

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: P146068

Luminaire Tested: **LDRL-SLR-E06-E-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P146068
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-SLR-E06-E-8030
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13639.4 lumens
Efficiency: N/A
Efficacy: 90.6 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

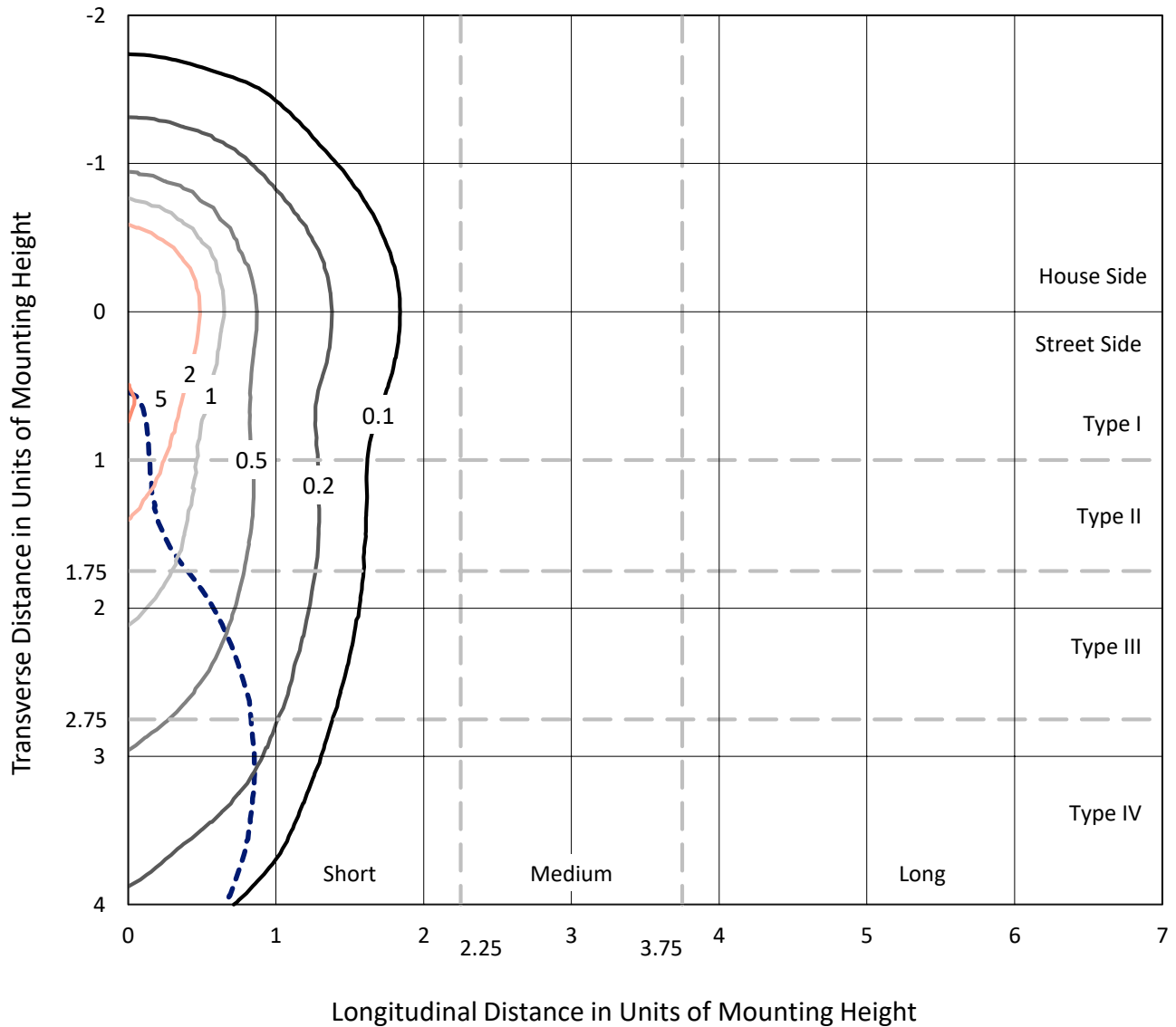
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

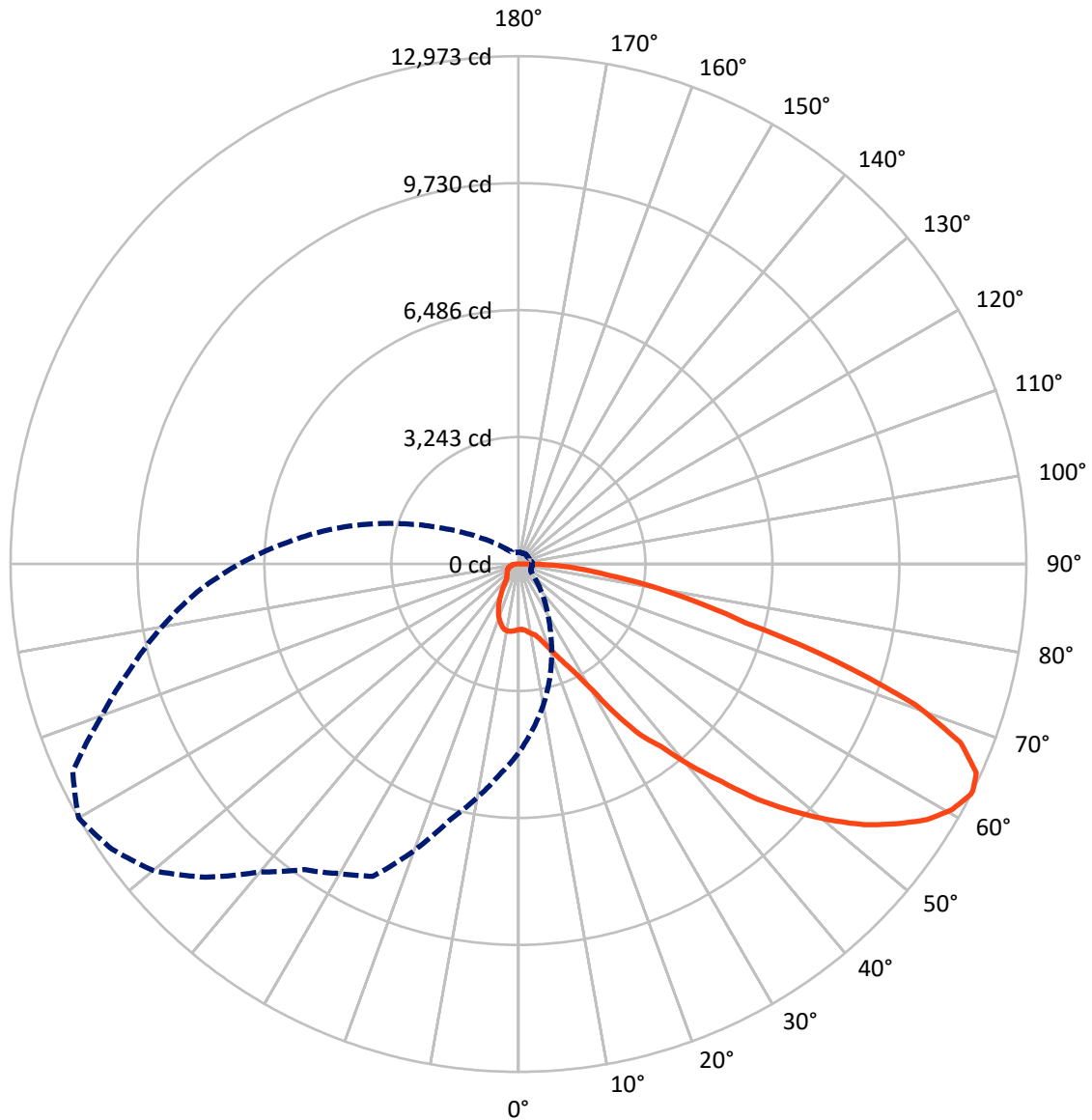
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2855.1	0.0	2855.1
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	10784.3	0.0	10784.3
	% Fixture	79.1	0.0	79.1
Total	Lumens	13639.4	0.0	13639.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.5	1.2
10°-20°	513.5	3.8
20°-30°	908.0	6.7
30°-40°	1433.5	10.5
40°-50°	2108.0	15.5
50°-60°	2776.8	20.4
60°-70°	3095.0	22.7
70°-80°	2033.5	14.9
80°-90°	606.4	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°	13639.4	100.0
0°-180°	13639.4	100.0

Coefficient of Utilization



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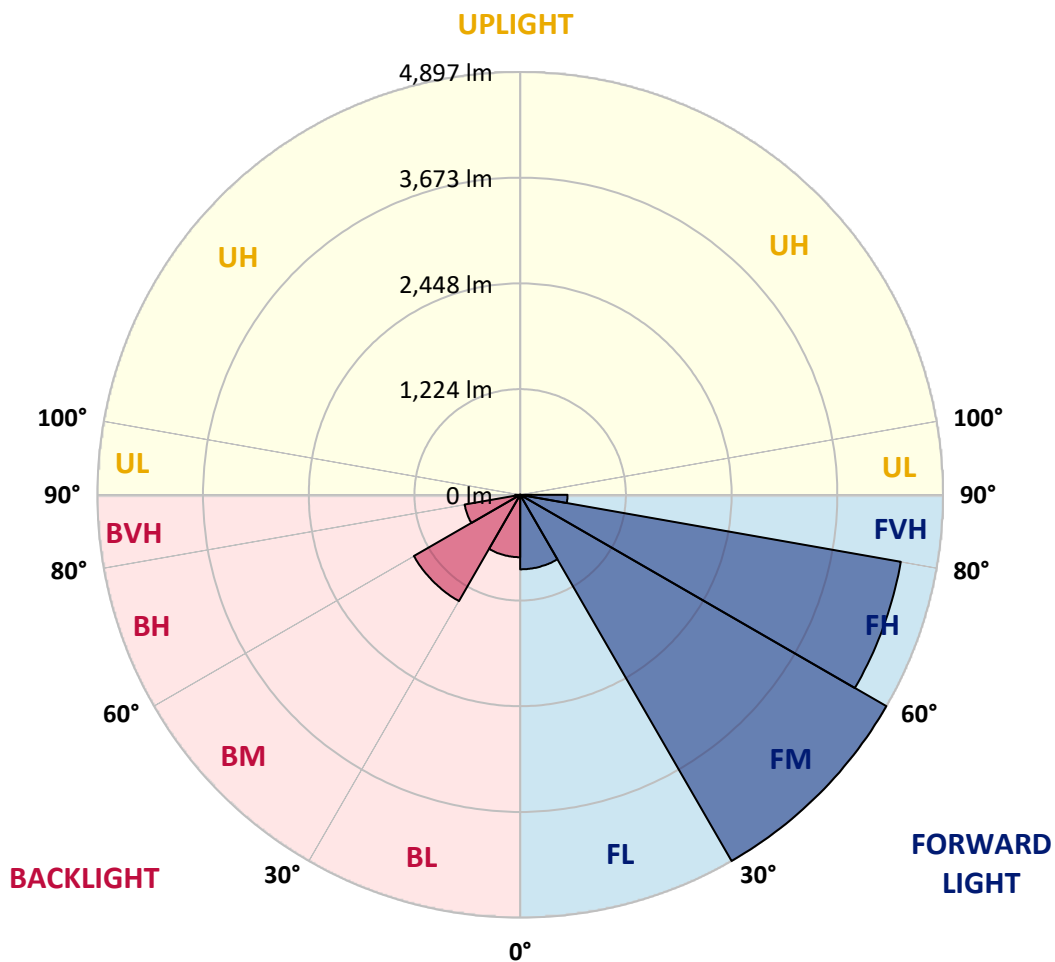
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	863.3	6.3			
FM	(30°-60°)	4896.9	35.9			
FH	(60°-80°)	4476.0	32.8			G2/5000
FVH	(80°-90°)	548.1	4.0			G4/750
BL	(0°-30°)	722.8	5.3	B2/1000		
BM	(30°-60°)	1421.5	10.4	B2/2500		
BH	(60°-80°)	652.5	4.8	B2/1000		G2/1000
BVH	(80°-90°)	58.3	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°	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2
2.5°	1673.1	1676.2	1676.2	1673.1	1676.2	1675.2	1675.2	1678.2	1679.2	1684.3	1681.2
5°	1665.0	1666.0	1667.1	1665.0	1666.0	1666.0	1668.1	1671.1	1672.1	1678.2	1675.2
7.5°	1655.9	1657.9	1653.9	1654.9	1657.9	1662.0	1662.0	1666.0	1673.1	1676.2	1675.2
10°	1661.0	1658.9	1655.9	1654.9	1656.9	1657.9	1660.0	1667.1	1673.1	1676.2	1681.2
12.5°	1700.5	1694.4	1691.4	1690.3	1691.4	1689.3	1696.4	1698.4	1700.5	1704.5	1702.5
15°	1775.4	1767.3	1762.3	1757.2	1768.3	1763.3	1763.3	1757.2	1747.1	1731.9	1712.6
17.5°	1879.7	1870.6	1866.6	1864.5	1865.6	1856.4	1838.2	1808.8	1773.4	1732.9	1695.4
20°	2029.6	2043.8	2037.7	2010.4	2000.3	1959.7	1902.0	1841.3	1779.5	1714.7	1652.9
22.5°	2288.9	2280.8	2253.5	2185.6	2124.8	2033.7	1930.4	1832.1	1741.0	1646.8	1565.8
25°	2589.7	2521.8	2444.9	2311.2	2171.4	2021.5	1872.6	1756.2	1634.6	1531.3	1434.1
27.5°	2958.4	2811.5	2615.0	2397.3	2188.6	1989.1	1812.9	1658.9	1520.2	1409.8	1301.4
30°	3320.9	3075.8	2802.4	2513.7	2232.2	1962.8	1729.8	1551.6	1391.6	1249.8	1140.4
32.5°	3572.1	3275.4	2935.1	2578.6	2236.2	1920.2	1638.7	1426.0	1245.7	1102.9	971.3
35°	3778.7	3408.0	2981.7	2568.4	2171.4	1821.0	1508.0	1272.1	1080.6	932.8	817.3
37.5°	3920.5	3475.9	2978.6	2509.7	2056.0	1663.0	1358.2	1118.1	939.9	802.1	695.8
40°	4019.8	3497.2	2939.1	2409.4	1923.3	1510.1	1198.1	979.4	823.4	716.0	639.1
42.5°	4067.4	3483.0	2880.4	2314.2	1791.6	1386.5	1077.6	886.2	759.6	678.6	621.9
45°	4087.6	3448.5	2814.5	2221.0	1684.3	1280.2	1015.8	857.8	758.6	688.7	626.9
47.5°	4082.6	3411.1	2755.8	2144.1	1620.5	1251.8	1028.0	896.3	796.1	709.0	630.0
50°	4068.4	3376.6	2718.3	2115.7	1619.4	1294.3	1095.8	961.1	839.6	727.2	626.9
52.5°	4067.4	3373.6	2738.6	2149.1	1678.2	1390.6	1198.1	1036.1	882.1	747.4	627.9
55°	4091.7	3428.3	2824.7	2239.3	1820.0	1525.3	1313.6	1116.1	929.7	761.6	624.9
57.5°	4189.9	3565.0	2987.7	2440.8	2002.3	1689.3	1425.0	1175.8	948.0	757.6	610.7
60°	4405.6	3805.0	3238.9	2725.4	2236.2	1839.2	1490.8	1196.1	939.9	733.3	580.3
62.5°	4741.9	4152.4	3583.2	3004.9	2443.9	1929.4	1506.0	1179.9	907.5	692.7	542.9
63°	4828.0	4232.4	3653.1	3062.7	2479.3	1938.5	1505.0	1173.8	898.3	682.6	533.7
65°	5187.5	4575.8	3933.7	3253.1	2574.5	1956.7	1481.7	1135.3	857.8	635.0	492.2
67.5°	5728.3	4954.6	4212.2	3430.3	2627.2	1924.3	1408.8	1040.1	753.5	552.0	430.4
70°	6088.9	5205.7	4378.3	3488.0	2565.4	1776.4	1241.7	872.0	615.8	454.7	367.6
72.5°	6098.0	4980.9	4153.4	3188.3	2215.0	1465.5	972.3	659.3	479.0	369.7	317.0
75°	5446.8	4209.2	3394.9	2618.1	1704.5	1036.1	683.6	481.1	367.6	304.8	274.5
77.5°	4049.1	3070.8	2449.9	1761.2	1107.0	671.5	476.0	356.5	291.7	252.2	229.9
80°	2512.7	1919.2	1486.8	1053.3	663.4	446.6	348.4	283.6	245.1	210.7	192.4
82.5°	1515.1	1074.6	839.6	636.0	424.4	322.1	268.4	239.0	207.6	177.2	163.1
85°	1110.0	768.7	563.1	393.0	262.3	212.7	188.4	182.3	161.0	136.7	128.6
87.5°	349.4	366.6	380.8	231.9	126.6	96.2	82.0	96.2	92.2	64.8	70.9
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°	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2
2.5°	1686.3	1690.3	1687.3	1687.3	1685.3	1684.3	1691.4	1689.3	1691.4	1690.3	1692.4
5°	1680.2	1683.3	1681.2	1683.3	1681.2	1681.2	1690.3	1690.3	1694.4	1696.4	1701.5
7.5°	1682.2	1683.3	1682.2	1685.3	1683.3	1681.2	1686.3	1689.3	1696.4	1702.5	1707.6
10°	1689.3	1692.4	1691.4	1691.4	1685.3	1681.2	1684.3	1686.3	1693.4	1696.4	1702.5
12.5°	1706.5	1702.5	1694.4	1689.3	1675.2	1667.1	1663.0	1661.0	1666.0	1670.1	1673.1
15°	1702.5	1680.2	1662.0	1646.8	1625.5	1612.4	1602.2	1601.2	1602.2	1603.2	1606.3
17.5°	1661.0	1630.6	1594.1	1574.9	1550.6	1536.4	1529.3	1524.2	1523.2	1525.3	1530.3
20°	1601.2	1556.7	1516.1	1482.7	1456.4	1434.1	1439.2	1428.0	1433.1	1436.1	1445.3
22.5°	1510.1	1448.3	1401.7	1361.2	1329.8	1306.5	1306.5	1296.4	1298.4	1307.5	1319.7
25°	1362.2	1304.5	1237.6	1209.3	1173.8	1157.6	1154.6	1152.6	1160.7	1171.8	1178.9
27.5°	1228.5	1149.5	1083.7	1046.2	1008.7	1012.8	992.5	1004.7	1013.8	1022.9	1031.0
30°	1048.2	983.4	923.7	886.2	841.6	842.6	845.7	847.7	855.8	868.0	884.2
32.5°	875.0	805.2	749.5	709.0	682.6	674.5	663.4	681.6	691.7	703.9	720.1
35°	732.2	659.3	612.7	577.3	562.1	551.0	547.9	545.9	555.0	561.1	574.3
37.5°	630.0	580.3	545.9	520.6	506.4	494.2	491.2	489.2	488.2	486.1	494.2
40°	588.4	548.9	519.6	496.3	483.1	476.0	473.0	468.9	464.9	459.8	458.8
42.5°	576.3	533.7	499.3	476.0	465.9	464.9	464.9	462.8	458.8	451.7	446.6
45°	571.2	519.6	480.1	461.8	454.7	455.8	455.8	455.8	452.7	445.6	437.5
47.5°	562.1	502.3	461.8	446.6	443.6	445.6	447.7	447.7	445.6	439.6	430.4
50°	544.9	476.0	433.5	419.3	418.3	419.3	419.3	421.3	419.3	414.2	406.1
52.5°	531.7	455.8	412.2	401.1	401.1	400.1	399.0	399.0	398.0	394.0	387.9
55°	519.6	442.6	403.1	394.0	396.0	396.0	394.0	393.0	388.9	383.8	377.8
57.5°	502.3	428.4	394.0	387.9	389.9	388.9	387.9	386.9	382.8	376.8	368.7
60°	472.0	403.1	375.7	371.7	374.7	375.7	379.8	380.8	378.8	371.7	360.6
62.5°	438.5	371.7	351.4	348.4	351.4	354.5	357.5	355.5	355.5	348.4	338.3
63°	427.4	366.6	344.3	344.3	347.4	350.4	352.5	350.4	351.4	343.3	333.2
65°	402.1	348.4	331.2	332.2	335.2	337.3	338.3	338.3	337.3	331.2	322.1
67.5°	359.5	322.1	311.9	317.0	321.1	322.1	322.1	324.1	322.1	318.0	309.9
70°	321.1	296.7	289.7	295.7	297.8	298.8	298.8	298.8	296.7	292.7	285.6
72.5°	291.7	279.5	278.5	277.5	278.5	275.5	275.5	273.5	268.4	265.4	259.3
75°	259.3	253.2	254.2	253.2	251.2	250.2	245.1	243.1	237.0	232.9	224.8
77.5°	222.8	223.8	222.8	223.8	225.9	226.9	219.8	214.7	209.6	205.6	201.5
80°	185.3	187.4	185.3	187.4	188.4	188.4	181.3	173.2	169.1	172.2	173.2
82.5°	165.1	165.1	157.0	159.0	157.0	153.9	148.9	145.8	142.8	140.8	145.8
85°	130.6	131.7	133.7	131.7	127.6	124.6	119.5	115.5	112.4	115.5	122.5
87.5°	78.0	84.1	81.0	81.0	80.0	80.0	76.0	73.9	70.9	83.0	89.1
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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2
2.5°	1691.4	1694.4	1695.4	1694.4	1695.4	1697.4	1689.3	1697.4	1698.4	1692.4	1694.4
5°	1705.5	1710.6	1717.7	1717.7	1722.8	1725.8	1721.7	1732.9	1734.9	1733.9	1739.0
7.5°	1715.7	1722.8	1731.9	1736.9	1746.0	1750.1	1753.1	1763.3	1765.3	1769.3	1773.4
10°	1714.7	1724.8	1732.9	1747.1	1758.2	1766.3	1772.4	1783.5	1787.6	1793.6	1796.7
12.5°	1685.3	1696.4	1711.6	1731.9	1752.1	1765.3	1781.5	1797.7	1803.8	1811.9	1816.9
15°	1619.4	1628.6	1649.8	1676.2	1703.5	1736.9	1760.2	1785.5	1796.7	1804.8	1811.9
17.5°	1533.4	1541.5	1560.7	1584.0	1620.5	1652.9	1688.3	1726.8	1746.0	1755.2	1758.2
20°	1453.4	1465.5	1470.6	1497.9	1510.1	1542.5	1572.9	1615.4	1639.7	1655.9	1666.0
22.5°	1327.8	1333.8	1360.2	1371.3	1380.4	1400.7	1438.2	1475.6	1508.0	1534.4	1542.5
25°	1189.0	1205.2	1219.4	1228.5	1249.8	1250.8	1281.2	1307.5	1348.0	1373.3	1393.6
27.5°	1036.1	1060.4	1068.5	1074.6	1090.8	1110.0	1121.2	1147.5	1170.8	1200.2	1236.6
30°	882.1	905.4	921.6	930.8	945.9	964.2	972.3	989.5	1019.9	1052.3	1080.6
32.5°	738.3	762.6	770.7	800.1	804.2	821.4	827.4	854.8	872.0	899.4	932.8
35°	597.5	622.9	647.2	663.4	681.6	680.6	696.8	722.1	737.3	765.7	787.9
37.5°	501.3	516.5	533.7	552.0	572.2	587.4	602.6	613.8	625.9	645.1	665.4
40°	458.8	462.8	469.9	481.1	495.3	506.4	517.5	526.7	535.8	551.0	564.1
42.5°	441.6	438.5	438.5	436.5	441.6	447.7	456.8	459.8	474.0	483.1	488.2
45°	429.4	422.3	417.3	411.2	409.2	411.2	416.3	423.3	432.5	435.5	435.5
47.5°	422.3	411.2	403.1	394.0	388.9	388.9	391.9	397.0	402.1	403.1	402.1
50°	398.0	386.9	376.8	368.7	364.6	364.6	365.6	372.7	373.7	371.7	372.7
52.5°	379.8	368.7	358.5	351.4	346.4	347.4	350.4	353.5	356.5	354.5	352.5
55°	368.7	355.5	346.4	338.3	332.2	334.2	337.3	341.3	346.4	343.3	340.3
57.5°	358.5	347.4	336.2	328.1	321.1	323.1	326.1	332.2	338.3	332.2	328.1
60°	349.4	338.3	327.1	319.0	310.9	313.0	317.0	323.1	328.1	320.0	315.0
62.5°	327.1	317.0	308.9	304.8	299.8	302.8	305.9	313.0	310.9	302.8	296.7
63°	323.1	313.0	305.9	301.8	297.8	301.8	302.8	309.9	306.9	298.8	293.7
65°	310.9	302.8	295.7	291.7	287.6	289.7	289.7	292.7	288.6	282.6	278.5
67.5°	299.8	290.7	283.6	275.5	271.4	269.4	268.4	267.4	264.3	261.3	260.3
70°	275.5	269.4	263.3	256.2	250.2	246.1	244.1	242.1	240.0	239.0	238.0
72.5°	249.1	244.1	238.0	234.0	228.9	225.9	220.8	219.8	217.7	215.7	214.7
75°	220.8	214.7	212.7	208.6	205.6	203.6	199.5	198.5	196.5	193.4	192.4
77.5°	195.5	193.4	190.4	189.4	184.3	181.3	179.3	178.3	176.2	174.2	172.2
80°	174.2	173.2	171.2	170.1	167.1	163.1	161.0	162.0	159.0	158.0	155.0
82.5°	157.0	158.0	158.0	155.0	151.9	146.9	144.8	147.9	145.8	141.8	137.7
85°	133.7	132.7	133.7	132.7	126.6	121.5	119.5	121.5	120.5	114.4	113.4
87.5°	95.2	94.2	92.2	98.2	90.1	72.9	74.9	85.1	82.0	79.0	77.0
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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CATALOG NUMBER: LDRL-SLR-E06-E-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2
2.5°	1698.4	1695.4	1697.4	1698.4	1695.4	1702.5	1695.4	1696.4	1698.4	1692.4	1691.4
5°	1743.0	1743.0	1751.1	1752.1	1751.1	1760.2	1759.2	1760.2	1758.2	1757.2	1753.1
7.5°	1779.5	1783.5	1789.6	1798.7	1801.8	1808.8	1810.9	1811.9	1815.9	1820.0	1818.0
10°	1805.8	1816.9	1822.0	1831.1	1840.2	1845.3	1850.4	1858.5	1861.5	1864.5	1860.5
12.5°	1824.0	1837.2	1845.3	1856.4	1867.6	1875.7	1884.8	1894.9	1905.1	1908.1	1903.0
15°	1814.9	1830.1	1842.3	1854.4	1871.6	1886.8	1904.0	1922.3	1935.4	1940.5	1934.4
17.5°	1758.2	1773.4	1791.6	1809.9	1828.1	1856.4	1880.7	1911.1	1932.4	1947.6	1949.6
20°	1680.2	1689.3	1715.7	1733.9	1763.3	1796.7	1833.1	1868.6	1892.9	1920.2	1936.5
22.5°	1564.8	1583.0	1612.4	1643.8	1673.1	1716.7	1755.2	1801.8	1843.3	1880.7	1916.2
25°	1424.0	1449.3	1483.7	1527.3	1565.8	1612.4	1668.1	1719.7	1789.6	1848.3	1924.3
27.5°	1272.1	1318.7	1366.3	1411.8	1454.4	1507.0	1564.8	1622.5	1702.5	1796.7	1895.9
30°	1128.2	1166.7	1226.5	1279.2	1328.8	1393.6	1453.4	1517.2	1593.1	1704.5	1816.9
32.5°	978.4	1009.8	1056.3	1121.2	1178.9	1254.8	1307.5	1383.5	1471.6	1589.1	1716.7
35°	823.4	866.9	904.4	949.0	992.5	1068.5	1147.5	1231.6	1332.8	1458.4	1598.2
37.5°	686.7	714.0	732.2	777.8	816.3	881.1	973.3	1074.6	1186.0	1313.6	1463.5
40°	573.2	590.5	610.7	641.1	673.5	732.2	817.3	930.8	1047.2	1174.8	1324.7
42.5°	495.3	506.4	508.4	531.7	562.1	619.8	687.7	792.0	920.6	1054.3	1204.2
45°	441.6	441.6	440.6	450.7	475.0	524.6	586.4	679.6	802.1	941.9	1097.9
47.5°	404.1	407.1	406.1	410.2	426.4	462.8	518.5	597.5	709.0	845.7	1002.7
50°	375.7	379.8	380.8	381.8	387.9	418.3	465.9	529.7	628.9	759.6	917.6
52.5°	353.5	354.5	354.5	353.5	355.5	372.7	412.2	470.9	563.1	680.6	832.5
55°	341.3	342.3	342.3	342.3	342.3	353.5	381.8	429.4	503.4	613.8	751.5
57.5°	327.1	327.1	329.2	329.2	329.2	333.2	353.5	393.0	449.7	537.8	660.3
60°	315.0	318.0	322.1	323.1	322.1	322.1	332.2	358.5	396.0	459.8	563.1
62.5°	296.7	300.8	305.9	307.9	308.9	306.9	311.9	323.1	345.4	378.8	448.7
63°	293.7	297.8	301.8	303.8	304.8	302.8	306.9	316.0	334.2	361.6	424.4
65°	280.5	285.6	286.6	287.6	286.6	285.6	284.6	284.6	289.7	299.8	333.2
67.5°	262.3	265.4	265.4	267.4	262.3	260.3	258.3	256.2	253.2	254.2	266.4
70°	241.0	243.1	242.1	241.0	239.0	236.0	234.0	230.9	224.8	222.8	228.9
72.5°	216.7	218.8	218.8	218.8	214.7	212.7	210.7	208.6	206.6	208.6	210.7
75°	194.5	194.5	196.5	195.5	192.4	190.4	189.4	188.4	188.4	188.4	187.4
77.5°	173.2	172.2	172.2	169.1	167.1	166.1	168.1	169.1	168.1	166.1	165.1
80°	155.0	149.9	144.8	140.8	139.8	141.8	143.8	149.9	146.9	146.9	144.8
82.5°	131.7	120.5	113.4	114.4	111.4	112.4	114.4	121.5	119.5	120.5	124.6
85°	105.3	95.2	84.1	86.1	86.1	84.1	89.1	91.2	93.2	98.2	94.2
87.5°	73.9	64.8	53.7	46.6	48.6	50.6	52.7	50.6	44.6	46.6	45.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P146068
 CATALOG NUMBER: LDRL-SLR-E06-E-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2
2.5°	1689.3	1690.3	1690.3	1683.3	1681.2	1683.3	1682.2	1682.2	1676.2	1677.2	1675.2
5°	1751.1	1753.1	1747.1	1742.0	1734.9	1733.9	1732.9	1728.8	1724.8	1716.7	1712.6
7.5°	1816.9	1807.8	1805.8	1796.7	1793.6	1785.5	1779.5	1773.4	1768.3	1764.3	1761.2
10°	1858.5	1851.4	1849.4	1833.1	1828.1	1818.0	1811.9	1804.8	1798.7	1792.6	1791.6
12.5°	1895.9	1883.8	1876.7	1854.4	1844.3	1833.1	1828.1	1822.0	1820.0	1819.0	1823.0
15°	1925.3	1908.1	1894.9	1874.7	1866.6	1860.5	1861.5	1858.5	1870.6	1877.7	1890.9
17.5°	1944.6	1937.5	1934.4	1919.2	1924.3	1924.3	1938.5	1945.6	1967.8	1986.1	2004.3
20°	1954.7	1967.8	1993.2	1998.2	2010.4	2023.6	2044.8	2057.0	2080.3	2106.6	2131.9
22.5°	1963.8	2019.5	2071.2	2109.6	2137.0	2167.4	2182.6	2207.9	2224.1	2243.3	2281.8
25°	2014.4	2107.6	2198.8	2248.4	2313.2	2356.8	2391.2	2416.5	2444.9	2461.1	2504.6
27.5°	2000.3	2118.8	2240.3	2331.4	2432.7	2514.8	2587.7	2636.3	2672.8	2731.5	2768.0
30°	1935.4	2073.2	2220.0	2349.7	2491.5	2625.1	2751.7	2865.2	2962.4	3041.4	3095.1
32.5°	1843.3	2001.3	2173.4	2333.5	2514.8	2693.0	2875.3	3048.5	3213.6	3344.2	3426.3
35°	1740.0	1910.1	2100.5	2289.9	2507.7	2740.6	2986.7	3219.7	3458.7	3667.3	3831.4
37.5°	1614.4	1798.7	2007.3	2227.1	2477.3	2756.8	3066.7	3383.7	3688.6	4004.6	4235.5
40°	1482.7	1663.0	1879.7	2130.9	2419.6	2748.7	3128.5	3539.7	3981.3	4388.4	4739.9
42.5°	1370.3	1546.5	1773.4	2021.5	2332.5	2718.3	3170.0	3679.5	4223.3	4751.0	5217.9
45°	1259.9	1448.3	1677.2	1939.5	2278.8	2706.2	3223.7	3801.0	4421.8	5047.7	5643.3
47.5°	1172.8	1359.2	1590.1	1871.6	2235.2	2699.1	3274.3	3914.4	4583.9	5268.5	5974.4
50°	1089.8	1268.0	1492.9	1789.6	2189.7	2687.9	3304.7	4004.6	4710.5	5441.7	6209.4
52.5°	1004.7	1190.0	1408.8	1696.4	2129.9	2665.7	3313.8	4075.5	4841.1	5607.8	6429.2
55°	918.6	1103.9	1322.7	1620.5	2048.9	2622.1	3306.8	4127.1	4977.9	5783.0	6629.7
57.5°	813.3	995.6	1224.5	1524.2	1944.6	2535.0	3272.3	4149.4	5062.9	5947.1	6831.3
60°	694.8	866.9	1083.7	1389.5	1816.9	2409.4	3195.3	4118.0	5101.4	6055.5	7045.0
62.5°	545.9	695.8	895.3	1199.1	1631.6	2228.1	3027.2	3979.2	5008.2	6028.1	7137.1
63°	512.5	657.3	862.9	1148.5	1576.9	2165.3	2977.6	3931.6	4966.7	6002.8	7126.0
65°	390.9	498.3	668.4	923.7	1332.8	1875.7	2716.3	3662.2	4705.4	5750.6	6950.8
67.5°	288.6	344.3	448.7	619.8	937.8	1459.4	2226.1	3162.9	4150.4	5132.8	6354.2
70°	239.0	260.3	308.9	397.0	580.3	968.2	1572.9	2407.4	3336.1	4181.8	5284.7
72.5°	213.7	228.9	251.2	290.7	366.6	568.2	1022.9	1562.7	2323.3	3054.6	3986.3
75°	191.4	201.5	219.8	243.1	277.5	355.5	540.8	926.7	1419.9	2058.0	2734.5
77.5°	168.1	178.3	196.5	214.7	237.0	270.4	335.2	527.7	849.7	1201.2	1678.2
80°	145.8	150.9	166.1	192.4	208.6	236.0	257.2	330.2	462.8	628.9	894.3
82.5°	120.5	121.5	131.7	151.9	172.2	182.3	188.4	207.6	266.4	332.2	438.5
85°	86.1	82.0	88.1	96.2	112.4	103.3	110.4	116.5	141.8	171.2	314.0
87.5°	38.5	30.4	35.4	39.5	35.4	24.3	35.4	29.4	36.5	71.9	81.0
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°	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	0°
2.5°	1677.2	1671.1	1671.1	1670.1	1671.1	1669.1	1665.0	1665.0	1668.1	1667.1	1667.1	2.5°
5°	1712.6	1704.5	1702.5	1701.5	1701.5	1696.4	1690.3	1687.3	1686.3	1682.2	1679.2	5°
7.5°	1759.2	1754.2	1757.2	1751.1	1749.1	1748.1	1740.0	1733.9	1724.8	1720.7	1705.5	7.5°
10°	1797.7	1794.7	1802.8	1801.8	1802.8	1802.8	1791.6	1785.5	1772.4	1765.3	1746.0	10°
12.5°	1831.1	1833.1	1848.3	1848.3	1851.4	1855.4	1849.4	1836.2	1831.1	1824.0	1803.8	12.5°
15°	1916.2	1924.3	1935.4	1953.7	1958.7	1959.7	1964.8	1953.7	1940.5	1922.3	1898.0	15°
17.5°	2031.7	2047.9	2085.3	2111.7	2116.7	2121.8	2118.8	2116.7	2092.4	2077.2	2051.9	17.5°
20°	2176.5	2216.0	2268.6	2305.1	2321.3	2323.3	2343.6	2329.4	2307.1	2276.7	2240.3	20°
22.5°	2338.5	2404.4	2471.2	2524.9	2556.3	2570.5	2591.7	2571.5	2542.1	2523.9	2475.3	22.5°
25°	2560.3	2632.2	2709.2	2751.7	2831.8	2855.1	2867.2	2861.1	2830.7	2843.9	2799.3	25°
27.5°	2864.2	2925.9	3034.3	3088.0	3162.9	3206.5	3197.4	3248.0	3257.1	3288.5	3293.6	27.5°
30°	3195.3	3297.6	3443.5	3551.9	3666.3	3740.2	3799.0	3843.5	3895.2	3982.3	4035.0	30°
32.5°	3552.9	3700.7	3887.1	4117.0	4360.1	4558.6	4782.4	4820.9	4936.3	4902.9	4880.6	32.5°
35°	3950.9	4137.2	4376.3	4678.1	5031.5	5359.7	5575.4	5683.8	5729.3	5754.7	5600.7	35°
37.5°	4483.6	4735.8	5002.2	5331.3	5601.7	5908.6	6156.7	6426.1	6549.7	6491.0	6196.2	37.5°
40°	5074.1	5310.1	5670.6	5940.0	6259.0	6764.4	7100.7	7424.8	7526.0	7330.6	6868.7	40°
42.5°	5666.6	5990.6	6381.6	6764.4	7131.0	7588.8	8034.5	8354.5	8465.9	8131.7	7583.8	42.5°
45°	6194.2	6609.5	7069.3	7462.2	7974.7	8573.3	9119.2	9376.4	9356.1	8819.4	8202.6	45°
47.5°	6654.0	7192.8	7711.4	8241.1	8757.6	9433.1	9973.9	10269.7	10060.0	9495.9	8797.1	47.5°
50°	7033.8	7685.0	8310.9	8919.6	9553.6	10271.7	10793.3	11066.7	10747.7	10033.7	9252.8	50°
52.5°	7322.5	8129.7	8850.8	9531.4	10288.9	11064.7	11528.6	11693.7	11196.4	10450.0	9594.2	52.5°
55°	7594.9	8507.4	9305.5	10078.3	11021.2	11717.0	12151.4	12121.1	11479.0	10631.2	9807.8	55°
57.5°	7800.5	8829.5	9679.2	10559.3	11575.2	12318.6	12569.7	12369.2	11596.4	10684.9	9869.6	57.5°
60°	8059.8	9080.7	10011.4	10993.8	12101.8	12730.8	12764.2	12404.6	11563.0	10583.6	9782.5	60°
62.5°	8225.9	9237.6	10223.1	11291.6	12502.9	12962.7	12723.7	12251.7	11370.6	10333.5	9583.0	62.5°
63°	8242.1	9252.8	10240.3	11321.0	12559.6	12972.8	12686.2	12182.8	11313.9	10264.6	9530.3	63°
65°	8169.2	9209.3	10161.3	11268.3	12573.8	12853.3	12411.7	11900.3	11000.9	9913.2	9220.4	65°
67.5°	7659.7	8741.4	9649.9	10688.0	12026.9	12181.8	11739.2	11183.2	10338.6	9155.6	8542.9	67.5°
70°	6747.2	7775.2	8419.3	9383.5	10561.4	10746.7	10350.7	9920.3	9169.8	8181.3	7672.9	70°
72.5°	5435.6	6445.4	6832.3	7570.6	8506.4	8465.9	8187.4	8133.7	7738.7	6909.2	6603.4	72.5°
75°	4063.3	5024.4	5187.5	5488.3	6010.9	5997.7	6062.6	6293.5	6491.0	6000.8	5608.8	75°
77.5°	2679.8	3635.9	3737.2	4087.6	4232.4	4629.5	5095.3	5675.7	5963.3	5762.8	5281.7	77.5°
80°	1482.7	2487.4	2467.2	2603.9	2860.1	3437.4	4143.3	5005.2	5580.5	5436.7	4910.0	80°
82.5°	770.7	1571.8	1548.6	1572.9	1810.9	2296.0	2832.8	3537.7	4132.2	4145.3	3968.1	82.5°
85°	573.2	1128.2	1195.1	1249.8	1407.8	1576.9	1675.2	1901.0	2227.1	2531.0	2639.3	85°
87.5°	210.7	677.6	843.7	906.4	910.5	889.2	724.1	797.1	725.2	857.8	1198.1	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°
1675.2	1675.2	1675.2	1675.2	1675.2	1675.2	1675.2
1669.1	1669.1	1668.1	1670.1	1671.1	1674.1	1673.1
1676.2	1673.1	1670.1	1668.1	1666.0	1667.1	1665.0
1694.4	1684.3	1676.2	1669.1	1663.0	1662.0	1655.9
1734.9	1716.7	1701.5	1690.3	1678.2	1672.1	1661.0
1786.6	1766.3	1747.1	1730.9	1716.7	1708.6	1700.5
1876.7	1847.3	1824.0	1806.8	1792.6	1783.5	1775.4
2010.4	1973.9	1938.5	1905.1	1901.0	1879.7	1879.7
2194.7	2145.1	2099.5	2071.2	2058.0	2029.6	2029.6
2449.9	2401.3	2333.5	2299.0	2302.1	2277.8	2288.9
2780.1	2739.6	2669.7	2655.5	2655.5	2629.2	2589.7
3275.4	3261.2	3184.2	3203.5	3162.9	3064.7	2958.4
4010.6	4010.6	3861.8	3754.4	3661.2	3508.3	3320.9
4746.9	4650.7	4422.9	4240.5	4047.1	3813.2	3572.1
5368.8	5112.6	4881.6	4658.8	4368.2	4117.0	3778.7
5893.4	5650.4	5386.0	5046.7	4705.4	4355.0	3920.5
6543.6	6247.9	5850.9	5424.5	5005.2	4523.1	4019.8
7138.1	6767.5	6266.1	5726.3	5192.6	4654.8	4067.4
7697.2	7219.2	6600.3	5952.2	5344.5	4735.8	4087.6
8223.8	7582.8	6862.7	6113.2	5448.8	4779.4	4082.6
8571.2	7849.1	7027.7	6210.4	5511.6	4794.5	4068.4
8789.0	8012.2	7125.0	6264.1	5543.0	4797.6	4067.4
8911.5	8104.3	7177.6	6301.6	5577.4	4815.8	4091.7
9006.7	8177.3	7236.4	6365.4	5659.5	4900.9	4189.9
9096.9	8368.7	7389.3	6482.9	5802.3	5059.9	4405.6
9134.3	8732.3	7700.2	6699.6	6001.8	5315.1	4741.9
9131.3	8801.1	7790.4	6759.4	6054.5	5383.0	4828.0
9020.9	9019.9	8200.6	7045.0	6299.5	5696.9	5187.5
8693.8	9129.3	8654.3	7421.7	6680.4	6214.5	5728.3
8176.2	8996.6	8716.1	7521.0	6950.8	6689.5	6088.9
7285.0	8362.6	8137.8	7097.6	6858.6	6782.6	6098.0
5892.4	6722.9	6626.7	6063.6	6151.7	6307.7	5446.8
4746.9	4720.6	4706.4	4501.8	4876.6	5193.6	4049.1
3965.1	3266.2	3033.3	2954.3	3572.1	3815.2	2512.7
3706.8	2934.1	2353.7	2254.5	2676.8	2806.4	1515.1
2832.8	2849.0	2466.1	2113.7	2082.3	1906.1	1110.0
1386.5	1409.8	1489.8	1360.2	1166.7	983.4	349.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0

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