4019.4	4056.0
57.5°	4494.6	4512.6	4523.4	4531.8	4545.6	4553.4	4618.2	4627.2	4608.0	4647.6	4729.2
60°	5374.2	5395.8	5428.2	5470.8	5479.8	5534.4	5568.0	5607.6	5622.0	5656.2	5743.8
62.5°	6432.0	6480.6	6486.6	6540.6	6582.6	6531.6	6544.8	6593.4	6538.2	6613.8	6617.4
65°	7124.4	7195.2	7197.6	7217.4	7233.0	7185.0	7163.4	7141.8	7089.6	7086.6	7138.8
67°	7243.2	7308.0	7335.0	7344.6	7342.2	7317.6	7282.2	7219.8	7169.4	7140.6	7162.2
67.5°	7209.6	7273.2	7311.0	7320.0	7320.6	7296.6	7264.2	7196.4	7149.0	7116.6	7139.4
70°	6657.6	6806.4	6871.2	6837.6	6856.8	6856.8	6855.6	6793.2	6769.8	6738.6	6726.6
72.5°	5535.6	5638.8	5721.0	5677.2	5682.6	5723.4	5713.8	5720.4	5653.2	5646.0	5535.0
75°	3965.4	3998.4	3970.8	4002.0	3834.0	3774.0	3672.0	3523.2	3484.2	3422.4	3237.6
77.5°	2106.6	2069.4	1995.6	1989.6	1920.6	1867.2	1801.2	1758.0	1648.8	1588.2	1449.6
80°	1488.0	1506.0	1534.2	1551.0	1566.6	1578.6	1554.0	1485.0	1393.8	1291.8	1195.2
82.5°	1421.4	1446.0	1462.8	1471.2	1465.2	1446.0	1389.6	1323.6	1201.8	1113.6	1009.2
85°	896.4	916.2	882.0	874.8	889.8	768.6	702.0	648.0	525.0	488.4	431.4
87.5°	240.6	253.8	254.4	246.6	241.8	213.0	188.4	166.8	138.0	129.6	105.0
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: P145140
 CATALOG NUMBER: LDRL-SL3-E03-E

CANDELA DISTRIBUTION (continued):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4
2.5°	962.4	961.8	961.8	960.0	958.8	958.2	957.6	955.8	954.6	954.6	954.0
5°	985.2	984.0	982.2	981.6	979.2	978.0	975.6	974.4	972.6	971.4	970.8
7.5°	1017.6	1014.6	1011.0	1011.6	1008.0	1006.2	1005.0	1002.6	1000.8	999.0	998.4
10°	1060.8	1060.2	1056.6	1057.8	1051.2	1054.2	1048.2	1048.8	1045.2	1041.6	1041.0
12.5°	1116.0	1115.4	1111.8	1107.6	1106.4	1107.0	1103.4	1104.0	1099.8	1098.6	1097.4
15°	1168.8	1167.6	1165.8	1162.8	1161.0	1160.4	1159.2	1158.0	1154.4	1154.4	1150.2
17.5°	1214.4	1215.0	1212.6	1210.2	1209.0	1207.2	1206.6	1206.6	1203.6	1200.6	1201.2
20°	1254.6	1255.8	1255.8	1254.0	1254.6	1253.4	1252.8	1254.0	1251.0	1249.8	1248.0
22.5°	1299.6	1299.6	1300.2	1301.4	1303.2	1303.8	1303.8	1302.6	1300.8	1300.2	1296.6
25°	1362.0	1359.6	1362.6	1363.8	1363.8	1366.8	1365.6	1366.2	1366.8	1365.0	1363.2
27.5°	1440.6	1438.2	1444.2	1448.4	1447.8	1449.6	1453.2	1449.0	1451.4	1453.2	1449.0
30°	1537.2	1543.2	1547.4	1550.4	1549.2	1554.6	1556.4	1555.8	1554.0	1557.0	1557.0
32.5°	1660.2	1657.2	1668.0	1674.6	1675.2	1674.0	1677.0	1680.6	1677.6	1682.4	1680.0
35°	1806.6	1808.4	1810.8	1818.0	1821.0	1816.2	1821.0	1825.2	1824.0	1824.6	1827.0
37.5°	1995.6	1998.6	1996.2	1996.8	1995.6	2018.4	2022.0	2025.6	2021.4	2017.8	2028.6
40°	2257.8	2257.8	2257.2	2265.0	2251.8	2266.2	2262.0	2272.2	2283.0	2277.0	2293.2
42.5°	2515.8	2530.2	2531.4	2520.0	2529.6	2545.2	2545.2	2551.8	2561.4	2551.8	2567.4
45°	2811.6	2829.6	2826.6	2845.8	2831.4	2849.4	2852.4	2844.0	2865.0	2867.4	2861.4
47.5°	3134.4	3138.0	3138.6	3145.2	3148.2	3162.6	3162.0	3177.6	3172.8	3148.8	3157.2
50°	3411.0	3420.0	3424.8	3429.0	3444.0	3454.2	3468.0	3470.4	3466.8	3459.6	3453.0
52.5°	3687.6	3709.2	3723.0	3760.2	3783.6	3802.2	3825.0	3833.4	3829.2	3827.4	3801.0
55°	4057.8	4109.4	4189.2	4240.8	4297.2	4330.2	4356.6	4369.8	4360.2	4365.0	4310.4
57.5°	4755.0	4876.2	4945.8	5034.0	5133.6	5175.0	5186.4	5233.2	5181.6	5130.0	5088.6
60°	5791.2	5902.8	6029.4	6120.0	6153.6	6268.2	6214.2	6153.6	6098.4	5991.6	5871.0
62.5°	6726.6	6870.6	6935.4	7020.0	6997.2	6987.6	6951.6	6855.0	6736.8	6577.8	6417.0
65°	7188.0	7269.0	7309.2	7336.8	7311.0	7244.4	7125.6	6982.8	6813.6	6607.8	6396.6
67°	7206.6	7243.8	7257.0	7230.6	7173.0	7069.2	6919.2	6717.0	6508.8	6273.0	6035.4
67.5°	7176.0	7200.6	7207.2	7165.8	7097.4	6985.2	6825.0	6609.0	6387.6	6142.8	5904.0
70°	6758.4	6740.4	6682.2	6625.2	6411.6	6261.0	5982.0	5751.6	5444.4	5219.4	4964.4
72.5°	5490.6	5408.4	5352.0	5100.0	4842.0	4692.6	4392.6	4117.2	3837.0	3622.8	3466.2
75°	3082.2	3022.2	2865.6	2732.4	2519.4	2324.4	2184.6	2009.4	1841.4	1741.8	1668.6
77.5°	1392.6	1221.0	1102.8	953.4	770.4	619.2	459.6	424.8	362.4	346.8	312.6
80°	1086.6	963.6	808.8	637.8	450.0	302.4	222.0	188.4	177.0	169.8	166.2
82.5°	906.6	747.0	628.8	446.4	285.6	192.0	144.6	130.8	122.4	116.4	111.0
85°	387.6	306.6	252.6	180.6	128.4	101.4	88.8	81.0	73.2	66.6	62.4
87.5°	90.6	69.6	63.6	54.0	51.0	50.4	49.8	47.4	44.4	40.8	36.6
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: P145140
 CATALOG NUMBER: LDRL-SL3-E03-E

CANDELA DISTRIBUTION (continued):

	86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°
0°	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4	947.4
2.5°	953.4	952.8	951.6	949.8	949.8	947.4	939.6	934.2	928.2	924.6	921.0
5°	969.6	969.0	966.0	964.2	963.0	958.2	945.0	934.8	924.0	916.2	910.2
7.5°	996.6	994.8	992.4	991.2	987.6	981.6	962.4	948.0	932.4	919.8	909.6
10°	1040.4	1037.4	1033.8	1030.2	1031.4	1021.8	999.6	978.6	955.8	936.0	922.2
12.5°	1093.8	1093.8	1092.0	1089.6	1085.4	1074.6	1044.6	1020.0	992.4	967.8	957.6
15°	1150.2	1147.2	1144.2	1140.6	1140.0	1125.6	1098.6	1070.4	1041.6	1020.6	1008.6
17.5°	1196.4	1197.6	1193.4	1192.2	1191.0	1176.6	1147.8	1122.6	1101.6	1079.4	1060.2
20°	1245.6	1243.2	1242.0	1240.2	1239.6	1227.6	1204.8	1189.2	1170.6	1137.0	1086.6
22.5°	1298.4	1295.4	1296.6	1293.0	1292.4	1284.0	1267.2	1262.4	1234.8	1164.0	1076.4
25°	1366.8	1361.4	1363.2	1363.2	1363.8	1356.0	1354.2	1345.8	1276.2	1157.4	1035.6
27.5°	1448.4	1450.8	1450.8	1450.2	1446.0	1448.4	1456.8	1428.0	1290.6	1122.6	974.4
30°	1554.6	1555.8	1557.0	1561.2	1552.2	1567.8	1578.0	1486.2	1279.8	1074.6	897.6
32.5°	1683.6	1678.8	1681.2	1683.6	1686.6	1702.8	1696.8	1515.6	1248.0	1009.2	802.2
35°	1825.8	1834.8	1837.2	1842.6	1848.6	1873.2	1804.2	1521.6	1199.4	921.6	680.4
37.5°	2037.6	2052.0	2052.0	2071.2	2059.8	2089.8	1900.2	1507.2	1125.6	799.8	543.0
40°	2304.6	2311.2	2317.8	2320.2	2314.2	2310.6	1963.2	1471.8	1021.8	646.8	397.2
42.5°	2577.0	2574.6	2575.2	2579.4	2563.2	2495.4	2002.2	1410.0	892.8	483.0	285.0
45°	2870.4	2860.2	2857.2	2848.8	2834.4	2691.6	2024.4	1323.0	723.0	339.6	223.8
47.5°	3156.0	3143.4	3124.2	3100.8	3073.2	2849.4	2022.0	1210.2	554.4	243.0	197.4
50°	3448.8	3426.6	3385.2	3362.4	3315.6	3006.0	2008.2	1084.8	399.0	201.0	184.8
52.5°	3783.6	3744.0	3705.6	3660.0	3582.6	3198.6	1987.2	943.8	291.0	184.2	176.4
55°	4282.8	4218.0	4155.0	4060.2	3985.2	3456.6	1951.8	792.0	229.8	177.6	171.6
57.5°	4971.0	4860.6	4780.8	4653.0	4533.0	3813.6	1914.0	654.0	205.2	175.8	169.2
60°	5745.6	5579.4	5430.6	5273.4	5136.6	4259.4	1894.2	546.0	199.8	177.6	169.8
62.5°	6231.6	6035.4	5849.4	5657.4	5460.6	4472.4	1808.4	471.6	202.2	185.4	174.6
65°	6170.4	5953.8	5751.6	5517.6	5332.2	4271.4	1590.0	399.0	206.4	199.2	187.8
67°	5757.6	5547.6	5317.2	5088.0	4908.0	3889.2	1342.2	336.0	211.2	214.8	202.2
67.5°	5647.2	5410.8	5178.6	4968.0	4773.0	3771.0	1277.4	320.4	212.4	219.0	207.0
70°	4709.4	4522.2	4250.4	4094.4	3953.4	3057.0	952.8	249.0	216.0	237.6	229.8
72.5°	3295.2	3114.0	2971.8	2886.6	2804.4	2221.2	670.2	198.6	210.6	247.8	240.0
75°	1664.4	1623.0	1573.2	1545.6	1546.8	1291.2	403.8	169.2	198.0	237.6	217.8
77.5°	328.8	320.4	324.0	354.6	349.2	397.8	200.4	143.4	168.6	183.0	156.6
80°	159.0	153.6	148.8	147.6	144.6	138.6	126.0	119.4	136.8	120.6	103.8
82.5°	103.2	97.2	94.8	90.0	90.6	98.4	109.8	114.6	111.0	83.4	70.2
85°	58.2	57.6	56.4	57.6	60.0	78.6	117.6	107.4	89.4	58.8	52.8
87.5°	34.8	33.0	33.6	34.2	35.4	58.2	93.0	77.4	57.0	30.6	31.2
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: P145140
 CATALOG NUMBER: LDRL-SL3-E03-E

CANDELA DISTRIBUTION (continued):

	155°	165°	175°	180°
0°	947.4	947.4	947.4	947.4
2.5°	920.4	918.0	918.0	917.4
5°	905.4	901.8	901.2	901.2
7.5°	903.0	898.2	897.6	895.8
10°	913.8	912.0	912.6	910.8
12.5°	948.0	950.4	952.8	952.8
15°	1000.2	998.4	1001.4	998.4
17.5°	1038.6	1023.0	1019.4	1017.6
20°	1039.8	1007.4	996.6	994.8
22.5°	1002.6	954.6	936.6	933.6
25°	939.6	879.0	856.2	853.8
27.5°	860.4	792.6	759.0	757.8
30°	765.0	684.6	642.0	635.4
32.5°	648.6	553.2	508.2	493.8
35°	514.2	416.4	374.4	373.2
37.5°	384.0	307.8	280.8	279.6
40°	281.4	241.8	231.6	229.8
42.5°	229.8	213.6	209.4	207.6
45°	205.8	199.2	196.8	195.0
47.5°	191.4	187.2	185.4	185.4
50°	180.0	178.8	177.6	177.6
52.5°	172.2	171.6	170.4	169.8
55°	165.6	163.2	163.8	163.2
57.5°	161.4	157.8	157.8	157.8
60°	159.0	152.4	152.4	153.0
62.5°	159.6	149.4	148.8	148.8
65°	164.4	147.6	144.0	144.6
67°	170.4	145.8	138.6	138.0
67.5°	172.2	144.6	136.8	136.2
70°	179.4	141.0	127.8	126.6
72.5°	180.6	135.6	118.8	117.6
75°	168.0	128.4	111.6	108.6
77.5°	130.8	110.4	100.8	100.8
80°	91.8	84.6	72.0	71.4
82.5°	67.2	63.6	52.8	51.6
85°	49.2	46.2	39.0	39.0
87.5°	30.6	29.4	25.2	24.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)