

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: P146374

Luminaire Tested: **LDRL-T2-F06-E-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P146374
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-F06-E-7030
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13565.4 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

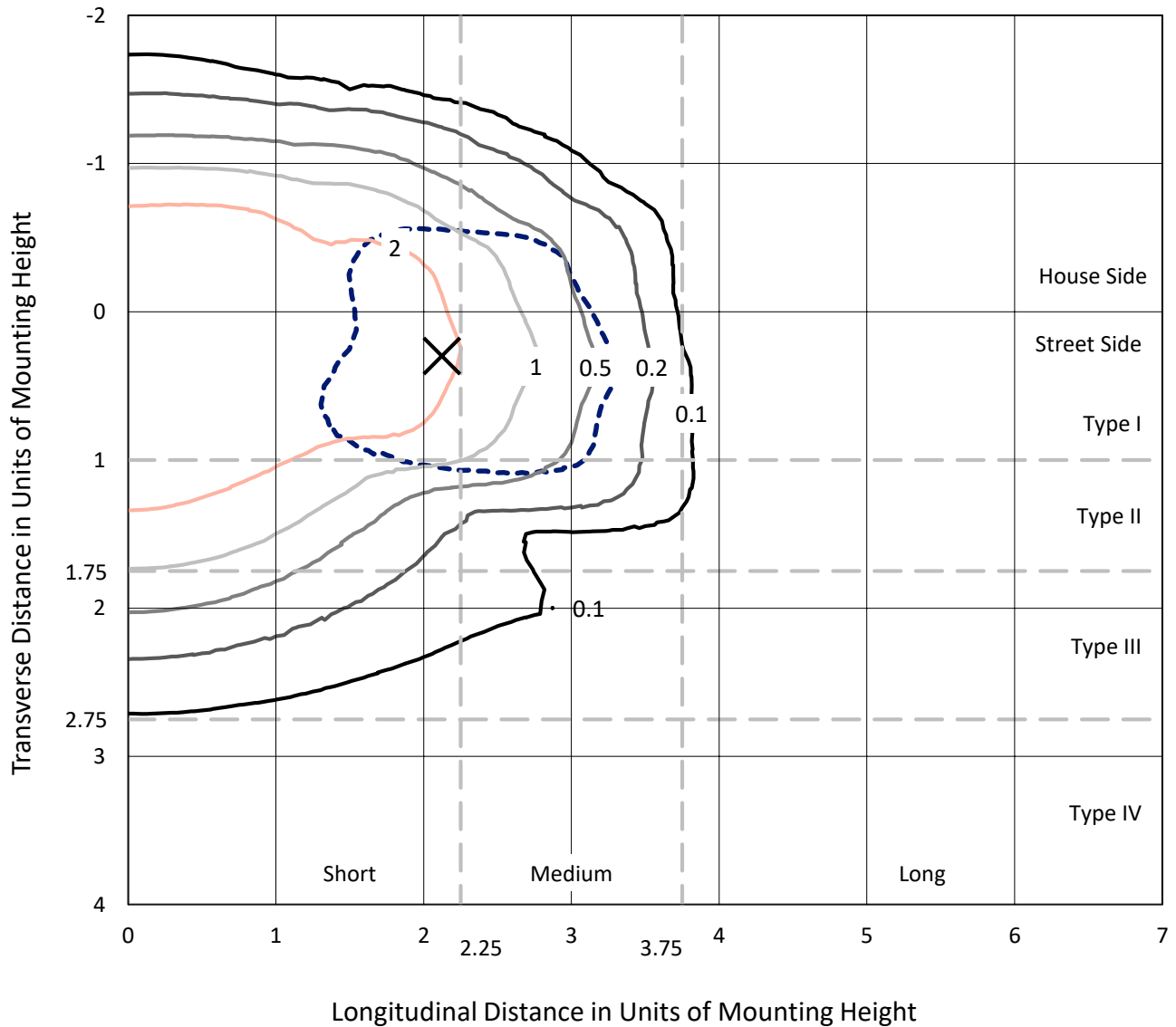
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P146374
 CATALOG NUMBER: LDRL-T2-F06-E-7030

Iso-Footcandle Lines of Horizontal Illumination

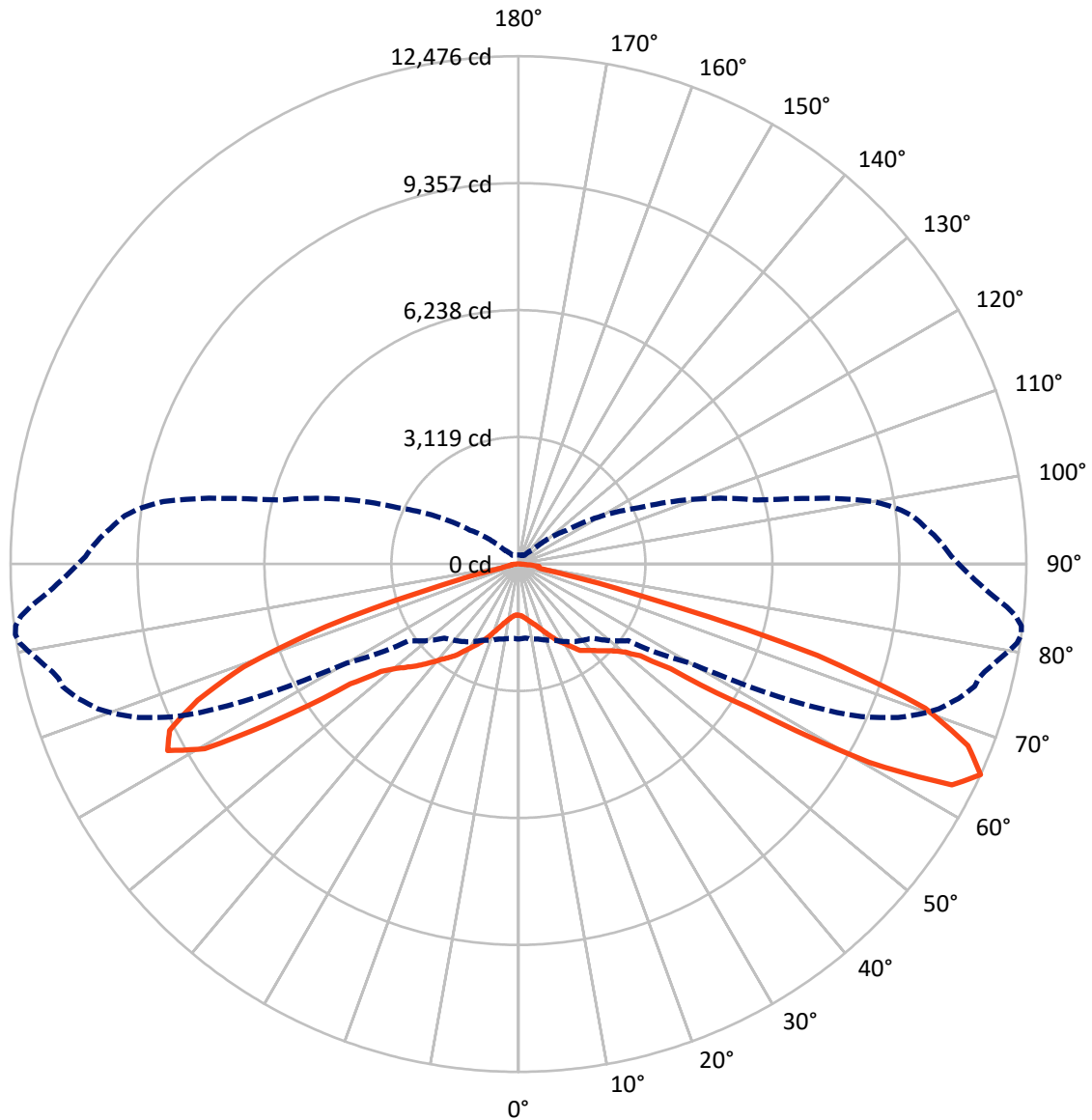
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P146374
CATALOG NUMBER: LDRL-T2-F06-E-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P146374

CATALOG NUMBER: LDRL-T2-F06-E-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4993.5	0.0	4993.5
	% Fixture	36.8	0.0	36.8
Street Side	Lumens	8571.9	0.0	8571.9
	% Fixture	63.2	0.0	63.2
Total	Lumens	13565.4	0.0	13565.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.5	0.9
10°-20°	449.2	3.3
20°-30°	891.1	6.6
30°-40°	1520.4	11.2
40°-50°	2279.9	16.8
50°-60°	3173.4	23.4
60°-70°	3645.8	26.9
70°-80°	1258.1	9.3
80°-90°	220.0	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°	13565.4	100.0
0°-180°	13565.4	100.0



REPORT NUMBER: P146374

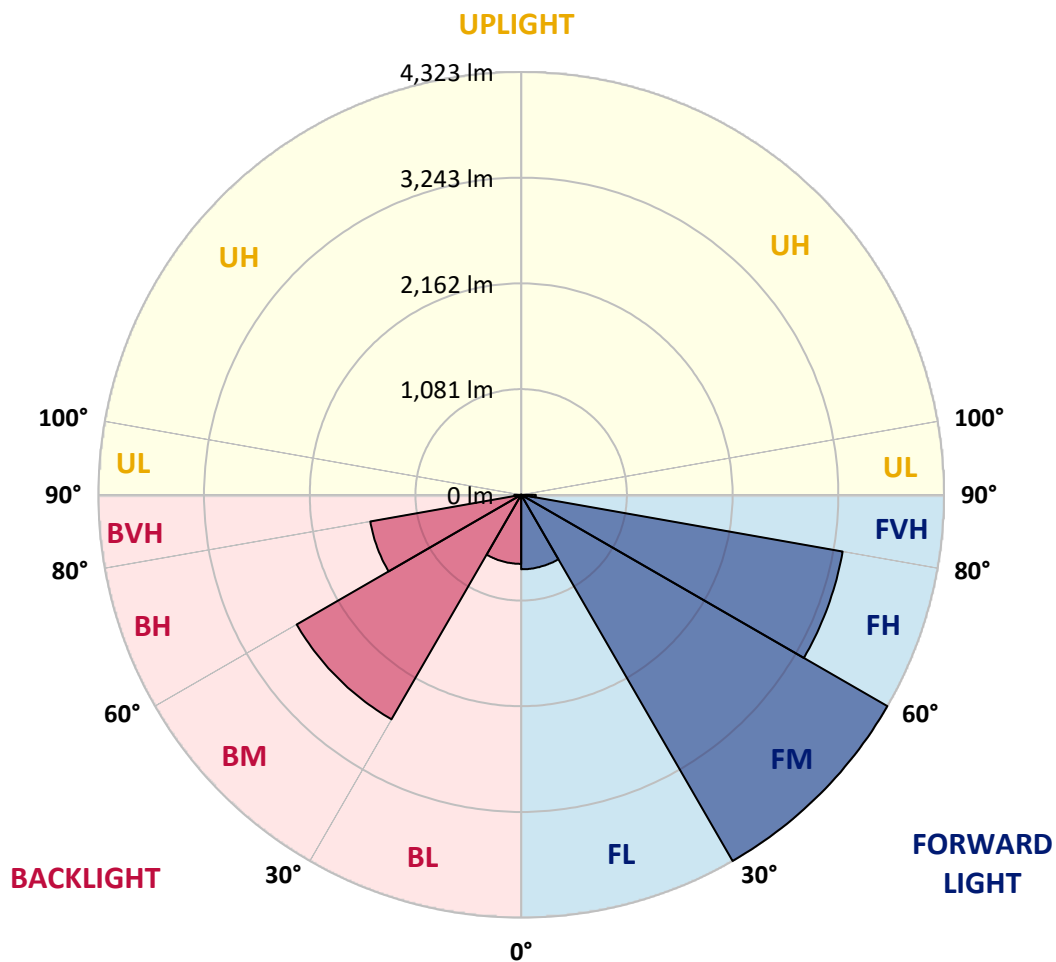
CATALOG NUMBER: LDRL-T2-F06-E-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	761.5	5.6			
FM	(30°-60°)	4323.5	31.9			
FH	(60°-80°)	3337.5	24.6			G2/5000
FVH	(80°-90°)	149.4	1.1			G2/225
BL	(0°-30°)	706.3	5.2	B2/1000		
BM	(30°-60°)	2650.2	19.5	B3/5000		
BH	(60°-80°)	1566.4	11.5	B3/2500		G3/2500
BVH	(80°-90°)	70.6	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





REPORT NUMBER: P146374

CATALOG NUMBER: LDRL-T2-F06-E-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8
2.5°	1326.4	1325.5	1324.6	1321.0	1319.2	1311.9	1304.7	1300.2	1296.6	1298.4	1292.9
5°	1403.3	1403.3	1399.7	1395.2	1389.8	1379.8	1361.7	1352.7	1350.9	1350.9	1344.5
7.5°	1482.0	1487.5	1477.5	1473.9	1464.9	1449.5	1428.7	1416.9	1413.3	1413.3	1407.9
10°	1581.6	1578.9	1568.0	1560.8	1542.7	1521.9	1493.8	1480.2	1474.8	1479.3	1470.3
12.5°	1686.5	1685.6	1669.3	1655.8	1630.4	1597.0	1559.9	1541.8	1538.1	1538.1	1532.7
15°	1793.3	1794.2	1776.1	1750.8	1711.0	1665.7	1624.1	1606.9	1602.4	1600.6	1594.2
17.5°	1874.7	1883.8	1865.7	1833.1	1784.3	1734.5	1690.2	1673.0	1672.1	1670.2	1663.0
20°	1920.9	1922.7	1912.7	1889.2	1845.8	1797.8	1767.1	1758.9	1758.0	1758.9	1760.7
22.5°	1919.1	1921.8	1918.2	1909.1	1881.1	1854.8	1851.2	1855.7	1858.4	1855.7	1862.1
25°	1904.6	1908.2	1908.2	1912.7	1905.5	1914.5	1943.5	1956.2	1957.1	1958.9	1972.4
27.5°	1936.3	1939.9	1939.0	1947.1	1953.4	1985.1	2037.6	2060.2	2062.9	2069.3	2081.9
30°	2082.8	2083.7	2067.5	2066.5	2072.9	2098.2	2151.6	2177.8	2175.1	2187.8	2195.9
32.5°	2314.5	2321.7	2305.4	2288.2	2285.5	2289.1	2299.1	2317.2	2314.5	2320.8	2331.6
35°	2578.7	2579.6	2570.5	2580.5	2585.9	2561.5	2514.4	2509.9	2495.4	2498.1	2501.8
37.5°	2821.1	2827.5	2844.7	2908.0	2944.2	2884.5	2792.2	2734.3	2725.2	2720.7	2689.0
40°	3048.2	3079.9	3121.5	3203.9	3253.6	3275.3	3144.2	3027.4	2995.8	2983.1	2933.3
42.5°	3314.3	3330.5	3379.4	3473.5	3539.5	3638.2	3550.4	3421.9	3384.8	3330.5	3268.1
45°	3539.5	3550.4	3581.2	3660.8	3799.2	3963.9	3973.8	3884.3	3855.3	3801.0	3709.6
47.5°	3690.6	3689.7	3712.4	3790.2	3970.2	4221.8	4371.1	4367.4	4334.0	4315.0	4237.1
50°	3749.5	3748.6	3763.0	3849.9	4046.2	4375.6	4704.9	4818.0	4817.1	4824.4	4784.5
52.5°	3760.3	3759.4	3761.2	3830.9	4030.8	4429.0	4945.6	5212.5	5251.4	5300.3	5344.6
55°	3678.9	3687.9	3707.8	3781.1	3972.9	4407.2	5123.8	5582.6	5675.8	5775.3	5936.3
57.5°	3490.7	3507.9	3576.6	3707.8	3911.4	4353.9	5247.8	6040.4	6229.5	6470.2	6906.3
60°	3221.1	3236.4	3331.4	3505.2	3732.3	4121.3	5103.9	6232.2	6591.4	7009.4	7903.4
62.5°	2744.2	2787.7	2838.3	2961.4	3199.3	3512.4	4457.9	5908.3	6464.7	7078.2	8308.7
65°	1843.1	1825.0	1909.1	2065.6	2327.1	2570.5	3284.4	4873.2	5577.1	6421.3	7944.1
67.5°	1140.9	1143.7	1200.7	1353.6	1550.8	1739.9	2081.9	3106.2	3730.5	4533.0	6364.3
70°	942.8	953.7	999.8	1141.8	1310.1	1523.7	1545.4	1646.7	1926.3	2314.5	3931.3
72.5°	748.3	752.8	799.8	918.4	1156.3	1449.5	1834.9	1251.3	1229.6	1288.4	1994.2
75°	464.2	467.8	491.3	567.3	750.1	1129.2	2020.4	1438.6	1348.1	1272.1	1284.8
77.5°	239.8	247.0	259.7	294.1	393.6	630.6	1590.6	1824.1	1720.9	1617.8	1416.0
80°	135.7	135.7	147.5	155.6	186.4	257.0	808.9	1974.3	2157.0	2201.4	1977.0
82.5°	60.6	67.9	91.4	97.7	106.8	117.6	267.8	1186.2	1645.8	2055.7	2540.7
85°	36.2	35.3	57.9	63.3	66.0	56.1	100.4	484.1	769.1	1125.6	1683.8
87.5°	14.5	15.4	24.4	26.2	30.8	22.6	38.0	104.1	152.9	221.7	313.1
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: P146374

CATALOG NUMBER: LDRL-T2-F06-E-7030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8
2.5°	1292.0	1292.0	1291.1	1290.2	1289.3	1286.6	1285.7	1283.9	1283.0	1280.3	1279.4
5°	1343.6	1340.9	1340.0	1338.2	1337.3	1333.7	1333.7	1330.0	1327.3	1323.7	1322.8
7.5°	1405.1	1401.5	1398.8	1397.0	1396.1	1389.8	1389.8	1384.3	1383.4	1378.9	1377.1
10°	1467.6	1464.9	1461.2	1459.4	1458.5	1454.9	1451.3	1447.7	1445.0	1442.2	1438.6
12.5°	1530.0	1524.6	1522.8	1520.1	1518.2	1515.5	1514.6	1506.5	1506.5	1503.8	1500.1
15°	1590.6	1589.7	1583.4	1582.5	1580.7	1581.6	1576.1	1577.1	1574.3	1569.8	1568.0
17.5°	1664.8	1658.5	1661.2	1656.7	1657.6	1655.8	1654.0	1653.1	1654.9	1654.0	1655.8
20°	1757.1	1755.3	1758.0	1751.7	1758.0	1758.9	1757.1	1761.6	1759.8	1761.6	1756.2
22.5°	1866.6	1860.3	1860.3	1864.8	1867.5	1875.6	1871.1	1874.7	1878.3	1881.1	1877.4
25°	1977.0	1975.2	1978.8	1982.4	1987.8	1995.1	1993.3	1994.2	2001.4	2005.9	2006.8
27.5°	2089.2	2089.2	2100.0	2100.0	2107.3	2115.4	2118.1	2121.7	2127.2	2133.5	2133.5
30°	2205.0	2205.0	2214.9	2224.0	2227.6	2237.6	2243.0	2248.4	2258.4	2260.2	2268.3
32.5°	2337.1	2339.8	2349.7	2355.2	2363.3	2375.1	2376.9	2383.2	2395.0	2398.6	2404.9
35°	2509.0	2499.9	2509.0	2518.9	2523.5	2519.8	2539.8	2547.9	2556.0	2560.6	2568.7
37.5°	2686.3	2670.9	2671.9	2670.0	2659.2	2665.5	2665.5	2663.7	2669.1	2668.2	2671.9
40°	2910.7	2883.6	2875.4	2858.2	2834.7	2822.0	2808.5	2806.7	2793.1	2798.5	2788.6
42.5°	3218.3	3177.6	3155.9	3102.5	3073.6	3039.2	3005.7	2976.8	2961.4	2944.2	2931.5
45°	3640.9	3592.9	3540.5	3454.5	3404.7	3336.0	3291.6	3225.6	3181.2	3144.2	3117.9
47.5°	4171.1	4090.6	4048.0	3967.5	3880.7	3776.6	3681.6	3589.3	3514.2	3432.8	3368.5
50°	4787.3	4686.8	4653.3	4546.6	4497.7	4381.0	4279.7	4165.7	4048.0	3925.0	3807.4
52.5°	5332.8	5321.1	5334.7	5263.2	5261.4	5202.6	5090.4	4957.4	4847.9	4723.9	4569.2
55°	5987.0	6103.7	6129.1	6119.1	6172.5	6170.7	6159.8	6146.3	6059.4	5883.9	5830.5
57.5°	7141.5	7272.7	7466.3	7554.1	7747.7	7770.4	7949.5	7879.8	8012.8	7976.6	8001.1
60°	8316.8	8719.5	9086.8	9366.4	9637.8	9884.9	10187.1	10316.4	10413.3	10564.4	10723.6
62.5°	8842.5	9350.1	9788.0	10186.2	10523.6	10836.7	11096.4	11342.5	11536.1	11709.8	11843.7
65°	8629.9	9218.9	9646.0	10061.3	10376.2	10667.5	10925.4	11109.9	11302.7	11460.1	11602.1
67.5°	7185.0	7969.4	8526.8	8998.2	9393.6	9725.6	9993.4	10247.7	10384.3	10556.2	10633.1
70°	4759.2	5765.3	6553.4	7190.4	7817.4	8193.8	8511.4	8807.2	8962.9	9102.2	9188.2
72.5°	2613.9	3301.6	4143.0	4900.4	5502.9	5997.0	6367.0	6647.5	6807.7	6927.1	6803.1
75°	1481.1	1820.4	2232.1	2651.0	3108.0	3456.3	3554.0	3673.5	3701.5	3640.0	3480.7
77.5°	1361.7	1361.7	1362.6	1352.7	1372.6	1397.0	1382.5	1358.1	1247.7	1223.3	1188.9
80°	1770.7	1578.0	1371.7	1126.5	918.4	774.5	730.2	733.8	769.1	837.8	913.8
82.5°	2509.9	2319.9	2022.2	1648.5	1311.9	1029.7	844.2	759.1	758.2	827.0	925.6
85°	1830.4	1845.8	1779.7	1574.3	1255.9	988.9	798.9	613.4	553.7	553.7	546.5
87.5°	320.3	330.2	285.0	255.2	178.2	125.8	113.1	99.5	98.6	102.2	94.1
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: P146374

CATALOG NUMBER: LDRL-T2-F06-E-7030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8
2.5°	1279.4	1277.6	1275.8	1274.9	1274.9	1273.0	1273.0	1271.2	1272.1	1271.2	1268.5
5°	1321.0	1320.1	1317.4	1312.9	1311.9	1308.3	1309.2	1305.6	1305.6	1303.8	1299.3
7.5°	1373.5	1371.7	1369.9	1366.2	1362.6	1362.6	1356.3	1356.3	1351.8	1349.9	1346.3
10°	1435.9	1430.5	1427.8	1424.1	1423.2	1422.3	1416.0	1416.0	1410.6	1409.7	1407.0
12.5°	1497.4	1493.8	1491.1	1489.3	1484.8	1483.9	1481.1	1478.4	1475.7	1473.9	1473.0
15°	1564.4	1562.6	1559.9	1559.9	1559.9	1555.3	1552.6	1550.8	1550.8	1548.1	1549.9
17.5°	1651.2	1654.0	1650.3	1648.5	1645.8	1650.3	1645.8	1645.8	1648.5	1648.5	1642.2
20°	1758.9	1762.5	1758.9	1759.8	1758.0	1758.9	1759.8	1761.6	1765.2	1758.9	1759.8
22.5°	1878.3	1879.3	1882.0	1879.3	1883.8	1881.1	1886.5	1891.0	1890.1	1888.3	1889.2
25°	2008.6	2005.9	2006.8	2015.0	2021.3	2019.5	2020.4	2027.6	2025.8	2024.0	2024.9
27.5°	2140.7	2138.9	2141.6	2148.9	2156.1	2155.2	2153.4	2158.8	2158.8	2154.3	2156.1
30°	2271.9	2274.6	2279.2	2279.2	2282.8	2286.4	2283.7	2290.0	2290.9	2287.3	2291.8
32.5°	2410.4	2415.8	2414.0	2426.7	2426.7	2427.6	2430.3	2429.4	2438.4	2431.2	2433.9
35°	2576.8	2578.7	2589.5	2598.6	2604.0	2608.5	2608.5	2611.2	2615.8	2612.1	2617.6
37.5°	2678.2	2681.8	2685.4	2690.9	2690.9	2690.9	2695.4	2696.3	2699.0	2698.1	2699.9
40°	2789.5	2790.4	2791.3	2792.2	2795.8	2797.6	2793.1	2799.4	2794.9	2796.7	2799.4
42.5°	2924.3	2911.6	2913.4	2910.7	2917.0	2908.9	2910.7	2918.0	2914.3	2919.8	2919.8
45°	3080.8	3066.3	3053.7	3046.4	3046.4	3035.6	3037.4	3040.1	3044.6	3051.9	3064.5
47.5°	3312.4	3262.7	3238.3	3212.9	3200.2	3186.7	3191.2	3192.1	3193.9	3205.7	3237.3
50°	3691.6	3608.3	3544.1	3467.2	3438.2	3414.7	3401.1	3402.0	3402.0	3426.4	3458.1
52.5°	4424.4	4269.7	4116.8	3982.9	3868.0	3812.8	3748.6	3732.3	3733.2	3754.0	3775.7
55°	5690.2	5477.6	5315.7	5018.0	4927.5	4673.3	4539.3	4462.4	4402.7	4431.7	4463.3
57.5°	7961.3	7764.9	7636.4	7280.9	6956.9	6864.7	6644.8	6466.5	6393.3	6308.2	6313.6
60°	10747.1	10645.8	10613.2	10405.1	10288.4	9925.6	9896.6	9671.3	9458.7	9275.0	9350.1
62.5°	11946.9	11993.9	12031.9	12105.2	12133.3	12098.9	11953.2	11853.7	11679.1	11438.4	11290.9
65°	11643.8	11751.4	11913.4	12066.3	12249.1	12401.1	12476.2	12447.2	12289.8	12041.9	11732.4
67.5°	10688.3	10797.8	10937.1	11130.8	11410.3	11706.2	11912.5	12043.7	11918.8	11695.3	11380.5
70°	9183.6	9290.4	9294.9	9565.5	9866.8	10239.5	10605.1	10742.6	10600.5	10451.3	10188.0
72.5°	6878.2	6814.0	6873.7	6923.5	7095.4	7330.6	7685.3	7669.9	7452.8	7337.0	6932.5
75°	3232.8	3189.4	3126.1	3084.4	3044.6	2961.4	3001.2	2831.1	2772.3	2795.8	2446.6
77.5°	1162.7	1102.9	1007.0	913.8	796.2	659.6	556.4	488.6	455.1	456.0	435.2
80°	975.4	1004.3	990.7	898.5	766.4	623.4	466.9	353.8	302.2	280.5	266.9
82.5°	1057.7	1203.4	1275.8	1218.8	1029.7	792.6	510.3	308.5	226.2	193.6	185.5
85°	586.3	587.2	569.1	543.8	482.3	331.2	220.8	146.6	117.6	105.0	101.3
87.5°	99.5	95.0	95.0	88.7	77.8	76.0	67.9	64.2	57.0	52.5	50.7
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: P146374

CATALOG NUMBER: LDRL-T2-F06-E-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8
2.5°	1265.8	1264.0	1263.1	1262.2	1262.2	1261.3	1261.3	1259.5	1257.7	1256.8	1255.9
5°	1294.8	1292.9	1291.1	1289.3	1289.3	1287.5	1285.7	1283.9	1281.2	1276.7	1275.8
7.5°	1343.6	1340.0	1340.0	1333.7	1333.7	1330.0	1327.3	1327.3	1323.7	1316.5	1315.6
10°	1404.2	1397.9	1395.2	1391.6	1389.8	1386.1	1386.1	1382.5	1380.7	1378.0	1369.0
12.5°	1469.4	1464.9	1463.0	1458.5	1455.8	1455.8	1454.0	1447.7	1452.2	1445.9	1441.3
15°	1548.1	1547.2	1539.1	1541.8	1540.9	1540.0	1540.9	1535.4	1534.5	1534.5	1529.1
17.5°	1646.7	1639.5	1640.4	1640.4	1642.2	1642.2	1635.0	1638.6	1639.5	1637.7	1635.9
20°	1762.5	1759.8	1762.5	1757.1	1762.5	1762.5	1766.2	1765.2	1766.2	1768.0	1768.0
22.5°	1886.5	1893.7	1894.6	1896.4	1890.1	1901.0	1901.0	1902.8	1907.3	1907.3	1909.1
25°	2036.7	2033.1	2028.5	2034.9	2036.7	2043.9	2045.7	2045.7	2053.0	2053.0	2055.7
27.5°	2161.5	2165.2	2164.3	2167.9	2166.1	2176.0	2179.6	2190.5	2187.8	2193.2	2200.5
30°	2290.0	2297.3	2293.6	2294.6	2299.1	2305.4	2312.6	2323.5	2325.3	2339.8	2343.4
32.5°	2438.4	2443.8	2448.4	2450.2	2450.2	2461.0	2472.8	2476.4	2495.4	2506.3	2518.9
35°	2626.6	2627.5	2630.2	2632.9	2631.1	2642.9	2654.7	2658.3	2678.2	2680.9	2707.1
37.5°	2706.2	2708.0	2718.9	2724.3	2727.9	2742.4	2764.1	2780.4	2802.1	2823.0	2852.8
40°	2805.8	2816.6	2826.6	2834.7	2848.3	2868.2	2901.7	2918.0	2950.5	2989.4	3018.4
42.5°	2931.5	2951.4	2958.7	2974.1	3007.5	3032.0	3065.4	3100.7	3144.2	3191.2	3225.6
45°	3080.8	3099.8	3127.0	3144.2	3183.1	3222.0	3275.3	3306.1	3350.4	3404.7	3442.7
47.5°	3261.8	3288.0	3315.2	3350.4	3396.6	3437.3	3490.7	3530.5	3574.8	3619.2	3660.8
50°	3487.1	3526.0	3562.2	3599.3	3660.8	3695.2	3747.6	3789.3	3830.9	3875.2	3913.2
52.5°	3790.2	3849.0	3895.1	3920.5	4003.7	4038.1	4102.3	4131.3	4165.7	4205.5	4254.3
55°	4451.6	4543.0	4620.8	4666.0	4792.7	4837.9	4921.2	4963.7	4940.2	4990.8	5078.6
57.5°	6364.3	6476.5	6569.7	6631.2	6760.6	6823.9	6828.5	6987.7	6893.6	6986.8	7000.4
60°	9150.2	9238.8	9216.2	9217.1	9176.4	9117.6	9230.7	9058.8	9131.2	9135.7	8973.7
62.5°	11018.6	10882.8	10819.5	10714.5	10592.4	10498.3	10434.1	10295.6	10185.2	10097.5	9926.5
65°	11458.3	11223.0	11014.9	10818.6	10638.5	10513.7	10378.0	10229.6	10056.8	9911.1	9744.6
67.5°	11033.0	10703.7	10395.2	10136.4	9890.3	9725.6	9529.3	9388.1	9171.0	8979.2	8852.5
70°	9799.8	9343.8	8983.7	8818.1	8573.8	8220.0	8032.7	7856.3	7723.3	7549.6	7472.7
72.5°	6874.6	6311.8	6034.1	6044.9	5797.0	5543.7	5550.0	5442.3	5270.4	5265.0	5238.7
75°	2526.2	2298.2	2138.0	2145.3	2053.0	1954.4	1981.5	2010.4	1954.4	2068.4	1891.9
77.5°	401.7	390.9	387.3	379.1	359.2	373.7	363.7	382.7	385.4	406.3	408.1
80°	256.1	245.2	242.5	238.0	237.1	237.1	235.2	235.2	235.2	236.2	234.3
82.5°	171.0	164.7	163.8	161.1	165.6	166.5	167.4	174.6	181.0	182.8	190.0
85°	93.2	88.7	88.7	86.9	90.5	91.4	99.5	109.5	122.1	127.6	139.3
87.5°	47.0	49.8	48.9	50.7	53.4	59.7	66.0	72.4	79.6	89.6	97.7
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: P146374

CATALOG NUMBER: LDRL-T2-F06-E-7030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8	1256.8
2.5°	1254.0	1253.1	1253.1	1251.3	1251.3	1250.4	1248.6	1246.8	1238.7	1228.7	1222.4
5°	1273.0	1271.2	1270.3	1268.5	1265.8	1265.8	1263.1	1259.5	1244.1	1227.8	1217.9
7.5°	1311.9	1311.0	1308.3	1304.7	1301.1	1297.5	1295.7	1293.9	1270.3	1254.9	1247.7
10°	1368.0	1367.1	1360.8	1359.9	1354.5	1355.4	1350.9	1347.2	1331.9	1314.7	1304.7
12.5°	1439.5	1443.1	1439.5	1431.4	1433.2	1430.5	1426.0	1421.4	1407.9	1394.3	1378.9
15°	1528.2	1523.7	1520.1	1527.3	1521.0	1520.1	1522.8	1523.7	1507.4	1492.9	1471.2
17.5°	1638.6	1638.6	1636.8	1638.6	1635.0	1637.7	1635.9	1637.7	1630.4	1610.5	1578.9
20°	1764.3	1771.6	1771.6	1768.9	1768.0	1773.4	1776.1	1766.2	1768.0	1750.8	1693.8
22.5°	1910.9	1916.3	1918.2	1915.4	1916.3	1923.6	1928.1	1920.9	1937.2	1909.1	1821.3
25°	2062.0	2070.2	2066.5	2067.5	2074.7	2082.8	2091.0	2083.7	2115.4	2072.0	1957.1
27.5°	2211.3	2218.6	2216.7	2222.2	2233.9	2244.8	2253.8	2251.1	2303.6	2246.6	2100.0
30°	2352.5	2369.7	2373.3	2379.6	2394.1	2412.2	2426.7	2425.7	2493.6	2416.7	2216.7
32.5°	2526.2	2545.2	2552.4	2566.0	2594.0	2606.7	2624.8	2626.6	2694.5	2566.0	2315.4
35°	2727.0	2746.0	2761.4	2771.4	2803.0	2818.4	2836.5	2844.7	2889.9	2705.3	2384.1
37.5°	2882.7	2899.0	2928.8	2949.6	2977.7	3008.4	3029.2	3039.2	3064.5	2824.8	2415.8
40°	3052.8	3088.1	3117.0	3148.7	3179.4	3203.9	3222.9	3238.3	3228.3	2924.3	2402.2
42.5°	3268.1	3305.2	3344.1	3371.3	3387.5	3420.1	3429.2	3440.0	3358.6	2969.5	2340.7
45°	3492.5	3522.4	3554.9	3574.8	3596.5	3612.8	3615.5	3616.5	3455.4	2943.3	2229.4
47.5°	3708.7	3734.1	3756.7	3767.6	3778.4	3779.3	3774.8	3767.6	3507.0	2854.6	2095.5
50°	3945.8	3961.2	3971.1	3972.0	3982.0	3963.0	3950.3	3916.8	3501.5	2718.9	1954.4
52.5°	4286.9	4283.3	4270.6	4269.7	4238.0	4201.9	4178.3	4130.4	3464.4	2572.3	1791.5
55°	5070.5	5036.1	5075.9	4974.5	4890.4	4834.3	4701.3	4604.5	3501.5	2435.7	1604.2
57.5°	6953.3	6835.7	6848.4	6684.6	6505.5	6169.8	5971.6	5703.8	3792.9	2359.7	1368.0
60°	8939.3	8745.7	8563.0	8272.5	7891.6	7465.4	7081.8	6662.9	4082.4	2266.5	1116.5
62.5°	9759.1	9509.4	9191.8	8781.9	8292.4	7764.0	7233.8	6756.1	3923.2	1986.0	804.4
65°	9494.9	9196.3	8857.9	8323.2	7767.6	7153.3	6572.4	6067.5	3267.2	1452.2	485.9
67.5°	8556.6	8299.7	7882.5	7377.7	6690.0	6073.9	5499.3	5032.5	2408.6	897.6	278.7
70°	7204.9	6849.3	6492.8	6007.8	5283.1	4702.2	4167.5	3754.9	1528.2	443.3	205.4
72.5°	4972.7	4691.3	4406.3	3972.0	3431.0	3031.1	2571.4	2232.1	799.8	238.9	189.1
75°	1937.2	1906.4	1873.8	1676.6	1492.9	1196.1	1050.5	947.3	333.0	207.2	186.4
77.5°	425.3	450.6	465.1	440.6	419.8	374.6	358.3	320.3	222.6	212.6	184.6
80°	234.3	234.3	234.3	237.1	232.5	232.5	229.8	225.3	208.1	212.6	181.0
82.5°	191.8	194.5	198.1	199.1	198.1	199.1	197.2	196.3	203.6	213.5	171.9
85°	146.6	155.6	161.1	168.3	175.5	180.1	181.9	182.8	187.3	202.7	150.2
87.5°	104.1	111.3	123.1	124.9	133.0	143.0	146.6	152.0	149.3	153.8	70.6
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: P146374

CATALOG NUMBER: LDRL-T2-F06-E-7030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	1256.8	1256.8	1256.8	1256.8	1256.8
2.5°	1216.9	1209.7	1207.0	1206.1	1204.3
5°	1209.7	1205.2	1201.6	1198.8	1200.7
7.5°	1242.3	1239.6	1233.2	1231.4	1234.1
10°	1300.2	1293.9	1284.8	1285.7	1284.8
12.5°	1372.6	1355.4	1340.9	1334.6	1330.0
15°	1446.8	1413.3	1383.4	1369.9	1364.4
17.5°	1529.1	1472.1	1426.0	1401.5	1397.0
20°	1616.0	1537.2	1477.5	1448.6	1444.0
22.5°	1716.4	1607.8	1531.8	1492.0	1485.7
25°	1814.1	1671.2	1569.8	1521.0	1512.8
27.5°	1902.8	1719.1	1592.4	1534.5	1526.4
30°	1977.0	1757.1	1611.4	1545.4	1536.3
32.5°	2025.8	1777.9	1617.8	1546.3	1535.4
35°	2041.2	1764.3	1590.6	1508.3	1499.2
37.5°	2008.6	1709.2	1518.2	1425.0	1417.8
40°	1934.4	1606.9	1404.2	1307.4	1298.4
42.5°	1818.6	1477.5	1272.1	1169.9	1161.8
45°	1690.2	1339.1	1131.9	1029.7	1021.5
47.5°	1549.9	1192.5	984.4	890.3	877.6
50°	1396.1	1033.3	834.2	741.9	730.2
52.5°	1216.0	859.6	675.0	591.7	584.5
55°	1005.2	684.9	537.4	476.8	469.6
57.5°	781.7	521.2	427.1	397.2	385.4
60°	567.3	396.3	340.2	325.7	319.4
62.5°	385.4	295.9	274.2	269.6	265.1
65°	261.5	231.6	225.3	226.2	223.5
67.5°	206.3	194.5	190.9	192.7	191.8
70°	181.0	171.9	171.0	172.8	171.9
72.5°	171.0	159.2	161.1	163.8	162.9
75°	166.5	153.8	157.4	159.2	154.7
77.5°	162.0	145.7	156.5	160.1	151.1
80°	155.6	138.4	163.8	162.0	144.8
82.5°	142.1	122.1	160.1	146.6	130.3
85°	115.8	91.4	180.1	129.4	95.0
87.5°	74.2	55.2	124.9	98.6	63.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)