

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: P145776

Luminaire Tested: **LDRL-SLL-F06-E-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P145776  
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-7050  
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (42) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13689.3 lumens  
Efficiency: N/A  
Efficacy: 87.5 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

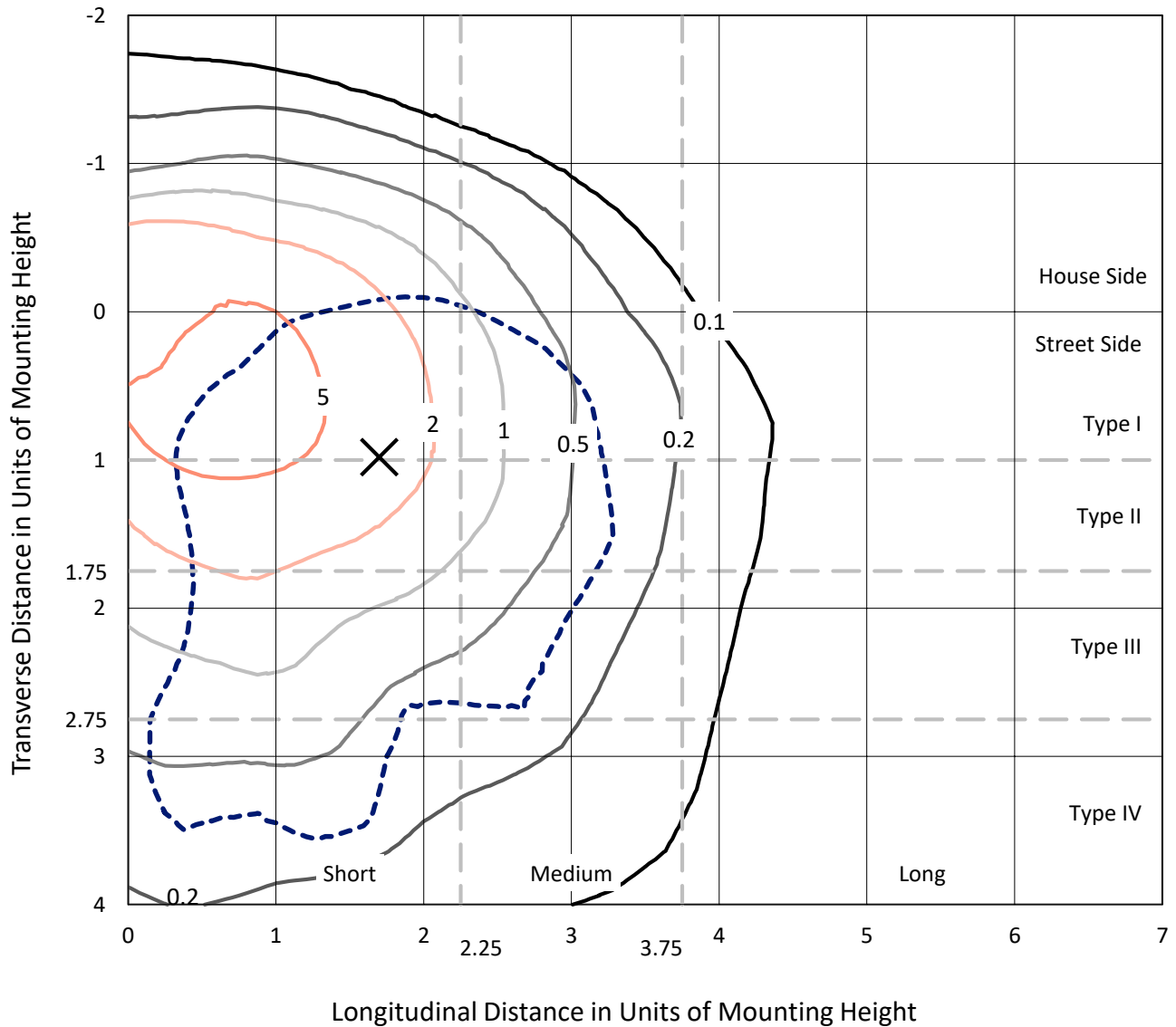
Input Watts (W): 156.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P145776  
 CATALOG NUMBER: LDRL-SLL-F06-E-7050

### Iso-Footcandle Lines of Horizontal Illumination

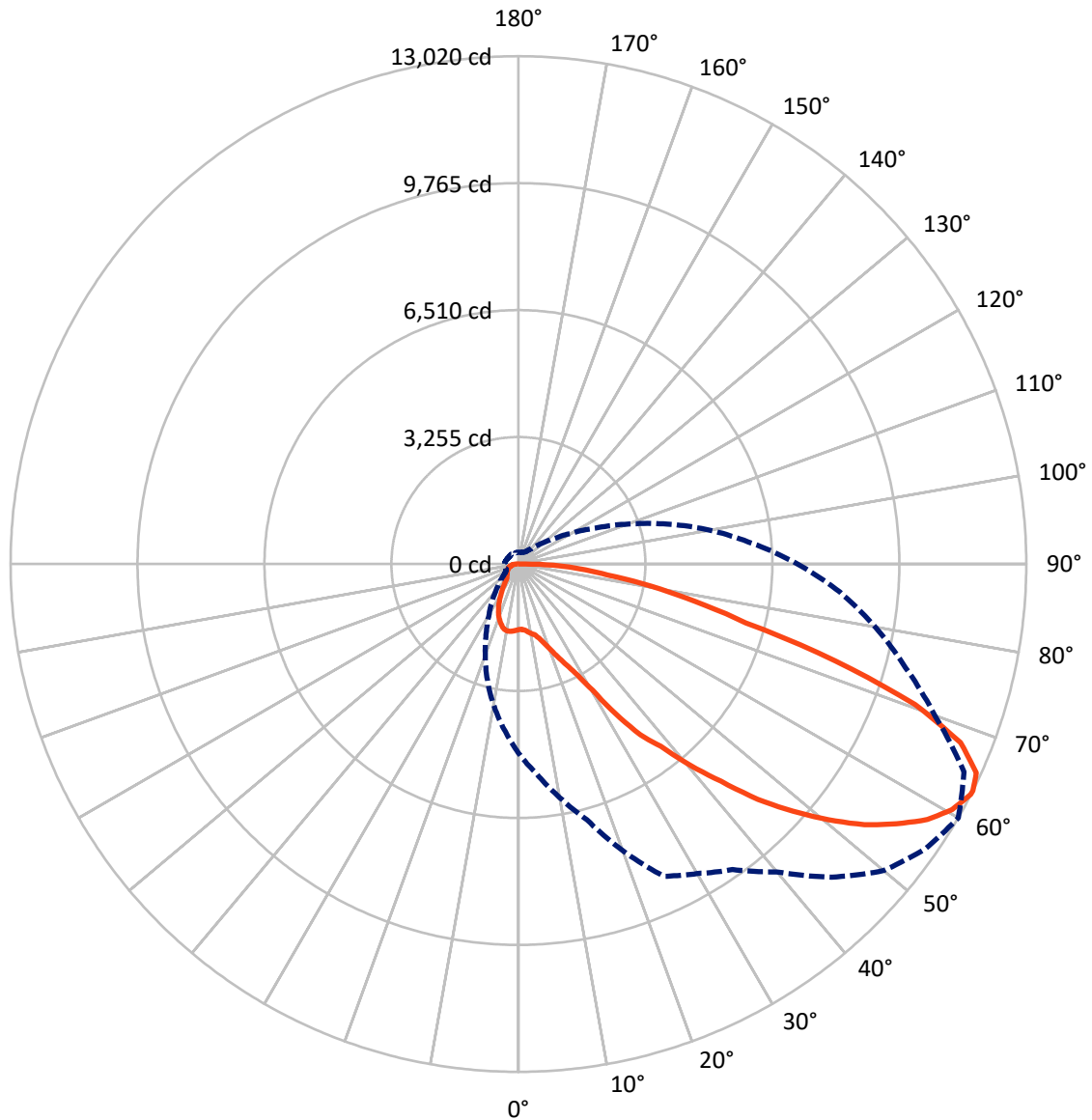
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.5 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P145776  
CATALOG NUMBER: LDRL-SLL-F06-E-7050

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P145776

CATALOG NUMBER: LDRL-SLL-F06-E-7050

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2865.6	0.0	2865.6
	% Fixture	20.9	0.0	20.9
<b>Street Side</b>	Lumens	10823.7	0.0	10823.7
	% Fixture	79.1	0.0	79.1
<b>Total</b>	Lumens	13689.3	0.0	13689.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.1	1.2
10°-20°	515.4	3.8
20°-30°	911.4	6.7
30°-40°	1438.8	10.5
40°-50°	2115.7	15.5
50°-60°	2787.0	20.4
60°-70°	3106.4	22.7
70°-80°	2041.0	14.9
80°-90°	608.6	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°	13689.3	100.0
0°-180°	13689.3	100.0



REPORT NUMBER: P145776

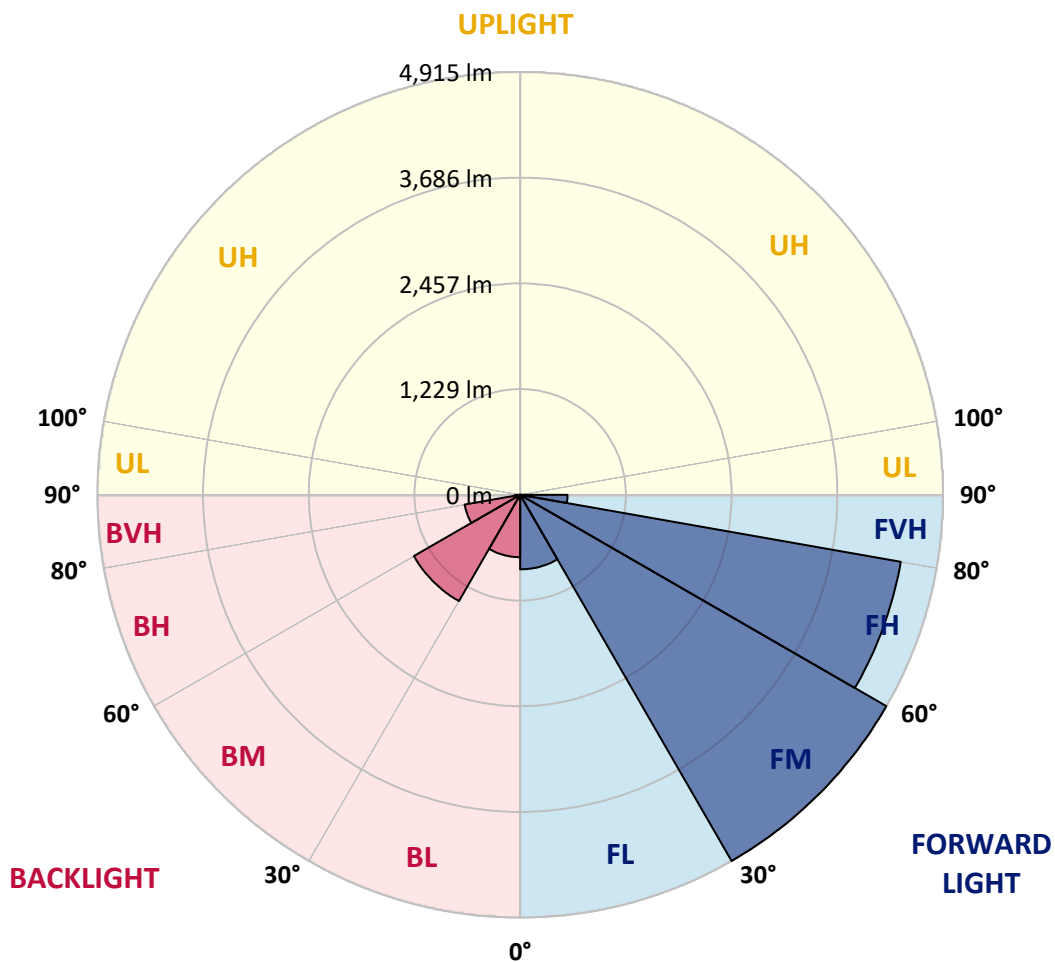
CATALOG NUMBER: LDRL-SLL-F06-E-7050

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	866.4	6.3			
FM	(30°-60°)	4914.8	35.9			
FH	(60°-80°)	4492.4	32.8			G2/5000
FVH	(80°-90°)	550.1	4.0			G4/750
BL	(0°-30°)	725.4	5.3	B2/1000		
BM	(30°-60°)	1426.7	10.4	B2/2500		
BH	(60°-80°)	654.9	4.8	B2/1000		G2/1000
BVH	(80°-90°)	58.6	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





REPORT NUMBER: P145776

CATALOG NUMBER: LDRL-SLL-F06-E-7050

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3
2.5°	1679.2	1680.3	1677.2	1676.2	1674.2	1675.2	1675.2	1673.1	1673.1	1674.2	1671.1
5°	1671.1	1673.1	1672.1	1674.2	1676.2	1679.2	1682.3	1685.3	1688.4	1692.5	1693.5
7.5°	1662.0	1668.1	1669.1	1675.2	1682.3	1690.4	1700.6	1711.8	1727.0	1731.1	1740.2
10°	1667.0	1678.2	1684.3	1696.5	1707.7	1723.0	1741.2	1752.4	1771.7	1778.9	1792.1
12.5°	1706.7	1714.8	1723.0	1737.2	1753.4	1772.8	1793.1	1810.4	1830.7	1837.8	1842.9
15°	1781.9	1790.0	1799.2	1813.4	1830.7	1854.1	1883.6	1904.9	1929.3	1947.6	1960.8
17.5°	1886.6	1886.6	1908.0	1912.0	1945.6	1981.1	2017.7	2059.4	2084.8	2100.1	2124.5
20°	2037.0	2037.0	2065.5	2078.7	2107.2	2152.9	2202.7	2248.5	2285.1	2315.6	2337.9
22.5°	2297.3	2286.1	2310.5	2307.4	2342.0	2410.1	2458.9	2484.3	2533.1	2551.4	2580.9
25°	2599.2	2638.8	2665.2	2665.2	2679.5	2749.6	2790.3	2809.6	2854.3	2841.1	2871.6
27.5°	2969.2	3075.9	3174.5	3215.2	3195.8	3273.1	3287.3	3305.6	3300.5	3269.0	3259.9
30°	3333.1	3521.1	3674.6	3768.1	3875.9	4025.3	4025.3	4049.7	3996.8	3909.4	3857.6
32.5°	3585.2	3827.1	4061.9	4256.0	4439.0	4667.7	4764.3	4898.5	4920.8	4954.4	4838.5
35°	3792.5	4132.0	4384.1	4675.9	4899.5	5131.2	5388.4	5621.2	5775.7	5750.3	5704.5
37.5°	3934.8	4370.9	4722.6	5065.2	5405.7	5671.0	5915.0	6218.9	6514.7	6573.6	6449.6
40°	4034.5	4539.6	5023.5	5444.3	5872.3	6270.7	6567.5	6893.8	7357.4	7553.5	7451.9
42.5°	4082.2	4671.8	5211.5	5747.2	6289.0	6792.2	7164.2	7611.5	8161.4	8496.8	8385.0
45°	4102.6	4753.1	5364.0	5973.9	6624.5	7245.5	7725.3	8232.6	8851.6	9390.3	9410.7
47.5°	4097.5	4796.8	5468.7	6135.5	6887.7	7610.5	8253.9	8829.2	9530.6	10096.8	10307.2
50°	4083.2	4812.1	5531.7	6233.1	7053.4	7877.8	8602.6	9286.7	10070.4	10787.0	11107.2
52.5°	4082.2	4815.1	5563.3	6287.0	7151.0	8041.5	8821.1	9629.2	10488.2	11237.3	11736.4
55°	4106.6	4833.4	5597.8	6324.6	7203.9	8134.0	8944.1	9843.7	10670.1	11520.9	12165.4
57.5°	4205.2	4918.8	5680.2	6388.6	7262.8	8207.1	9039.7	9905.7	10724.0	11638.8	12414.4
60°	4421.7	5078.4	5823.5	6506.6	7416.3	8399.3	9130.1	9818.3	10622.3	11605.3	12450.0
62.5°	4759.2	5334.5	6023.7	6724.1	7728.4	8764.2	9167.7	9618.0	10371.3	11412.1	12296.5
63°	4845.6	5402.6	6076.6	6784.1	7818.8	8833.3	9164.7	9565.2	10302.1	11355.2	12227.4
65°	5206.5	5717.8	6322.6	7070.7	8230.5	9052.9	9053.9	9254.1	9949.4	11041.1	11943.8
67.5°	5749.3	6237.2	6704.8	7448.8	8685.9	9162.6	8725.6	8574.1	9189.1	10376.3	11224.1
70°	6111.1	6713.9	6976.2	7548.5	8747.9	9029.5	8206.1	7700.9	8211.2	9203.3	9956.5
72.5°	6120.3	6807.4	6883.7	7123.6	8167.5	8393.2	7311.6	6627.5	6934.5	7767.0	8163.4
75°	5466.7	6330.7	6174.2	6085.7	6650.9	6747.5	5913.9	5629.3	6022.7	6514.7	6316.5
77.5°	4063.9	5212.6	4894.4	4518.3	4723.6	4737.9	4764.3	5301.0	5783.8	5985.1	5696.4
80°	2521.9	3829.1	3585.2	2965.1	3044.4	3278.2	3979.6	4927.9	5456.5	5600.9	5023.5
82.5°	1520.7	2816.7	2686.6	2262.7	2362.3	2944.8	3720.4	3982.6	4160.5	4147.3	3550.6
85°	1114.1	1913.0	2089.9	2121.4	2475.2	2859.4	2843.1	2649.0	2540.2	2235.3	1908.0
87.5°	350.7	987.0	1171.0	1365.1	1495.3	1415.0	1391.6	1202.5	861.0	727.8	800.0
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: P145776

CATALOG NUMBER: LDRL-SLL-F06-E-7050

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3
2.5°	1671.1	1675.2	1677.2	1676.2	1677.2	1677.2	1683.3	1681.3	1683.3	1682.3	1688.4
5°	1696.5	1702.6	1707.7	1707.7	1708.7	1710.8	1718.9	1718.9	1723.0	1731.1	1735.1
7.5°	1746.3	1754.5	1755.5	1757.5	1763.6	1760.6	1765.6	1767.7	1770.7	1774.8	1779.9
10°	1798.2	1809.4	1809.4	1808.3	1809.4	1801.2	1804.3	1798.2	1799.2	1805.3	1811.4
12.5°	1856.1	1862.2	1858.1	1855.1	1855.1	1839.8	1837.8	1829.7	1825.6	1826.6	1828.7
15°	1972.0	1966.9	1965.9	1960.8	1942.5	1931.3	1923.2	1897.8	1884.6	1877.5	1865.3
17.5°	2126.5	2129.5	2124.5	2119.4	2093.0	2055.3	2039.1	2011.6	1993.3	1975.0	1952.7
20°	2352.2	2331.8	2329.8	2313.5	2276.9	2224.1	2184.4	2139.7	2114.3	2087.9	2064.5
22.5°	2601.2	2579.9	2565.6	2534.1	2480.2	2413.1	2347.1	2290.2	2251.5	2232.2	2215.9
25°	2877.7	2865.5	2842.1	2761.8	2719.1	2641.9	2569.7	2513.8	2470.1	2453.8	2425.3
27.5°	3209.1	3218.2	3174.5	3099.3	3045.4	2936.6	2874.6	2778.1	2741.5	2682.5	2645.9
30°	3812.9	3753.9	3679.7	3564.8	3456.1	3309.7	3207.0	3106.4	3052.5	2973.2	2875.7
32.5°	4799.9	4575.2	4376.0	4132.0	3901.3	3714.3	3565.8	3438.8	3356.5	3225.3	3059.6
35°	5595.8	5379.3	5049.9	4695.2	4392.3	4152.4	3965.3	3845.4	3680.7	3471.3	3231.4
37.5°	6179.2	5930.2	5622.2	5350.8	5020.4	4753.1	4500.0	4251.0	4019.2	3702.1	3396.1
40°	7126.6	6789.1	6281.9	5961.7	5691.3	5329.5	5092.6	4757.2	4404.5	3995.8	3552.6
42.5°	8063.8	7616.6	7157.1	6789.1	6404.9	6012.5	5687.3	5237.0	4768.4	4238.8	3692.9
45°	9152.5	8604.6	8003.8	7489.5	7095.1	6633.6	6216.9	5663.9	5066.2	4438.0	3814.9
47.5°	10010.4	9467.6	8789.6	8271.2	7739.6	7219.1	6678.3	5996.3	5287.8	4600.6	3928.7
50°	10832.7	10309.2	9588.6	8952.2	8341.3	7713.1	7059.5	6232.1	5461.6	4727.7	4019.2
52.5°	11570.7	11105.2	10326.5	9566.2	8883.1	8159.4	7349.2	6452.7	5628.3	4858.8	4090.4
55°	12195.9	11759.8	11061.5	10115.1	9339.5	8538.5	7622.7	6653.9	5804.2	4996.1	4142.2
57.5°	12615.7	12363.6	11617.5	10597.9	9714.6	8861.8	7829.0	6856.2	5968.8	5081.4	4164.6
60°	12810.8	12777.3	12146.0	11034.0	10048.0	9113.9	8089.2	7070.7	6077.6	5120.1	4133.1
62.5°	12770.2	13010.1	12548.6	11332.9	10260.5	9271.4	8255.9	7163.2	6050.2	5026.5	3993.8
63°	12732.6	13020.2	12605.5	11362.3	10277.7	9286.7	8272.2	7152.0	6024.7	4984.9	3946.0
65°	12457.1	12900.3	12619.7	11309.5	10198.5	9243.0	8199.0	6976.2	5771.6	4722.6	3675.6
67.5°	11782.1	12226.4	12070.8	10727.0	9685.1	8773.3	7687.7	6377.5	5151.6	4165.6	3174.5
70°	10388.5	10786.0	10600.0	9417.8	8450.1	7803.6	6771.9	5304.0	4197.1	3348.3	2416.2
72.5°	8217.3	8496.8	8537.5	7598.3	6857.2	6468.9	5455.5	4000.9	3065.7	2331.8	1568.4
75°	6084.7	6019.7	6032.9	5508.4	5206.5	5042.8	4078.2	2744.5	2065.5	1425.1	930.1
77.5°	5114.0	4646.4	4247.9	4102.6	3750.9	3649.2	2689.6	1684.3	1205.6	852.8	529.6
80°	4158.5	3450.0	2870.6	2613.4	2476.2	2496.5	1488.1	897.6	631.2	464.5	331.4
82.5°	2843.1	2304.4	1817.5	1578.6	1554.2	1577.6	773.5	440.1	333.4	267.3	208.4
85°	1681.3	1582.7	1412.9	1254.3	1199.5	1132.4	575.3	315.1	171.8	142.3	116.9
87.5°	726.8	892.5	913.8	909.8	846.7	680.0	211.4	81.3	72.2	36.6	29.5
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: P145776

CATALOG NUMBER: LDRL-SLL-F06-E-7050

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3
2.5°	1688.4	1689.4	1687.4	1689.4	1696.5	1696.5	1695.5	1697.5	1698.6	1704.7	1702.6
5°	1739.2	1740.2	1741.2	1748.4	1753.4	1759.5	1757.5	1759.5	1763.6	1764.6	1766.7
7.5°	1786.0	1792.1	1800.2	1803.3	1812.4	1814.4	1823.6	1824.6	1826.6	1822.6	1818.5
10°	1818.5	1824.6	1834.8	1839.8	1856.1	1858.1	1865.3	1867.3	1871.4	1868.3	1865.3
12.5°	1834.8	1839.8	1851.0	1861.2	1883.6	1890.7	1902.9	1910.0	1915.1	1912.0	1901.9
15°	1868.3	1867.3	1873.4	1881.5	1901.9	1915.1	1932.3	1941.5	1947.6	1942.5	1929.3
17.5°	1945.6	1931.3	1931.3	1926.2	1941.5	1944.5	1951.7	1956.7	1954.7	1939.5	1918.1
20°	2052.3	2030.9	2017.7	2005.5	2000.5	1975.0	1961.8	1943.5	1927.3	1899.8	1875.4
22.5°	2190.5	2175.3	2144.8	2117.4	2078.7	2026.9	1971.0	1923.2	1887.6	1850.0	1808.3
25°	2399.9	2365.4	2321.7	2256.6	2206.8	2115.3	2021.8	1931.3	1855.1	1796.1	1726.0
27.5°	2597.1	2523.9	2441.6	2340.0	2248.5	2126.5	2007.6	1902.9	1803.3	1708.7	1628.4
30°	2761.8	2634.7	2500.6	2358.3	2228.1	2080.8	1942.5	1823.6	1710.8	1598.9	1522.7
32.5°	2885.8	2702.8	2523.9	2342.0	2181.4	2008.6	1850.0	1723.0	1594.9	1477.0	1388.5
35°	2997.6	2750.6	2516.8	2298.3	2108.2	1917.1	1746.3	1604.0	1463.7	1337.7	1236.1
37.5°	3077.9	2766.9	2486.3	2235.3	2014.7	1805.3	1620.3	1468.8	1318.4	1190.3	1078.5
40°	3139.9	2758.8	2428.4	2138.7	1886.6	1669.1	1488.1	1329.6	1179.1	1051.1	934.2
42.5°	3181.6	2728.3	2341.0	2028.9	1779.9	1552.2	1375.3	1208.6	1058.2	924.0	794.9
45°	3235.5	2716.1	2287.1	1946.6	1683.3	1453.6	1264.5	1101.9	945.3	805.1	682.1
47.5°	3286.3	2708.9	2243.4	1878.5	1595.9	1364.1	1177.1	1006.3	848.8	711.5	599.7
50°	3316.8	2697.8	2197.7	1796.1	1498.3	1272.6	1093.7	920.9	762.4	631.2	531.6
52.5°	3326.0	2675.4	2137.7	1702.6	1413.9	1194.4	1008.4	835.6	683.1	565.2	472.7
55°	3318.8	2631.7	2056.4	1626.4	1327.5	1108.0	922.0	754.2	616.0	505.2	431.0
57.5°	3284.3	2544.3	1951.7	1529.8	1228.9	999.2	816.2	662.8	539.8	451.3	394.4
60°	3207.0	2418.2	1823.6	1394.6	1087.6	870.1	697.3	565.2	461.5	397.4	359.8
62.5°	3038.3	2236.3	1637.6	1203.5	898.6	698.3	547.9	450.3	380.2	346.6	324.3
63°	2988.5	2173.3	1582.7	1152.7	866.1	659.7	514.3	425.9	362.9	335.4	317.1
65°	2726.2	1882.5	1337.7	927.0	670.9	500.1	392.4	334.4	300.9	290.7	285.6
67.5°	2234.2	1464.8	941.3	622.1	450.3	345.6	289.7	267.3	255.1	254.1	257.2
70°	1578.6	971.8	582.4	398.5	310.0	261.2	239.9	229.7	223.6	225.7	231.8
72.5°	1026.7	570.3	368.0	291.7	252.1	229.7	214.5	211.4	209.4	207.4	209.4
75°	542.8	356.8	278.5	244.0	220.6	202.3	192.1	188.1	189.1	189.1	189.1
77.5°	336.5	271.4	237.9	215.5	197.2	178.9	168.7	165.7	166.7	168.7	169.8
80°	258.2	236.8	209.4	193.1	166.7	151.5	146.4	145.4	147.4	147.4	150.4
82.5°	189.1	183.0	172.8	152.5	132.1	122.0	121.0	125.0	121.0	119.9	122.0
85°	110.8	103.7	112.8	96.6	88.4	82.3	86.4	94.5	98.6	93.5	91.5
87.5°	35.6	24.4	35.6	39.6	35.6	30.5	38.6	45.7	46.8	44.7	50.8
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: P145776

CATALOG NUMBER: LDRL-SLL-F06-E-7050

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3
2.5°	1701.6	1708.7	1701.6	1704.7	1703.6	1701.6	1704.7	1700.6	1698.6	1704.7	1703.6
5°	1765.6	1766.7	1757.5	1758.5	1757.5	1749.4	1749.4	1745.3	1740.2	1741.2	1739.2
7.5°	1817.5	1815.5	1808.3	1805.3	1796.1	1790.0	1786.0	1779.9	1775.8	1771.7	1769.7
10°	1857.1	1852.0	1847.0	1837.8	1828.7	1823.6	1812.4	1803.3	1800.2	1794.1	1790.0
12.5°	1891.7	1882.5	1874.4	1863.2	1852.0	1843.9	1830.7	1823.6	1818.5	1810.4	1804.3
15°	1911.0	1893.7	1878.5	1861.2	1849.0	1836.8	1821.6	1818.5	1811.4	1803.3	1792.1
17.5°	1887.6	1863.2	1834.8	1816.5	1798.2	1779.9	1764.6	1764.6	1761.6	1752.4	1733.1
20°	1839.8	1803.3	1769.7	1740.2	1721.9	1695.5	1686.4	1672.1	1662.0	1645.7	1621.3
22.5°	1761.6	1723.0	1679.2	1649.8	1618.3	1588.8	1570.5	1548.1	1540.0	1513.6	1481.0
25°	1674.2	1618.3	1571.5	1532.9	1489.2	1454.6	1429.2	1398.7	1378.4	1352.9	1312.3
27.5°	1570.5	1512.5	1459.7	1417.0	1371.2	1323.5	1276.7	1241.1	1204.5	1175.1	1151.7
30°	1458.7	1398.7	1333.6	1283.8	1231.0	1171.0	1132.4	1084.6	1056.1	1023.6	993.1
32.5°	1312.3	1259.4	1183.2	1125.3	1060.2	1013.4	981.9	936.2	902.6	875.2	857.9
35°	1151.7	1072.4	996.2	952.5	907.7	870.1	826.4	790.8	768.5	740.0	724.8
37.5°	976.8	884.3	819.3	780.7	734.9	716.6	689.2	667.8	647.5	628.2	616.0
40°	820.3	734.9	676.0	643.4	612.9	592.6	575.3	566.2	553.0	537.7	528.6
42.5°	690.2	622.1	564.2	533.7	510.3	508.2	497.1	489.9	484.9	475.7	461.5
45°	588.5	526.5	476.7	452.3	442.2	443.2	443.2	437.1	437.1	434.0	424.9
47.5°	520.4	464.5	427.9	411.7	407.6	408.6	405.6	403.5	404.6	403.5	398.5
50°	467.6	419.8	389.3	383.2	382.2	381.2	377.1	374.1	373.1	375.1	374.1
52.5°	413.7	374.1	356.8	354.8	355.8	355.8	354.8	353.7	355.8	357.8	354.8
55°	383.2	354.8	343.6	343.6	343.6	343.6	342.6	341.5	344.6	347.6	342.6
57.5°	354.8	334.4	330.4	330.4	330.4	328.3	328.3	329.3	333.4	339.5	333.4
60°	333.4	323.2	323.2	324.3	323.2	319.2	316.1	316.1	321.2	329.3	324.3
62.5°	313.1	308.0	310.0	309.0	307.0	301.9	297.8	297.8	303.9	312.1	314.1
63°	308.0	303.9	306.0	304.9	302.9	298.8	294.8	294.8	299.9	308.0	311.0
65°	285.6	286.7	287.7	288.7	287.7	286.7	281.6	279.5	283.6	289.7	293.8
67.5°	259.2	261.2	263.3	268.4	266.3	266.3	263.3	261.2	262.3	265.3	268.4
70°	234.8	236.8	239.9	241.9	242.9	244.0	241.9	238.9	239.9	240.9	242.9
72.5°	211.4	213.5	215.5	219.6	219.6	219.6	217.5	215.5	216.5	218.5	220.6
75°	190.1	191.1	193.1	196.2	197.2	195.2	195.2	193.1	194.1	197.2	199.2
77.5°	168.7	166.7	167.7	169.8	172.8	172.8	173.8	172.8	174.8	176.9	178.9
80°	144.3	142.3	140.3	141.3	145.4	150.4	155.5	155.5	158.6	159.6	162.6
82.5°	114.9	112.8	111.8	114.9	113.8	121.0	132.1	138.2	142.3	146.4	148.4
85°	89.5	84.4	86.4	86.4	84.4	95.6	105.7	113.8	114.9	121.0	122.0
87.5°	52.9	50.8	48.8	46.8	53.9	65.1	74.2	77.3	79.3	82.3	85.4
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: P145776

CATALOG NUMBER: LDRL-SLL-F06-E-7050

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3
2.5°	1695.5	1703.6	1701.6	1700.6	1701.6	1700.6	1697.5	1698.6	1696.5	1697.5	1695.5
5°	1728.0	1732.1	1729.1	1724.0	1724.0	1716.9	1711.8	1707.7	1702.6	1700.6	1696.5
7.5°	1759.5	1756.5	1752.4	1743.3	1738.2	1729.1	1721.9	1713.8	1708.7	1702.6	1695.5
10°	1778.9	1772.8	1764.6	1753.4	1739.2	1731.1	1720.9	1708.7	1702.6	1699.6	1692.5
12.5°	1788.0	1771.7	1758.5	1738.2	1717.9	1702.6	1691.4	1679.2	1676.2	1672.1	1667.0
15°	1766.7	1743.3	1709.7	1682.3	1655.9	1634.5	1625.4	1612.2	1609.1	1608.1	1607.1
17.5°	1694.5	1658.9	1626.4	1589.8	1566.4	1547.1	1539.0	1535.9	1530.8	1528.8	1529.8
20°	1578.6	1548.1	1515.6	1503.4	1475.9	1470.9	1458.7	1450.5	1441.4	1438.3	1433.3
22.5°	1443.4	1405.8	1385.5	1376.3	1365.1	1338.7	1332.6	1324.5	1312.3	1303.1	1301.1
25°	1285.9	1255.4	1254.3	1233.0	1223.9	1209.6	1193.4	1183.2	1176.1	1164.9	1156.8
27.5°	1125.3	1114.1	1094.8	1078.5	1072.4	1064.3	1039.9	1034.8	1026.7	1017.5	1008.4
30°	975.8	967.7	949.4	934.2	925.0	908.7	885.4	887.4	871.1	858.9	850.8
32.5°	830.5	824.4	807.1	803.0	773.5	765.4	741.0	722.7	706.5	694.3	684.1
35°	699.3	683.1	684.1	665.8	649.5	625.1	599.7	576.4	563.1	557.0	547.9
37.5°	604.8	589.6	574.3	554.0	535.7	518.4	503.2	496.0	487.9	489.9	491.0
40°	519.4	508.2	497.1	482.8	471.7	464.5	460.5	460.5	461.5	466.6	470.6
42.5°	458.4	449.3	443.2	438.1	440.1	440.1	443.2	448.3	453.4	460.5	464.5
45°	417.8	412.7	410.7	412.7	418.8	423.9	431.0	439.1	447.3	454.4	457.4
47.5°	393.4	390.3	390.3	395.4	404.6	412.7	423.9	432.0	441.2	447.3	449.3
50°	367.0	365.9	365.9	370.0	378.1	388.3	399.5	407.6	415.7	420.8	422.9
52.5°	351.7	348.7	347.6	352.7	359.8	370.0	381.2	389.3	395.4	399.5	400.5
55°	338.5	335.4	333.4	339.5	347.6	356.8	370.0	379.2	385.2	390.3	394.4
57.5°	327.3	324.3	322.2	329.3	337.5	348.7	359.8	370.0	378.1	384.2	388.3
60°	318.2	314.1	312.1	320.2	328.3	339.5	350.7	361.9	373.1	380.2	382.2
62.5°	307.0	303.9	300.9	306.0	310.0	318.2	328.3	339.5	349.7	356.8	356.8
63°	303.9	302.9	298.8	302.9	307.0	314.1	324.3	334.4	344.6	352.7	351.7
65°	290.7	290.7	288.7	292.7	296.8	303.9	312.1	323.2	332.4	338.5	339.5
67.5°	269.4	270.4	272.4	276.5	284.6	291.7	300.9	311.0	319.2	323.2	325.3
70°	245.0	247.0	251.1	257.2	264.3	270.4	276.5	286.7	293.8	297.8	299.9
72.5°	221.6	226.7	229.7	234.8	238.9	245.0	250.1	260.2	266.3	269.4	274.5
75°	200.2	204.3	206.3	209.4	213.5	215.5	221.6	225.7	233.8	237.9	244.0
77.5°	179.9	182.0	185.0	190.1	191.1	194.1	196.2	202.3	206.3	210.4	215.5
80°	161.6	163.7	167.7	170.8	171.8	173.8	174.8	173.8	172.8	169.8	173.8
82.5°	145.4	147.4	152.5	155.5	158.6	158.6	157.6	146.4	141.3	143.3	146.4
85°	119.9	122.0	127.1	133.2	134.2	133.2	134.2	123.0	115.9	112.8	115.9
87.5°	75.2	73.2	90.5	98.6	92.5	94.5	95.6	89.5	83.4	71.2	74.2
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: P145776  
 CATALOG NUMBER: LDRL-SLL-F06-E-7050

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	0°
2.5°	1697.5	1690.4	1691.4	1693.5	1693.5	1696.5	1692.5	1687.4	1690.4	1685.3	1684.3	2.5°
5°	1696.5	1687.4	1687.4	1689.4	1687.4	1689.4	1686.4	1681.3	1684.3	1678.2	1677.2	5°
7.5°	1692.5	1687.4	1689.4	1691.4	1688.4	1689.4	1688.4	1681.3	1682.3	1679.2	1672.1	7.5°
10°	1690.4	1687.4	1691.4	1697.5	1697.5	1698.6	1695.5	1687.4	1682.3	1679.2	1673.1	10°
12.5°	1669.1	1673.1	1681.3	1695.5	1700.6	1708.7	1712.8	1708.7	1710.8	1706.7	1704.7	12.5°
15°	1608.1	1618.3	1631.5	1652.8	1668.1	1686.4	1708.7	1718.9	1738.2	1753.4	1763.6	15°
17.5°	1534.9	1542.0	1556.2	1580.6	1600.0	1636.6	1667.0	1701.6	1739.2	1779.9	1815.5	17.5°
20°	1444.4	1439.4	1461.7	1488.1	1521.7	1562.3	1607.1	1658.9	1720.9	1786.0	1848.0	20°
22.5°	1311.3	1311.3	1334.7	1366.2	1406.8	1453.6	1515.6	1571.5	1652.8	1747.3	1838.8	22.5°
25°	1158.8	1161.8	1178.1	1213.7	1242.2	1309.2	1367.2	1439.4	1536.9	1640.6	1762.6	25°
27.5°	996.2	1016.5	1012.4	1050.0	1087.6	1153.7	1233.0	1306.2	1415.0	1525.8	1665.0	27.5°
30°	848.8	845.7	844.7	889.4	927.0	987.0	1052.1	1144.6	1254.3	1396.7	1557.3	30°
32.5°	665.8	677.0	685.1	711.5	752.2	808.1	878.2	974.8	1107.0	1250.3	1431.2	32.5°
35°	549.9	553.0	564.2	579.4	615.0	661.7	734.9	820.3	936.2	1084.6	1276.7	35°
37.5°	493.0	496.0	508.2	522.5	547.9	582.4	632.3	698.3	805.1	943.3	1122.2	37.5°
40°	474.7	477.8	484.9	498.1	521.5	550.9	590.6	641.4	718.7	826.4	982.9	40°
42.5°	466.6	466.6	467.6	477.8	501.1	535.7	578.4	624.1	681.0	762.4	889.4	42.5°
45°	457.4	457.4	456.4	463.5	481.8	521.5	573.3	629.2	691.2	761.4	861.0	45°
47.5°	449.3	447.3	445.2	448.3	463.5	504.2	564.2	632.3	711.5	799.0	899.6	47.5°
50°	420.8	420.8	419.8	420.8	435.1	477.8	546.9	629.2	729.8	842.7	964.6	50°
52.5°	400.5	401.5	402.5	402.5	413.7	457.4	533.7	630.2	750.2	885.4	1039.9	52.5°
55°	395.4	397.4	397.4	395.4	404.6	444.2	521.5	627.2	764.4	933.1	1120.2	55°
57.5°	389.3	390.3	391.3	389.3	395.4	430.0	504.2	612.9	760.3	951.4	1180.1	57.5°
60°	381.2	377.1	376.1	373.1	377.1	404.6	473.7	582.4	735.9	943.3	1200.5	60°
62.5°	358.8	355.8	352.7	349.7	352.7	373.1	440.1	544.8	695.3	910.8	1184.2	62.5°
63°	353.7	351.7	348.7	345.6	345.6	368.0	429.0	535.7	685.1	901.6	1178.1	63°
65°	339.5	338.5	336.5	333.4	332.4	349.7	403.5	494.0	637.3	861.0	1139.5	65°
67.5°	323.2	323.2	322.2	318.2	313.1	323.2	360.9	432.0	554.0	756.3	1043.9	67.5°
70°	299.9	299.9	298.8	296.8	290.7	297.8	322.2	369.0	456.4	618.0	875.2	70°
72.5°	276.5	276.5	279.5	278.5	279.5	280.6	292.7	318.2	371.0	480.8	661.7	72.5°
75°	246.0	251.1	252.1	254.1	255.1	254.1	260.2	275.5	306.0	369.0	482.8	75°
77.5°	220.6	227.7	226.7	224.6	223.6	224.6	223.6	230.7	253.1	292.7	357.8	77.5°
80°	182.0	189.1	189.1	188.1	186.0	188.1	186.0	193.1	211.4	246.0	284.6	80°
82.5°	149.4	154.5	157.6	159.6	157.6	165.7	165.7	163.7	177.9	208.4	239.9	82.5°
85°	119.9	125.0	128.1	132.1	134.2	132.1	131.1	129.1	137.2	161.6	183.0	85°
87.5°	76.2	80.3	80.3	81.3	81.3	84.4	78.3	71.2	65.1	92.5	96.6	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: P145776

NUMBER: LDRL-SLL-F06-E-7050

**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
1681.3	1681.3	1681.3	1681.3	1681.3	1681.3	1681.3
1681.3	1681.3	1682.3	1679.2	1682.3	1682.3	1679.2
1674.2	1672.1	1672.1	1671.1	1673.1	1672.1	1671.1
1668.1	1668.1	1664.0	1660.9	1659.9	1664.0	1662.0
1666.0	1664.0	1663.0	1660.9	1662.0	1665.0	1667.0
1702.6	1695.5	1697.5	1696.5	1697.5	1700.6	1706.7
1769.7	1769.7	1774.8	1763.6	1768.7	1773.8	1781.9
1844.9	1863.2	1872.4	1871.4	1873.4	1877.5	1886.6
1909.0	1966.9	2007.6	2017.7	2045.2	2051.3	2037.0
1937.4	2041.1	2132.6	2193.6	2261.7	2289.1	2297.3
1879.5	2028.9	2179.4	2319.6	2453.8	2531.1	2599.2
1819.5	1996.4	2196.6	2406.0	2624.6	2821.8	2969.2
1736.2	1970.0	2240.3	2522.9	2812.6	3087.1	3333.1
1644.7	1927.3	2244.4	2588.0	2945.8	3287.3	3585.2
1513.6	1827.7	2179.4	2577.8	2992.5	3420.5	3792.5
1363.1	1669.1	2063.5	2518.9	2989.5	3488.6	3934.8
1202.5	1515.6	1930.3	2418.2	2949.9	3509.9	4034.5
1081.5	1391.6	1798.2	2322.7	2890.9	3495.7	4082.2
1019.5	1284.8	1690.4	2229.2	2824.8	3461.2	4102.6
1031.7	1256.4	1626.4	2151.9	2765.9	3423.5	4097.5
1099.8	1299.1	1625.4	2123.4	2728.3	3389.0	4083.2
1202.5	1395.6	1684.3	2157.0	2748.6	3385.9	4082.2
1318.4	1530.8	1826.6	2247.5	2835.0	3440.8	4106.6
1430.2	1695.5	2009.6	2449.7	2998.6	3578.0	4205.2
1496.3	1845.9	2244.4	2735.4	3250.7	3819.0	4421.7
1511.5	1936.4	2452.8	3015.9	3596.3	4167.6	4759.2
1510.5	1945.6	2488.4	3073.9	3666.5	4247.9	4845.6
1487.1	1963.9	2583.9	3265.0	3948.1	4592.5	5206.5
1413.9	1931.3	2636.8	3442.9	4227.6	4972.7	5749.3
1246.2	1782.9	2574.8	3500.8	4394.3	5224.8	6111.1
975.8	1470.9	2223.1	3199.9	4168.6	4999.1	6120.3
686.1	1039.9	1710.8	2627.6	3407.3	4224.5	5466.7
477.8	673.9	1111.0	1767.7	2458.9	3082.0	4063.9
349.7	448.3	665.8	1057.2	1492.2	1926.2	2521.9
269.4	323.2	425.9	638.4	842.7	1078.5	1520.7
189.1	213.5	263.3	394.4	565.2	771.5	1114.1
82.3	96.6	127.1	232.8	382.2	368.0	350.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

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