

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: P151099

Luminaire Tested: **VWM-E05-LED-E1-SL3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151099
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-E05-LED-E1-SL3-7030
Description: VISION WALL MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (105) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13865.4 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

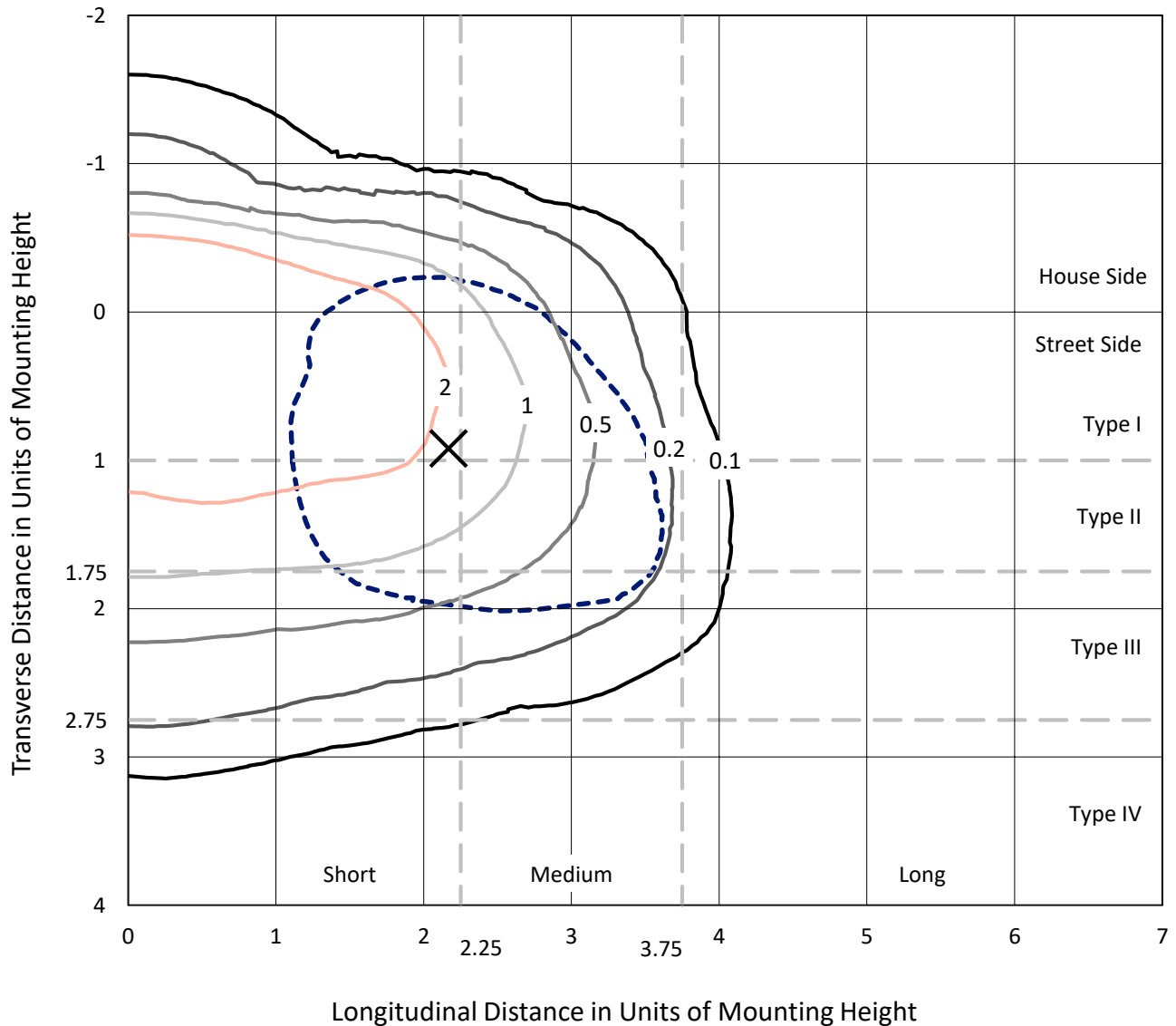
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P151099
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Iso-Footcandle Lines of Horizontal Illumination

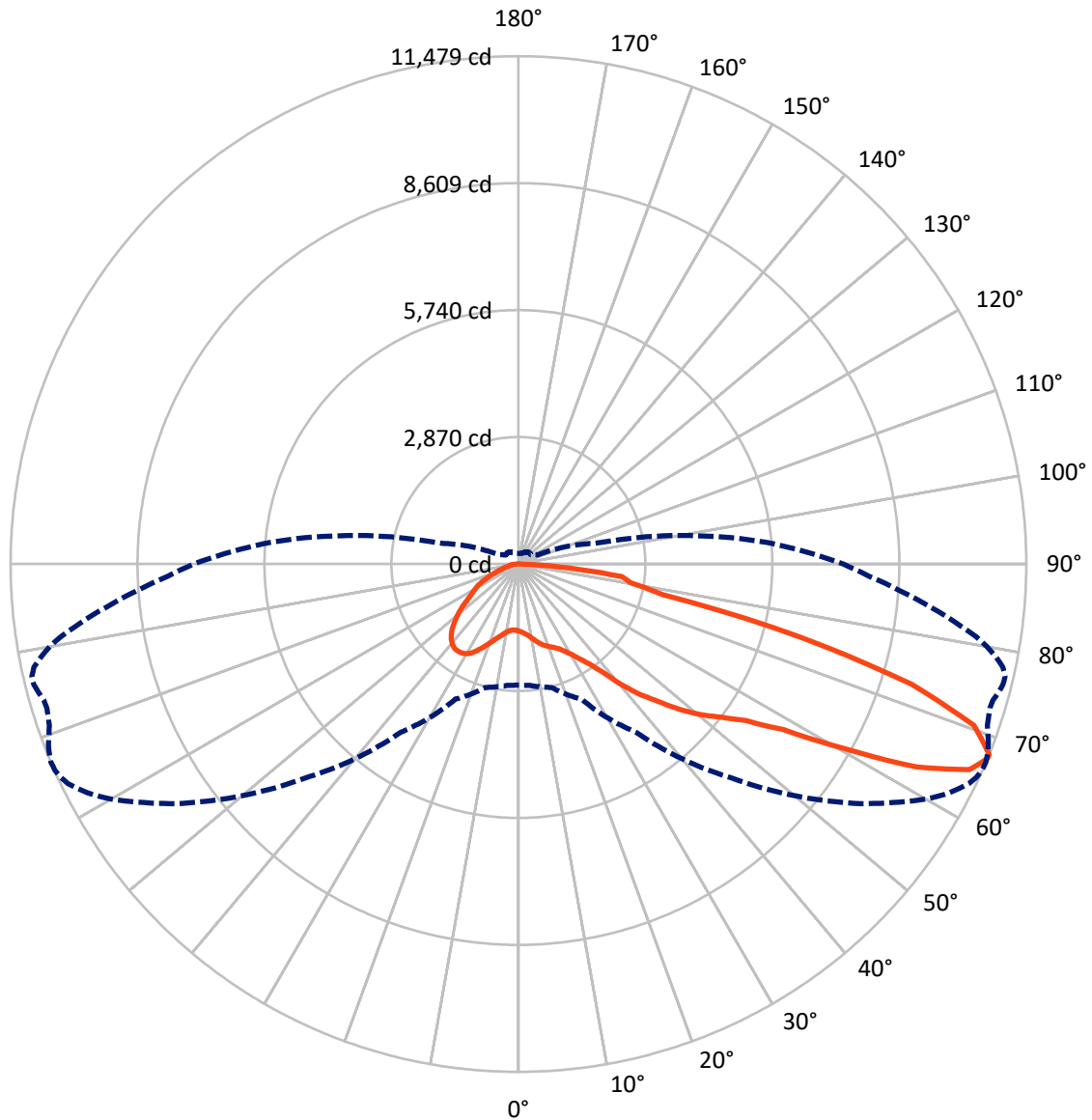
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P151099
CATALOG NUMBER: VWM-E05-LED-E1-SL3-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P151099

CATALOG NUMBER: VWM-E05-LED-E1-SL3-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3199.6	0.0	3199.6
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	10665.8	0.0	10665.8
	% Fixture	76.9	0.0	76.9
Total	Lumens	13865.4	0.0	13865.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	1.1
10°-20°	517.1	3.7
20°-30°	913.0	6.6
30°-40°	1310.5	9.5
40°-50°	1990.4	14.4
50°-60°	2930.6	21.1
60°-70°	3894.6	28.1
70°-80°	1905.3	13.7
80°-90°	253.0	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°	13865.4	100.0
0°-180°	13865.4	100.0



REPORT NUMBER: P151099

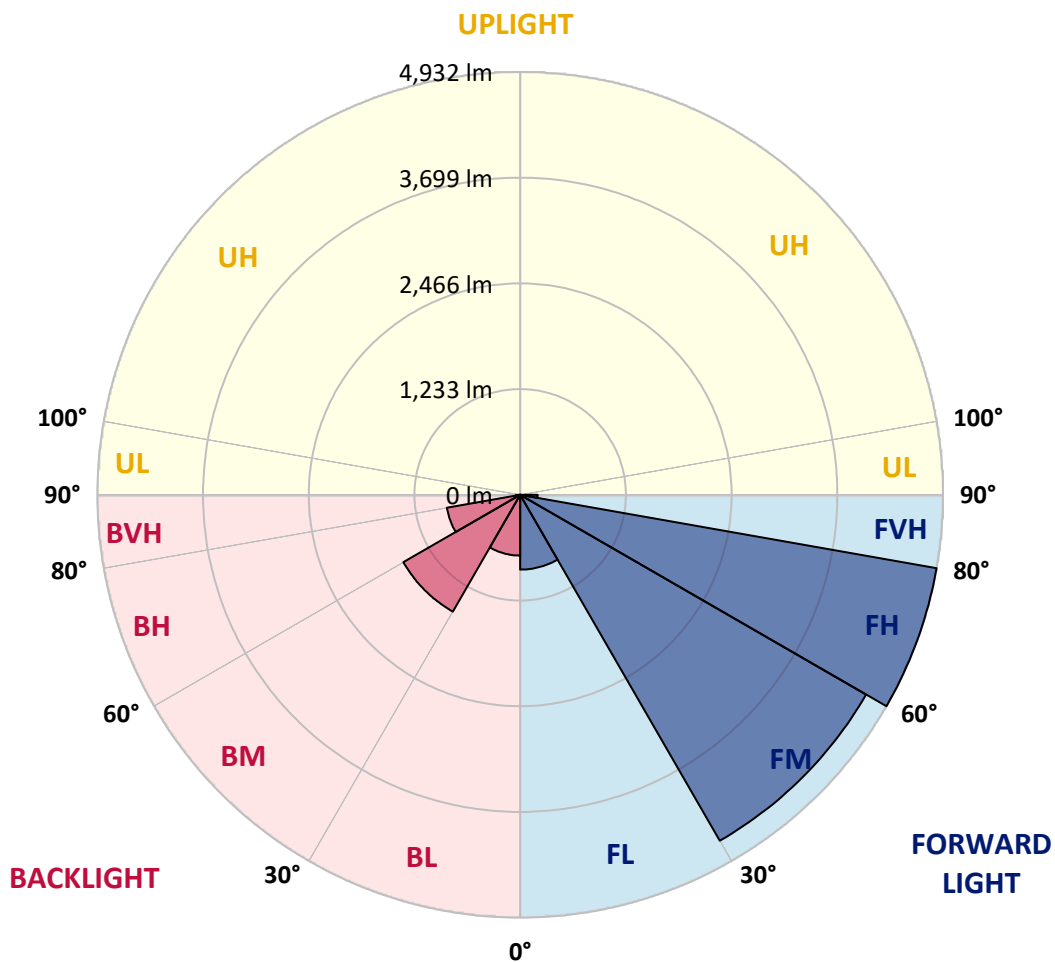
CATALOG NUMBER: VWM-E05-LED-E1-SL3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	872.3	6.3			
FM	(30°-60°)	4658.5	33.6			
FH	(60°-80°)	4931.8	35.6			G2/5000
FVH	(80°-90°)	203.2	1.5			G2/225
BL	(0°-30°)	708.6	5.1	B2/1000		
BM	(30°-60°)	1573.1	11.3	B2/2500		
BH	(60°-80°)	868.2	6.3	B2/1000		G2/1000
BVH	(80°-90°)	49.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





REPORT NUMBER: P151099

CATALOG NUMBER: VWM-E05-LED-E1-SL3-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6
2.5°	1586.2	1587.7	1584.7	1583.1	1574.0	1564.9	1558.8	1551.2	1551.2	1551.2	1548.1
5°	1676.0	1669.9	1674.5	1663.8	1645.6	1628.8	1612.1	1598.4	1595.3	1595.3	1589.2
7.5°	1784.1	1776.5	1773.4	1758.2	1730.8	1706.4	1673.0	1659.3	1651.6	1648.6	1645.6
10°	1915.0	1915.0	1895.2	1869.3	1832.8	1790.2	1753.6	1729.3	1727.8	1727.8	1714.1
12.5°	2048.9	2052.0	2026.1	2000.2	1940.9	1884.5	1841.9	1814.5	1813.0	1806.9	1799.3
15°	2172.3	2164.6	2147.9	2109.8	2044.4	1977.4	1924.1	1896.7	1890.6	1884.5	1880.0
17.5°	2274.2	2266.6	2245.3	2196.6	2128.1	2048.9	1983.5	1954.6	1951.5	1948.5	1942.4
20°	2338.2	2332.1	2301.6	2245.3	2173.8	2093.1	2023.1	2003.3	1997.2	1997.2	1994.1
22.5°	2374.7	2365.6	2321.4	2246.8	2176.8	2117.5	2059.6	2047.4	2042.9	2044.4	2044.4
25°	2393.0	2385.4	2323.0	2216.4	2149.4	2132.7	2108.3	2100.7	2102.2	2103.8	2106.8
27.5°	2396.0	2385.4	2312.3	2176.8	2114.4	2161.6	2178.3	2190.5	2190.5	2196.6	2207.3
30°	2373.2	2361.0	2291.0	2146.4	2099.2	2219.4	2286.4	2318.4	2330.6	2327.5	2351.9
32.5°	2333.6	2326.0	2269.7	2146.4	2141.8	2333.6	2452.3	2498.0	2504.1	2507.1	2534.5
35°	2319.9	2318.4	2294.0	2219.4	2274.2	2534.5	2715.7	2750.7	2758.3	2758.3	2778.1
37.5°	2316.9	2324.5	2351.9	2356.4	2507.1	2832.9	3070.4	3123.7	3123.7	3138.9	3138.9
40°	2316.9	2333.6	2437.1	2560.4	2791.8	3221.1	3549.9	3610.8	3610.8	3627.5	3618.4
42.5°	2406.7	2431.0	2601.5	2836.0	3151.1	3621.4	3999.0	4067.5	4072.0	4067.5	4081.2
45°	2583.3	2604.6	2811.6	3148.0	3521.0	4050.7	4428.2	4510.4	4493.7	4504.3	4508.9
47.5°	2817.7	2851.2	3087.1	3489.0	3881.7	4448.0	4909.3	4983.8	4977.8	4982.3	4962.5
50°	3067.3	3102.3	3365.7	3826.9	4241.0	4767.7	5295.9	5407.0	5396.4	5404.0	5414.6
52.5°	3288.1	3309.4	3563.6	4081.2	4513.5	5066.0	5592.7	5731.3	5755.6	5758.7	5766.3
55°	3419.0	3444.9	3677.8	4207.5	4711.4	5358.3	5932.2	6142.3	6189.5	6201.6	6235.1
57.5°	3464.6	3492.0	3703.6	4225.8	4819.4	5632.3	6405.6	6775.5	6815.1	6880.6	6987.1
60°	3463.1	3492.0	3676.2	4184.7	4929.0	5971.8	7142.4	7762.0	7962.9	8029.9	8182.1
62.5°	3321.6	3355.0	3542.3	4059.8	5069.1	6405.6	8238.4	9191.3	9450.1	9571.9	9736.3
65°	3011.0	3035.4	3210.4	3743.2	5029.5	6833.4	9154.8	10343.7	10579.6	10757.7	11051.5
67°	2735.5	2750.7	2887.7	3368.7	4642.9	6848.6	9444.0	10629.9	10835.4	11024.1	11327.1
67.5°	2665.5	2697.4	2804.0	3254.6	4498.3	6761.8	9424.3	10585.7	10795.8	10992.2	11311.8
70°	2169.2	2214.9	2268.2	2571.1	3536.2	5688.7	8725.5	9821.6	10005.8	10188.4	10634.4
72.5°	1338.1	1420.3	1430.9	1622.7	2301.6	3932.0	7060.2	8282.6	8421.1	8552.0	9008.7
75°	788.5	800.7	838.8	994.0	1350.2	2350.4	4737.2	6152.9	6280.8	6344.7	6702.5
77.5°	439.9	452.1	484.1	618.0	1038.2	1583.1	2758.3	3615.3	3693.0	3773.7	3715.8
80°	182.7	199.4	214.6	249.6	485.6	1249.8	1896.7	2298.6	2348.8	2396.0	2455.4
82.5°	88.3	94.4	115.7	132.4	176.6	513.0	1487.2	1992.6	2052.0	2120.5	2259.0
85°	41.1	45.7	63.9	76.1	85.2	129.4	497.8	969.7	1051.9	1067.1	1094.5
87.5°	3.0	3.0	7.6	10.7	15.2	16.7	51.8	73.1	82.2	74.6	94.4
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: P151099
 CATALOG NUMBER: VWM-E05-LED-E1-SL3-7030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6
2.5°	1546.6	1545.1	1542.0	1542.0	1540.5	1540.5	1540.5	1537.5	1537.5	1537.5	1536.0
5°	1587.7	1586.2	1581.6	1581.6	1578.6	1578.6	1574.0	1572.5	1569.4	1569.4	1567.9
7.5°	1641.0	1639.5	1633.4	1633.4	1628.8	1627.3	1624.2	1619.7	1619.7	1616.6	1613.6
10°	1714.1	1709.5	1708.0	1700.4	1701.9	1698.8	1695.8	1691.2	1688.2	1685.1	1682.1
12.5°	1796.3	1796.3	1788.6	1784.1	1787.1	1784.1	1778.0	1776.5	1771.9	1771.9	1767.3
15°	1873.9	1873.9	1870.8	1864.8	1866.3	1861.7	1860.2	1857.1	1851.1	1852.6	1851.1
17.5°	1940.9	1940.9	1936.3	1933.3	1933.3	1928.7	1930.2	1927.2	1924.1	1922.6	1918.0
20°	1994.1	1994.1	1991.1	1988.1	1989.6	1989.6	1985.0	1985.0	1985.0	1982.0	1982.0
22.5°	2045.9	2047.4	2047.4	2047.4	2048.9	2050.5	2048.9	2052.0	2050.5	2053.5	2053.5
25°	2114.4	2119.0	2122.0	2122.0	2129.6	2131.2	2132.7	2137.2	2137.2	2141.8	2143.3
27.5°	2216.4	2219.4	2231.6	2234.7	2236.2	2248.4	2249.9	2256.0	2262.1	2263.6	2265.1
30°	2356.4	2364.1	2373.2	2379.3	2379.3	2394.5	2400.6	2397.5	2414.3	2418.9	2424.9
32.5°	2543.7	2549.8	2558.9	2565.0	2571.1	2578.7	2580.2	2587.8	2601.5	2613.7	2606.1
35°	2779.6	2794.9	2779.6	2796.4	2800.9	2811.6	2808.6	2817.7	2823.8	2828.3	2826.8
37.5°	3122.1	3114.5	3111.5	3105.4	3094.7	3131.3	3113.0	3111.5	3102.3	3128.2	3111.5
40°	3572.7	3577.3	3581.9	3557.5	3543.8	3543.8	3539.2	3522.5	3514.9	3537.7	3534.7
42.5°	4043.1	4047.7	4026.4	4011.1	3976.1	3971.6	3950.2	3945.7	3938.1	3950.2	3938.1
45°	4470.8	4473.9	4426.7	4434.3	4406.9	4411.5	4378.0	4391.7	4373.4	4385.6	4408.4
47.5°	4948.8	4954.9	4913.8	4930.6	4903.2	4886.4	4884.9	4894.0	4874.2	4886.4	4892.5
50°	5382.7	5375.1	5353.8	5358.3	5346.1	5349.2	5330.9	5347.7	5324.8	5349.2	5346.1
52.5°	5767.8	5758.7	5754.1	5769.3	5758.7	5758.7	5748.0	5755.6	5758.7	5795.2	5802.8
55°	6235.1	6242.7	6250.4	6277.8	6289.9	6270.2	6289.9	6328.0	6329.5	6416.3	6463.5
57.5°	6985.6	7038.9	7066.3	7083.0	7154.6	7147.0	7192.6	7284.0	7293.1	7494.0	7611.3
60°	8294.7	8389.1	8478.9	8430.2	8574.8	8619.0	8646.4	8816.9	8870.2	9060.4	9162.4
62.5°	9947.9	9958.6	10098.6	10054.5	10136.7	10116.9	10150.4	10228.0	10298.0	10454.8	10550.7
65°	11101.8	11152.0	11206.8	11150.5	11149.0	11082.0	11039.4	11037.8	11080.5	11114.0	11220.5
67°	11415.4	11465.6	11479.3	11438.2	11378.8	11293.6	11214.4	11173.3	11145.9	11161.1	11228.1
67.5°	11412.3	11459.5	11476.2	11436.7	11354.5	11282.9	11199.2	11152.0	11115.5	11123.1	11179.4
70°	10763.8	10865.8	10920.6	10932.8	10922.1	10797.3	10725.8	10683.2	10652.7	10578.1	10573.6
72.5°	9119.8	9243.1	9285.7	9354.2	9384.7	9200.5	9122.8	9170.0	9063.5	8827.5	8838.2
75°	6696.4	6705.5	6562.4	6535.0	6433.0	6015.9	5891.1	5776.9	5594.3	5309.6	5041.7
77.5°	3490.5	3489.0	3324.6	3240.9	3119.1	2867.9	2855.7	2651.8	2508.7	2248.4	2154.0
80°	2479.7	2519.3	2574.1	2601.5	2558.9	2461.5	2327.5	2182.9	2017.0	1854.1	1659.3
82.5°	2306.2	2330.6	2359.5	2252.9	2193.6	2056.6	1954.6	1744.5	1627.3	1441.6	1245.2
85°	1121.9	1196.5	1138.6	1071.7	1048.8	820.5	793.1	662.2	601.3	494.7	461.2
87.5°	71.5	88.3	79.2	71.5	62.4	35.0	47.2	33.5	35.0	25.9	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: P151099

CATALOG NUMBER: VWM-E05-LED-E1-SL3-7030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6
2.5°	1536.0	1534.4	1532.9	1531.4	1529.9	1529.9	1528.3	1526.8	1525.3	1522.3	1522.3
5°	1564.9	1564.9	1563.4	1560.3	1560.3	1557.3	1552.7	1551.2	1551.2	1548.1	1545.1
7.5°	1612.1	1610.5	1607.5	1606.0	1602.9	1599.9	1596.8	1593.8	1592.3	1587.7	1586.2
10°	1683.6	1680.6	1673.0	1669.9	1668.4	1665.3	1662.3	1659.3	1654.7	1651.6	1650.1
12.5°	1764.3	1762.8	1756.7	1759.7	1752.1	1749.1	1746.0	1738.4	1741.5	1735.4	1732.3
15°	1845.0	1846.5	1843.4	1843.4	1837.4	1832.8	1829.7	1823.7	1822.1	1819.1	1816.0
17.5°	1916.5	1919.6	1915.0	1911.9	1908.9	1905.9	1899.8	1893.7	1893.7	1887.6	1884.5
20°	1982.0	1985.0	1983.5	1980.4	1975.9	1974.4	1971.3	1966.7	1966.7	1963.7	1959.1
22.5°	2056.6	2058.1	2058.1	2056.6	2052.0	2053.5	2050.5	2045.9	2047.4	2041.3	2041.3
25°	2146.4	2149.4	2152.5	2154.0	2150.9	2152.5	2149.4	2146.4	2144.9	2146.4	2144.9
27.5°	2269.7	2272.7	2281.9	2274.2	2281.9	2283.4	2278.8	2272.7	2277.3	2284.9	2280.3
30°	2432.6	2429.5	2441.7	2443.2	2441.7	2443.2	2440.2	2435.6	2438.6	2452.3	2444.7
32.5°	2615.2	2621.3	2624.4	2627.4	2632.0	2638.1	2633.5	2628.9	2636.5	2632.0	2642.6
35°	2836.0	2849.7	2854.2	2849.7	2852.7	2863.4	2861.8	2863.4	2878.6	2863.4	2883.1
37.5°	3114.5	3128.2	3138.9	3132.8	3140.4	3140.4	3152.6	3186.1	3164.8	3192.2	3213.5
40°	3519.4	3540.8	3542.3	3540.8	3548.4	3557.5	3569.7	3606.2	3581.9	3610.8	3630.6
42.5°	3936.5	3962.4	3971.6	3956.3	3973.1	3992.9	3994.4	4026.4	4027.9	4032.4	4043.1
45°	4406.9	4429.7	4448.0	4440.4	4441.9	4467.8	4461.7	4492.2	4469.3	4469.3	4475.4
47.5°	4907.7	4929.0	4941.2	4953.4	4938.2	4961.0	4971.7	4965.6	4938.2	4932.1	4895.6
50°	5364.4	5382.7	5400.9	5434.4	5432.9	5443.6	5451.2	5423.8	5417.7	5384.2	5343.1
52.5°	5848.5	5895.7	5936.8	6006.8	6017.5	6054.0	6040.3	5994.6	5987.0	5932.2	5877.4
55°	6522.8	6658.3	6717.7	6825.8	6898.8	6897.3	6866.9	6859.3	6801.4	6691.8	6626.4
57.5°	7696.5	7908.1	8010.1	8150.1	8173.0	8159.3	8119.7	8049.7	7949.2	7765.0	7646.3
60°	9390.8	9521.7	9640.4	9673.9	9690.6	9664.8	9526.2	9371.0	9174.6	8920.4	8708.8
62.5°	10671.0	10804.9	10893.2	10879.5	10774.5	10642.1	10439.6	10179.3	9903.8	9619.1	9302.5
65°	11322.5	11378.8	11365.1	11258.6	11078.9	10847.6	10552.2	10231.0	9906.8	9570.4	9241.6
67°	11287.5	11289.0	11196.2	10989.1	10759.3	10468.5	10107.7	9757.6	9377.1	9023.9	8632.7
67.5°	11225.1	11219.0	11089.6	10862.8	10614.7	10314.8	9940.3	9578.0	9183.7	8827.5	8422.6
70°	10518.8	10433.5	10141.2	9778.9	9433.4	9028.5	8635.7	8220.2	7775.7	7469.7	7003.9
72.5°	8643.3	8355.6	7851.8	7472.7	7102.8	6573.1	6328.0	5812.0	5499.9	5305.0	4953.4
75°	5005.2	4764.6	4374.9	4020.3	3840.6	3527.1	3377.9	2998.8	2919.7	2916.6	2794.9
77.5°	1910.4	1666.9	1415.7	1140.2	969.7	770.3	678.9	607.4	552.6	590.6	535.8
80°	1432.4	1178.2	921.0	669.8	478.0	353.2	302.9	280.1	266.4	255.7	248.1
82.5°	1067.1	841.8	653.0	426.2	298.4	225.3	194.8	182.7	176.6	165.9	156.8
85°	360.8	289.2	228.3	158.3	124.8	102.0	94.4	91.3	86.8	79.2	74.6
87.5°	19.8	18.3	19.8	15.2	18.3	15.2	16.7	16.7	16.7	15.2	15.2
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: P151099

CATALOG NUMBER: VWM-E05-LED-E1-SL3-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6	1514.6
2.5°	1520.7	1520.7	1520.7	1517.7	1513.1	1504.0	1494.9	1487.2	1479.6	1475.1	1472.0
5°	1543.6	1540.5	1539.0	1537.5	1526.8	1508.6	1491.8	1476.6	1461.4	1449.2	1444.6
7.5°	1584.7	1578.6	1577.1	1572.5	1558.8	1531.4	1507.0	1482.7	1461.4	1444.6	1437.0
10°	1647.1	1647.1	1637.9	1631.9	1616.6	1580.1	1545.1	1513.1	1484.2	1465.9	1461.4
12.5°	1726.2	1726.2	1718.6	1714.1	1695.8	1648.6	1606.0	1567.9	1540.5	1522.3	1520.7
15°	1808.4	1806.9	1800.8	1794.7	1774.9	1724.7	1682.1	1648.6	1625.8	1604.5	1598.4
17.5°	1881.5	1881.5	1873.9	1867.8	1848.0	1805.4	1767.3	1743.0	1717.1	1673.0	1639.5
20°	1954.6	1956.1	1950.0	1943.9	1927.2	1890.6	1873.9	1849.5	1791.7	1695.8	1616.6
22.5°	2035.2	2041.3	2033.7	2027.6	2013.9	1998.7	1992.6	1934.8	1813.0	1659.3	1543.6
25°	2138.8	2149.4	2140.3	2137.2	2129.6	2134.2	2115.9	1982.0	1782.6	1580.1	1435.5
27.5°	2280.3	2280.3	2281.9	2281.9	2278.8	2295.6	2228.6	1983.5	1715.6	1478.1	1306.1
30°	2446.3	2455.4	2452.3	2452.3	2464.5	2475.2	2291.0	1950.0	1630.3	1351.8	1147.8
32.5°	2645.7	2653.3	2656.3	2642.6	2691.3	2636.5	2313.8	1889.1	1525.3	1195.0	959.0
35°	2886.2	2896.8	2904.5	2906.0	2937.9	2776.6	2301.6	1799.3	1374.6	998.6	752.0
37.5°	3199.8	3221.1	3237.8	3245.4	3247.0	2895.3	2268.2	1680.6	1178.2	779.4	560.2
40°	3616.9	3639.7	3635.1	3650.4	3563.6	2965.3	2192.0	1508.6	934.7	572.4	432.3
42.5°	4018.7	4021.8	4027.9	4014.2	3837.6	3001.9	2085.5	1298.5	700.2	427.8	369.9
45°	4467.8	4441.9	4413.0	4391.7	4090.3	3015.6	1939.3	1042.7	494.7	359.3	342.5
47.5°	4889.5	4854.5	4795.1	4734.2	4315.6	2994.3	1752.1	780.9	376.0	328.8	324.2
50°	5303.5	5238.1	5154.3	5084.3	4531.7	2962.3	1545.1	563.2	328.8	313.6	309.0
52.5°	5816.5	5706.9	5597.3	5506.0	4813.4	2912.1	1327.4	427.8	309.0	301.4	295.3
55°	6519.8	6367.6	6191.0	6063.1	5195.4	2836.0	1099.1	362.3	299.9	293.8	284.7
57.5°	7494.0	7265.7	7066.3	6857.7	5717.6	2758.3	902.7	336.4	298.4	289.2	277.0
60°	8489.6	8215.6	7961.4	7663.0	6250.4	2680.7	765.7	333.4	302.9	289.2	271.0
62.5°	9007.2	8724.0	8418.0	8115.1	6480.2	2498.0	671.3	337.9	313.6	293.8	271.0
65°	8888.4	8542.9	8232.3	7923.3	6213.8	2152.5	567.8	344.0	334.9	312.1	275.5
67°	8291.7	7930.9	7632.6	7337.2	5620.1	1802.3	487.1	350.1	357.7	333.4	284.7
67.5°	8081.6	7720.9	7427.1	7139.4	5445.1	1729.3	467.3	353.2	362.3	339.5	287.7
70°	6700.9	6436.1	6124.0	5901.8	4408.4	1280.2	383.6	359.3	389.7	374.5	301.4
72.5°	4822.5	4569.8	4335.4	4212.1	3247.0	895.1	322.7	353.2	406.4	394.3	307.5
75°	2563.5	2548.2	2463.0	2523.9	2009.4	584.5	284.7	330.3	388.2	360.8	286.2
77.5°	517.6	532.8	625.6	616.5	648.5	325.8	243.6	283.1	299.9	264.9	232.9
80°	240.5	235.9	231.4	234.4	229.9	208.5	197.9	222.2	208.5	170.5	155.3
82.5°	149.2	146.1	141.6	140.0	155.3	165.9	173.5	175.1	138.5	118.7	114.2
85°	71.5	71.5	70.0	73.1	91.3	135.5	146.1	129.4	92.9	85.2	80.7
87.5°	13.7	13.7	15.2	13.7	18.3	32.0	36.5	42.6	35.0	36.5	41.1
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: P151099

CATALOG NUMBER: VWM-E05-LED-E1-SL3-7030

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1514.6	1514.6	1514.6
2.5°	1469.0	1465.9	1465.9
5°	1438.5	1437.0	1437.0
7.5°	1430.9	1432.4	1430.9
10°	1459.8	1458.3	1464.4
12.5°	1523.8	1528.3	1526.8
15°	1590.8	1593.8	1593.8
17.5°	1610.5	1599.9	1598.4
20°	1558.8	1539.0	1534.4
22.5°	1461.4	1424.8	1426.3
25°	1338.1	1293.9	1297.0
27.5°	1195.0	1147.8	1146.3
30°	1023.0	971.2	945.3
32.5°	815.9	753.5	753.5
35°	613.5	563.2	545.0
37.5°	465.8	436.9	427.8
40°	388.2	374.5	371.4
42.5°	353.2	348.6	347.1
45°	334.9	331.9	330.3
47.5°	318.2	316.6	315.1
50°	306.0	304.5	302.9
52.5°	295.3	292.3	290.7
55°	280.1	280.1	280.1
57.5°	271.0	271.0	269.4
60°	261.8	260.3	260.3
62.5°	254.2	251.2	252.7
65°	249.6	245.1	245.1
67°	246.6	237.5	237.5
67.5°	246.6	234.4	234.4
70°	242.0	222.2	219.2
72.5°	237.5	208.5	204.0
75°	225.3	197.9	193.3
77.5°	193.3	176.6	173.5
80°	149.2	129.4	132.4
82.5°	108.1	92.9	91.3
85°	77.6	67.0	67.0
87.5°	41.1	35.0	36.5
90°	0.0	0.0	0.0

(END OF REPORT)