

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: McGRAW-EDISON

Report Number: P159029

Luminaire Tested: **VTS-E08-LED-E1-SLR-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P159029  
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: MCGRAW-EDISON  
Catalog Number: VTS-E08-LED-E1-SLR-7030  
Description: VENTUS LED SITE LUMINAIRE  
(8) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (168) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

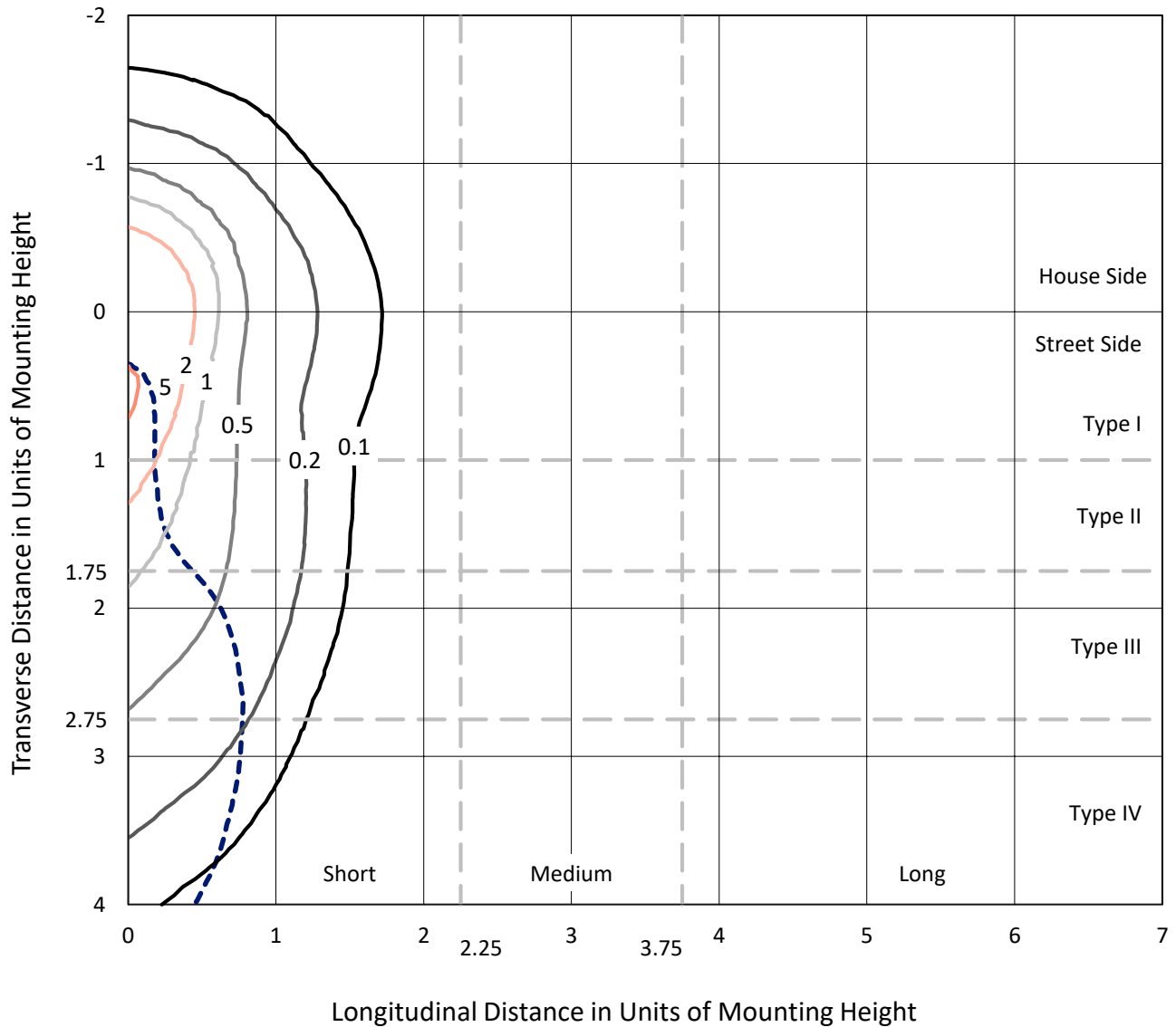
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19635.4 lumens  
Efficiency: N/A  
Efficacy: 101.0 lumens/watt  
Luminous Opening: Rectangular (W 1.33' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B3 - 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: 25 FT

REPORT NUMBER: P159029  
 CATALOG NUMBER: VTS-E08-LED-E1-SLR-7030

### Iso-Footcandle Lines of Horizontal Illumination

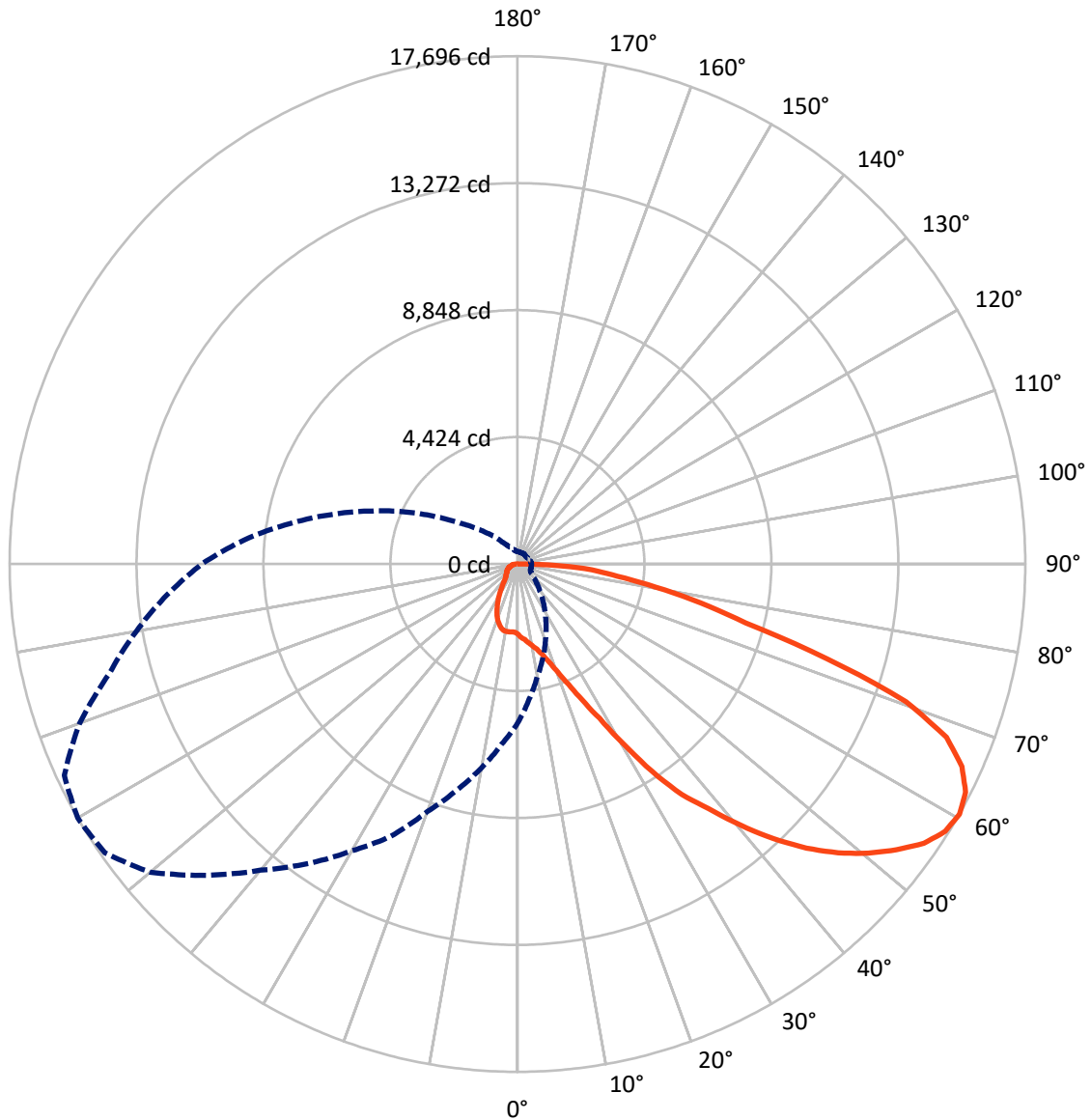
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P159029  
CATALOG NUMBER: VTS-E08-LED-E1-SLR-7030

### Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P159029

CATALOG NUMBER: VTS-E08-LED-E1-SLR-7030

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4421.3	0.0	4421.3
	% Fixture	22.5	0.0	22.5
<b>Street Side</b>	Lumens	15214.2	0.0	15214.2
	% Fixture	77.5	0.0	77.5
<b>Total</b>	Lumens	19635.4	0.0	19635.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.9	1.2
10°-20°	777.9	4.0
20°-30°	1476.1	7.5
30°-40°	2324.5	11.8
40°-50°	3244.5	16.5
50°-60°	4012.7	20.4
60°-70°	4159.3	21.2
70°-80°	2617.2	13.3
80°-90°	782.4	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°	19635.4	100.0
0°-180°	19635.4	100.0



REPORT NUMBER: P159029

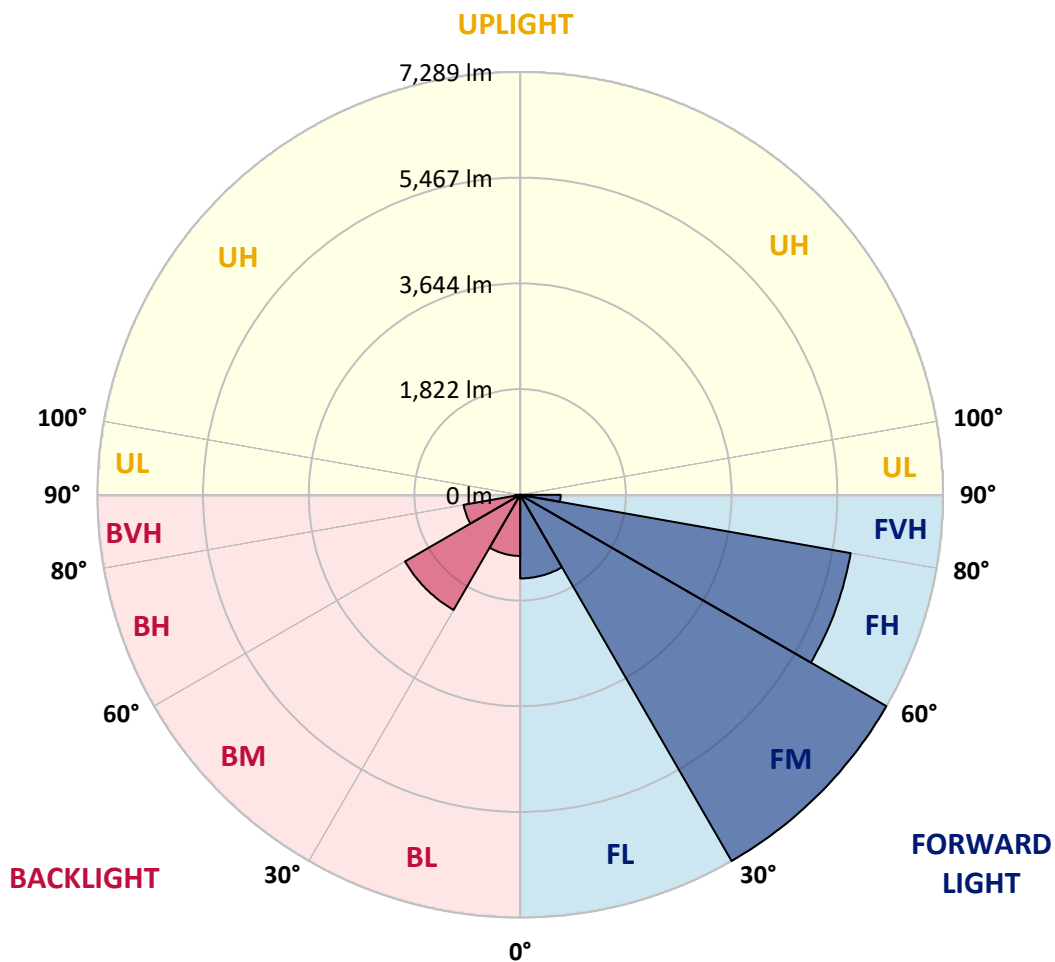
CATALOG NUMBER: VTS-E08-LED-E1-SLR-7030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1441.5	7.3			
FM	(30°-60°)	7289.0	37.1			
FH	(60°-80°)	5786.4	29.5			G3/7500
FVH	(80°-90°)	697.2	3.6			G4/750
BL	(0°-30°)	1053.3	5.4	B3/2500		
BM	(30°-60°)	2292.7	11.7	B2/2500		
BH	(60°-80°)	990.2	5.0	B2/1000		G2/1000
BVH	(80°-90°)	85.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type IV Short





REPORT NUMBER: P159029

CATALOG NUMBER: VTS-E08-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9
2.5°	2586.6	2431.7	2434.6	2430.2	2430.2	2427.3	2430.2	2427.3	2424.4	2424.4	2425.9
5°	2620.2	2449.2	2449.2	2444.9	2441.9	2439.0	2441.9	2439.0	2437.5	2434.6	2436.1
7.5°	2652.4	2459.5	2453.6	2447.8	2440.5	2443.4	2443.4	2441.9	2443.4	2441.9	2444.9
10°	2705.0	2493.1	2478.5	2465.3	2463.9	2460.9	2460.9	2456.5	2456.5	2453.6	2455.1
12.5°	2839.4	2596.8	2580.8	2557.4	2553.0	2539.8	2532.5	2523.8	2509.2	2496.0	2485.8
15°	3065.9	2769.3	2738.6	2718.1	2709.4	2683.1	2642.1	2610.0	2567.6	2531.1	2493.1
17.5°	3343.6	3000.2	2963.6	2937.3	2893.5	2821.9	2753.2	2674.3	2592.5	2517.9	2449.2
20°	3732.3	3331.9	3260.3	3197.5	3087.9	2965.1	2836.5	2699.1	2573.5	2456.5	2355.7
22.5°	4258.4	3760.1	3627.1	3459.0	3255.9	3048.4	2843.8	2653.8	2485.8	2333.8	2199.3
25°	4863.4	4169.3	3929.6	3640.2	3329.0	3042.6	2773.7	2529.6	2333.8	2138.0	1991.8
27.5°	5309.1	4511.2	4157.6	3777.6	3380.1	3014.8	2684.5	2389.3	2152.6	1952.4	1775.6
30°	5563.4	4707.0	4281.8	3836.1	3388.9	2968.0	2572.0	2230.0	1956.8	1718.6	1549.0
32.5°	5727.1	4812.3	4294.9	3777.6	3283.7	2829.2	2401.0	2045.9	1749.2	1495.0	1315.2
35°	5864.4	4854.6	4233.6	3647.6	3084.9	2618.8	2181.8	1826.7	1512.5	1278.7	1094.6
37.5°	5920.0	4847.3	4135.7	3473.7	2890.6	2389.3	1958.2	1594.3	1313.8	1107.7	949.9
40°	5909.7	4780.1	4002.7	3288.1	2662.6	2149.7	1721.5	1401.4	1173.5	999.6	884.1
42.5°	5841.1	4691.0	3855.1	3099.5	2453.6	1950.9	1560.7	1277.2	1093.1	961.6	860.7
45°	5754.8	4584.3	3720.6	2927.1	2288.5	1809.2	1467.2	1242.2	1082.9	957.2	849.1
47.5°	5637.9	4465.9	3584.7	2804.4	2200.8	1766.8	1465.7	1262.6	1091.6	947.0	828.6
50°	5510.8	4379.7	3510.2	2751.7	2190.6	1793.1	1516.9	1294.8	1097.5	936.7	800.8
52.5°	5421.6	4341.7	3508.7	2770.7	2244.6	1866.2	1576.8	1335.7	1119.4	942.6	795.0
55°	5312.0	4335.9	3546.7	2852.6	2363.0	1990.4	1671.8	1405.8	1164.7	964.5	799.4
57.5°	5319.4	4451.3	3694.3	3054.2	2576.4	2158.4	1793.1	1492.0	1208.5	977.7	792.1
60°	5550.2	4720.2	3985.1	3399.1	2855.5	2355.7	1917.3	1538.8	1205.6	948.4	757.0
62.5°	6026.7	5123.5	4420.6	3803.9	3139.0	2507.7	1962.6	1525.7	1161.8	885.6	700.0
65°	6595.1	5595.5	4844.4	4118.1	3311.4	2542.8	1923.2	1452.6	1074.1	803.7	631.3
67.5°	7163.6	5930.2	5088.5	4207.3	3241.3	2401.0	1777.0	1288.9	925.0	692.7	553.9
70°	7368.2	5998.9	5069.5	4007.1	2922.7	2048.8	1462.8	1037.6	742.4	567.0	466.2
72.5°	7061.3	5569.2	4506.8	3405.0	2376.2	1588.5	1072.6	765.8	567.0	444.3	380.0
75°	5922.9	4484.9	3562.8	2564.7	1715.6	1123.8	774.5	558.2	426.7	352.2	304.0
77.5°	4221.9	3122.9	2427.3	1684.9	1113.6	778.9	555.3	419.4	339.0	282.0	247.0
80°	2652.4	1917.3	1478.9	1011.3	694.1	529.0	399.0	331.7	273.3	229.4	206.1
82.5°	1597.3	1116.5	871.0	628.4	455.9	362.4	293.7	260.1	217.7	190.0	176.8
85°	1084.3	821.3	571.4	371.2	274.7	213.4	200.2	179.7	162.2	135.9	131.5
87.5°	207.5	293.7	255.7	152.0	100.8	86.2	76.0	73.1	65.8	52.6	59.9
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: P159029

CATALOG NUMBER: VTS-E08-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9
2.5°	2417.1	2414.2	2408.3	2408.3	2403.9	2395.2	2393.7	2387.9	2380.6	2382.0	2380.6
5°	2425.9	2420.0	2412.7	2409.8	2403.9	2395.2	2390.8	2383.5	2376.2	2376.2	2376.2
7.5°	2436.1	2428.8	2422.9	2412.7	2401.0	2392.2	2380.6	2371.8	2367.4	2365.9	2367.4
10°	2444.9	2440.5	2431.7	2417.1	2401.0	2383.5	2371.8	2360.1	2348.4	2349.9	2351.3
12.5°	2463.9	2449.2	2425.9	2403.9	2379.1	2357.2	2336.7	2322.1	2307.5	2307.5	2308.9
15°	2450.7	2408.3	2376.2	2333.8	2306.0	2271.0	2247.6	2234.4	2225.7	2222.7	2224.2
17.5°	2373.2	2322.1	2273.9	2235.9	2197.9	2170.1	2159.9	2151.1	2139.4	2145.3	2139.4
20°	2256.3	2193.5	2124.8	2079.5	2034.2	2015.2	1997.7	1988.9	1981.6	2007.9	2007.9
22.5°	2088.3	2012.3	1942.1	1886.6	1835.5	1815.0	1797.5	1787.2	1791.6	1823.8	1826.7
25°	1876.4	1784.3	1692.3	1658.6	1607.5	1591.4	1581.2	1579.7	1584.1	1616.3	1623.6
27.5°	1651.3	1554.9	1476.0	1398.5	1375.1	1362.0	1343.0	1364.9	1369.3	1404.4	1419.0
30°	1411.7	1307.9	1224.6	1173.5	1123.8	1131.1	1115.0	1141.3	1153.0	1189.5	1201.2
32.5°	1166.2	1068.3	985.0	933.8	898.7	903.1	891.4	914.8	926.5	970.3	992.3
35°	964.5	881.2	814.0	770.1	754.1	738.0	735.1	738.0	749.7	783.3	822.7
37.5°	849.1	780.4	732.1	700.0	678.1	667.8	662.0	662.0	662.0	669.3	688.3
40°	799.4	738.0	695.6	664.9	650.3	644.5	640.1	635.7	628.4	625.5	626.9
42.5°	777.4	707.3	662.0	638.6	629.8	629.8	629.8	626.9	619.6	612.3	605.0
45°	755.5	679.5	634.2	618.2	613.8	615.2	615.2	615.2	609.4	600.6	587.5
47.5°	727.8	648.8	603.5	593.3	593.3	597.7	599.2	599.2	593.3	584.5	574.3
50°	694.1	609.4	568.5	559.7	555.3	555.3	555.3	555.3	550.9	545.1	537.8
52.5°	676.6	587.5	545.1	536.3	536.3	531.9	530.5	526.1	521.7	517.3	507.1
55°	670.8	578.7	534.9	527.6	527.6	523.2	518.8	514.4	507.1	499.8	489.6
57.5°	654.7	559.7	521.7	515.9	515.9	512.9	508.6	504.2	496.9	486.6	473.5
60°	618.2	527.6	495.4	493.9	493.9	492.5	489.6	489.6	482.2	472.0	455.9
62.5°	571.4	493.9	463.3	463.3	461.8	460.3	454.5	453.0	444.3	431.1	416.5
65°	526.1	464.7	444.3	438.4	435.5	431.1	428.2	420.9	413.6	401.9	387.3
67.5°	469.1	420.9	407.7	401.9	396.0	391.6	387.3	382.9	374.1	365.3	353.6
70°	407.7	372.6	365.3	363.9	356.6	352.2	350.7	346.3	337.6	328.8	314.2
72.5°	349.3	328.8	323.0	323.0	314.2	308.3	305.4	304.0	298.1	290.8	277.7
75°	282.0	267.4	266.0	273.3	273.3	268.9	266.0	268.9	260.1	255.7	242.6
77.5°	230.9	223.6	219.2	222.1	230.9	226.5	220.7	220.7	220.7	213.4	209.0
80°	195.8	190.0	185.6	188.5	187.1	185.6	182.7	176.8	176.8	176.8	175.4
82.5°	176.8	175.4	159.3	159.3	153.4	149.1	146.1	143.2	140.3	140.3	147.6
85°	133.0	137.4	128.6	127.1	119.8	114.0	108.1	105.2	102.3	106.7	121.3
87.5°	64.3	64.3	61.4	68.7	62.8	59.9	55.5	52.6	55.5	68.7	81.8
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: P159029

CATALOG NUMBER: VTS-E08-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9
2.5°	2377.6	2376.2	2374.7	2371.8	2365.9	2364.5	2361.6	2361.6	2360.1	2357.2	2360.1
5°	2373.2	2376.2	2376.2	2374.7	2370.3	2373.2	2373.2	2377.6	2377.6	2380.6	2387.9
7.5°	2367.4	2374.7	2380.6	2384.9	2390.8	2395.2	2403.9	2417.1	2422.9	2433.2	2437.5
10°	2355.7	2368.9	2379.1	2392.2	2406.9	2422.9	2436.1	2456.5	2463.9	2478.5	2485.8
12.5°	2322.1	2344.0	2361.6	2387.9	2412.7	2437.5	2460.9	2487.2	2500.4	2516.5	2526.7
15°	2240.3	2265.1	2290.0	2313.3	2357.2	2405.4	2443.4	2478.5	2497.5	2517.9	2528.2
17.5°	2142.4	2158.4	2178.9	2209.6	2252.0	2294.3	2355.7	2405.4	2434.6	2458.0	2460.9
20°	2028.4	2051.8	2066.4	2078.1	2111.7	2140.9	2206.7	2263.6	2301.6	2329.4	2336.7
22.5°	1854.5	1879.3	1904.2	1912.9	1939.2	1977.2	2013.8	2075.1	2129.2	2170.1	2195.0
25°	1655.7	1679.1	1712.7	1739.0	1744.9	1775.6	1812.1	1882.2	1937.8	2003.5	2032.8
27.5°	1457.0	1477.4	1514.0	1528.6	1546.1	1576.8	1606.0	1664.5	1722.9	1798.9	1831.1
30°	1224.6	1268.5	1310.8	1338.6	1353.2	1389.8	1410.2	1467.2	1521.3	1576.8	1623.6
32.5°	1025.9	1065.3	1113.6	1148.6	1166.2	1193.9	1226.1	1274.3	1316.7	1370.8	1424.8
35°	843.2	897.3	929.4	960.1	1005.4	1018.6	1050.7	1094.6	1119.4	1177.9	1239.2
37.5°	714.6	746.8	778.9	809.6	847.6	865.1	895.8	932.3	961.6	996.6	1052.2
40°	635.7	653.2	676.6	697.1	724.8	746.8	762.8	793.5	815.4	850.5	890.0
42.5°	599.2	603.5	606.5	621.1	635.7	650.3	667.8	681.0	707.3	733.6	758.4
45°	578.7	569.9	565.5	567.0	572.9	581.6	596.2	610.8	628.4	644.5	659.1
47.5°	561.2	549.5	536.3	529.0	530.5	533.4	545.1	556.8	565.5	578.7	584.5
50°	520.2	510.0	498.3	488.1	489.6	491.0	501.2	510.0	515.9	520.2	527.6
52.5°	493.9	479.3	469.1	458.9	457.4	461.8	470.6	479.3	482.2	485.2	486.6
55°	474.9	460.3	447.2	436.9	432.6	442.8	445.7	457.4	461.8	461.8	463.3
57.5°	460.3	442.8	429.6	419.4	412.1	419.4	426.7	439.9	441.3	438.4	438.4
60°	438.4	425.3	412.1	401.9	394.6	400.4	406.3	420.9	420.9	413.6	412.1
62.5°	400.4	393.1	384.3	380.0	378.5	384.3	388.7	400.4	396.0	387.3	384.3
65°	372.6	366.8	358.0	355.1	353.6	362.4	363.9	371.2	365.3	361.0	359.5
67.5°	339.0	334.7	330.3	328.8	324.4	324.4	327.3	331.7	328.8	328.8	330.3
70°	301.0	295.2	290.8	292.3	289.3	289.3	290.8	293.7	292.3	295.2	298.1
72.5°	266.0	258.7	257.2	257.2	254.3	255.7	255.7	257.2	260.1	261.6	268.9
75°	232.4	225.0	225.0	223.6	223.6	223.6	225.0	228.0	230.9	232.4	235.3
77.5°	201.7	197.3	198.7	197.3	197.3	197.3	197.3	201.7	203.1	204.6	209.0
80°	173.9	173.9	175.4	175.4	173.9	172.4	173.9	176.8	178.3	179.7	181.2
82.5°	157.8	159.3	159.3	159.3	152.0	149.1	153.4	156.4	159.3	160.7	163.7
85°	135.9	130.1	135.9	134.4	124.2	122.8	122.8	124.2	127.1	124.2	124.2
87.5°	87.7	78.9	83.3	83.3	73.1	59.9	76.0	81.8	73.1	77.5	77.5
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: P159029

CATALOG NUMBER: VTS-E08-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9
2.5°	2364.5	2361.6	2363.0	2363.0	2365.9	2361.6	2367.4	2373.2	2374.7	2374.7	2376.2
5°	2395.2	2392.2	2402.5	2398.1	2408.3	2406.9	2414.2	2420.0	2422.9	2422.9	2422.9
7.5°	2443.4	2453.6	2459.5	2475.5	2477.0	2485.8	2493.1	2500.4	2497.5	2498.9	2497.5
10°	2497.5	2510.6	2525.2	2541.3	2542.8	2553.0	2564.7	2572.0	2569.1	2567.6	2563.2
12.5°	2544.2	2553.0	2570.5	2586.6	2595.4	2611.5	2623.1	2629.0	2629.0	2624.6	2620.2
15°	2541.3	2554.5	2573.5	2596.8	2612.9	2636.3	2656.8	2669.9	2671.4	2667.0	2665.5
17.5°	2477.0	2496.0	2513.5	2545.7	2574.9	2607.1	2640.7	2659.7	2677.2	2687.4	2693.3
20°	2361.6	2384.9	2409.8	2452.2	2491.6	2534.0	2573.5	2601.2	2627.5	2658.2	2694.7
22.5°	2225.7	2260.7	2295.8	2349.9	2398.1	2446.3	2491.6	2525.2	2566.1	2618.8	2687.4
25°	2066.4	2102.9	2146.7	2209.6	2271.0	2341.1	2408.3	2475.5	2554.5	2645.1	2751.7
27.5°	1877.8	1918.8	1975.8	2051.8	2121.9	2193.5	2298.7	2405.4	2534.0	2650.9	2772.2
30°	1690.8	1743.4	1804.8	1880.8	1950.9	2053.2	2158.4	2290.0	2425.9	2557.4	2702.1
32.5°	1489.1	1554.9	1630.9	1693.7	1772.6	1876.4	1981.6	2121.9	2266.6	2421.5	2580.8
35°	1294.8	1357.6	1417.5	1487.7	1566.6	1664.5	1766.8	1901.2	2083.9	2249.0	2439.0
37.5°	1097.5	1155.9	1198.3	1253.8	1322.5	1430.7	1540.3	1695.2	1867.6	2070.7	2260.7
40°	925.0	973.3	1021.5	1065.3	1123.8	1226.1	1343.0	1495.0	1664.5	1861.8	2073.7
42.5°	787.7	824.2	876.8	929.4	979.1	1066.8	1176.4	1325.5	1493.5	1695.2	1907.1
45°	672.2	697.1	739.4	783.3	844.7	917.7	1023.0	1174.9	1345.9	1549.0	1772.6
47.5°	588.9	600.6	629.8	675.1	732.1	803.7	894.4	1031.7	1198.3	1402.9	1638.2
50°	531.9	545.1	559.7	597.7	648.8	721.9	796.4	916.3	1068.3	1268.5	1502.3
52.5°	492.5	498.3	504.2	527.6	574.3	635.7	714.6	805.2	958.7	1150.1	1360.5
55°	469.1	470.6	474.9	486.6	521.7	578.7	647.4	733.6	853.4	1034.6	1249.5
57.5°	441.3	444.3	448.6	455.9	477.9	529.0	587.5	657.6	757.0	909.0	1115.0
60°	415.0	422.3	429.6	434.0	445.7	476.4	526.1	581.6	662.0	776.0	939.7
62.5°	387.3	396.0	401.9	406.3	410.6	429.6	466.2	502.7	552.4	626.9	749.7
65°	362.4	368.3	372.6	375.6	378.5	384.3	400.4	415.0	429.6	474.9	564.1
67.5°	334.7	337.6	339.0	340.5	339.0	339.0	340.5	346.3	352.2	369.7	412.1
70°	302.5	306.9	306.9	308.3	308.3	304.0	304.0	304.0	304.0	308.3	331.7
72.5°	271.8	277.7	277.7	279.1	277.7	276.2	276.2	276.2	280.6	283.5	292.3
75°	242.6	248.4	247.0	248.4	249.9	249.9	252.8	254.3	258.7	260.1	266.0
77.5°	213.4	217.7	219.2	217.7	220.7	223.6	229.4	232.4	233.8	235.3	236.7
80°	185.6	188.5	187.1	182.7	190.0	194.4	203.1	213.4	210.4	211.9	214.8
82.5°	153.4	149.1	146.1	149.1	153.4	159.3	168.1	181.2	182.7	190.0	188.5
85°	118.4	105.2	103.8	111.1	109.6	116.9	131.5	141.8	150.5	157.8	150.5
87.5°	70.1	62.8	52.6	49.7	54.1	71.6	74.5	90.6	97.9	100.8	90.6
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: P159029

CATALOG NUMBER: VTS-E08-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9
2.5°	2509.2	2516.5	2516.5	2519.4	2523.8	2525.2	2531.1	2541.3	2542.8	2542.8	2547.2
5°	2555.9	2563.2	2563.2	2569.1	2570.5	2577.8	2585.1	2596.8	2602.7	2601.2	2620.2
7.5°	2631.9	2626.1	2621.7	2630.4	2634.8	2643.6	2658.2	2668.4	2678.7	2694.7	2721.1
10°	2696.2	2687.4	2683.1	2688.9	2691.8	2702.1	2710.8	2725.4	2750.3	2775.1	2807.3
12.5°	2748.8	2738.6	2726.9	2729.8	2734.2	2747.4	2762.0	2781.0	2817.5	2849.7	2897.9
15°	2792.7	2778.0	2766.4	2772.2	2782.4	2800.0	2824.8	2858.4	2918.3	2973.9	3038.2
17.5°	2835.0	2832.1	2827.7	2846.7	2854.0	2895.0	2931.5	2992.9	3074.7	3158.0	3250.1
20°	2876.0	2908.1	2924.2	2962.2	2985.6	3041.1	3096.6	3171.2	3274.9	3388.9	3514.6
22.5°	2933.0	3020.6	3074.7	3152.2	3191.6	3251.5	3333.4	3431.3	3546.7	3692.9	3853.6
25°	3068.9	3197.5	3305.6	3426.9	3526.3	3618.3	3716.2	3834.6	4001.2	4134.2	4344.6
27.5°	3128.8	3310.0	3472.2	3643.2	3792.2	3934.0	4088.9	4232.1	4429.4	4609.1	4863.4
30°	3071.8	3276.4	3486.8	3710.4	3928.1	4143.0	4368.0	4587.2	4815.2	5066.5	5336.9
32.5°	2966.6	3196.0	3432.7	3695.8	3966.1	4245.3	4537.5	4856.1	5177.6	5490.3	5766.5
35°	2859.9	3106.9	3369.9	3670.9	3989.5	4335.9	4698.3	5101.6	5526.9	5922.9	6283.9
37.5°	2705.0	2976.8	3277.8	3625.6	4004.1	4430.8	4897.0	5393.9	5931.7	6476.7	6950.2
40°	2517.9	2805.8	3134.6	3535.0	3989.5	4528.8	5135.2	5772.4	6463.6	7128.5	7710.1
42.5°	2346.9	2627.5	2978.3	3413.7	3951.5	4615.0	5361.7	6155.3	6973.6	7717.4	8477.4
45°	2196.4	2506.2	2858.4	3329.0	3932.5	4688.0	5529.8	6441.7	7378.4	8264.0	9161.3
47.5°	2059.1	2380.6	2775.1	3282.2	3923.8	4731.9	5646.7	6628.7	7666.3	8683.4	9725.4
50°	1917.3	2230.0	2652.4	3231.1	3901.8	4730.4	5708.1	6755.9	7868.0	9009.3	10114.1
52.5°	1765.3	2079.5	2503.3	3137.5	3855.1	4704.1	5724.1	6842.1	8027.3	9209.5	10444.3
55°	1626.5	1920.2	2344.0	2981.2	3757.2	4639.8	5687.6	6878.6	8139.8	9408.2	10676.7
57.5°	1467.2	1772.6	2176.0	2766.4	3573.0	4525.8	5583.9	6827.5	8171.9	9541.2	10860.8
60°	1248.0	1547.6	1962.6	2512.1	3285.1	4284.7	5391.0	6672.6	8069.6	9564.6	10992.4
62.5°	996.6	1255.3	1655.7	2161.4	2880.3	3906.2	5034.4	6324.8	7751.1	9345.4	10925.1
65°	740.9	913.4	1258.2	1702.5	2411.2	3336.3	4460.1	5741.7	7128.5	8736.0	10502.8
67.5°	515.9	640.1	852.0	1182.2	1753.6	2576.4	3640.2	4831.3	6165.5	7607.8	9626.0
70°	390.2	447.2	562.6	746.8	1135.5	1755.1	2646.5	3707.5	4945.2	6335.0	8236.2
72.5°	333.2	362.4	426.7	511.5	695.6	1066.8	1661.6	2551.5	3649.0	4780.1	6318.9
75°	299.6	324.4	365.3	419.4	492.5	647.4	974.7	1614.8	2417.1	3201.8	4408.9
77.5°	271.8	293.7	330.3	358.0	397.5	466.2	621.1	966.0	1448.2	1978.7	2735.7
80°	242.6	255.7	289.3	317.1	347.8	387.3	445.7	606.5	831.5	1172.0	1613.3
82.5°	207.5	217.7	242.6	280.6	304.0	320.0	337.6	401.9	498.3	635.7	895.8
85°	160.7	168.1	190.0	217.7	228.0	229.4	232.4	249.9	309.8	476.4	771.6
87.5°	81.8	90.6	114.0	122.8	103.8	112.5	114.0	121.3	160.7	261.6	266.0
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: P159029  
 CATALOG NUMBER: VTS-E08-LED-E1-SLR-7030

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	0°
2.5°	2547.2	2551.5	2561.8	2560.3	2567.6	2567.6	2567.6	2574.9	2570.5	2574.9	2582.2	2.5°
5°	2620.2	2627.5	2642.1	2642.1	2643.6	2639.2	2648.0	2653.8	2646.5	2643.6	2645.1	5°
7.5°	2726.9	2738.6	2750.3	2762.0	2770.7	2766.4	2767.8	2754.7	2751.7	2741.5	2728.4	7.5°
10°	2830.7	2862.8	2884.7	2905.2	2906.6	2902.3	2903.7	2881.8	2877.4	2857.0	2843.8	10°
12.5°	2937.3	2978.3	3013.3	3035.2	3048.4	3051.3	3052.8	3052.8	3032.3	3014.8	2984.1	12.5°
15°	3095.2	3166.8	3220.8	3244.2	3263.2	3280.8	3285.1	3291.0	3274.9	3251.5	3247.1	15°
17.5°	3345.1	3412.3	3483.9	3546.7	3589.1	3592.0	3628.6	3625.6	3659.2	3632.9	3625.6	17.5°
20°	3641.7	3787.8	3862.4	3945.7	3993.9	4017.3	4102.0	4075.7	4100.6	4143.0	4100.6	20°
22.5°	4012.9	4198.5	4306.6	4420.6	4499.5	4556.5	4617.9	4666.1	4733.3	4765.5	4736.3	22.5°
25°	4505.4	4717.3	4845.9	5003.7	5129.4	5231.7	5338.4	5466.9	5465.5	5542.9	5597.0	25°
27.5°	5070.9	5341.3	5528.3	5806.0	5914.1	6086.6	6269.2	6468.0	6503.1	6603.9	6655.0	27.5°
30°	5602.9	5937.5	6308.7	6639.0	7013.1	7268.8	7480.7	7621.0	7832.9	7780.3	7751.1	30°
32.5°	6093.9	6539.6	7068.6	7610.8	8204.1	8608.9	8983.0	9156.9	9288.4	9009.3	8639.6	32.5°
35°	6731.0	7264.4	7869.4	8538.7	9292.8	9867.1	10252.9	10307.0	10232.4	9874.4	9262.1	35°
37.5°	7520.2	8079.9	8768.2	9475.5	10276.3	10815.5	11255.4	11334.3	11137.0	10498.4	9855.4	37.5°
40°	8299.1	8955.2	9702.0	10539.3	11369.4	11962.7	12404.0	12427.4	12105.9	11359.2	10606.6	40°
42.5°	9151.0	9868.6	10700.1	11628.0	12485.9	13086.5	13405.1	13505.9	13051.4	12094.2	11372.3	42.5°
45°	9886.1	10743.9	11670.4	12656.8	13554.1	14124.0	14448.5	14416.3	13866.9	12921.3	12075.2	45°
47.5°	10602.2	11546.2	12522.4	13570.2	14461.6	15037.4	15370.6	15341.4	14644.3	13555.6	12624.7	47.5°
50°	11239.3	12263.7	13307.1	14426.6	15315.1	15842.6	16250.3	16121.7	15240.5	14065.6	12978.3	50°
52.5°	11682.1	12824.9	13915.1	15125.1	16039.9	16539.7	17058.5	16644.9	15592.7	14378.3	13168.3	52.5°
55°	11962.7	13210.7	14347.6	15686.2	16585.0	17182.7	17517.3	16929.9	15728.6	14464.5	13234.1	55°
57.5°	12152.7	13422.6	14601.9	16010.7	17076.0	17577.2	17659.1	16940.1	15640.9	14328.6	13168.3	57.5°
60°	12246.2	13485.4	14717.4	16238.6	17420.9	17695.6	17546.6	16703.4	15338.4	13929.7	12744.5	60°
62.5°	12236.0	13406.5	14657.4	16314.6	17489.6	17524.6	17185.6	16300.0	14781.7	13092.3	12040.1	62.5°
65°	11975.8	13118.6	14319.9	16032.6	17169.5	17019.0	16592.3	15543.0	13698.8	11999.2	11467.3	65°
67.5°	11226.2	12322.2	13437.2	15109.0	16267.9	16121.7	15475.8	14055.4	12440.6	11031.8	10745.4	67.5°
70°	9972.3	10901.7	11880.9	13349.5	14565.4	14368.1	13238.5	12374.8	11194.0	9913.9	9814.5	70°
72.5°	8337.1	9041.4	9751.7	10844.8	11682.1	11278.8	10568.6	10523.3	9569.0	8591.3	8611.8	72.5°
75°	6520.6	7049.6	7381.3	8024.3	8581.1	8220.2	8262.5	8513.9	8199.7	7429.6	7179.7	75°
77.5°	4724.6	5231.7	5336.9	5718.3	6109.9	6520.6	7064.2	7656.1	7755.4	7322.9	6416.8	77.5°
80°	3092.2	3650.5	3443.0	3578.9	4129.8	4879.5	5871.7	6846.5	7181.1	6792.4	5677.4	80°
82.5°	1823.8	2605.6	2275.3	2507.7	2857.0	3510.2	4195.6	4930.6	5490.3	5076.8	4742.1	82.5°
85°	1385.4	2054.7	2176.0	2458.0	2572.0	2599.8	2719.6	2959.3	3248.6	3356.7	3348.0	85°
87.5°	721.9	1597.3	1793.1	1658.6	1547.6	1341.5	1046.3	1126.7	1030.3	1408.8	1334.2	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: P159029

NUMBER: VTS-E08-LED-E1-SLR-7030

**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
2441.9	2441.9	2441.9	2441.9	2441.9	2441.9	2441.9
2583.7	2579.3	2582.2	2583.7	2583.7	2583.7	2586.6
2643.6	2631.9	2627.5	2627.5	2626.1	2621.7	2620.2
2707.9	2687.4	2680.1	2671.4	2664.1	2659.7	2652.4
2823.3	2805.8	2769.3	2748.8	2729.8	2716.7	2705.0
2978.3	2953.4	2918.3	2892.0	2862.8	2854.0	2839.4
3217.9	3196.0	3165.3	3136.1	3118.5	3087.9	3065.9
3592.0	3548.2	3517.5	3479.5	3437.1	3374.3	3343.6
4084.5	3996.8	3935.4	3901.8	3817.1	3806.8	3732.3
4650.0	4623.7	4530.2	4489.3	4407.5	4375.3	4258.4
5496.2	5475.7	5284.3	5263.8	5138.1	5044.6	4863.4
6608.3	6440.2	6223.9	6073.4	5858.6	5617.5	5309.1
7580.1	7236.7	6906.4	6555.7	6259.0	5912.7	5563.4
8199.7	7739.4	7314.1	6954.6	6587.8	6175.7	5727.1
8743.3	8278.6	7815.4	7390.1	6945.8	6418.3	5864.4
9393.6	8931.8	8410.1	7812.4	7242.5	6596.6	5920.0
10060.0	9519.3	8867.5	8135.4	7419.3	6684.3	5909.7
10742.5	10051.2	9184.7	8350.2	7531.9	6697.4	5841.1
11296.3	10422.4	9419.9	8459.8	7555.2	6652.1	5754.8
11688.0	10660.6	9525.1	8497.8	7526.0	6580.5	5637.9
11911.5	10790.7	9551.5	8470.0	7466.1	6478.2	5510.8
11993.4	10830.1	9525.1	8413.1	7412.0	6368.6	5421.6
11984.6	10808.2	9428.7	8280.1	7267.3	6222.5	5312.0
11819.5	10605.1	9231.4	8120.8	7144.6	6155.3	5319.4
11538.9	10476.5	9173.0	8152.9	7208.9	6299.9	5550.2
11411.8	10733.7	9501.8	8474.4	7539.2	6713.5	6026.7
11340.2	11151.6	9972.3	8820.8	7930.8	7214.7	6595.1
11047.9	11271.5	10239.8	9018.1	8280.1	7717.4	7163.6
10575.9	10992.4	10036.6	8980.1	8473.0	8103.2	7368.2
9590.9	10030.8	9132.0	8420.4	8231.8	8109.1	7061.3
7770.1	7998.0	7486.6	7325.8	7395.9	7397.4	5922.9
5730.0	5592.6	5361.7	5373.4	5845.4	5772.4	4221.9
4677.8	3828.8	3501.4	3625.6	4208.7	3894.5	2652.4
4353.4	3415.2	2819.0	2848.2	3178.5	2509.2	1597.3
3520.4	3112.7	2496.0	2240.3	2174.5	1671.8	1084.3
1473.1	1354.7	1008.3	909.0	745.3	455.9	207.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)