

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: STREETWORKS

Report Number: P159129

Luminaire Tested: **VST-E07-LED-E-U-SLR-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159129
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33715)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-E07-LED-E-U-SLR-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (147) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17181 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G4

Input Watts (W): 172.5
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: 28.75 FT



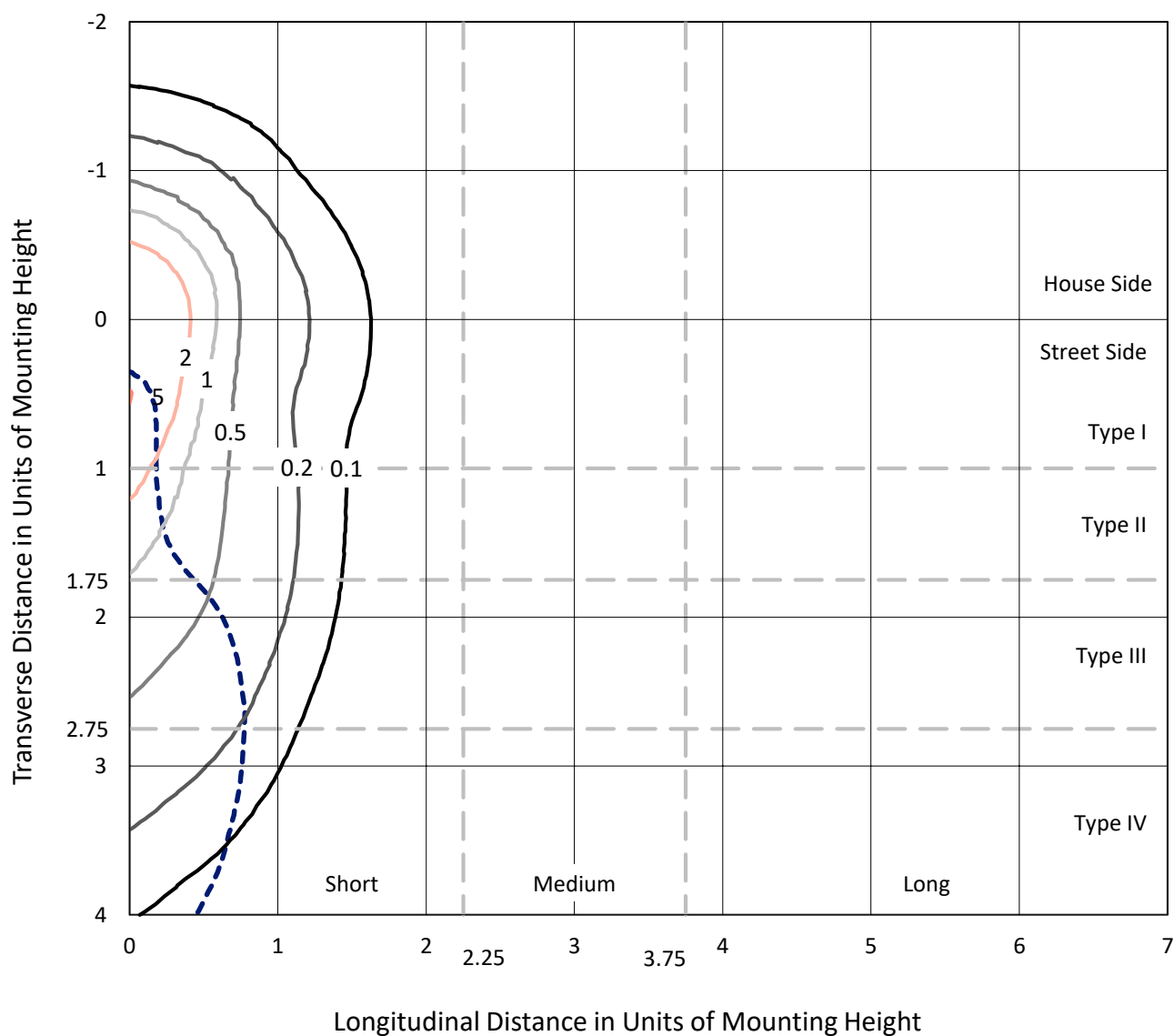
REPORT NUMBER: P159129

CATALOG NUMBER: VST-E07-LED-E-U-SLR-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

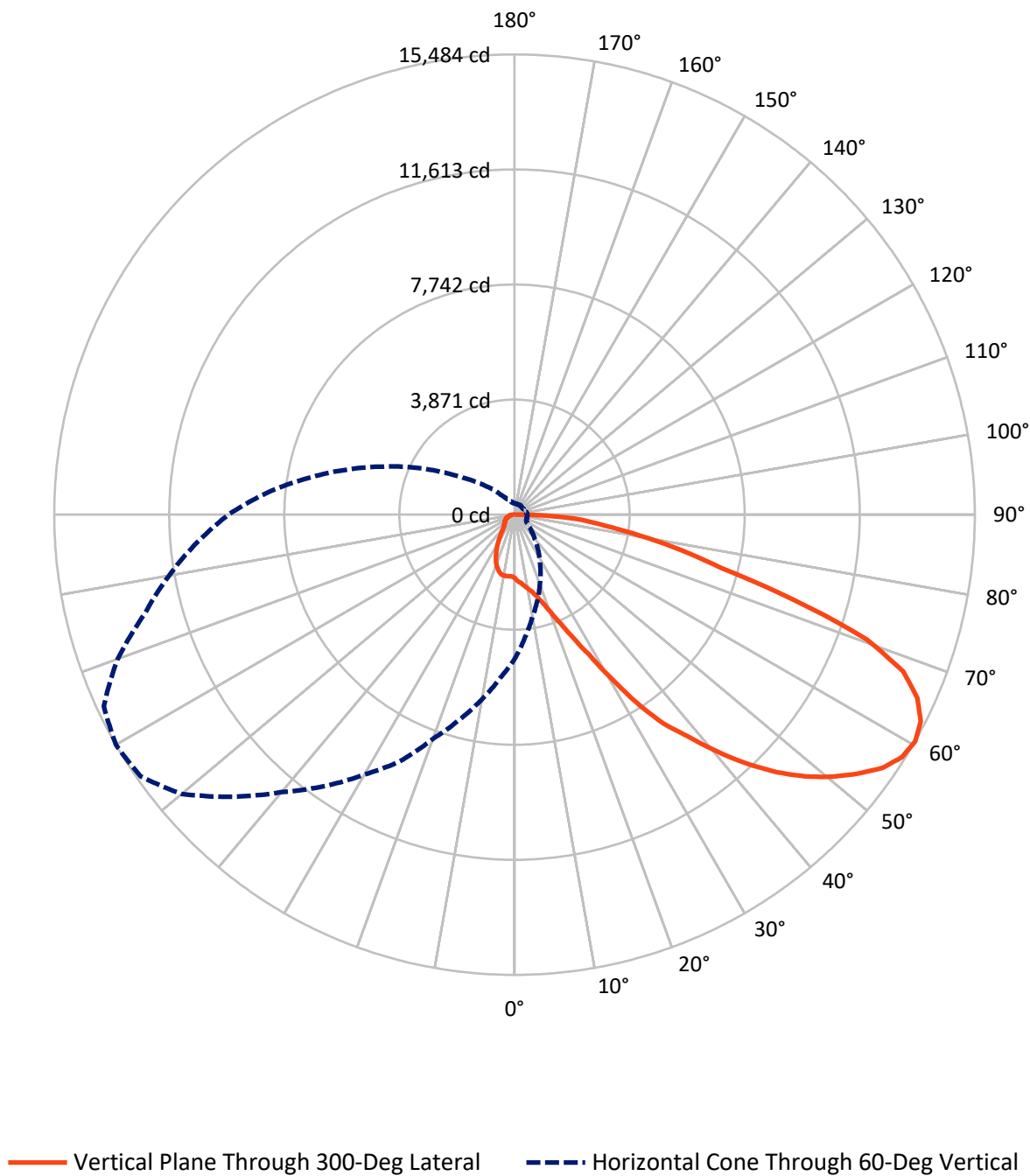


Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P159129

CATALOG NUMBER: VST-E07-LED-E-U-SLR-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P159129

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3868.6	0.0	3868.6
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	13312.4	0.0	13312.4
	% Fixture	77.5	0.0	77.5
Total	Lumens	17181.0	0.0	17181.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.8	1.2
10°-20°	680.6	4.0
20°-30°	1291.6	7.5
30°-40°	2034.0	11.8
40°-50°	2838.9	16.5
50°-60°	3511.1	20.4
60°-70°	3639.4	21.2
70°-80°	2290.1	13.3
80°-90°	684.6	4.0
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°	17181.0	100.0
0°-180°	17181.0	100.0

Coefficient of Utilization



REPORT NUMBER: P159129

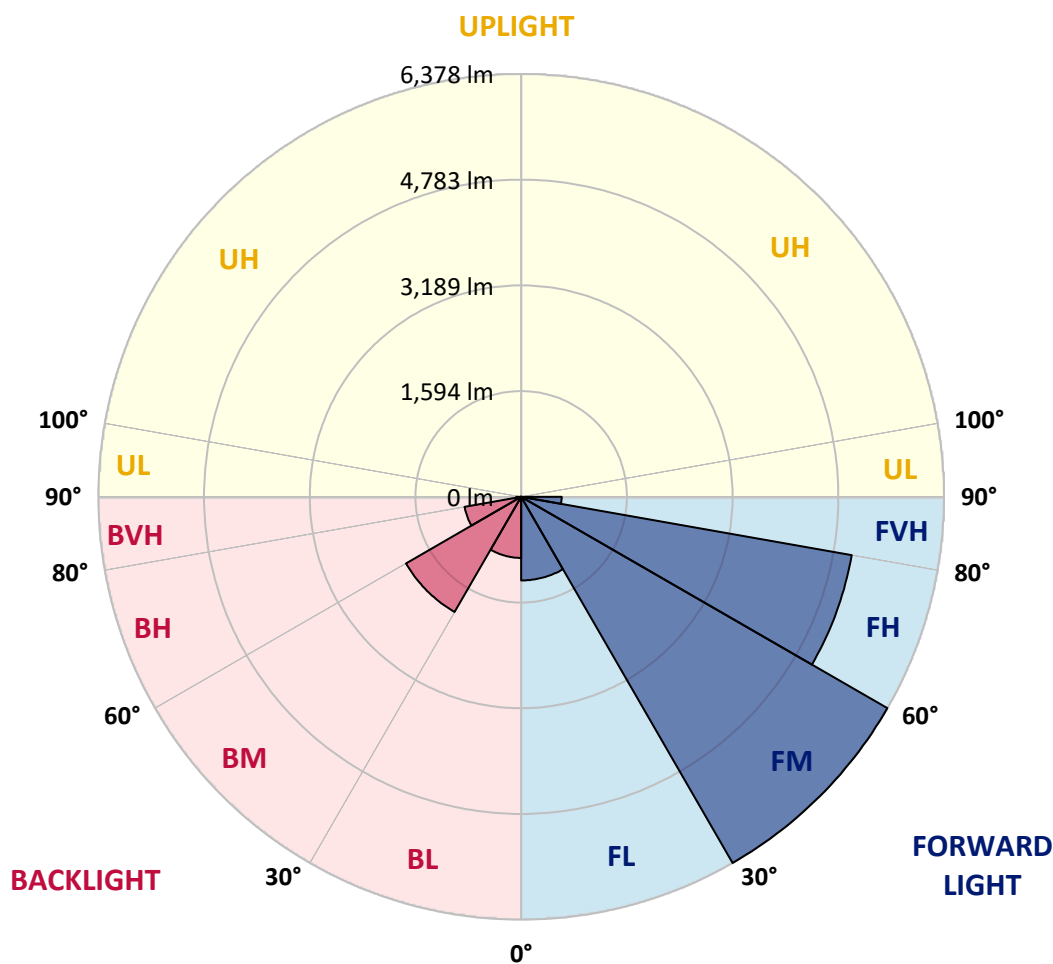
CATALOG NUMBER: VST-E07-LED-E-U-SLR-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1261.3	7.3			
FM	(30°-60°)	6377.9	37.1			
FH	(60°-80°)	5063.1	29.5			G3/7500
FVH	(80°-90°)	610.1	3.6			G4/750
BL	(0°-30°)	921.6	5.4	B2/1000		
BM	(30°-60°)	2006.1	11.7	B2/2500		
BH	(60°-80°)	866.4	5.0	B2/1000		G2/1000
BVH	(80°-90°)	74.5	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





REPORT NUMBER: P159129

CATALOG NUMBER: VST-E07-LED-E-U-SLR-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7
2.5°	2263.3	2127.7	2130.3	2126.5	2126.5	2123.9	2126.5	2123.9	2121.3	2121.3	2122.6
5°	2292.7	2143.1	2143.1	2139.2	2136.7	2134.1	2136.7	2134.1	2132.9	2130.3	2131.6
7.5°	2320.8	2152.0	2146.9	2141.8	2135.4	2138.0	2138.0	2136.7	2138.0	2136.7	2139.2
10°	2366.9	2181.4	2168.7	2157.2	2155.9	2153.3	2153.3	2149.5	2149.5	2146.9	2148.2
12.5°	2484.5	2272.2	2258.2	2237.7	2233.9	2222.4	2216.0	2208.3	2195.5	2184.0	2175.1
15°	2682.7	2423.1	2396.3	2378.4	2370.7	2347.7	2311.9	2283.7	2246.7	2214.7	2181.4
17.5°	2925.6	2625.2	2593.2	2570.2	2531.8	2469.2	2409.1	2340.0	2268.4	2203.2	2143.1
20°	3265.8	2915.4	2852.8	2797.8	2701.9	2594.5	2481.9	2361.7	2251.8	2149.5	2061.2
22.5°	3726.1	3290.1	3173.7	3026.7	2848.9	2667.3	2488.3	2322.1	2175.1	2042.1	1924.4
25°	4255.5	3648.1	3438.4	3185.2	2912.9	2662.2	2427.0	2213.4	2042.1	1870.7	1742.9
27.5°	4645.5	3947.3	3637.9	3305.4	2957.6	2637.9	2349.0	2090.7	1883.5	1708.3	1553.6
30°	4868.0	4118.7	3746.6	3356.6	2965.3	2597.0	2250.5	1951.3	1712.2	1503.7	1355.4
32.5°	5011.2	4210.7	3758.1	3305.4	2873.2	2475.5	2100.9	1790.2	1530.6	1308.1	1150.8
35°	5131.4	4247.8	3704.4	3191.6	2699.3	2291.4	1909.1	1598.4	1323.4	1118.9	957.7
37.5°	5180.0	4241.4	3618.7	3039.4	2529.2	2090.7	1713.4	1395.1	1149.5	969.2	831.1
40°	5171.0	4182.6	3502.3	2877.1	2329.8	1881.0	1506.3	1226.3	1026.8	874.6	773.6
42.5°	5110.9	4104.6	3373.2	2712.1	2146.9	1707.1	1365.6	1117.6	956.5	841.4	753.1
45°	5035.5	4011.3	3255.5	2561.2	2002.4	1583.0	1283.8	1086.9	947.5	837.5	742.9
47.5°	4933.2	3907.7	3136.6	2453.8	1925.7	1545.9	1282.5	1104.8	955.2	828.6	725.0
50°	4821.9	3832.2	3071.4	2407.8	1916.8	1569.0	1327.3	1132.9	960.3	819.6	700.7
52.5°	4743.9	3799.0	3070.1	2424.4	1964.1	1632.9	1379.7	1168.7	979.5	824.8	695.6
55°	4648.0	3793.9	3103.4	2496.0	2067.6	1741.6	1462.8	1230.1	1019.1	843.9	699.4
57.5°	4654.4	3894.9	3232.5	2672.5	2254.3	1888.6	1569.0	1305.5	1057.5	855.4	693.1
60°	4856.5	4130.2	3487.0	2974.2	2498.6	2061.2	1677.6	1346.5	1054.9	829.9	662.4
62.5°	5273.3	4483.1	3868.0	3328.4	2746.6	2194.2	1717.3	1335.0	1016.6	774.9	612.5
65°	5770.7	4896.1	4238.9	3603.3	2897.5	2224.9	1682.8	1271.0	939.8	703.3	552.4
67.5°	6268.1	5188.9	4452.4	3681.3	2836.1	2100.9	1554.9	1127.8	809.4	606.1	484.6
70°	6447.2	5249.0	4435.8	3506.2	2557.4	1792.7	1280.0	907.9	649.6	496.1	407.9
72.5°	6178.6	4873.1	3943.5	2979.3	2079.2	1389.9	938.6	670.0	496.1	388.7	332.5
75°	5182.5	3924.3	3117.4	2244.1	1501.2	983.3	677.7	488.5	373.4	308.2	266.0
77.5°	3694.1	2732.6	2123.9	1474.3	974.4	681.5	485.9	367.0	296.7	246.8	216.1
80°	2320.8	1677.6	1294.0	884.9	607.4	462.9	349.1	290.3	239.1	200.8	180.3
82.5°	1397.6	976.9	762.1	549.8	399.0	317.1	257.0	227.6	190.5	166.2	154.7
85°	948.8	718.6	500.0	324.8	240.4	186.7	175.2	157.3	141.9	118.9	115.1
87.5°	181.6	257.0	223.8	133.0	88.2	75.4	66.5	63.9	57.5	46.0	52.4
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: P159129

CATALOG NUMBER: VST-E07-LED-E-U-SLR-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7
2.5°	2115.0	2112.4	2107.3	2107.3	2103.4	2095.8	2094.5	2089.4	2083.0	2084.3	2083.0
5°	2122.6	2117.5	2111.1	2108.6	2103.4	2095.8	2091.9	2085.5	2079.2	2079.2	2079.2
7.5°	2131.6	2125.2	2120.1	2111.1	2100.9	2093.2	2083.0	2075.3	2071.5	2070.2	2071.5
10°	2139.2	2135.4	2127.7	2115.0	2100.9	2085.5	2075.3	2065.1	2054.9	2056.1	2057.4
12.5°	2155.9	2143.1	2122.6	2103.4	2081.7	2062.5	2044.6	2031.8	2019.1	2019.1	2020.3
15°	2144.4	2107.3	2079.2	2042.1	2017.8	1987.1	1966.6	1955.1	1947.4	1944.9	1946.2
17.5°	2076.6	2031.8	1989.6	1956.4	1923.2	1898.9	1889.9	1882.2	1872.0	1877.1	1872.0
20°	1974.3	1919.3	1859.2	1819.6	1779.9	1763.3	1748.0	1740.3	1733.9	1756.9	1756.9
22.5°	1827.2	1760.8	1699.4	1650.8	1606.0	1588.1	1572.8	1563.8	1567.7	1595.8	1598.4
25°	1641.8	1561.3	1480.7	1451.3	1406.6	1392.5	1383.5	1382.3	1386.1	1414.2	1420.6
27.5°	1444.9	1360.5	1291.5	1223.7	1203.2	1191.7	1175.1	1194.3	1198.1	1228.8	1241.6
30°	1235.2	1144.4	1071.5	1026.8	983.3	989.7	975.6	998.7	1008.9	1040.9	1051.1
32.5°	1020.4	934.7	861.8	817.1	786.4	790.2	780.0	800.5	810.7	849.1	868.2
35°	843.9	771.1	712.2	673.9	659.8	645.7	643.2	645.7	656.0	685.4	719.9
37.5°	742.9	682.8	640.6	612.5	593.3	584.4	579.2	579.2	579.2	585.6	602.3
40°	699.4	645.7	608.7	581.8	569.0	563.9	560.1	556.2	549.8	547.3	548.6
42.5°	680.3	618.9	579.2	558.8	551.1	551.1	551.1	548.6	542.2	535.8	529.4
45°	661.1	594.6	555.0	540.9	537.0	538.3	538.3	538.3	533.2	525.5	514.0
47.5°	636.8	567.7	528.1	519.1	519.1	523.0	524.3	524.3	519.1	511.5	502.5
50°	607.4	533.2	497.4	489.7	485.9	485.9	485.9	485.9	482.1	477.0	470.6
52.5°	592.0	514.0	477.0	469.3	469.3	465.4	464.2	460.3	456.5	452.7	443.7
55°	586.9	506.4	468.0	461.6	461.6	457.8	453.9	450.1	443.7	437.3	428.4
57.5°	572.9	489.7	456.5	451.4	451.4	448.8	445.0	441.1	434.8	425.8	414.3
60°	540.9	461.6	433.5	432.2	432.2	430.9	428.4	428.4	422.0	413.0	399.0
62.5°	500.0	432.2	405.3	405.3	404.1	402.8	397.7	396.4	388.7	377.2	364.4
65°	460.3	406.6	388.7	383.6	381.0	377.2	374.7	368.3	361.9	351.6	338.9
67.5°	410.5	368.3	356.8	351.6	346.5	342.7	338.9	335.0	327.3	319.7	309.4
70°	356.8	326.1	319.7	318.4	312.0	308.2	306.9	303.0	295.4	287.7	274.9
72.5°	305.6	287.7	282.6	282.6	274.9	269.8	267.2	266.0	260.9	254.5	243.0
75°	246.8	234.0	232.7	239.1	239.1	235.3	232.7	235.3	227.6	223.8	212.3
77.5°	202.0	195.6	191.8	194.4	202.0	198.2	193.1	193.1	193.1	186.7	182.9
80°	171.3	166.2	162.4	165.0	163.7	162.4	159.8	154.7	154.7	154.7	153.4
82.5°	154.7	153.4	139.4	139.4	134.3	130.4	127.9	125.3	122.8	122.8	129.1
85°	116.4	120.2	112.5	111.2	104.9	99.7	94.6	92.1	89.5	93.3	106.1
87.5°	56.3	56.3	53.7	60.1	55.0	52.4	48.6	46.0	48.6	60.1	71.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P159129

CATALOG NUMBER: VST-E07-LED-E-U-SLR-7030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7
2.5°	2080.4	2079.2	2077.9	2075.3	2070.2	2068.9	2066.4	2066.4	2065.1	2062.5	2065.1
5°	2076.6	2079.2	2079.2	2077.9	2074.0	2076.6	2076.6	2080.4	2080.4	2083.0	2089.4
7.5°	2071.5	2077.9	2083.0	2086.8	2091.9	2095.8	2103.4	2115.0	2120.1	2129.0	2132.9
10°	2061.2	2072.8	2081.7	2093.2	2106.0	2120.1	2131.6	2149.5	2155.9	2168.7	2175.1
12.5°	2031.8	2051.0	2066.4	2089.4	2111.1	2132.9	2153.3	2176.3	2187.8	2201.9	2210.9
15°	1960.2	1982.0	2003.7	2024.2	2062.5	2104.7	2138.0	2168.7	2185.3	2203.2	2212.1
17.5°	1874.6	1888.6	1906.5	1933.4	1970.5	2007.5	2061.2	2104.7	2130.3	2150.8	2153.3
20°	1774.8	1795.3	1808.1	1818.3	1847.7	1873.3	1930.8	1980.7	2013.9	2038.2	2044.6
22.5°	1622.7	1644.4	1666.1	1673.8	1696.8	1730.1	1762.0	1815.7	1863.1	1898.9	1920.6
25°	1448.8	1469.2	1498.6	1521.6	1526.8	1553.6	1585.6	1647.0	1695.5	1753.1	1778.7
27.5°	1274.9	1292.8	1324.7	1337.5	1352.9	1379.7	1405.3	1456.4	1507.6	1574.1	1602.2
30°	1071.5	1109.9	1147.0	1171.3	1184.1	1216.0	1233.9	1283.8	1331.1	1379.7	1420.6
32.5°	897.6	932.2	974.4	1005.1	1020.4	1044.7	1072.8	1115.0	1152.1	1199.4	1246.7
35°	737.8	785.1	813.2	840.1	879.7	891.2	919.4	957.7	979.5	1030.6	1084.3
37.5°	625.3	653.4	681.5	708.4	741.6	757.0	783.8	815.8	841.4	872.1	920.7
40°	556.2	571.6	592.0	609.9	634.2	653.4	667.5	694.3	713.5	744.2	778.7
42.5°	524.3	528.1	530.7	543.4	556.2	569.0	584.4	595.9	618.9	641.9	663.6
45°	506.4	498.7	494.9	496.1	501.2	508.9	521.7	534.5	549.8	563.9	576.7
47.5°	491.0	480.8	469.3	462.9	464.2	466.7	477.0	487.2	494.9	506.4	511.5
50°	455.2	446.3	436.0	427.1	428.4	429.6	438.6	446.3	451.4	455.2	461.6
52.5°	432.2	419.4	410.5	401.5	400.2	404.1	411.7	419.4	422.0	424.5	425.8
55°	415.6	402.8	391.3	382.3	378.5	387.4	390.0	400.2	404.1	404.1	405.3
57.5°	402.8	387.4	375.9	367.0	360.6	367.0	373.4	384.9	386.2	383.6	383.6
60°	383.6	372.1	360.6	351.6	345.2	350.4	355.5	368.3	368.3	361.9	360.6
62.5°	350.4	344.0	336.3	332.5	331.2	336.3	340.1	350.4	346.5	338.9	336.3
65°	326.1	321.0	313.3	310.7	309.4	317.1	318.4	324.8	319.7	315.8	314.6
67.5°	296.7	292.8	289.0	287.7	283.9	283.9	286.4	290.3	287.7	287.7	289.0
70°	263.4	258.3	254.5	255.7	253.2	253.2	254.5	257.0	255.7	258.3	260.9
72.5°	232.7	226.3	225.0	225.0	222.5	223.8	223.8	225.0	227.6	228.9	235.3
75°	203.3	196.9	196.9	195.6	195.6	195.6	196.9	199.5	202.0	203.3	205.9
77.5°	176.5	172.6	173.9	172.6	172.6	172.6	172.6	176.5	177.7	179.0	182.9
80°	152.2	152.2	153.4	153.4	152.2	150.9	152.2	154.7	156.0	157.3	158.6
82.5°	138.1	139.4	139.4	139.4	133.0	130.4	134.3	136.8	139.4	140.7	143.2
85°	118.9	113.8	118.9	117.6	108.7	107.4	107.4	108.7	111.2	108.7	108.7
87.5°	76.7	69.0	72.9	72.9	63.9	52.4	66.5	71.6	63.9	67.8	67.8
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: P159129

CATALOG NUMBER: VST-E07-LED-E-U-SLR-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7
2.5°	2068.9	2066.4	2067.6	2067.6	2070.2	2066.4	2071.5	2076.6	2077.9	2077.9	2079.2
5°	2095.8	2093.2	2102.2	2098.3	2107.3	2106.0	2112.4	2117.5	2120.1	2120.1	2120.1
7.5°	2138.0	2146.9	2152.0	2166.1	2167.4	2175.1	2181.4	2187.8	2185.3	2186.6	2185.3
10°	2185.3	2196.8	2209.6	2223.6	2224.9	2233.9	2244.1	2250.5	2247.9	2246.7	2242.8
12.5°	2226.2	2233.9	2249.2	2263.3	2271.0	2285.0	2295.2	2300.4	2300.4	2296.5	2292.7
15°	2223.6	2235.2	2251.8	2272.2	2286.3	2306.8	2324.7	2336.2	2337.4	2333.6	2332.3
17.5°	2167.4	2184.0	2199.3	2227.5	2253.1	2281.2	2310.6	2327.2	2342.6	2351.5	2356.6
20°	2066.4	2086.8	2108.6	2145.6	2180.2	2217.2	2251.8	2276.1	2299.1	2325.9	2357.9
22.5°	1947.4	1978.1	2008.8	2056.1	2098.3	2140.5	2180.2	2209.6	2245.4	2291.4	2351.5
25°	1808.1	1840.0	1878.4	1933.4	1987.1	2048.5	2107.3	2166.1	2235.2	2314.4	2407.8
27.5°	1643.1	1678.9	1728.8	1795.3	1856.7	1919.3	2011.4	2104.7	2217.2	2319.5	2425.7
30°	1479.4	1525.5	1579.2	1645.7	1707.1	1796.6	1888.6	2003.7	2122.6	2237.7	2364.3
32.5°	1303.0	1360.5	1427.0	1482.0	1551.1	1641.8	1733.9	1856.7	1983.2	2118.8	2258.2
35°	1132.9	1187.9	1240.3	1301.7	1370.8	1456.4	1545.9	1663.6	1823.4	1967.9	2134.1
37.5°	960.3	1011.4	1048.5	1097.1	1157.2	1251.8	1347.7	1483.3	1634.2	1811.9	1978.1
40°	809.4	851.6	893.8	932.2	983.3	1072.8	1175.1	1308.1	1456.4	1629.1	1814.5
42.5°	689.2	721.2	767.2	813.2	856.7	933.4	1029.3	1159.8	1306.8	1483.3	1668.7
45°	588.2	609.9	647.0	685.4	739.1	803.0	895.1	1028.1	1177.7	1355.4	1551.1
47.5°	515.3	525.5	551.1	590.8	640.6	703.3	782.6	902.8	1048.5	1227.5	1433.4
50°	465.4	477.0	489.7	523.0	567.7	631.7	696.9	801.7	934.7	1109.9	1314.5
52.5°	430.9	436.0	441.1	461.6	502.5	556.2	625.3	704.6	838.8	1006.3	1190.5
55°	410.5	411.7	415.6	425.8	456.5	506.4	566.5	641.9	746.8	905.3	1093.3
57.5°	386.2	388.7	392.6	399.0	418.1	462.9	514.0	575.4	662.4	795.3	975.6
60°	363.1	369.5	375.9	379.8	390.0	416.9	460.3	508.9	579.2	679.0	822.2
62.5°	338.9	346.5	351.6	355.5	359.3	375.9	407.9	439.9	483.3	548.6	656.0
65°	317.1	322.2	326.1	328.6	331.2	336.3	350.4	363.1	375.9	415.6	493.6
67.5°	292.8	295.4	296.7	297.9	296.7	296.7	297.9	303.0	308.2	323.5	360.6
70°	264.7	268.5	268.5	269.8	269.8	266.0	266.0	266.0	266.0	269.8	290.3
72.5°	237.8	243.0	243.0	244.2	243.0	241.7	241.7	241.7	245.5	248.1	255.7
75°	212.3	217.4	216.1	217.4	218.7	218.7	221.2	222.5	226.3	227.6	232.7
77.5°	186.7	190.5	191.8	190.5	193.1	195.6	200.8	203.3	204.6	205.9	207.1
80°	162.4	165.0	163.7	159.8	166.2	170.1	177.7	186.7	184.1	185.4	188.0
82.5°	134.3	130.4	127.9	130.4	134.3	139.4	147.0	158.6	159.8	166.2	165.0
85°	103.6	92.1	90.8	97.2	95.9	102.3	115.1	124.0	131.7	138.1	131.7
87.5°	61.4	55.0	46.0	43.5	47.3	62.7	65.2	79.3	85.7	88.2	79.3
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: P159129

CATALOG NUMBER: VST-E07-LED-E-U-SLR-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7
2.5°	2195.5	2201.9	2201.9	2204.5	2208.3	2209.6	2214.7	2223.6	2224.9	2224.9	2228.8
5°	2236.4	2242.8	2242.8	2247.9	2249.2	2255.6	2262.0	2272.2	2277.3	2276.1	2292.7
7.5°	2302.9	2297.8	2294.0	2301.6	2305.5	2313.2	2325.9	2334.9	2343.8	2357.9	2380.9
10°	2359.2	2351.5	2347.7	2352.8	2355.3	2364.3	2372.0	2384.8	2406.5	2428.2	2456.4
12.5°	2405.2	2396.3	2386.0	2388.6	2392.4	2403.9	2416.7	2433.3	2465.3	2493.4	2535.6
15°	2443.6	2430.8	2420.6	2425.7	2434.6	2450.0	2471.7	2501.1	2553.5	2602.1	2658.4
17.5°	2480.7	2478.1	2474.3	2490.9	2497.3	2533.1	2565.1	2618.8	2690.4	2763.3	2843.8
20°	2516.5	2544.6	2558.7	2591.9	2612.4	2661.0	2709.5	2774.8	2865.5	2965.3	3075.3
22.5°	2566.3	2643.1	2690.4	2758.1	2792.7	2845.1	2916.7	3002.4	3103.4	3231.3	3371.9
25°	2685.2	2797.8	2892.4	2998.5	3085.5	3166.0	3251.7	3355.3	3501.1	3617.4	3801.5
27.5°	2737.7	2896.2	3038.2	3187.8	3318.2	3442.2	3577.8	3703.1	3875.7	4033.0	4255.5
30°	2687.8	2866.8	3051.0	3246.6	3437.1	3625.1	3822.0	4013.8	4213.3	4433.2	4669.8
32.5°	2595.7	2796.5	3003.6	3233.8	3470.4	3714.6	3970.3	4249.1	4530.4	4804.0	5045.7
35°	2502.4	2718.5	2948.7	3212.1	3490.8	3793.9	4111.0	4463.9	4836.0	5182.5	5498.4
37.5°	2366.9	2604.7	2868.1	3172.4	3503.6	3877.0	4284.9	4719.6	5190.2	5667.2	6081.5
40°	2203.2	2455.1	2742.8	3093.2	3490.8	3962.7	4493.3	5050.8	5655.6	6237.5	6746.4
42.5°	2053.6	2299.1	2606.0	2987.0	3457.6	4038.1	4691.5	5385.8	6101.9	6752.8	7417.7
45°	1921.9	2193.0	2501.1	2912.9	3441.0	4102.0	4838.6	5636.5	6456.1	7231.0	8016.1
47.5°	1801.7	2083.0	2428.2	2871.9	3433.3	4140.4	4940.9	5800.1	6708.0	7598.0	8509.7
50°	1677.6	1951.3	2320.8	2827.2	3414.1	4139.1	4994.6	5911.4	6884.5	7883.1	8849.8
52.5°	1544.7	1819.6	2190.4	2745.3	3373.2	4116.1	5008.6	5986.8	7023.8	8058.3	9138.8
55°	1423.2	1680.2	2051.0	2608.5	3287.5	4059.8	4976.7	6018.8	7122.3	8232.2	9342.1
57.5°	1283.8	1551.1	1904.0	2420.6	3126.4	3960.1	4885.9	5974.0	7150.4	8348.6	9503.2
60°	1092.0	1354.1	1717.3	2198.1	2874.5	3749.1	4717.1	5838.5	7060.9	8369.0	9618.3
62.5°	872.1	1098.4	1448.8	1891.2	2520.3	3417.9	4405.1	5534.2	6782.2	8177.2	9559.5
65°	648.3	799.2	1101.0	1489.7	2109.8	2919.3	3902.6	5024.0	6237.5	7644.0	9189.9
67.5°	451.4	560.1	745.5	1034.5	1534.4	2254.3	3185.2	4227.4	5394.8	6656.9	8422.7
70°	341.4	391.3	492.3	653.4	993.5	1535.7	2315.7	3244.0	4327.1	5543.1	7206.7
72.5°	291.5	317.1	373.4	447.5	608.7	933.4	1453.9	2232.6	3192.9	4182.6	5529.1
75°	262.1	283.9	319.7	367.0	430.9	566.5	852.9	1413.0	2115.0	2801.6	3857.8
77.5°	237.8	257.0	289.0	313.3	347.8	407.9	543.4	845.2	1267.2	1731.3	2393.7
80°	212.3	223.8	253.2	277.5	304.3	338.9	390.0	530.7	727.6	1025.5	1411.7
82.5°	181.6	190.5	212.3	245.5	266.0	280.0	295.4	351.6	436.0	556.2	783.8
85°	140.7	147.0	166.2	190.5	199.5	200.8	203.3	218.7	271.1	416.9	675.1
87.5°	71.6	79.3	99.7	107.4	90.8	98.5	99.7	106.1	140.7	228.9	232.7
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: P159129
CATALOG NUMBER: VST-E07-LED-E-U-SLR-7030

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	0°
2.5°	2228.8	2232.6	2241.5	2240.3	2246.7	2246.7	2246.7	2253.1	2249.2	2253.1	2259.4	2.5°
5°	2292.7	2299.1	2311.9	2311.9	2313.2	2309.3	2317.0	2322.1	2315.7	2313.2	2314.4	5°
7.5°	2386.0	2396.3	2406.5	2416.7	2424.4	2420.6	2421.8	2410.3	2407.8	2398.8	2387.3	7.5°
10°	2476.8	2505.0	2524.1	2542.0	2543.3	2539.5	2540.8	2521.6	2517.7	2499.8	2488.3	10°
12.5°	2570.2	2606.0	2636.7	2655.8	2667.3	2669.9	2671.2	2671.2	2653.3	2637.9	2611.1	12.5°
15°	2708.3	2770.9	2818.2	2838.7	2855.3	2870.7	2874.5	2879.6	2865.5	2845.1	2841.3	15°
17.5°	2926.9	2985.7	3048.4	3103.4	3140.5	3143.0	3175.0	3172.4	3201.8	3178.8	3172.4	17.5°
20°	3186.5	3314.4	3379.6	3452.5	3494.7	3515.1	3589.3	3566.3	3588.0	3625.1	3588.0	20°
22.5°	3511.3	3673.7	3768.3	3868.0	3937.1	3987.0	4040.7	4082.9	4141.7	4169.8	4144.2	22.5°
25°	3942.2	4127.6	4240.1	4378.2	4488.2	4577.7	4671.1	4783.6	4782.3	4850.1	4897.4	25°
27.5°	4437.1	4673.6	4837.3	5080.2	5174.9	5325.7	5485.6	5659.5	5690.2	5778.4	5823.2	27.5°
30°	4902.5	5195.3	5520.1	5809.1	6136.4	6360.2	6545.6	6668.4	6853.8	6807.7	6782.2	30°
32.5°	5332.1	5722.1	6185.0	6659.4	7178.6	7532.8	7860.1	8012.3	8127.4	7883.1	7559.6	32.5°
35°	5889.6	6356.4	6885.7	7471.4	8131.2	8633.7	8971.3	9018.6	8953.4	8640.1	8104.3	35°
37.5°	6580.1	7069.9	7672.1	8291.0	8991.8	9463.6	9848.5	9917.5	9744.9	9186.1	8623.5	37.5°
40°	7261.7	7835.8	8489.2	9221.9	9948.2	10467.4	10853.5	10874.0	10592.7	9939.3	9280.7	40°
42.5°	8007.2	8635.0	9362.6	10174.5	10925.1	11450.7	11729.4	11817.7	11420.0	10582.4	9950.8	42.5°
45°	8650.3	9400.9	10211.6	11074.7	11859.9	12358.5	12642.4	12614.3	12133.5	11306.2	10565.8	45°
47.5°	9276.9	10102.9	10957.1	11873.9	12653.9	13157.7	13449.3	13423.7	12813.8	11861.1	11046.6	47.5°
50°	9834.4	10730.8	11643.8	12623.2	13400.7	13862.3	14219.0	14106.5	13335.5	12307.4	11356.1	50°
52.5°	10221.9	11221.8	12175.7	13234.4	14034.9	14472.2	14926.2	14564.3	13643.6	12581.0	11522.3	52.5°
55°	10467.4	11559.4	12554.2	13725.5	14511.9	15034.8	15327.7	14813.6	13762.5	12656.5	11579.8	55°
57.5°	10633.6	11744.8	12776.7	14009.3	14941.5	15380.1	15451.7	14822.6	13685.8	12537.6	11522.3	57.5°
60°	10715.4	11799.8	12877.7	14208.8	15243.3	15483.7	15353.2	14615.4	13421.1	12188.5	11151.5	60°
62.5°	10706.5	11730.7	12825.3	14275.3	15303.4	15334.1	15037.4	14262.5	12934.0	11455.8	10535.1	62.5°
65°	10478.9	11478.8	12529.9	14028.5	15023.3	14891.6	14518.3	13600.2	11986.4	10499.3	10033.9	65°
67.5°	9822.9	10781.9	11757.6	13220.4	14234.4	14106.5	13541.3	12298.4	10885.5	9652.8	9402.2	67.5°
70°	8725.8	9539.0	10395.8	11680.8	12744.7	12572.1	11583.7	10828.0	9794.8	8674.6	8587.7	70°
72.5°	7294.9	7911.3	8532.7	9489.2	10221.9	9868.9	9247.5	9207.9	8372.9	7517.4	7535.3	72.5°
75°	5705.5	6168.4	6458.7	7021.3	7508.5	7192.6	7229.7	7449.7	7174.7	6500.9	6282.2	75°
77.5°	4134.0	4577.7	4669.8	5003.5	5346.2	5705.5	6181.2	6699.1	6786.0	6407.5	5614.7	77.5°
80°	2705.7	3194.2	3012.6	3131.5	3613.6	4269.5	5137.8	5990.7	6283.5	5943.4	4967.7	80°
82.5°	1595.8	2279.9	1990.9	2194.2	2499.8	3071.4	3671.1	4314.3	4804.0	4442.2	4149.4	82.5°
85°	1212.2	1797.8	1904.0	2150.8	2250.5	2274.8	2379.6	2589.3	2842.5	2937.2	2929.5	85°
87.5°	631.7	1397.6	1569.0	1451.3	1354.1	1173.8	915.5	985.9	901.5	1232.7	1167.4	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: P159129

NUMBER: VST-E07-LED-E-U-SLR-7030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
2136.7	2136.7	2136.7	2136.7	2136.7	2136.7	2136.7
2260.7	2256.9	2259.4	2260.7	2260.7	2260.7	2263.3
2313.2	2302.9	2299.1	2299.1	2297.8	2294.0	2292.7
2369.4	2351.5	2345.1	2337.4	2331.1	2327.2	2320.8
2470.4	2455.1	2423.1	2405.2	2388.6	2377.1	2366.9
2606.0	2584.2	2553.5	2530.5	2505.0	2497.3	2484.5
2815.7	2796.5	2769.6	2744.1	2728.7	2701.9	2682.7
3143.0	3104.7	3077.8	3044.6	3007.5	2952.5	2925.6
3573.9	3497.2	3443.5	3414.1	3339.9	3331.0	3265.8
4068.8	4045.8	3963.9	3928.1	3856.5	3828.4	3726.1
4809.2	4791.3	4623.7	4605.8	4495.9	4414.0	4255.5
5782.2	5635.2	5445.9	5314.2	5126.3	4915.3	4645.5
6632.6	6332.1	6043.1	5736.2	5476.6	5173.6	4868.0
7174.7	6771.9	6399.8	6085.3	5764.3	5403.7	5011.2
7650.4	7243.8	6838.4	6466.3	6077.6	5616.0	5131.4
8219.4	7815.4	7358.9	6835.9	6337.2	5772.0	5180.0
8802.5	8329.4	7759.1	7118.5	6491.9	5848.7	5171.0
9399.7	8794.8	8036.6	7306.4	6590.4	5860.2	5110.9
9884.3	9119.6	8242.4	7402.3	6610.8	5820.6	5035.5
10227.0	9328.0	8334.5	7435.6	6585.3	5757.9	4933.2
10422.6	9441.9	8357.5	7411.3	6532.8	5668.4	4821.9
10494.2	9476.4	8334.5	7361.4	6485.5	5572.5	4743.9
10486.5	9457.2	8250.1	7245.1	6358.9	5444.7	4648.0
10342.0	9279.5	8077.5	7105.7	6251.5	5385.8	4654.4
10096.5	9166.9	8026.3	7133.8	6307.8	5512.4	4856.5
9985.3	9392.0	8314.0	7415.1	6596.8	5874.3	5273.3
9922.6	9757.7	8725.8	7718.2	6939.5	6312.9	5770.7
9666.9	9862.5	8959.8	7890.8	7245.1	6752.8	6268.1
9253.9	9618.3	8782.0	7857.6	7413.8	7090.3	6447.2
8392.0	8776.9	7990.5	7367.8	7202.9	7095.5	6178.6
6798.8	6998.3	6550.7	6410.1	6471.5	6472.7	5182.5
5013.7	4893.5	4691.5	4701.7	5114.8	5050.8	3694.1
4093.1	3350.2	3063.7	3172.4	3682.6	3407.7	2320.8
3809.2	2988.3	2466.6	2492.2	2781.2	2195.5	1397.6
3080.4	2723.6	2184.0	1960.2	1902.7	1462.8	948.8
1288.9	1185.3	882.3	795.3	652.1	399.0	181.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)