

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: P145774

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145774
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33704)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LDRL-SLL-F06-E-7030
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12185 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - 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

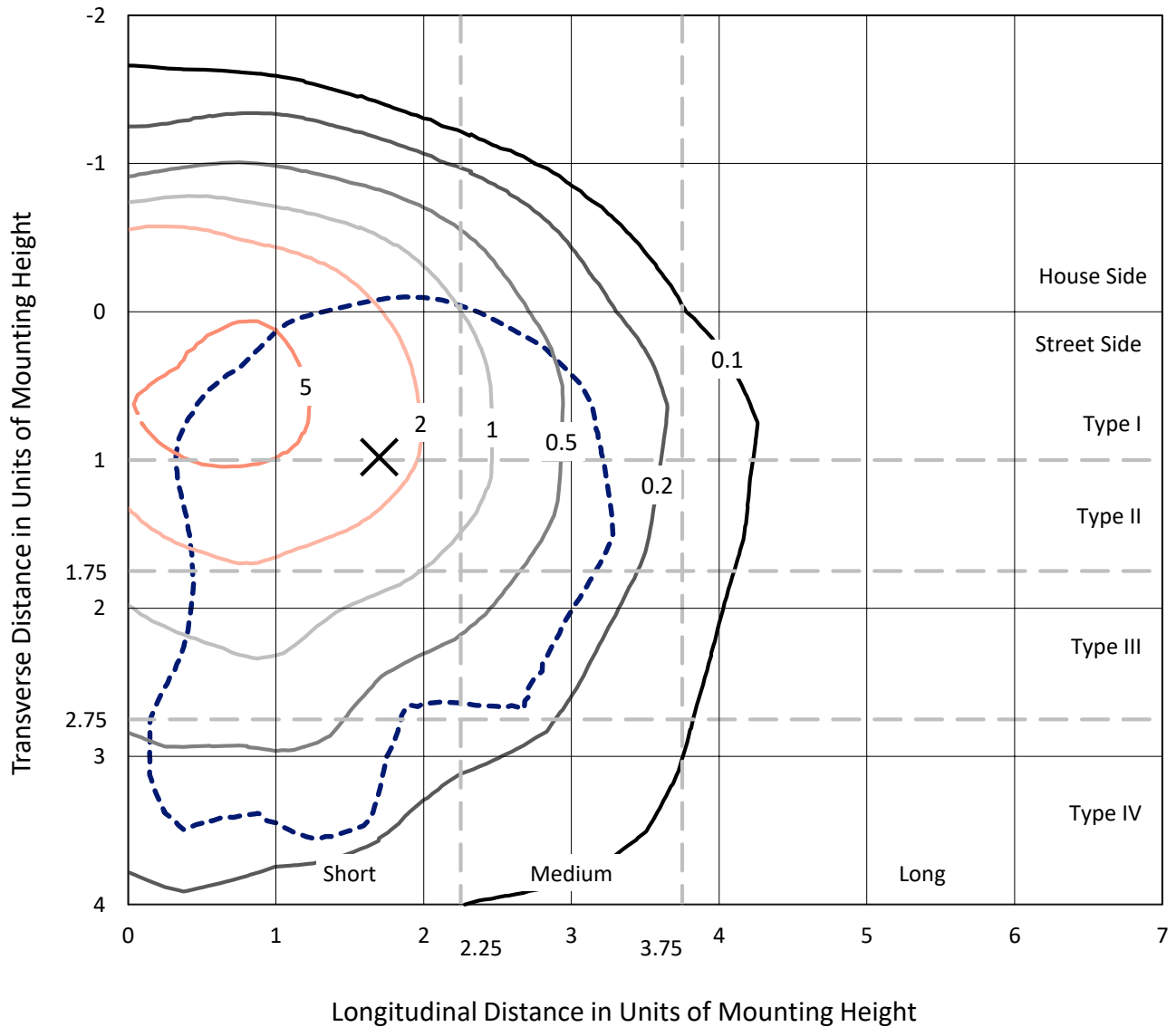


REPORT NUMBER: P145774

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

Iso-Footcandle Lines of Horizontal Illumination

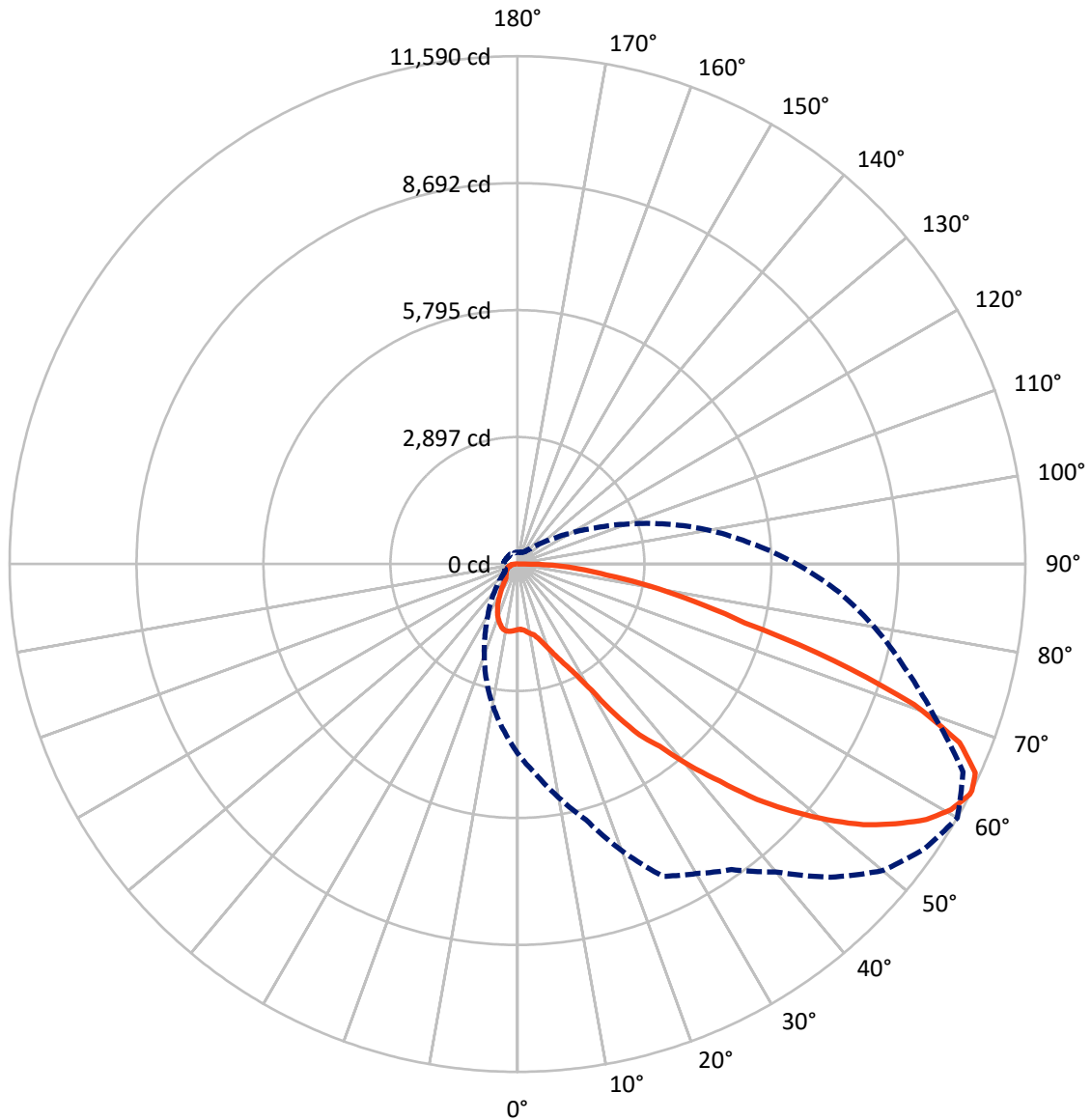
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P145774
CATALOG NUMBER: LDRL-SLL-F06-E-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

REPORT NUMBER: P145774

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2550.7	0.0	2550.7
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	9634.3	0.0	9634.3
	% Fixture	79.1	0.0	79.1
Total	Lumens	12185.0	0.0	12185.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.0	1.2
10°-20°	458.7	3.8
20°-30°	811.2	6.7
30°-40°	1280.7	10.5
40°-50°	1883.2	15.5
50°-60°	2480.7	20.4
60°-70°	2765.0	22.7
70°-80°	1816.7	14.9
80°-90°	541.8	4.4
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°	12185.0	100.0
0°-180°	12185.0	100.0

Coefficient of Utilization



REPORT NUMBER: P145774

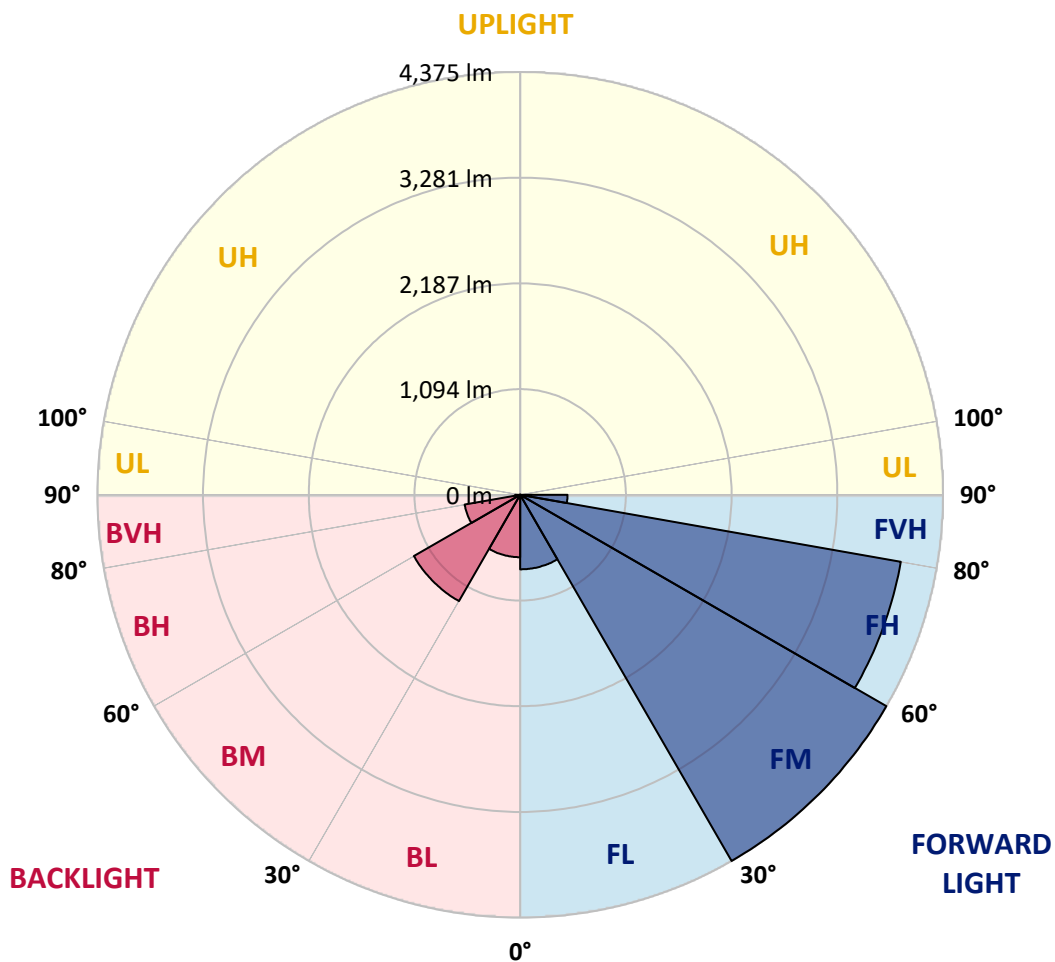
CATALOG NUMBER: LDRL-SLL-F06-E-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	771.2	6.3			
FM	(30°-60°)	4374.7	35.9			
FH	(60°-80°)	3998.8	32.8			G2/5000
FVH	(80°-90°)	489.6	4.0			G3/500
BL	(0°-30°)	645.7	5.3	B2/1000		
BM	(30°-60°)	1269.9	10.4	B2/2500		
BH	(60°-80°)	582.9	4.8	B2/1000		G2/1000
BVH	(80°-90°)	52.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





REPORT NUMBER: P145774

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5
2.5°	1494.7	1495.6	1492.9	1492.0	1490.2	1491.1	1491.1	1489.3	1489.3	1490.2	1487.5
5°	1487.5	1489.3	1488.4	1490.2	1492.0	1494.7	1497.4	1500.1	1502.9	1506.5	1507.4
7.5°	1479.3	1484.8	1485.7	1491.1	1497.4	1504.7	1513.7	1523.7	1537.2	1540.9	1549.0
10°	1483.9	1493.8	1499.2	1510.1	1520.1	1533.6	1549.9	1559.9	1577.1	1583.4	1595.1
12.5°	1519.1	1526.4	1533.6	1546.3	1560.8	1578.0	1596.1	1611.4	1629.5	1635.9	1640.4
15°	1586.1	1593.3	1601.5	1614.1	1629.5	1650.3	1676.6	1695.6	1717.3	1733.6	1745.3
17.5°	1679.3	1679.3	1698.3	1701.9	1731.8	1763.4	1796.0	1833.1	1855.7	1869.3	1891.0
20°	1813.2	1813.2	1838.5	1850.3	1875.6	1916.3	1960.7	2001.4	2034.0	2061.1	2081.0
22.5°	2044.8	2034.9	2056.6	2053.9	2084.6	2145.3	2188.7	2211.3	2254.7	2271.0	2297.3
25°	2313.6	2348.8	2372.4	2372.4	2385.0	2447.5	2483.7	2500.8	2540.7	2528.9	2556.0
27.5°	2642.9	2737.9	2825.7	2861.9	2844.7	2913.4	2926.1	2942.4	2937.9	2909.8	2901.7
30°	2966.8	3134.2	3270.8	3354.1	3450.0	3583.0	3583.0	3604.7	3557.6	3479.8	3433.7
32.5°	3191.2	3406.5	3615.5	3788.4	3951.2	4154.8	4240.8	4360.2	4380.1	4410.0	4306.8
35°	3375.8	3678.0	3902.4	4162.0	4361.1	4567.4	4796.3	5003.5	5141.0	5118.4	5077.7
37.5°	3502.5	3890.6	4203.7	4508.6	4811.7	5047.8	5265.0	5535.5	5798.8	5851.3	5740.9
40°	3591.1	4040.8	4471.5	4846.1	5227.0	5581.7	5845.9	6136.3	6548.9	6723.5	6633.0
42.5°	3633.6	4158.4	4638.9	5115.7	5597.9	6045.8	6377.0	6775.1	7264.6	7563.2	7463.6
45°	3651.7	4230.8	4774.6	5317.5	5896.5	6449.4	6876.4	7327.9	7878.9	8358.5	8376.6
47.5°	3647.2	4269.7	4867.8	5461.3	6130.9	6774.2	7346.9	7859.0	8483.3	8987.3	9174.6
50°	3634.6	4283.3	4923.9	5548.2	6278.4	7012.1	7657.3	8266.2	8963.8	9601.7	9886.7
52.5°	3633.6	4286.0	4951.9	5596.1	6365.2	7157.8	7851.8	8571.1	9335.6	10002.5	10446.7
55°	3655.4	4302.3	4982.7	5629.6	6412.3	7240.1	7961.3	8762.0	9497.6	10254.9	10828.6
57.5°	3743.1	4378.3	5056.0	5686.6	6464.7	7305.3	8046.3	8817.2	9545.6	10359.9	11050.2
60°	3935.8	4520.3	5183.6	5791.6	6601.4	7476.3	8126.8	8739.4	9455.1	10330.0	11081.9
62.5°	4236.2	4748.3	5361.8	5985.2	6879.1	7801.1	8160.3	8561.1	9231.6	10158.1	10945.3
63°	4313.1	4809.0	5408.8	6038.6	6959.7	7862.6	8157.6	8514.1	9170.1	10107.4	10883.7
65°	4634.3	5089.5	5627.8	6293.7	7326.1	8058.1	8059.0	8237.2	8856.1	9827.9	10631.3
67.5°	5117.5	5551.8	5968.0	6630.3	7731.4	8155.8	7766.7	7631.9	8179.3	9236.1	9990.7
70°	5439.6	5976.2	6209.6	6719.0	7786.6	8037.3	7304.4	6854.7	7308.9	8192.0	8862.4
72.5°	5447.8	6059.4	6127.3	6340.8	7270.0	7470.9	6508.2	5899.2	6172.5	6913.5	7266.4
75°	4866.0	5635.0	5495.7	5417.0	5920.1	6006.0	5264.1	5010.7	5360.9	5798.8	5622.4
77.5°	3617.4	4639.8	4356.6	4021.8	4204.6	4217.2	4240.8	4718.5	5148.3	5327.4	5070.5
80°	2244.8	3408.4	3191.2	2639.3	2709.9	2918.0	3542.3	4386.4	4856.9	4985.4	4471.5
82.5°	1353.6	2507.2	2391.4	2014.1	2102.7	2621.2	3311.5	3545.0	3703.3	3691.6	3160.4
85°	991.7	1702.8	1860.3	1888.3	2203.2	2545.2	2530.7	2357.9	2261.1	1989.6	1698.3
87.5°	312.2	878.6	1042.3	1215.1	1330.9	1259.5	1238.7	1070.4	766.4	647.8	712.1
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: P145774

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5
2.5°	1487.5	1491.1	1492.9	1492.0	1492.9	1492.9	1498.3	1496.5	1498.3	1497.4	1502.9
5°	1510.1	1515.5	1520.1	1520.1	1521.0	1522.8	1530.0	1530.0	1533.6	1540.9	1544.5
7.5°	1554.4	1561.7	1562.6	1564.4	1569.8	1567.1	1571.6	1573.4	1576.1	1579.8	1584.3
10°	1600.6	1610.5	1610.5	1609.6	1610.5	1603.3	1606.0	1600.6	1601.5	1606.9	1612.3
12.5°	1652.2	1657.6	1654.0	1651.2	1651.2	1637.7	1635.9	1628.6	1625.0	1625.9	1627.7
15°	1755.3	1750.8	1749.9	1745.3	1729.1	1719.1	1711.9	1689.2	1677.5	1671.2	1660.3
17.5°	1892.8	1895.5	1891.0	1886.5	1863.0	1829.5	1815.0	1790.6	1774.3	1758.0	1738.1
20°	2093.7	2075.6	2073.8	2059.3	2026.7	1979.7	1944.4	1904.6	1882.0	1858.4	1837.6
22.5°	2315.4	2296.4	2283.7	2255.6	2207.7	2148.0	2089.2	2038.5	2004.1	1986.9	1972.4
25°	2561.5	2550.6	2529.8	2458.3	2420.3	2351.6	2287.3	2237.6	2198.6	2184.2	2158.8
27.5°	2856.4	2864.6	2825.7	2758.7	2710.8	2613.9	2558.8	2472.8	2440.2	2387.7	2355.2
30°	3393.9	3341.4	3275.3	3173.1	3076.3	2946.0	2854.6	2765.0	2717.1	2646.5	2559.7
32.5°	4272.4	4072.5	3895.1	3678.0	3472.6	3306.1	3174.0	3060.9	2987.6	2870.9	2723.4
35°	4980.9	4788.2	4495.0	4179.2	3909.6	3696.1	3529.6	3422.8	3276.3	3089.9	2876.3
37.5°	5500.2	5278.6	5004.4	4762.8	4468.8	4230.8	4005.5	3783.8	3577.5	3295.3	3022.9
40°	6343.5	6043.1	5591.6	5306.6	5065.9	4743.8	4533.0	4234.4	3920.5	3556.7	3162.2
42.5°	7177.7	6779.6	6370.6	6043.1	5701.1	5351.8	5062.3	4661.5	4244.4	3773.0	3287.1
45°	8146.7	7659.1	7124.3	6666.5	6315.4	5904.7	5533.7	5041.5	4509.5	3950.3	3395.7
47.5°	8910.4	8427.2	7823.7	7362.3	6889.1	6425.8	5944.5	5337.4	4706.7	4095.1	3497.0
50°	9642.4	9176.4	8534.9	7968.5	7424.7	6865.6	6283.8	5547.3	4861.4	4208.2	3577.5
52.5°	10299.2	9884.9	9191.8	8515.0	7907.0	7262.8	6541.6	5743.6	5009.8	4324.9	3640.9
55°	10855.7	10467.5	9845.9	9003.6	8313.2	7600.3	6785.0	5922.8	5166.4	4447.1	3687.0
57.5°	11229.4	11005.0	10340.9	9433.4	8647.1	7888.0	6968.7	6102.8	5312.9	4523.1	3706.9
60°	11403.1	11373.2	10811.4	9821.5	8943.9	8112.4	7200.3	6293.7	5409.8	4557.4	3678.9
62.5°	11366.9	11580.4	11169.7	10087.5	9133.0	8252.6	7348.7	6376.1	5385.3	4474.2	3554.9
63°	11333.4	11589.5	11220.3	10113.8	9148.4	8266.2	7363.2	6366.1	5362.7	4437.1	3512.4
65°	11088.2	11482.7	11233.0	10066.7	9077.8	8227.3	7298.1	6209.6	5137.4	4203.7	3271.7
67.5°	10487.4	10882.8	10744.4	9548.3	8620.9	7809.3	6842.9	5676.7	4585.5	3707.8	2825.7
70°	9247.0	9600.7	9435.2	8382.9	7521.5	6946.1	6027.7	4721.2	3735.9	2980.4	2150.7
72.5°	7314.3	7563.2	7599.3	6763.3	6103.7	5758.1	4856.0	3561.3	2728.9	2075.6	1396.1
75°	5416.1	5358.2	5369.9	4903.1	4634.3	4488.7	3630.0	2442.9	1838.5	1268.5	827.9
77.5°	4552.0	4135.8	3781.1	3651.7	3338.7	3248.2	2394.1	1499.2	1073.1	759.1	471.4
80°	3701.5	3070.9	2555.1	2326.2	2204.1	2222.2	1324.6	798.9	561.9	413.5	295.0
82.5°	2530.7	2051.2	1617.8	1405.1	1383.4	1404.2	688.5	391.8	296.8	238.0	185.5
85°	1496.5	1408.8	1257.7	1116.5	1067.7	1007.9	512.1	280.5	152.9	126.7	104.1
87.5°	646.9	794.4	813.4	809.8	753.7	605.3	188.2	72.4	64.2	32.6	26.2
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: P145774

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5
2.5°	1502.9	1503.8	1502.0	1503.8	1510.1	1510.1	1509.2	1511.0	1511.9	1517.3	1515.5
5°	1548.1	1549.0	1549.9	1556.2	1560.8	1566.2	1564.4	1566.2	1569.8	1570.7	1572.5
7.5°	1589.7	1595.1	1602.4	1605.1	1613.2	1615.1	1623.2	1624.1	1625.9	1622.3	1618.7
10°	1618.7	1624.1	1633.1	1637.7	1652.2	1654.0	1660.3	1662.1	1665.7	1663.0	1660.3
12.5°	1633.1	1637.7	1647.6	1656.7	1676.6	1682.9	1693.8	1700.1	1704.6	1701.9	1692.9
15°	1663.0	1662.1	1667.5	1674.8	1692.9	1704.6	1720.0	1728.2	1733.6	1729.1	1717.3
17.5°	1731.8	1719.1	1719.1	1714.6	1728.2	1730.9	1737.2	1741.7	1739.9	1726.3	1707.3
20°	1826.8	1807.8	1796.0	1785.2	1780.6	1758.0	1746.2	1730.0	1715.5	1691.1	1669.3
22.5°	1949.8	1936.3	1909.1	1884.7	1850.3	1804.2	1754.4	1711.9	1680.2	1646.7	1609.6
25°	2136.2	2105.5	2066.5	2008.6	1964.3	1882.9	1799.6	1719.1	1651.2	1598.8	1536.3
27.5°	2311.7	2246.6	2173.3	2082.8	2001.4	1892.8	1787.0	1693.8	1605.1	1521.0	1449.5
30°	2458.3	2345.2	2225.8	2099.1	1983.3	1852.1	1729.1	1623.2	1522.8	1423.2	1355.4
32.5°	2568.7	2405.8	2246.6	2084.6	1941.7	1787.9	1646.7	1533.6	1419.6	1314.7	1235.9
35°	2668.2	2448.4	2240.3	2045.7	1876.5	1706.4	1554.4	1427.8	1302.9	1190.7	1100.2
37.5°	2739.7	2462.8	2213.1	1989.6	1793.3	1606.9	1442.2	1307.4	1173.5	1059.5	960.0
40°	2794.9	2455.6	2161.5	1903.7	1679.3	1485.7	1324.6	1183.5	1049.6	935.6	831.5
42.5°	2832.0	2428.5	2083.7	1806.0	1584.3	1381.6	1224.2	1075.8	941.9	822.5	707.5
45°	2880.0	2417.6	2035.8	1732.7	1498.3	1293.9	1125.6	980.8	841.5	716.6	607.1
47.5°	2925.2	2411.3	1996.9	1672.1	1420.5	1214.2	1047.7	895.7	755.5	633.4	533.8
50°	2952.3	2401.3	1956.2	1598.8	1333.7	1132.8	973.6	819.7	678.6	561.9	473.2
52.5°	2960.5	2381.4	1902.8	1515.5	1258.6	1063.1	897.6	743.7	608.0	503.1	420.7
55°	2954.1	2342.5	1830.4	1447.7	1181.7	986.2	820.6	671.4	548.3	449.7	383.6
57.5°	2923.4	2264.7	1737.2	1361.7	1093.9	889.4	726.5	589.9	480.4	401.7	351.1
60°	2854.6	2152.5	1623.2	1241.4	968.1	774.5	620.7	503.1	410.8	353.8	320.3
62.5°	2704.4	1990.5	1457.6	1071.3	799.8	621.6	487.7	400.8	338.4	308.5	288.6
63°	2660.1	1934.4	1408.8	1026.0	770.9	587.2	457.8	379.1	323.0	298.6	282.3
65°	2426.7	1675.7	1190.7	825.2	597.2	445.2	349.2	297.7	267.8	258.8	254.2
67.5°	1988.7	1303.8	837.8	553.7	400.8	307.6	257.9	238.0	227.1	226.2	228.9
70°	1405.1	865.0	518.4	354.7	276.0	232.5	213.5	204.5	199.1	200.9	206.3
72.5°	913.8	507.6	327.5	259.7	224.4	204.5	190.9	188.2	186.4	184.6	186.4
75°	483.2	317.6	247.9	217.2	196.3	180.1	171.0	167.4	168.3	168.3	168.3
77.5°	299.5	241.6	211.7	191.8	175.5	159.2	150.2	147.5	148.4	150.2	151.1
80°	229.8	210.8	186.4	171.9	148.4	134.8	130.3	129.4	131.2	131.2	133.9
82.5°	168.3	162.9	153.8	135.7	117.6	108.6	107.7	111.3	107.7	106.8	108.6
85°	98.6	92.3	100.4	86.0	78.7	73.3	76.9	84.1	87.8	83.2	81.4
87.5°	31.7	21.7	31.7	35.3	31.7	27.1	34.4	40.7	41.6	39.8	45.2
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: P145774

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5
2.5°	1514.6	1521.0	1514.6	1517.3	1516.4	1514.6	1517.3	1513.7	1511.9	1517.3	1516.4
5°	1571.6	1572.5	1564.4	1565.3	1564.4	1557.1	1557.1	1553.5	1549.0	1549.9	1548.1
7.5°	1617.8	1616.0	1609.6	1606.9	1598.8	1593.3	1589.7	1584.3	1580.7	1577.1	1575.2
10°	1653.1	1648.5	1644.0	1635.9	1627.7	1623.2	1613.2	1605.1	1602.4	1597.0	1593.3
12.5°	1683.8	1675.7	1668.4	1658.5	1648.5	1641.3	1629.5	1623.2	1618.7	1611.4	1606.0
15°	1701.0	1685.6	1672.1	1656.7	1645.8	1635.0	1621.4	1618.7	1612.3	1605.1	1595.1
17.5°	1680.2	1658.5	1633.1	1616.9	1600.6	1584.3	1570.7	1570.7	1568.0	1559.9	1542.7
20°	1637.7	1605.1	1575.2	1549.0	1532.7	1509.2	1501.1	1488.4	1479.3	1464.9	1443.1
22.5°	1568.0	1533.6	1494.7	1468.5	1440.4	1414.2	1397.9	1378.0	1370.8	1347.2	1318.3
25°	1490.2	1440.4	1398.8	1364.4	1325.5	1294.8	1272.1	1245.0	1226.9	1204.3	1168.1
27.5°	1397.9	1346.3	1299.3	1261.3	1220.6	1178.0	1136.4	1104.8	1072.2	1045.9	1025.1
30°	1298.4	1245.0	1187.1	1142.8	1095.7	1042.3	1007.9	965.4	940.1	911.1	884.0
32.5°	1168.1	1121.0	1053.2	1001.6	943.7	902.1	874.0	833.3	803.5	779.0	763.6
35°	1025.1	954.6	886.7	847.8	808.0	774.5	735.6	703.9	684.0	658.7	645.1
37.5°	869.5	787.2	729.3	694.9	654.2	637.9	613.4	594.4	576.4	559.2	548.3
40°	730.2	654.2	601.7	572.7	545.6	527.5	512.1	504.0	492.2	478.6	470.5
42.5°	614.4	553.7	502.2	475.0	454.2	452.4	442.4	436.1	431.6	423.4	410.8
45°	523.9	468.7	424.3	402.6	393.6	394.5	394.5	389.1	389.1	386.3	378.2
47.5°	463.3	413.5	380.9	366.4	362.8	363.7	361.0	359.2	360.1	359.2	354.7
50°	416.2	373.7	346.5	341.1	340.2	339.3	335.7	333.0	332.1	333.9	333.0
52.5°	368.3	333.0	317.6	315.8	316.7	316.7	315.8	314.9	316.7	318.5	315.8
55°	341.1	315.8	305.8	305.8	305.8	305.8	304.9	304.0	306.7	309.4	304.9
57.5°	315.8	297.7	294.1	294.1	294.1	292.2	292.2	293.2	296.8	302.2	296.8
60°	296.8	287.7	287.7	288.6	287.7	284.1	281.4	281.4	285.9	293.2	288.6
62.5°	278.7	274.2	276.0	275.1	273.2	268.7	265.1	265.1	270.5	277.8	279.6
63°	274.2	270.5	272.3	271.4	269.6	266.0	262.4	262.4	266.9	274.2	276.9
65°	254.2	255.2	256.1	257.0	256.1	255.2	250.6	248.8	252.4	257.9	261.5
67.5°	230.7	232.5	234.3	238.9	237.1	237.1	234.3	232.5	233.4	236.2	238.9
70°	209.0	210.8	213.5	215.3	216.2	217.2	215.3	212.6	213.5	214.4	216.2
72.5°	188.2	190.0	191.8	195.4	195.4	195.4	193.6	191.8	192.7	194.5	196.3
75°	169.2	170.1	171.9	174.6	175.5	173.7	173.7	171.9	172.8	175.5	177.3
77.5°	150.2	148.4	149.3	151.1	153.8	153.8	154.7	153.8	155.6	157.4	159.2
80°	128.5	126.7	124.9	125.8	129.4	133.9	138.4	138.4	141.1	142.1	144.8
82.5°	102.2	100.4	99.5	102.2	101.3	107.7	117.6	123.1	126.7	130.3	132.1
85°	79.6	75.1	76.9	76.9	75.1	85.1	94.1	101.3	102.2	107.7	108.6
87.5°	47.0	45.2	43.4	41.6	48.0	57.9	66.0	68.8	70.6	73.3	76.0
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: P145774

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5
2.5°	1509.2	1516.4	1514.6	1513.7	1514.6	1513.7	1511.0	1511.9	1510.1	1511.0	1509.2
5°	1538.1	1541.8	1539.1	1534.5	1534.5	1528.2	1523.7	1520.1	1515.5	1513.7	1510.1
7.5°	1566.2	1563.5	1559.9	1551.7	1547.2	1539.1	1532.7	1525.5	1521.0	1515.5	1509.2
10°	1583.4	1578.0	1570.7	1560.8	1548.1	1540.9	1531.8	1521.0	1515.5	1512.8	1506.5
12.5°	1591.5	1577.1	1565.3	1547.2	1529.1	1515.5	1505.6	1494.7	1492.0	1488.4	1483.9
15°	1572.5	1551.7	1521.9	1497.4	1473.9	1454.9	1446.8	1435.0	1432.3	1431.4	1430.5
17.5°	1508.3	1476.6	1447.7	1415.1	1394.3	1377.1	1369.9	1367.1	1362.6	1360.8	1361.7
20°	1405.1	1378.0	1349.0	1338.2	1313.8	1309.2	1298.4	1291.1	1283.0	1280.3	1275.8
22.5°	1284.8	1251.3	1233.2	1225.1	1215.1	1191.6	1186.2	1178.9	1168.1	1159.9	1158.1
25°	1144.6	1117.4	1116.5	1097.5	1089.4	1076.7	1062.2	1053.2	1046.8	1036.9	1029.7
27.5°	1001.6	991.7	974.5	960.0	954.6	947.3	925.6	921.1	913.8	905.7	897.6
30°	868.6	861.4	845.1	831.5	823.4	808.9	788.1	789.9	775.4	764.5	757.3
32.5°	739.2	733.8	718.4	714.8	688.5	681.3	659.6	643.3	628.8	618.0	608.9
35°	622.5	608.0	608.9	592.6	578.2	556.4	533.8	513.0	501.3	495.8	487.7
37.5°	538.4	524.8	511.2	493.1	476.8	461.4	447.9	441.5	434.3	436.1	437.0
40°	462.3	452.4	442.4	429.8	419.8	413.5	409.9	409.9	410.8	415.3	418.9
42.5°	408.1	399.9	394.5	390.0	391.8	391.8	394.5	399.0	403.5	409.9	413.5
45°	371.9	367.3	365.5	367.3	372.8	377.3	383.6	390.9	398.1	404.4	407.2
47.5°	350.2	347.4	347.4	352.0	360.1	367.3	377.3	384.5	392.7	398.1	399.9
50°	326.6	325.7	325.7	329.3	336.6	345.6	355.6	362.8	370.1	374.6	376.4
52.5°	313.1	310.3	309.4	314.0	320.3	329.3	339.3	346.5	352.0	355.6	356.5
55°	301.3	298.6	296.8	302.2	309.4	317.6	329.3	337.5	342.9	347.4	351.1
57.5°	291.3	288.6	286.8	293.2	300.4	310.3	320.3	329.3	336.6	342.0	345.6
60°	283.2	279.6	277.8	285.0	292.2	302.2	312.2	322.1	332.1	338.4	340.2
62.5°	273.2	270.5	267.8	272.3	276.0	283.2	292.2	302.2	311.2	317.6	317.6
63°	270.5	269.6	266.0	269.6	273.2	279.6	288.6	297.7	306.7	314.0	313.1
65°	258.8	258.8	257.0	260.6	264.2	270.5	277.8	287.7	295.9	301.3	302.2
67.5°	239.8	240.7	242.5	246.1	253.3	259.7	267.8	276.9	284.1	287.7	289.5
70°	218.1	219.9	223.5	228.9	235.2	240.7	246.1	255.2	261.5	265.1	266.9
72.5°	197.2	201.8	204.5	209.0	212.6	218.1	222.6	231.6	237.1	239.8	244.3
75°	178.2	181.9	183.7	186.4	190.0	191.8	197.2	200.9	208.1	211.7	217.2
77.5°	160.1	162.0	164.7	169.2	170.1	172.8	174.6	180.1	183.7	187.3	191.8
80°	143.9	145.7	149.3	152.0	152.9	154.7	155.6	154.7	153.8	151.1	154.7
82.5°	129.4	131.2	135.7	138.4	141.1	141.1	140.2	130.3	125.8	127.6	130.3
85°	106.8	108.6	113.1	118.5	119.4	118.5	119.4	109.5	103.1	100.4	103.1
87.5°	67.0	65.1	80.5	87.8	82.3	84.1	85.1	79.6	74.2	63.3	66.0
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: P145774
 CATALOG NUMBER: LDRL-SLL-F06-E-7030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	0°
2.5°	1511.0	1504.7	1505.6	1507.4	1507.4	1510.1	1506.5	1502.0	1504.7	1500.1	1499.2	2.5°
5°	1510.1	1502.0	1502.0	1503.8	1502.0	1503.8	1501.1	1496.5	1499.2	1493.8	1492.9	5°
7.5°	1506.5	1502.0	1503.8	1505.6	1502.9	1503.8	1502.9	1496.5	1497.4	1494.7	1488.4	7.5°
10°	1504.7	1502.0	1505.6	1511.0	1511.0	1511.9	1509.2	1502.0	1497.4	1494.7	1489.3	10°
12.5°	1485.7	1489.3	1496.5	1509.2	1513.7	1521.0	1524.6	1521.0	1522.8	1519.1	1517.3	12.5°
15°	1431.4	1440.4	1452.2	1471.2	1484.8	1501.1	1521.0	1530.0	1547.2	1560.8	1569.8	15°
17.5°	1366.2	1372.6	1385.2	1407.0	1424.1	1456.7	1483.9	1514.6	1548.1	1584.3	1616.0	17.5°
20°	1285.7	1281.2	1301.1	1324.6	1354.5	1390.7	1430.5	1476.6	1531.8	1589.7	1644.9	20°
22.5°	1167.2	1167.2	1188.0	1216.0	1252.2	1293.9	1349.0	1398.8	1471.2	1555.3	1636.8	22.5°
25°	1031.5	1034.2	1048.7	1080.3	1105.7	1165.4	1216.9	1281.2	1368.0	1460.3	1568.9	25°
27.5°	886.7	904.8	901.2	934.7	968.1	1026.9	1097.5	1162.7	1259.5	1358.1	1482.0	27.5°
30°	755.5	752.8	751.9	791.7	825.2	878.6	936.5	1018.8	1116.5	1243.2	1386.1	30°
32.5°	592.6	602.6	609.8	633.4	669.5	719.3	781.7	867.7	985.3	1112.9	1273.9	32.5°
35°	489.5	492.2	502.2	515.7	547.4	589.0	654.2	730.2	833.3	965.4	1136.4	35°
37.5°	438.8	441.5	452.4	465.1	487.7	518.4	562.8	621.6	716.6	839.6	998.9	37.5°
40°	422.5	425.3	431.6	443.3	464.2	490.4	525.7	570.9	639.7	735.6	874.9	40°
42.5°	415.3	415.3	416.2	425.3	446.1	476.8	514.8	555.5	606.2	678.6	791.7	42.5°
45°	407.2	407.2	406.3	412.6	428.9	464.2	510.3	560.1	615.3	677.7	766.4	45°
47.5°	399.9	398.1	396.3	399.0	412.6	448.8	502.2	562.8	633.4	711.2	800.7	47.5°
50°	374.6	374.6	373.7	374.6	387.3	425.3	486.8	560.1	649.6	750.1	858.6	50°
52.5°	356.5	357.4	358.3	358.3	368.3	407.2	475.0	561.0	667.7	788.1	925.6	52.5°
55°	352.0	353.8	353.8	352.0	360.1	395.4	464.2	558.3	680.4	830.6	997.1	55°
57.5°	346.5	347.4	348.3	346.5	352.0	382.7	448.8	545.6	676.8	846.9	1050.5	57.5°
60°	339.3	335.7	334.8	332.1	335.7	360.1	421.6	518.4	655.1	839.6	1068.6	60°
62.5°	319.4	316.7	314.0	311.2	314.0	332.1	391.8	485.0	618.9	810.7	1054.1	62.5°
63°	314.9	313.1	310.3	307.6	307.6	327.5	381.8	476.8	609.8	802.6	1048.7	63°
65°	302.2	301.3	299.5	296.8	295.9	311.2	359.2	439.7	567.3	766.4	1014.3	65°
67.5°	287.7	287.7	286.8	283.2	278.7	287.7	321.2	384.5	493.1	673.2	929.2	67.5°
70°	266.9	266.9	266.0	264.2	258.8	265.1	286.8	328.4	406.3	550.1	779.0	70°
72.5°	246.1	246.1	248.8	247.9	248.8	249.7	260.6	283.2	330.2	428.0	589.0	72.5°
75°	219.0	223.5	224.4	226.2	227.1	226.2	231.6	245.2	272.3	328.4	429.8	75°
77.5°	196.3	202.7	201.8	200.0	199.1	200.0	199.1	205.4	225.3	260.6	318.5	77.5°
80°	162.0	168.3	168.3	167.4	165.6	167.4	165.6	171.9	188.2	219.0	253.3	80°
82.5°	133.0	137.5	140.2	142.1	140.2	147.5	147.5	145.7	158.3	185.5	213.5	82.5°
85°	106.8	111.3	114.0	117.6	119.4	117.6	116.7	114.9	122.1	143.9	162.9	85°
87.5°	67.9	71.5	71.5	72.4	72.4	75.1	69.7	63.3	57.9	82.3	86.0	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



NUMBER: P145774

NUMBER: LDRL-SLL-F06-E-7030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5
1496.5	1496.5	1497.4	1494.7	1497.4	1497.4	1494.7
1490.2	1488.4	1488.4	1487.5	1489.3	1488.4	1487.5
1484.8	1484.8	1481.1	1478.4	1477.5	1481.1	1479.3
1483.0	1481.1	1480.2	1478.4	1479.3	1482.0	1483.9
1515.5	1509.2	1511.0	1510.1	1511.0	1513.7	1519.1
1575.2	1575.2	1579.8	1569.8	1574.3	1578.9	1586.1
1642.2	1658.5	1666.6	1665.7	1667.5	1671.2	1679.3
1699.2	1750.8	1787.0	1796.0	1820.4	1825.9	1813.2
1724.5	1816.8	1898.3	1952.5	2013.2	2037.6	2044.8
1673.0	1806.0	1939.9	2064.7	2184.2	2252.9	2313.6
1619.6	1777.0	1955.3	2141.6	2336.2	2511.7	2642.9
1545.4	1753.5	1994.2	2245.7	2503.6	2747.9	2966.8
1464.0	1715.5	1997.8	2303.6	2622.1	2926.1	3191.2
1347.2	1626.8	1939.9	2294.6	2663.7	3044.6	3375.8
1213.3	1485.7	1836.7	2242.1	2661.0	3105.2	3502.5
1070.4	1349.0	1718.2	2152.5	2625.7	3124.2	3591.1
962.7	1238.7	1600.6	2067.5	2573.2	3111.6	3633.6
907.5	1143.7	1504.7	1984.2	2514.4	3080.8	3651.7
918.4	1118.3	1447.7	1915.4	2461.9	3047.3	3647.2
979.0	1156.3	1446.8	1890.1	2428.5	3016.6	3634.6
1070.4	1242.3	1499.2	1920.0	2446.6	3013.9	3633.6
1173.5	1362.6	1625.9	2000.5	2523.5	3062.7	3655.4
1273.0	1509.2	1788.8	2180.5	2669.1	3184.9	3743.1
1331.9	1643.1	1997.8	2434.8	2893.5	3399.3	3935.8
1345.4	1723.6	2183.3	2684.5	3201.2	3709.6	4236.2
1344.5	1731.8	2214.9	2736.1	3263.6	3781.1	4313.1
1323.7	1748.1	2300.0	2906.2	3514.2	4087.9	4634.3
1258.6	1719.1	2347.0	3064.5	3763.0	4426.2	5117.5
1109.3	1587.0	2291.8	3116.1	3911.4	4650.6	5439.6
868.6	1309.2	1978.8	2848.3	3710.6	4449.8	5447.8
610.7	925.6	1522.8	2338.9	3032.9	3760.3	4866.0
425.3	599.9	988.9	1573.4	2188.7	2743.3	3617.4
311.2	399.0	592.6	941.0	1328.2	1714.6	2244.8
239.8	287.7	379.1	568.2	750.1	960.0	1353.6
168.3	190.0	234.3	351.1	503.1	686.7	991.7
73.3	86.0	113.1	207.2	340.2	327.5	312.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)