

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: P159138

Luminaire Tested: **VST-E08-LED-E-U-SLR-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159138
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-E08-LED-E-U-SLR-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(8) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (168) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18144.3 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Rectangular (W 1.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G4

Input Watts (W): 194.5
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

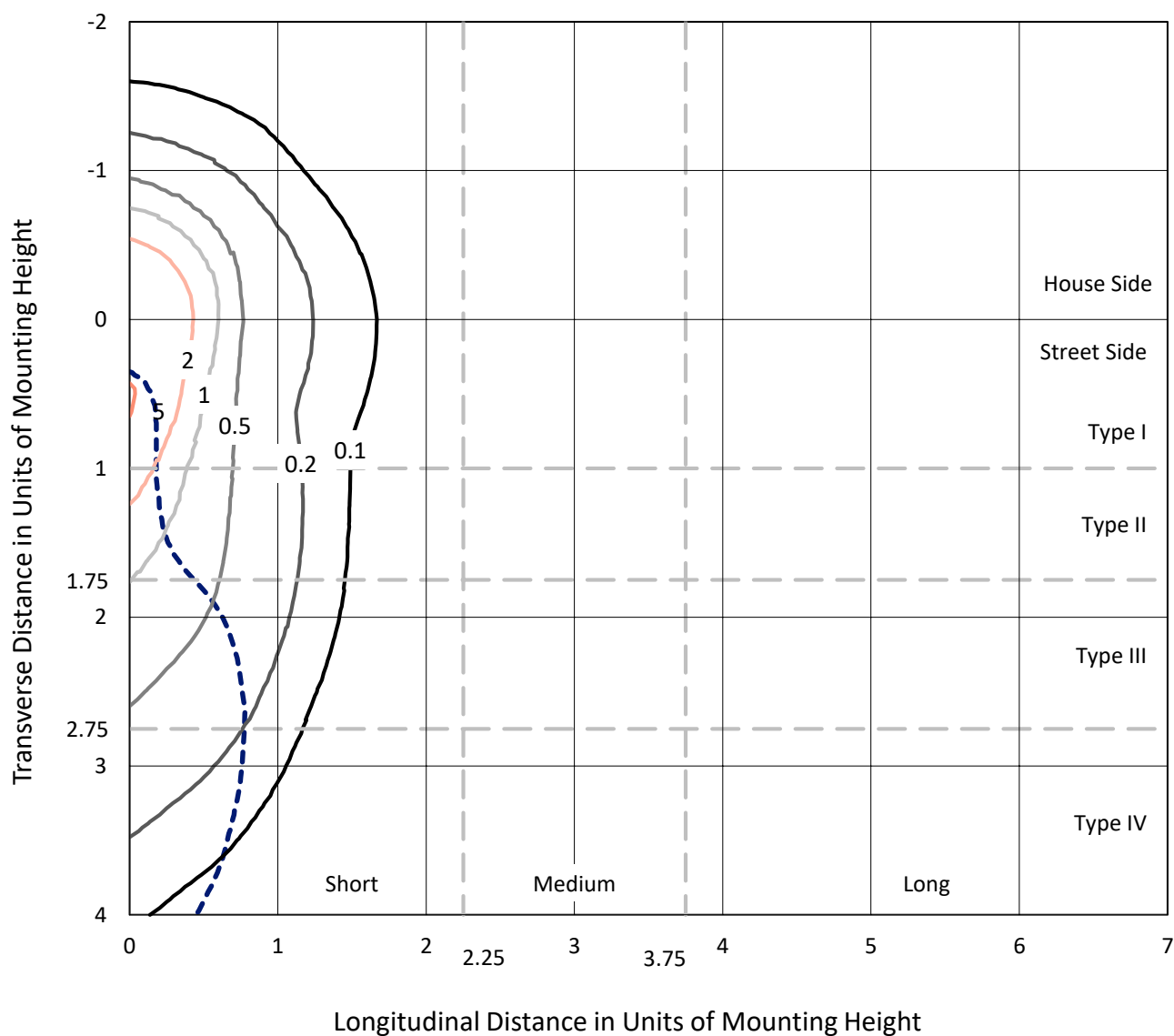


REPORT NUMBER: P159138

CATALOG NUMBER: VST-E08-LED-E-U-SLR-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

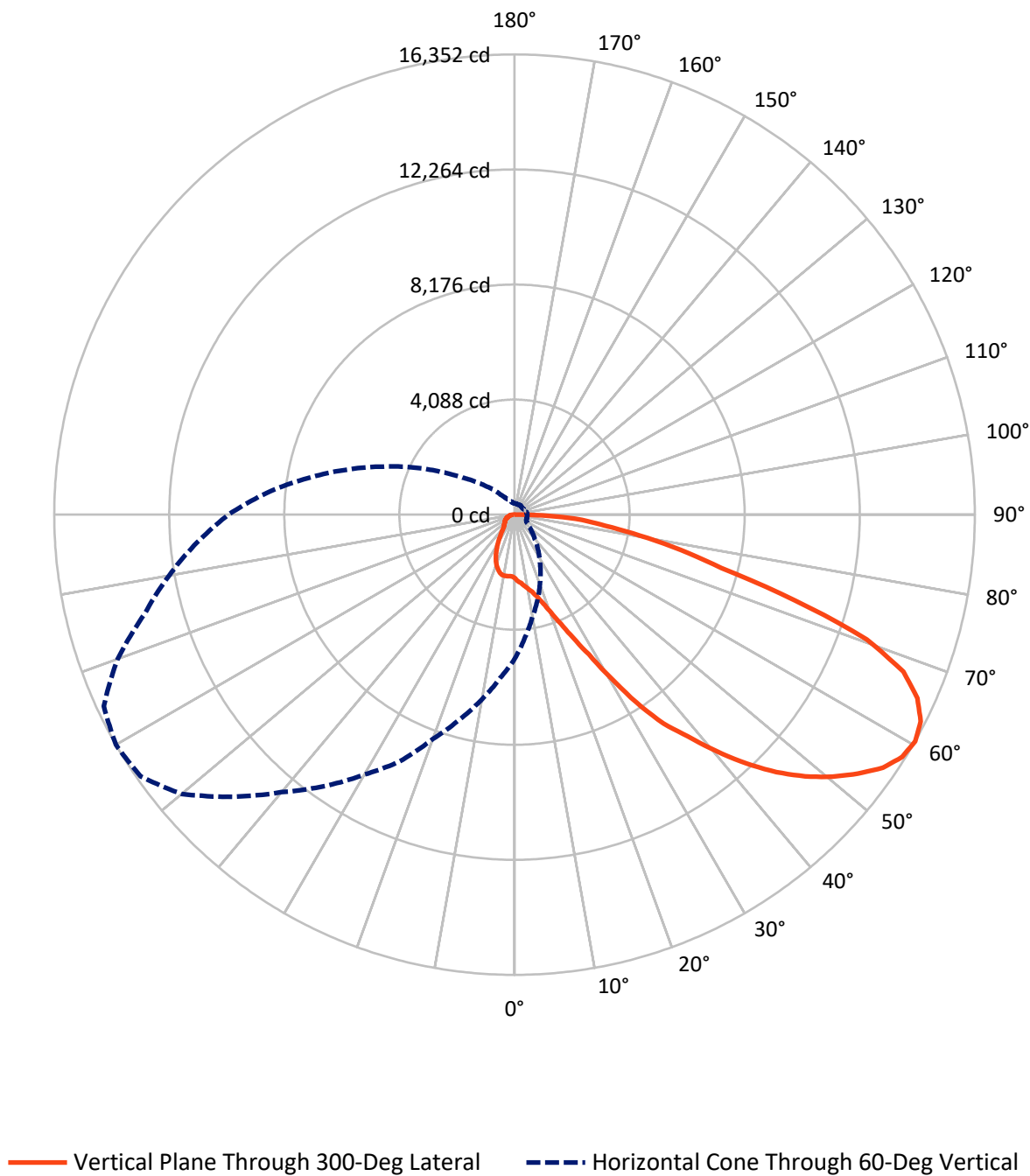


Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P159138

CATALOG NUMBER: VST-E08-LED-E-U-SLR-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P159138

CATALOG NUMBER: VST-E08-LED-E-U-SLR-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4085.5	0.0	4085.5
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	14058.8	0.0	14058.8
	% Fixture	77.5	0.0	77.5
Total	Lumens	18144.3	0.0	18144.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.6	1.2
10°-20°	718.8	4.0
20°-30°	1364.0	7.5
30°-40°	2148.0	11.8
40°-50°	2998.1	16.5
50°-60°	3708.0	20.4
60°-70°	3843.5	21.2
70°-80°	2418.5	13.3
80°-90°	722.9	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°	18144.3	100.0
0°-180°	18144.3	100.0

Coefficient of Utilization



REPORT NUMBER: P159138

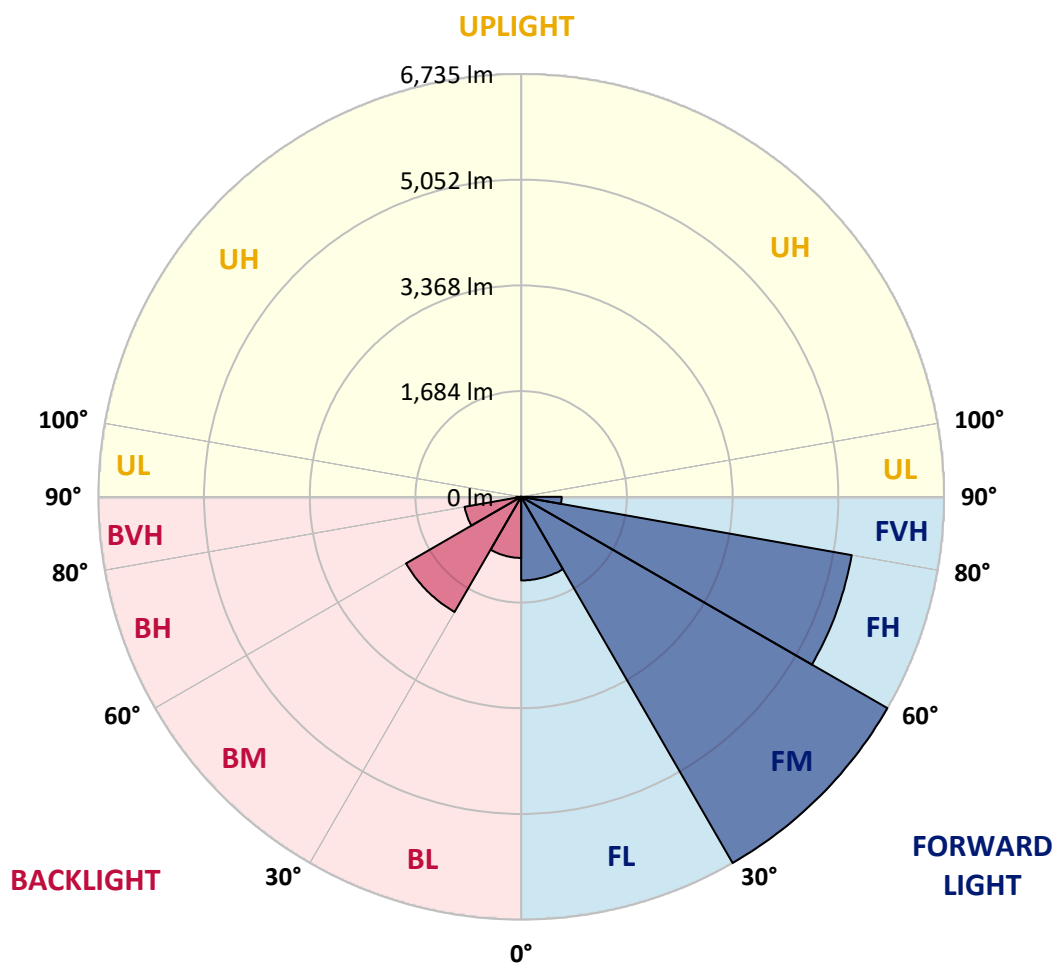
CATALOG NUMBER: VST-E08-LED-E-U-SLR-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1332.1	7.3			
FM	(30°-60°)	6735.5	37.1			
FH	(60°-80°)	5347.0	29.5			G3/7500
FVH	(80°-90°)	644.3	3.6			G4/750
BL	(0°-30°)	973.3	5.4	B2/1000		
BM	(30°-60°)	2118.6	11.7	B2/2500		
BH	(60°-80°)	915.0	5.0	B2/1000		G2/1000
BVH	(80°-90°)	78.6	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: P159138

CATALOG NUMBER: VST-E08-LED-E-U-SLR-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5
2.5°	2390.2	2247.0	2249.7	2245.7	2245.7	2243.0	2245.7	2243.0	2240.3	2240.3	2241.6
5°	2421.2	2263.2	2263.2	2259.2	2256.5	2253.8	2256.5	2253.8	2252.4	2249.7	2251.1
7.5°	2450.9	2272.7	2267.3	2261.9	2255.1	2257.8	2257.8	2256.5	2257.8	2256.5	2259.2
10°	2499.6	2303.8	2290.3	2278.1	2276.7	2274.0	2274.0	2270.0	2270.0	2267.3	2268.6
12.5°	2623.8	2399.6	2384.8	2363.2	2359.1	2347.0	2340.2	2332.1	2318.6	2306.5	2297.0
15°	2833.1	2559.0	2530.6	2511.7	2503.6	2479.3	2441.5	2411.8	2372.6	2338.9	2303.8
17.5°	3089.7	2772.3	2738.6	2714.3	2673.8	2607.6	2544.1	2471.2	2395.6	2326.7	2263.2
20°	3448.9	3078.9	3012.7	2954.6	2853.4	2739.9	2621.1	2494.2	2378.0	2270.0	2176.8
22.5°	3935.0	3474.5	3351.7	3196.4	3008.7	2816.9	2627.9	2452.3	2297.0	2156.6	2032.3
25°	4494.1	3852.6	3631.2	3363.8	3076.2	2811.5	2563.0	2337.5	2156.6	1975.6	1840.6
27.5°	4906.0	4168.6	3841.8	3490.7	3123.4	2785.8	2480.7	2207.9	1989.1	1804.1	1640.7
30°	5140.9	4349.6	3956.6	3544.8	3131.5	2742.6	2376.7	2060.7	1808.2	1588.1	1431.4
32.5°	5292.2	4446.8	3968.8	3490.7	3034.3	2614.3	2218.7	1890.5	1616.4	1381.4	1215.3
35°	5419.1	4486.0	3912.1	3370.6	2850.7	2419.9	2016.1	1688.0	1397.6	1181.6	1011.4
37.5°	5470.4	4479.2	3821.6	3209.9	2671.1	2207.9	1809.5	1473.3	1214.0	1023.6	877.8
40°	5461.0	4417.1	3698.7	3038.4	2460.4	1986.4	1590.8	1295.0	1084.4	923.7	817.0
42.5°	5397.5	4334.7	3562.3	2864.2	2267.3	1802.8	1442.2	1180.2	1010.1	888.6	795.4
45°	5317.8	4236.2	3438.1	2704.8	2114.7	1671.8	1355.8	1147.8	1000.6	884.5	784.6
47.5°	5209.8	4126.8	3312.5	2591.4	2033.7	1632.6	1354.4	1166.7	1008.7	875.0	765.7
50°	5092.3	4047.1	3243.6	2542.8	2024.2	1656.9	1401.7	1196.4	1014.1	865.6	740.0
52.5°	5009.9	4012.0	3242.3	2560.3	2074.2	1724.4	1457.1	1234.3	1034.4	871.0	734.6
55°	4908.7	4006.6	3277.4	2636.0	2183.6	1839.2	1544.8	1299.1	1076.3	891.3	738.7
57.5°	4915.4	4113.3	3413.8	2822.3	2380.7	1994.5	1656.9	1378.7	1116.8	903.4	731.9
60°	5128.8	4361.7	3682.5	3141.0	2638.7	2176.8	1771.7	1422.0	1114.1	876.4	699.5
62.5°	5569.0	4734.5	4084.9	3515.1	2900.6	2317.3	1813.6	1409.8	1073.6	818.3	646.8
65°	6094.3	5170.6	4476.5	3805.4	3060.0	2349.7	1777.1	1342.3	992.5	742.7	583.4
67.5°	6619.6	5479.9	4702.0	3887.8	2995.2	2218.7	1642.1	1191.0	854.8	640.1	511.8
70°	6808.6	5543.3	4684.5	3702.8	2700.8	1893.2	1351.7	958.8	686.0	523.9	430.8
72.5°	6525.1	5146.3	4164.6	3146.4	2195.7	1467.9	991.2	707.6	523.9	410.5	351.1
75°	5473.1	4144.3	3292.2	2369.9	1585.4	1038.4	715.7	515.8	394.3	325.4	280.9
77.5°	3901.3	2885.8	2243.0	1557.0	1029.0	719.8	513.1	387.6	313.3	260.6	228.2
80°	2450.9	1771.7	1366.6	934.5	641.4	488.8	368.7	306.5	252.5	212.0	190.4
82.5°	1476.0	1031.7	804.8	580.7	421.3	334.9	271.4	240.4	201.2	175.6	163.4
85°	1002.0	758.9	528.0	343.0	253.9	197.2	185.0	166.1	149.9	125.6	121.5
87.5°	191.8	271.4	236.3	140.4	93.2	79.7	70.2	67.5	60.8	48.6	55.4
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: P159138

CATALOG NUMBER: VST-E08-LED-E-U-SLR-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5
2.5°	2233.5	2230.8	2225.4	2225.4	2221.4	2213.3	2211.9	2206.5	2199.8	2201.1	2199.8
5°	2241.6	2236.2	2229.5	2226.8	2221.4	2213.3	2209.2	2202.5	2195.7	2195.7	2195.7
7.5°	2251.1	2244.3	2238.9	2229.5	2218.7	2210.6	2199.8	2191.7	2187.6	2186.3	2187.6
10°	2259.2	2255.1	2247.0	2233.5	2218.7	2202.5	2191.7	2180.9	2170.1	2171.4	2172.8
12.5°	2276.7	2263.2	2241.6	2221.4	2198.4	2178.2	2159.3	2145.8	2132.3	2132.3	2133.6
15°	2264.6	2225.4	2195.7	2156.6	2130.9	2098.5	2076.9	2064.7	2056.6	2053.9	2055.3
17.5°	2193.0	2145.8	2101.2	2066.1	2031.0	2005.3	1995.9	1987.8	1977.0	1982.4	1977.0
20°	2085.0	2026.9	1963.5	1921.6	1879.7	1862.2	1846.0	1837.9	1831.1	1855.4	1855.4
22.5°	1929.7	1859.5	1794.7	1743.3	1696.1	1677.2	1661.0	1651.5	1655.6	1685.3	1688.0
25°	1733.9	1648.8	1563.7	1532.7	1485.4	1470.6	1461.1	1459.8	1463.8	1493.5	1500.3
27.5°	1525.9	1436.8	1363.9	1292.3	1270.7	1258.6	1241.0	1261.3	1265.3	1297.7	1311.2
30°	1304.5	1208.6	1131.6	1084.4	1038.4	1045.2	1030.3	1054.7	1065.5	1099.2	1110.0
32.5°	1077.6	987.1	910.2	862.9	830.5	834.5	823.7	845.3	856.1	896.7	916.9
35°	891.3	814.3	752.2	711.7	696.8	681.9	679.2	681.9	692.7	723.8	760.3
37.5°	784.6	721.1	676.5	646.8	626.6	617.1	611.7	611.7	611.7	618.5	636.0
40°	738.7	681.9	642.8	614.4	600.9	595.5	591.5	587.4	580.7	578.0	579.3
42.5°	718.4	653.6	611.7	590.1	582.0	582.0	582.0	579.3	572.6	565.8	559.1
45°	698.1	627.9	586.1	571.2	567.2	568.5	568.5	568.5	563.1	555.0	542.9
47.5°	672.5	599.6	557.7	548.3	548.3	552.3	553.7	553.7	548.3	540.2	530.7
50°	641.4	563.1	525.3	517.2	513.1	513.1	513.1	513.1	509.1	503.7	496.9
52.5°	625.2	542.9	503.7	495.6	495.6	491.5	490.2	486.1	482.1	478.0	468.6
55°	619.8	534.8	494.2	487.5	487.5	483.4	479.4	475.3	468.6	461.8	452.4
57.5°	605.0	517.2	482.1	476.7	476.7	474.0	469.9	465.9	459.1	449.7	437.5
60°	571.2	487.5	457.8	456.4	456.4	455.1	452.4	452.4	445.6	436.2	421.3
62.5°	528.0	456.4	428.1	428.1	426.7	425.4	420.0	418.6	410.5	398.4	384.9
65°	486.1	429.4	410.5	405.1	402.4	398.4	395.7	388.9	382.2	371.4	357.9
67.5°	433.5	388.9	376.8	371.4	366.0	361.9	357.9	353.8	345.7	337.6	326.8
70°	376.8	344.3	337.6	336.2	329.5	325.4	324.1	320.0	311.9	303.8	290.3
72.5°	322.7	303.8	298.4	298.4	290.3	284.9	282.2	280.9	275.5	268.7	256.6
75°	260.6	247.1	245.8	252.5	252.5	248.5	245.8	248.5	240.4	236.3	224.2
77.5°	213.4	206.6	202.6	205.3	213.4	209.3	203.9	203.9	203.9	197.2	193.1
80°	181.0	175.6	171.5	174.2	172.8	171.5	168.8	163.4	163.4	163.4	162.0
82.5°	163.4	162.0	147.2	147.2	141.8	137.7	135.0	132.3	129.6	129.6	136.4
85°	122.9	126.9	118.8	117.5	110.7	105.3	99.9	97.2	94.5	98.6	112.1
87.5°	59.4	59.4	56.7	63.5	58.1	55.4	51.3	48.6	51.3	63.5	75.6
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: P159138

CATALOG NUMBER: VST-E08-LED-E-U-SLR-8030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5
2.5°	2197.1	2195.7	2194.4	2191.7	2186.3	2184.9	2182.2	2182.2	2180.9	2178.2	2180.9
5°	2193.0	2195.7	2195.7	2194.4	2190.3	2193.0	2193.0	2197.1	2197.1	2199.8	2206.5
7.5°	2187.6	2194.4	2199.8	2203.8	2209.2	2213.3	2221.4	2233.5	2238.9	2248.4	2252.4
10°	2176.8	2189.0	2198.4	2210.6	2224.1	2238.9	2251.1	2270.0	2276.7	2290.3	2297.0
12.5°	2145.8	2166.0	2182.2	2206.5	2229.5	2252.4	2274.0	2298.4	2310.5	2325.4	2334.8
15°	2070.1	2093.1	2116.1	2137.7	2178.2	2222.7	2257.8	2290.3	2307.8	2326.7	2336.2
17.5°	1979.7	1994.5	2013.4	2041.8	2080.9	2120.1	2176.8	2222.7	2249.7	2271.3	2274.0
20°	1874.3	1895.9	1909.4	1920.2	1951.3	1978.3	2039.1	2091.7	2126.9	2152.5	2159.3
22.5°	1713.6	1736.6	1759.6	1767.7	1792.0	1827.1	1860.8	1917.5	1967.5	2005.3	2028.3
25°	1530.0	1551.6	1582.7	1607.0	1612.4	1640.7	1674.5	1739.3	1790.6	1851.4	1878.4
27.5°	1346.3	1365.2	1399.0	1412.5	1428.7	1457.1	1484.1	1538.1	1592.1	1662.3	1692.0
30°	1131.6	1172.1	1211.3	1237.0	1250.5	1284.2	1303.1	1355.8	1405.8	1457.1	1500.3
32.5°	948.0	984.4	1029.0	1061.4	1077.6	1103.3	1133.0	1177.5	1216.7	1266.7	1316.6
35°	779.2	829.1	858.8	887.2	929.1	941.2	970.9	1011.4	1034.4	1088.4	1145.1
37.5°	660.3	690.0	719.8	748.1	783.2	799.4	827.8	861.5	888.6	921.0	972.3
40°	587.4	603.6	625.2	644.1	669.8	690.0	704.9	733.3	753.5	785.9	822.4
42.5°	553.7	557.7	560.4	573.9	587.4	600.9	617.1	629.3	653.6	677.9	700.9
45°	534.8	526.7	522.6	523.9	529.4	537.5	551.0	564.5	580.7	595.5	609.0
47.5°	518.5	507.7	495.6	488.8	490.2	492.9	503.7	514.5	522.6	534.8	540.2
50°	480.7	471.3	460.5	451.0	452.4	453.7	463.2	471.3	476.7	480.7	487.5
52.5°	456.4	442.9	433.5	424.0	422.7	426.7	434.8	442.9	445.6	448.3	449.7
55°	438.9	425.4	413.2	403.8	399.7	409.2	411.9	422.7	426.7	426.7	428.1
57.5°	425.4	409.2	397.0	387.6	380.8	387.6	394.3	406.5	407.8	405.1	405.1
60°	405.1	393.0	380.8	371.4	364.6	370.0	375.4	388.9	388.9	382.2	380.8
62.5°	370.0	363.3	355.2	351.1	349.7	355.2	359.2	370.0	366.0	357.9	355.2
65°	344.3	338.9	330.8	328.1	326.8	334.9	336.2	343.0	337.6	333.5	332.2
67.5°	313.3	309.2	305.2	303.8	299.8	299.8	302.5	306.5	303.8	303.8	305.2
70°	278.2	272.8	268.7	270.1	267.4	267.4	268.7	271.4	270.1	272.8	275.5
72.5°	245.8	239.0	237.7	237.7	235.0	236.3	236.3	237.7	240.4	241.7	248.5
75°	214.7	208.0	208.0	206.6	206.6	206.6	208.0	210.7	213.4	214.7	217.4
77.5°	186.4	182.3	183.7	182.3	182.3	182.3	182.3	186.4	187.7	189.1	193.1
80°	160.7	160.7	162.0	162.0	160.7	159.3	160.7	163.4	164.7	166.1	167.4
82.5°	145.8	147.2	147.2	147.2	140.4	137.7	141.8	144.5	147.2	148.5	151.2
85°	125.6	120.2	125.6	124.2	114.8	113.4	113.4	114.8	117.5	114.8	114.8
87.5°	81.0	72.9	77.0	77.0	67.5	55.4	70.2	75.6	67.5	71.6	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: P159138

CATALOG NUMBER: VST-E08-LED-E-U-SLR-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5
2.5°	2184.9	2182.2	2183.6	2183.6	2186.3	2182.2	2187.6	2193.0	2194.4	2194.4	2195.7
5°	2213.3	2210.6	2220.0	2216.0	2225.4	2224.1	2230.8	2236.2	2238.9	2238.9	2238.9
7.5°	2257.8	2267.3	2272.7	2287.6	2288.9	2297.0	2303.8	2310.5	2307.8	2309.2	2307.8
10°	2307.8	2320.0	2333.5	2348.3	2349.7	2359.1	2369.9	2376.7	2374.0	2372.6	2368.6
12.5°	2351.0	2359.1	2375.3	2390.2	2398.3	2413.1	2423.9	2429.3	2429.3	2425.3	2421.2
15°	2348.3	2360.5	2378.0	2399.6	2414.5	2436.1	2455.0	2467.2	2468.5	2464.5	2463.1
17.5°	2288.9	2306.5	2322.7	2352.4	2379.4	2409.1	2440.1	2457.7	2473.9	2483.4	2488.8
20°	2182.2	2203.8	2226.8	2265.9	2302.4	2341.6	2378.0	2403.7	2428.0	2456.4	2490.1
22.5°	2056.6	2089.0	2121.5	2171.4	2216.0	2260.5	2302.4	2333.5	2371.3	2419.9	2483.4
25°	1909.4	1943.2	1983.7	2041.8	2098.5	2163.3	2225.4	2287.6	2360.5	2444.2	2542.8
27.5°	1735.2	1773.1	1825.7	1895.9	1960.8	2026.9	2124.2	2222.7	2341.6	2449.6	2561.7
30°	1562.4	1611.0	1667.7	1737.9	1802.8	1897.3	1994.5	2116.1	2241.6	2363.2	2496.9
32.5°	1376.0	1436.8	1507.0	1565.1	1638.0	1733.9	1831.1	1960.8	2094.4	2237.6	2384.8
35°	1196.4	1254.5	1309.9	1374.7	1447.6	1538.1	1632.6	1756.9	1925.6	2078.2	2253.8
37.5°	1014.1	1068.2	1107.3	1158.6	1222.1	1322.0	1423.3	1566.4	1725.8	1913.5	2089.0
40°	854.8	899.4	943.9	984.4	1038.4	1133.0	1241.0	1381.4	1538.1	1720.4	1916.2
42.5°	727.9	761.6	810.2	858.8	904.8	985.8	1087.1	1224.8	1380.1	1566.4	1762.3
45°	621.2	644.1	683.3	723.8	780.5	848.0	945.3	1085.7	1243.7	1431.4	1638.0
47.5°	544.2	555.0	582.0	623.9	676.5	742.7	826.4	953.4	1107.3	1296.4	1513.8
50°	491.5	503.7	517.2	552.3	599.6	667.1	736.0	846.7	987.1	1172.1	1388.2
52.5°	455.1	460.5	465.9	487.5	530.7	587.4	660.3	744.1	885.9	1062.8	1257.2
55°	433.5	434.8	438.9	449.7	482.1	534.8	598.2	677.9	788.6	956.1	1154.6
57.5°	407.8	410.5	414.6	421.3	441.6	488.8	542.9	607.7	699.5	839.9	1030.3
60°	383.5	390.3	397.0	401.1	411.9	440.2	486.1	537.5	611.7	717.1	868.3
62.5°	357.9	366.0	371.4	375.4	379.5	397.0	430.8	464.5	510.4	579.3	692.7
65°	334.9	340.3	344.3	347.0	349.7	355.2	370.0	383.5	397.0	438.9	521.2
67.5°	309.2	311.9	313.3	314.6	313.3	313.3	314.6	320.0	325.4	341.6	380.8
70°	279.5	283.6	283.6	284.9	284.9	280.9	280.9	280.9	280.9	284.9	306.5
72.5°	251.2	256.6	256.6	257.9	256.6	255.2	255.2	255.2	259.3	262.0	270.1
75°	224.2	229.6	228.2	229.6	230.9	230.9	233.6	235.0	239.0	240.4	245.8
77.5°	197.2	201.2	202.6	201.2	203.9	206.6	212.0	214.7	216.1	217.4	218.8
80°	171.5	174.2	172.8	168.8	175.6	179.6	187.7	197.2	194.5	195.8	198.5
82.5°	141.8	137.7	135.0	137.7	141.8	147.2	155.3	167.4	168.8	175.6	174.2
85°	109.4	97.2	95.9	102.6	101.3	108.0	121.5	131.0	139.1	145.8	139.1
87.5°	64.8	58.1	48.6	45.9	50.0	66.2	68.9	83.7	90.5	93.2	83.7
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: P159138

CATALOG NUMBER: VST-E08-LED-E-U-SLR-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5
2.5°	2318.6	2325.4	2325.4	2328.1	2332.1	2333.5	2338.9	2348.3	2349.7	2349.7	2353.7
5°	2361.8	2368.6	2368.6	2374.0	2375.3	2382.1	2388.8	2399.6	2405.0	2403.7	2421.2
7.5°	2432.0	2426.6	2422.6	2430.7	2434.7	2442.8	2456.4	2465.8	2475.3	2490.1	2514.4
10°	2491.5	2483.4	2479.3	2484.7	2487.4	2496.9	2505.0	2518.5	2541.4	2564.4	2594.1
12.5°	2540.1	2530.6	2519.8	2522.5	2526.6	2538.7	2552.2	2569.8	2603.5	2633.3	2677.8
15°	2580.6	2567.1	2556.3	2561.7	2571.1	2587.3	2610.3	2641.4	2696.7	2748.0	2807.5
17.5°	2619.7	2617.0	2613.0	2630.6	2637.3	2675.1	2708.9	2765.6	2841.2	2918.2	3003.3
20°	2657.6	2687.3	2702.1	2737.2	2758.8	2810.2	2861.5	2930.3	3026.2	3131.5	3247.7
22.5°	2710.2	2791.2	2841.2	2912.8	2949.2	3004.6	3080.2	3170.7	3277.4	3412.4	3561.0
25°	2835.8	2954.6	3054.6	3166.7	3258.5	3343.6	3434.0	3543.4	3697.4	3820.2	4014.7
27.5°	2891.2	3058.6	3208.5	3366.5	3504.3	3635.2	3778.4	3910.7	4093.0	4259.1	4494.1
30°	2838.5	3027.6	3222.0	3428.6	3629.8	3828.3	4036.3	4238.9	4449.5	4681.8	4931.6
32.5°	2741.3	2953.3	3172.1	3415.1	3664.9	3922.9	4192.9	4487.3	4784.4	5073.4	5328.6
35°	2642.7	2870.9	3114.0	3392.2	3686.6	4006.6	4341.5	4714.2	5107.2	5473.1	5806.7
37.5°	2499.6	2750.7	3028.9	3350.3	3700.1	4094.4	4525.1	4984.3	5481.2	5984.9	6422.4
40°	2326.7	2592.7	2896.6	3266.6	3686.6	4184.8	4745.3	5334.0	5972.8	6587.2	7124.6
42.5°	2168.7	2428.0	2752.1	3154.5	3651.4	4264.5	4954.6	5687.8	6444.0	7131.4	7833.6
45°	2029.6	2315.9	2641.4	3076.2	3633.9	4332.0	5109.9	5952.5	6818.1	7636.4	8465.6
47.5°	1902.7	2199.8	2564.4	3033.0	3625.8	4372.5	5217.9	6125.3	7084.1	8024.0	8986.8
50°	1771.7	2060.7	2450.9	2985.7	3605.5	4371.2	5274.6	6242.8	7270.5	8325.1	9346.0
52.5°	1631.3	1921.6	2313.2	2899.3	3562.3	4346.9	5289.5	6322.5	7417.7	8510.1	9651.2
55°	1503.0	1774.4	2166.0	2754.8	3471.8	4287.5	5255.7	6356.3	7521.6	8693.8	9865.9
57.5°	1355.8	1638.0	2010.7	2556.3	3301.7	4182.1	5159.8	6309.0	7551.4	8816.7	10036.1
60°	1153.2	1430.1	1813.6	2321.3	3035.7	3959.3	4981.6	6165.9	7456.8	8838.3	10157.6
62.5°	921.0	1160.0	1530.0	1997.2	2661.6	3609.6	4652.1	5844.5	7162.4	8635.7	10095.5
65°	684.6	844.0	1162.7	1573.2	2228.1	3082.9	4121.4	5305.7	6587.2	8072.6	9705.2
67.5°	476.7	591.5	787.3	1092.5	1620.5	2380.7	3363.8	4464.4	5697.3	7030.1	8895.0
70°	360.6	413.2	519.9	690.0	1049.2	1621.8	2445.5	3425.9	4569.7	5853.9	7610.8
72.5°	307.9	334.9	394.3	472.6	642.8	985.8	1535.4	2357.8	3371.9	4417.1	5839.1
75°	276.8	299.8	337.6	387.6	455.1	598.2	900.7	1492.2	2233.5	2958.7	4074.1
77.5°	251.2	271.4	305.2	330.8	367.3	430.8	573.9	892.6	1338.2	1828.4	2527.9
80°	224.2	236.3	267.4	293.0	321.4	357.9	411.9	560.4	768.4	1083.0	1490.8
82.5°	191.8	201.2	224.2	259.3	280.9	295.7	311.9	371.4	460.5	587.4	827.8
85°	148.5	155.3	175.6	201.2	210.7	212.0	214.7	230.9	286.3	440.2	713.0
87.5°	75.6	83.7	105.3	113.4	95.9	104.0	105.3	112.1	148.5	241.7	245.8
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: P159138
CATALOG NUMBER: VST-E08-LED-E-U-SLR-8030

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	0°
2.5°	2353.7	2357.8	2367.2	2365.9	2372.6	2372.6	2372.6	2379.4	2375.3	2379.4	2386.1	2.5°
5°	2421.2	2428.0	2441.5	2441.5	2442.8	2446.9	2446.9	2452.3	2445.5	2442.8	2444.2	5°
7.5°	2519.8	2530.6	2541.4	2552.2	2560.3	2557.6	2557.6	2545.5	2542.8	2533.3	2521.2	7.5°
10°	2615.7	2645.4	2665.7	2684.6	2685.9	2683.2	2683.2	2663.0	2658.9	2640.0	2627.9	10°
12.5°	2714.3	2752.1	2784.5	2804.8	2816.9	2819.6	2821.0	2821.0	2802.0	2785.8	2757.5	12.5°
15°	2860.1	2926.3	2976.2	2997.9	3015.4	3031.6	3035.7	3041.1	3026.2	3004.6	3000.6	15°
17.5°	3091.0	3153.2	3219.3	3277.4	3316.5	3319.2	3353.0	3350.3	3381.4	3357.1	3350.3	17.5°
20°	3365.2	3500.2	3569.1	3646.0	3690.6	3712.2	3790.5	3766.2	3789.2	3828.3	3789.2	20°
22.5°	3708.2	3879.7	3979.6	4084.9	4157.8	4210.5	4267.2	4311.8	4373.9	4403.6	4376.6	22.5°
25°	4163.2	4359.0	4477.9	4623.7	4739.9	4834.4	4933.0	5051.8	5050.4	5122.0	5172.0	25°
27.5°	4685.8	4935.7	5108.5	5365.1	5465.0	5624.4	5793.2	5976.8	6009.2	6102.4	6149.7	27.5°
30°	5177.4	5486.6	5829.6	6134.8	6480.5	6716.8	6912.6	7042.3	7238.1	7189.5	7162.4	30°
32.5°	5631.1	6043.0	6531.8	7032.8	7581.1	7955.1	8300.8	8461.5	8583.1	8325.1	7983.5	32.5°
35°	6219.9	6712.8	7271.8	7890.3	8587.1	9117.8	9474.3	9524.3	9455.4	9124.6	8558.7	35°
37.5°	6949.1	7466.3	8102.3	8755.9	9495.9	9994.2	10400.7	10473.6	10291.3	9701.2	9107.0	37.5°
40°	7668.8	8275.2	8965.2	9739.0	10506.0	11054.3	11462.1	11483.7	11186.6	10496.5	9801.1	40°
42.5°	8456.1	9119.2	9887.5	10745.0	11537.7	12092.7	12387.1	12480.3	12060.3	11175.8	10508.7	42.5°
45°	9135.4	9928.0	10784.2	11695.7	12524.8	13051.5	13351.3	13321.6	12813.8	11940.1	11158.2	45°
47.5°	9797.0	10669.4	11571.5	12539.7	13363.4	13895.5	14203.4	14176.3	13532.2	12526.2	11666.0	47.5°
50°	10385.8	11332.4	12296.6	13331.0	14152.0	14639.5	15016.3	14897.5	14083.2	12997.5	11992.8	50°
52.5°	10795.0	11851.0	12858.4	13976.5	14821.8	15283.7	15763.0	15380.9	14408.6	13286.4	12168.3	52.5°
55°	11054.3	12207.5	13258.1	14495.0	15325.5	15877.8	16187.1	15644.2	14534.2	13366.1	12229.1	55°
57.5°	11229.8	12403.3	13493.1	14794.8	15779.3	16242.4	16318.1	15653.7	14453.2	13240.5	12168.3	57.5°
60°	11316.2	12461.4	13599.7	15005.5	16097.9	16351.8	16214.1	15434.9	14173.6	12871.9	11776.7	60°
62.5°	11306.8	12388.4	13544.4	15075.7	16161.4	16193.8	15880.5	15062.2	13659.1	12098.1	11125.8	62.5°
65°	11066.4	12122.4	13232.4	14815.1	15865.7	15726.6	15332.3	14362.7	12658.5	11088.0	10596.5	65°
67.5°	10373.7	11386.5	12416.8	13961.6	15032.5	14897.5	14300.6	12988.0	11495.8	10194.1	9929.4	67.5°
70°	9215.0	10073.9	10978.6	12335.8	13459.3	13277.0	12233.1	11435.1	10344.0	9161.0	9069.2	70°
72.5°	7703.9	8354.8	9011.1	10021.2	10795.0	10422.3	9766.0	9724.1	8842.3	7938.9	7957.8	72.5°
75°	6025.4	6514.3	6820.8	7415.0	7929.5	7595.9	7635.1	7867.3	7577.0	6865.4	6634.4	75°
77.5°	4365.8	4834.4	4931.6	5284.1	5646.0	6025.4	6527.8	7074.7	7166.5	6766.8	5929.5	77.5°
80°	2857.4	3373.3	3181.5	3307.1	3816.2	4508.9	5425.8	6326.6	6635.8	6276.6	5246.2	80°
82.5°	1685.3	2407.7	2102.6	2317.3	2640.0	3243.6	3877.0	4556.2	5073.4	4691.2	4382.0	82.5°
85°	1280.2	1898.6	2010.7	2271.3	2376.7	2402.3	2513.1	2734.5	3001.9	3101.8	3093.7	85°
87.5°	667.1	1476.0	1656.9	1532.7	1430.1	1239.7	966.9	1041.1	952.0	1301.8	1232.9	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: P159138

NUMBER: VST-E08-LED-E-U-SLR-8030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
2256.5	2256.5	2256.5	2256.5	2256.5	2256.5	2256.5
2387.5	2383.4	2386.1	2387.5	2387.5	2387.5	2390.2
2442.8	2432.0	2428.0	2428.0	2426.6	2422.6	2421.2
2502.3	2483.4	2476.6	2468.5	2461.8	2457.7	2450.9
2608.9	2592.7	2559.0	2540.1	2522.5	2510.4	2499.6
2752.1	2729.1	2696.7	2672.4	2645.4	2637.3	2623.8
2973.5	2953.3	2924.9	2897.9	2881.7	2853.4	2833.1
3319.2	3278.7	3250.4	3215.3	3176.1	3118.0	3089.7
3774.3	3693.3	3636.6	3605.5	3527.2	3517.8	3448.9
4296.9	4272.6	4186.2	4148.4	4072.8	4043.1	3935.0
5078.8	5059.9	4883.0	4864.1	4748.0	4661.5	4494.1
6106.4	5951.1	5751.3	5612.2	5413.7	5190.9	4906.0
7004.4	6687.1	6381.9	6057.8	5783.7	5463.7	5140.9
7577.0	7151.6	6758.7	6426.5	6087.5	5706.7	5292.2
8079.4	7649.9	7221.9	6828.9	6418.4	5930.9	5419.1
8680.3	8253.6	7771.5	7219.2	6692.5	6095.6	5470.4
9296.1	8796.4	8194.1	7517.6	6855.9	6176.7	5461.0
9926.7	9288.0	8487.2	7716.1	6959.9	6188.8	5397.5
10438.5	9630.9	8704.6	7817.4	6981.5	6147.0	5317.8
10800.4	9851.1	8801.8	7852.5	6954.5	6080.8	5209.8
11007.0	9971.2	8826.1	7826.8	6899.1	5986.3	5092.3
11082.6	10007.7	8801.8	7774.2	6849.2	5885.0	5009.9
11074.5	9987.5	8712.7	7651.3	6715.5	5749.9	4908.7
10921.9	9799.7	8530.4	7504.1	6602.0	5687.8	4915.4
10662.6	9680.9	8476.4	7533.8	6661.5	5821.5	5128.8
10545.2	9918.6	8780.2	7830.9	6966.6	6203.7	5569.0
10479.0	10304.8	9215.0	8150.9	7328.5	6666.9	6094.3
10208.9	10415.5	9462.2	8333.2	7651.3	7131.4	6619.6
9772.7	10157.6	9274.4	8298.1	7829.5	7487.9	6808.6
8862.6	9269.0	8438.6	7780.9	7606.7	7493.3	6525.1
7180.0	7390.7	6918.0	6769.5	6834.3	6835.7	5473.1
5294.9	5167.9	4954.6	4965.4	5401.5	5334.0	3901.3
4322.6	3538.0	3235.5	3350.3	3889.1	3598.8	2450.9
4022.8	3155.9	2604.9	2631.9	2937.1	2318.6	1476.0
3253.1	2876.3	2306.5	2070.1	2009.4	1544.8	1002.0
1361.2	1251.8	931.8	839.9	688.7	421.3	191.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)