

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: P146074

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P146074  
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-F06-E-7030  
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (42) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12185 lumens  
Efficiency: N/A  
Efficacy: 77.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G3

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

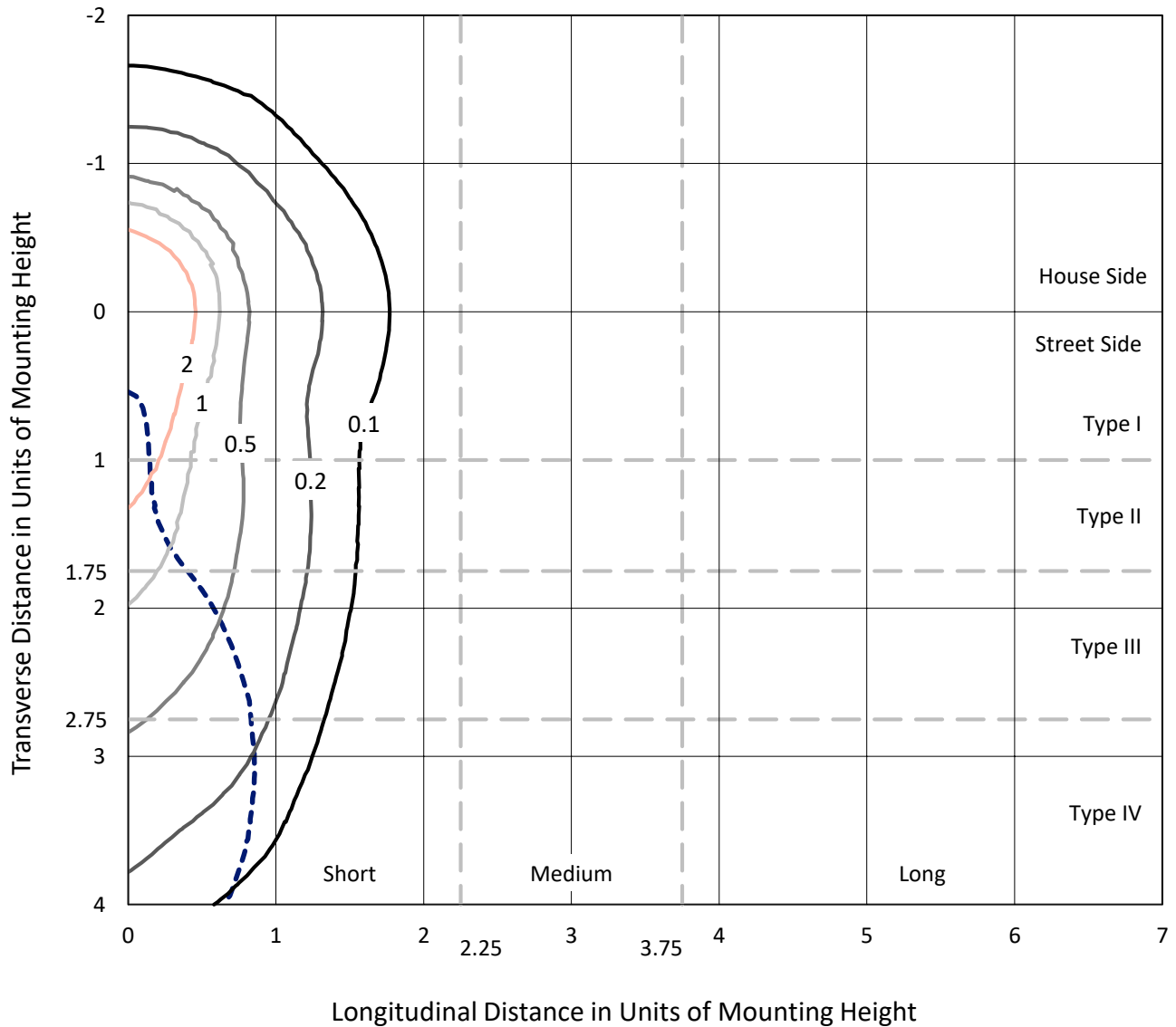


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### Iso-Footcandle Lines of Horizontal Illumination

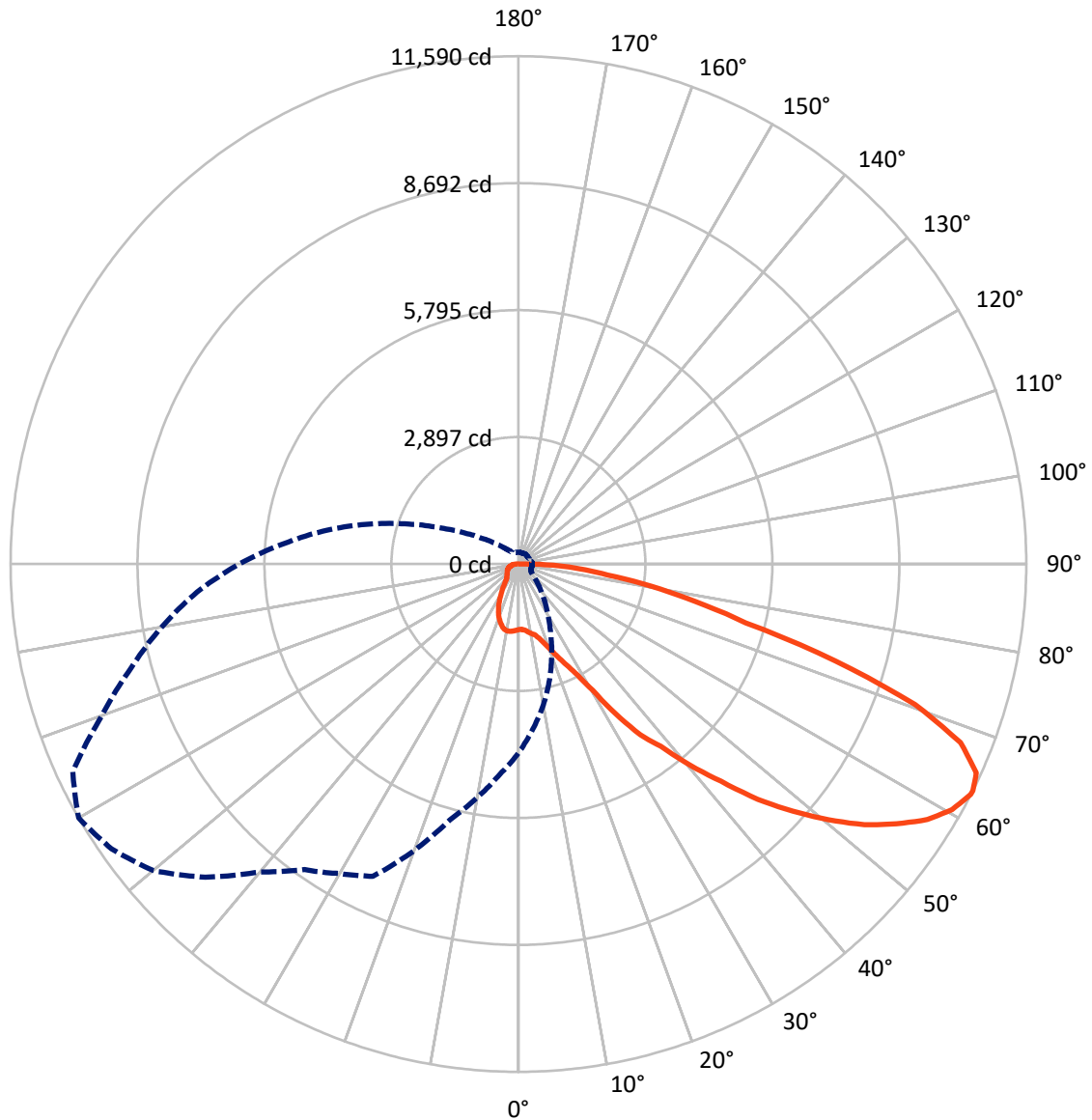
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.8 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
<b>House Side</b>	Lumens	2550.7	0.0	2550.7
	% Fixture	20.9	0.0	20.9
<b>Street Side</b>	Lumens	9634.3	0.0	9634.3
	% Fixture	79.1	0.0	79.1
<b>Total</b>	Lumens	12185.0	0.0	12185.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.0	1.2
10°-20°	458.7	3.8
20°-30°	811.2	6.7
30°-40°	1280.7	10.5
40°-50°	1883.2	15.5
50°-60°	2480.7	20.4
60°-70°	2765.0	22.7
70°-80°	1816.7	14.9
80°-90°	541.8	4.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	12185.0	100.0
0°-180°	12185.0	100.0



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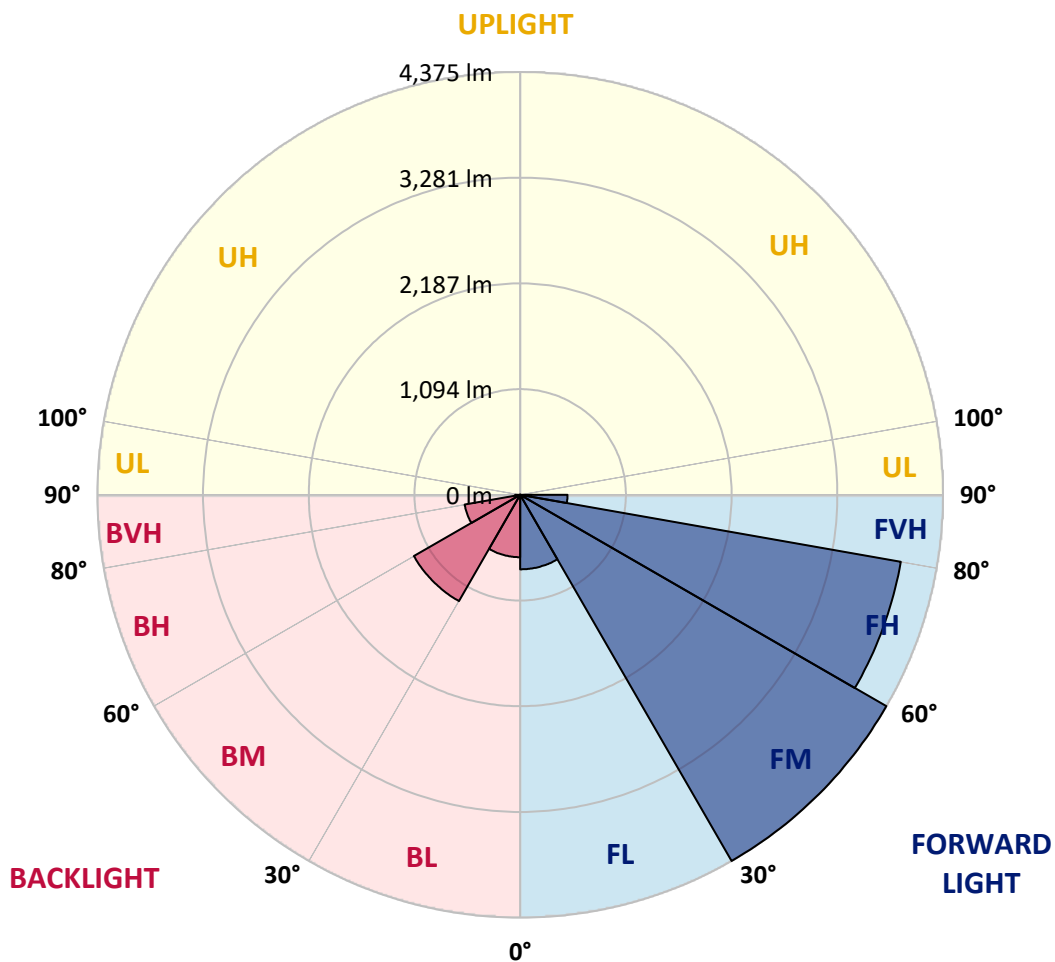
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

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

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

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5
2.5°	1494.7	1497.4	1497.4	1494.7	1497.4	1496.5	1496.5	1499.2	1500.1	1504.7	1502.0
5°	1487.5	1488.4	1489.3	1487.5	1488.4	1488.4	1490.2	1492.9	1493.8	1499.2	1496.5
7.5°	1479.3	1481.1	1477.5	1478.4	1481.1	1484.8	1484.8	1488.4	1494.7	1497.4	1496.5
10°	1483.9	1482.0	1479.3	1478.4	1480.2	1481.1	1483.0	1489.3	1494.7	1497.4	1502.0
12.5°	1519.1	1513.7	1511.0	1510.1	1511.0	1509.2	1515.5	1517.3	1519.1	1522.8	1521.0
15°	1586.1	1578.9	1574.3	1569.8	1579.8	1575.2	1575.2	1569.8	1560.8	1547.2	1530.0
17.5°	1679.3	1671.2	1667.5	1665.7	1666.6	1658.5	1642.2	1616.0	1584.3	1548.1	1514.6
20°	1813.2	1825.9	1820.4	1796.0	1787.0	1750.8	1699.2	1644.9	1589.7	1531.8	1476.6
22.5°	2044.8	2037.6	2013.2	1952.5	1898.3	1816.8	1724.5	1636.8	1555.3	1471.2	1398.8
25°	2313.6	2252.9	2184.2	2064.7	1939.9	1806.0	1673.0	1568.9	1460.3	1368.0	1281.2
27.5°	2642.9	2511.7	2336.2	2141.6	1955.3	1777.0	1619.6	1482.0	1358.1	1259.5	1162.7
30°	2966.8	2747.9	2503.6	2245.7	1994.2	1753.5	1545.4	1386.1	1243.2	1116.5	1018.8
32.5°	3191.2	2926.1	2622.1	2303.6	1997.8	1715.5	1464.0	1273.9	1112.9	985.3	867.7
35°	3375.8	3044.6	2663.7	2294.6	1939.9	1626.8	1347.2	1136.4	965.4	833.3	730.2
37.5°	3502.5	3105.2	2661.0	2242.1	1836.7	1485.7	1213.3	998.9	839.6	716.6	621.6
40°	3591.1	3124.2	2625.7	2152.5	1718.2	1349.0	1070.4	874.9	735.6	639.7	570.9
42.5°	3633.6	3111.6	2573.2	2067.5	1600.6	1238.7	962.7	791.7	678.6	606.2	555.5
45°	3651.7	3080.8	2514.4	1984.2	1504.7	1143.7	907.5	766.4	677.7	615.3	560.1
47.5°	3647.2	3047.3	2461.9	1915.4	1447.7	1118.3	918.4	800.7	711.2	633.4	562.8
50°	3634.6	3016.6	2428.5	1890.1	1446.8	1156.3	979.0	858.6	750.1	649.6	560.1
52.5°	3633.6	3013.9	2446.6	1920.0	1499.2	1242.3	1070.4	925.6	788.1	667.7	561.0
55°	3655.4	3062.7	2523.5	2000.5	1625.9	1362.6	1173.5	997.1	830.6	680.4	558.3
57.5°	3743.1	3184.9	2669.1	2180.5	1788.8	1509.2	1273.0	1050.5	846.9	676.8	545.6
60°	3935.8	3399.3	2893.5	2434.8	1997.8	1643.1	1331.9	1068.6	839.6	655.1	518.4
62.5°	4236.2	3709.6	3201.2	2684.5	2183.3	1723.6	1345.4	1054.1	810.7	618.9	485.0
63°	4313.1	3781.1	3263.6	2736.1	2214.9	1731.8	1344.5	1048.7	802.6	609.8	476.8
65°	4634.3	4087.9	3514.2	2906.2	2300.0	1748.1	1323.7	1014.3	766.4	567.3	439.7
67.5°	5117.5	4426.2	3763.0	3064.5	2347.0	1719.1	1258.6	929.2	673.2	493.1	384.5
70°	5439.6	4650.6	3911.4	3116.1	2291.8	1587.0	1109.3	779.0	550.1	406.3	328.4
72.5°	5447.8	4449.8	3710.6	2848.3	1978.8	1309.2	868.6	589.0	428.0	330.2	283.2
75°	4866.0	3760.3	3032.9	2338.9	1522.8	925.6	610.7	429.8	328.4	272.3	245.2
77.5°	3617.4	2743.3	2188.7	1573.4	988.9	599.9	425.3	318.5	260.6	225.3	205.4
80°	2244.8	1714.6	1328.2	941.0	592.6	399.0	311.2	253.3	219.0	188.2	171.9
82.5°	1353.6	960.0	750.1	568.2	379.1	287.7	239.8	213.5	185.5	158.3	145.7
85°	991.7	686.7	503.1	351.1	234.3	190.0	168.3	162.9	143.9	122.1	114.9
87.5°	312.2	327.5	340.2	207.2	113.1	86.0	73.3	86.0	82.3	57.9	63.3
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°	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5
2.5°	1506.5	1510.1	1507.4	1507.4	1505.6	1504.7	1511.0	1509.2	1511.0	1510.1	1511.9
5°	1501.1	1503.8	1502.0	1503.8	1502.0	1502.0	1510.1	1510.1	1513.7	1515.5	1520.1
7.5°	1502.9	1503.8	1502.9	1505.6	1503.8	1502.0	1506.5	1509.2	1515.5	1521.0	1525.5
10°	1509.2	1511.9	1511.0	1511.0	1505.6	1502.0	1504.7	1506.5	1512.8	1515.5	1521.0
12.5°	1524.6	1521.0	1513.7	1509.2	1496.5	1489.3	1485.7	1483.9	1488.4	1492.0	1494.7
15°	1521.0	1501.1	1484.8	1471.2	1452.2	1440.4	1431.4	1430.5	1431.4	1432.3	1435.0
17.5°	1483.9	1456.7	1424.1	1407.0	1385.2	1372.6	1366.2	1361.7	1360.8	1362.6	1367.1
20°	1430.5	1390.7	1354.5	1324.6	1301.1	1281.2	1285.7	1275.8	1280.3	1283.0	1291.1
22.5°	1349.0	1293.9	1252.2	1216.0	1188.0	1167.2	1167.2	1158.1	1159.9	1168.1	1178.9
25°	1216.9	1165.4	1105.7	1080.3	1048.7	1034.2	1031.5	1029.7	1036.9	1046.8	1053.2
27.5°	1097.5	1026.9	968.1	934.7	901.2	904.8	886.7	897.6	905.7	913.8	921.1
30°	936.5	878.6	825.2	791.7	751.9	752.8	755.5	757.3	764.5	775.4	789.9
32.5°	781.7	719.3	669.5	633.4	609.8	602.6	592.6	608.9	618.0	628.8	643.3
35°	654.2	589.0	547.4	515.7	502.2	492.2	489.5	487.7	495.8	501.3	513.0
37.5°	562.8	518.4	487.7	465.1	452.4	441.5	438.8	437.0	436.1	434.3	441.5
40°	525.7	490.4	464.2	443.3	431.6	425.3	422.5	418.9	415.3	410.8	409.9
42.5°	514.8	476.8	446.1	425.3	416.2	415.3	415.3	413.5	409.9	403.5	399.0
45°	510.3	464.2	428.9	412.6	406.3	407.2	407.2	407.2	404.4	398.1	390.9
47.5°	502.2	448.8	412.6	399.0	396.3	398.1	399.9	399.9	398.1	392.7	384.5
50°	486.8	425.3	387.3	374.6	373.7	374.6	374.6	376.4	374.6	370.1	362.8
52.5°	475.0	407.2	368.3	358.3	358.3	357.4	356.5	356.5	355.6	352.0	346.5
55°	464.2	395.4	360.1	352.0	353.8	353.8	352.0	351.1	347.4	342.9	337.5
57.5°	448.8	382.7	352.0	346.5	348.3	347.4	346.5	345.6	342.0	336.6	329.3
60°	421.6	360.1	335.7	332.1	334.8	335.7	339.3	340.2	338.4	332.1	322.1
62.5°	391.8	332.1	314.0	311.2	314.0	316.7	319.4	317.6	317.6	311.2	302.2
63°	381.8	327.5	307.6	307.6	310.3	313.1	314.9	313.1	314.0	306.7	297.7
65°	359.2	311.2	295.9	296.8	299.5	301.3	302.2	302.2	301.3	295.9	287.7
67.5°	321.2	287.7	278.7	283.2	286.8	287.7	287.7	289.5	287.7	284.1	276.9
70°	286.8	265.1	258.8	264.2	266.0	266.9	266.9	266.9	265.1	261.5	255.2
72.5°	260.6	249.7	248.8	247.9	248.8	246.1	246.1	244.3	239.8	237.1	231.6
75°	231.6	226.2	227.1	226.2	224.4	223.5	219.0	217.2	211.7	208.1	200.9
77.5°	199.1	200.0	199.1	200.0	201.8	202.7	196.3	191.8	187.3	183.7	180.1
80°	165.6	167.4	165.6	167.4	168.3	168.3	162.0	154.7	151.1	153.8	154.7
82.5°	147.5	147.5	140.2	142.1	140.2	137.5	133.0	130.3	127.6	125.8	130.3
85°	116.7	117.6	119.4	117.6	114.0	111.3	106.8	103.1	100.4	103.1	109.5
87.5°	69.7	75.1	72.4	72.4	71.5	71.5	67.9	66.0	63.3	74.2	79.6
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5
2.5°	1511.0	1513.7	1514.6	1513.7	1514.6	1516.4	1509.2	1516.4	1517.3	1511.9	1513.7
5°	1523.7	1528.2	1534.5	1534.5	1539.1	1541.8	1538.1	1548.1	1549.9	1549.0	1553.5
7.5°	1532.7	1539.1	1547.2	1551.7	1559.9	1563.5	1566.2	1575.2	1577.1	1580.7	1584.3
10°	1531.8	1540.9	1548.1	1560.8	1570.7	1578.0	1583.4	1593.3	1597.0	1602.4	1605.1
12.5°	1505.6	1515.5	1529.1	1547.2	1565.3	1577.1	1591.5	1606.0	1611.4	1618.7	1623.2
15°	1446.8	1454.9	1473.9	1497.4	1521.9	1551.7	1572.5	1595.1	1605.1	1612.3	1618.7
17.5°	1369.9	1377.1	1394.3	1415.1	1447.7	1476.6	1508.3	1542.7	1559.9	1568.0	1570.7
20°	1298.4	1309.2	1313.8	1338.2	1349.0	1378.0	1405.1	1443.1	1464.9	1479.3	1488.4
22.5°	1186.2	1191.6	1215.1	1225.1	1233.2	1251.3	1284.8	1318.3	1347.2	1370.8	1378.0
25°	1062.2	1076.7	1089.4	1097.5	1116.5	1117.4	1144.6	1168.1	1204.3	1226.9	1245.0
27.5°	925.6	947.3	954.6	960.0	974.5	991.7	1001.6	1025.1	1045.9	1072.2	1104.8
30°	788.1	808.9	823.4	831.5	845.1	861.4	868.6	884.0	911.1	940.1	965.4
32.5°	659.6	681.3	688.5	714.8	718.4	733.8	739.2	763.6	779.0	803.5	833.3
35°	533.8	556.4	578.2	592.6	608.9	608.0	622.5	645.1	658.7	684.0	703.9
37.5°	447.9	461.4	476.8	493.1	511.2	524.8	538.4	548.3	559.2	576.4	594.4
40°	409.9	413.5	419.8	429.8	442.4	452.4	462.3	470.5	478.6	492.2	504.0
42.5°	394.5	391.8	391.8	390.0	394.5	399.9	408.1	410.8	423.4	431.6	436.1
45°	383.6	377.3	372.8	367.3	365.5	367.3	371.9	378.2	386.3	389.1	389.1
47.5°	377.3	367.3	360.1	352.0	347.4	347.4	350.2	354.7	359.2	360.1	359.2
50°	355.6	345.6	336.6	329.3	325.7	325.7	326.6	333.0	333.9	332.1	333.0
52.5°	339.3	329.3	320.3	314.0	309.4	310.3	313.1	315.8	318.5	316.7	314.9
55°	329.3	317.6	309.4	302.2	296.8	298.6	301.3	304.9	309.4	306.7	304.0
57.5°	320.3	310.3	300.4	293.2	286.8	288.6	291.3	296.8	302.2	296.8	293.2
60°	312.2	302.2	292.2	285.0	277.8	279.6	283.2	288.6	293.2	285.9	281.4
62.5°	292.2	283.2	276.0	272.3	267.8	270.5	273.2	279.6	277.8	270.5	265.1
63°	288.6	279.6	273.2	269.6	266.0	269.6	270.5	276.9	274.2	266.9	262.4
65°	277.8	270.5	264.2	260.6	257.0	258.8	258.8	261.5	257.9	252.4	248.8
67.5°	267.8	259.7	253.3	246.1	242.5	240.7	239.8	238.9	236.2	233.4	232.5
70°	246.1	240.7	235.2	228.9	223.5	219.9	218.1	216.2	214.4	213.5	212.6
72.5°	222.6	218.1	212.6	209.0	204.5	201.8	197.2	196.3	194.5	192.7	191.8
75°	197.2	191.8	190.0	186.4	183.7	181.9	178.2	177.3	175.5	172.8	171.9
77.5°	174.6	172.8	170.1	169.2	164.7	162.0	160.1	159.2	157.4	155.6	153.8
80°	155.6	154.7	152.9	152.0	149.3	145.7	143.9	144.8	142.1	141.1	138.4
82.5°	140.2	141.1	141.1	138.4	135.7	131.2	129.4	132.1	130.3	126.7	123.1
85°	119.4	118.5	119.4	118.5	113.1	108.6	106.8	108.6	107.7	102.2	101.3
87.5°	85.1	84.1	82.3	87.8	80.5	65.1	67.0	76.0	73.3	70.6	68.8
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: P146074

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

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5
2.5°	1517.3	1514.6	1516.4	1517.3	1514.6	1521.0	1514.6	1515.5	1517.3	1511.9	1511.0
5°	1557.1	1557.1	1564.4	1565.3	1564.4	1572.5	1571.6	1572.5	1570.7	1569.8	1566.2
7.5°	1589.7	1593.3	1598.8	1606.9	1609.6	1616.0	1617.8	1618.7	1622.3	1625.9	1624.1
10°	1613.2	1623.2	1627.7	1635.9	1644.0	1648.5	1653.1	1660.3	1663.0	1665.7	1662.1
12.5°	1629.5	1641.3	1648.5	1658.5	1668.4	1675.7	1683.8	1692.9	1701.9	1704.6	1700.1
15°	1621.4	1635.0	1645.8	1656.7	1672.1	1685.6	1701.0	1717.3	1729.1	1733.6	1728.2
17.5°	1570.7	1584.3	1600.6	1616.9	1633.1	1658.5	1680.2	1707.3	1726.3	1739.9	1741.7
20°	1501.1	1509.2	1532.7	1549.0	1575.2	1605.1	1637.7	1669.3	1691.1	1715.5	1730.0
22.5°	1397.9	1414.2	1440.4	1468.5	1494.7	1533.6	1568.0	1609.6	1646.7	1680.2	1711.9
25°	1272.1	1294.8	1325.5	1364.4	1398.8	1440.4	1490.2	1536.3	1598.8	1651.2	1719.1
27.5°	1136.4	1178.0	1220.6	1261.3	1299.3	1346.3	1397.9	1449.5	1521.0	1605.1	1693.8
30°	1007.9	1042.3	1095.7	1142.8	1187.1	1245.0	1298.4	1355.4	1423.2	1522.8	1623.2
32.5°	874.0	902.1	943.7	1001.6	1053.2	1121.0	1168.1	1235.9	1314.7	1419.6	1533.6
35°	735.6	774.5	808.0	847.8	886.7	954.6	1025.1	1100.2	1190.7	1302.9	1427.8
37.5°	613.4	637.9	654.2	694.9	729.3	787.2	869.5	960.0	1059.5	1173.5	1307.4
40°	512.1	527.5	545.6	572.7	601.7	654.2	730.2	831.5	935.6	1049.6	1183.5
42.5°	442.4	452.4	454.2	475.0	502.2	553.7	614.4	707.5	822.5	941.9	1075.8
45°	394.5	394.5	393.6	402.6	424.3	468.7	523.9	607.1	716.6	841.5	980.8
47.5°	361.0	363.7	362.8	366.4	380.9	413.5	463.3	533.8	633.4	755.5	895.7
50°	335.7	339.3	340.2	341.1	346.5	373.7	416.2	473.2	561.9	678.6	819.7
52.5°	315.8	316.7	316.7	315.8	317.6	333.0	368.3	420.7	503.1	608.0	743.7
55°	304.9	305.8	305.8	305.8	305.8	315.8	341.1	383.6	449.7	548.3	671.4
57.5°	292.2	292.2	294.1	294.1	294.1	297.7	315.8	351.1	401.7	480.4	589.9
60°	281.4	284.1	287.7	288.6	287.7	287.7	296.8	320.3	353.8	410.8	503.1
62.5°	265.1	268.7	273.2	275.1	276.0	274.2	278.7	288.6	308.5	338.4	400.8
63°	262.4	266.0	269.6	271.4	272.3	270.5	274.2	282.3	298.6	323.0	379.1
65°	250.6	255.2	256.1	257.0	256.1	255.2	254.2	254.2	258.8	267.8	297.7
67.5°	234.3	237.1	237.1	238.9	234.3	232.5	230.7	228.9	226.2	227.1	238.0
70°	215.3	217.2	216.2	215.3	213.5	210.8	209.0	206.3	200.9	199.1	204.5
72.5°	193.6	195.4	195.4	195.4	191.8	190.0	188.2	186.4	184.6	186.4	188.2
75°	173.7	173.7	175.5	174.6	171.9	170.1	169.2	168.3	168.3	168.3	167.4
77.5°	154.7	153.8	153.8	151.1	149.3	148.4	150.2	151.1	150.2	148.4	147.5
80°	138.4	133.9	129.4	125.8	124.9	126.7	128.5	133.9	131.2	131.2	129.4
82.5°	117.6	107.7	101.3	102.2	99.5	100.4	102.2	108.6	106.8	107.7	111.3
85°	94.1	85.1	75.1	76.9	76.9	75.1	79.6	81.4	83.2	87.8	84.1
87.5°	66.0	57.9	48.0	41.6	43.4	45.2	47.0	45.2	39.8	41.6	40.7
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: P146074

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

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5
2.5°	1509.2	1510.1	1510.1	1503.8	1502.0	1503.8	1502.9	1502.9	1497.4	1498.3	1496.5
5°	1564.4	1566.2	1560.8	1556.2	1549.9	1549.0	1548.1	1544.5	1540.9	1533.6	1530.0
7.5°	1623.2	1615.1	1613.2	1605.1	1602.4	1595.1	1589.7	1584.3	1579.8	1576.1	1573.4
10°	1660.3	1654.0	1652.2	1637.7	1633.1	1624.1	1618.7	1612.3	1606.9	1601.5	1600.6
12.5°	1693.8	1682.9	1676.6	1656.7	1647.6	1637.7	1633.1	1627.7	1625.9	1625.0	1628.6
15°	1720.0	1704.6	1692.9	1674.8	1667.5	1662.1	1663.0	1660.3	1671.2	1677.5	1689.2
17.5°	1737.2	1730.9	1728.2	1714.6	1719.1	1719.1	1731.8	1738.1	1758.0	1774.3	1790.6
20°	1746.2	1758.0	1780.6	1785.2	1796.0	1807.8	1826.8	1837.6	1858.4	1882.0	1904.6
22.5°	1754.4	1804.2	1850.3	1884.7	1909.1	1936.3	1949.8	1972.4	1986.9	2004.1	2038.5
25°	1799.6	1882.9	1964.3	2008.6	2066.5	2105.5	2136.2	2158.8	2184.2	2198.6	2237.6
27.5°	1787.0	1892.8	2001.4	2082.8	2173.3	2246.6	2311.7	2355.2	2387.7	2440.2	2472.8
30°	1729.1	1852.1	1983.3	2099.1	2225.8	2345.2	2458.3	2559.7	2646.5	2717.1	2765.0
32.5°	1646.7	1787.9	1941.7	2084.6	2246.6	2405.8	2568.7	2723.4	2870.9	2987.6	3060.9
35°	1554.4	1706.4	1876.5	2045.7	2240.3	2448.4	2668.2	2876.3	3089.9	3276.3	3422.8
37.5°	1442.2	1606.9	1793.3	1989.6	2213.1	2462.8	2739.7	3022.9	3295.3	3577.5	3783.8
40°	1324.6	1485.7	1679.3	1903.7	2161.5	2455.6	2794.9	3162.2	3556.7	3920.5	4234.4
42.5°	1224.2	1381.6	1584.3	1806.0	2083.7	2428.5	2832.0	3287.1	3773.0	4244.4	4661.5
45°	1125.6	1293.9	1498.3	1732.7	2035.8	2417.6	2880.0	3395.7	3950.3	4509.5	5041.5
47.5°	1047.7	1214.2	1420.5	1672.1	1996.9	2411.3	2925.2	3497.0	4095.1	4706.7	5337.4
50°	973.6	1132.8	1333.7	1598.8	1956.2	2401.3	2952.3	3577.5	4208.2	4861.4	5547.3
52.5°	897.6	1063.1	1258.6	1515.5	1902.8	2381.4	2960.5	3640.9	4324.9	5009.8	5743.6
55°	820.6	986.2	1181.7	1447.7	1830.4	2342.5	2954.1	3687.0	4447.1	5166.4	5922.8
57.5°	726.5	889.4	1093.9	1361.7	1737.2	2264.7	2923.4	3706.9	4523.1	5312.9	6102.8
60°	620.7	774.5	968.1	1241.4	1623.2	2152.5	2854.6	3678.9	4557.4	5409.8	6293.7
62.5°	487.7	621.6	799.8	1071.3	1457.6	1990.5	2704.4	3554.9	4474.2	5385.3	6376.1
63°	457.8	587.2	770.9	1026.0	1408.8	1934.4	2660.1	3512.4	4437.1	5362.7	6366.1
65°	349.2	445.2	597.2	825.2	1190.7	1675.7	2426.7	3271.7	4203.7	5137.4	6209.6
67.5°	257.9	307.6	400.8	553.7	837.8	1303.8	1988.7	2825.7	3707.8	4585.5	5676.7
70°	213.5	232.5	276.0	354.7	518.4	865.0	1405.1	2150.7	2980.4	3735.9	4721.2
72.5°	190.9	204.5	224.4	259.7	327.5	507.6	913.8	1396.1	2075.6	2728.9	3561.3
75°	171.0	180.1	196.3	217.2	247.9	317.6	483.2	827.9	1268.5	1838.5	2442.9
77.5°	150.2	159.2	175.5	191.8	211.7	241.6	299.5	471.4	759.1	1073.1	1499.2
80°	130.3	134.8	148.4	171.9	186.4	210.8	229.8	295.0	413.5	561.9	798.9
82.5°	107.7	108.6	117.6	135.7	153.8	162.9	168.3	185.5	238.0	296.8	391.8
85°	76.9	73.3	78.7	86.0	100.4	92.3	98.6	104.1	126.7	152.9	280.5
87.5°	34.4	27.1	31.7	35.3	31.7	21.7	31.7	26.2	32.6	64.2	72.4
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: P146074  
 CATALOG NUMBER: LDRL-SLR-F06-E-7030

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	0°
2.5°	1498.3	1492.9	1492.9	1492.0	1492.9	1491.1	1487.5	1487.5	1490.2	1489.3	1489.3	2.5°
5°	1530.0	1522.8	1521.0	1520.1	1520.1	1515.5	1510.1	1507.4	1506.5	1502.9	1500.1	5°
7.5°	1571.6	1567.1	1569.8	1564.4	1562.6	1561.7	1554.4	1549.0	1540.9	1537.2	1523.7	7.5°
10°	1606.0	1603.3	1610.5	1609.6	1610.5	1610.5	1600.6	1595.1	1583.4	1577.1	1559.9	10°
12.5°	1635.9	1637.7	1651.2	1651.2	1654.0	1657.6	1652.2	1640.4	1635.9	1629.5	1611.4	12.5°
15°	1711.9	1719.1	1729.1	1745.3	1749.9	1750.8	1755.3	1745.3	1733.6	1717.3	1695.6	15°
17.5°	1815.0	1829.5	1863.0	1886.5	1891.0	1895.5	1892.8	1891.0	1869.3	1855.7	1833.1	17.5°
20°	1944.4	1979.7	2026.7	2059.3	2073.8	2075.6	2093.7	2081.0	2061.1	2034.0	2001.4	20°
22.5°	2089.2	2148.0	2207.7	2255.6	2283.7	2296.4	2315.4	2297.3	2271.0	2254.7	2211.3	22.5°
25°	2287.3	2351.6	2420.3	2458.3	2529.8	2550.6	2561.5	2556.0	2528.9	2540.7	2500.8	25°
27.5°	2558.8	2613.9	2710.8	2758.7	2825.7	2864.6	2856.4	2901.7	2909.8	2937.9	2942.4	27.5°
30°	2854.6	2946.0	3076.3	3173.1	3275.3	3341.4	3393.9	3433.7	3479.8	3557.6	3604.7	30°
32.5°	3174.0	3306.1	3472.6	3678.0	3895.1	4072.5	4272.4	4306.8	4410.0	4380.1	4360.2	32.5°
35°	3529.6	3696.1	3909.6	4179.2	4495.0	4788.2	4980.9	5077.7	5118.4	5141.0	5003.5	35°
37.5°	4005.5	4230.8	4468.8	4762.8	5004.4	5278.6	5500.2	5740.9	5851.3	5798.8	5535.5	37.5°
40°	4533.0	4743.8	5065.9	5306.6	5591.6	6043.1	6343.5	6633.0	6723.5	6548.9	6136.3	40°
42.5°	5062.3	5351.8	5701.1	6043.1	6370.6	6779.6	7177.7	7463.6	7563.2	7264.6	6775.1	42.5°
45°	5533.7	5904.7	6315.4	6666.5	7124.3	7659.1	8146.7	8376.6	8358.5	7878.9	7327.9	45°
47.5°	5944.5	6425.8	6889.1	7362.3	7823.7	8427.2	8910.4	9174.6	8987.3	8483.3	7859.0	47.5°
50°	6283.8	6865.6	7424.7	7968.5	8534.9	9176.4	9642.4	9886.7	9601.7	8963.8	8266.2	50°
52.5°	6541.6	7262.8	7907.0	8515.0	9191.8	9884.9	10299.2	10446.7	10002.5	9335.6	8571.1	52.5°
55°	6785.0	7600.3	8313.2	9003.6	9845.9	10467.5	10855.7	10828.6	10254.9	9497.6	8762.0	55°
57.5°	6968.7	7888.0	8647.1	9433.4	10340.9	11005.0	11229.4	11050.2	10359.9	9545.6	8817.2	57.5°
60°	7200.3	8112.4	8943.9	9821.5	10811.4	11373.2	11403.1	11081.9	10330.0	9455.1	8739.4	60°
62.5°	7348.7	8252.6	9133.0	10087.5	11169.7	11580.4	11366.9	10945.3	10158.1	9231.6	8561.1	62.5°
63°	7363.2	8266.2	9148.4	10113.8	11220.3	11589.5	11333.4	10883.7	10107.4	9170.1	8514.1	63°
65°	7298.1	8227.3	9077.8	10066.7	11233.0	11482.7	11088.2	10631.3	9827.9	8856.1	8237.2	65°
67.5°	6842.9	7809.3	8620.9	9548.3	10744.4	10882.8	10487.4	9990.7	9236.1	8179.3	7631.9	67.5°
70°	6027.7	6946.1	7521.5	8382.9	9435.2	9600.7	9247.0	8862.4	8192.0	7308.9	6854.7	70°
72.5°	4856.0	5758.1	6103.7	6763.3	7599.3	7563.2	7314.3	7266.4	6913.5	6172.5	5899.2	72.5°
75°	3630.0	4488.7	4634.3	4903.1	5369.9	5358.2	5416.1	5622.4	5798.8	5360.9	5010.7	75°
77.5°	2394.1	3248.2	3338.7	3651.7	3781.1	4135.8	4552.0	5070.5	5327.4	5148.3	4718.5	77.5°
80°	1324.6	2222.2	2204.1	2326.2	2555.1	3070.9	3701.5	4471.5	4985.4	4856.9	4386.4	80°
82.5°	688.5	1404.2	1383.4	1405.1	1617.8	2051.2	2530.7	3160.4	3691.6	3703.3	3545.0	82.5°
85°	512.1	1007.9	1067.7	1116.5	1257.7	1408.8	1496.5	1698.3	1989.6	2261.1	2357.9	85°
87.5°	188.2	605.3	753.7	809.8	813.4	794.4	646.9	712.1	647.8	766.4	1070.4	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: P146074

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**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
1496.5	1496.5	1496.5	1496.5	1496.5	1496.5	1496.5
1491.1	1491.1	1490.2	1492.0	1492.9	1495.6	1494.7
1497.4	1494.7	1492.0	1490.2	1488.4	1489.3	1487.5
1513.7	1504.7	1497.4	1491.1	1485.7	1484.8	1479.3
1549.9	1533.6	1520.1	1510.1	1499.2	1493.8	1483.9
1596.1	1578.0	1560.8	1546.3	1533.6	1526.4	1519.1
1676.6	1650.3	1629.5	1614.1	1601.5	1593.3	1586.1
1796.0	1763.4	1731.8	1701.9	1698.3	1679.3	1679.3
1960.7	1916.3	1875.6	1850.3	1838.5	1813.2	1813.2
2188.7	2145.3	2084.6	2053.9	2056.6	2034.9	2044.8
2483.7	2447.5	2385.0	2372.4	2372.4	2348.8	2313.6
2926.1	2913.4	2844.7	2861.9	2825.7	2737.9	2642.9
3583.0	3583.0	3450.0	3354.1	3270.8	3134.2	2966.8
4240.8	4154.8	3951.2	3788.4	3615.5	3406.5	3191.2
4796.3	4567.4	4361.1	4162.0	3902.4	3678.0	3375.8
5265.0	5047.8	4811.7	4508.6	4203.7	3890.6	3502.5
5845.9	5581.7	5227.0	4846.1	4471.5	4040.8	3591.1
6377.0	6045.8	5597.9	5115.7	4638.9	4158.4	3633.6
6876.4	6449.4	5896.5	5317.5	4774.6	4230.8	3651.7
7346.9	6774.2	6130.9	5461.3	4867.8	4269.7	3647.2
7657.3	7012.1	6278.4	5548.2	4923.9	4283.3	3634.6
7851.8	7157.8	6365.2	5596.1	4951.9	4286.0	3633.6
7961.3	7240.1	6412.3	5629.6	4982.7	4302.3	3655.4
8046.3	7305.3	6464.7	5686.6	5056.0	4378.3	3743.1
8126.8	7476.3	6601.4	5791.6	5183.6	4520.3	3935.8
8160.3	7801.1	6879.1	5985.2	5361.8	4748.3	4236.2
8157.6	7862.6	6959.7	6038.6	5408.8	4809.0	4313.1
8059.0	8058.1	7326.1	6293.7	5627.8	5089.5	4634.3
7766.7	8155.8	7731.4	6630.3	5968.0	5551.8	5117.5
7304.4	8037.3	7786.6	6719.0	6209.6	5976.2	5439.6
6508.2	7470.9	7270.0	6340.8	6127.3	6059.4	5447.8
5264.1	6006.0	5920.1	5417.0	5495.7	5635.0	4866.0
4240.8	4217.2	4204.6	4021.8	4356.6	4639.8	3617.4
3542.3	2918.0	2709.9	2639.3	3191.2	3408.4	2244.8
3311.5	2621.2	2102.7	2014.1	2391.4	2507.2	1353.6
2530.7	2545.2	2203.2	1888.3	1860.3	1702.8	991.7
1238.7	1259.5	1330.9	1215.1	1042.3	878.6	312.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0

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