

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: INVUE

Report Number: P153378

Luminaire Tested: **VWM-E05-LED-E1-SLR-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P153378  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VWM-E05-LED-E1-SLR-8030  
Description: VISION WALL MEDIUM LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (105) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11741.8 lumens  
Efficiency: N/A  
Efficacy: 92.2 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): 127.3  
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

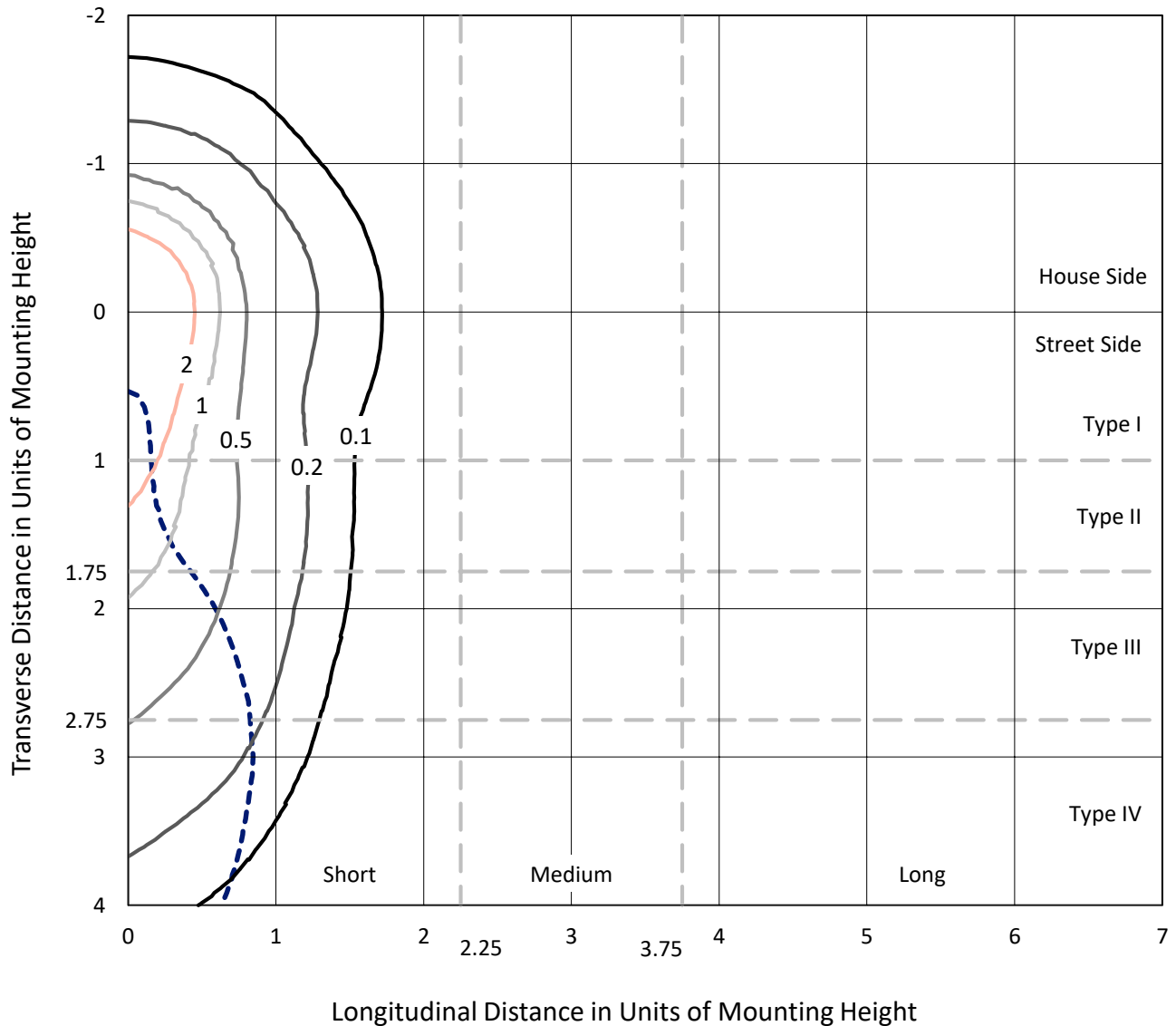


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### Iso-Footcandle Lines of Horizontal Illumination

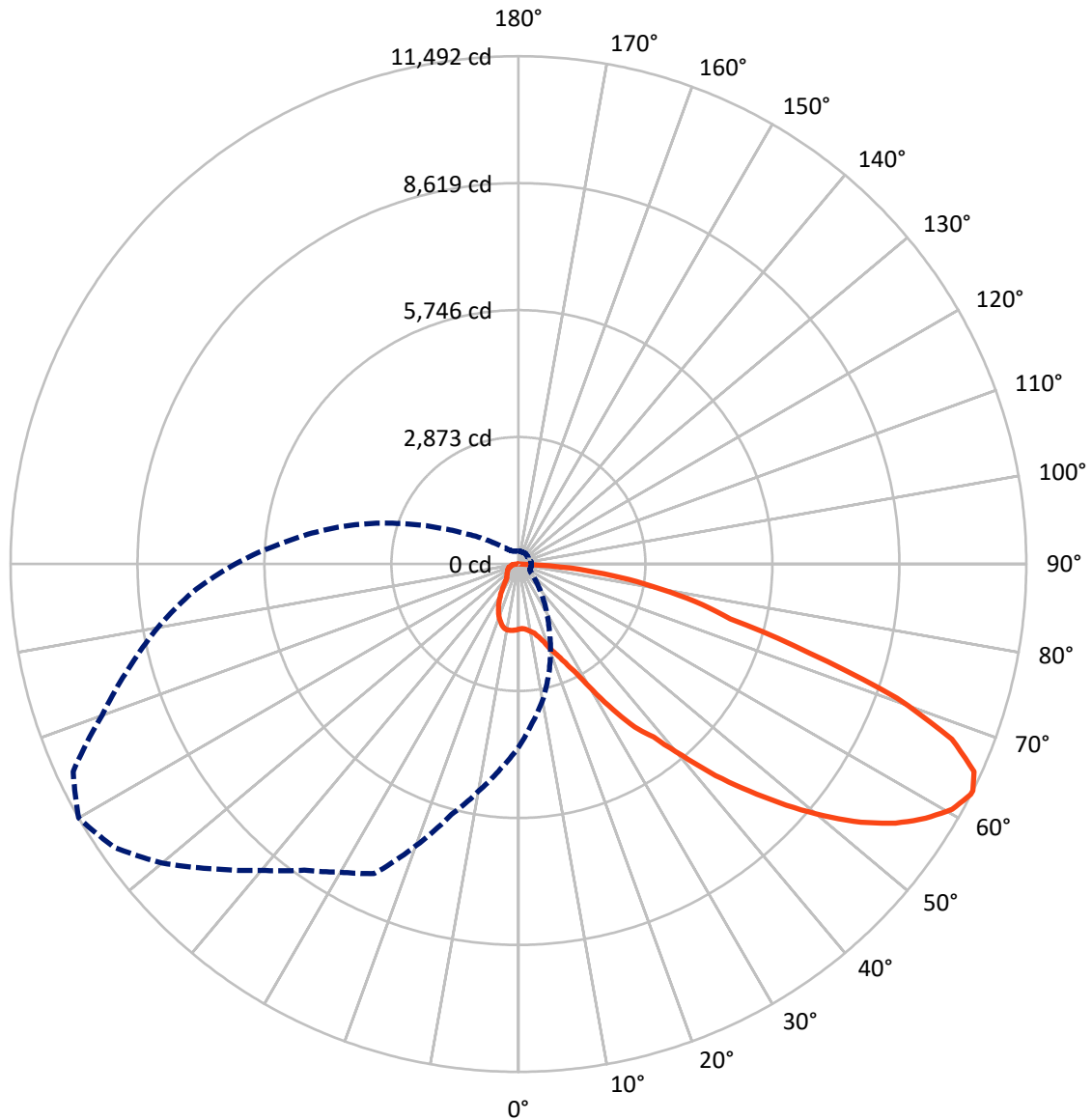
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 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	2546.2	0.0	2546.2
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	9195.7	0.0	9195.7
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	11741.8	0.0	11741.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.6	1.2
10°-20°	447.4	3.8
20°-30°	794.8	6.8
30°-40°	1251.5	10.7
40°-50°	1841.9	15.7
50°-60°	2446.5	20.8
60°-70°	2694.8	23.0
70°-80°	1690.7	14.4
80°-90°	430.6	3.7
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°	11741.8	100.0
0°-180°	11741.8	100.0

**Coefficient of Utilization**



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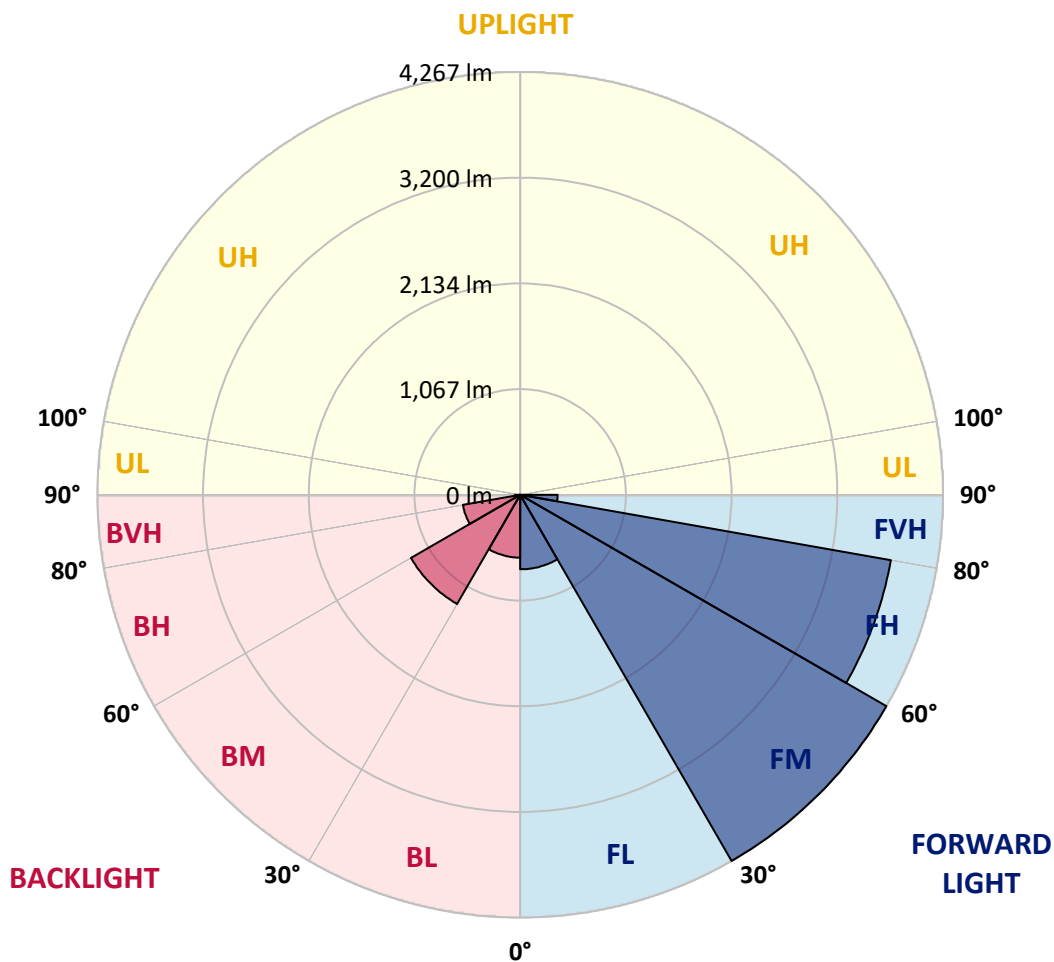
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	751.8	6.4			
FM (30°-60°)	4267.3	36.3			
FH (60°-80°)	3798.7	32.4			G2/5000
FVH (80°-90°)	377.9	3.2			G3/500
BL (0°-30°)	633.9	5.4	B2/1000		
BM (30°-60°)	1272.6	10.8	B2/2500		
BH (60°-80°)	586.9	5.0	B2/1000		G2/1000
BVH (80°-90°)	52.7	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°	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6
2.5°	1455.9	1460.1	1458.7	1458.7	1461.5	1460.1	1460.1	1461.5	1461.5	1465.7	1471.4
5°	1444.6	1443.2	1440.4	1443.2	1443.2	1443.2	1437.6	1441.8	1443.2	1446.0	1446.0
7.5°	1458.7	1454.5	1448.9	1450.3	1450.3	1447.4	1443.2	1444.6	1443.2	1443.2	1441.8
10°	1477.0	1467.1	1460.1	1460.1	1460.1	1457.3	1450.3	1454.5	1454.5	1453.1	1454.5
12.5°	1509.3	1498.1	1489.6	1486.8	1486.8	1482.6	1477.0	1482.6	1479.8	1479.8	1477.0
15°	1562.8	1550.1	1540.3	1531.8	1533.3	1533.3	1526.2	1522.0	1516.4	1509.3	1495.3
17.5°	1643.0	1628.9	1616.2	1609.2	1610.6	1600.8	1581.1	1561.4	1534.7	1507.9	1478.4
20°	1756.9	1752.7	1735.8	1728.8	1711.9	1688.0	1633.1	1586.7	1534.7	1484.0	1433.4
22.5°	1953.8	1934.1	1917.3	1890.5	1834.3	1768.2	1676.7	1595.1	1513.6	1441.8	1374.3
25°	2218.3	2183.1	2100.1	2018.5	1903.2	1785.0	1661.3	1555.8	1454.5	1360.2	1277.2
27.5°	2478.5	2371.6	2223.9	2076.2	1907.4	1752.7	1598.0	1472.8	1354.6	1251.9	1160.5
30°	2793.6	2613.6	2387.1	2153.6	1914.5	1706.3	1520.6	1374.3	1237.9	1129.5	1033.9
32.5°	3089.0	2828.8	2532.0	2225.3	1929.9	1662.7	1432.0	1266.0	1125.3	988.9	894.6
35°	3291.6	2954.0	2593.9	2232.4	1891.9	1579.7	1320.8	1125.3	984.7	858.1	746.9
37.5°	3412.5	3008.8	2596.7	2181.7	1803.3	1467.1	1180.2	986.1	856.7	735.7	648.5
40°	3488.5	3021.5	2560.1	2108.6	1690.8	1325.1	1039.5	865.1	746.9	649.9	582.4
42.5°	3525.1	3001.8	2501.0	2015.7	1576.9	1198.5	941.0	776.5	673.8	604.9	554.2
45°	3530.7	2966.6	2437.7	1931.3	1475.6	1107.0	873.5	739.9	655.5	597.8	547.2
47.5°	3530.7	2935.7	2387.1	1869.4	1409.5	1067.6	867.9	755.4	672.4	607.7	547.2
50°	3533.5	2925.8	2366.0	1838.5	1387.0	1088.7	915.7	803.2	709.0	624.6	545.8
52.5°	3546.2	2938.5	2382.9	1862.4	1427.8	1173.1	1005.8	874.9	756.8	644.2	545.8
55°	3574.3	2980.7	2454.6	1945.4	1537.5	1301.2	1114.1	952.3	794.8	652.7	537.3
57.5°	3653.1	3087.6	2585.4	2105.8	1724.6	1448.9	1212.5	1007.2	808.8	645.7	520.5
60°	3810.6	3300.0	2809.1	2330.8	1922.9	1575.4	1270.2	1015.6	796.2	623.1	493.7
62.5°	4062.4	3543.4	3080.6	2575.6	2098.7	1645.8	1277.2	994.5	762.4	582.4	454.3
63°	4149.6	3603.8	3138.2	2622.0	2121.2	1651.4	1271.6	986.1	754.0	571.1	448.7
65°	4393.0	3858.4	3338.0	2785.2	2184.5	1652.8	1240.7	943.9	714.6	527.5	409.3
67.5°	4847.3	4193.2	3589.8	2913.2	2207.0	1607.8	1161.9	865.1	631.6	460.0	360.1
70°	5134.3	4380.3	3686.8	2916.0	2140.9	1479.8	1025.4	737.1	526.1	381.2	309.5
72.5°	5059.7	4196.0	3430.8	2652.9	1855.4	1236.4	824.3	579.5	410.7	305.2	257.4
75°	4333.9	3492.7	2799.2	2055.1	1402.4	908.7	603.5	413.6	303.8	239.1	215.2
77.5°	3120.0	2513.7	2007.3	1464.3	945.3	588.0	400.9	295.4	230.7	196.9	177.2
80°	1987.6	1474.2	1228.0	880.6	552.8	364.3	275.7	223.7	189.9	164.6	151.9
82.5°	1038.1	727.2	590.8	450.1	306.7	240.5	202.6	182.9	156.1	136.4	129.4
85°	647.1	429.0	317.9	222.3	153.3	137.9	126.6	123.8	111.1	98.5	94.2
87.5°	73.1	66.1	68.9	43.6	32.4	35.2	33.8	45.0	43.6	32.4	33.8
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°	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6
2.5°	1465.7	1468.5	1468.5	1472.8	1472.8	1475.6	1478.4	1478.4	1481.2	1482.6	1485.4
5°	1448.9	1448.9	1448.9	1454.5	1455.9	1464.3	1467.1	1470.0	1472.8	1482.6	1488.2
7.5°	1444.6	1439.0	1441.8	1441.8	1446.0	1453.1	1460.1	1464.3	1468.5	1481.2	1489.6
10°	1453.1	1448.9	1444.6	1444.6	1446.0	1448.9	1454.5	1458.7	1461.5	1474.2	1481.2
12.5°	1475.6	1465.7	1457.3	1450.3	1444.6	1443.2	1440.4	1441.8	1444.6	1451.7	1461.5
15°	1479.8	1461.5	1443.2	1424.9	1410.9	1402.4	1395.4	1392.6	1392.6	1396.8	1408.1
17.5°	1451.7	1420.7	1394.0	1370.1	1354.6	1339.1	1332.1	1326.5	1323.7	1329.3	1330.7
20°	1391.2	1354.6	1318.0	1289.9	1261.8	1257.5	1246.3	1249.1	1251.9	1260.4	1264.6
22.5°	1308.2	1264.6	1219.6	1190.0	1167.5	1147.8	1135.2	1140.8	1145.0	1153.5	1157.7
25°	1206.9	1143.6	1095.8	1066.2	1042.3	1025.4	1011.4	1017.0	1011.4	1021.2	1036.7
27.5°	1087.3	1012.8	962.1	928.4	911.5	897.4	883.4	883.4	897.4	897.4	910.1
30°	942.5	887.6	821.5	786.3	765.2	756.8	755.4	752.6	762.4	768.0	782.1
32.5°	806.0	738.5	675.2	641.4	623.1	613.3	614.7	616.1	620.3	628.8	651.3
35°	668.2	609.1	564.1	526.1	507.8	489.5	489.5	486.7	490.9	500.8	527.5
37.5°	579.5	527.5	492.3	462.8	444.5	433.2	423.4	419.2	419.2	423.4	433.2
40°	530.3	492.3	460.0	434.7	417.8	407.9	402.3	398.1	395.3	395.3	396.7
42.5°	507.8	468.4	436.1	413.6	400.9	395.3	393.9	392.5	388.2	386.8	385.4
45°	496.5	451.5	415.0	396.7	386.8	384.0	385.4	385.4	384.0	381.2	375.6
47.5°	488.1	436.1	399.5	382.6	378.4	378.4	378.4	378.4	377.0	375.6	371.4
50°	474.0	412.1	372.8	360.1	357.3	357.3	358.7	358.7	361.5	358.7	355.9
52.5°	458.6	389.6	350.3	339.0	337.6	336.2	336.2	336.2	337.6	337.6	336.2
55°	441.7	372.8	339.0	330.6	332.0	330.6	329.2	327.7	327.7	326.3	323.5
57.5°	424.8	358.7	330.6	324.9	326.3	326.3	323.5	320.7	319.3	315.1	312.3
60°	399.5	339.0	313.7	310.9	315.1	315.1	315.1	313.7	313.7	312.3	305.2
62.5°	365.7	310.9	291.2	292.6	294.0	296.8	296.8	296.8	296.8	294.0	287.0
63°	358.7	305.2	287.0	287.0	291.2	291.2	292.6	291.2	292.6	289.8	281.3
65°	330.6	287.0	272.9	274.3	277.1	277.1	277.1	275.7	275.7	271.5	267.3
67.5°	298.2	264.5	256.0	257.4	258.8	261.6	260.2	260.2	261.6	258.8	254.6
70°	261.6	240.5	234.9	236.3	237.7	237.7	236.3	236.3	237.7	234.9	230.7
72.5°	233.5	225.1	220.8	220.8	218.0	218.0	215.2	213.8	212.4	212.4	208.2
75°	196.9	195.5	196.9	199.7	196.9	194.1	192.7	188.5	185.7	185.7	184.3
77.5°	168.8	168.8	171.6	175.8	177.2	177.2	173.0	166.0	164.6	164.6	164.6
80°	146.3	143.5	143.5	147.7	151.9	150.5	143.5	136.4	136.4	143.5	144.9
82.5°	128.0	128.0	123.8	125.2	123.8	122.4	115.3	111.1	109.7	115.3	121.0
85°	101.3	102.7	101.3	99.9	98.5	94.2	88.6	84.4	83.0	88.6	97.1
87.5°	40.8	39.4	38.0	39.4	38.0	40.8	39.4	36.6	35.2	39.4	47.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6
2.5°	1486.8	1489.6	1492.5	1492.5	1495.3	1493.9	1495.3	1496.7	1496.7	1498.1	1498.1
5°	1495.3	1499.5	1505.1	1510.7	1512.2	1516.4	1520.6	1517.8	1522.0	1527.6	1527.6
7.5°	1498.1	1507.9	1512.2	1520.6	1522.0	1527.6	1537.5	1530.4	1538.9	1543.1	1544.5
10°	1493.9	1503.7	1510.7	1520.6	1524.8	1534.7	1544.5	1541.7	1551.5	1558.6	1560.0
12.5°	1468.5	1478.4	1493.9	1507.9	1519.2	1534.7	1552.9	1547.3	1561.4	1569.8	1574.0
15°	1419.3	1429.2	1446.0	1468.5	1489.6	1513.6	1537.5	1541.7	1555.8	1565.6	1569.8
17.5°	1341.9	1354.6	1372.9	1396.8	1423.5	1464.3	1495.3	1510.7	1530.4	1536.1	1543.1
20°	1270.2	1282.9	1294.1	1308.2	1327.9	1367.3	1408.1	1439.0	1464.3	1485.4	1491.1
22.5°	1174.6	1185.8	1199.9	1211.1	1225.2	1253.3	1287.1	1322.3	1361.6	1374.3	1388.4
25°	1059.2	1066.2	1085.9	1093.0	1102.8	1126.7	1153.5	1178.8	1216.8	1243.5	1250.5
27.5°	935.4	942.5	960.7	965.0	977.6	1000.1	1019.8	1029.7	1064.8	1093.0	1115.5
30°	791.9	810.2	832.7	835.6	849.6	863.7	882.0	891.8	924.2	953.7	981.8
32.5°	668.2	686.4	704.7	716.0	723.0	734.3	752.6	762.4	793.4	820.1	848.2
35°	541.6	564.1	583.8	599.2	604.9	618.9	633.0	642.8	675.2	699.1	718.8
37.5°	445.9	462.8	483.9	499.4	514.8	524.7	541.6	555.6	575.3	588.0	609.1
40°	399.5	407.9	419.2	431.8	444.5	455.8	468.4	479.7	492.3	509.2	523.3
42.5°	384.0	385.4	385.4	389.6	396.7	402.3	413.6	422.0	430.4	443.1	450.1
45°	372.8	371.4	368.5	365.7	367.1	369.9	377.0	382.6	392.5	398.1	399.5
47.5°	367.1	361.5	355.9	351.7	350.3	351.7	357.3	362.9	368.5	372.8	374.2
50°	348.8	344.6	336.2	330.6	327.7	330.6	337.6	340.4	346.0	350.3	351.7
52.5°	330.6	324.9	319.3	313.7	313.7	315.1	320.7	326.3	332.0	333.4	336.2
55°	319.3	310.9	305.2	301.0	298.2	302.4	306.7	313.7	320.7	322.1	324.9
57.5°	308.1	299.6	294.0	289.8	287.0	291.2	295.4	305.2	313.7	313.7	313.7
60°	301.0	294.0	285.6	281.3	277.1	281.3	287.0	296.8	305.2	303.8	302.4
62.5°	281.3	274.3	270.1	270.1	265.9	272.9	278.5	289.8	291.2	288.4	285.6
63°	275.7	270.1	267.3	267.3	264.5	271.5	277.1	287.0	287.0	284.1	281.3
65°	261.6	257.4	254.6	257.4	257.4	264.5	265.9	272.9	271.5	267.3	265.9
67.5°	250.4	247.6	244.8	244.8	244.8	246.2	247.6	250.4	249.0	247.6	249.0
70°	232.1	230.7	227.9	227.9	226.5	226.5	226.5	227.9	227.9	229.3	230.7
72.5°	209.6	206.8	206.8	208.2	205.4	206.8	208.2	206.8	209.6	209.6	211.0
75°	184.3	182.9	185.7	188.5	187.1	187.1	188.5	188.5	189.9	189.9	191.3
77.5°	164.6	166.0	167.4	170.2	171.6	171.6	171.6	170.2	171.6	171.6	173.0
80°	146.3	149.1	151.9	154.7	156.1	156.1	156.1	154.7	154.7	154.7	154.7
82.5°	132.2	136.4	139.3	140.7	140.7	140.7	140.7	140.7	140.7	137.9	135.0
85°	111.1	119.6	119.6	121.0	116.8	113.9	111.1	112.5	113.9	108.3	106.9
87.5°	56.3	56.3	59.1	61.9	63.3	63.3	71.7	67.5	66.1	64.7	61.9
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: P153378

CATALOG NUMBER: VWM-E05-LED-E1-SLR-8030

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6
2.5°	1499.5	1498.1	1500.9	1498.1	1499.5	1500.9	1498.1	1502.3	1505.1	1500.9	1496.7
5°	1530.4	1530.4	1537.5	1540.3	1541.7	1550.1	1545.9	1548.7	1551.5	1550.1	1551.5
7.5°	1550.1	1555.8	1562.8	1569.8	1571.2	1578.3	1576.9	1581.1	1583.9	1590.9	1590.9
10°	1567.0	1574.0	1583.9	1590.9	1598.0	1603.6	1606.4	1614.8	1616.2	1621.9	1621.9
12.5°	1582.5	1590.9	1600.8	1612.0	1619.1	1630.3	1631.7	1644.4	1648.6	1650.0	1645.8
15°	1579.7	1589.5	1600.8	1613.4	1626.1	1640.2	1648.6	1661.3	1668.3	1671.1	1664.1
17.5°	1552.9	1561.4	1575.4	1592.3	1607.8	1626.1	1641.6	1659.8	1671.1	1673.9	1672.5
20°	1500.9	1506.5	1524.8	1547.3	1565.6	1593.7	1616.2	1644.4	1662.7	1676.7	1680.9
22.5°	1398.2	1412.3	1430.6	1455.9	1482.6	1517.8	1550.1	1590.9	1630.3	1664.1	1697.8
25°	1274.4	1299.7	1327.9	1361.6	1394.0	1430.6	1467.1	1513.6	1571.2	1641.6	1721.7
27.5°	1149.2	1192.8	1228.0	1271.6	1309.6	1346.2	1387.0	1437.6	1500.9	1585.3	1688.0
30°	1022.6	1071.9	1109.8	1160.5	1211.1	1260.4	1301.2	1354.6	1416.5	1502.3	1614.8
32.5°	887.6	936.8	981.8	1028.3	1084.5	1143.6	1192.8	1259.0	1325.1	1413.7	1527.6
35°	748.3	791.9	829.9	879.2	941.0	1004.3	1069.1	1145.0	1216.8	1309.6	1430.6
37.5°	627.4	658.3	694.9	738.5	786.3	853.8	927.0	1017.0	1098.6	1199.9	1323.7
40°	527.5	544.4	565.5	602.0	645.7	711.8	783.5	879.2	977.6	1088.7	1208.3
42.5°	450.1	458.6	464.2	488.1	523.3	588.0	656.9	749.7	858.1	979.0	1100.0
45°	399.5	403.7	405.1	417.8	443.1	499.4	571.1	649.9	754.0	872.1	998.7
47.5°	375.6	379.8	382.6	385.4	400.9	444.5	509.2	583.8	679.4	787.7	917.1
50°	355.9	360.1	364.3	362.9	369.9	398.1	452.9	521.9	611.9	711.8	839.8
52.5°	336.2	339.0	339.0	339.0	343.2	361.5	400.9	464.2	547.2	641.4	768.0
55°	324.9	327.7	329.2	330.6	332.0	341.8	371.4	422.0	493.7	580.9	694.9
57.5°	313.7	315.1	317.9	319.3	322.1	327.7	346.0	382.6	443.1	516.2	611.9
60°	303.8	306.7	312.3	313.7	316.5	317.9	326.3	348.8	388.2	444.5	521.9
62.5°	288.4	292.6	298.2	299.6	302.4	303.8	305.2	317.9	336.2	369.9	427.6
63°	284.1	288.4	295.4	296.8	298.2	298.2	299.6	308.1	324.9	354.5	396.7
65°	268.7	274.3	278.5	279.9	281.3	281.3	279.9	282.7	284.1	296.8	322.1
67.5°	251.8	256.0	258.8	260.2	258.8	260.2	258.8	256.0	253.2	256.0	267.3
70°	234.9	237.7	237.7	239.1	240.5	241.9	239.1	236.3	233.5	232.1	239.1
72.5°	215.2	218.0	218.0	219.4	219.4	222.3	222.3	220.8	220.8	222.3	223.7
75°	195.5	198.3	196.9	199.7	199.7	204.0	204.0	205.4	208.2	206.8	205.4
77.5°	177.2	178.6	178.6	180.1	181.5	188.5	192.7	194.1	194.1	191.3	188.5
80°	157.5	157.5	154.7	153.3	154.7	161.8	170.2	171.6	175.8	174.4	175.8
82.5°	132.2	126.6	122.4	122.4	125.2	129.4	132.2	135.0	137.9	137.9	140.7
85°	101.3	95.7	91.4	92.8	97.1	98.5	97.1	97.1	102.7	106.9	102.7
87.5°	60.5	54.9	52.0	47.8	49.2	53.5	52.0	47.8	49.2	39.4	36.6
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: P153378

CATALOG NUMBER: VWM-E05-LED-E1-SLR-8030

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6
2.5°	1499.5	1498.1	1495.3	1491.1	1489.6	1486.8	1488.2	1484.0	1481.2	1478.4	1474.2
5°	1551.5	1551.5	1543.1	1543.1	1538.9	1537.5	1527.6	1523.4	1515.0	1517.8	1507.9
7.5°	1588.1	1592.3	1582.5	1581.1	1575.4	1574.0	1561.4	1557.2	1550.1	1547.3	1538.9
10°	1614.8	1614.8	1602.2	1592.3	1585.3	1578.3	1565.6	1560.0	1554.3	1555.8	1550.1
12.5°	1635.9	1626.1	1607.8	1593.7	1583.9	1576.9	1567.0	1562.8	1561.4	1571.2	1572.6
15°	1652.8	1638.7	1616.2	1606.4	1598.0	1596.5	1596.5	1600.8	1610.6	1628.9	1643.0
17.5°	1662.7	1654.2	1643.0	1640.2	1654.2	1662.7	1673.9	1686.6	1700.6	1726.0	1741.4
20°	1680.9	1686.6	1695.0	1706.3	1728.8	1749.9	1763.9	1782.2	1799.1	1830.1	1855.4
22.5°	1728.8	1761.1	1787.9	1810.4	1844.1	1873.7	1891.9	1917.3	1929.9	1951.0	1990.4
25°	1790.7	1856.8	1913.0	1960.9	2012.9	2043.9	2069.2	2101.5	2121.2	2156.4	2191.6
27.5°	1772.4	1866.6	1951.0	2039.6	2111.4	2191.6	2247.8	2301.3	2335.0	2387.1	2433.5
30°	1716.1	1828.6	1942.6	2059.3	2173.3	2288.6	2395.5	2492.6	2567.1	2641.7	2717.7
32.5°	1640.2	1769.6	1908.8	2052.3	2201.4	2361.8	2509.5	2655.8	2779.5	2887.9	2993.4
35°	1552.9	1699.2	1844.1	2021.4	2205.6	2409.6	2615.0	2817.5	3006.0	3197.3	3326.7
37.5°	1448.9	1598.0	1759.7	1963.7	2180.3	2432.1	2693.7	2958.2	3225.5	3482.9	3706.5
40°	1337.7	1489.6	1659.8	1880.7	2125.5	2418.0	2744.4	3100.3	3467.4	3840.2	4137.0
42.5°	1239.3	1395.4	1581.1	1804.7	2070.6	2399.7	2785.2	3222.6	3671.4	4132.7	4568.8
45°	1143.6	1315.2	1510.7	1751.3	2046.7	2413.8	2845.7	3336.6	3854.2	4414.1	4945.8
47.5°	1057.8	1232.2	1422.1	1685.2	2011.5	2420.8	2904.7	3450.5	4027.2	4633.5	5265.1
50°	980.4	1149.2	1336.3	1600.8	1956.7	2416.6	2958.2	3553.2	4176.3	4806.5	5511.3
52.5°	904.5	1076.1	1267.4	1519.2	1889.1	2392.7	2983.5	3637.6	4314.2	4981.0	5709.6
55°	829.9	998.7	1191.4	1441.8	1800.5	2330.8	2980.7	3692.5	4423.9	5145.5	5900.9
57.5°	742.7	903.1	1091.6	1356.0	1706.3	2235.2	2938.5	3717.8	4518.2	5308.7	6130.2
60°	634.4	784.9	966.4	1230.8	1582.5	2112.8	2849.9	3703.7	4573.0	5429.7	6325.7
62.5°	500.8	631.6	797.6	1056.4	1427.8	1937.0	2683.9	3575.7	4485.8	5412.8	6417.1
63°	472.6	596.4	758.2	1014.2	1361.6	1889.1	2634.7	3525.1	4443.6	5377.6	6404.5
65°	379.8	460.0	589.4	818.7	1139.4	1654.2	2389.9	3264.8	4217.1	5130.1	6221.6
67.5°	291.2	332.0	400.9	561.3	806.0	1301.2	1935.6	2766.9	3660.1	4518.2	5632.2
70°	249.0	267.3	296.8	372.8	512.0	821.5	1358.8	2063.6	2837.2	3581.3	4582.9
72.5°	226.5	234.9	250.4	282.7	351.7	492.3	866.5	1343.4	1929.9	2553.1	3326.7
75°	208.2	215.2	227.9	244.8	270.1	327.7	493.7	821.5	1254.7	1676.7	2245.0
77.5°	189.9	194.1	208.2	223.7	240.5	270.1	326.3	472.6	721.6	988.9	1353.2
80°	174.4	171.6	181.5	206.8	223.7	240.5	257.4	306.7	410.7	541.6	731.5
82.5°	139.3	142.1	150.5	175.8	182.9	178.6	181.5	189.9	229.3	250.4	374.2
85°	94.2	87.2	85.8	88.6	88.6	84.4	84.4	83.0	91.4	104.1	178.6
87.5°	25.3	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P153378  
 CATALOG NUMBER: VWM-E05-LED-E1-SLR-8030

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	0°
2.5°	1471.4	1470.0	1471.4	1464.3	1464.3	1462.9	1461.5	1458.7	1458.7	1453.1	1457.3	2.5°
5°	1499.5	1496.7	1491.1	1482.6	1478.4	1472.8	1472.8	1467.1	1462.9	1457.3	1458.7	5°
7.5°	1531.8	1533.3	1523.4	1516.4	1513.6	1507.9	1509.3	1500.9	1502.3	1498.1	1495.3	7.5°
10°	1550.1	1550.1	1552.9	1551.5	1554.3	1554.3	1558.6	1552.9	1550.1	1545.9	1545.9	10°
12.5°	1579.7	1585.3	1596.5	1596.5	1605.0	1607.8	1609.2	1612.0	1606.4	1603.6	1593.7	12.5°
15°	1652.8	1666.9	1676.7	1690.8	1707.7	1713.3	1713.3	1707.7	1704.9	1700.6	1682.4	15°
17.5°	1773.8	1804.7	1813.2	1835.7	1838.5	1845.5	1865.2	1854.0	1846.9	1817.4	1811.8	17.5°
20°	1897.6	1937.0	1976.3	2004.5	2018.5	2046.7	2050.9	2045.3	2017.1	1989.0	1976.3	20°
22.5°	2046.7	2105.8	2150.8	2194.4	2215.5	2229.5	2260.5	2253.5	2230.9	2188.7	2171.9	22.5°
25°	2257.7	2330.8	2378.6	2432.1	2460.2	2474.3	2505.2	2505.2	2481.3	2468.7	2467.3	25°
27.5°	2523.5	2613.6	2692.3	2710.6	2783.8	2800.6	2830.2	2830.2	2807.7	2792.2	2866.8	27.5°
30°	2818.9	2913.2	3049.6	3141.1	3229.7	3316.9	3315.5	3321.1	3347.8	3361.9	3394.3	30°
32.5°	3114.3	3231.1	3376.0	3574.3	3764.2	3926.0	4135.6	4269.2	4228.4	4114.5	4069.4	32.5°
35°	3473.0	3602.4	3778.3	3978.0	4325.5	4535.0	4636.3	4708.1	4716.5	4732.0	4764.3	35°
37.5°	3872.5	4089.1	4293.1	4519.6	4712.3	4966.9	5201.8	5390.3	5433.9	5522.5	5471.9	37.5°
40°	4377.5	4619.4	4833.3	5125.8	5384.7	5691.3	6027.5	6286.3	6390.4	6356.7	6103.5	40°
42.5°	4906.4	5206.0	5456.4	5801.0	6137.2	6542.3	6889.8	7251.3	7316.0	7055.8	6677.4	42.5°
45°	5393.1	5764.5	6075.3	6434.0	6844.8	7330.1	7794.3	8165.6	8153.0	7707.0	7200.6	45°
47.5°	5830.6	6286.3	6666.1	7133.1	7574.8	8153.0	8686.1	8960.4	8798.6	8271.1	7650.8	47.5°
50°	6192.1	6760.4	7228.8	7701.4	8262.7	8959.0	9472.4	9627.1	9314.8	8740.9	8088.2	50°
52.5°	6483.3	7196.4	7722.5	8266.9	8975.8	9708.7	10150.4	10092.7	9689.0	9099.6	8449.8	52.5°
55°	6729.4	7529.8	8157.2	8800.0	9679.2	10354.4	10648.4	10493.6	9929.6	9331.7	8697.3	55°
57.5°	6984.0	7853.3	8556.7	9302.2	10281.2	10860.8	11023.9	10706.0	10043.5	9420.3	8804.2	57.5°
60°	7238.6	8123.4	8909.7	9741.1	10737.0	11274.3	11229.3	10753.9	10009.7	9355.6	8732.5	60°
62.5°	7410.2	8283.8	9115.1	10011.1	11078.8	11485.3	11209.6	10583.6	9814.2	9101.0	8518.7	62.5°
63°	7414.5	8289.4	9127.8	10029.4	11116.8	11492.3	11171.6	10523.2	9752.3	9049.0	8455.4	63°
65°	7325.8	8183.9	9015.2	9946.4	11084.4	11330.6	10843.9	10165.9	9399.2	8688.9	8126.2	65°
67.5°	6872.9	7747.8	8482.1	9359.9	10504.9	10575.2	9966.1	9418.9	8729.7	7994.0	7406.0	67.5°
70°	5960.0	6687.2	7407.4	8140.3	9101.0	9088.4	8515.9	8237.4	7633.9	6795.5	6324.3	70°
72.5°	4740.4	5393.1	5899.5	6390.4	7023.4	6895.4	6526.9	6604.2	6213.2	5587.2	5307.3	72.5°
75°	3519.4	4236.8	4484.4	4684.1	4951.4	4952.8	5054.1	5273.5	5267.9	4920.5	4567.4	75°
77.5°	2308.3	3093.2	3176.2	3336.6	3657.3	4093.4	4543.5	5027.4	5148.3	4874.0	4352.2	77.5°
80°	1287.1	2102.9	2007.3	2145.1	2491.2	3083.4	3747.3	4281.8	4596.9	4443.6	3890.8	80°
82.5°	658.3	1212.5	1159.1	1350.4	1630.3	2145.1	2584.0	2994.8	3366.1	3345.0	3135.4	82.5°
85°	341.8	663.9	755.4	855.2	995.9	1180.2	1346.2	1465.7	1620.5	1893.4	1986.2	85°
87.5°	0.0	0.0	0.0	0.0	0.0	1.4	0.0	101.3	73.1	201.2	287.0	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°



IUMBER: P153378

NUMBER: VWM-E05-LED-E1-SLR-8030

**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
1475.6	1475.6	1475.6	1475.6	1475.6	1475.6	1475.6
1458.7	1460.1	1457.3	1457.3	1458.7	1458.7	1455.9
1455.9	1455.9	1453.1	1450.3	1447.4	1447.4	1444.6
1488.2	1488.2	1478.4	1474.2	1467.1	1461.5	1458.7
1536.1	1527.6	1516.4	1507.9	1496.7	1484.0	1477.0
1583.9	1571.2	1557.2	1544.5	1530.4	1516.4	1509.3
1662.7	1645.8	1627.5	1612.0	1592.3	1571.2	1562.8
1783.6	1756.9	1733.0	1710.5	1675.3	1659.8	1643.0
1944.0	1904.6	1873.7	1835.7	1792.1	1778.0	1756.9
2138.1	2104.4	2042.5	2014.3	1970.7	1949.6	1953.8
2433.5	2389.9	2318.2	2291.4	2287.2	2240.8	2218.3
2818.9	2821.7	2755.6	2683.9	2644.5	2571.4	2478.5
3367.5	3329.5	3252.2	3179.0	3086.2	2948.3	2793.6
4031.5	3947.1	3819.1	3682.6	3518.0	3305.6	3089.0
4679.9	4532.2	4328.3	4100.4	3862.7	3598.2	3291.6
5249.6	5020.3	4715.1	4453.5	4117.3	3786.7	3412.5
5770.1	5485.9	5092.1	4753.1	4356.4	3931.6	3488.5
6273.7	5913.6	5431.1	4972.5	4523.8	4028.7	3525.1
6753.3	6289.1	5716.6	5170.9	4646.2	4091.9	3530.7
7121.9	6615.5	5972.6	5314.3	4730.6	4139.8	3530.7
7463.7	6891.2	6168.2	5426.9	4809.3	4172.1	3533.5
7729.6	7085.3	6294.8	5507.0	4871.2	4196.0	3546.2
7922.3	7211.9	6379.2	5556.3	4916.2	4229.8	3574.3
8057.3	7294.9	6425.6	5599.9	4971.1	4288.9	3653.1
8122.0	7448.2	6503.0	5687.1	5065.4	4414.1	3810.6
8072.8	7685.9	6723.8	5834.8	5196.2	4609.6	4062.4
8051.7	7729.6	6784.3	5867.1	5225.7	4651.8	4149.6
7887.1	7773.2	7033.3	6030.3	5366.4	4838.9	4393.0
7376.5	7601.5	7242.8	6306.0	5668.8	5293.2	4847.3
6715.4	7346.9	7204.9	6341.2	5861.5	5666.0	5134.3
5923.4	6577.5	6445.3	5872.8	5649.1	5670.2	5059.7
4661.6	5152.6	5065.4	4864.2	4909.2	5063.9	4333.9
3734.7	3668.5	3467.4	3481.5	3741.7	3923.2	3120.0
3051.0	2470.1	2208.4	2215.5	2669.8	2858.3	1987.6
2903.3	2336.4	1903.2	1662.7	1942.6	1870.8	1038.1
2067.8	2072.0	1718.9	1396.8	1353.2	1150.6	647.1
489.5	392.5	279.9	208.2	219.4	144.9	73.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)