

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: P152784

Luminaire Tested: **VWM-F02-LED-E1-SLL-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P152784  
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-F02-LED-E1-SLL-7030  
Description: VISION WALL MEDIUM LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (14) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4195.9 lumens  
Efficiency: N/A  
Efficacy: 76.3 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G2

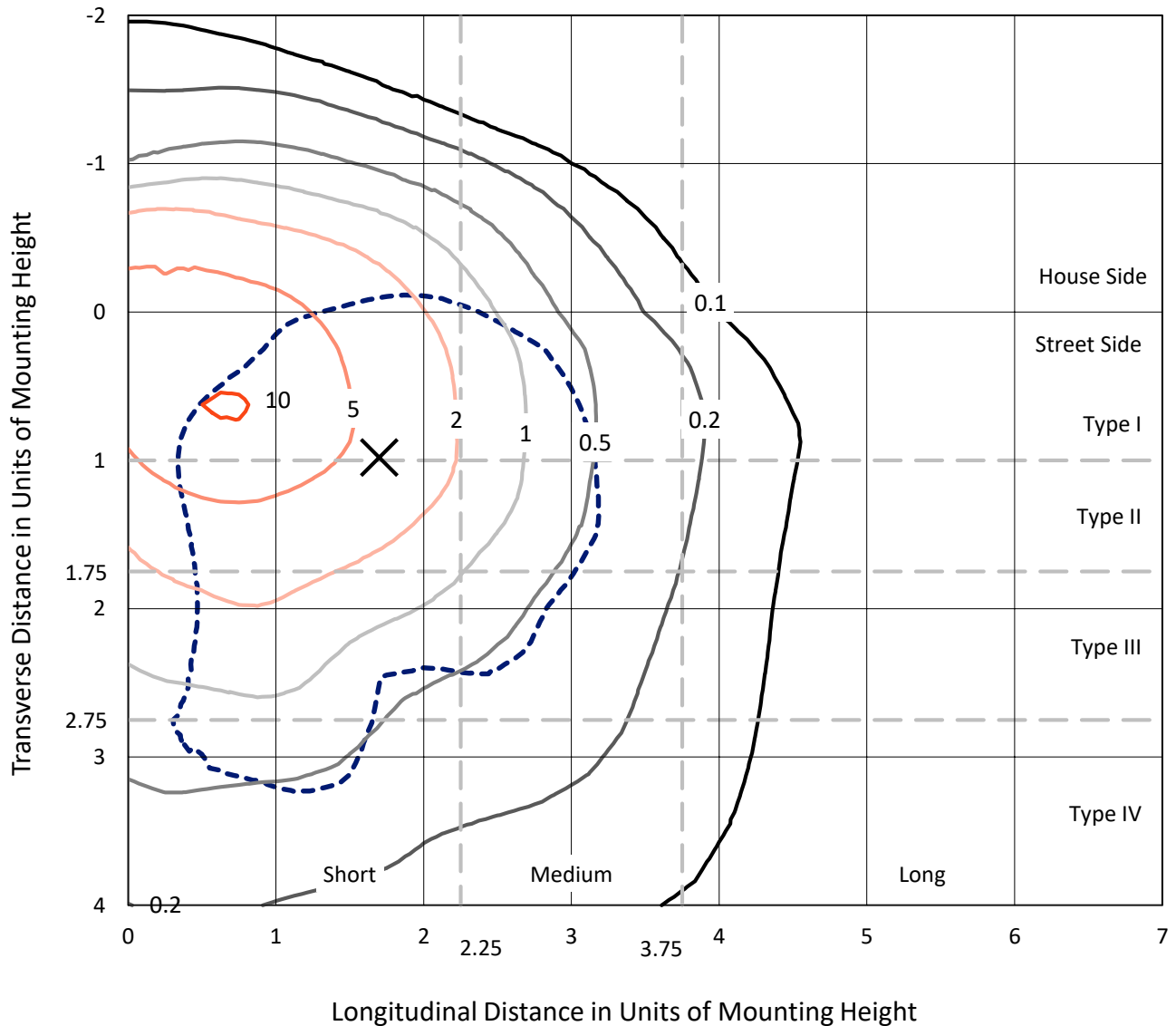
Input Watts (W): 55  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

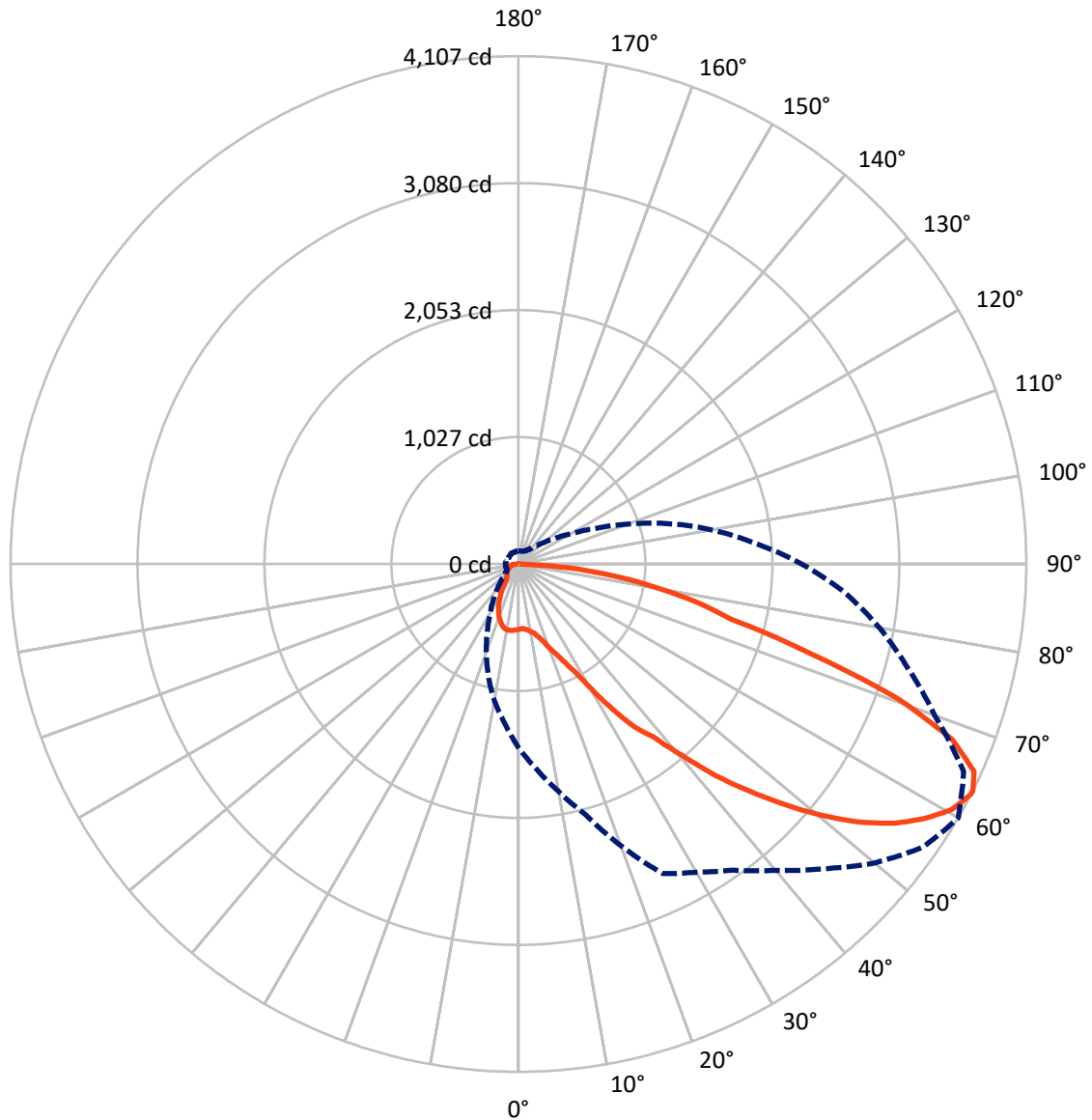
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	909.9	0.0	909.9
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	3286.0	0.0	3286.0
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	4195.9	0.0	4195.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.3	1.2
10°-20°	159.9	3.8
20°-30°	284.0	6.8
30°-40°	447.2	10.7
40°-50°	658.2	15.7
50°-60°	874.3	20.8
60°-70°	963.0	23.0
70°-80°	604.2	14.4
80°-90°	153.9	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°	4195.9	100.0
0°-180°	4195.9	100.0



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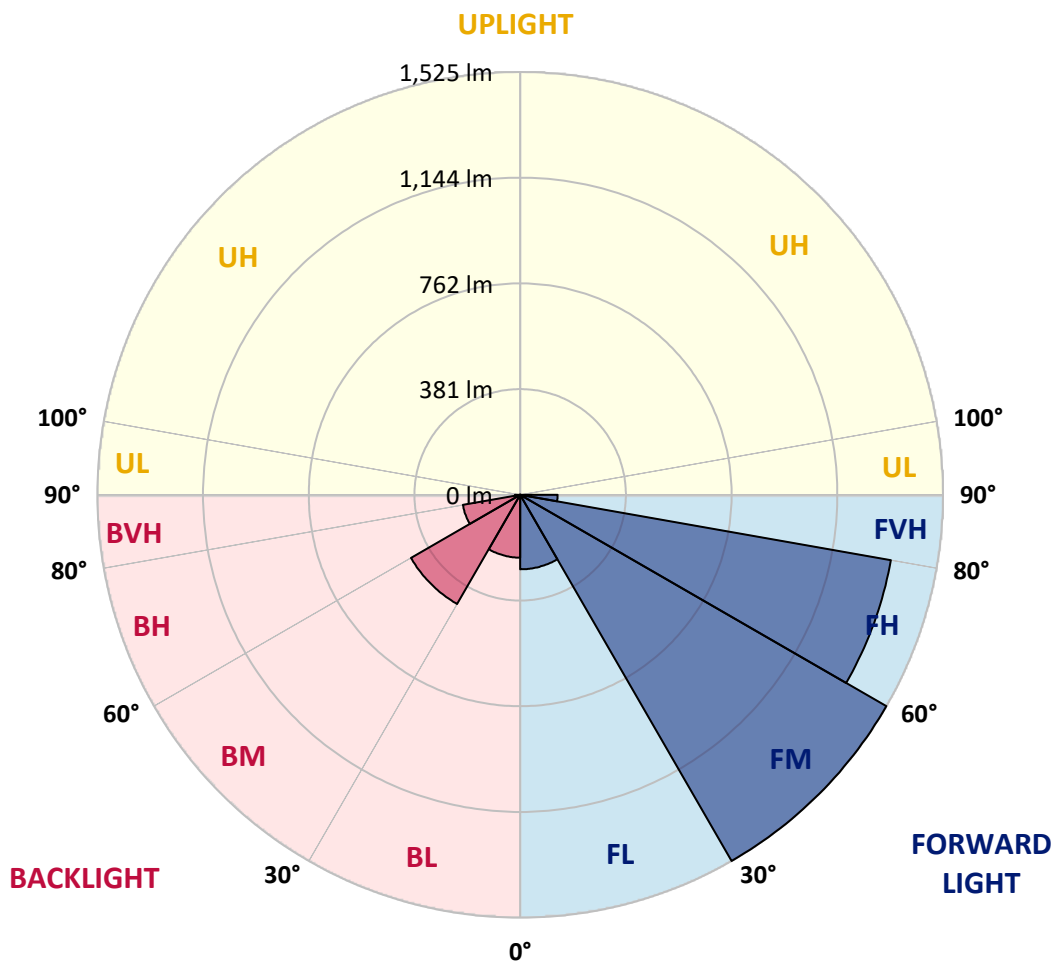
CATALOG NUMBER: VWM-F02-LED-E1-SLL-7030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	268.7	6.4			
FM	(30°-60°)	1524.9	36.3			
FH	(60°-80°)	1357.4	32.4			G1/1800
FVH	(80°-90°)	135.0	3.2			G2/225
BL	(0°-30°)	226.5	5.4	B1/500		
BM	(30°-60°)	454.8	10.8	B1/1000		
BH	(60°-80°)	209.7	5.0	B1/500		G1/500
BVH	(80°-90°)	18.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3
2.5°	520.3	521.3	521.3	520.8	520.8	521.8	521.3	520.8	519.3	521.3	521.3
5°	516.2	517.2	517.2	518.2	519.3	520.3	520.3	521.3	520.8	522.8	524.3
7.5°	521.3	522.3	524.3	526.8	528.3	531.8	531.8	534.3	535.3	536.8	536.3
10°	527.8	530.3	534.8	538.9	541.9	545.9	548.9	552.4	552.4	553.9	554.9
12.5°	539.4	541.9	546.9	551.9	556.4	561.5	566.0	569.5	573.0	574.0	576.1
15°	558.5	561.5	569.0	576.1	581.6	588.1	594.1	601.2	607.7	609.2	610.2
17.5°	587.1	593.1	598.7	611.2	619.3	627.8	637.4	647.4	649.4	660.0	662.5
20°	627.8	635.4	640.4	656.0	669.5	680.6	694.7	706.2	710.8	720.8	730.9
22.5°	698.2	696.7	704.2	719.8	729.9	752.0	764.0	776.1	782.1	797.2	805.3
25°	792.7	800.7	817.3	818.8	828.4	854.0	869.6	881.7	882.2	886.7	895.2
27.5°	885.7	918.9	945.0	959.1	984.7	1008.3	1007.3	1024.4	997.8	1003.3	1011.4
30°	998.3	1053.6	1102.8	1136.0	1162.2	1189.8	1203.4	1212.9	1201.4	1196.3	1186.8
32.5°	1103.8	1181.3	1257.2	1316.0	1364.7	1410.5	1440.6	1454.2	1470.3	1511.0	1525.6
35°	1176.2	1285.8	1380.3	1465.3	1546.7	1619.6	1672.4	1702.5	1691.0	1685.4	1682.4
37.5°	1219.5	1353.2	1471.3	1591.4	1684.9	1794.0	1875.9	1955.4	1973.5	1941.8	1926.2
40°	1246.6	1404.9	1556.7	1698.5	1819.6	1960.4	2061.9	2181.1	2271.5	2283.6	2246.4
42.5°	1259.7	1439.6	1616.6	1776.9	1940.8	2113.2	2241.9	2386.1	2521.4	2614.3	2591.2
45°	1261.7	1462.2	1660.3	1847.8	2042.8	2247.4	2413.3	2573.1	2754.1	2913.4	2918.0
47.5°	1261.7	1479.3	1690.5	1899.1	2134.3	2364.0	2545.0	2734.0	2955.7	3144.2	3202.0
50°	1262.7	1490.9	1718.6	1939.3	2204.2	2462.5	2667.1	2890.3	3123.5	3328.6	3440.2
52.5°	1267.2	1499.4	1740.7	1967.9	2249.4	2531.9	2762.1	3019.5	3251.7	3462.3	3606.6
55°	1277.3	1511.5	1756.8	1985.5	2279.6	2577.1	2831.0	3108.0	3334.7	3548.3	3749.9
57.5°	1305.4	1532.6	1776.4	2001.1	2296.2	2606.8	2879.2	3146.2	3366.3	3589.0	3825.8
60°	1361.7	1577.4	1810.1	2032.3	2323.8	2661.6	2902.4	3120.5	3343.2	3576.9	3842.9
62.5°	1451.7	1647.2	1856.8	2085.0	2402.7	2746.5	2884.8	3044.1	3252.2	3507.1	3782.0
63°	1482.9	1662.3	1867.4	2096.6	2424.3	2762.1	2877.2	3021.5	3233.6	3485.0	3760.4
65°	1569.8	1729.2	1917.7	2154.9	2513.3	2777.7	2818.4	2903.9	3104.9	3358.8	3632.7
67.5°	1732.2	1891.5	2025.7	2253.4	2588.2	2716.4	2636.0	2646.5	2856.6	3119.5	3365.8
70°	1834.7	2024.7	2094.6	2266.0	2574.6	2625.4	2399.7	2260.0	2428.4	2727.9	2943.6
72.5°	1808.1	2026.2	2018.7	2098.6	2303.2	2350.4	2116.7	1896.5	1996.6	2220.3	2360.0
75°	1548.7	1809.6	1754.3	1738.2	1810.1	1841.3	1665.8	1632.1	1758.3	1882.5	1884.5
77.5°	1114.9	1401.9	1337.1	1244.1	1239.1	1310.9	1334.6	1555.2	1741.7	1839.7	1796.5
80°	710.3	1021.4	954.1	791.7	789.2	882.7	1090.3	1390.4	1587.9	1642.7	1530.1
82.5°	371.0	668.5	694.2	594.1	680.1	834.9	1037.5	1120.4	1195.3	1202.9	1070.2
85°	231.2	411.2	483.6	499.1	614.3	740.4	738.9	709.8	676.6	579.1	523.8
87.5°	26.1	51.8	78.4	74.4	100.0	140.2	174.9	102.5	71.9	26.1	36.2
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°	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3
2.5°	522.3	522.8	523.3	523.3	525.8	525.3	525.8	526.8	528.3	529.3	530.3
5°	526.3	526.3	528.3	529.8	532.8	534.8	535.8	538.9	542.4	541.4	544.4
7.5°	539.4	538.9	540.9	541.9	544.4	547.9	547.4	549.9	552.9	553.9	556.4
10°	556.9	555.4	555.4	554.4	554.9	553.9	553.9	553.9	555.9	555.4	557.5
12.5°	575.0	574.5	573.5	570.5	570.5	566.5	564.5	562.0	561.5	558.0	558.5
15°	612.2	612.2	610.2	604.2	599.2	595.7	590.6	587.1	582.1	575.5	572.0
17.5°	666.5	659.5	657.0	656.0	647.9	644.9	633.9	622.3	616.8	607.7	602.7
20°	732.9	731.4	721.3	716.3	706.2	692.2	678.1	663.0	654.0	642.9	636.9
22.5°	807.8	796.7	791.7	784.2	768.6	752.5	731.4	711.3	697.2	689.7	685.1
25°	895.2	884.2	879.2	869.1	850.0	832.9	806.8	783.1	770.6	758.0	751.0
27.5°	1011.4	1000.8	994.8	968.6	962.1	933.9	901.8	869.6	853.0	834.4	822.4
30°	1184.8	1185.3	1154.1	1122.4	1089.8	1041.0	1007.3	971.1	944.0	917.4	890.7
32.5°	1477.8	1402.9	1345.1	1277.3	1206.4	1154.6	1112.9	1069.7	1032.0	993.3	949.0
35°	1656.8	1620.6	1545.7	1421.5	1350.2	1287.3	1241.1	1188.8	1142.6	1074.2	1006.8
37.5°	1858.8	1774.9	1683.9	1615.1	1534.1	1461.2	1383.8	1324.5	1244.6	1152.6	1057.1
40°	2153.9	2033.8	1924.2	1831.7	1727.1	1650.7	1564.3	1478.3	1372.3	1239.1	1107.9
42.5°	2462.0	2337.9	2193.1	2073.0	1949.8	1860.4	1753.3	1632.6	1476.8	1311.9	1151.6
45°	2785.3	2619.4	2446.0	2299.2	2171.0	2059.9	1927.2	1767.4	1577.4	1377.3	1192.3
47.5°	3103.9	2913.4	2706.8	2549.0	2382.1	2246.4	2083.5	1881.5	1655.8	1439.1	1233.0
50°	3384.9	3201.5	2952.6	2752.1	2583.2	2415.8	2212.7	1969.4	1717.6	1492.4	1269.7
52.5°	3627.2	3469.4	3207.5	2954.1	2759.6	2571.6	2316.8	2040.3	1779.9	1541.7	1299.9
55°	3805.2	3700.1	3458.8	3144.7	2914.9	2690.8	2404.7	2108.7	1838.7	1580.9	1319.5
57.5°	3939.4	3881.1	3674.0	3324.1	3057.7	2806.4	2495.7	2190.6	1897.0	1614.6	1328.5
60°	4012.8	4028.8	3836.8	3480.9	3183.9	2902.9	2586.7	2260.5	1940.3	1634.2	1323.5
62.5°	4005.7	4104.2	3959.0	3577.4	3257.3	2960.2	2648.0	2293.1	1934.2	1603.0	1277.8
63°	3992.1	4106.8	3972.5	3584.0	3261.8	2962.2	2649.5	2288.6	1921.7	1587.9	1259.7
65°	3875.0	4048.9	3961.0	3554.3	3221.6	2924.5	2617.9	2223.3	1833.2	1507.0	1166.7
67.5°	3561.4	3779.0	3753.9	3344.7	3031.1	2768.7	2456.0	2012.7	1614.6	1307.9	988.7
70°	3043.1	3247.7	3252.2	2908.9	2647.0	2389.7	2129.8	1637.7	1279.8	1013.9	737.4
72.5°	2332.4	2464.1	2509.8	2283.6	2108.2	1927.2	1694.0	1188.8	912.3	689.7	480.0
75°	1806.1	1769.9	1769.4	1673.9	1602.5	1514.0	1257.7	802.2	599.2	448.4	293.6
77.5°	1623.6	1462.7	1306.9	1192.3	1135.0	1105.4	824.9	483.6	353.4	257.9	168.9
80°	1339.1	1101.8	890.2	766.6	717.3	751.5	459.9	261.4	193.5	146.8	109.6
82.5°	923.4	766.6	582.6	482.6	414.2	433.3	235.2	133.7	89.5	81.9	67.9
85°	481.0	421.7	355.9	305.6	269.9	237.3	122.1	63.8	37.2	32.7	29.7
87.5°	0.0	0.5	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





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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3
2.5°	531.8	531.3	532.3	532.8	534.3	535.3	535.8	534.8	536.3	537.8	536.8
5°	545.9	549.4	549.9	551.4	551.4	554.4	554.4	554.4	553.9	554.4	553.4
7.5°	558.0	562.5	563.0	565.0	565.5	569.0	567.5	568.5	568.5	566.0	565.0
10°	559.5	564.0	566.5	569.0	572.5	577.1	577.1	579.6	579.6	577.6	577.1
12.5°	560.0	563.5	566.0	569.5	574.5	581.1	584.6	588.1	589.6	589.1	587.6
15°	570.5	570.5	571.0	574.0	577.6	585.6	590.6	594.6	597.2	596.2	593.6
17.5°	598.2	594.1	591.1	586.1	587.1	591.1	594.1	597.7	598.2	597.2	593.1
20°	630.3	625.3	617.8	609.7	605.7	602.7	600.7	600.7	599.2	594.1	587.6
22.5°	676.1	669.5	659.0	646.9	638.9	629.3	617.8	606.7	594.6	582.6	568.5
25°	739.4	730.4	719.3	700.7	683.6	663.5	639.9	615.3	586.6	561.5	540.9
27.5°	803.3	783.1	754.5	728.9	697.2	667.0	633.4	603.2	566.5	536.3	513.7
30°	856.0	817.8	776.6	735.9	694.2	653.5	613.2	577.1	536.8	506.2	484.1
32.5°	896.7	844.0	786.7	733.4	682.1	632.3	586.1	545.9	505.2	473.5	449.9
35°	934.4	861.1	788.2	722.3	659.0	607.2	554.9	511.2	468.0	434.8	409.2
37.5°	962.6	869.1	779.1	701.7	628.8	571.0	517.7	473.0	428.8	392.6	363.4
40°	980.7	864.1	759.5	672.1	593.1	532.3	478.0	431.8	389.1	349.4	314.2
42.5°	995.3	857.5	739.9	644.9	565.0	498.6	442.8	393.1	349.9	306.6	267.9
45°	1016.9	862.6	731.4	625.8	539.9	470.0	408.7	356.9	311.7	269.4	232.2
47.5°	1038.0	865.1	718.8	602.2	508.2	440.3	378.0	327.7	281.5	242.8	208.6
50°	1057.1	863.6	699.2	572.0	477.5	410.7	350.4	300.1	254.3	218.7	186.5
52.5°	1066.1	855.0	675.1	542.9	452.9	384.5	323.2	274.5	229.2	195.5	165.9
55°	1065.1	832.9	643.4	515.2	425.8	356.9	296.6	248.3	207.6	176.4	150.8
57.5°	1050.1	798.7	609.7	484.6	390.1	322.7	265.4	218.7	184.5	158.3	136.7
60°	1018.4	755.0	565.5	439.8	345.3	280.5	226.7	186.5	158.8	138.7	124.7
62.5°	959.1	692.2	510.2	377.5	285.0	225.7	178.9	152.8	132.2	120.1	113.6
63°	941.5	675.1	486.6	362.4	270.9	213.1	168.9	141.8	126.7	116.1	110.1
65°	854.0	591.1	407.2	292.5	210.6	164.4	135.7	115.1	106.1	101.5	101.0
67.5°	691.7	465.0	288.0	200.6	143.3	118.6	104.1	95.5	91.5	90.5	91.5
70°	485.6	293.6	183.0	133.2	106.1	95.5	89.0	85.5	82.9	83.4	84.4
72.5°	309.6	175.9	125.7	101.0	89.5	83.9	80.9	79.9	79.4	78.9	78.9
75°	176.4	117.1	96.5	87.5	81.4	76.9	74.4	73.4	73.9	74.4	73.4
77.5°	116.6	96.5	86.0	79.9	74.4	69.4	67.9	67.4	68.4	69.4	69.4
80°	92.0	86.0	79.9	73.9	64.8	61.3	62.3	62.8	62.3	62.8	61.3
82.5°	64.8	63.8	65.3	62.8	53.8	50.8	49.8	50.3	49.3	49.3	48.3
85°	30.2	30.2	31.7	31.7	30.7	31.2	33.7	36.7	38.2	36.7	34.7
87.5°	0.0	0.0	0.0	0.0	0.0	4.5	9.0	13.1	14.1	17.6	17.1
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: P152784

CATALOG NUMBER: VWM-F02-LED-E1-SLL-7030

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3
2.5°	535.3	536.3	535.8	535.3	536.3	535.3	535.8	535.3	535.3	534.8	534.8
5°	552.4	553.9	550.9	550.4	549.4	546.9	546.9	545.9	545.9	543.9	542.4
7.5°	563.5	564.0	561.5	561.0	558.5	555.9	553.9	551.9	551.4	549.9	546.9
10°	574.0	573.0	571.0	568.5	566.0	562.5	560.0	557.5	556.9	554.4	550.9
12.5°	583.1	582.6	578.6	576.1	572.0	568.5	565.5	562.5	561.0	558.0	552.9
15°	589.1	586.1	581.1	576.6	572.0	568.0	564.5	561.0	559.5	555.9	550.9
17.5°	586.6	581.1	574.5	569.0	563.0	558.0	554.9	551.4	548.9	546.9	539.9
20°	577.6	569.5	559.5	552.9	544.9	538.4	536.3	532.8	530.8	523.3	514.2
22.5°	553.9	542.4	529.8	520.3	511.2	504.7	499.6	496.1	491.1	486.6	472.5
25°	524.3	511.2	498.1	486.6	474.5	464.5	455.4	446.9	444.4	434.8	421.2
27.5°	495.6	481.0	468.0	454.4	438.8	426.3	410.7	398.6	390.6	380.5	367.9
30°	465.0	450.4	432.8	414.7	396.6	383.0	365.4	350.9	340.8	330.2	318.7
32.5°	426.3	408.7	387.6	367.4	350.9	334.8	317.2	303.1	293.1	283.5	272.4
35°	382.0	358.9	336.3	314.2	296.6	283.0	267.4	256.9	249.8	241.3	229.7
37.5°	331.3	305.1	281.0	263.9	248.3	235.2	224.2	217.7	210.1	205.6	198.6
40°	280.0	254.3	230.7	215.1	202.1	194.5	188.5	187.0	182.0	175.9	171.4
42.5°	234.7	210.1	187.0	174.4	165.9	163.9	160.9	160.9	158.3	153.8	150.8
45°	204.1	178.4	158.3	149.3	144.8	144.3	142.8	142.8	142.3	140.2	136.7
47.5°	182.0	158.8	143.3	137.7	136.7	135.7	134.2	133.7	133.2	131.7	129.7
50°	161.9	142.3	132.2	129.7	130.2	128.7	127.2	125.7	125.2	123.7	121.6
52.5°	143.3	129.2	122.6	121.1	121.1	121.1	120.1	120.1	119.1	118.6	116.6
55°	132.7	122.1	118.6	118.1	117.6	117.1	116.1	116.1	115.1	114.6	112.1
57.5°	123.7	117.1	115.1	114.1	113.6	112.6	112.1	112.1	112.1	112.1	109.1
60°	116.6	113.6	113.1	112.1	111.6	109.6	108.6	108.1	108.6	109.1	106.1
62.5°	109.1	108.6	108.1	107.1	106.6	104.6	103.0	102.0	103.0	104.1	103.5
63°	107.1	106.6	106.6	106.1	105.6	103.0	101.5	100.5	101.5	102.5	102.5
65°	100.0	100.5	100.5	100.0	99.5	98.0	96.0	95.0	95.5	97.0	97.5
67.5°	92.5	93.0	92.5	93.0	92.5	91.5	90.0	89.0	88.5	89.0	89.5
70°	85.5	86.5	86.0	85.5	84.9	84.9	83.9	82.4	81.9	81.4	81.4
72.5°	79.4	79.4	78.4	78.4	77.9	77.9	76.9	75.4	74.9	74.9	73.9
75°	72.9	72.9	71.4	71.4	70.4	70.9	69.9	68.4	67.9	67.9	67.4
77.5°	68.9	67.4	64.8	64.3	63.8	63.8	63.3	61.8	61.3	61.3	60.8
80°	60.8	57.8	55.3	54.8	55.3	56.3	56.3	55.3	55.3	55.3	55.3
82.5°	47.3	46.2	44.7	43.7	43.7	45.2	47.3	48.3	49.3	50.3	50.3
85°	34.7	35.2	34.7	33.2	32.7	34.2	36.2	38.2	38.7	40.7	40.2
87.5°	18.6	19.1	17.6	17.1	18.6	19.6	21.6	22.1	23.1	23.6	24.1
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):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3
2.5°	534.3	533.8	534.3	533.3	533.3	532.3	531.3	530.8	529.8	529.3	528.3
5°	543.4	541.9	540.4	539.9	537.8	535.8	534.3	531.8	529.8	526.3	525.3
7.5°	549.4	545.9	543.9	543.4	540.4	538.9	535.3	532.3	529.3	524.8	523.3
10°	551.9	548.4	544.9	543.4	539.9	537.3	533.8	529.3	526.8	522.3	521.3
12.5°	554.9	548.4	542.9	538.9	533.8	528.3	524.8	522.3	518.7	516.2	515.2
15°	549.4	540.9	532.3	524.8	516.7	510.7	507.2	503.2	499.1	497.6	497.6
17.5°	534.3	523.3	508.7	499.1	490.6	484.1	479.5	475.5	475.0	473.0	474.0
20°	503.2	488.6	474.5	467.5	462.4	458.4	453.9	451.9	450.4	447.4	446.4
22.5°	459.9	447.9	437.8	432.8	428.8	423.7	419.7	413.7	412.2	409.2	407.7
25°	412.2	402.6	394.1	390.6	388.1	381.0	378.5	370.5	364.9	361.4	363.4
27.5°	364.4	357.4	349.4	344.8	343.3	336.8	334.3	325.2	320.7	320.7	315.7
30°	315.2	308.6	303.6	298.6	297.6	289.5	283.0	279.5	274.5	272.4	268.9
32.5°	268.9	262.4	258.4	255.9	251.8	245.3	238.8	232.7	224.7	221.7	220.2
35°	226.2	221.2	216.1	214.1	208.6	201.6	193.5	188.5	178.9	175.4	173.9
37.5°	193.5	187.5	184.0	178.4	172.9	165.4	159.3	154.8	151.3	149.8	149.8
40°	167.4	162.9	158.8	154.3	149.8	145.8	142.8	141.8	141.2	141.2	142.3
42.5°	147.8	143.8	141.8	139.2	137.7	137.7	137.2	137.7	138.2	138.7	140.2
45°	134.7	132.2	131.2	130.7	131.7	132.7	133.2	134.2	136.2	137.2	137.7
47.5°	127.7	125.7	125.2	125.7	127.2	129.2	131.2	132.7	134.2	134.7	135.2
50°	120.6	118.1	117.1	118.1	120.1	123.2	124.7	127.2	128.2	129.2	128.2
52.5°	114.6	112.6	112.1	112.1	114.1	116.1	118.1	120.1	120.6	120.6	120.1
55°	109.6	108.1	106.6	107.6	109.1	111.1	114.1	115.6	116.6	117.1	117.1
57.5°	105.6	104.1	102.5	103.5	105.1	107.1	110.1	111.6	112.6	114.1	114.6
60°	102.5	100.5	99.0	100.5	102.0	105.1	107.6	109.1	111.6	112.1	112.1
62.5°	99.5	97.5	95.0	96.5	96.5	98.0	100.5	102.5	105.1	106.1	106.1
63°	99.0	97.0	94.5	95.5	95.5	96.5	98.5	100.5	103.5	104.6	104.1
65°	95.0	94.5	92.0	92.0	91.0	92.0	93.5	95.5	97.0	98.5	98.5
67.5°	88.5	88.0	87.5	87.5	87.5	88.5	89.5	91.0	92.5	93.5	93.0
70°	80.9	80.9	80.9	81.4	81.4	82.4	82.9	82.4	83.9	84.9	84.4
72.5°	74.4	73.9	73.4	74.4	73.9	73.9	74.9	74.4	75.9	75.9	76.4
75°	67.4	66.9	66.9	67.4	66.4	65.3	65.8	65.8	66.4	66.4	67.4
77.5°	61.3	61.3	61.3	60.8	59.8	59.3	58.8	58.8	58.8	58.8	59.3
80°	55.8	55.8	55.8	55.3	54.3	53.3	52.3	51.8	51.3	48.8	48.8
82.5°	50.3	50.3	50.3	50.3	49.8	48.8	47.3	43.2	41.2	39.2	39.7
85°	39.7	40.7	41.7	43.2	42.7	42.7	39.7	34.7	31.7	29.7	30.2
87.5°	25.6	22.6	22.6	22.1	21.1	20.1	20.1	17.1	14.1	12.6	13.1
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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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	0°
2.5°	528.3	527.3	526.3	526.3	524.8	524.8	523.8	525.8	523.8	522.3	522.3	2.5°
5°	524.3	523.3	520.3	519.8	517.7	517.7	517.7	516.7	516.7	515.7	515.2	5°
7.5°	521.8	519.3	516.7	515.2	515.2	514.2	516.2	515.2	515.7	515.7	516.2	7.5°
10°	519.8	517.7	516.7	516.2	516.2	517.7	519.3	519.8	519.3	519.8	519.8	10°
12.5°	514.7	515.7	516.2	518.2	520.8	523.8	527.3	527.8	528.8	528.8	529.8	12.5°
15°	498.6	501.2	504.2	509.2	515.7	522.3	528.8	534.3	539.4	541.9	543.9	15°
17.5°	476.0	478.5	484.1	489.6	498.1	507.7	518.7	528.3	538.9	548.4	558.0	17.5°
20°	445.4	449.4	450.9	460.9	471.0	484.1	497.1	512.2	530.3	548.4	567.0	20°
22.5°	405.6	410.2	417.2	425.3	435.8	451.9	467.5	491.1	515.2	540.9	570.0	22.5°
25°	361.4	366.4	372.5	381.0	391.6	408.7	431.3	456.4	486.1	519.8	555.9	25°
27.5°	315.7	320.7	325.7	331.8	343.8	361.9	388.6	414.7	447.4	484.1	526.3	27.5°
30°	269.9	270.4	273.4	281.0	293.6	317.2	336.8	369.5	403.6	442.3	491.1	30°
32.5°	219.7	219.2	222.7	229.2	241.3	263.9	288.0	319.7	353.4	402.1	452.4	32.5°
35°	174.9	174.9	181.5	188.0	201.6	217.7	238.8	266.9	306.6	351.9	402.1	35°
37.5°	151.3	154.8	158.8	165.4	175.9	188.5	207.1	231.7	262.9	306.1	352.4	37.5°
40°	143.8	145.8	149.3	155.3	164.4	175.9	189.5	208.1	232.2	266.9	309.1	40°
42.5°	140.7	141.2	143.3	147.8	155.8	167.4	181.5	198.0	216.1	240.8	277.5	42.5°
45°	137.7	137.2	138.2	141.8	148.3	161.4	177.4	195.5	213.6	234.2	264.4	45°
47.5°	135.2	135.2	135.2	136.7	142.8	155.8	174.4	195.5	217.2	240.3	269.9	47.5°
50°	128.2	127.7	127.7	128.7	133.2	147.3	169.4	195.0	223.2	253.3	287.0	50°
52.5°	120.1	120.1	120.6	121.1	125.2	139.2	163.9	195.0	230.2	270.4	312.7	52.5°
55°	117.6	118.1	118.6	118.1	121.1	133.2	157.8	192.0	233.2	284.0	340.3	55°
57.5°	115.6	116.6	116.6	116.1	118.1	128.2	151.8	186.0	230.7	289.0	359.9	57.5°
60°	112.6	112.6	112.6	111.1	112.1	121.1	142.8	176.4	222.7	284.5	362.9	60°
62.5°	106.1	106.1	105.1	104.6	104.1	111.1	130.7	162.4	208.1	272.4	355.4	62.5°
63°	104.6	104.1	104.1	102.5	102.5	109.1	128.2	160.3	204.1	269.4	352.4	63°
65°	99.0	99.0	99.0	98.0	97.5	102.5	118.1	146.3	188.5	255.4	337.3	65°
67.5°	93.0	93.5	92.5	92.0	91.5	94.5	106.6	128.7	164.4	225.7	309.1	67.5°
70°	84.4	84.9	84.9	84.4	83.9	86.0	93.5	110.6	136.2	188.0	263.4	70°
72.5°	76.9	77.9	77.9	78.9	78.9	80.4	83.4	92.0	109.1	146.8	207.1	72.5°
75°	68.9	69.4	70.4	71.4	70.4	69.9	70.4	76.9	85.5	108.6	147.8	75°
77.5°	61.8	63.3	63.3	62.8	61.3	60.3	60.3	63.3	70.4	82.4	105.6	77.5°
80°	51.3	53.8	54.3	52.8	51.3	51.3	52.3	54.3	58.8	67.9	79.9	80°
82.5°	41.2	43.7	44.2	44.7	44.2	45.7	45.7	46.2	48.8	55.8	65.3	82.5°
85°	31.7	33.7	35.2	35.7	36.2	36.7	36.2	33.7	35.2	39.7	44.2	85°
87.5°	14.1	14.6	13.6	14.1	13.6	14.1	14.6	12.1	11.6	15.6	16.1	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°



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**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
527.3	527.3	527.3	527.3	527.3	527.3	527.3
521.8	521.8	522.3	521.3	521.3	521.8	520.3
513.7	515.7	515.7	515.7	514.7	515.7	516.2
515.7	517.2	518.2	518.2	517.7	519.8	521.3
518.2	520.8	521.8	521.8	521.8	524.3	527.8
527.8	529.8	531.3	531.3	532.3	535.3	539.4
545.4	547.9	547.9	547.4	550.4	553.9	558.5
565.0	572.0	575.5	575.0	577.6	582.1	587.1
583.6	603.2	611.7	617.8	620.3	626.3	627.8
599.2	631.8	655.5	675.6	685.1	691.2	698.2
593.6	637.9	680.1	721.3	750.5	780.1	792.7
571.0	626.3	681.6	741.9	794.7	847.5	885.7
543.4	609.7	684.1	769.6	853.0	933.9	998.3
511.7	594.1	689.7	795.2	904.8	1010.9	1103.8
472.0	564.5	676.1	797.7	926.9	1055.6	1176.2
421.7	524.3	644.4	779.6	927.9	1075.2	1219.5
371.5	473.5	604.2	753.5	914.8	1079.7	1246.6
336.3	428.3	563.5	720.3	893.7	1072.7	1259.7
312.2	395.6	527.3	690.2	871.1	1060.1	1261.7
310.1	381.5	503.7	668.0	853.0	1049.1	1261.7
327.2	389.1	495.6	657.0	845.5	1045.5	1262.7
359.4	419.2	510.2	665.5	851.5	1050.1	1267.2
398.1	465.0	549.4	695.2	877.1	1065.1	1277.3
433.3	517.7	616.3	752.5	923.9	1103.3	1305.4
453.9	563.0	687.1	832.9	1003.8	1179.2	1361.7
456.4	588.1	750.0	920.4	1100.8	1266.2	1451.7
454.4	590.1	758.0	937.0	1121.4	1287.8	1482.9
443.3	590.6	780.6	995.3	1192.8	1378.8	1569.8
415.2	574.5	788.7	1041.0	1282.8	1498.4	1732.2
366.4	528.8	765.1	1042.0	1317.5	1565.3	1834.7
294.6	441.8	663.0	948.0	1226.0	1499.4	1808.1
215.6	324.7	501.2	734.4	1000.3	1248.1	1548.7
143.3	210.1	337.8	523.3	717.3	898.3	1114.9
98.5	130.2	197.5	314.7	438.8	526.8	710.3
72.4	86.0	109.6	160.9	211.1	259.9	371.0
45.2	49.3	54.8	79.4	113.6	153.3	231.2
12.1	12.6	11.6	15.6	24.6	23.6	26.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)