

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: P145773

Luminaire Tested: **LDRL-SLL-F06-E-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P145773  
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-8030  
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (42) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11259.7 lumens  
Efficiency: N/A  
Efficacy: 71.9 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

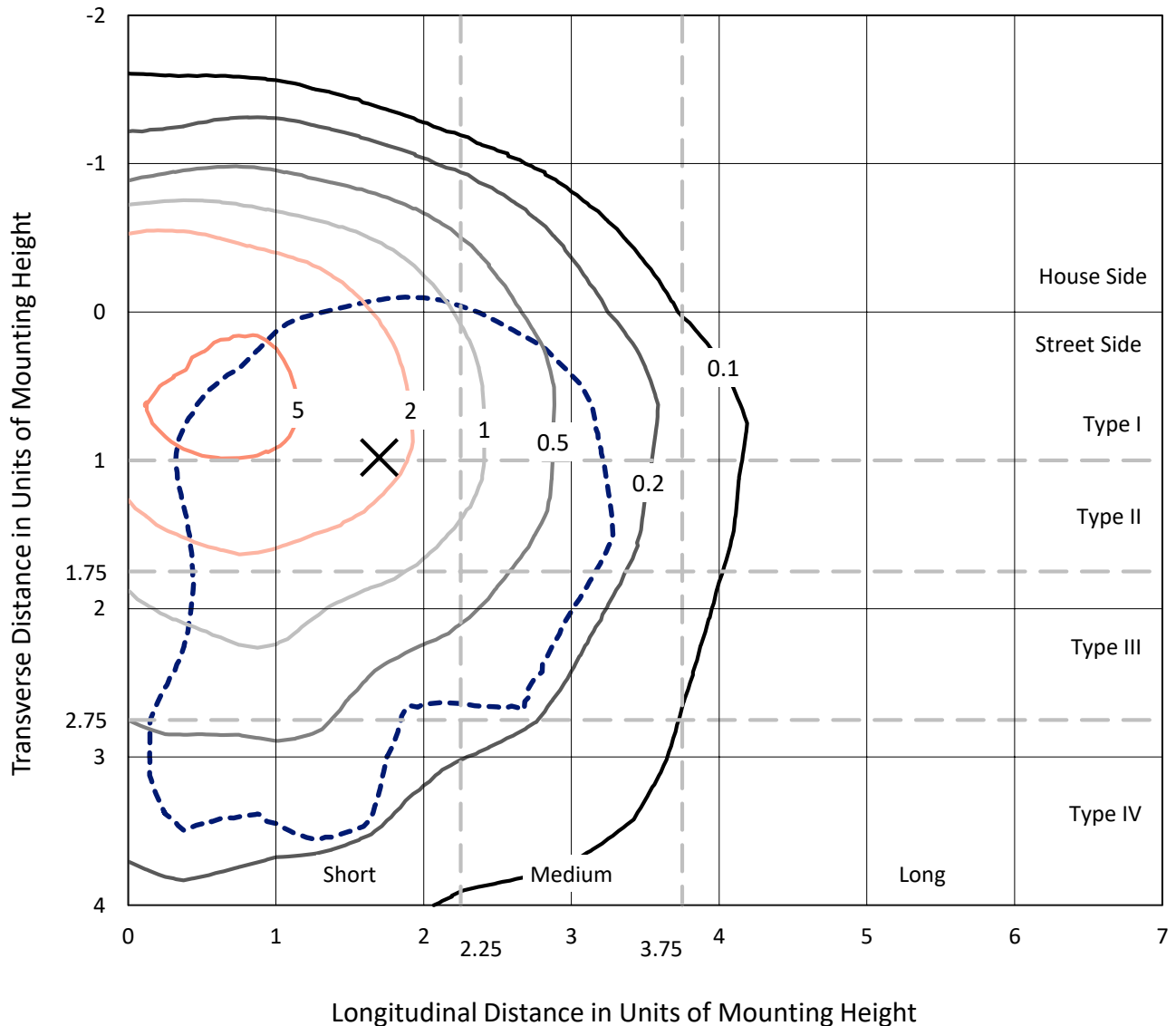
Input Watts (W): 156.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

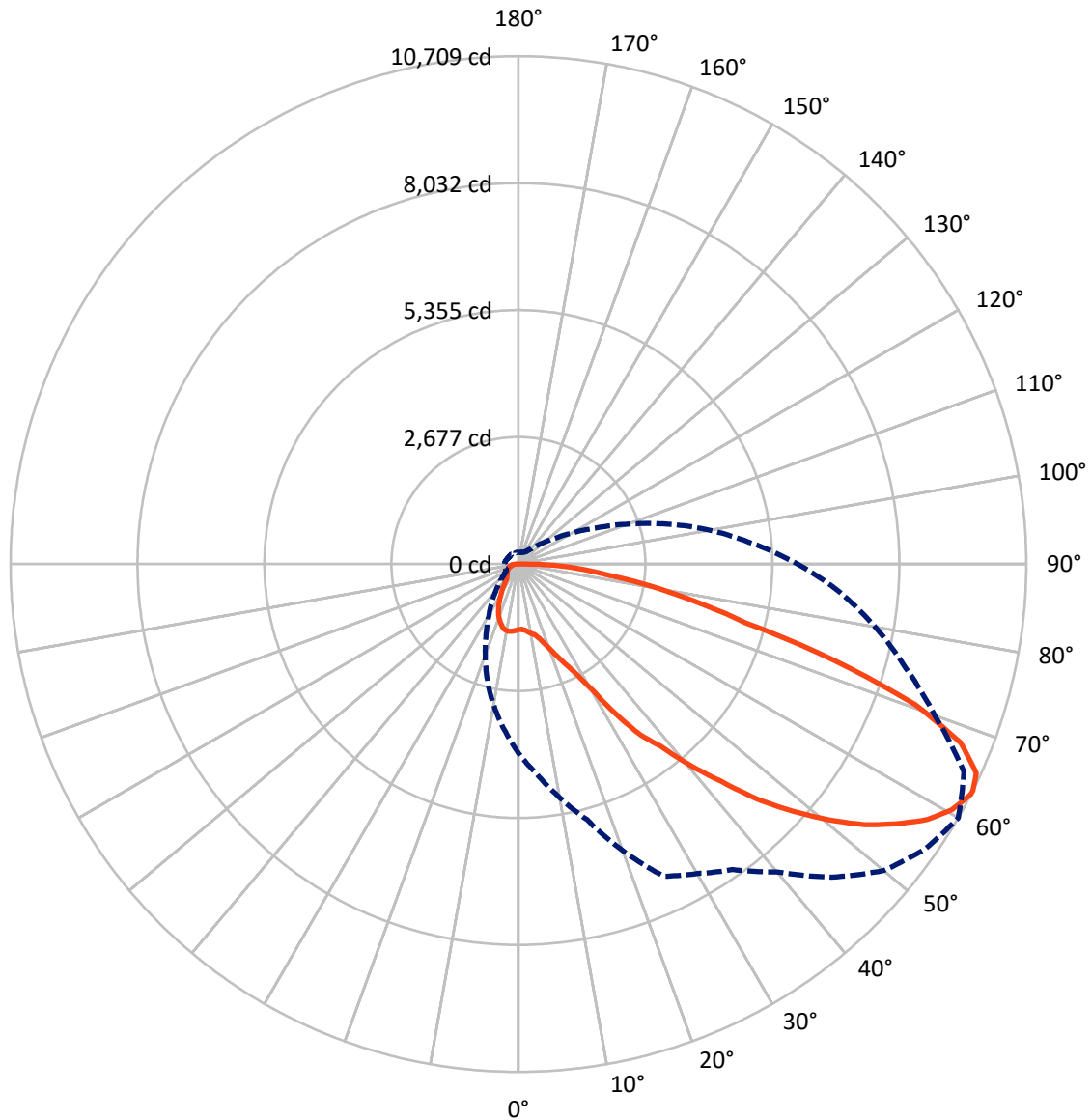
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7 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
<b>House Side</b>	Lumens	2357.0	0.0	2357.0
	% Fixture	20.9	0.0	20.9
<b>Street Side</b>	Lumens	8902.7	0.0	8902.7
	% Fixture	79.1	0.0	79.1
<b>Total</b>	Lumens	11259.7	0.0	11259.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.8	1.2
10°-20°	423.9	3.8
20°-30°	749.6	6.7
30°-40°	1183.4	10.5
40°-50°	1740.2	15.5
50°-60°	2292.3	20.4
60°-70°	2555.0	22.7
70°-80°	1678.7	14.9
80°-90°	500.6	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°	11259.7	100.0
0°-180°	11259.7	100.0



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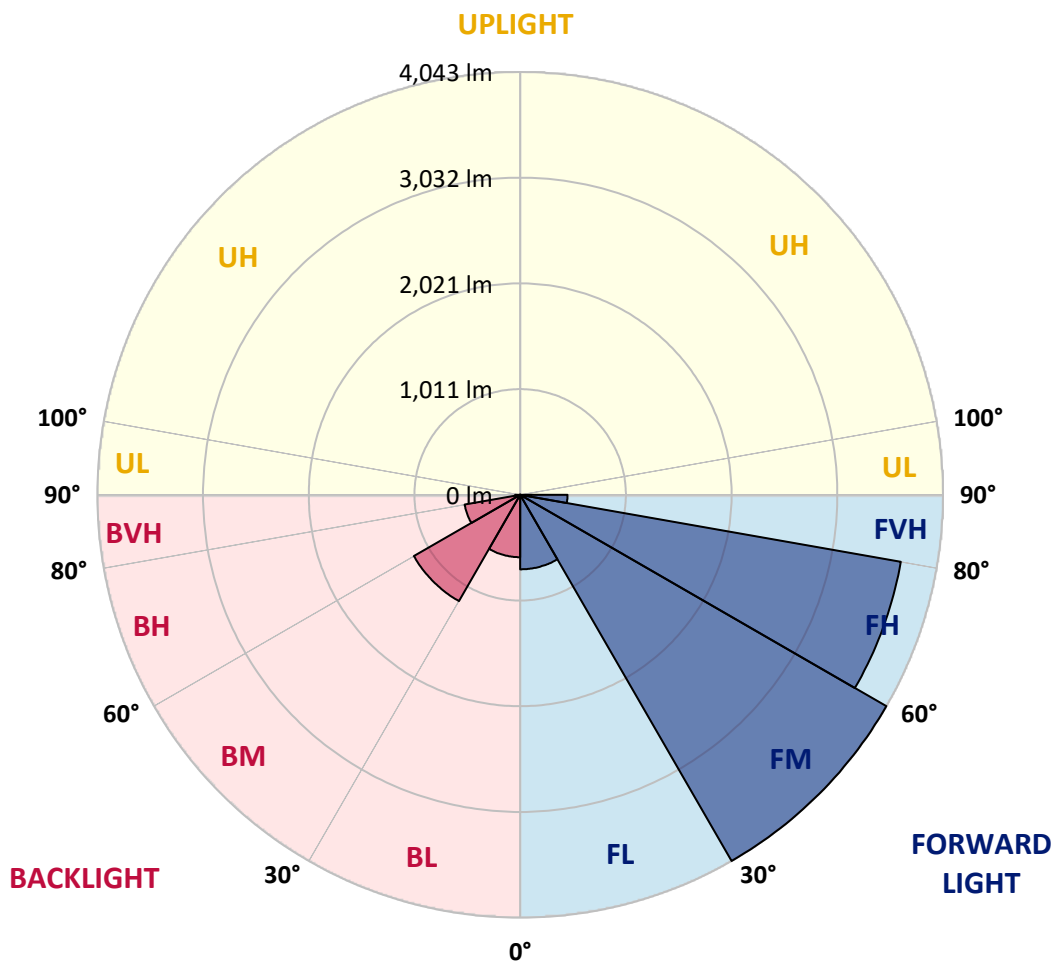
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	712.7	6.3			
FM	(30°-60°)	4042.5	35.9			
FH	(60°-80°)	3695.1	32.8			G2/5000
FVH	(80°-90°)	452.4	4.0			G3/500
BL	(0°-30°)	596.7	5.3	B2/1000		
BM	(30°-60°)	1173.5	10.4	B2/2500		
BH	(60°-80°)	538.7	4.8	B2/1000		G2/1000
BVH	(80°-90°)	48.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9
2.5°	1381.2	1382.0	1379.5	1378.7	1377.0	1377.9	1377.9	1376.2	1376.2	1377.0	1374.5
5°	1374.5	1376.2	1375.4	1377.0	1378.7	1381.2	1383.7	1386.2	1388.7	1392.1	1392.9
7.5°	1367.0	1372.0	1372.8	1377.9	1383.7	1390.4	1398.8	1408.0	1420.5	1423.8	1431.4
10°	1371.2	1380.4	1385.4	1395.4	1404.6	1417.2	1432.2	1441.4	1457.3	1463.1	1474.0
12.5°	1403.8	1410.5	1417.2	1428.9	1442.2	1458.1	1474.8	1489.1	1505.8	1511.6	1515.8
15°	1465.7	1472.3	1479.9	1491.6	1505.8	1525.0	1549.3	1566.8	1586.9	1601.9	1612.8
17.5°	1551.8	1551.8	1569.3	1572.7	1600.3	1629.5	1659.6	1693.9	1714.8	1727.3	1747.4
20°	1675.5	1675.5	1698.9	1709.8	1733.2	1770.8	1811.8	1849.4	1879.5	1904.6	1923.0
22.5°	1889.5	1880.3	1900.4	1897.9	1926.3	1982.4	2022.5	2043.4	2083.5	2098.6	2122.8
25°	2137.9	2170.5	2192.2	2192.2	2203.9	2261.6	2295.0	2310.9	2347.7	2336.9	2361.9
27.5°	2442.2	2530.0	2611.1	2644.5	2628.6	2692.2	2703.9	2718.9	2714.8	2688.8	2681.3
30°	2741.5	2896.2	3022.4	3099.4	3188.0	3310.9	3310.9	3331.0	3287.5	3215.6	3172.9
32.5°	2948.9	3147.9	3341.0	3500.7	3651.2	3839.3	3918.7	4029.1	4047.5	4075.1	3979.8
35°	3119.4	3398.7	3606.0	3846.0	4029.9	4220.5	4432.1	4623.5	4750.6	4729.7	4692.1
37.5°	3236.5	3595.2	3884.4	4166.2	4446.3	4664.5	4865.2	5115.2	5358.5	5406.9	5304.9
40°	3318.4	3733.9	4131.9	4478.1	4830.0	5157.8	5401.9	5670.3	6051.6	6212.9	6129.3
42.5°	3357.7	3842.6	4286.6	4727.2	5172.8	5586.7	5892.7	6260.6	6712.9	6988.8	6896.8
45°	3374.4	3909.5	4412.0	4913.7	5448.8	5959.6	6354.2	6771.4	7280.6	7723.7	7740.5
47.5°	3370.2	3945.5	4498.1	5046.6	5665.3	6259.8	6789.0	7262.2	7839.1	8304.8	8477.9
50°	3358.5	3958.0	4550.0	5126.9	5801.6	6479.6	7075.8	7638.5	8283.1	8872.5	9135.9
52.5°	3357.7	3960.5	4575.9	5171.2	5881.8	6614.2	7255.5	7920.2	8626.7	9242.9	9653.4
55°	3377.8	3975.6	4604.3	5202.1	5925.3	6690.3	7356.7	8096.6	8776.4	9476.2	10006.2
57.5°	3458.9	4045.8	4672.0	5254.8	5973.8	6750.5	7435.3	8147.6	8820.7	9573.1	10211.1
60°	3637.0	4177.1	4789.9	5351.8	6100.1	6908.6	7509.7	8075.7	8737.1	9545.6	10240.3
62.5°	3914.5	4387.8	4954.6	5530.7	6356.7	7208.7	7540.6	7911.0	8530.6	9386.7	10114.1
63°	3985.6	4443.8	4998.1	5580.0	6431.1	7265.6	7538.1	7867.5	8473.7	9339.9	10057.2
65°	4282.4	4703.0	5200.4	5815.8	6769.8	7446.2	7447.0	7611.7	8183.6	9081.5	9824.0
67.5°	4728.9	5130.2	5514.8	6126.8	7144.3	7536.4	7176.9	7052.4	7558.2	8534.7	9232.0
70°	5026.5	5522.3	5738.0	6208.7	7195.3	7426.9	6749.7	6334.2	6753.9	7569.9	8189.4
72.5°	5034.1	5599.2	5662.0	5859.3	6717.9	6903.5	6013.9	5451.3	5703.8	6388.5	6714.6
75°	4496.5	5207.1	5078.4	5005.6	5470.5	5549.9	4864.3	4630.2	4953.8	5358.5	5195.4
77.5°	3342.7	4287.4	4025.7	3716.4	3885.3	3897.0	3918.7	4360.2	4757.3	4922.9	4685.4
80°	2074.3	3149.5	2948.9	2438.9	2504.1	2696.4	3273.3	4053.3	4488.1	4606.8	4131.9
82.5°	1250.8	2316.8	2209.8	1861.1	1943.1	2422.1	3060.1	3275.8	3422.1	3411.2	2920.4
85°	916.3	1573.5	1719.0	1744.9	2035.9	2351.9	2338.5	2178.8	2089.4	1838.5	1569.3
87.5°	288.4	811.8	963.2	1122.9	1229.9	1163.8	1144.6	989.1	708.2	598.6	658.0
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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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9
2.5°	1374.5	1377.9	1379.5	1378.7	1379.5	1379.5	1384.6	1382.9	1384.6	1383.7	1388.7
5°	1395.4	1400.4	1404.6	1404.6	1405.5	1407.1	1413.8	1413.8	1417.2	1423.8	1427.2
7.5°	1436.4	1443.1	1443.9	1445.6	1450.6	1448.1	1452.3	1453.9	1456.5	1459.8	1464.0
10°	1479.0	1488.2	1488.2	1487.4	1488.2	1481.5	1484.0	1479.0	1479.9	1484.9	1489.9
12.5°	1526.7	1531.7	1528.4	1525.9	1525.9	1513.3	1511.6	1504.9	1501.6	1502.4	1504.1
15°	1622.0	1617.8	1617.0	1612.8	1597.8	1588.6	1581.9	1561.0	1550.1	1544.2	1534.2
17.5°	1749.1	1751.6	1747.4	1743.2	1721.5	1690.6	1677.2	1654.6	1639.6	1624.5	1606.1
20°	1934.7	1918.0	1916.3	1902.9	1872.8	1829.3	1796.7	1760.0	1739.1	1717.3	1698.1
22.5°	2139.5	2122.0	2110.3	2084.4	2040.0	1984.9	1930.5	1883.7	1851.9	1836.0	1822.7
25°	2367.0	2356.9	2337.7	2271.6	2236.5	2173.0	2113.6	2067.6	2031.7	2018.3	1994.9
27.5°	2639.5	2647.0	2611.1	2549.2	2504.9	2415.4	2364.4	2285.0	2254.9	2206.4	2176.3
30°	3136.1	3087.7	3026.6	2932.1	2842.7	2722.3	2637.8	2555.1	2510.8	2445.5	2365.3
32.5°	3948.0	3763.2	3599.3	3398.7	3208.9	3055.0	2933.0	2828.5	2760.7	2652.9	2516.6
35°	4602.6	4424.5	4153.7	3861.9	3612.7	3415.4	3261.6	3162.9	3027.5	2855.2	2657.9
37.5°	5082.5	4877.7	4624.4	4401.1	4129.4	3909.5	3701.3	3496.5	3305.9	3045.0	2793.4
40°	5861.8	5584.2	5167.0	4903.6	4681.2	4383.6	4188.8	3912.9	3622.7	3286.6	2922.1
42.5°	6632.6	6264.8	5886.9	5584.2	5268.2	4945.4	4677.9	4307.5	3922.1	3486.5	3037.5
45°	7528.1	7077.4	6583.3	6160.3	5835.9	5456.3	5113.5	4658.7	4167.0	3650.3	3137.8
47.5°	8233.7	7787.3	7229.6	6803.2	6365.9	5937.9	5493.1	4932.1	4349.3	3784.1	3231.5
50°	8910.1	8479.6	7886.8	7363.4	6860.9	6344.2	5806.6	5126.0	4492.3	3888.6	3305.9
52.5°	9517.1	9134.2	8493.8	7868.4	7306.5	6711.2	6044.9	5307.5	4629.4	3996.5	3364.4
55°	10031.3	9672.6	9098.3	8319.9	7681.9	7023.1	6269.8	5473.0	4774.0	4109.3	3407.0
57.5°	10376.6	10169.3	9555.6	8717.0	7990.4	7289.0	6439.5	5639.4	4909.5	4179.6	3425.4
60°	10537.1	10509.6	9990.4	9075.7	8264.7	7496.3	6653.5	5815.8	4998.9	4211.3	3399.5
62.5°	10503.7	10701.0	10321.4	9321.5	8439.4	7625.9	6790.7	5891.9	4976.4	4134.4	3285.0
63°	10472.8	10709.4	10368.3	9345.7	8453.6	7638.5	6804.0	5882.7	4955.5	4100.1	3245.7
65°	10246.2	10610.7	10380.0	9302.3	8388.4	7602.5	6743.8	5738.0	4747.3	3884.4	3023.3
67.5°	9691.0	10056.4	9928.5	8823.2	7966.2	7216.2	6323.3	5245.6	4237.3	3426.3	2611.1
70°	8544.8	8871.7	8718.7	7746.3	6950.4	6418.6	5570.0	4362.7	3452.2	2754.1	1987.4
72.5°	6758.9	6988.8	7022.3	6249.7	5640.2	5320.8	4487.3	3290.8	2521.6	1918.0	1290.1
75°	5004.8	4951.3	4962.2	4530.7	4282.4	4147.8	3354.4	2257.4	1698.9	1172.2	765.0
77.5°	4206.3	3821.7	3494.0	3374.4	3085.1	3001.5	2212.3	1385.4	991.6	701.5	435.6
80°	3420.4	2837.7	2361.1	2149.6	2036.7	2053.4	1224.0	738.3	519.2	382.1	272.6
82.5°	2338.5	1895.4	1494.9	1298.4	1278.4	1297.6	636.3	362.0	274.2	219.9	171.4
85°	1382.9	1301.8	1162.2	1031.7	986.6	931.4	473.2	259.2	141.3	117.1	96.1
87.5°	597.8	734.1	751.6	748.3	696.5	559.3	173.9	66.9	59.4	30.1	24.2
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°	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9
2.5°	1388.7	1389.6	1387.9	1389.6	1395.4	1395.4	1394.6	1396.3	1397.1	1402.1	1400.4
5°	1430.5	1431.4	1432.2	1438.1	1442.2	1447.3	1445.6	1447.3	1450.6	1451.4	1453.1
7.5°	1469.0	1474.0	1480.7	1483.2	1490.7	1492.4	1499.9	1500.8	1502.4	1499.1	1495.8
10°	1495.8	1500.8	1509.1	1513.3	1526.7	1528.4	1534.2	1535.9	1539.2	1536.7	1534.2
12.5°	1509.1	1513.3	1522.5	1530.9	1549.3	1555.1	1565.1	1571.0	1575.2	1572.7	1564.3
15°	1536.7	1535.9	1540.9	1547.6	1564.3	1575.2	1589.4	1596.9	1601.9	1597.8	1586.9
17.5°	1600.3	1588.6	1588.6	1584.4	1596.9	1599.4	1605.3	1609.5	1607.8	1595.2	1577.7
20°	1688.1	1670.5	1659.6	1649.6	1645.4	1624.5	1613.6	1598.6	1585.2	1562.6	1542.6
22.5°	1801.8	1789.2	1764.1	1741.6	1709.8	1667.1	1621.2	1581.9	1552.6	1521.7	1487.4
25°	1974.0	1945.6	1909.6	1856.1	1815.1	1739.9	1663.0	1588.6	1525.9	1477.4	1419.7
27.5°	2136.2	2076.0	2008.3	1924.7	1849.4	1749.1	1651.3	1565.1	1483.2	1405.5	1339.4
30°	2271.6	2167.1	2056.8	1939.7	1832.7	1711.5	1597.8	1499.9	1407.1	1315.2	1252.5
32.5°	2373.6	2223.1	2076.0	1926.3	1794.2	1652.1	1521.7	1417.2	1311.8	1214.8	1142.1
35°	2465.6	2262.4	2070.1	1890.4	1734.0	1576.9	1436.4	1319.3	1204.0	1100.3	1016.7
37.5°	2531.7	2275.8	2045.1	1838.5	1657.1	1484.9	1332.7	1208.1	1084.4	979.1	887.1
40°	2582.7	2269.1	1997.4	1759.1	1551.8	1372.8	1224.0	1093.6	969.9	864.5	768.4
42.5°	2616.9	2244.0	1925.5	1668.8	1464.0	1276.7	1131.2	994.1	870.4	760.0	653.8
45°	2661.3	2234.0	1881.2	1601.1	1384.6	1195.6	1040.1	906.3	777.6	662.2	561.0
47.5°	2703.1	2228.2	1845.2	1545.1	1312.6	1122.0	968.2	827.7	698.1	585.3	493.3
50°	2728.1	2219.0	1807.6	1477.4	1232.4	1046.8	899.6	757.5	627.1	519.2	437.3
52.5°	2735.7	2200.6	1758.3	1400.4	1163.0	982.4	829.4	687.3	561.8	464.9	388.8
55°	2729.8	2164.6	1691.4	1337.7	1091.9	911.3	758.3	620.4	506.7	415.5	354.5
57.5°	2701.4	2092.7	1605.3	1258.3	1010.8	821.9	671.4	545.1	444.0	371.2	324.4
60°	2637.8	1989.0	1499.9	1147.1	894.6	715.7	573.6	464.9	379.6	326.9	296.0
62.5°	2499.1	1839.4	1346.9	989.9	739.1	574.4	450.6	370.4	312.7	285.1	266.7
63°	2458.1	1787.5	1301.8	948.1	712.3	542.6	423.1	350.3	298.5	275.9	260.9
65°	2242.4	1548.4	1100.3	762.5	551.8	411.4	322.7	275.1	247.5	239.1	234.9
67.5°	1837.7	1204.8	774.2	511.7	370.4	284.3	238.3	219.9	209.9	209.0	211.5
70°	1298.4	799.3	479.1	327.7	255.0	214.9	197.3	189.0	183.9	185.6	190.6
72.5°	844.4	469.0	302.7	240.0	207.3	189.0	176.4	173.9	172.2	170.6	172.2
75°	446.5	293.5	229.1	200.7	181.4	166.4	158.0	154.7	155.5	155.5	155.5
77.5°	276.7	223.2	195.6	177.2	162.2	147.2	138.8	136.3	137.1	138.8	139.6
80°	212.4	194.8	172.2	158.9	137.1	124.6	120.4	119.6	121.2	121.2	123.7
82.5°	155.5	150.5	142.1	125.4	108.7	100.3	99.5	102.8	99.5	98.7	100.3
85°	91.1	85.3	92.8	79.4	72.7	67.7	71.1	77.8	81.1	76.9	75.2
87.5°	29.3	20.1	29.3	32.6	29.3	25.1	31.8	37.6	38.5	36.8	41.8
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: P145773

CATALOG NUMBER: LDRL-SLL-F06-E-8030

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9
2.5°	1399.6	1405.5	1399.6	1402.1	1401.3	1399.6	1402.1	1398.8	1397.1	1402.1	1401.3
5°	1452.3	1453.1	1445.6	1446.4	1445.6	1438.9	1438.9	1435.6	1431.4	1432.2	1430.5
7.5°	1494.9	1493.2	1487.4	1484.9	1477.4	1472.3	1469.0	1464.0	1460.6	1457.3	1455.6
10°	1527.5	1523.3	1519.2	1511.6	1504.1	1499.9	1490.7	1483.2	1480.7	1475.7	1472.3
12.5°	1555.9	1548.4	1541.7	1532.5	1523.3	1516.7	1505.8	1499.9	1495.8	1489.1	1484.0
15°	1571.8	1557.6	1545.1	1530.9	1520.8	1510.8	1498.3	1495.8	1489.9	1483.2	1474.0
17.5°	1552.6	1532.5	1509.1	1494.1	1479.0	1464.0	1451.4	1451.4	1448.9	1441.4	1425.5
20°	1513.3	1483.2	1455.6	1431.4	1416.3	1394.6	1387.1	1375.4	1367.0	1353.6	1333.6
22.5°	1448.9	1417.2	1381.2	1357.0	1331.0	1306.8	1291.7	1273.4	1266.7	1244.9	1218.2
25°	1377.0	1331.0	1292.6	1260.8	1224.9	1196.4	1175.5	1150.4	1133.7	1112.8	1079.4
27.5°	1291.7	1244.1	1200.6	1165.5	1127.9	1088.6	1050.1	1020.9	990.8	966.5	947.3
30°	1199.8	1150.4	1096.9	1056.0	1012.5	963.2	931.4	892.1	868.7	841.9	816.9
32.5°	1079.4	1035.9	973.2	925.5	872.0	833.6	807.7	770.0	742.4	719.9	705.7
35°	947.3	882.1	819.4	783.4	746.6	715.7	679.7	650.5	632.1	608.7	596.1
37.5°	803.5	727.4	673.9	642.1	604.5	589.4	566.9	549.3	532.6	516.7	506.7
40°	674.7	604.5	556.0	529.2	504.2	487.4	473.2	465.7	454.8	442.3	434.8
42.5°	567.7	511.7	464.0	438.9	419.7	418.0	408.8	403.0	398.8	391.3	379.6
45°	484.1	433.1	392.1	372.1	363.7	364.5	364.5	359.5	359.5	357.0	349.5
47.5°	428.1	382.1	352.0	338.6	335.3	336.1	333.6	331.9	332.8	331.9	327.7
50°	384.6	345.3	320.2	315.2	314.4	313.5	310.2	307.7	306.8	308.5	307.7
52.5°	340.3	307.7	293.5	291.8	292.6	292.6	291.8	291.0	292.6	294.3	291.8
55°	315.2	291.8	282.6	282.6	282.6	282.6	281.8	280.9	283.4	285.9	281.8
57.5°	291.8	275.1	271.7	271.7	271.7	270.1	270.1	270.9	274.2	279.3	274.2
60°	274.2	265.9	265.9	266.7	265.9	262.5	260.0	260.0	264.2	270.9	266.7
62.5°	257.5	253.3	255.0	254.2	252.5	248.3	245.0	245.0	250.0	256.7	258.3
63°	253.3	250.0	251.7	250.8	249.2	245.8	242.5	242.5	246.6	253.3	255.8
65°	234.9	235.8	236.6	237.4	236.6	235.8	231.6	229.9	233.3	238.3	241.6
67.5°	213.2	214.9	216.5	220.7	219.1	219.1	216.5	214.9	215.7	218.2	220.7
70°	193.1	194.8	197.3	199.0	199.8	200.7	199.0	196.5	197.3	198.2	199.8
72.5°	173.9	175.6	177.2	180.6	180.6	180.6	178.9	177.2	178.1	179.8	181.4
75°	156.3	157.2	158.9	161.4	162.2	160.5	160.5	158.9	159.7	162.2	163.9
77.5°	138.8	137.1	138.0	139.6	142.1	142.1	143.0	142.1	143.8	145.5	147.2
80°	118.7	117.1	115.4	116.2	119.6	123.7	127.9	127.9	130.4	131.3	133.8
82.5°	94.5	92.8	92.0	94.5	93.6	99.5	108.7	113.7	117.1	120.4	122.1
85°	73.6	69.4	71.1	71.1	69.4	78.6	87.0	93.6	94.5	99.5	100.3
87.5°	43.5	41.8	40.1	38.5	44.3	53.5	61.0	63.5	65.2	67.7	70.2
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-F06-E-8030

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9
2.5°	1394.6	1401.3	1399.6	1398.8	1399.6	1398.8	1396.3	1397.1	1395.4	1396.3	1394.6
5°	1421.3	1424.7	1422.2	1418.0	1418.0	1412.1	1408.0	1404.6	1400.4	1398.8	1395.4
7.5°	1447.3	1444.8	1441.4	1433.9	1429.7	1422.2	1416.3	1409.6	1405.5	1400.4	1394.6
10°	1463.1	1458.1	1451.4	1442.2	1430.5	1423.8	1415.5	1405.5	1400.4	1397.9	1392.1
12.5°	1470.7	1457.3	1446.4	1429.7	1413.0	1400.4	1391.2	1381.2	1378.7	1375.4	1371.2
15°	1453.1	1433.9	1406.3	1383.7	1362.0	1344.4	1336.9	1326.0	1323.5	1322.7	1321.8
17.5°	1393.7	1364.5	1337.7	1307.6	1288.4	1272.5	1265.8	1263.3	1259.1	1257.5	1258.3
20°	1298.4	1273.4	1246.6	1236.6	1214.0	1209.8	1199.8	1193.1	1185.6	1183.1	1178.9
22.5°	1187.2	1156.3	1139.6	1132.1	1122.9	1101.1	1096.1	1089.4	1079.4	1071.9	1070.2
25°	1057.6	1032.6	1031.7	1014.2	1006.6	994.9	981.6	973.2	967.3	958.2	951.5
27.5°	925.5	916.3	900.5	887.1	882.1	875.4	855.3	851.1	844.4	836.9	829.4
30°	802.6	796.0	780.9	768.4	760.8	747.5	728.2	729.9	716.5	706.5	699.8
32.5°	683.1	678.1	663.8	660.5	636.3	629.6	609.5	594.5	581.1	571.0	562.7
35°	575.2	561.8	562.7	547.6	534.3	514.2	493.3	474.1	463.2	458.2	450.6
37.5°	497.5	484.9	472.4	455.7	440.6	426.4	413.9	408.0	401.3	403.0	403.8
40°	427.2	418.0	408.8	397.1	387.9	382.1	378.7	378.7	379.6	383.8	387.1
42.5°	377.1	369.5	364.5	360.4	362.0	362.0	364.5	368.7	372.9	378.7	382.1
45°	343.6	339.4	337.8	339.4	344.5	348.6	354.5	361.2	367.9	373.7	376.2
47.5°	323.6	321.1	321.1	325.2	332.8	339.4	348.6	355.3	362.9	367.9	369.5
50°	301.8	301.0	301.0	304.3	311.0	319.4	328.6	335.3	342.0	346.1	347.8
52.5°	289.3	286.8	285.9	290.1	296.0	304.3	313.5	320.2	325.2	328.6	329.4
55°	278.4	275.9	274.2	279.3	285.9	293.5	304.3	311.9	316.9	321.1	324.4
57.5°	269.2	266.7	265.0	270.9	277.6	286.8	296.0	304.3	311.0	316.0	319.4
60°	261.7	258.3	256.7	263.4	270.1	279.3	288.4	297.6	306.8	312.7	314.4
62.5°	252.5	250.0	247.5	251.7	255.0	261.7	270.1	279.3	287.6	293.5	293.5
63°	250.0	249.2	245.8	249.2	252.5	258.3	266.7	275.1	283.4	290.1	289.3
65°	239.1	239.1	237.4	240.8	244.1	250.0	256.7	265.9	273.4	278.4	279.3
67.5°	221.6	222.4	224.1	227.4	234.1	240.0	247.5	255.8	262.5	265.9	267.5
70°	201.5	203.2	206.5	211.5	217.4	222.4	227.4	235.8	241.6	245.0	246.6
72.5°	182.3	186.4	189.0	193.1	196.5	201.5	205.7	214.0	219.1	221.6	225.7
75°	164.7	168.1	169.7	172.2	175.6	177.2	182.3	185.6	192.3	195.6	200.7
77.5°	148.0	149.7	152.2	156.3	157.2	159.7	161.4	166.4	169.7	173.1	177.2
80°	132.9	134.6	138.0	140.5	141.3	143.0	143.8	143.0	142.1	139.6	143.0
82.5°	119.6	121.2	125.4	127.9	130.4	130.4	129.6	120.4	116.2	117.9	120.4
85°	98.7	100.3	104.5	109.5	110.4	109.5	110.4	101.2	95.3	92.8	95.3
87.5°	61.9	60.2	74.4	81.1	76.1	77.8	78.6	73.6	68.6	58.5	61.0
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: P145773  
 CATALOG NUMBER: LDRL-SLL-F06-E-8030

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	0°
2.5°	1396.3	1390.4	1391.2	1392.9	1392.9	1395.4	1392.1	1387.9	1390.4	1386.2	1385.4	2.5°
5°	1395.4	1387.9	1387.9	1389.6	1387.9	1389.6	1387.1	1382.9	1385.4	1380.4	1379.5	5°
7.5°	1392.1	1387.9	1389.6	1391.2	1388.7	1389.6	1388.7	1382.9	1383.7	1381.2	1375.4	7.5°
10°	1390.4	1387.9	1391.2	1396.3	1396.3	1397.1	1394.6	1387.9	1383.7	1381.2	1376.2	10°
12.5°	1372.8	1376.2	1382.9	1394.6	1398.8	1405.5	1408.8	1405.5	1407.1	1403.8	1402.1	12.5°
15°	1322.7	1331.0	1341.9	1359.5	1372.0	1387.1	1405.5	1413.8	1429.7	1442.2	1450.6	15°
17.5°	1262.5	1268.3	1280.0	1300.1	1316.0	1346.1	1371.2	1399.6	1430.5	1464.0	1493.2	17.5°
20°	1188.1	1183.9	1202.3	1224.0	1251.6	1285.1	1321.8	1364.5	1415.5	1469.0	1520.0	20°
22.5°	1078.5	1078.5	1097.8	1123.7	1157.1	1195.6	1246.6	1292.6	1359.5	1437.2	1512.5	22.5°
25°	953.1	955.6	969.0	998.3	1021.7	1076.9	1124.5	1183.9	1264.2	1349.4	1449.8	25°
27.5°	819.4	836.1	832.7	863.7	894.6	949.0	1014.2	1074.4	1163.8	1255.0	1369.5	27.5°
30°	698.1	695.6	694.8	731.6	762.5	811.8	865.3	941.4	1031.7	1148.8	1280.9	30°
32.5°	547.6	556.8	563.5	585.3	618.7	664.7	722.4	801.8	910.5	1028.4	1177.2	32.5°
35°	452.3	454.8	464.0	476.6	505.8	544.3	604.5	674.7	770.0	892.1	1050.1	35°
37.5°	405.5	408.0	418.0	429.7	450.6	479.1	520.0	574.4	662.2	775.9	923.0	37.5°
40°	390.5	393.0	398.8	409.7	428.9	453.2	485.8	527.6	591.1	679.7	808.5	40°
42.5°	383.8	383.8	384.6	393.0	412.2	440.6	475.7	513.4	560.2	627.1	731.6	42.5°
45°	376.2	376.2	375.4	381.3	396.3	428.9	471.6	517.5	568.5	626.2	708.2	45°
47.5°	369.5	367.9	366.2	368.7	381.3	414.7	464.0	520.0	585.3	657.2	739.9	47.5°
50°	346.1	346.1	345.3	346.1	357.8	393.0	449.8	517.5	600.3	693.1	793.4	50°
52.5°	329.4	330.3	331.1	331.1	340.3	376.2	438.9	518.4	617.0	728.2	855.3	52.5°
55°	325.2	326.9	326.9	325.2	332.8	365.4	428.9	515.9	628.7	767.5	921.4	55°
57.5°	320.2	321.1	321.9	320.2	325.2	353.7	414.7	504.2	625.4	782.6	970.7	57.5°
60°	313.5	310.2	309.4	306.8	310.2	332.8	389.6	479.1	605.3	775.9	987.4	60°
62.5°	295.1	292.6	290.1	287.6	290.1	306.8	362.0	448.1	571.9	749.1	974.0	62.5°
63°	291.0	289.3	286.8	284.3	284.3	302.7	352.8	440.6	563.5	741.6	969.0	63°
65°	279.3	278.4	276.7	274.2	273.4	287.6	331.9	406.3	524.2	708.2	937.2	65°
67.5°	265.9	265.9	265.0	261.7	257.5	265.9	296.8	355.3	455.7	622.0	858.7	67.5°
70°	246.6	246.6	245.8	244.1	239.1	245.0	265.0	303.5	375.4	508.3	719.9	70°
72.5°	227.4	227.4	229.9	229.1	229.9	230.8	240.8	261.7	305.2	395.5	544.3	72.5°
75°	202.3	206.5	207.3	209.0	209.9	209.0	214.0	226.6	251.7	303.5	397.1	75°
77.5°	181.4	187.3	186.4	184.8	183.9	184.8	183.9	189.8	208.2	240.8	294.3	77.5°
80°	149.7	155.5	155.5	154.7	153.0	154.7	153.0	158.9	173.9	202.3	234.1	80°
82.5°	122.9	127.1	129.6	131.3	129.6	136.3	136.3	134.6	146.3	171.4	197.3	82.5°
85°	98.7	102.8	105.3	108.7	110.4	108.7	107.9	106.2	112.9	132.9	150.5	85°
87.5°	62.7	66.1	66.1	66.9	66.9	69.4	64.4	58.5	53.5	76.1	79.4	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: P145773

NUMBER: LDRL-SLL-F06-E-8030

**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
1382.9	1382.9	1382.9	1382.9	1382.9	1382.9	1382.9
1382.9	1382.9	1383.7	1381.2	1383.7	1383.7	1381.2
1377.0	1375.4	1375.4	1374.5	1376.2	1375.4	1374.5
1372.0	1372.0	1368.7	1366.2	1365.3	1368.7	1367.0
1370.3	1368.7	1367.8	1366.2	1367.0	1369.5	1371.2
1400.4	1394.6	1396.3	1395.4	1396.3	1398.8	1403.8
1455.6	1455.6	1459.8	1450.6	1454.8	1459.0	1465.7
1517.5	1532.5	1540.1	1539.2	1540.9	1544.2	1551.8
1570.2	1617.8	1651.3	1659.6	1682.2	1687.2	1675.5
1593.6	1678.9	1754.1	1804.3	1860.3	1882.9	1889.5
1545.9	1668.8	1792.6	1907.9	2018.3	2081.8	2137.9
1496.6	1642.1	1806.8	1979.0	2158.8	2321.0	2442.2
1428.0	1620.3	1842.7	2075.2	2313.4	2539.2	2741.5
1352.8	1585.2	1846.1	2128.7	2423.0	2703.9	2948.9
1244.9	1503.3	1792.6	2120.3	2461.4	2813.4	3119.4
1121.2	1372.8	1697.2	2071.8	2458.9	2869.4	3236.5
989.1	1246.6	1587.7	1989.0	2426.3	2887.0	3318.4
889.6	1144.6	1479.0	1910.4	2377.8	2875.3	3357.7
838.6	1056.8	1390.4	1833.5	2323.5	2846.9	3374.4
848.6	1033.4	1337.7	1770.0	2275.0	2815.9	3370.2
904.6	1068.5	1336.9	1746.6	2244.0	2787.5	3358.5
989.1	1147.9	1385.4	1774.2	2260.8	2785.0	3357.7
1084.4	1259.1	1502.4	1848.6	2331.8	2830.1	3377.8
1176.4	1394.6	1652.9	2015.0	2466.4	2943.0	3458.9
1230.7	1518.3	1846.1	2249.9	2673.8	3141.2	3637.0
1243.3	1592.7	2017.5	2480.7	2958.1	3427.9	3914.5
1242.4	1600.3	2046.7	2528.3	3015.8	3494.0	3985.6
1223.2	1615.3	2125.3	2685.5	3247.3	3777.4	4282.4
1163.0	1588.6	2168.8	2831.8	3477.3	4090.1	4728.9
1025.0	1466.5	2117.8	2879.5	3614.4	4297.5	5026.5
802.6	1209.8	1828.5	2632.0	3428.8	4111.9	5034.1
564.4	855.3	1407.1	2161.3	2802.5	3474.8	4496.5
393.0	554.3	913.8	1453.9	2022.5	2535.0	3342.7
287.6	368.7	547.6	869.5	1227.4	1584.4	2074.3
221.6	265.9	350.3	525.1	693.1	887.1	1250.8
155.5	175.6	216.5	324.4	464.9	634.6	916.3
67.7	79.4	104.5	191.5	314.4	302.7	288.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0

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