

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: P151078

Luminaire Tested: **VWM-E03-LED-E1-SL3-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151078
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VWM-E03-LED-E1-SL3-8030
Description: VISION WALL MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7687.5 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

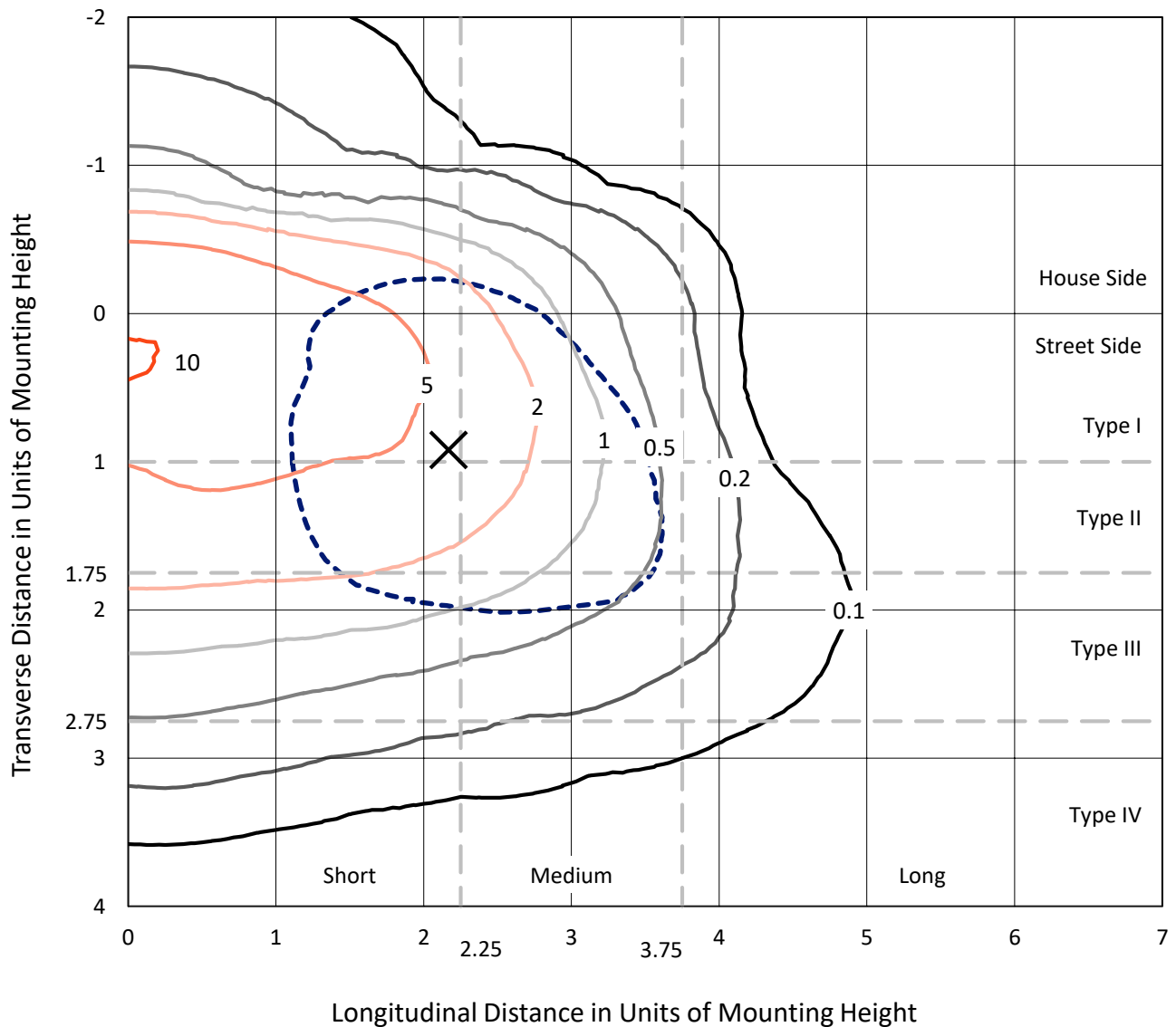
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P151078
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Iso-Footcandle Lines of Horizontal Illumination

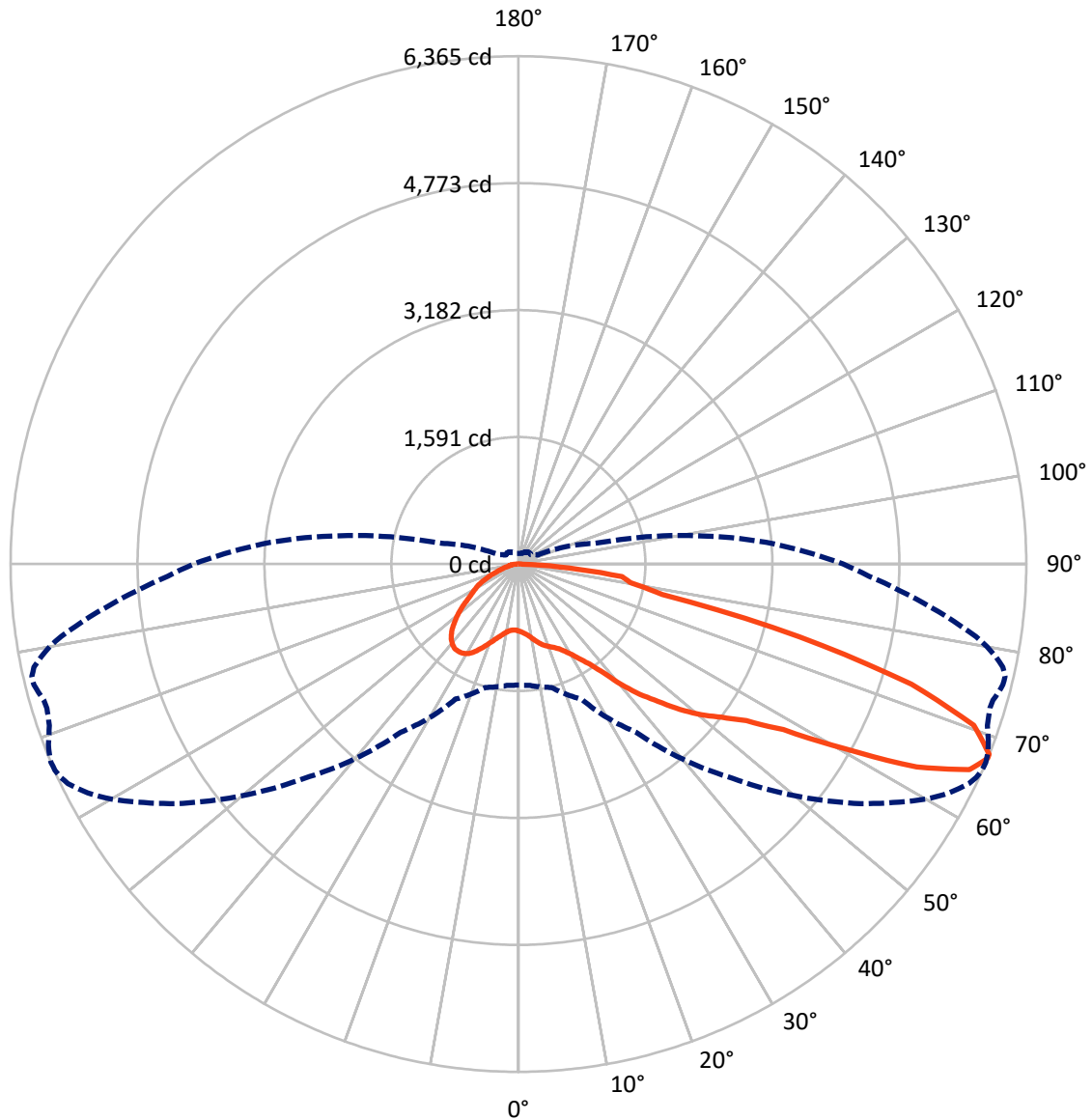
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P151078
CATALOG NUMBER: VWM-E03-LED-E1-SL3-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1774.0	0.0	1774.0
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	5913.5	0.0	5913.5
	% Fixture	76.9	0.0	76.9
Total	Lumens	7687.5	0.0	7687.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	1.1
10°-20°	286.7	3.7
20°-30°	506.2	6.6
30°-40°	726.6	9.5
40°-50°	1103.6	14.4
50°-60°	1624.8	21.1
60°-70°	2159.3	28.1
70°-80°	1056.4	13.7
80°-90°	140.3	1.8
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°	7687.5	100.0
0°-180°	7687.5	100.0

Coefficient of Utilization



REPORT NUMBER: P151078

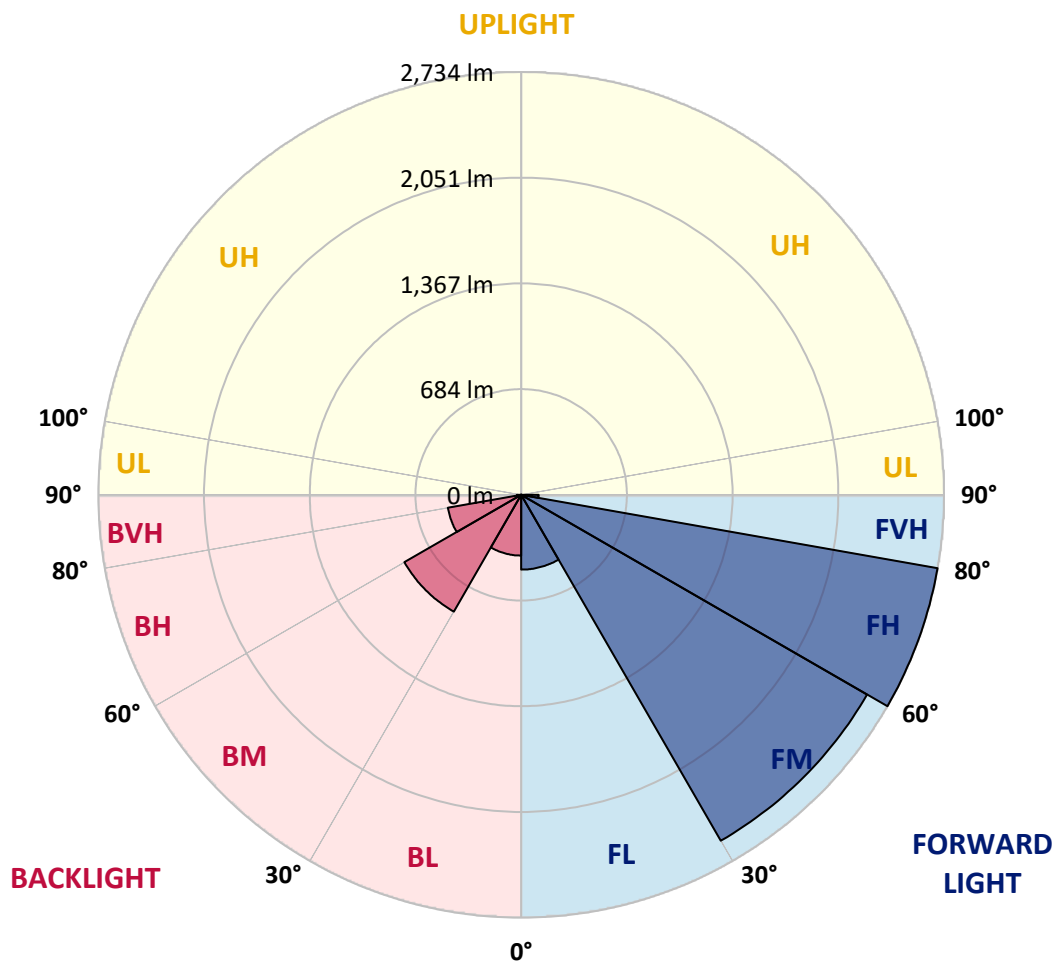
CATALOG NUMBER: VWM-E03-LED-E1-SL3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	483.6	6.3			
FM	(30°-60°)	2582.8	33.6			
FH	(60°-80°)	2734.4	35.6			G2/5000
FVH	(80°-90°)	112.7	1.5			G2/225
BL	(0°-30°)	392.9	5.1	B1/500		
BM	(30°-60°)	872.2	11.3	B1/1000		
BH	(60°-80°)	481.3	6.3	B1/500		G1/500
BVH	(80°-90°)	27.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





REPORT NUMBER: P151078

CATALOG NUMBER: VWM-E03-LED-E1-SL3-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8
2.5°	879.4	880.3	878.6	877.8	872.7	867.6	864.2	860.0	860.0	860.0	858.3
5°	929.2	925.9	928.4	922.5	912.4	903.1	893.8	886.2	884.5	884.5	881.1
7.5°	989.2	984.9	983.2	974.8	959.6	946.1	927.5	920.0	915.7	914.0	912.4
10°	1061.7	1061.7	1050.8	1036.4	1016.2	992.5	972.3	958.8	957.9	957.9	950.3
12.5°	1136.0	1137.7	1123.4	1109.0	1076.1	1044.9	1021.2	1006.0	1005.2	1001.8	997.6
15°	1204.4	1200.2	1190.9	1169.8	1133.5	1096.3	1066.8	1051.6	1048.2	1044.9	1042.3
17.5°	1260.9	1256.7	1244.9	1217.9	1179.9	1136.0	1099.7	1083.7	1082.0	1080.3	1076.9
20°	1296.4	1293.0	1276.1	1244.9	1205.2	1160.5	1121.7	1110.7	1107.3	1107.3	1105.6
22.5°	1316.6	1311.6	1287.1	1245.7	1206.9	1174.0	1141.9	1135.2	1132.6	1133.5	1133.5
25°	1326.8	1322.5	1287.9	1228.9	1191.7	1182.4	1168.9	1164.7	1165.6	1166.4	1168.1
27.5°	1328.4	1322.5	1282.0	1206.9	1172.3	1198.5	1207.8	1214.5	1214.5	1217.9	1223.8
30°	1315.8	1309.0	1270.2	1190.0	1163.9	1230.5	1267.7	1285.4	1292.2	1290.5	1304.0
32.5°	1293.8	1289.6	1258.4	1190.0	1187.5	1293.8	1359.7	1385.0	1388.4	1390.1	1405.2
35°	1286.2	1285.4	1271.9	1230.5	1260.9	1405.2	1505.7	1525.1	1529.3	1529.3	1540.3
37.5°	1284.6	1288.8	1304.0	1306.5	1390.1	1570.7	1702.3	1731.9	1731.9	1740.3	1740.3
40°	1284.6	1293.8	1351.2	1419.6	1547.9	1785.9	1968.2	2001.9	2001.9	2011.2	2006.2
42.5°	1334.3	1347.9	1442.4	1572.4	1747.1	2007.9	2217.2	2255.1	2257.7	2255.1	2262.7
45°	1432.3	1444.1	1558.9	1745.4	1952.2	2245.9	2455.2	2500.7	2491.5	2497.4	2499.9
47.5°	1562.2	1580.8	1711.6	1934.4	2152.2	2466.1	2721.9	2763.2	2759.9	2762.4	2751.4
50°	1700.6	1720.1	1866.1	2121.8	2351.4	2643.4	2936.2	2997.9	2991.9	2996.2	3002.1
52.5°	1823.0	1834.8	1975.8	2262.7	2502.4	2808.8	3100.8	3177.6	3191.1	3192.8	3197.0
55°	1895.6	1910.0	2039.1	2332.8	2612.2	2970.8	3289.0	3405.5	3431.7	3438.4	3457.0
57.5°	1920.9	1936.1	2053.4	2342.9	2672.1	3122.8	3551.5	3756.6	3778.5	3814.8	3873.9
60°	1920.1	1936.1	2038.2	2320.1	2732.8	3311.0	3960.0	4303.5	4414.9	4452.1	4536.5
62.5°	1841.6	1860.2	1964.0	2250.9	2810.5	3551.5	4567.7	5096.0	5239.5	5307.0	5398.2
65°	1669.4	1682.9	1780.0	2075.4	2788.5	3788.7	5075.8	5734.9	5865.7	5964.5	6127.4
67°	1516.7	1525.1	1601.1	1867.8	2574.2	3797.1	5236.1	5893.6	6007.5	6112.2	6280.1
67.5°	1477.8	1495.6	1554.6	1804.5	2494.0	3749.0	5225.1	5869.1	5985.6	6094.5	6271.7
70°	1202.7	1228.0	1257.5	1425.5	1960.6	3154.0	4837.8	5445.4	5547.6	5648.8	5896.1
72.5°	741.9	787.4	793.4	899.7	1276.1	2180.0	3914.4	4592.2	4669.0	4741.5	4994.7
75°	437.2	443.9	465.0	551.1	748.6	1303.1	2626.5	3411.4	3482.3	3517.8	3716.1
77.5°	243.9	250.7	268.4	342.7	575.6	877.8	1529.3	2004.5	2047.5	2092.3	2060.2
80°	101.3	110.6	119.0	138.4	269.2	692.9	1051.6	1274.4	1302.3	1328.4	1361.4
82.5°	49.0	52.3	64.1	73.4	97.9	284.4	824.6	1104.8	1137.7	1175.7	1252.5
85°	22.8	25.3	35.4	42.2	47.3	71.7	276.0	537.6	583.2	591.6	606.8
87.5°	1.7	1.7	4.2	5.9	8.4	9.3	28.7	40.5	45.6	41.4	52.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P151078

CATALOG NUMBER: VWM-E03-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8
2.5°	857.5	856.7	855.0	855.0	854.1	854.1	854.1	852.4	852.4	852.4	851.6
5°	880.3	879.4	876.9	876.9	875.2	875.2	872.7	871.8	870.2	870.2	869.3
7.5°	909.8	909.0	905.6	905.6	903.1	902.2	900.5	898.0	898.0	896.3	894.6
10°	950.3	947.8	947.0	942.7	943.6	941.9	940.2	937.7	936.0	934.3	932.6
12.5°	995.9	995.9	991.7	989.2	990.8	989.2	985.8	984.9	982.4	982.4	979.9
15°	1039.0	1039.0	1037.3	1033.9	1034.7	1032.2	1031.4	1029.7	1026.3	1027.1	1026.3
17.5°	1076.1	1076.1	1073.6	1071.9	1071.9	1069.3	1070.2	1068.5	1066.8	1066.0	1063.4
20°	1105.6	1105.6	1103.9	1102.3	1103.1	1103.1	1100.6	1100.6	1100.6	1098.9	1098.9
22.5°	1134.3	1135.2	1135.2	1135.2	1136.0	1136.9	1136.0	1137.7	1136.9	1138.5	1138.5
25°	1172.3	1174.8	1176.5	1176.5	1180.7	1181.6	1182.4	1185.0	1185.0	1187.5	1188.3
27.5°	1228.9	1230.5	1237.3	1239.0	1239.8	1246.6	1247.4	1250.8	1254.2	1255.0	1255.9
30°	1306.5	1310.7	1315.8	1319.2	1319.2	1327.6	1331.0	1329.3	1338.6	1341.1	1344.5
32.5°	1410.3	1413.7	1418.7	1422.1	1425.5	1429.7	1430.6	1434.8	1442.4	1449.1	1444.9
35°	1541.1	1549.6	1541.1	1550.4	1552.9	1558.9	1557.2	1562.2	1565.6	1568.1	1567.3
37.5°	1731.0	1726.8	1725.1	1721.7	1715.8	1736.1	1726.0	1725.1	1720.1	1734.4	1725.1
40°	1980.8	1983.4	1985.9	1972.4	1964.8	1964.8	1962.3	1953.0	1948.8	1961.4	1959.7
42.5°	2241.6	2244.2	2232.4	2223.9	2204.5	2202.0	2190.2	2187.6	2183.4	2190.2	2183.4
45°	2478.8	2480.5	2454.3	2458.5	2443.4	2445.9	2427.3	2434.9	2424.8	2431.5	2444.2
47.5°	2743.8	2747.2	2724.4	2733.7	2718.5	2709.2	2708.4	2713.4	2702.5	2709.2	2712.6
50°	2984.4	2980.1	2968.3	2970.8	2964.1	2965.8	2955.7	2964.9	2952.3	2965.8	2964.1
52.5°	3197.9	3192.8	3190.3	3198.7	3192.8	3192.8	3186.9	3191.1	3192.8	3213.1	3217.3
55°	3457.0	3461.2	3465.4	3480.6	3487.4	3476.4	3487.4	3508.5	3509.3	3557.4	3583.6
57.5°	3873.1	3902.6	3917.8	3927.1	3966.8	3962.5	3987.9	4038.5	4043.6	4155.0	4220.0
60°	4598.9	4651.2	4701.0	4674.0	4754.2	4778.7	4793.9	4888.4	4917.9	5023.4	5080.0
62.5°	5515.5	5521.4	5599.0	5574.6	5620.1	5609.2	5627.7	5670.8	5709.6	5796.5	5849.7
65°	6155.2	6183.1	6213.5	6182.2	6181.4	6144.3	6120.6	6119.8	6143.4	6162.0	6221.1
67°	6329.1	6356.9	6364.5	6341.7	6308.8	6261.6	6217.7	6194.9	6179.7	6188.1	6225.3
67.5°	6327.4	6353.6	6362.8	6340.9	6295.3	6255.7	6209.2	6183.1	6162.8	6167.0	6198.3
70°	5967.9	6024.4	6054.8	6061.5	6055.6	5986.4	5946.8	5923.1	5906.2	5864.9	5862.4
72.5°	5056.3	5124.7	5148.3	5186.3	5203.2	5101.1	5058.0	5084.2	5025.1	4894.3	4900.2
75°	3712.7	3717.8	3638.4	3623.3	3566.7	3335.5	3266.2	3202.9	3101.7	2943.8	2795.3
77.5°	1935.3	1934.4	1843.3	1796.9	1729.3	1590.1	1583.3	1470.2	1390.9	1246.6	1194.2
80°	1374.9	1396.8	1427.2	1442.4	1418.7	1364.7	1290.5	1210.3	1118.3	1028.0	920.0
82.5°	1278.6	1292.2	1308.2	1249.1	1216.2	1140.2	1083.7	967.2	902.2	799.3	690.4
85°	622.0	663.4	631.3	594.2	581.5	454.9	439.7	367.1	333.4	274.3	255.7
87.5°	39.7	49.0	43.9	39.7	34.6	19.4	26.2	18.6	19.4	14.3	12.7
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: P151078

CATALOG NUMBER: VWM-E03-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8
2.5°	851.6	850.7	849.9	849.1	848.2	848.2	847.4	846.5	845.7	844.0	844.0
5°	867.6	867.6	866.8	865.1	865.1	863.4	860.9	860.0	860.0	858.3	856.7
7.5°	893.8	892.9	891.3	890.4	888.7	887.0	885.3	883.7	882.8	880.3	879.4
10°	933.5	931.8	927.5	925.9	925.0	923.3	921.6	920.0	917.4	915.7	914.9
12.5°	978.2	977.3	974.0	975.7	971.4	969.7	968.1	963.8	965.5	962.1	960.5
15°	1022.9	1023.8	1022.1	1022.1	1018.7	1016.2	1014.5	1011.1	1010.3	1008.6	1006.9
17.5°	1062.6	1064.3	1061.7	1060.1	1058.4	1056.7	1053.3	1049.9	1049.9	1046.5	1044.9
20°	1098.9	1100.6	1099.7	1098.0	1095.5	1094.7	1093.0	1090.4	1090.4	1088.7	1086.2
22.5°	1140.2	1141.1	1141.1	1140.2	1137.7	1138.5	1136.9	1134.3	1135.2	1131.8	1131.8
25°	1190.0	1191.7	1193.4	1194.2	1192.6	1193.4	1191.7	1190.0	1189.2	1190.0	1189.2
27.5°	1258.4	1260.1	1265.1	1260.9	1265.1	1266.0	1263.5	1260.1	1262.6	1266.8	1264.3
30°	1348.7	1347.0	1353.8	1354.6	1353.8	1354.6	1352.9	1350.4	1352.1	1359.7	1355.4
32.5°	1450.0	1453.4	1455.0	1456.7	1459.3	1462.6	1460.1	1457.6	1461.8	1459.3	1465.2
35°	1572.4	1580.0	1582.5	1580.0	1581.6	1587.5	1586.7	1587.5	1596.0	1587.5	1598.5
37.5°	1726.8	1734.4	1740.3	1736.9	1741.2	1741.2	1747.9	1766.5	1754.7	1769.8	1781.7
40°	1951.3	1963.1	1964.0	1963.1	1967.3	1972.4	1979.2	1999.4	1985.9	2001.9	2012.9
42.5°	2182.6	2196.9	2202.0	2193.5	2202.8	2213.8	2214.6	2232.4	2233.2	2235.7	2241.6
45°	2443.4	2456.0	2466.1	2461.9	2462.8	2477.1	2473.7	2490.6	2478.0	2478.0	2481.3
47.5°	2721.0	2732.8	2739.6	2746.3	2737.9	2750.6	2756.5	2753.1	2737.9	2734.5	2714.3
50°	2974.2	2984.4	2994.5	3013.0	3012.2	3018.1	3022.3	3007.1	3003.8	2985.2	2962.4
52.5°	3242.6	3268.8	3291.6	3330.4	3336.3	3356.6	3349.0	3323.6	3319.4	3289.0	3258.6
55°	3616.5	3691.6	3724.5	3784.5	3825.0	3824.1	3807.2	3803.0	3771.0	3710.2	3673.9
57.5°	4267.2	4384.5	4441.1	4518.7	4531.4	4523.8	4501.8	4463.0	4407.3	4305.2	4239.4
60°	5206.6	5279.2	5345.0	5363.6	5372.8	5358.5	5281.7	5195.6	5086.7	4945.8	4828.5
62.5°	5916.4	5990.6	6039.6	6032.0	5973.8	5900.3	5788.1	5643.8	5491.0	5333.2	5157.6
65°	6277.6	6308.8	6301.2	6242.2	6142.6	6014.3	5850.5	5672.5	5492.7	5306.2	5123.9
67°	6258.2	6259.0	6207.6	6092.8	5965.3	5804.1	5604.1	5410.0	5199.0	5003.2	4786.3
67.5°	6223.6	6220.2	6148.5	6022.7	5885.1	5718.9	5511.3	5310.4	5091.8	4894.3	4669.8
70°	5832.0	5784.7	5622.7	5421.8	5230.2	5005.7	4788.0	4557.6	4311.1	4141.5	3883.2
72.5°	4792.2	4632.7	4353.3	4143.2	3938.1	3644.4	3508.5	3222.4	3049.3	2941.3	2746.3
75°	2775.0	2641.7	2425.6	2229.0	2129.4	1955.5	1872.8	1662.7	1618.8	1617.1	1549.6
77.5°	1059.2	924.2	784.9	632.1	537.6	427.1	376.4	336.8	306.4	327.5	297.1
80°	794.2	653.2	510.6	371.4	265.0	195.8	168.0	155.3	147.7	141.8	137.6
82.5°	591.6	466.7	362.1	236.3	165.4	124.9	108.0	101.3	97.9	92.0	86.9
85°	200.0	160.4	126.6	87.8	69.2	56.5	52.3	50.6	48.1	43.9	41.4
87.5°	11.0	10.1	11.0	8.4	10.1	8.4	9.3	9.3	9.3	8.4	8.4
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: P151078

CATALOG NUMBER: VWM-E03-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8	839.8
2.5°	843.1	843.1	843.1	841.5	838.9	833.9	828.8	824.6	820.4	817.8	816.1
5°	855.8	854.1	853.3	852.4	846.5	836.4	827.1	818.7	810.2	803.5	800.9
7.5°	878.6	875.2	874.4	871.8	864.2	849.1	835.6	822.0	810.2	800.9	796.7
10°	913.2	913.2	908.1	904.8	896.3	876.1	856.7	838.9	822.9	812.8	810.2
12.5°	957.1	957.1	952.9	950.3	940.2	914.0	890.4	869.3	854.1	844.0	843.1
15°	1002.7	1001.8	998.4	995.1	984.1	956.2	932.6	914.0	901.4	889.6	886.2
17.5°	1043.2	1043.2	1039.0	1035.6	1024.6	1001.0	979.9	966.4	952.0	927.5	909.0
20°	1083.7	1084.5	1081.2	1077.8	1068.5	1048.2	1039.0	1025.4	993.4	940.2	896.3
22.5°	1128.4	1131.8	1127.6	1124.2	1116.6	1108.2	1104.8	1072.7	1005.2	920.0	855.8
25°	1185.8	1191.7	1186.7	1185.0	1180.7	1183.3	1173.1	1098.9	988.3	876.1	795.9
27.5°	1264.3	1264.3	1265.1	1265.1	1263.5	1272.7	1235.6	1099.7	951.2	819.5	724.1
30°	1356.3	1361.4	1359.7	1359.7	1366.4	1372.3	1270.2	1081.2	903.9	749.5	636.4
32.5°	1466.9	1471.1	1472.8	1465.2	1492.2	1461.8	1282.9	1047.4	845.7	662.5	531.7
35°	1600.2	1606.1	1610.3	1611.2	1628.9	1539.4	1276.1	997.6	762.1	553.7	416.9
37.5°	1774.1	1785.9	1795.2	1799.4	1800.2	1605.3	1257.5	931.8	653.2	432.1	310.6
40°	2005.3	2018.0	2015.5	2023.9	1975.8	1644.1	1215.3	836.4	518.2	317.3	239.7
42.5°	2228.1	2229.8	2233.2	2225.6	2127.7	1664.4	1156.3	719.9	388.2	237.2	205.1
45°	2477.1	2462.8	2446.7	2434.9	2267.8	1671.9	1075.2	578.1	274.3	199.2	189.9
47.5°	2710.9	2691.5	2658.6	2624.8	2392.7	1660.1	971.4	433.0	208.5	182.3	179.8
50°	2940.5	2904.2	2857.8	2818.9	2512.6	1642.4	856.7	312.3	182.3	173.9	171.3
52.5°	3224.9	3164.1	3103.4	3052.7	2668.7	1614.6	736.0	237.2	171.3	167.1	163.7
55°	3614.8	3530.4	3432.5	3361.6	2880.5	1572.4	609.4	200.9	166.3	162.9	157.8
57.5°	4155.0	4028.4	3917.8	3802.2	3170.0	1529.3	500.5	186.5	165.4	160.4	153.6
60°	4706.9	4555.0	4414.1	4248.7	3465.4	1486.3	424.5	184.8	168.0	160.4	150.2
62.5°	4993.9	4836.9	4667.3	4499.3	3592.9	1385.0	372.2	187.4	173.9	162.9	150.2
65°	4928.1	4736.5	4564.3	4393.0	3445.2	1193.4	314.8	190.7	185.7	173.0	152.8
67°	4597.2	4397.2	4231.8	4068.0	3116.0	999.3	270.1	194.1	198.3	184.8	157.8
67.5°	4480.7	4280.7	4117.8	3958.3	3019.0	958.8	259.1	195.8	200.9	188.2	159.5
70°	3715.2	3568.4	3395.4	3272.2	2444.2	709.8	212.7	199.2	216.1	207.6	167.1
72.5°	2673.8	2533.7	2403.7	2335.3	1800.2	496.3	178.9	195.8	225.3	218.6	170.5
75°	1421.3	1412.8	1365.6	1399.3	1114.1	324.1	157.8	183.1	215.2	200.0	158.7
77.5°	287.0	295.4	346.9	341.8	359.5	180.6	135.0	157.0	166.3	146.9	129.1
80°	133.4	130.8	128.3	130.0	127.4	115.6	109.7	123.2	115.6	94.5	86.1
82.5°	82.7	81.0	78.5	77.6	86.1	92.0	96.2	97.1	76.8	65.8	63.3
85°	39.7	39.7	38.8	40.5	50.6	75.1	81.0	71.7	51.5	47.3	44.7
87.5°	7.6	7.6	8.4	7.6	10.1	17.7	20.3	23.6	19.4	20.3	22.8
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: P151078

CATALOG NUMBER: VWM-E03-LED-E1-SL3-8030

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	839.8	839.8	839.8
2.5°	814.5	812.8	812.8
5°	797.6	796.7	796.7
7.5°	793.4	794.2	793.4
10°	809.4	808.5	811.9
12.5°	844.8	847.4	846.5
15°	882.0	883.7	883.7
17.5°	892.9	887.0	886.2
20°	864.2	853.3	850.7
22.5°	810.2	790.0	790.8
25°	741.9	717.4	719.1
27.5°	662.5	636.4	635.5
30°	567.2	538.5	524.1
32.5°	452.4	417.8	417.8
35°	340.1	312.3	302.1
37.5°	258.3	242.2	237.2
40°	215.2	207.6	205.9
42.5°	195.8	193.3	192.4
45°	185.7	184.0	183.1
47.5°	176.4	175.6	174.7
50°	169.6	168.8	168.0
52.5°	163.7	162.0	161.2
55°	155.3	155.3	155.3
57.5°	150.2	150.2	149.4
60°	145.2	144.3	144.3
62.5°	140.9	139.3	140.1
65°	138.4	135.9	135.9
67°	136.7	131.7	131.7
67.5°	136.7	130.0	130.0
70°	134.2	123.2	121.5
72.5°	131.7	115.6	113.1
75°	124.9	109.7	107.2
77.5°	107.2	97.9	96.2
80°	82.7	71.7	73.4
82.5°	59.9	51.5	50.6
85°	43.0	37.1	37.1
87.5°	22.8	19.4	20.3
90°	0.0	0.0	0.0

(END OF REPORT)