

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: P145769

Luminaire Tested: **LDRL-SLL-E06-E-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145769
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-E06-E-7030
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14760.3 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G4

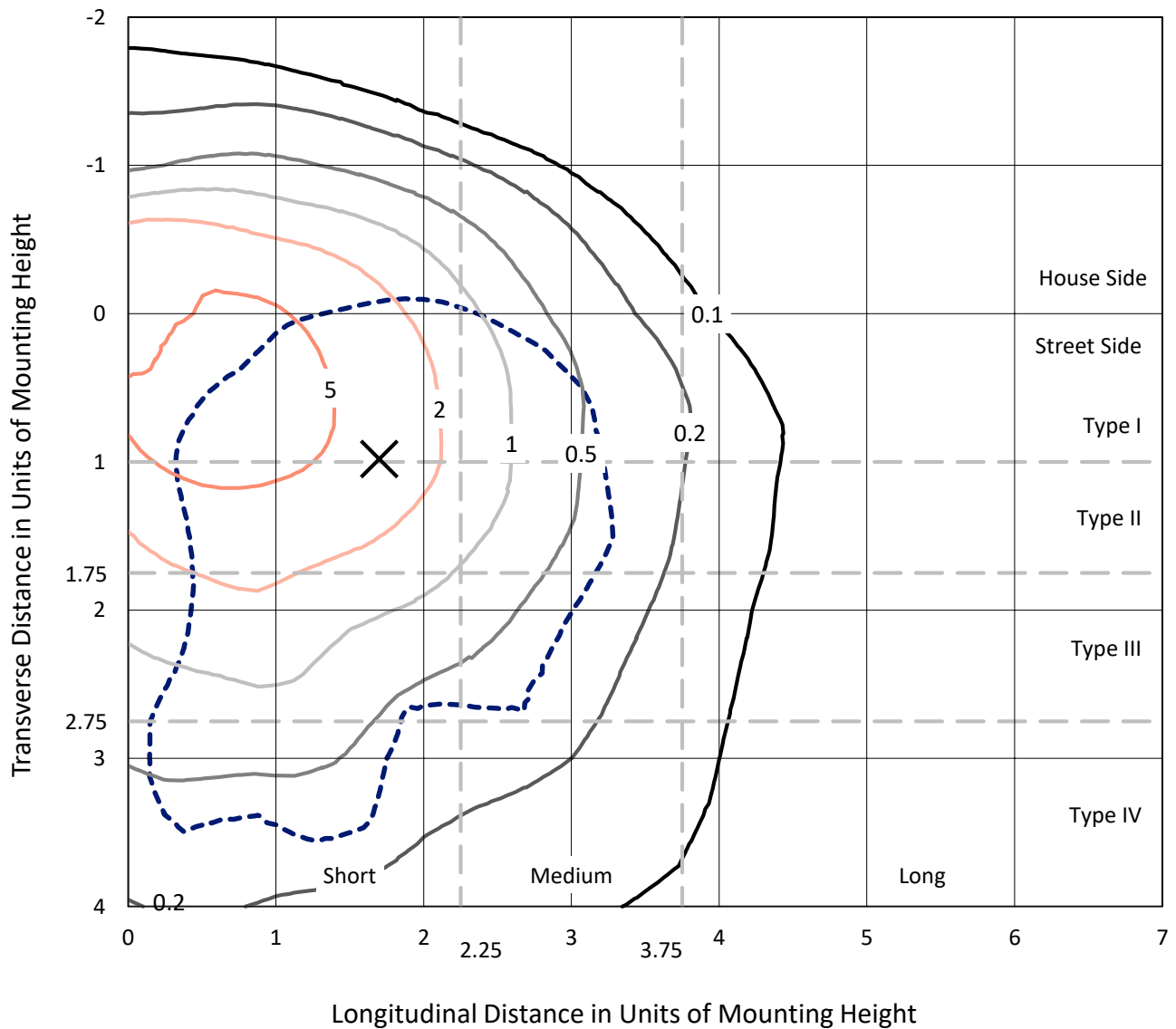
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

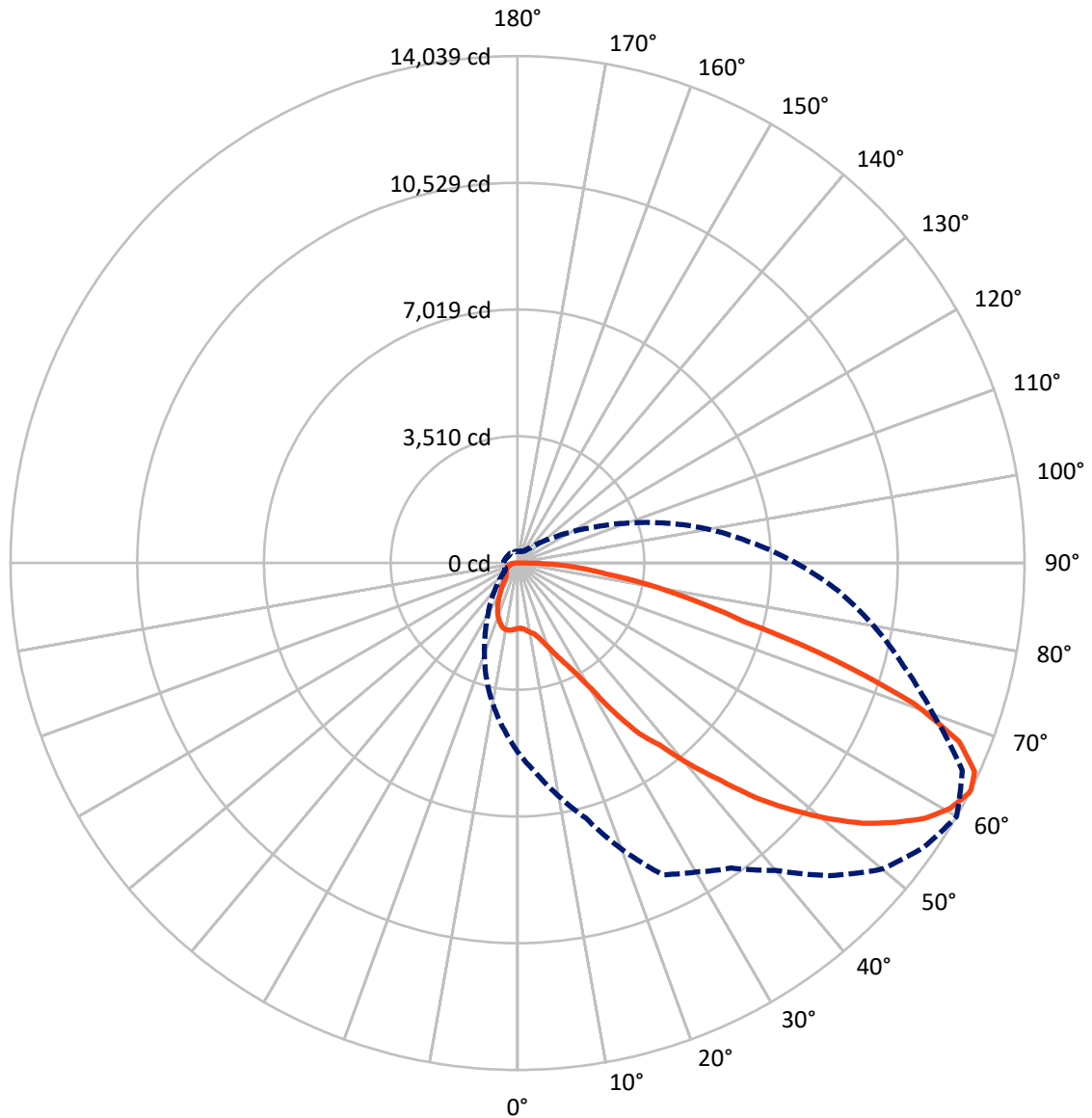
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3089.8	0.0	3089.8
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	11670.6	0.0	11670.6
	% Fixture	79.1	0.0	79.1
Total	Lumens	14760.3	0.0	14760.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.0	1.2
10°-20°	555.7	3.8
20°-30°	982.7	6.7
30°-40°	1551.4	10.5
40°-50°	2281.3	15.5
50°-60°	3005.0	20.4
60°-70°	3349.4	22.7
70°-80°	2200.6	14.9
80°-90°	656.3	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°	14760.3	100.0
0°-180°	14760.3	100.0

Coefficient of Utilization



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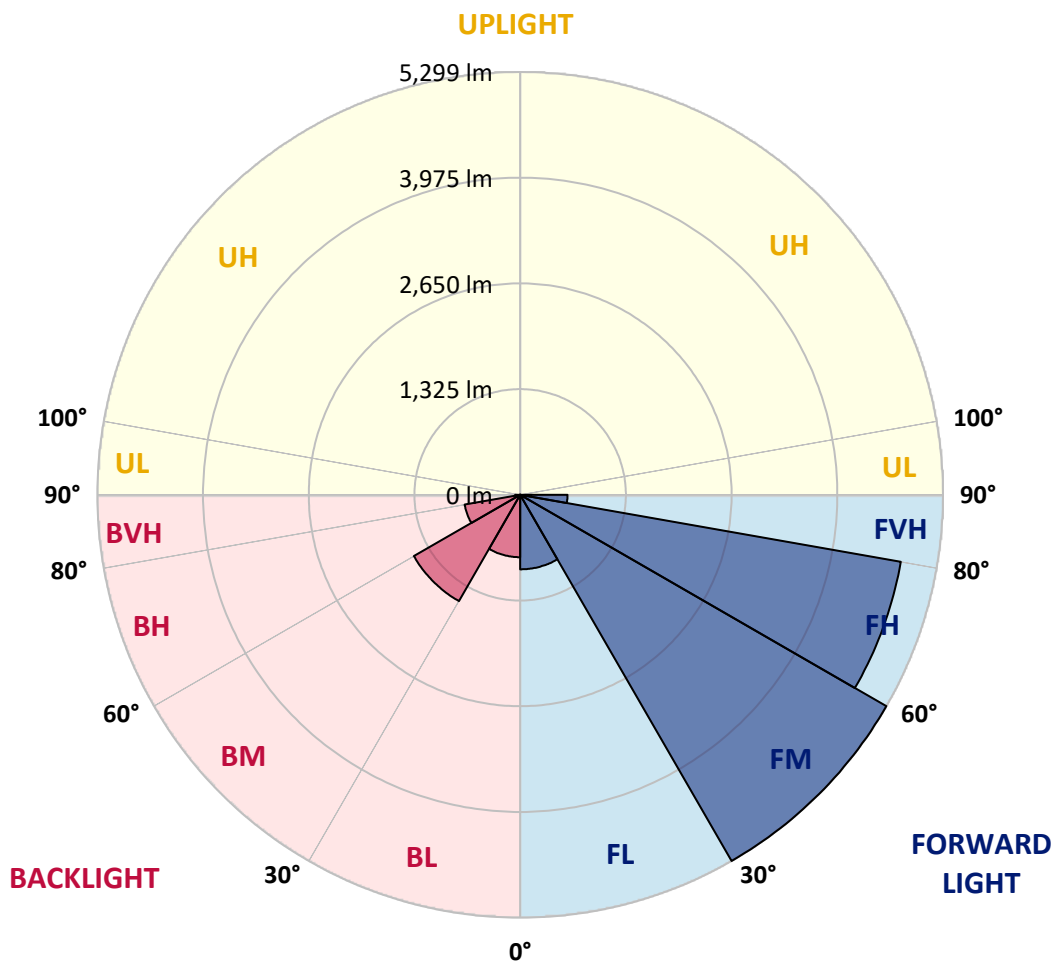
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	934.2	6.3			
FM	(30°-60°)	5299.3	35.9			
FH	(60°-80°)	4843.9	32.8			G2/5000
FVH	(80°-90°)	593.1	4.0			G4/750
BL	(0°-30°)	782.2	5.3	B2/1000		
BM	(30°-60°)	1538.3	10.4	B2/2500		
BH	(60°-80°)	706.1	4.8	B2/1000		G2/1000
BVH	(80°-90°)	63.1	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-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8
2.5°	1810.6	1811.7	1808.4	1807.3	1805.1	1806.2	1806.2	1804.0	1804.0	1805.1	1801.9
5°	1801.9	1804.0	1803.0	1805.1	1807.3	1810.6	1813.9	1817.2	1820.5	1824.9	1826.0
7.5°	1792.0	1798.6	1799.7	1806.2	1813.9	1822.7	1833.6	1845.7	1862.1	1866.5	1876.4
10°	1797.5	1809.5	1816.1	1829.3	1841.3	1857.8	1877.5	1889.5	1910.4	1918.0	1932.3
12.5°	1840.2	1849.0	1857.8	1873.1	1890.6	1911.5	1933.4	1952.0	1973.9	1981.6	1987.1
15°	1921.3	1930.1	1940.0	1955.3	1973.9	1999.1	2030.9	2053.9	2080.2	2100.0	2114.2
17.5°	2034.2	2034.2	2057.2	2061.6	2097.8	2136.1	2175.6	2220.5	2247.9	2264.4	2290.7
20°	2196.4	2196.4	2227.1	2241.4	2272.1	2321.4	2375.1	2424.4	2463.9	2496.7	2520.8
22.5°	2477.0	2464.9	2491.3	2488.0	2525.2	2598.7	2651.3	2678.7	2731.3	2751.0	2782.8
25°	2802.5	2845.3	2873.8	2873.8	2889.1	2964.7	3008.6	3029.4	3077.6	3063.4	3096.3
27.5°	3201.5	3316.6	3422.9	3466.7	3445.9	3529.2	3544.5	3564.3	3558.8	3524.8	3514.9
30°	3593.9	3796.6	3962.1	4062.9	4179.1	4340.2	4340.2	4366.5	4309.6	4215.3	4159.4
32.5°	3865.7	4126.5	4379.7	4589.0	4786.3	5032.9	5137.0	5281.7	5305.8	5342.0	5217.1
35°	4089.3	4455.3	4727.1	5041.7	5282.8	5532.7	5810.0	6061.0	6227.6	6200.2	6150.9
37.5°	4242.7	4712.9	5092.1	5461.5	5828.6	6114.7	6377.7	6705.5	7024.4	7088.0	6954.2
40°	4350.1	4894.8	5416.5	5870.3	6331.7	6761.3	7081.4	7433.2	7933.0	8144.5	8034.9
42.5°	4401.6	5037.3	5619.3	6196.9	6781.1	7323.6	7724.8	8207.0	8799.9	9161.6	9041.1
45°	4423.5	5125.0	5783.7	6441.3	7142.8	7812.4	8329.8	8876.7	9544.1	10125.0	10147.0
47.5°	4418.1	5172.1	5896.6	6615.6	7426.6	8205.9	8899.7	9520.0	10276.3	10886.8	11113.6
50°	4402.7	5188.6	5964.5	6720.8	7605.3	8494.2	9275.6	10013.2	10858.3	11631.0	11976.2
52.5°	4401.6	5191.8	5998.5	6778.9	7710.5	8670.6	9511.3	10382.6	11308.7	12116.5	12654.7
55°	4427.9	5211.6	6035.8	6819.4	7767.5	8770.4	9643.9	10613.9	11504.9	12422.3	13117.2
57.5°	4534.2	5303.6	6124.6	6888.5	7831.1	8849.3	9746.9	10680.7	11563.0	12549.4	13385.7
60°	4767.7	5475.7	6279.1	7015.6	7996.6	9056.4	9844.5	10586.5	11453.4	12513.3	13424.1
62.5°	5131.6	5751.9	6495.0	7250.2	8333.0	9449.9	9885.0	10370.5	11182.7	12305.0	13258.6
63°	5224.7	5825.3	6552.0	7314.8	8430.6	9524.4	9881.7	10313.6	11108.2	12243.6	13184.0
65°	5613.8	6165.1	6817.2	7623.9	8874.5	9761.2	9762.3	9978.2	10727.8	11905.0	12878.2
67.5°	6199.1	6725.2	7229.4	8031.6	9365.5	9879.5	9408.2	9244.9	9908.0	11188.2	12102.3
70°	6589.3	7239.2	7522.0	8139.0	9432.4	9735.9	8848.2	8303.5	8853.7	9923.4	10735.5
72.5°	6599.1	7340.0	7422.3	7680.9	8806.5	9049.8	7883.7	7146.1	7477.1	8374.7	8802.1
75°	5894.4	6826.0	6657.2	6561.9	7171.3	7275.4	6376.6	6069.8	6493.9	7024.4	6810.7
77.5°	4381.9	5620.4	5277.3	4871.8	5093.2	5108.6	5137.0	5715.7	6236.4	6453.4	6142.1
80°	2719.2	4128.7	3865.7	3197.1	3282.6	3534.7	4290.9	5313.5	5883.4	6039.1	5416.5
82.5°	1639.6	3037.1	2896.8	2439.7	2547.2	3175.2	4011.4	4294.2	4486.0	4471.8	3828.4
85°	1201.2	2062.7	2253.4	2287.4	2668.8	3083.1	3065.6	2856.2	2739.0	2410.1	2057.2
87.5°	378.1	1064.2	1262.6	1472.0	1612.2	1525.7	1500.5	1296.6	928.3	784.8	862.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8
2.5°	1801.9	1806.2	1808.4	1807.3	1808.4	1808.4	1815.0	1812.8	1815.0	1813.9	1820.5
5°	1829.3	1835.8	1841.3	1841.3	1842.4	1844.6	1853.4	1853.4	1857.8	1866.5	1870.9
7.5°	1883.0	1891.7	1892.8	1895.0	1901.6	1898.3	1903.8	1906.0	1909.3	1913.7	1919.1
10°	1938.9	1950.9	1950.9	1949.8	1950.9	1942.1	1945.4	1938.9	1940.0	1946.5	1953.1
12.5°	2001.3	2007.9	2003.5	2000.2	2000.2	1983.8	1981.6	1972.8	1968.5	1969.5	1971.7
15°	2126.3	2120.8	2119.7	2114.2	2094.5	2082.4	2073.7	2046.3	2032.0	2024.3	2011.2
17.5°	2292.9	2296.2	2290.7	2285.2	2256.7	2216.2	2198.6	2169.0	2149.3	2129.6	2105.5
20°	2536.2	2514.3	2512.1	2494.5	2455.1	2398.1	2355.3	2307.1	2279.7	2251.2	2226.0
22.5°	2804.7	2781.7	2766.4	2732.4	2674.3	2602.0	2530.7	2469.3	2427.7	2406.9	2389.3
25°	3102.8	3089.7	3064.5	2977.9	2931.9	2848.6	2770.7	2710.5	2663.3	2645.8	2615.1
27.5°	3460.1	3470.0	3422.9	3341.8	3283.7	3166.4	3099.5	2995.4	2956.0	2892.4	2852.9
30°	4111.2	4047.6	3967.6	3843.7	3726.5	3568.6	3457.9	3349.4	3291.3	3205.9	3100.6
32.5°	5175.4	4933.2	4718.4	4455.3	4206.5	4004.9	3844.8	3707.8	3619.1	3477.7	3299.0
35°	6033.6	5800.1	5445.0	5062.5	4735.9	4477.2	4275.6	4146.2	3968.7	3742.9	3484.2
37.5°	6662.7	6394.2	6062.1	5769.5	5413.2	5125.0	4852.1	4583.6	4333.7	3991.7	3661.8
40°	7684.2	7320.3	6773.4	6428.2	6136.6	5746.4	5491.1	5129.4	4749.1	4308.5	3830.6
42.5°	8694.7	8212.5	7717.1	7320.3	6906.0	6483.0	6132.2	5646.7	5141.4	4570.4	3981.8
45°	9868.6	9277.8	8630.1	8075.5	7650.2	7152.6	6703.3	6107.0	5462.6	4785.2	4113.4
47.5°	10793.6	10208.3	9477.3	8918.3	8345.1	7783.9	7200.9	6465.4	5701.5	4960.6	4236.1
50°	11680.3	11115.8	10338.8	9652.7	8993.9	8316.6	7611.9	6719.7	5888.9	5097.6	4333.7
52.5°	12476.0	11974.0	11134.5	10314.6	9578.1	8797.8	7924.2	6957.5	6068.7	5239.0	4410.4
55°	13150.1	12679.9	11926.9	10906.5	10070.2	9206.6	8219.1	7174.5	6258.3	5386.9	4466.3
57.5°	13602.7	13330.9	12526.4	11427.1	10474.7	9555.1	8441.5	7392.7	6435.8	5479.0	4490.4
60°	13813.1	13777.0	13096.3	11897.3	10834.2	9826.9	8722.1	7623.9	6553.1	5520.7	4456.4
62.5°	13769.3	14028.0	13530.4	12219.5	11063.2	9996.8	8901.9	7723.7	6523.5	5419.8	4306.3
63°	13728.8	14038.9	13591.7	12251.3	11081.9	10013.2	8919.4	7711.6	6496.1	5374.9	4254.8
65°	13431.7	13909.6	13607.1	12194.3	10996.4	9966.1	8840.5	7522.0	6223.2	5092.1	3963.2
67.5°	12704.0	13182.9	13015.2	11566.3	10442.9	9459.8	8289.2	6876.4	5554.6	4491.5	3422.9
70°	11201.3	11629.9	11429.3	10154.6	9111.2	8414.1	7301.7	5719.0	4525.5	3610.3	2605.2
72.5°	8860.2	9161.6	9205.5	8192.8	7393.8	6975.1	5882.3	4313.9	3305.6	2514.3	1691.2
75°	6560.8	6490.6	6504.9	5939.3	5613.8	5437.4	4397.2	2959.3	2227.1	1536.6	1002.9
77.5°	5514.1	5009.9	4580.3	4423.5	4044.3	3934.7	2900.1	1816.1	1299.9	919.6	571.0
80°	4483.8	3719.9	3095.2	2817.9	2669.9	2691.8	1604.6	967.8	680.6	500.9	357.3
82.5°	3065.6	2484.7	1959.7	1702.1	1675.8	1701.0	834.1	474.6	359.5	288.3	224.7
85°	1812.8	1706.5	1523.5	1352.5	1293.3	1221.0	620.3	339.8	185.2	153.4	126.0
87.5°	783.7	962.3	985.3	980.9	913.0	733.2	228.0	87.7	77.8	39.5	31.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8
2.5°	1820.5	1821.6	1819.4	1821.6	1829.3	1829.3	1828.2	1830.4	1831.5	1838.0	1835.8
5°	1875.3	1876.4	1877.5	1885.2	1890.6	1897.2	1895.0	1897.2	1901.6	1902.7	1904.9
7.5°	1925.7	1932.3	1941.1	1944.3	1954.2	1956.4	1966.3	1967.4	1969.5	1965.2	1960.8
10°	1960.8	1967.4	1978.3	1983.8	2001.3	2003.5	2011.2	2013.4	2017.8	2014.5	2011.2
12.5°	1978.3	1983.8	1995.9	2006.8	2030.9	2038.6	2051.8	2059.4	2064.9	2061.6	2050.7
15°	2014.5	2013.4	2020.0	2028.7	2050.7	2064.9	2083.5	2093.4	2100.0	2094.5	2080.2
17.5°	2097.8	2082.4	2082.4	2077.0	2093.4	2096.7	2104.4	2109.8	2107.6	2091.2	2068.2
20°	2212.9	2189.8	2175.6	2162.4	2157.0	2129.6	2115.3	2095.6	2078.1	2048.5	2022.2
22.5°	2361.9	2345.5	2312.6	2283.0	2241.4	2185.5	2125.2	2073.7	2035.3	1994.8	1949.8
25°	2587.7	2550.4	2503.3	2433.2	2379.5	2280.8	2180.0	2082.4	2000.2	1936.7	1861.0
27.5°	2800.3	2721.4	2632.6	2523.0	2424.4	2292.9	2164.6	2051.8	1944.3	1842.4	1755.8
30°	2977.9	2840.9	2696.2	2542.8	2402.5	2243.6	2094.5	1966.3	1844.6	1724.0	1641.8
32.5°	3111.6	2914.3	2721.4	2525.2	2352.1	2165.7	1994.8	1857.8	1719.7	1592.5	1497.2
35°	3232.2	2965.8	2713.7	2478.1	2273.1	2067.1	1883.0	1729.5	1578.3	1442.4	1332.8
37.5°	3318.7	2983.4	2680.9	2410.1	2172.3	1946.5	1747.1	1583.7	1421.5	1283.4	1162.9
40°	3385.6	2974.6	2618.4	2306.0	2034.2	1799.7	1604.6	1433.6	1271.4	1133.3	1007.2
42.5°	3430.5	2941.7	2524.1	2187.7	1919.1	1673.6	1482.9	1303.2	1141.0	996.3	857.1
45°	3488.6	2928.6	2466.0	2098.9	1815.0	1567.3	1363.4	1188.1	1019.3	868.0	735.4
47.5°	3543.4	2920.9	2418.9	2025.4	1720.8	1470.9	1269.2	1085.1	915.2	767.2	646.7
50°	3576.3	2908.8	2369.6	1936.7	1615.5	1372.2	1179.3	993.0	822.0	680.6	573.2
52.5°	3586.2	2884.7	2304.9	1835.8	1524.6	1287.8	1087.3	900.9	736.5	609.4	509.6
55°	3578.5	2837.6	2217.2	1753.6	1431.4	1194.7	994.1	813.2	664.2	544.7	464.7
57.5°	3541.2	2743.3	2104.4	1649.5	1325.1	1077.4	880.1	714.6	582.0	486.6	425.3
60°	3457.9	2607.4	1966.3	1503.7	1172.7	938.2	751.9	609.4	497.6	428.5	388.0
62.5°	3276.0	2411.2	1765.7	1297.7	968.9	753.0	590.8	485.5	409.9	373.7	349.6
63°	3222.3	2343.3	1706.5	1242.9	933.8	711.3	554.6	459.2	391.3	361.7	342.0
65°	2939.5	2029.8	1442.4	999.6	723.4	539.2	423.1	360.6	324.4	313.5	308.0
67.5°	2409.1	1579.4	1014.9	670.8	485.5	372.6	312.4	288.3	275.1	274.0	277.3
70°	1702.1	1047.8	628.0	429.6	334.3	281.7	258.7	247.7	241.1	243.3	249.9
72.5°	1107.0	614.9	396.8	314.6	271.8	247.7	231.3	228.0	225.8	223.6	225.8
75°	585.3	384.7	300.3	263.0	237.8	218.1	207.1	202.8	203.9	203.9	203.9
77.5°	362.8	292.6	256.5	232.4	212.6	192.9	181.9	178.7	179.7	181.9	183.0
80°	278.4	255.4	225.8	208.2	179.7	163.3	157.8	156.7	158.9	158.9	162.2
82.5°	203.9	197.3	186.3	164.4	142.5	131.5	130.4	134.8	130.4	129.3	131.5
85°	119.5	111.8	121.7	104.1	95.4	88.8	93.2	101.9	106.3	100.8	98.6
87.5°	38.4	26.3	38.4	42.7	38.4	32.9	41.6	49.3	50.4	48.2	54.8
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: P145769

CATALOG NUMBER: LDRL-SLL-E06-E-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8
2.5°	1834.7	1842.4	1834.7	1838.0	1836.9	1834.7	1838.0	1833.6	1831.5	1838.0	1836.9
5°	1903.8	1904.9	1895.0	1896.1	1895.0	1886.3	1886.3	1881.9	1876.4	1877.5	1875.3
7.5°	1959.7	1957.5	1949.8	1946.5	1936.7	1930.1	1925.7	1919.1	1914.7	1910.4	1908.2
10°	2002.4	1996.9	1991.5	1981.6	1971.7	1966.3	1954.2	1944.3	1941.1	1934.5	1930.1
12.5°	2039.7	2029.8	2021.1	2009.0	1996.9	1988.2	1973.9	1966.3	1960.8	1952.0	1945.4
15°	2060.5	2041.9	2025.4	2006.8	1993.7	1980.5	1964.1	1960.8	1953.1	1944.3	1932.3
17.5°	2035.3	2009.0	1978.3	1958.6	1938.9	1919.1	1902.7	1902.7	1899.4	1889.5	1868.7
20°	1983.8	1944.3	1908.2	1876.4	1856.7	1828.2	1818.3	1803.0	1792.0	1774.5	1748.2
22.5°	1899.4	1857.8	1810.6	1778.8	1744.9	1713.1	1693.4	1669.2	1660.5	1632.0	1596.9
25°	1805.1	1744.9	1694.4	1652.8	1605.7	1568.4	1541.0	1508.1	1486.2	1458.8	1415.0
27.5°	1693.4	1630.9	1573.9	1527.9	1478.5	1427.0	1376.6	1338.2	1298.8	1267.0	1241.8
30°	1572.8	1508.1	1438.0	1384.3	1327.3	1262.6	1221.0	1169.5	1138.8	1103.7	1070.8
32.5°	1415.0	1358.0	1275.8	1213.3	1143.1	1092.7	1058.8	1009.4	973.3	943.7	925.0
35°	1241.8	1156.3	1074.1	1027.0	978.7	938.2	891.1	852.7	828.6	797.9	781.5
37.5°	1053.3	953.5	883.4	841.7	792.4	772.7	743.1	720.1	698.2	677.3	664.2
40°	884.5	792.4	728.9	693.8	660.9	639.0	620.3	610.5	596.2	579.8	569.9
42.5°	744.2	670.8	608.3	575.4	550.2	548.0	536.0	528.3	522.8	512.9	497.6
45°	634.6	567.7	514.0	487.7	476.8	477.9	477.9	471.3	471.3	468.0	458.1
47.5°	561.2	500.9	461.4	443.9	439.5	440.6	437.3	435.1	436.2	435.1	429.6
50°	504.2	452.7	419.8	413.2	412.1	411.0	406.6	403.3	402.2	404.4	403.3
52.5°	446.1	403.3	384.7	382.5	383.6	383.6	382.5	381.4	383.6	385.8	382.5
55°	413.2	382.5	370.5	370.5	370.5	370.5	369.4	368.3	371.6	374.8	369.4
57.5°	382.5	360.6	356.2	356.2	356.2	354.0	354.0	355.1	359.5	366.1	359.5
60°	359.5	348.5	348.5	349.6	348.5	344.2	340.9	340.9	346.3	355.1	349.6
62.5°	337.6	332.1	334.3	333.2	331.0	325.5	321.1	321.1	327.7	336.5	338.7
63°	332.1	327.7	329.9	328.8	326.6	322.2	317.8	317.8	323.3	332.1	335.4
65°	308.0	309.1	310.2	311.3	310.2	309.1	303.6	301.4	305.8	312.4	316.7
67.5°	279.5	281.7	283.9	289.3	287.2	287.2	283.9	281.7	282.8	286.1	289.3
70°	253.2	255.4	258.7	260.9	261.9	263.0	260.9	257.6	258.7	259.8	261.9
72.5°	228.0	230.2	232.4	236.7	236.7	236.7	234.5	232.4	233.5	235.6	237.8
75°	205.0	206.1	208.2	211.5	212.6	210.4	210.4	208.2	209.3	212.6	214.8
77.5°	181.9	179.7	180.8	183.0	186.3	186.3	187.4	186.3	188.5	190.7	192.9
80°	155.6	153.4	151.3	152.3	156.7	162.2	167.7	167.7	171.0	172.1	175.4
82.5°	123.9	121.7	120.6	123.9	122.8	130.4	142.5	149.1	153.4	157.8	160.0
85°	96.4	91.0	93.2	93.2	91.0	103.0	114.0	122.8	123.9	130.4	131.5
87.5°	57.0	54.8	52.6	50.4	58.1	70.1	80.0	83.3	85.5	88.8	92.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: LDRL-SLL-E06-E-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8
2.5°	1828.2	1836.9	1834.7	1833.6	1834.7	1833.6	1830.4	1831.5	1829.3	1830.4	1828.2
5°	1863.2	1867.6	1864.3	1858.9	1858.9	1851.2	1845.7	1841.3	1835.8	1833.6	1829.3
7.5°	1897.2	1893.9	1889.5	1879.7	1874.2	1864.3	1856.7	1847.9	1842.4	1835.8	1828.2
10°	1918.0	1911.5	1902.7	1890.6	1875.3	1866.5	1855.6	1842.4	1835.8	1832.5	1824.9
12.5°	1927.9	1910.4	1896.1	1874.2	1852.3	1835.8	1823.8	1810.6	1807.3	1803.0	1797.5
15°	1904.9	1879.7	1843.5	1813.9	1785.4	1762.4	1752.5	1738.3	1735.0	1733.9	1732.8
17.5°	1827.1	1788.7	1753.6	1714.2	1689.0	1668.1	1659.4	1656.1	1650.6	1648.4	1649.5
20°	1702.1	1669.2	1634.2	1621.0	1591.4	1585.9	1572.8	1564.0	1554.2	1550.9	1545.4
22.5°	1556.3	1515.8	1493.9	1484.0	1472.0	1443.5	1436.9	1428.1	1415.0	1405.1	1402.9
25°	1386.5	1353.6	1352.5	1329.5	1319.6	1304.3	1286.7	1275.8	1268.1	1256.0	1247.3
27.5°	1213.3	1201.2	1180.4	1162.9	1156.3	1147.5	1121.2	1115.7	1107.0	1097.1	1087.3
30°	1052.2	1043.4	1023.7	1007.2	997.4	979.8	954.6	956.8	939.3	926.1	917.4
32.5°	895.4	888.9	870.2	865.9	834.1	825.3	799.0	779.3	761.7	748.6	737.6
35°	754.1	736.5	737.6	717.9	700.4	674.1	646.7	621.4	607.2	600.6	590.8
37.5°	652.1	635.7	619.3	597.3	577.6	559.0	542.5	534.9	526.1	528.3	529.4
40°	560.1	548.0	536.0	520.6	508.6	500.9	496.5	496.5	497.6	503.1	507.5
42.5°	494.3	484.4	477.9	472.4	474.6	474.6	477.9	483.3	488.8	496.5	500.9
45°	450.5	445.0	442.8	445.0	451.6	457.0	464.7	473.5	482.2	489.9	493.2
47.5°	424.2	420.9	420.9	426.4	436.2	445.0	457.0	465.8	475.7	482.2	484.4
50°	395.7	394.6	394.6	399.0	407.7	418.7	430.7	439.5	448.3	453.8	455.9
52.5°	379.2	375.9	374.8	380.3	388.0	399.0	411.0	419.8	426.4	430.7	431.8
55°	365.0	361.7	359.5	366.1	374.8	384.7	399.0	408.8	415.4	420.9	425.3
57.5°	352.9	349.6	347.4	355.1	363.9	375.9	388.0	399.0	407.7	414.3	418.7
60°	343.1	338.7	336.5	345.2	354.0	366.1	378.1	390.2	402.2	409.9	412.1
62.5°	331.0	327.7	324.4	329.9	334.3	343.1	354.0	366.1	377.0	384.7	384.7
63°	327.7	326.6	322.2	326.6	331.0	338.7	349.6	360.6	371.6	380.3	379.2
65°	313.5	313.5	311.3	315.7	320.0	327.7	336.5	348.5	358.4	365.0	366.1
67.5°	290.4	291.5	293.7	298.1	306.9	314.6	324.4	335.4	344.2	348.5	350.7
70°	264.1	266.3	270.7	277.3	285.0	291.5	298.1	309.1	316.7	321.1	323.3
72.5°	238.9	244.4	247.7	253.2	257.6	264.1	269.6	280.6	287.2	290.4	295.9
75°	215.9	220.3	222.5	225.8	230.2	232.4	238.9	243.3	252.1	256.5	263.0
77.5°	194.0	196.2	199.5	205.0	206.1	209.3	211.5	218.1	222.5	226.9	232.4
80°	174.3	176.5	180.8	184.1	185.2	187.4	188.5	187.4	186.3	183.0	187.4
82.5°	156.7	158.9	164.4	167.7	171.0	171.0	169.9	157.8	152.3	154.5	157.8
85°	129.3	131.5	137.0	143.6	144.7	143.6	144.7	132.6	124.9	121.7	124.9
87.5°	81.1	78.9	97.5	106.3	99.7	101.9	103.0	96.4	89.9	76.7	80.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	0°
2.5°	1830.4	1822.7	1823.8	1826.0	1826.0	1829.3	1824.9	1819.4	1822.7	1817.2	1816.1	2.5°
5°	1829.3	1819.4	1819.4	1821.6	1819.4	1821.6	1818.3	1812.8	1816.1	1809.5	1808.4	5°
7.5°	1824.9	1819.4	1821.6	1823.8	1820.5	1821.6	1820.5	1812.8	1813.9	1810.6	1803.0	7.5°
10°	1822.7	1819.4	1823.8	1830.4	1830.4	1831.5	1828.2	1819.4	1813.9	1810.6	1804.0	10°
12.5°	1799.7	1804.0	1812.8	1828.2	1833.6	1842.4	1846.8	1842.4	1844.6	1840.2	1838.0	12.5°
15°	1733.9	1744.9	1759.1	1782.1	1798.6	1818.3	1842.4	1853.4	1874.2	1890.6	1901.6	15°
17.5°	1655.0	1662.7	1678.0	1704.3	1725.1	1764.6	1797.5	1834.7	1875.3	1919.1	1957.5	17.5°
20°	1557.4	1552.0	1576.1	1604.6	1640.7	1684.6	1732.8	1788.7	1855.6	1925.7	1992.6	20°
22.5°	1413.9	1413.9	1439.1	1473.1	1516.9	1567.3	1634.2	1694.4	1782.1	1884.1	1982.7	22.5°
25°	1249.5	1252.8	1270.3	1308.6	1339.3	1411.7	1474.1	1552.0	1657.2	1769.0	1900.5	25°
27.5°	1074.1	1096.0	1091.6	1132.2	1172.7	1244.0	1329.5	1408.4	1525.7	1645.1	1795.3	27.5°
30°	915.2	911.9	910.8	959.0	999.6	1064.2	1134.4	1234.1	1352.5	1505.9	1679.1	30°
32.5°	717.9	729.9	738.7	767.2	811.1	871.3	947.0	1051.1	1193.6	1348.1	1543.2	32.5°
35°	592.9	596.2	608.3	624.7	663.1	713.5	792.4	884.5	1009.4	1169.5	1376.6	35°
37.5°	531.6	534.9	548.0	563.4	590.8	628.0	681.7	753.0	868.0	1017.1	1210.0	37.5°
40°	511.8	515.1	522.8	537.0	562.3	594.0	636.8	691.6	774.9	891.1	1059.9	40°
42.5°	503.1	503.1	504.2	515.1	540.3	577.6	623.6	673.0	734.3	822.0	959.0	42.5°
45°	493.2	493.2	492.1	499.8	519.5	562.3	618.2	678.4	745.3	820.9	928.3	45°
47.5°	484.4	482.2	480.1	483.3	499.8	543.6	608.3	681.7	767.2	861.5	970.0	47.5°
50°	453.8	453.8	452.7	453.8	469.1	515.1	589.7	678.4	786.9	908.6	1040.1	50°
52.5°	431.8	432.9	434.0	434.0	446.1	493.2	575.4	679.5	808.9	954.6	1121.2	52.5°
55°	426.4	428.5	428.5	426.4	436.2	479.0	562.3	676.2	824.2	1006.1	1207.8	55°
57.5°	419.8	420.9	422.0	419.8	426.4	463.6	543.6	660.9	819.8	1025.9	1272.5	57.5°
60°	411.0	406.6	405.5	402.2	406.6	436.2	510.7	628.0	793.5	1017.1	1294.4	60°
62.5°	386.9	383.6	380.3	377.0	380.3	402.2	474.6	587.5	749.7	982.0	1276.9	62.5°
63°	381.4	379.2	375.9	372.6	372.6	396.8	462.5	577.6	738.7	972.2	1270.3	63°
65°	366.1	365.0	362.8	359.5	358.4	377.0	435.1	532.7	687.2	928.3	1228.6	65°
67.5°	348.5	348.5	347.4	343.1	337.6	348.5	389.1	465.8	597.3	815.4	1125.6	67.5°
70°	323.3	323.3	322.2	320.0	313.5	321.1	347.4	397.9	492.1	666.4	943.7	70°
72.5°	298.1	298.1	301.4	300.3	301.4	302.5	315.7	343.1	400.0	518.4	713.5	72.5°
75°	265.2	270.7	271.8	274.0	275.1	274.0	280.6	297.0	329.9	397.9	520.6	75°
77.5°	237.8	245.5	244.4	242.2	241.1	242.2	241.1	248.8	272.9	315.7	385.8	77.5°
80°	196.2	203.9	203.9	202.8	200.6	202.8	200.6	208.2	228.0	265.2	306.9	80°
82.5°	161.1	166.6	169.9	172.1	169.9	178.7	178.7	176.5	191.8	224.7	258.7	82.5°
85°	129.3	134.8	138.1	142.5	144.7	142.5	141.4	139.2	148.0	174.3	197.3	85°
87.5°	82.2	86.6	86.6	87.7	87.7	91.0	84.4	76.7	70.1	99.7	104.1	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°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1812.8	1812.8	1812.8	1812.8	1812.8	1812.8	1812.8
1812.8	1812.8	1813.9	1810.6	1813.9	1813.9	1810.6
1805.1	1803.0	1803.0	1801.9	1804.0	1803.0	1801.9
1798.6	1798.6	1794.2	1790.9	1789.8	1794.2	1792.0
1796.4	1794.2	1793.1	1790.9	1792.0	1795.3	1797.5
1835.8	1828.2	1830.4	1829.3	1830.4	1833.6	1840.2
1908.2	1908.2	1913.7	1901.6	1907.1	1912.6	1921.3
1989.3	2009.0	2018.9	2017.8	2020.0	2024.3	2034.2
2058.3	2120.8	2164.6	2175.6	2205.2	2211.8	2196.4
2089.0	2200.8	2299.5	2365.2	2438.6	2468.2	2477.0
2026.5	2187.7	2349.9	2501.1	2645.8	2729.1	2802.5
1961.9	2152.6	2368.5	2594.3	2829.9	3042.6	3201.5
1872.0	2124.1	2415.6	2720.3	3032.7	3328.6	3593.9
1773.4	2078.1	2420.0	2790.5	3176.3	3544.5	3865.7
1632.0	1970.6	2349.9	2779.5	3226.7	3688.1	4089.3
1469.8	1799.7	2224.9	2715.9	3223.4	3761.5	4242.7
1296.6	1634.2	2081.3	2607.4	3180.7	3784.6	4350.1
1166.2	1500.5	1938.9	2504.4	3117.1	3769.2	4401.6
1099.3	1385.4	1822.7	2403.6	3045.8	3731.9	4423.5
1112.5	1354.7	1753.6	2320.3	2982.3	3691.4	4418.1
1185.9	1400.7	1752.5	2289.6	2941.7	3654.1	4402.7
1296.6	1504.8	1816.1	2325.8	2963.6	3650.8	4401.6
1421.5	1650.6	1969.5	2423.3	3056.8	3710.0	4427.9
1542.1	1828.2	2166.8	2641.4	3233.3	3858.0	4534.2
1613.3	1990.4	2420.0	2949.4	3505.1	4117.7	4767.7
1629.8	2087.9	2644.7	3251.9	3877.7	4493.7	5131.6
1628.7	2097.8	2683.1	3314.4	3953.3	4580.3	5224.7
1603.5	2117.5	2786.1	3520.4	4256.9	4951.8	5613.8
1524.6	2082.4	2843.1	3712.2	4558.3	5361.7	6199.1
1343.7	1922.4	2776.2	3774.7	4738.1	5633.5	6589.3
1052.2	1585.9	2397.0	3450.3	4494.8	5390.2	6599.1
739.8	1121.2	1844.6	2833.2	3673.9	4555.1	5894.4
515.1	726.7	1198.0	1906.0	2651.3	3323.1	4381.9
377.0	483.3	717.9	1139.9	1609.0	2077.0	2719.2
290.4	348.5	459.2	688.3	908.6	1162.9	1639.6
203.9	230.2	283.9	425.3	609.4	831.9	1201.2
88.8	104.1	137.0	251.0	412.1	396.8	378.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)