

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: P145770

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145770
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-E06-E
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
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

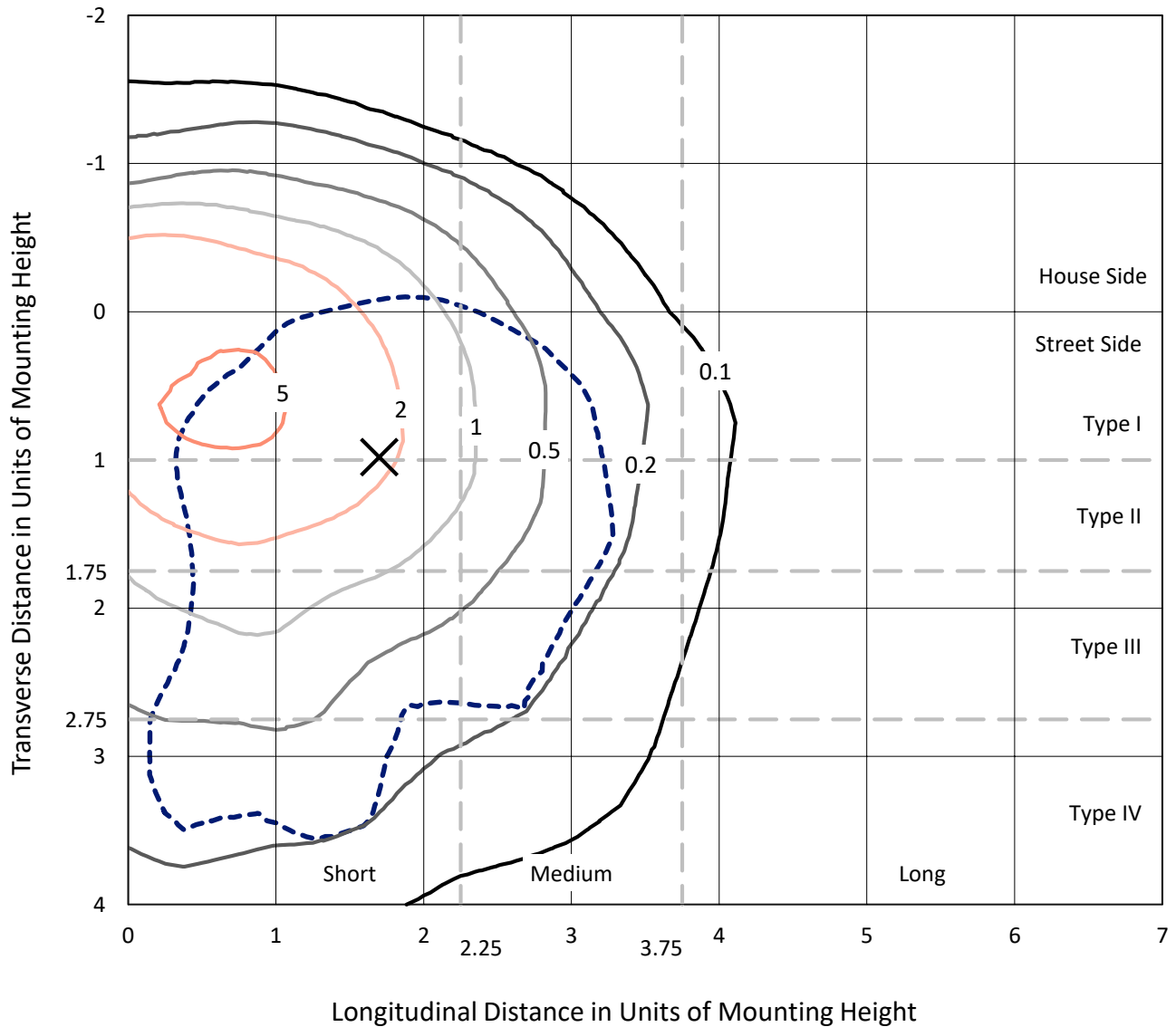
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

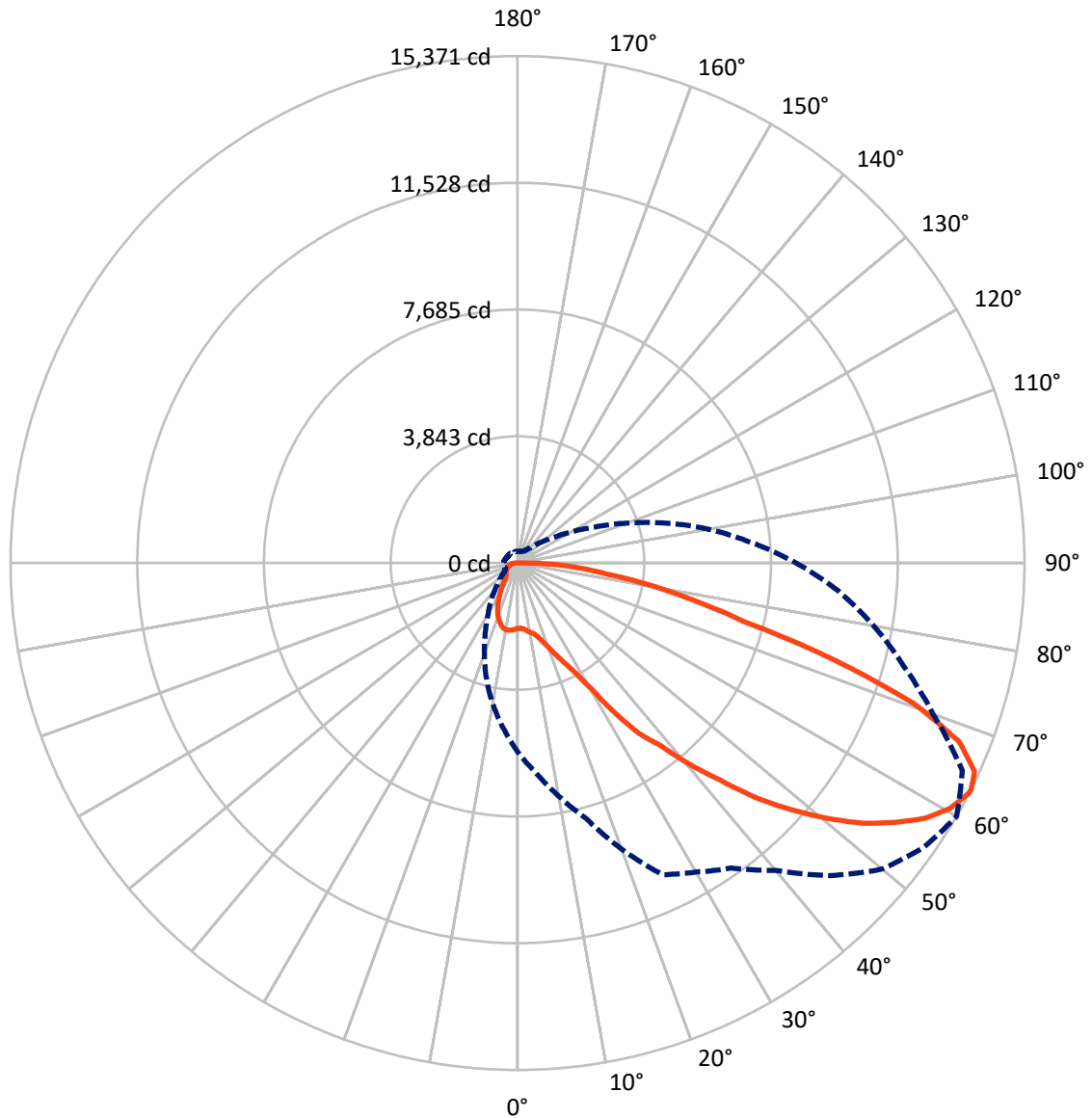
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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
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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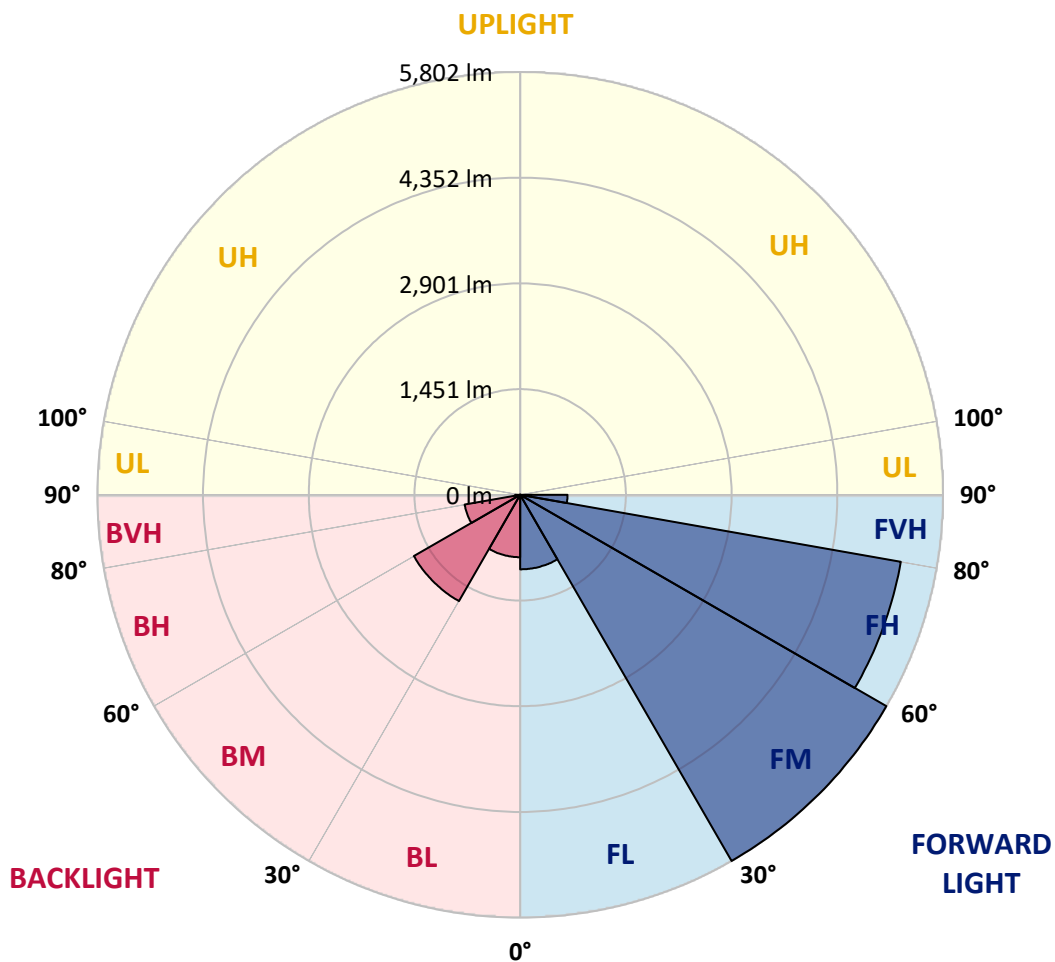
CATALOG NUMBER: LDRL-SLL-E06-E

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	1983.6	1980.0	1978.8	1976.4	1977.6	1977.6	1975.2	1975.2	1976.4	1972.8
5°	1972.8	1975.2	1974.0	1976.4	1978.8	1982.4	1986.0	1989.6	1993.2	1998.0	1999.2
7.5°	1962.0	1969.2	1970.4	1977.6	1986.0	1995.6	2007.6	2020.8	2038.8	2043.6	2054.4
10°	1968.0	1981.2	1988.4	2002.8	2016.0	2034.0	2055.6	2068.8	2091.6	2100.0	2115.6
12.5°	2014.8	2024.4	2034.0	2050.8	2070.0	2092.8	2116.8	2137.2	2161.2	2169.6	2175.6
15°	2103.6	2113.2	2124.0	2140.8	2161.2	2188.8	2223.6	2248.8	2277.6	2299.2	2314.8
17.5°	2227.2	2227.2	2252.4	2257.2	2296.8	2338.8	2382.0	2431.2	2461.2	2479.2	2508.0
20°	2404.8	2404.8	2438.4	2454.0	2487.6	2541.6	2600.4	2654.4	2697.6	2733.6	2760.0
22.5°	2712.0	2698.8	2727.6	2724.0	2764.8	2845.2	2902.8	2932.8	2990.4	3012.0	3046.8
25°	3068.4	3115.2	3146.4	3146.4	3163.2	3246.0	3294.0	3316.8	3369.6	3354.0	3390.0
27.5°	3505.2	3631.2	3747.6	3795.6	3772.8	3864.0	3880.8	3902.4	3896.4	3859.2	3848.4
30°	3934.8	4156.8	4338.0	4448.4	4575.6	4752.0	4752.0	4780.8	4718.4	4615.2	4554.0
32.5°	4232.4	4518.0	4795.2	5024.4	5240.4	5510.4	5624.4	5782.8	5809.2	5848.8	5712.0
35°	4477.2	4878.0	5175.6	5520.0	5784.0	6057.6	6361.2	6636.0	6818.4	6788.4	6734.4
37.5°	4645.2	5160.0	5575.2	5979.6	6381.6	6694.8	6982.8	7341.6	7690.8	7760.4	7614.0
40°	4762.8	5359.2	5930.4	6427.2	6932.4	7402.8	7753.2	8138.4	8685.6	8917.2	8797.2
42.5°	4819.2	5515.2	6152.4	6784.8	7424.4	8018.4	8457.6	8985.6	9634.8	10030.8	9898.8
45°	4843.2	5611.2	6332.4	7052.4	7820.4	8553.6	9120.0	9718.8	10449.6	11085.6	11109.6
47.5°	4837.2	5662.8	6456.0	7243.2	8131.2	8984.4	9744.0	10423.2	11251.2	11919.6	12168.0
50°	4820.4	5680.8	6530.4	7358.4	8326.8	9300.0	10155.6	10963.2	11888.4	12734.4	13112.4
52.5°	4819.2	5684.4	6567.6	7422.0	8442.0	9493.2	10413.6	11367.6	12381.6	13266.0	13855.2
55°	4848.0	5706.0	6608.4	7466.4	8504.4	9602.4	10558.8	11620.8	12596.4	13600.8	14361.6
57.5°	4964.4	5806.8	6705.6	7542.0	8574.0	9688.8	10671.6	11694.0	12660.0	13740.0	14655.6
60°	5220.0	5995.2	6874.8	7681.2	8755.2	9915.6	10778.4	11590.8	12540.0	13700.4	14697.6
62.5°	5618.4	6297.6	7111.2	7938.0	9123.6	10346.4	10822.8	11354.4	12243.6	13472.4	14516.4
63°	5720.4	6378.0	7173.6	8008.8	9230.4	10428.0	10819.2	11292.0	12162.0	13405.2	14434.8
65°	6146.4	6750.0	7464.0	8347.2	9716.4	10687.2	10688.4	10924.8	11745.6	13034.4	14100.0
67.5°	6787.2	7363.2	7915.2	8793.6	10254.0	10816.8	10300.8	10122.0	10848.0	12249.6	13250.4
70°	7214.4	7926.0	8235.6	8911.2	10327.2	10659.6	9687.6	9091.2	9693.6	10864.8	11754.0
72.5°	7225.2	8036.4	8126.4	8409.6	9642.0	9908.4	8631.6	7824.0	8186.4	9169.2	9637.2
75°	6453.6	7473.6	7288.8	7184.4	7851.6	7965.6	6981.6	6645.6	7110.0	7690.8	7456.8
77.5°	4797.6	6153.6	5778.0	5334.0	5576.4	5593.2	5624.4	6258.0	6828.0	7065.6	6724.8
80°	2977.2	4520.4	4232.4	3500.4	3594.0	3870.0	4698.0	5817.6	6441.6	6612.0	5930.4
82.5°	1795.2	3325.2	3171.6	2671.2	2788.8	3476.4	4392.0	4701.6	4911.6	4896.0	4191.6
85°	1315.2	2258.4	2467.2	2504.4	2922.0	3375.6	3356.4	3127.2	2998.8	2638.8	2252.4
87.5°	414.0	1165.2	1382.4	1611.6	1765.2	1670.4	1642.8	1419.6	1016.4	859.2	944.4
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°	1972.8	1977.6	1980.0	1978.8	1980.0	1980.0	1987.2	1984.8	1987.2	1986.0	1993.2
5°	2002.8	2010.0	2016.0	2016.0	2017.2	2019.6	2029.2	2029.2	2034.0	2043.6	2048.4
7.5°	2061.6	2071.2	2072.4	2074.8	2082.0	2078.4	2084.4	2086.8	2090.4	2095.2	2101.2
10°	2122.8	2136.0	2136.0	2134.8	2136.0	2126.4	2130.0	2122.8	2124.0	2131.2	2138.4
12.5°	2191.2	2198.4	2193.6	2190.0	2190.0	2172.0	2169.6	2160.0	2155.2	2156.4	2158.8
15°	2328.0	2322.0	2320.8	2314.8	2293.2	2280.0	2270.4	2240.4	2224.8	2216.4	2202.0
17.5°	2510.4	2514.0	2508.0	2502.0	2470.8	2426.4	2407.2	2374.8	2353.2	2331.6	2305.2
20°	2776.8	2752.8	2750.4	2731.2	2688.0	2625.6	2578.8	2526.0	2496.0	2464.8	2437.2
22.5°	3070.8	3045.6	3028.8	2991.6	2928.0	2848.8	2770.8	2703.6	2658.0	2635.2	2616.0
25°	3397.2	3382.8	3355.2	3260.4	3210.0	3118.8	3033.6	2967.6	2916.0	2896.8	2863.2
27.5°	3788.4	3799.2	3747.6	3658.8	3595.2	3466.8	3393.6	3279.6	3236.4	3166.8	3123.6
30°	4501.2	4431.6	4344.0	4208.4	4080.0	3907.2	3786.0	3667.2	3603.6	3510.0	3394.8
32.5°	5666.4	5401.2	5166.0	4878.0	4605.6	4384.8	4209.6	4059.6	3962.4	3807.6	3612.0
35°	6606.0	6350.4	5961.6	5542.8	5185.2	4902.0	4681.2	4539.6	4345.2	4098.0	3814.8
37.5°	7294.8	7000.8	6637.2	6316.8	5926.8	5611.2	5312.4	5018.4	4744.8	4370.4	4009.2
40°	8413.2	8014.8	7416.0	7038.0	6718.8	6291.6	6012.0	5616.0	5199.6	4717.2	4194.0
42.5°	9519.6	8991.6	8449.2	8014.8	7561.2	7098.0	6714.0	6182.4	5629.2	5004.0	4359.6
45°	10804.8	10158.0	9448.8	8841.6	8376.0	7831.2	7339.2	6686.4	5980.8	5239.2	4503.6
47.5°	11817.6	11176.8	10376.4	9764.4	9136.8	8522.4	7884.0	7078.8	6242.4	5431.2	4638.0
50°	12788.4	12170.4	11319.6	10568.4	9847.2	9105.6	8334.0	7357.2	6447.6	5581.2	4744.8
52.5°	13659.6	13110.0	12190.8	11293.2	10486.8	9632.4	8676.0	7617.6	6644.4	5736.0	4828.8
55°	14397.6	13882.8	13058.4	11941.2	11025.6	10080.0	8998.8	7855.2	6852.0	5898.0	4890.0
57.5°	14893.2	14595.6	13714.8	12511.2	11468.4	10461.6	9242.4	8094.0	7046.4	5998.8	4916.4
60°	15123.6	15084.0	14338.8	13026.0	11862.0	10759.2	9549.6	8347.2	7174.8	6044.4	4879.2
62.5°	15075.6	15358.8	14814.0	13378.8	12112.8	10945.2	9746.4	8456.4	7142.4	5934.0	4714.8
63°	15031.2	15370.8	14881.2	13413.6	12133.2	10963.2	9765.6	8443.2	7112.4	5884.8	4658.4
65°	14706.0	15229.2	14898.0	13351.2	12039.6	10911.6	9679.2	8235.6	6813.6	5575.2	4339.2
67.5°	13909.2	14433.6	14250.0	12663.6	11433.6	10357.2	9075.6	7528.8	6081.6	4917.6	3747.6
70°	12264.0	12733.2	12513.6	11118.0	9975.6	9212.4	7994.4	6261.6	4954.8	3952.8	2852.4
72.5°	9700.8	10030.8	10078.8	8970.0	8095.2	7636.8	6440.4	4723.2	3619.2	2752.8	1851.6
75°	7183.2	7106.4	7122.0	6502.8	6146.4	5953.2	4814.4	3240.0	2438.4	1682.4	1098.0
77.5°	6037.2	5485.2	5014.8	4843.2	4428.0	4308.0	3175.2	1988.4	1423.2	1006.8	625.2
80°	4909.2	4072.8	3388.8	3085.2	2923.2	2947.2	1756.8	1059.6	745.2	548.4	391.2
82.5°	3356.4	2720.4	2145.6	1863.6	1834.8	1862.4	913.2	519.6	393.6	315.6	246.0
85°	1984.8	1868.4	1668.0	1480.8	1416.0	1336.8	679.2	372.0	202.8	168.0	138.0
87.5°	858.0	1053.6	1078.8	1074.0	999.6	802.8	249.6	96.0	85.2	43.2	34.8
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°	1993.2	1994.4	1992.0	1994.4	2002.8	2002.8	2001.6	2004.0	2005.2	2012.4	2010.0
5°	2053.2	2054.4	2055.6	2064.0	2070.0	2077.2	2074.8	2077.2	2082.0	2083.2	2085.6
7.5°	2108.4	2115.6	2125.2	2128.8	2139.6	2142.0	2152.8	2154.0	2156.4	2151.6	2146.8
10°	2146.8	2154.0	2166.0	2172.0	2191.2	2193.6	2202.0	2204.4	2209.2	2205.6	2202.0
12.5°	2166.0	2172.0	2185.2	2197.2	2223.6	2232.0	2246.4	2254.8	2260.8	2257.2	2245.2
15°	2205.6	2204.4	2211.6	2221.2	2245.2	2260.8	2281.2	2292.0	2299.2	2293.2	2277.6
17.5°	2296.8	2280.0	2280.0	2274.0	2292.0	2295.6	2304.0	2310.0	2307.6	2289.6	2264.4
20°	2422.8	2397.6	2382.0	2367.6	2361.6	2331.6	2316.0	2294.4	2275.2	2242.8	2214.0
22.5°	2586.0	2568.0	2532.0	2499.6	2454.0	2392.8	2326.8	2270.4	2228.4	2184.0	2134.8
25°	2833.2	2792.4	2740.8	2664.0	2605.2	2497.2	2386.8	2280.0	2190.0	2120.4	2037.6
27.5°	3066.0	2979.6	2882.4	2762.4	2654.4	2510.4	2370.0	2246.4	2128.8	2017.2	1922.4
30°	3260.4	3110.4	2952.0	2784.0	2630.4	2456.4	2293.2	2152.8	2019.6	1887.6	1797.6
32.5°	3406.8	3190.8	2979.6	2764.8	2575.2	2371.2	2184.0	2034.0	1882.8	1743.6	1639.2
35°	3538.8	3247.2	2971.2	2713.2	2488.8	2263.2	2061.6	1893.6	1728.0	1579.2	1459.2
37.5°	3633.6	3266.4	2935.2	2638.8	2378.4	2131.2	1912.8	1734.0	1556.4	1405.2	1273.2
40°	3706.8	3256.8	2866.8	2524.8	2227.2	1970.4	1756.8	1569.6	1392.0	1240.8	1102.8
42.5°	3756.0	3220.8	2763.6	2395.2	2101.2	1832.4	1623.6	1426.8	1249.2	1090.8	938.4
45°	3819.6	3206.4	2700.0	2298.0	1987.2	1716.0	1492.8	1300.8	1116.0	950.4	805.2
47.5°	3879.6	3198.0	2648.4	2217.6	1884.0	1610.4	1389.6	1188.0	1002.0	840.0	708.0
50°	3915.6	3184.8	2594.4	2120.4	1768.8	1502.4	1291.2	1087.2	900.0	745.2	627.6
52.5°	3926.4	3158.4	2523.6	2010.0	1669.2	1410.0	1190.4	986.4	806.4	667.2	558.0
55°	3918.0	3106.8	2427.6	1920.0	1567.2	1308.0	1088.4	890.4	727.2	596.4	508.8
57.5°	3877.2	3003.6	2304.0	1806.0	1450.8	1179.6	963.6	782.4	637.2	532.8	465.6
60°	3786.0	2854.8	2152.8	1646.4	1284.0	1027.2	823.2	667.2	544.8	469.2	424.8
62.5°	3586.8	2640.0	1933.2	1420.8	1060.8	824.4	646.8	531.6	448.8	409.2	382.8
63°	3528.0	2565.6	1868.4	1360.8	1022.4	778.8	607.2	502.8	428.4	396.0	374.4
65°	3218.4	2222.4	1579.2	1094.4	792.0	590.4	463.2	394.8	355.2	343.2	337.2
67.5°	2637.6	1729.2	1111.2	734.4	531.6	408.0	342.0	315.6	301.2	300.0	303.6
70°	1863.6	1147.2	687.6	470.4	366.0	308.4	283.2	271.2	264.0	266.4	273.6
72.5°	1212.0	673.2	434.4	344.4	297.6	271.2	253.2	249.6	247.2	244.8	247.2
75°	640.8	421.2	328.8	288.0	260.4	238.8	226.8	222.0	223.2	223.2	223.2
77.5°	397.2	320.4	280.8	254.4	232.8	211.2	199.2	195.6	196.8	199.2	200.4
80°	304.8	279.6	247.2	228.0	196.8	178.8	172.8	171.6	174.0	174.0	177.6
82.5°	223.2	216.0	204.0	180.0	156.0	144.0	142.8	147.6	142.8	141.6	144.0
85°	130.8	122.4	133.2	114.0	104.4	97.2	102.0	111.6	116.4	110.4	108.0
87.5°	42.0	28.8	42.0	46.8	42.0	36.0	45.6	54.0	55.2	52.8	60.0
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-SLL-E06-E

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°	2008.8	2017.2	2008.8	2012.4	2011.2	2008.8	2012.4	2007.6	2005.2	2012.4	2011.2
5°	2084.4	2085.6	2074.8	2076.0	2074.8	2065.2	2065.2	2060.4	2054.4	2055.6	2053.2
7.5°	2145.6	2143.2	2134.8	2131.2	2120.4	2113.2	2108.4	2101.2	2096.4	2091.6	2089.2
10°	2192.4	2186.4	2180.4	2169.6	2158.8	2152.8	2139.6	2128.8	2125.2	2118.0	2113.2
12.5°	2233.2	2222.4	2212.8	2199.6	2186.4	2176.8	2161.2	2152.8	2146.8	2137.2	2130.0
15°	2256.0	2235.6	2217.6	2197.2	2182.8	2168.4	2150.4	2146.8	2138.4	2128.8	2115.6
17.5°	2228.4	2199.6	2166.0	2144.4	2122.8	2101.2	2083.2	2083.2	2079.6	2068.8	2046.0
20°	2172.0	2128.8	2089.2	2054.4	2032.8	2001.6	1990.8	1974.0	1962.0	1942.8	1914.0
22.5°	2079.6	2034.0	1982.4	1947.6	1910.4	1875.6	1854.0	1827.6	1818.0	1786.8	1748.4
25°	1976.4	1910.4	1855.2	1809.6	1758.0	1717.2	1687.2	1651.2	1627.2	1597.2	1549.2
27.5°	1854.0	1785.6	1723.2	1672.8	1618.8	1562.4	1507.2	1465.2	1422.0	1387.2	1359.6
30°	1722.0	1651.2	1574.4	1515.6	1453.2	1382.4	1336.8	1280.4	1246.8	1208.4	1172.4
32.5°	1549.2	1486.8	1396.8	1328.4	1251.6	1196.4	1159.2	1105.2	1065.6	1033.2	1012.8
35°	1359.6	1266.0	1176.0	1124.4	1071.6	1027.2	975.6	933.6	907.2	873.6	855.6
37.5°	1153.2	1044.0	967.2	921.6	867.6	846.0	813.6	788.4	764.4	741.6	727.2
40°	968.4	867.6	798.0	759.6	723.6	699.6	679.2	668.4	652.8	634.8	624.0
42.5°	814.8	734.4	666.0	630.0	602.4	600.0	586.8	578.4	572.4	561.6	544.8
45°	694.8	621.6	562.8	534.0	522.0	523.2	523.2	516.0	516.0	512.4	501.6
47.5°	614.4	548.4	505.2	486.0	481.2	482.4	478.8	476.4	477.6	476.4	470.4
50°	552.0	495.6	459.6	452.4	451.2	450.0	445.2	441.6	440.4	442.8	441.6
52.5°	488.4	441.6	421.2	418.8	420.0	420.0	418.8	417.6	420.0	422.4	418.8
55°	452.4	418.8	405.6	405.6	405.6	405.6	404.4	403.2	406.8	410.4	404.4
57.5°	418.8	394.8	390.0	390.0	390.0	387.6	387.6	388.8	393.6	400.8	393.6
60°	393.6	381.6	381.6	382.8	381.6	376.8	373.2	373.2	379.2	388.8	382.8
62.5°	369.6	363.6	366.0	364.8	362.4	356.4	351.6	351.6	358.8	368.4	370.8
63°	363.6	358.8	361.2	360.0	357.6	352.8	348.0	348.0	354.0	363.6	367.2
65°	337.2	338.4	339.6	340.8	339.6	338.4	332.4	330.0	334.8	342.0	346.8
67.5°	306.0	308.4	310.8	316.8	314.4	314.4	310.8	308.4	309.6	313.2	316.8
70°	277.2	279.6	283.2	285.6	286.8	288.0	285.6	282.0	283.2	284.4	286.8
72.5°	249.6	252.0	254.4	259.2	259.2	259.2	256.8	254.4	255.6	258.0	260.4
75°	224.4	225.6	228.0	231.6	232.8	230.4	230.4	228.0	229.2	232.8	235.2
77.5°	199.2	196.8	198.0	200.4	204.0	204.0	205.2	204.0	206.4	208.8	211.2
80°	170.4	168.0	165.6	166.8	171.6	177.6	183.6	183.6	187.2	188.4	192.0
82.5°	135.6	133.2	132.0	135.6	134.4	142.8	156.0	163.2	168.0	172.8	175.2
85°	105.6	99.6	102.0	102.0	99.6	112.8	124.8	134.4	135.6	142.8	144.0
87.5°	62.4	60.0	57.6	55.2	63.6	76.8	87.6	91.2	93.6	97.2	100.8
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-E06-E

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	2011.2	2008.8	2007.6	2008.8	2007.6	2004.0	2005.2	2002.8	2004.0	2001.6
5°	2040.0	2044.8	2041.2	2035.2	2035.2	2026.8	2020.8	2016.0	2010.0	2007.6	2002.8
7.5°	2077.2	2073.6	2068.8	2058.0	2052.0	2041.2	2032.8	2023.2	2017.2	2010.0	2001.6
10°	2100.0	2092.8	2083.2	2070.0	2053.2	2043.6	2031.6	2017.2	2010.0	2006.4	1998.0
12.5°	2110.8	2091.6	2076.0	2052.0	2028.0	2010.0	1996.8	1982.4	1978.8	1974.0	1968.0
15°	2085.6	2058.0	2018.4	1986.0	1954.8	1929.6	1918.8	1903.2	1899.6	1898.4	1897.2
17.5°	2000.4	1958.4	1920.0	1876.8	1849.2	1826.4	1816.8	1813.2	1807.2	1804.8	1806.0
20°	1863.6	1827.6	1789.2	1774.8	1742.4	1736.4	1722.0	1712.4	1701.6	1698.0	1692.0
22.5°	1704.0	1659.6	1635.6	1624.8	1611.6	1580.4	1573.2	1563.6	1549.2	1538.4	1536.0
25°	1518.0	1482.0	1480.8	1455.6	1444.8	1428.0	1408.8	1396.8	1388.4	1375.2	1365.6
27.5°	1328.4	1315.2	1292.4	1273.2	1266.0	1256.4	1227.6	1221.6	1212.0	1201.2	1190.4
30°	1152.0	1142.4	1120.8	1102.8	1092.0	1072.8	1045.2	1047.6	1028.4	1014.0	1004.4
32.5°	980.4	973.2	952.8	948.0	913.2	903.6	874.8	853.2	834.0	819.6	807.6
35°	825.6	806.4	807.6	786.0	766.8	738.0	708.0	680.4	664.8	657.6	646.8
37.5°	714.0	696.0	678.0	654.0	632.4	612.0	594.0	585.6	576.0	578.4	579.6
40°	613.2	600.0	586.8	570.0	556.8	548.4	543.6	543.6	544.8	550.8	555.6
42.5°	541.2	530.4	523.2	517.2	519.6	519.6	523.2	529.2	535.2	543.6	548.4
45°	493.2	487.2	484.8	487.2	494.4	500.4	508.8	518.4	528.0	536.4	540.0
47.5°	464.4	460.8	460.8	466.8	477.6	487.2	500.4	510.0	520.8	528.0	530.4
50°	433.2	432.0	432.0	436.8	446.4	458.4	471.6	481.2	490.8	496.8	499.2
52.5°	415.2	411.6	410.4	416.4	424.8	436.8	450.0	459.6	466.8	471.6	472.8
55°	399.6	396.0	393.6	400.8	410.4	421.2	436.8	447.6	454.8	460.8	465.6
57.5°	386.4	382.8	380.4	388.8	398.4	411.6	424.8	436.8	446.4	453.6	458.4
60°	375.6	370.8	368.4	378.0	387.6	400.8	414.0	427.2	440.4	448.8	451.2
62.5°	362.4	358.8	355.2	361.2	366.0	375.6	387.6	400.8	412.8	421.2	421.2
63°	358.8	357.6	352.8	357.6	362.4	370.8	382.8	394.8	406.8	416.4	415.2
65°	343.2	343.2	340.8	345.6	350.4	358.8	368.4	381.6	392.4	399.6	400.8
67.5°	318.0	319.2	321.6	326.4	336.0	344.4	355.2	367.2	376.8	381.6	384.0
70°	289.2	291.6	296.4	303.6	312.0	319.2	326.4	338.4	346.8	351.6	354.0
72.5°	261.6	267.6	271.2	277.2	282.0	289.2	295.2	307.2	314.4	318.0	324.0
75°	236.4	241.2	243.6	247.2	252.0	254.4	261.6	266.4	276.0	280.8	288.0
77.5°	212.4	214.8	218.4	224.4	225.6	229.2	231.6	238.8	243.6	248.4	254.4
80°	190.8	193.2	198.0	201.6	202.8	205.2	206.4	205.2	204.0	200.4	205.2
82.5°	171.6	174.0	180.0	183.6	187.2	187.2	186.0	172.8	166.8	169.2	172.8
85°	141.6	144.0	150.0	157.2	158.4	157.2	158.4	145.2	136.8	133.2	136.8
87.5°	88.8	86.4	106.8	116.4	109.2	111.6	112.8	105.6	98.4	84.0	87.6
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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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°	2004.0	1995.6	1996.8	1999.2	1999.2	2002.8	1998.0	1992.0	1995.6	1989.6	1988.4	2.5°
5°	2002.8	1992.0	1992.0	1994.4	1992.0	1994.4	1990.8	1984.8	1988.4	1981.2	1980.0	5°
7.5°	1998.0	1992.0	1994.4	1996.8	1993.2	1994.4	1993.2	1984.8	1986.0	1982.4	1974.0	7.5°
10°	1995.6	1992.0	1996.8	2004.0	2004.0	2005.2	2001.6	1992.0	1986.0	1982.4	1975.2	10°
12.5°	1970.4	1975.2	1984.8	2001.6	2007.6	2017.2	2022.0	2017.2	2019.6	2014.8	2012.4	12.5°
15°	1898.4	1910.4	1926.0	1951.2	1969.2	1990.8	2017.2	2029.2	2052.0	2070.0	2082.0	15°
17.5°	1812.0	1820.4	1837.2	1866.0	1888.8	1932.0	1968.0	2008.8	2053.2	2101.2	2143.2	17.5°
20°	1705.2	1699.2	1725.6	1756.8	1796.4	1844.4	1897.2	1958.4	2031.6	2108.4	2181.6	20°
22.5°	1548.0	1548.0	1575.6	1612.8	1660.8	1716.0	1789.2	1855.2	1951.2	2062.8	2170.8	22.5°
25°	1368.0	1371.6	1390.8	1432.8	1466.4	1545.6	1614.0	1699.2	1814.4	1936.8	2080.8	25°
27.5°	1176.0	1200.0	1195.2	1239.6	1284.0	1362.0	1455.6	1542.0	1670.4	1801.2	1965.6	27.5°
30°	1002.0	998.4	997.2	1050.0	1094.4	1165.2	1242.0	1351.2	1480.8	1648.8	1838.4	30°
32.5°	786.0	799.2	808.8	840.0	888.0	954.0	1036.8	1150.8	1306.8	1476.0	1689.6	32.5°
35°	649.2	652.8	666.0	684.0	726.0	781.2	867.6	968.4	1105.2	1280.4	1507.2	35°
37.5°	582.0	585.6	600.0	616.8	646.8	687.6	746.4	824.4	950.4	1113.6	1324.8	37.5°
40°	560.4	564.0	572.4	588.0	615.6	650.4	697.2	757.2	848.4	975.6	1160.4	40°
42.5°	550.8	550.8	552.0	564.0	591.6	632.4	682.8	736.8	804.0	900.0	1050.0	42.5°
45°	540.0	540.0	538.8	547.2	568.8	615.6	676.8	742.8	816.0	898.8	1016.4	45°
47.5°	530.4	528.0	525.6	529.2	547.2	595.2	666.0	746.4	840.0	943.2	1062.0	47.5°
50°	496.8	496.8	495.6	496.8	513.6	564.0	645.6	742.8	861.6	994.8	1138.8	50°
52.5°	472.8	474.0	475.2	475.2	488.4	540.0	630.0	744.0	885.6	1045.2	1227.6	52.5°
55°	466.8	469.2	469.2	466.8	477.6	524.4	615.6	740.4	902.4	1101.6	1322.4	55°
57.5°	459.6	460.8	462.0	459.6	466.8	507.6	595.2	723.6	897.6	1123.2	1393.2	57.5°
60°	450.0	445.2	444.0	440.4	445.2	477.6	559.2	687.6	868.8	1113.6	1417.2	60°
62.5°	423.6	420.0	416.4	412.8	416.4	440.4	519.6	643.2	820.8	1075.2	1398.0	62.5°
63°	417.6	415.2	411.6	408.0	408.0	434.4	506.4	632.4	808.8	1064.4	1390.8	63°
65°	400.8	399.6	397.2	393.6	392.4	412.8	476.4	583.2	752.4	1016.4	1345.2	65°
67.5°	381.6	381.6	380.4	375.6	369.6	381.6	426.0	510.0	654.0	892.8	1232.4	67.5°
70°	354.0	354.0	352.8	350.4	343.2	351.6	380.4	435.6	538.8	729.6	1033.2	70°
72.5°	326.4	326.4	330.0	328.8	330.0	331.2	345.6	375.6	438.0	567.6	781.2	72.5°
75°	290.4	296.4	297.6	300.0	301.2	300.0	307.2	325.2	361.2	435.6	570.0	75°
77.5°	260.4	268.8	267.6	265.2	264.0	265.2	264.0	272.4	298.8	345.6	422.4	77.5°
80°	214.8	223.2	223.2	222.0	219.6	222.0	219.6	228.0	249.6	290.4	336.0	80°
82.5°	176.4	182.4	186.0	188.4	186.0	195.6	195.6	193.2	210.0	246.0	283.2	82.5°
85°	141.6	147.6	151.2	156.0	158.4	156.0	154.8	152.4	162.0	190.8	216.0	85°
87.5°	90.0	94.8	94.8	96.0	96.0	99.6	92.4	84.0	76.8	109.2	114.0	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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NUMBER: LDRL-SLL-E06-E

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1984.8	1984.8	1984.8	1984.8	1984.8	1984.8	1984.8
1984.8	1984.8	1986.0	1982.4	1986.0	1986.0	1982.4
1976.4	1974.0	1974.0	1972.8	1975.2	1974.0	1972.8
1969.2	1969.2	1964.4	1960.8	1959.6	1964.4	1962.0
1966.8	1964.4	1963.2	1960.8	1962.0	1965.6	1968.0
2010.0	2001.6	2004.0	2002.8	2004.0	2007.6	2014.8
2089.2	2089.2	2095.2	2082.0	2088.0	2094.0	2103.6
2178.0	2199.6	2210.4	2209.2	2211.6	2216.4	2227.2
2253.6	2322.0	2370.0	2382.0	2414.4	2421.6	2404.8
2287.2	2409.6	2517.6	2589.6	2670.0	2702.4	2712.0
2218.8	2395.2	2572.8	2738.4	2896.8	2988.0	3068.4
2148.0	2356.8	2593.2	2840.4	3098.4	3331.2	3505.2
2049.6	2325.6	2644.8	2978.4	3320.4	3644.4	3934.8
1941.6	2275.2	2649.6	3055.2	3477.6	3880.8	4232.4
1786.8	2157.6	2572.8	3043.2	3532.8	4038.0	4477.2
1609.2	1970.4	2436.0	2973.6	3529.2	4118.4	4645.2
1419.6	1789.2	2278.8	2854.8	3482.4	4143.6	4762.8
1276.8	1642.8	2122.8	2742.0	3412.8	4126.8	4819.2
1203.6	1516.8	1995.6	2631.6	3334.8	4086.0	4843.2
1218.0	1483.2	1920.0	2540.4	3265.2	4041.6	4837.2
1298.4	1533.6	1918.8	2506.8	3220.8	4000.8	4820.4
1419.6	1647.6	1988.4	2546.4	3244.8	3997.2	4819.2
1556.4	1807.2	2156.4	2653.2	3346.8	4062.0	4848.0
1688.4	2001.6	2372.4	2892.0	3540.0	4224.0	4964.4
1766.4	2179.2	2649.6	3229.2	3837.6	4508.4	5220.0
1784.4	2286.0	2895.6	3560.4	4245.6	4920.0	5618.4
1783.2	2296.8	2937.6	3628.8	4328.4	5014.8	5720.4
1755.6	2318.4	3050.4	3854.4	4660.8	5421.6	6146.4
1669.2	2280.0	3112.8	4064.4	4990.8	5870.4	6787.2
1471.2	2104.8	3039.6	4132.8	5187.6	6168.0	7214.4
1152.0	1736.4	2624.4	3777.6	4921.2	5901.6	7225.2
810.0	1227.6	2019.6	3102.0	4022.4	4987.2	6453.6
564.0	795.6	1311.6	2086.8	2902.8	3638.4	4797.6
412.8	529.2	786.0	1248.0	1761.6	2274.0	2977.2
318.0	381.6	502.8	753.6	994.8	1273.2	1795.2
223.2	252.0	310.8	465.6	667.2	910.8	1315.2
97.2	114.0	150.0	274.8	451.2	434.4	414.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)