

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: P146064

Luminaire Tested: **LDRL-SLR-F05-E-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P146064  
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-F05-E-7030  
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (35) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10154.2 lumens  
Efficiency: N/A  
Efficacy: 76.2 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G3

Input Watts (W): 133.3  
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

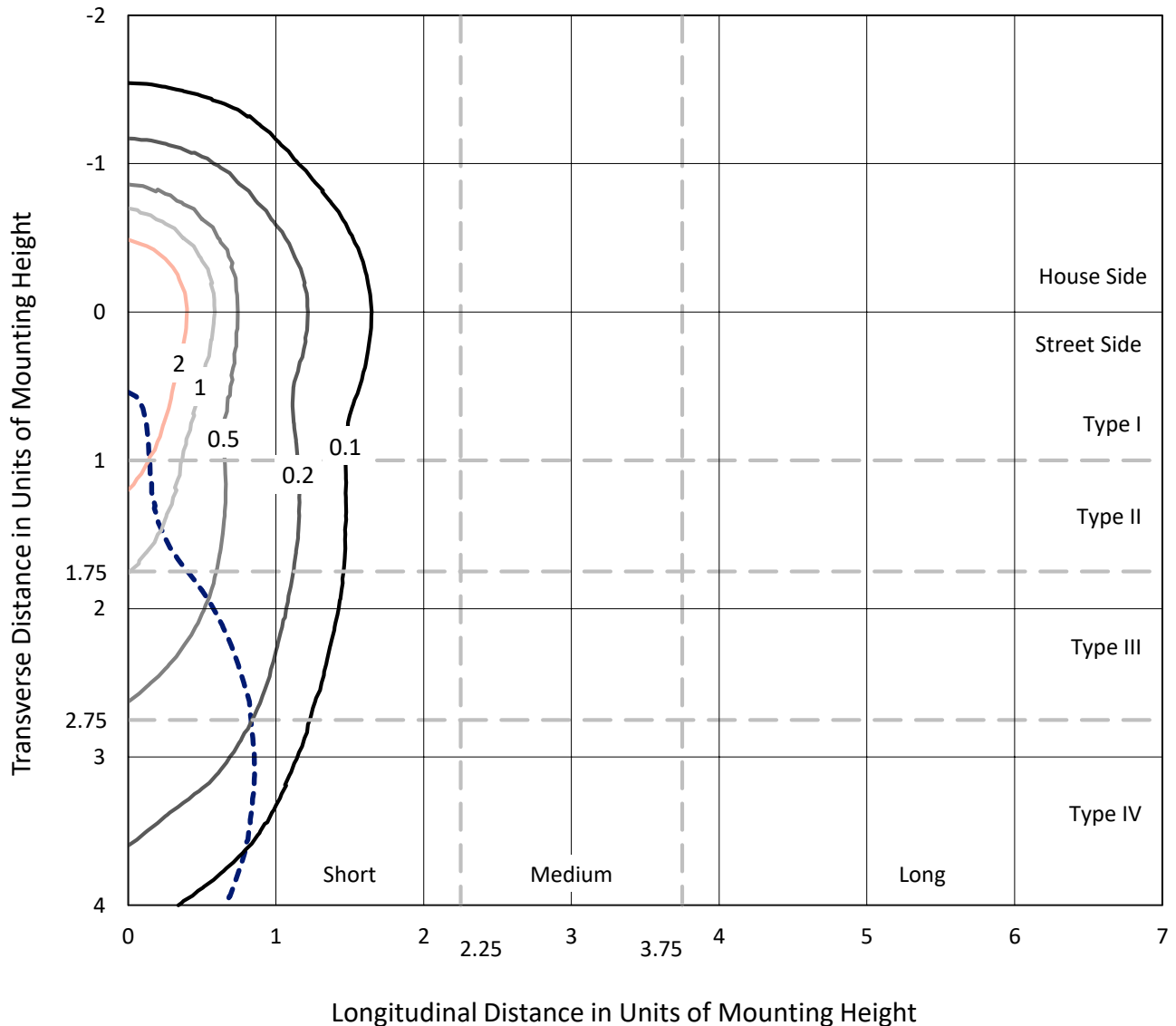


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### Iso-Footcandle Lines of Horizontal Illumination

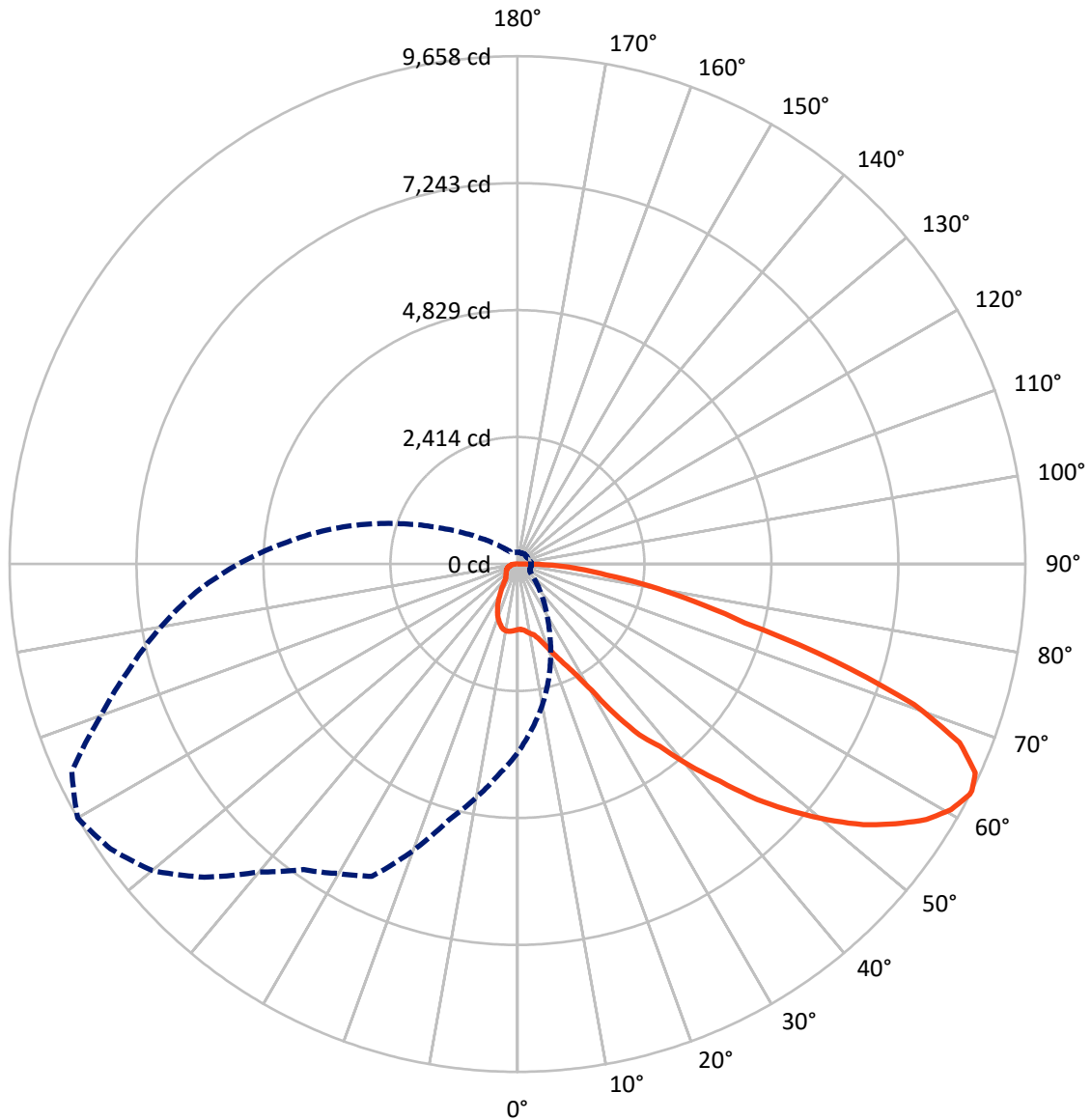
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4 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	2125.6	0.0	2125.6
	% Fixture	20.9	0.0	20.9
<b>Street Side</b>	Lumens	8028.6	0.0	8028.6
	% Fixture	79.1	0.0	79.1
<b>Total</b>	Lumens	10154.2	0.0	10154.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.5	1.2
10°-20°	382.3	3.8
20°-30°	676.0	6.7
30°-40°	1067.2	10.5
40°-50°	1569.4	15.5
50°-60°	2067.3	20.4
60°-70°	2304.2	22.7
70°-80°	1513.9	14.9
80°-90°	451.5	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°	10154.2	100.0
0°-180°	10154.2	100.0

**Coefficient of Utilization**



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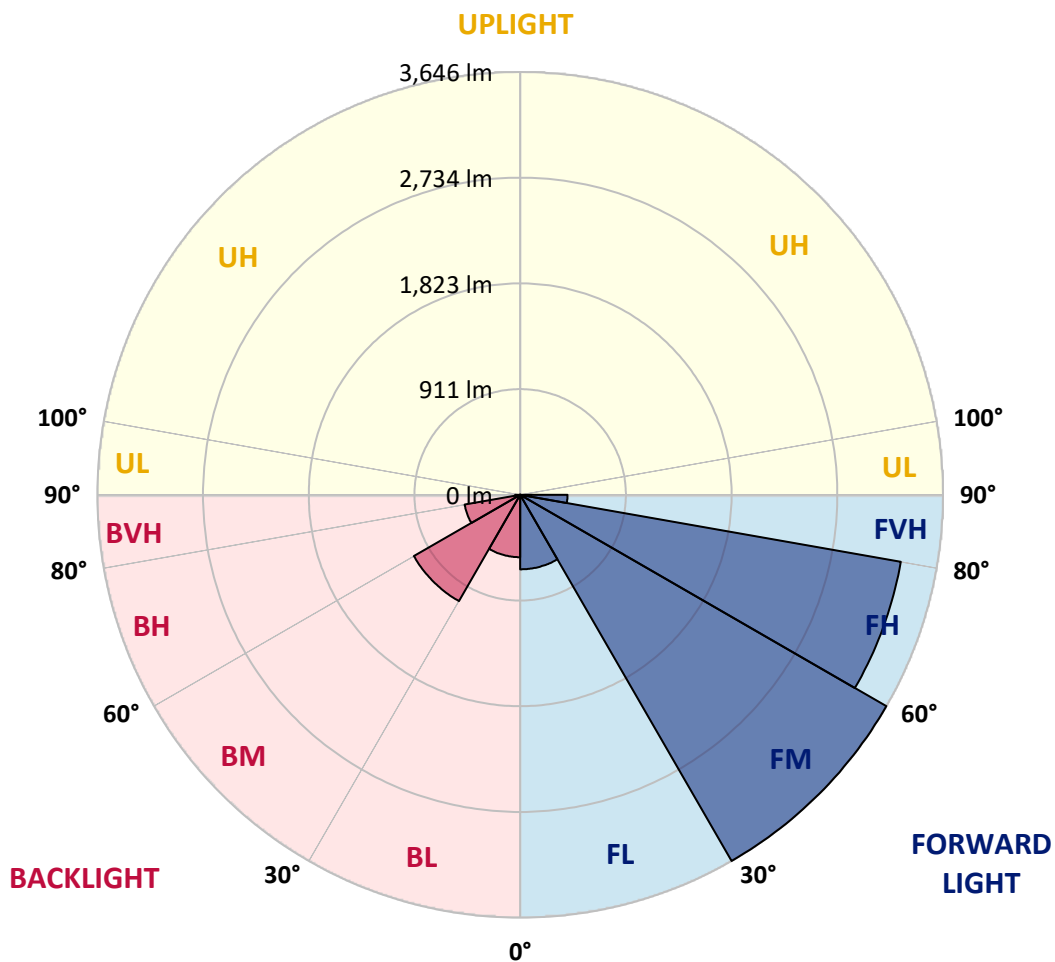
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	642.7	6.3			
FM	(30°-60°)	3645.6	35.9			
FH	(60°-80°)	3332.3	32.8			G2/5000
FVH	(80°-90°)	408.0	4.0			G3/500
BL	(0°-30°)	538.1	5.3	B2/1000		
BM	(30°-60°)	1058.3	10.4	B2/2500		
BH	(60°-80°)	485.8	4.8	B1/500		G1/500
BVH	(80°-90°)	43.4	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°	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1
2.5°	1245.6	1247.9	1247.9	1245.6	1247.9	1247.1	1247.1	1249.4	1250.1	1253.9	1251.6
5°	1239.6	1240.3	1241.1	1239.6	1240.3	1240.3	1241.8	1244.1	1244.8	1249.4	1247.1
7.5°	1232.8	1234.3	1231.3	1232.0	1234.3	1237.3	1237.3	1240.3	1245.6	1247.9	1247.1
10°	1236.5	1235.0	1232.8	1232.0	1233.5	1234.3	1235.8	1241.1	1245.6	1247.9	1251.6
12.5°	1266.0	1261.4	1259.2	1258.4	1259.2	1257.7	1262.9	1264.4	1266.0	1269.0	1267.5
15°	1321.8	1315.7	1311.9	1308.2	1316.5	1312.7	1312.7	1308.2	1300.6	1289.3	1275.0
17.5°	1399.4	1392.6	1389.6	1388.1	1388.9	1382.1	1368.5	1346.6	1320.2	1290.1	1262.2
20°	1511.0	1521.6	1517.0	1496.7	1489.1	1459.0	1416.0	1370.8	1324.8	1276.5	1230.5
22.5°	1704.0	1698.0	1677.6	1627.1	1581.9	1514.0	1437.1	1364.0	1296.1	1226.0	1165.7
25°	1928.0	1877.4	1820.1	1720.6	1616.6	1505.0	1394.1	1307.4	1216.9	1140.0	1067.7
27.5°	2202.4	2093.1	1946.8	1784.7	1629.4	1480.8	1349.6	1235.0	1131.7	1049.6	968.9
30°	2472.3	2289.9	2086.3	1871.4	1661.8	1461.2	1287.8	1155.1	1036.0	930.4	849.0
32.5°	2659.3	2438.4	2185.1	1919.7	1664.8	1429.6	1220.0	1061.6	927.4	821.1	723.1
35°	2813.1	2537.2	2219.8	1912.1	1616.6	1355.7	1122.7	947.0	804.5	694.4	608.5
37.5°	2918.7	2587.7	2217.5	1868.4	1530.6	1238.1	1011.1	832.4	699.7	597.2	518.0
40°	2992.6	2603.5	2188.1	1793.8	1431.8	1124.2	892.0	729.1	613.0	533.1	475.8
42.5°	3028.0	2593.0	2144.4	1722.9	1333.8	1032.2	802.2	659.7	565.5	505.2	463.0
45°	3043.1	2567.3	2095.3	1653.5	1253.9	953.0	756.3	638.6	564.7	512.7	466.7
47.5°	3039.3	2539.5	2051.6	1596.2	1206.4	931.9	765.3	667.3	592.6	527.8	469.0
50°	3028.8	2513.8	2023.7	1575.1	1205.6	963.6	815.8	715.5	625.1	541.4	466.7
52.5°	3028.0	2511.6	2038.8	1600.0	1249.4	1035.2	892.0	771.3	656.7	556.4	467.5
55°	3046.1	2552.3	2102.9	1667.1	1354.9	1135.5	977.9	830.9	692.2	567.0	465.2
57.5°	3119.3	2654.1	2224.3	1817.1	1490.6	1257.7	1060.9	875.4	705.7	564.0	454.7
60°	3279.9	2832.8	2411.3	2029.0	1664.8	1369.3	1109.9	890.5	699.7	545.9	432.0
62.5°	3530.2	3091.4	2667.6	2237.1	1819.4	1436.4	1121.2	878.4	675.6	515.7	404.1
63°	3594.3	3150.9	2719.7	2280.1	1845.8	1443.1	1120.4	873.9	668.8	508.2	397.4
65°	3862.0	3406.5	2928.5	2421.8	1916.7	1456.7	1103.1	845.2	638.6	472.8	366.4
67.5°	4264.6	3688.5	3135.9	2553.8	1955.9	1432.6	1048.8	774.4	561.0	410.9	320.4
70°	4533.0	3875.5	3259.5	2596.8	1909.9	1322.5	924.4	649.2	458.4	338.5	273.7
72.5°	4539.8	3708.1	3092.1	2373.6	1649.0	1091.0	723.8	490.8	356.6	275.2	236.0
75°	4055.0	3133.6	2527.4	1949.1	1269.0	771.3	508.9	358.1	273.7	227.0	204.3
77.5°	3014.5	2286.1	1823.9	1311.2	824.1	499.9	354.4	265.4	217.2	187.7	171.2
80°	1870.7	1428.8	1106.9	784.2	493.9	332.5	259.4	211.1	182.5	156.8	143.3
82.5°	1128.0	800.0	625.1	473.5	315.9	239.8	199.8	177.9	154.6	131.9	121.4
85°	826.4	572.3	419.2	292.5	195.3	158.3	140.2	135.7	119.9	101.8	95.8
87.5°	260.1	272.9	283.5	172.7	94.2	71.6	61.1	71.6	68.6	48.3	52.8
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1
2.5°	1255.4	1258.4	1256.2	1256.2	1254.6	1253.9	1259.2	1257.7	1259.2	1258.4	1259.9
5°	1250.9	1253.1	1251.6	1253.1	1251.6	1251.6	1258.4	1258.4	1261.4	1262.9	1266.7
7.5°	1252.4	1253.1	1252.4	1254.6	1253.1	1251.6	1255.4	1257.7	1262.9	1267.5	1271.2
10°	1257.7	1259.9	1259.2	1259.2	1254.6	1251.6	1253.9	1255.4	1260.7	1262.9	1267.5
12.5°	1270.5	1267.5	1261.4	1257.7	1247.1	1241.1	1238.1	1236.5	1240.3	1243.3	1245.6
15°	1267.5	1250.9	1237.3	1226.0	1210.2	1200.4	1192.8	1192.1	1192.8	1193.6	1195.8
17.5°	1236.5	1213.9	1186.8	1172.5	1154.4	1143.8	1138.5	1134.8	1134.0	1135.5	1139.3
20°	1192.1	1158.9	1128.7	1103.8	1084.2	1067.7	1071.4	1063.1	1066.9	1069.2	1075.9
22.5°	1124.2	1078.2	1043.5	1013.4	990.0	972.7	972.7	965.1	966.6	973.4	982.5
25°	1014.1	971.1	921.4	900.3	873.9	861.8	859.6	858.0	864.1	872.4	877.6
27.5°	914.6	855.8	806.8	778.9	751.0	754.0	738.9	748.0	754.7	761.5	767.6
30°	780.4	732.1	687.6	659.7	626.6	627.3	629.6	631.1	637.1	646.2	658.2
32.5°	651.5	599.4	558.0	527.8	508.2	502.2	493.9	507.4	515.0	524.0	536.1
35°	545.1	490.8	456.2	429.8	418.5	410.2	407.9	406.4	413.2	417.7	427.5
37.5°	469.0	432.0	406.4	387.6	377.0	367.9	365.7	364.2	363.4	361.9	367.9
40°	438.1	408.7	386.8	369.5	359.7	354.4	352.1	349.1	346.1	342.3	341.6
42.5°	429.0	397.4	371.7	354.4	346.8	346.1	346.1	344.6	341.6	336.3	332.5
45°	425.3	386.8	357.4	343.8	338.5	339.3	339.3	339.3	337.0	331.8	325.7
47.5°	418.5	374.0	343.8	332.5	330.2	331.8	333.3	333.3	331.8	327.2	320.4
50°	405.6	354.4	322.7	312.2	311.4	312.2	312.2	313.7	312.2	308.4	302.4
52.5°	395.8	339.3	306.9	298.6	298.6	297.8	297.1	297.1	296.3	293.3	288.8
55°	386.8	329.5	300.1	293.3	294.8	294.8	293.3	292.5	289.5	285.8	281.2
57.5°	374.0	318.9	293.3	288.8	290.3	289.5	288.8	288.0	285.0	280.5	274.5
60°	351.4	300.1	279.7	276.7	279.0	279.7	282.7	283.5	282.0	276.7	268.4
62.5°	326.5	276.7	261.6	259.4	261.6	263.9	266.2	264.7	264.7	259.4	251.8
63°	318.2	272.9	256.4	256.4	258.6	260.9	262.4	260.9	261.6	255.6	248.1
65°	299.3	259.4	246.6	247.3	249.6	251.1	251.8	251.8	251.1	246.6	239.8
67.5°	267.7	239.8	232.2	236.0	239.0	239.8	239.8	241.3	239.8	236.8	230.7
70°	239.0	220.9	215.6	220.2	221.7	222.4	222.4	222.4	220.9	217.9	212.6
72.5°	217.2	208.1	207.3	206.6	207.3	205.1	205.1	203.6	199.8	197.5	193.0
75°	193.0	188.5	189.3	188.5	187.0	186.2	182.5	181.0	176.4	173.4	167.4
77.5°	165.9	166.6	165.9	166.6	168.1	168.9	163.6	159.8	156.1	153.1	150.0
80°	138.0	139.5	138.0	139.5	140.2	140.2	135.0	128.9	125.9	128.2	128.9
82.5°	122.9	122.9	116.9	118.4	116.9	114.6	110.8	108.6	106.3	104.8	108.6
85°	97.3	98.0	99.5	98.0	95.0	92.7	89.0	86.0	83.7	86.0	91.2
87.5°	58.1	62.6	60.3	60.3	59.6	59.6	56.5	55.0	52.8	61.8	66.4
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1
2.5°	1259.2	1261.4	1262.2	1261.4	1262.2	1263.7	1257.7	1263.7	1264.4	1259.9	1261.4
5°	1269.7	1273.5	1278.8	1278.8	1282.5	1284.8	1281.8	1290.1	1291.6	1290.8	1294.6
7.5°	1277.3	1282.5	1289.3	1293.1	1299.9	1302.9	1305.2	1312.7	1314.2	1317.2	1320.2
10°	1276.5	1284.1	1290.1	1300.6	1308.9	1315.0	1319.5	1327.8	1330.8	1335.3	1337.6
12.5°	1254.6	1262.9	1274.2	1289.3	1304.4	1314.2	1326.3	1338.3	1342.9	1348.9	1352.7
15°	1205.6	1212.4	1228.3	1247.9	1268.2	1293.1	1310.4	1329.3	1337.6	1343.6	1348.9
17.5°	1141.5	1147.6	1161.9	1179.2	1206.4	1230.5	1256.9	1285.6	1299.9	1306.7	1308.9
20°	1082.0	1091.0	1094.8	1115.2	1124.2	1148.3	1171.0	1202.6	1220.7	1232.8	1240.3
22.5°	988.5	993.0	1012.6	1020.9	1027.7	1042.8	1070.7	1098.6	1122.7	1142.3	1148.3
25°	885.2	897.3	907.8	914.6	930.4	931.2	953.8	973.4	1003.6	1022.4	1037.5
27.5°	771.3	789.4	795.5	800.0	812.1	826.4	834.7	854.3	871.6	893.5	920.6
30°	656.7	674.1	686.1	692.9	704.2	717.8	723.8	736.7	759.3	783.4	804.5
32.5°	549.7	567.8	573.8	595.7	598.7	611.5	616.0	636.4	649.2	669.5	694.4
35°	444.9	463.7	481.8	493.9	507.4	506.7	518.7	537.6	548.9	570.0	586.6
37.5°	373.2	384.5	397.4	410.9	426.0	437.3	448.6	456.9	466.0	480.3	495.4
40°	341.6	344.6	349.9	358.1	368.7	377.0	385.3	392.1	398.9	410.2	420.0
42.5°	328.7	326.5	326.5	325.0	328.7	333.3	340.1	342.3	352.9	359.7	363.4
45°	319.7	314.4	310.6	306.1	304.6	306.1	309.9	315.2	322.0	324.2	324.2
47.5°	314.4	306.1	300.1	293.3	289.5	289.5	291.8	295.6	299.3	300.1	299.3
50°	296.3	288.0	280.5	274.5	271.4	271.4	272.2	277.5	278.2	276.7	277.5
52.5°	282.7	274.5	266.9	261.6	257.9	258.6	260.9	263.1	265.4	263.9	262.4
55°	274.5	264.7	257.9	251.8	247.3	248.8	251.1	254.1	257.9	255.6	253.3
57.5°	266.9	258.6	250.3	244.3	239.0	240.5	242.8	247.3	251.8	247.3	244.3
60°	260.1	251.8	243.5	237.5	231.5	233.0	236.0	240.5	244.3	238.3	234.5
62.5°	243.5	236.0	230.0	227.0	223.2	225.4	227.7	233.0	231.5	225.4	220.9
63°	240.5	233.0	227.7	224.7	221.7	224.7	225.4	230.7	228.5	222.4	218.7
65°	231.5	225.4	220.2	217.2	214.1	215.6	215.6	217.9	214.9	210.4	207.3
67.5°	223.2	216.4	211.1	205.1	202.1	200.6	199.8	199.1	196.8	194.5	193.8
70°	205.1	200.6	196.0	190.8	186.2	183.2	181.7	180.2	178.7	177.9	177.2
72.5°	185.5	181.7	177.2	174.2	170.4	168.1	164.4	163.6	162.1	160.6	159.8
75°	164.4	159.8	158.3	155.3	153.1	151.6	148.5	147.8	146.3	144.0	143.3
77.5°	145.5	144.0	141.8	141.0	137.2	135.0	133.5	132.7	131.2	129.7	128.2
80°	129.7	128.9	127.4	126.7	124.4	121.4	119.9	120.6	118.4	117.6	115.4
82.5°	116.9	117.6	117.6	115.4	113.1	109.3	107.8	110.1	108.6	105.6	102.5
85°	99.5	98.8	99.5	98.8	94.2	90.5	89.0	90.5	89.7	85.2	84.4
87.5°	70.9	70.1	68.6	73.1	67.1	54.3	55.8	63.3	61.1	58.8	57.3
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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CATALOG NUMBER: LDRL-SLR-F05-E-7030

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1
2.5°	1264.4	1262.2	1263.7	1264.4	1262.2	1267.5	1262.2	1262.9	1264.4	1259.9	1259.2
5°	1297.6	1297.6	1303.7	1304.4	1303.7	1310.4	1309.7	1310.4	1308.9	1308.2	1305.2
7.5°	1324.8	1327.8	1332.3	1339.1	1341.4	1346.6	1348.1	1348.9	1351.9	1354.9	1353.4
10°	1344.4	1352.7	1356.4	1363.2	1370.0	1373.8	1377.5	1383.6	1385.8	1388.1	1385.1
12.5°	1357.9	1367.7	1373.8	1382.1	1390.4	1396.4	1403.2	1410.7	1418.3	1420.5	1416.8
15°	1351.2	1362.5	1371.5	1380.6	1393.4	1404.7	1417.5	1431.1	1440.9	1444.7	1440.1
17.5°	1308.9	1320.2	1333.8	1347.4	1361.0	1382.1	1400.2	1422.8	1438.6	1449.9	1451.4
20°	1250.9	1257.7	1277.3	1290.8	1312.7	1337.6	1364.7	1391.1	1409.2	1429.6	1441.6
22.5°	1164.9	1178.5	1200.4	1223.7	1245.6	1278.0	1306.7	1341.4	1372.3	1400.2	1426.6
25°	1060.1	1079.0	1104.6	1137.0	1165.7	1200.4	1241.8	1280.3	1332.3	1376.0	1432.6
27.5°	947.0	981.7	1017.1	1051.1	1082.7	1121.9	1164.9	1207.9	1267.5	1337.6	1411.5
30°	839.9	868.6	913.1	952.3	989.2	1037.5	1082.0	1129.5	1186.0	1269.0	1352.7
32.5°	728.4	751.7	786.4	834.7	877.6	934.2	973.4	1030.0	1095.6	1183.0	1278.0
35°	613.0	645.4	673.3	706.5	738.9	795.5	854.3	916.9	992.3	1085.8	1189.8
37.5°	511.2	531.6	545.1	579.1	607.7	656.0	724.6	800.0	882.9	977.9	1089.5
40°	426.8	439.6	454.7	477.3	501.4	545.1	608.5	692.9	779.6	874.6	986.2
42.5°	368.7	377.0	378.5	395.8	418.5	461.4	512.0	589.6	685.4	784.9	896.5
45°	328.7	328.7	328.0	335.5	353.6	390.6	436.6	505.9	597.2	701.2	817.3
47.5°	300.8	303.1	302.4	305.4	317.4	344.6	386.0	444.9	527.8	629.6	746.5
50°	279.7	282.7	283.5	284.3	288.8	311.4	346.8	394.3	468.2	565.5	683.1
52.5°	263.1	263.9	263.9	263.1	264.7	277.5	306.9	350.6	419.2	506.7	619.8
55°	254.1	254.8	254.8	254.8	254.8	263.1	284.3	319.7	374.7	456.9	559.5
57.5°	243.5	243.5	245.0	245.0	245.0	248.1	263.1	292.5	334.8	400.4	491.6
60°	234.5	236.8	239.8	240.5	239.8	239.8	247.3	266.9	294.8	342.3	419.2
62.5°	220.9	223.9	227.7	229.2	230.0	228.5	232.2	240.5	257.1	282.0	334.0
63°	218.7	221.7	224.7	226.2	227.0	225.4	228.5	235.2	248.8	269.2	315.9
65°	208.9	212.6	213.4	214.1	213.4	212.6	211.9	211.9	215.6	223.2	248.1
67.5°	195.3	197.5	197.5	199.1	195.3	193.8	192.3	190.8	188.5	189.3	198.3
70°	179.5	181.0	180.2	179.5	177.9	175.7	174.2	171.9	167.4	165.9	170.4
72.5°	161.4	162.9	162.9	162.9	159.8	158.3	156.8	155.3	153.8	155.3	156.8
75°	144.8	144.8	146.3	145.5	143.3	141.8	141.0	140.2	140.2	140.2	139.5
77.5°	128.9	128.2	128.2	125.9	124.4	123.7	125.2	125.9	125.2	123.7	122.9
80°	115.4	111.6	107.8	104.8	104.1	105.6	107.1	111.6	109.3	109.3	107.8
82.5°	98.0	89.7	84.4	85.2	82.9	83.7	85.2	90.5	89.0	89.7	92.7
85°	78.4	70.9	62.6	64.1	64.1	62.6	66.4	67.9	69.4	73.1	70.1
87.5°	55.0	48.3	40.0	34.7	36.2	37.7	39.2	37.7	33.2	34.7	33.9
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: P146064

CATALOG NUMBER: LDRL-SLR-F05-E-7030

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1
2.5°	1257.7	1258.4	1258.4	1253.1	1251.6	1253.1	1252.4	1252.4	1247.9	1248.6	1247.1
5°	1303.7	1305.2	1300.6	1296.9	1291.6	1290.8	1290.1	1287.1	1284.1	1278.0	1275.0
7.5°	1352.7	1345.9	1344.4	1337.6	1335.3	1329.3	1324.8	1320.2	1316.5	1313.5	1311.2
10°	1383.6	1378.3	1376.8	1364.7	1361.0	1353.4	1348.9	1343.6	1339.1	1334.6	1333.8
12.5°	1411.5	1402.4	1397.1	1380.6	1373.0	1364.7	1361.0	1356.4	1354.9	1354.2	1357.2
15°	1433.3	1420.5	1410.7	1395.6	1389.6	1385.1	1385.8	1383.6	1392.6	1397.9	1407.7
17.5°	1447.7	1442.4	1440.1	1428.8	1432.6	1432.6	1443.1	1448.4	1465.0	1478.6	1492.2
20°	1455.2	1465.0	1483.9	1487.6	1496.7	1506.5	1522.3	1531.4	1548.7	1568.3	1587.2
22.5°	1462.0	1503.5	1541.9	1570.6	1590.9	1613.5	1624.9	1643.7	1655.8	1670.1	1698.7
25°	1499.7	1569.1	1636.9	1673.9	1722.1	1754.5	1780.2	1799.0	1820.1	1832.2	1864.6
27.5°	1489.1	1577.4	1667.8	1735.7	1811.1	1872.2	1926.5	1962.6	1989.8	2033.5	2060.7
30°	1440.9	1543.4	1652.8	1749.3	1854.8	1954.4	2048.6	2133.0	2205.4	2264.2	2304.2
32.5°	1372.3	1489.9	1618.1	1737.2	1872.2	2004.9	2140.6	2269.5	2392.4	2489.7	2550.8
35°	1295.4	1422.0	1563.8	1704.8	1866.9	2040.3	2223.5	2396.9	2574.9	2730.2	2852.4
37.5°	1201.9	1339.1	1494.4	1658.0	1844.3	2052.4	2283.1	2519.1	2746.0	2981.3	3153.2
40°	1103.8	1238.1	1399.4	1586.4	1801.3	2046.3	2329.1	2635.2	2963.9	3267.1	3528.7
42.5°	1020.2	1151.3	1320.2	1505.0	1736.4	2023.7	2360.0	2739.3	3144.2	3537.0	3884.6
45°	938.0	1078.2	1248.6	1443.9	1696.5	2014.7	2400.0	2829.7	3291.9	3757.9	4201.3
47.5°	873.1	1011.9	1183.8	1393.4	1664.1	2009.4	2437.7	2914.2	3412.6	3922.3	4447.8
50°	811.3	944.0	1111.4	1332.3	1630.1	2001.1	2460.3	2981.3	3506.8	4051.2	4622.7
52.5°	748.0	885.9	1048.8	1262.9	1585.6	1984.5	2467.1	3034.1	3604.1	4174.9	4786.4
55°	683.9	821.9	984.7	1206.4	1525.3	1952.1	2461.8	3072.5	3705.9	4305.3	4935.6
57.5°	605.5	741.2	911.6	1134.8	1447.7	1887.2	2436.2	3089.1	3769.2	4427.4	5085.7
60°	517.2	645.4	806.8	1034.5	1352.7	1793.8	2378.8	3065.7	3797.9	4508.1	5244.8
62.5°	406.4	518.0	666.5	892.7	1214.7	1658.8	2253.7	2962.4	3728.5	4487.8	5313.4
63°	381.5	489.3	642.4	855.0	1174.0	1612.0	2216.7	2927.0	3697.6	4468.9	5305.1
65°	291.0	371.0	497.6	687.6	992.3	1396.4	2022.2	2726.4	3503.1	4281.2	5174.7
67.5°	214.9	256.4	334.0	461.4	698.2	1086.5	1657.3	2354.7	3089.9	3821.2	4730.6
70°	177.9	193.8	230.0	295.6	432.0	720.8	1171.0	1792.2	2483.7	3113.2	3934.3
72.5°	159.1	170.4	187.0	216.4	272.9	423.0	761.5	1163.4	1729.7	2274.0	2967.7
75°	142.5	150.0	163.6	181.0	206.6	264.7	402.6	689.9	1057.1	1532.1	2035.8
77.5°	125.2	132.7	146.3	159.8	176.4	201.3	249.6	392.8	632.6	894.2	1249.4
80°	108.6	112.3	123.7	143.3	155.3	175.7	191.5	245.8	344.6	468.2	665.8
82.5°	89.7	90.5	98.0	113.1	128.2	135.7	140.2	154.6	198.3	247.3	326.5
85°	64.1	61.1	65.6	71.6	83.7	76.9	82.2	86.7	105.6	127.4	233.7
87.5°	28.7	22.6	26.4	29.4	26.4	18.1	26.4	21.9	27.1	53.5	60.3
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: P146064  
 CATALOG NUMBER: LDRL-SLR-F05-E-7030

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	0°
2.5°	1248.6	1244.1	1244.1	1243.3	1244.1	1242.6	1239.6	1239.6	1241.8	1241.1	1241.1	2.5°
5°	1275.0	1269.0	1267.5	1266.7	1266.7	1262.9	1258.4	1256.2	1255.4	1252.4	1250.1	5°
7.5°	1309.7	1305.9	1308.2	1303.7	1302.1	1301.4	1295.4	1290.8	1284.1	1281.0	1269.7	7.5°
10°	1338.3	1336.1	1342.1	1341.4	1342.1	1342.1	1333.8	1329.3	1319.5	1314.2	1299.9	10°
12.5°	1363.2	1364.7	1376.0	1376.0	1378.3	1381.3	1376.8	1367.0	1363.2	1357.9	1342.9	12.5°
15°	1426.6	1432.6	1440.9	1454.5	1458.2	1459.0	1462.7	1454.5	1444.7	1431.1	1413.0	15°
17.5°	1512.5	1524.6	1552.5	1572.1	1575.8	1579.6	1577.4	1575.8	1557.8	1546.4	1527.6	17.5°
20°	1620.3	1649.7	1688.9	1716.1	1728.2	1729.7	1744.7	1734.2	1717.6	1695.0	1667.8	20°
22.5°	1741.0	1790.0	1839.7	1879.7	1903.1	1913.6	1929.5	1914.4	1892.5	1879.0	1842.8	22.5°
25°	1906.1	1959.6	2016.9	2048.6	2108.2	2125.5	2134.6	2130.0	2107.4	2117.2	2084.0	25°
27.5°	2132.3	2178.3	2259.0	2298.9	2354.7	2387.1	2380.4	2418.1	2424.8	2448.2	2452.0	27.5°
30°	2378.8	2455.0	2563.6	2644.3	2729.5	2784.5	2828.2	2861.4	2899.9	2964.7	3003.9	30°
32.5°	2645.0	2755.1	2893.8	3065.0	3245.9	3393.7	3560.4	3589.0	3675.0	3650.1	3633.5	32.5°
35°	2941.3	3080.1	3258.0	3482.7	3745.8	3990.1	4150.7	4231.4	4265.3	4284.2	4169.6	35°
37.5°	3337.9	3525.7	3724.0	3969.0	4170.3	4398.8	4583.5	4784.1	4876.1	4832.3	4612.9	37.5°
40°	3777.5	3953.2	4221.6	4422.2	4659.7	5035.9	5286.2	5527.5	5602.9	5457.4	5113.6	40°
42.5°	4218.6	4459.9	4750.9	5035.9	5308.9	5649.7	5981.4	6219.7	6302.6	6053.8	5645.9	42.5°
45°	4611.4	4920.6	5262.9	5555.4	5936.9	6382.6	6789.0	6980.5	6965.4	6565.8	6106.6	45°
47.5°	4953.7	5354.9	5740.9	6135.2	6519.8	7022.7	7425.3	7645.5	7489.4	7069.4	6549.2	47.5°
50°	5236.5	5721.3	6187.3	6640.4	7112.4	7647.0	8035.3	8238.9	8001.4	7469.8	6888.5	50°
52.5°	5451.4	6052.3	6589.1	7095.8	7659.8	8237.4	8582.7	8705.6	8335.4	7779.7	7142.6	52.5°
55°	5654.2	6333.5	6927.7	7503.0	8205.0	8723.0	9046.4	9023.8	8545.8	7914.7	7301.7	55°
57.5°	5807.3	6573.3	7205.9	7861.1	8617.4	9170.8	9357.8	9208.5	8633.2	7954.6	7347.7	57.5°
60°	6000.3	6760.3	7453.2	8184.6	9009.5	9477.7	9502.6	9234.9	8608.3	7879.2	7282.8	60°
62.5°	6123.9	6877.2	7610.8	8406.3	9308.0	9650.4	9472.4	9121.1	8465.1	7693.0	7134.3	62.5°
63°	6136.0	6888.5	7623.6	8428.1	9350.3	9657.9	9444.5	9069.8	8422.9	7641.7	7095.1	63°
65°	6081.7	6856.1	7564.8	8388.9	9360.8	9568.9	9240.2	8859.4	8189.9	7380.1	6864.4	65°
67.5°	5702.5	6507.7	7184.0	7956.9	8953.7	9069.0	8739.5	8325.6	7696.8	6816.1	6359.9	67.5°
70°	5023.1	5788.4	6267.9	6985.7	7862.6	8000.6	7705.8	7385.4	6826.7	6090.8	5712.3	70°
72.5°	4046.7	4798.4	5086.4	5636.1	6332.8	6302.6	6095.3	6055.3	5761.3	5143.7	4916.0	72.5°
75°	3025.0	3740.6	3862.0	4085.9	4475.0	4465.1	4513.4	4685.3	4832.3	4467.4	4175.6	75°
77.5°	1995.1	2706.8	2782.2	3043.1	3150.9	3446.5	3793.3	4225.4	4439.5	4290.2	3932.1	77.5°
80°	1103.8	1851.8	1836.7	1938.5	2129.3	2559.1	3084.6	3726.2	4154.5	4047.4	3655.4	80°
82.5°	573.8	1170.2	1152.9	1171.0	1348.1	1709.3	2108.9	2633.7	3076.3	3086.1	2954.1	82.5°
85°	426.8	839.9	889.7	930.4	1048.1	1174.0	1247.1	1415.2	1658.0	1884.2	1964.9	85°
87.5°	156.8	504.4	628.1	674.8	677.8	662.0	539.1	593.4	539.9	638.6	892.0	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°



NUMBER: P146064

NUMBER: LDRL-SLR-F05-E-7030

**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
1247.1	1247.1	1247.1	1247.1	1247.1	1247.1	1247.1
1242.6	1242.6	1241.8	1243.3	1244.1	1246.4	1245.6
1247.9	1245.6	1243.3	1241.8	1240.3	1241.1	1239.6
1261.4	1253.9	1247.9	1242.6	1238.1	1237.3	1232.8
1291.6	1278.0	1266.7	1258.4	1249.4	1244.8	1236.5
1330.0	1315.0	1300.6	1288.6	1278.0	1272.0	1266.0
1397.1	1375.3	1357.9	1345.1	1334.6	1327.8	1321.8
1496.7	1469.5	1443.1	1418.3	1415.2	1399.4	1399.4
1633.9	1597.0	1563.0	1541.9	1532.1	1511.0	1511.0
1823.9	1787.7	1737.2	1711.6	1713.8	1695.7	1704.0
2069.7	2039.6	1987.5	1977.0	1977.0	1957.4	1928.0
2438.4	2427.9	2370.6	2384.9	2354.7	2281.6	2202.4
2985.8	2985.8	2875.0	2795.1	2725.7	2611.8	2472.3
3534.0	3462.3	3292.7	3157.0	3013.0	2838.8	2659.3
3996.9	3806.2	3634.2	3468.4	3252.0	3065.0	2813.1
4387.5	4206.5	4009.7	3757.1	3503.1	3242.2	2918.7
4871.6	4651.4	4355.8	4038.4	3726.2	3367.3	2992.6
5314.1	5038.2	4665.0	4263.1	3865.7	3465.4	3028.0
5730.4	5374.5	4913.8	4431.2	3978.8	3525.7	3043.1
6122.4	5645.1	5109.1	4551.1	4056.5	3558.1	3039.3
6381.0	5843.4	5232.0	4623.5	4103.2	3569.4	3028.8
6543.2	5964.8	5304.3	4663.4	4126.6	3571.7	3028.0
6634.4	6033.5	5343.6	4691.3	4152.2	3585.2	3046.1
6705.3	6087.7	5387.3	4738.8	4213.3	3648.6	3119.3
6772.4	6230.2	5501.1	4826.3	4319.6	3767.0	3279.9
6800.3	6500.9	5732.6	4987.7	4468.2	3957.0	3530.2
6798.0	6552.2	5799.7	5032.2	4507.4	4007.5	3594.3
6715.8	6715.1	6105.1	5244.8	4689.8	4241.2	3862.0
6472.3	6796.5	6442.9	5525.3	4973.3	4626.5	4264.6
6087.0	6697.7	6488.9	5599.2	5174.7	4980.1	4533.0
5423.5	6225.7	6058.3	5284.0	5106.0	5049.5	4539.8
4386.7	5005.0	4933.4	4514.2	4579.8	4695.9	4055.0
3534.0	3514.4	3503.8	3351.5	3630.5	3866.5	3014.5
2951.9	2431.6	2258.2	2199.4	2659.3	2840.3	1870.7
2759.6	2184.3	1752.3	1678.4	1992.8	2089.3	1128.0
2108.9	2121.0	1836.0	1573.6	1550.2	1419.0	826.4
1032.2	1049.6	1109.1	1012.6	868.6	732.1	260.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)