

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: P146070

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P146070
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
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16160.6 lumens
Efficiency: N/A
Efficacy: 107.4 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

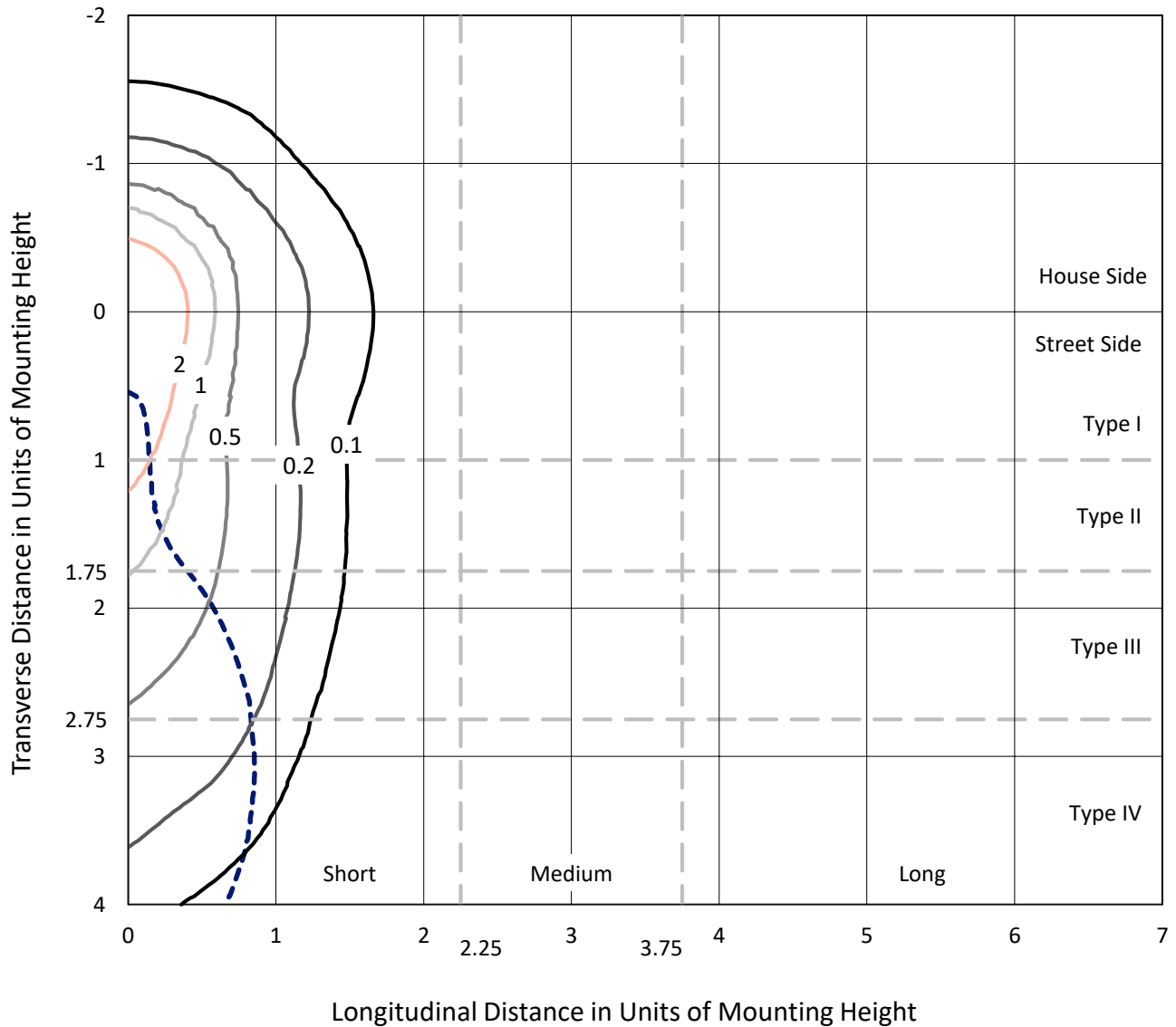
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

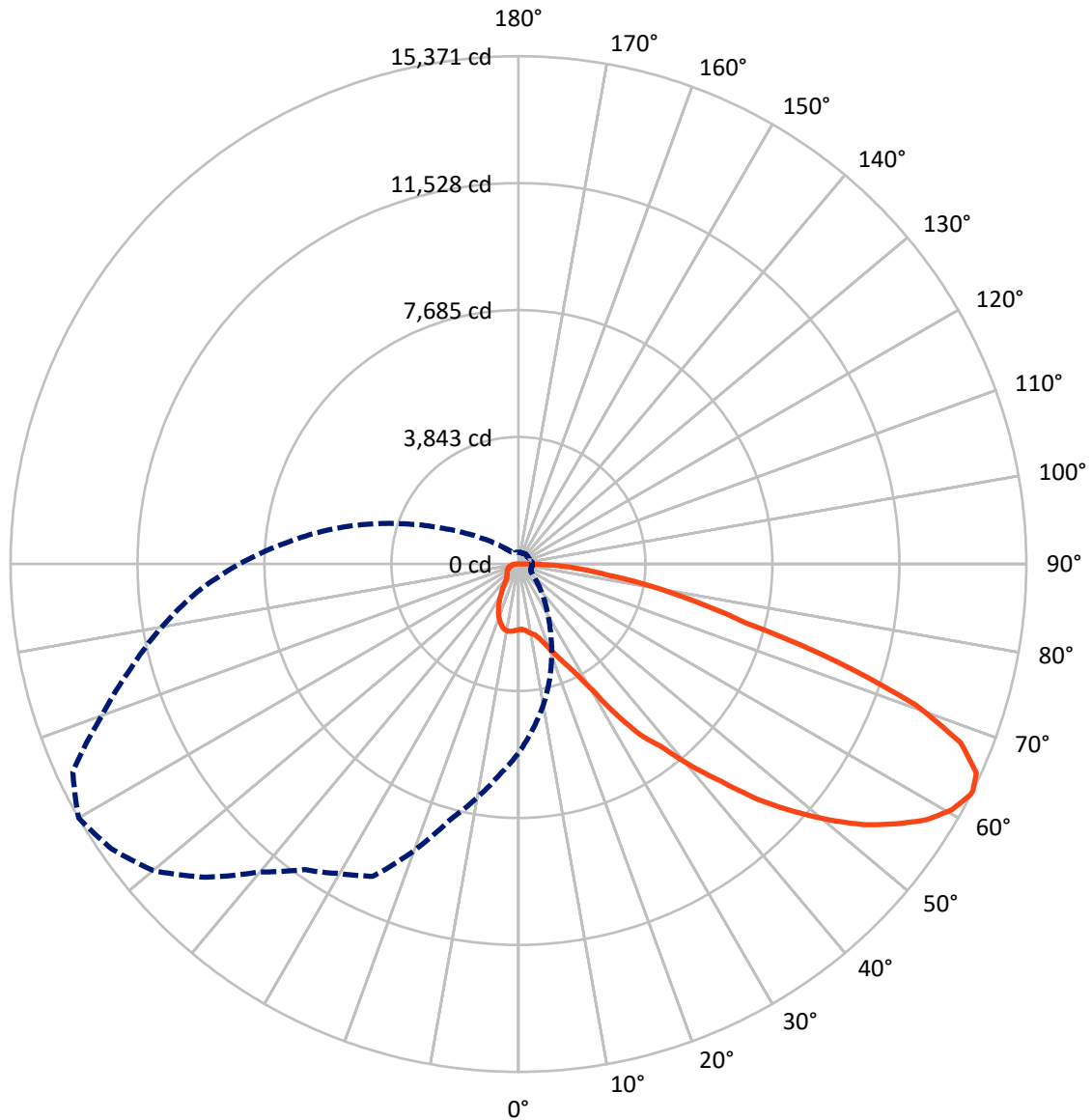
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	3382.9	0.0	3382.9
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	12777.7	0.0	12777.7
	% Fixture	79.1	0.0	79.1
Total	Lumens	16160.6	0.0	16160.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.9	1.2
10°-20°	608.4	3.8
20°-30°	1075.9	6.7
30°-40°	1698.5	10.5
40°-50°	2497.7	15.5
50°-60°	3290.1	20.4
60°-70°	3667.1	22.7
70°-80°	2409.4	14.9
80°-90°	718.5	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°	16160.6	100.0
0°-180°	16160.6	100.0

Coefficient of Utilization



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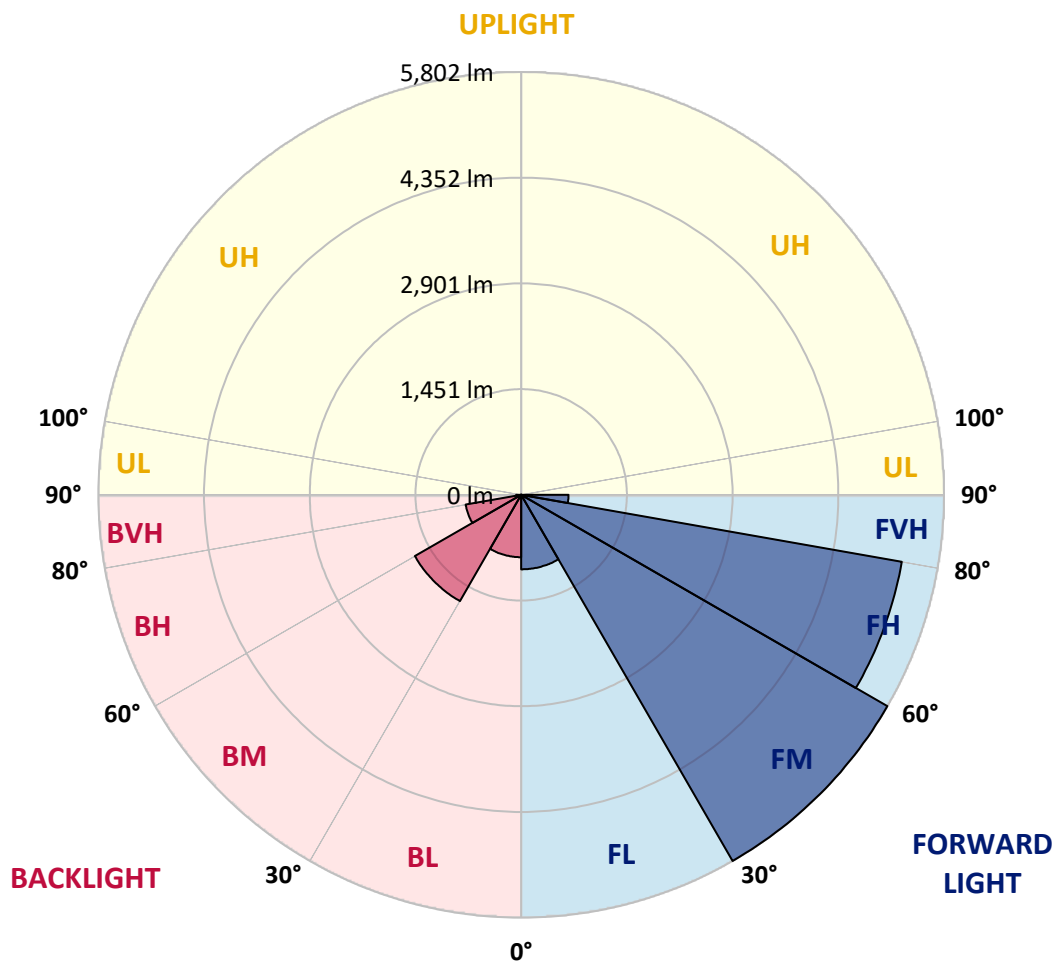
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1022.8	6.3			
FM	(30°-60°)	5802.1	35.9			
FH	(60°-80°)	5303.4	32.8			G3/7500
FVH	(80°-90°)	649.4	4.0			G4/750
BL	(0°-30°)	856.4	5.3	B2/1000		
BM	(30°-60°)	1684.3	10.4	B2/2500		
BH	(60°-80°)	773.1	4.8	B2/1000		G2/1000
BVH	(80°-90°)	69.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8
2.5°	1982.4	1986.0	1986.0	1982.4	1986.0	1984.8	1984.8	1988.4	1989.6	1995.6	1992.0
5°	1972.8	1974.0	1975.2	1972.8	1974.0	1974.0	1976.4	1980.0	1981.2	1988.4	1984.8
7.5°	1962.0	1964.4	1959.6	1960.8	1964.4	1969.2	1969.2	1974.0	1982.4	1986.0	1984.8
10°	1968.0	1965.6	1962.0	1960.8	1963.2	1964.4	1966.8	1975.2	1982.4	1986.0	1992.0
12.5°	2014.8	2007.6	2004.0	2002.8	2004.0	2001.6	2010.0	2012.4	2014.8	2019.6	2017.2
15°	2103.6	2094.0	2088.0	2082.0	2095.2	2089.2	2089.2	2082.0	2070.0	2052.0	2029.2
17.5°	2227.2	2216.4	2211.6	2209.2	2210.4	2199.6	2178.0	2143.2	2101.2	2053.2	2008.8
20°	2404.8	2421.6	2414.4	2382.0	2370.0	2322.0	2253.6	2181.6	2108.4	2031.6	1958.4
22.5°	2712.0	2702.4	2670.0	2589.6	2517.6	2409.6	2287.2	2170.8	2062.8	1951.2	1855.2
25°	3068.4	2988.0	2896.8	2738.4	2572.8	2395.2	2218.8	2080.8	1936.8	1814.4	1699.2
27.5°	3505.2	3331.2	3098.4	2840.4	2593.2	2356.8	2148.0	1965.6	1801.2	1670.4	1542.0
30°	3934.8	3644.4	3320.4	2978.4	2644.8	2325.6	2049.6	1838.4	1648.8	1480.8	1351.2
32.5°	4232.4	3880.8	3477.6	3055.2	2649.6	2275.2	1941.6	1689.6	1476.0	1306.8	1150.8
35°	4477.2	4038.0	3532.8	3043.2	2572.8	2157.6	1786.8	1507.2	1280.4	1105.2	968.4
37.5°	4645.2	4118.4	3529.2	2973.6	2436.0	1970.4	1609.2	1324.8	1113.6	950.4	824.4
40°	4762.8	4143.6	3482.4	2854.8	2278.8	1789.2	1419.6	1160.4	975.6	848.4	757.2
42.5°	4819.2	4126.8	3412.8	2742.0	2122.8	1642.8	1276.8	1050.0	900.0	804.0	736.8
45°	4843.2	4086.0	3334.8	2631.6	1995.6	1516.8	1203.6	1016.4	898.8	816.0	742.8
47.5°	4837.2	4041.6	3265.2	2540.4	1920.0	1483.2	1218.0	1062.0	943.2	840.0	746.4
50°	4820.4	4000.8	3220.8	2506.8	1918.8	1533.6	1298.4	1138.8	994.8	861.6	742.8
52.5°	4819.2	3997.2	3244.8	2546.4	1988.4	1647.6	1419.6	1227.6	1045.2	885.6	744.0
55°	4848.0	4062.0	3346.8	2653.2	2156.4	1807.2	1556.4	1322.4	1101.6	902.4	740.4
57.5°	4964.4	4224.0	3540.0	2892.0	2372.4	2001.6	1688.4	1393.2	1123.2	897.6	723.6
60°	5220.0	4508.4	3837.6	3229.2	2649.6	2179.2	1766.4	1417.2	1113.6	868.8	687.6
62.5°	5618.4	4920.0	4245.6	3560.4	2895.6	2286.0	1784.4	1398.0	1075.2	820.8	643.2
63°	5720.4	5014.8	4328.4	3628.8	2937.6	2296.8	1783.2	1390.8	1064.4	808.8	632.4
65°	6146.4	5421.6	4660.8	3854.4	3050.4	2318.4	1755.6	1345.2	1016.4	752.4	583.2
67.5°	6787.2	5870.4	4990.8	4064.4	3112.8	2280.0	1669.2	1232.4	892.8	654.0	510.0
70°	7214.4	6168.0	5187.6	4132.8	3039.6	2104.8	1471.2	1033.2	729.6	538.8	435.6
72.5°	7225.2	5901.6	4921.2	3777.6	2624.4	1736.4	1152.0	781.2	567.6	438.0	375.6
75°	6453.6	4987.2	4022.4	3102.0	2019.6	1227.6	810.0	570.0	435.6	361.2	325.2
77.5°	4797.6	3638.4	2902.8	2086.8	1311.6	795.6	564.0	422.4	345.6	298.8	272.4
80°	2977.2	2274.0	1761.6	1248.0	786.0	529.2	412.8	336.0	290.4	249.6	228.0
82.5°	1795.2	1273.2	994.8	753.6	502.8	381.6	318.0	283.2	246.0	210.0	193.2
85°	1315.2	910.8	667.2	465.6	310.8	252.0	223.2	216.0	190.8	162.0	152.4
87.5°	414.0	434.4	451.2	274.8	150.0	114.0	97.2	114.0	109.2	76.8	84.0
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°	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8
2.5°	1998.0	2002.8	1999.2	1999.2	1996.8	1995.6	2004.0	2001.6	2004.0	2002.8	2005.2
5°	1990.8	1994.4	1992.0	1994.4	1992.0	1992.0	2002.8	2002.8	2007.6	2010.0	2016.0
7.5°	1993.2	1994.4	1993.2	1996.8	1994.4	1992.0	1998.0	2001.6	2010.0	2017.2	2023.2
10°	2001.6	2005.2	2004.0	2004.0	1996.8	1992.0	1995.6	1998.0	2006.4	2010.0	2017.2
12.5°	2022.0	2017.2	2007.6	2001.6	1984.8	1975.2	1970.4	1968.0	1974.0	1978.8	1982.4
15°	2017.2	1990.8	1969.2	1951.2	1926.0	1910.4	1898.4	1897.2	1898.4	1899.6	1903.2
17.5°	1968.0	1932.0	1888.8	1866.0	1837.2	1820.4	1812.0	1806.0	1804.8	1807.2	1813.2
20°	1897.2	1844.4	1796.4	1756.8	1725.6	1699.2	1705.2	1692.0	1698.0	1701.6	1712.4
22.5°	1789.2	1716.0	1660.8	1612.8	1575.6	1548.0	1548.0	1536.0	1538.4	1549.2	1563.6
25°	1614.0	1545.6	1466.4	1432.8	1390.8	1371.6	1368.0	1365.6	1375.2	1388.4	1396.8
27.5°	1455.6	1362.0	1284.0	1239.6	1195.2	1200.0	1176.0	1190.4	1201.2	1212.0	1221.6
30°	1242.0	1165.2	1094.4	1050.0	997.2	998.4	1002.0	1004.4	1014.0	1028.4	1047.6
32.5°	1036.8	954.0	888.0	840.0	808.8	799.2	786.0	807.6	819.6	834.0	853.2
35°	867.6	781.2	726.0	684.0	666.0	652.8	649.2	646.8	657.6	664.8	680.4
37.5°	746.4	687.6	646.8	616.8	600.0	585.6	582.0	579.6	578.4	576.0	585.6
40°	697.2	650.4	615.6	588.0	572.4	564.0	560.4	555.6	550.8	544.8	543.6
42.5°	682.8	632.4	591.6	564.0	552.0	550.8	550.8	548.4	543.6	535.2	529.2
45°	676.8	615.6	568.8	547.2	538.8	540.0	540.0	540.0	536.4	528.0	518.4
47.5°	666.0	595.2	547.2	529.2	525.6	528.0	530.4	530.4	528.0	520.8	510.0
50°	645.6	564.0	513.6	496.8	495.6	496.8	496.8	499.2	496.8	490.8	481.2
52.5°	630.0	540.0	488.4	475.2	475.2	474.0	472.8	472.8	471.6	466.8	459.6
55°	615.6	524.4	477.6	466.8	469.2	469.2	466.8	465.6	460.8	454.8	447.6
57.5°	595.2	507.6	466.8	459.6	462.0	460.8	459.6	458.4	453.6	446.4	436.8
60°	559.2	477.6	445.2	440.4	444.0	445.2	450.0	451.2	448.8	440.4	427.2
62.5°	519.6	440.4	416.4	412.8	416.4	420.0	423.6	421.2	421.2	412.8	400.8
63°	506.4	434.4	408.0	408.0	411.6	415.2	417.6	415.2	416.4	406.8	394.8
65°	476.4	412.8	392.4	393.6	397.2	399.6	400.8	400.8	399.6	392.4	381.6
67.5°	426.0	381.6	369.6	375.6	380.4	381.6	381.6	384.0	381.6	376.8	367.2
70°	380.4	351.6	343.2	350.4	352.8	354.0	354.0	354.0	351.6	346.8	338.4
72.5°	345.6	331.2	330.0	328.8	330.0	326.4	326.4	324.0	318.0	314.4	307.2
75°	307.2	300.0	301.2	300.0	297.6	296.4	290.4	288.0	280.8	276.0	266.4
77.5°	264.0	265.2	264.0	265.2	267.6	268.8	260.4	254.4	248.4	243.6	238.8
80°	219.6	222.0	219.6	222.0	223.2	223.2	214.8	205.2	200.4	204.0	205.2
82.5°	195.6	195.6	186.0	188.4	186.0	182.4	176.4	172.8	169.2	166.8	172.8
85°	154.8	156.0	158.4	156.0	151.2	147.6	141.6	136.8	133.2	136.8	145.2
87.5°	92.4	99.6	96.0	96.0	94.8	94.8	90.0	87.6	84.0	98.4	105.6
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°	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8
2.5°	2004.0	2007.6	2008.8	2007.6	2008.8	2011.2	2001.6	2011.2	2012.4	2005.2	2007.6
5°	2020.8	2026.8	2035.2	2035.2	2041.2	2044.8	2040.0	2053.2	2055.6	2054.4	2060.4
7.5°	2032.8	2041.2	2052.0	2058.0	2068.8	2073.6	2077.2	2089.2	2091.6	2096.4	2101.2
10°	2031.6	2043.6	2053.2	2070.0	2083.2	2092.8	2100.0	2113.2	2118.0	2125.2	2128.8
12.5°	1996.8	2010.0	2028.0	2052.0	2076.0	2091.6	2110.8	2130.0	2137.2	2146.8	2152.8
15°	1918.8	1929.6	1954.8	1986.0	2018.4	2058.0	2085.6	2115.6	2128.8	2138.4	2146.8
17.5°	1816.8	1826.4	1849.2	1876.8	1920.0	1958.4	2000.4	2046.0	2068.8	2079.6	2083.2
20°	1722.0	1736.4	1742.4	1774.8	1789.2	1827.6	1863.6	1914.0	1942.8	1962.0	1974.0
22.5°	1573.2	1580.4	1611.6	1624.8	1635.6	1659.6	1704.0	1748.4	1786.8	1818.0	1827.6
25°	1408.8	1428.0	1444.8	1455.6	1480.8	1482.0	1518.0	1549.2	1597.2	1627.2	1651.2
27.5°	1227.6	1256.4	1266.0	1273.2	1292.4	1315.2	1328.4	1359.6	1387.2	1422.0	1465.2
30°	1045.2	1072.8	1092.0	1102.8	1120.8	1142.4	1152.0	1172.4	1208.4	1246.8	1280.4
32.5°	874.8	903.6	913.2	948.0	952.8	973.2	980.4	1012.8	1033.2	1065.6	1105.2
35°	708.0	738.0	766.8	786.0	807.6	806.4	825.6	855.6	873.6	907.2	933.6
37.5°	594.0	612.0	632.4	654.0	678.0	696.0	714.0	727.2	741.6	764.4	788.4
40°	543.6	548.4	556.8	570.0	586.8	600.0	613.2	624.0	634.8	652.8	668.4
42.5°	523.2	519.6	519.6	517.2	523.2	530.4	541.2	544.8	561.6	572.4	578.4
45°	508.8	500.4	494.4	487.2	484.8	487.2	493.2	501.6	512.4	516.0	516.0
47.5°	500.4	487.2	477.6	466.8	460.8	460.8	464.4	470.4	476.4	477.6	476.4
50°	471.6	458.4	446.4	436.8	432.0	432.0	433.2	441.6	442.8	440.4	441.6
52.5°	450.0	436.8	424.8	416.4	410.4	411.6	415.2	418.8	422.4	420.0	417.6
55°	436.8	421.2	410.4	400.8	393.6	396.0	399.6	404.4	410.4	406.8	403.2
57.5°	424.8	411.6	398.4	388.8	380.4	382.8	386.4	393.6	400.8	393.6	388.8
60°	414.0	400.8	387.6	378.0	368.4	370.8	375.6	382.8	388.8	379.2	373.2
62.5°	387.6	375.6	366.0	361.2	355.2	358.8	362.4	370.8	368.4	358.8	351.6
63°	382.8	370.8	362.4	357.6	352.8	357.6	358.8	367.2	363.6	354.0	348.0
65°	368.4	358.8	350.4	345.6	340.8	343.2	343.2	346.8	342.0	334.8	330.0
67.5°	355.2	344.4	336.0	326.4	321.6	319.2	318.0	316.8	313.2	309.6	308.4
70°	326.4	319.2	312.0	303.6	296.4	291.6	289.2	286.8	284.4	283.2	282.0
72.5°	295.2	289.2	282.0	277.2	271.2	267.6	261.6	260.4	258.0	255.6	254.4
75°	261.6	254.4	252.0	247.2	243.6	241.2	236.4	235.2	232.8	229.2	228.0
77.5°	231.6	229.2	225.6	224.4	218.4	214.8	212.4	211.2	208.8	206.4	204.0
80°	206.4	205.2	202.8	201.6	198.0	193.2	190.8	192.0	188.4	187.2	183.6
82.5°	186.0	187.2	187.2	183.6	180.0	174.0	171.6	175.2	172.8	168.0	163.2
85°	158.4	157.2	158.4	157.2	150.0	144.0	141.6	144.0	142.8	135.6	134.4
87.5°	112.8	111.6	109.2	116.4	106.8	86.4	88.8	100.8	97.2	93.6	91.2
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8
2.5°	2012.4	2008.8	2011.2	2012.4	2008.8	2017.2	2008.8	2010.0	2012.4	2005.2	2004.0
5°	2065.2	2065.2	2074.8	2076.0	2074.8	2085.6	2084.4	2085.6	2083.2	2082.0	2077.2
7.5°	2108.4	2113.2	2120.4	2131.2	2134.8	2143.2	2145.6	2146.8	2151.6	2156.4	2154.0
10°	2139.6	2152.8	2158.8	2169.6	2180.4	2186.4	2192.4	2202.0	2205.6	2209.2	2204.4
12.5°	2161.2	2176.8	2186.4	2199.6	2212.8	2222.4	2233.2	2245.2	2257.2	2260.8	2254.8
15°	2150.4	2168.4	2182.8	2197.2	2217.6	2235.6	2256.0	2277.6	2293.2	2299.2	2292.0
17.5°	2083.2	2101.2	2122.8	2144.4	2166.0	2199.6	2228.4	2264.4	2289.6	2307.6	2310.0
20°	1990.8	2001.6	2032.8	2054.4	2089.2	2128.8	2172.0	2214.0	2242.8	2275.2	2294.4
22.5°	1854.0	1875.6	1910.4	1947.6	1982.4	2034.0	2079.6	2134.8	2184.0	2228.4	2270.4
25°	1687.2	1717.2	1758.0	1809.6	1855.2	1910.4	1976.4	2037.6	2120.4	2190.0	2280.0
27.5°	1507.2	1562.4	1618.8	1672.8	1723.2	1785.6	1854.0	1922.4	2017.2	2128.8	2246.4
30°	1336.8	1382.4	1453.2	1515.6	1574.4	1651.2	1722.0	1797.6	1887.6	2019.6	2152.8
32.5°	1159.2	1196.4	1251.6	1328.4	1396.8	1486.8	1549.2	1639.2	1743.6	1882.8	2034.0
35°	975.6	1027.2	1071.6	1124.4	1176.0	1266.0	1359.6	1459.2	1579.2	1728.0	1893.6
37.5°	813.6	846.0	867.6	921.6	967.2	1044.0	1153.2	1273.2	1405.2	1556.4	1734.0
40°	679.2	699.6	723.6	759.6	798.0	867.6	968.4	1102.8	1240.8	1392.0	1569.6
42.5°	586.8	600.0	602.4	630.0	666.0	734.4	814.8	938.4	1090.8	1249.2	1426.8
45°	523.2	523.2	522.0	534.0	562.8	621.6	694.8	805.2	950.4	1116.0	1300.8
47.5°	478.8	482.4	481.2	486.0	505.2	548.4	614.4	708.0	840.0	1002.0	1188.0
50°	445.2	450.0	451.2	452.4	459.6	495.6	552.0	627.6	745.2	900.0	1087.2
52.5°	418.8	420.0	420.0	418.8	421.2	441.6	488.4	558.0	667.2	806.4	986.4
55°	404.4	405.6	405.6	405.6	405.6	418.8	452.4	508.8	596.4	727.2	890.4
57.5°	387.6	387.6	390.0	390.0	390.0	394.8	418.8	465.6	532.8	637.2	782.4
60°	373.2	376.8	381.6	382.8	381.6	381.6	393.6	424.8	469.2	544.8	667.2
62.5°	351.6	356.4	362.4	364.8	366.0	363.6	369.6	382.8	409.2	448.8	531.6
63°	348.0	352.8	357.6	360.0	361.2	358.8	363.6	374.4	396.0	428.4	502.8
65°	332.4	338.4	339.6	340.8	339.6	338.4	337.2	337.2	343.2	355.2	394.8
67.5°	310.8	314.4	314.4	316.8	310.8	308.4	306.0	303.6	300.0	301.2	315.6
70°	285.6	288.0	286.8	285.6	283.2	279.6	277.2	273.6	266.4	264.0	271.2
72.5°	256.8	259.2	259.2	259.2	254.4	252.0	249.6	247.2	244.8	247.2	249.6
75°	230.4	230.4	232.8	231.6	228.0	225.6	224.4	223.2	223.2	223.2	222.0
77.5°	205.2	204.0	204.0	200.4	198.0	196.8	199.2	200.4	199.2	196.8	195.6
80°	183.6	177.6	171.6	166.8	165.6	168.0	170.4	177.6	174.0	174.0	171.6
82.5°	156.0	142.8	134.4	135.6	132.0	133.2	135.6	144.0	141.6	142.8	147.6
85°	124.8	112.8	99.6	102.0	102.0	99.6	105.6	108.0	110.4	116.4	111.6
87.5°	87.6	76.8	63.6	55.2	57.6	60.0	62.4	60.0	52.8	55.2	54.0
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8
2.5°	2001.6	2002.8	2002.8	1994.4	1992.0	1994.4	1993.2	1993.2	1986.0	1987.2	1984.8
5°	2074.8	2077.2	2070.0	2064.0	2055.6	2054.4	2053.2	2048.4	2043.6	2034.0	2029.2
7.5°	2152.8	2142.0	2139.6	2128.8	2125.2	2115.6	2108.4	2101.2	2095.2	2090.4	2086.8
10°	2202.0	2193.6	2191.2	2172.0	2166.0	2154.0	2146.8	2138.4	2131.2	2124.0	2122.8
12.5°	2246.4	2232.0	2223.6	2197.2	2185.2	2172.0	2166.0	2158.8	2156.4	2155.2	2160.0
15°	2281.2	2260.8	2245.2	2221.2	2211.6	2204.4	2205.6	2202.0	2216.4	2224.8	2240.4
17.5°	2304.0	2295.6	2292.0	2274.0	2280.0	2280.0	2296.8	2305.2	2331.6	2353.2	2374.8
20°	2316.0	2331.6	2361.6	2367.6	2382.0	2397.6	2422.8	2437.2	2464.8	2496.0	2526.0
22.5°	2326.8	2392.8	2454.0	2499.6	2532.0	2568.0	2586.0	2616.0	2635.2	2658.0	2703.6
25°	2386.8	2497.2	2605.2	2664.0	2740.8	2792.4	2833.2	2863.2	2896.8	2916.0	2967.6
27.5°	2370.0	2510.4	2654.4	2762.4	2882.4	2979.6	3066.0	3123.6	3166.8	3236.4	3279.6
30°	2293.2	2456.4	2630.4	2784.0	2952.0	3110.4	3260.4	3394.8	3510.0	3603.6	3667.2
32.5°	2184.0	2371.2	2575.2	2764.8	2979.6	3190.8	3406.8	3612.0	3807.6	3962.4	4059.6
35°	2061.6	2263.2	2488.8	2713.2	2971.2	3247.2	3538.8	3814.8	4098.0	4345.2	4539.6
37.5°	1912.8	2131.2	2378.4	2638.8	2935.2	3266.4	3633.6	4009.2	4370.4	4744.8	5018.4
40°	1756.8	1970.4	2227.2	2524.8	2866.8	3256.8	3706.8	4194.0	4717.2	5199.6	5616.0
42.5°	1623.6	1832.4	2101.2	2395.2	2763.6	3220.8	3756.0	4359.6	5004.0	5629.2	6182.4
45°	1492.8	1716.0	1987.2	2298.0	2700.0	3206.4	3819.6	4503.6	5239.2	5980.8	6686.4
47.5°	1389.6	1610.4	1884.0	2217.6	2648.4	3198.0	3879.6	4638.0	5431.2	6242.4	7078.8
50°	1291.2	1502.4	1768.8	2120.4	2594.4	3184.8	3915.6	4744.8	5581.2	6447.6	7357.2
52.5°	1190.4	1410.0	1669.2	2010.0	2523.6	3158.4	3926.4	4828.8	5736.0	6644.4	7617.6
55°	1088.4	1308.0	1567.2	1920.0	2427.6	3106.8	3918.0	4890.0	5898.0	6852.0	7855.2
57.5°	963.6	1179.6	1450.8	1806.0	2304.0	3003.6	3877.2	4916.4	5998.8	7046.4	8094.0
60°	823.2	1027.2	1284.0	1646.4	2152.8	2854.8	3786.0	4879.2	6044.4	7174.8	8347.2
62.5°	646.8	824.4	1060.8	1420.8	1933.2	2640.0	3586.8	4714.8	5934.0	7142.4	8456.4
63°	607.2	778.8	1022.4	1360.8	1868.4	2565.6	3528.0	4658.4	5884.8	7112.4	8443.2
65°	463.2	590.4	792.0	1094.4	1579.2	2222.4	3218.4	4339.2	5575.2	6813.6	8235.6
67.5°	342.0	408.0	531.6	734.4	1111.2	1729.2	2637.6	3747.6	4917.6	6081.6	7528.8
70°	283.2	308.4	366.0	470.4	687.6	1147.2	1863.6	2852.4	3952.8	4954.8	6261.6
72.5°	253.2	271.2	297.6	344.4	434.4	673.2	1212.0	1851.6	2752.8	3619.2	4723.2
75°	226.8	238.8	260.4	288.0	328.8	421.2	640.8	1098.0	1682.4	2438.4	3240.0
77.5°	199.2	211.2	232.8	254.4	280.8	320.4	397.2	625.2	1006.8	1423.2	1988.4
80°	172.8	178.8	196.8	228.0	247.2	279.6	304.8	391.2	548.4	745.2	1059.6
82.5°	142.8	144.0	156.0	180.0	204.0	216.0	223.2	246.0	315.6	393.6	519.6
85°	102.0	97.2	104.4	114.0	133.2	122.4	130.8	138.0	168.0	202.8	372.0
87.5°	45.6	36.0	42.0	46.8	42.0	28.8	42.0	34.8	43.2	85.2	96.0
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°	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	0°
2.5°	1987.2	1980.0	1980.0	1978.8	1980.0	1977.6	1972.8	1972.8	1976.4	1975.2	1975.2	2.5°
5°	2029.2	2019.6	2017.2	2016.0	2016.0	2010.0	2002.8	1999.2	1998.0	1993.2	1989.6	5°
7.5°	2084.4	2078.4	2082.0	2074.8	2072.4	2071.2	2061.6	2054.4	2043.6	2038.8	2020.8	7.5°
10°	2130.0	2126.4	2136.0	2134.8	2136.0	2136.0	2122.8	2115.6	2100.0	2091.6	2068.8	10°
12.5°	2169.6	2172.0	2190.0	2190.0	2193.6	2198.4	2191.2	2175.6	2169.6	2161.2	2137.2	12.5°
15°	2270.4	2280.0	2293.2	2314.8	2320.8	2322.0	2328.0	2314.8	2299.2	2277.6	2248.8	15°
17.5°	2407.2	2426.4	2470.8	2502.0	2508.0	2514.0	2510.4	2508.0	2479.2	2461.2	2431.2	17.5°
20°	2578.8	2625.6	2688.0	2731.2	2750.4	2752.8	2776.8	2760.0	2733.6	2697.6	2654.4	20°
22.5°	2770.8	2848.8	2928.0	2991.6	3028.8	3045.6	3070.8	3046.8	3012.0	2990.4	2932.8	22.5°
25°	3033.6	3118.8	3210.0	3260.4	3355.2	3382.8	3397.2	3390.0	3354.0	3369.6	3316.8	25°
27.5°	3393.6	3466.8	3595.2	3658.8	3747.6	3799.2	3788.4	3848.4	3859.2	3896.4	3902.4	27.5°
30°	3786.0	3907.2	4080.0	4208.4	4344.0	4431.6	4501.2	4554.0	4615.2	4718.4	4780.8	30°
32.5°	4209.6	4384.8	4605.6	4878.0	5166.0	5401.2	5666.4	5712.0	5848.8	5809.2	5782.8	32.5°
35°	4681.2	4902.0	5185.2	5542.8	5961.6	6350.4	6606.0	6734.4	6788.4	6818.4	6636.0	35°
37.5°	5312.4	5611.2	5926.8	6316.8	6637.2	7000.8	7294.8	7614.0	7760.4	7690.8	7341.6	37.5°
40°	6012.0	6291.6	6718.8	7038.0	7416.0	8014.8	8413.2	8797.2	8917.2	8685.6	8138.4	40°
42.5°	6714.0	7098.0	7561.2	8014.8	8449.2	8991.6	9519.6	9898.8	10030.8	9634.8	8985.6	42.5°
45°	7339.2	7831.2	8376.0	8841.6	9448.8	10158.0	10804.8	11109.6	11085.6	10449.6	9718.8	45°
47.5°	7884.0	8522.4	9136.8	9764.4	10376.4	11176.8	11817.6	12168.0	11919.6	11251.2	10423.2	47.5°
50°	8334.0	9105.6	9847.2	10568.4	11319.6	12170.4	12788.4	13112.4	12734.4	11888.4	10963.2	50°
52.5°	8676.0	9632.4	10486.8	11293.2	12190.8	13110.0	13659.6	13855.2	13266.0	12381.6	11367.6	52.5°
55°	8998.8	10080.0	11025.6	11941.2	13058.4	13882.8	14397.6	14361.6	13600.8	12596.4	11620.8	55°
57.5°	9242.4	10461.6	11468.4	12511.2	13714.8	14595.6	14893.2	14655.6	13740.0	12660.0	11694.0	57.5°
60°	9549.6	10759.2	11862.0	13026.0	14338.8	15084.0	15123.6	14697.6	13700.4	12540.0	11590.8	60°
62.5°	9746.4	10945.2	12112.8	13378.8	14814.0	15358.8	15075.6	14516.4	13472.4	12243.6	11354.4	62.5°
63°	9765.6	10963.2	12133.2	13413.6	14881.2	15370.8	15031.2	14434.8	13405.2	12162.0	11292.0	63°
65°	9679.2	10911.6	12039.6	13351.2	14898.0	15229.2	14706.0	14100.0	13034.4	11745.6	10924.8	65°
67.5°	9075.6	10357.2	11433.6	12663.6	14250.0	14433.6	13909.2	13250.4	12249.6	10848.0	10122.0	67.5°
70°	7994.4	9212.4	9975.6	11118.0	12513.6	12733.2	12264.0	11754.0	10864.8	9693.6	9091.2	70°
72.5°	6440.4	7636.8	8095.2	8970.0	10078.8	10030.8	9700.8	9637.2	9169.2	8186.4	7824.0	72.5°
75°	4814.4	5953.2	6146.4	6502.8	7122.0	7106.4	7183.2	7456.8	7690.8	7110.0	6645.6	75°
77.5°	3175.2	4308.0	4428.0	4843.2	5014.8	5485.2	6037.2	6724.8	7065.6	6828.0	6258.0	77.5°
80°	1756.8	2947.2	2923.2	3085.2	3388.8	4072.8	4909.2	5930.4	6612.0	6441.6	5817.6	80°
82.5°	913.2	1862.4	1834.8	1863.6	2145.6	2720.4	3356.4	4191.6	4896.0	4911.6	4701.6	82.5°
85°	679.2	1336.8	1416.0	1480.8	1668.0	1868.4	1984.8	2252.4	2638.8	2998.8	3127.2	85°
87.5°	249.6	802.8	999.6	1074.0	1078.8	1053.6	858.0	944.4	859.2	1016.4	1419.6	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°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8
1977.6	1977.6	1976.4	1978.8	1980.0	1983.6	1982.4
1986.0	1982.4	1978.8	1976.4	1974.0	1975.2	1972.8
2007.6	1995.6	1986.0	1977.6	1970.4	1969.2	1962.0
2055.6	2034.0	2016.0	2002.8	1988.4	1981.2	1968.0
2116.8	2092.8	2070.0	2050.8	2034.0	2024.4	2014.8
2223.6	2188.8	2161.2	2140.8	2124.0	2113.2	2103.6
2382.0	2338.8	2296.8	2257.2	2252.4	2227.2	2227.2
2600.4	2541.6	2487.6	2454.0	2438.4	2404.8	2404.8
2902.8	2845.2	2764.8	2724.0	2727.6	2698.8	2712.0
3294.0	3246.0	3163.2	3146.4	3146.4	3115.2	3068.4
3880.8	3864.0	3772.8	3795.6	3747.6	3631.2	3505.2
4752.0	4752.0	4575.6	4448.4	4338.0	4156.8	3934.8
5624.4	5510.4	5240.4	5024.4	4795.2	4518.0	4232.4
6361.2	6057.6	5784.0	5520.0	5175.6	4878.0	4477.2
6982.8	6694.8	6381.6	5979.6	5575.2	5160.0	4645.2
7753.2	7402.8	6932.4	6427.2	5930.4	5359.2	4762.8
8457.6	8018.4	7424.4	6784.8	6152.4	5515.2	4819.2
9120.0	8553.6	7820.4	7052.4	6332.4	5611.2	4843.2
9744.0	8984.4	8131.2	7243.2	6456.0	5662.8	4837.2
10155.6	9300.0	8326.8	7358.4	6530.4	5680.8	4820.4
10413.6	9493.2	8442.0	7422.0	6567.6	5684.4	4819.2
10558.8	9602.4	8504.4	7466.4	6608.4	5706.0	4848.0
10671.6	9688.8	8574.0	7542.0	6705.6	5806.8	4964.4
10778.4	9915.6	8755.2	7681.2	6874.8	5995.2	5220.0
10822.8	10346.4	9123.6	7938.0	7111.2	6297.6	5618.4
10819.2	10428.0	9230.4	8008.8	7173.6	6378.0	5720.4
10688.4	10687.2	9716.4	8347.2	7464.0	6750.0	6146.4
10300.8	10816.8	10254.0	8793.6	7915.2	7363.2	6787.2
9687.6	10659.6	10327.2	8911.2	8235.6	7926.0	7214.4
8631.6	9908.4	9642.0	8409.6	8126.4	8036.4	7225.2
6981.6	7965.6	7851.6	7184.4	7288.8	7473.6	6453.6
5624.4	5593.2	5576.4	5334.0	5778.0	6153.6	4797.6
4698.0	3870.0	3594.0	3500.4	4232.4	4520.4	2977.2
4392.0	3476.4	2788.8	2671.2	3171.6	3325.2	1795.2
3356.4	3375.6	2922.0	2504.4	2467.2	2258.4	1315.2
1642.8	1670.4	1765.2	1611.6	1382.4	1165.2	414.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)