

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: P151100

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P151100
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
Description: VISION WALL MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (105) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15180.8 lumens
Efficiency: N/A
Efficacy: 119.3 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 - G3

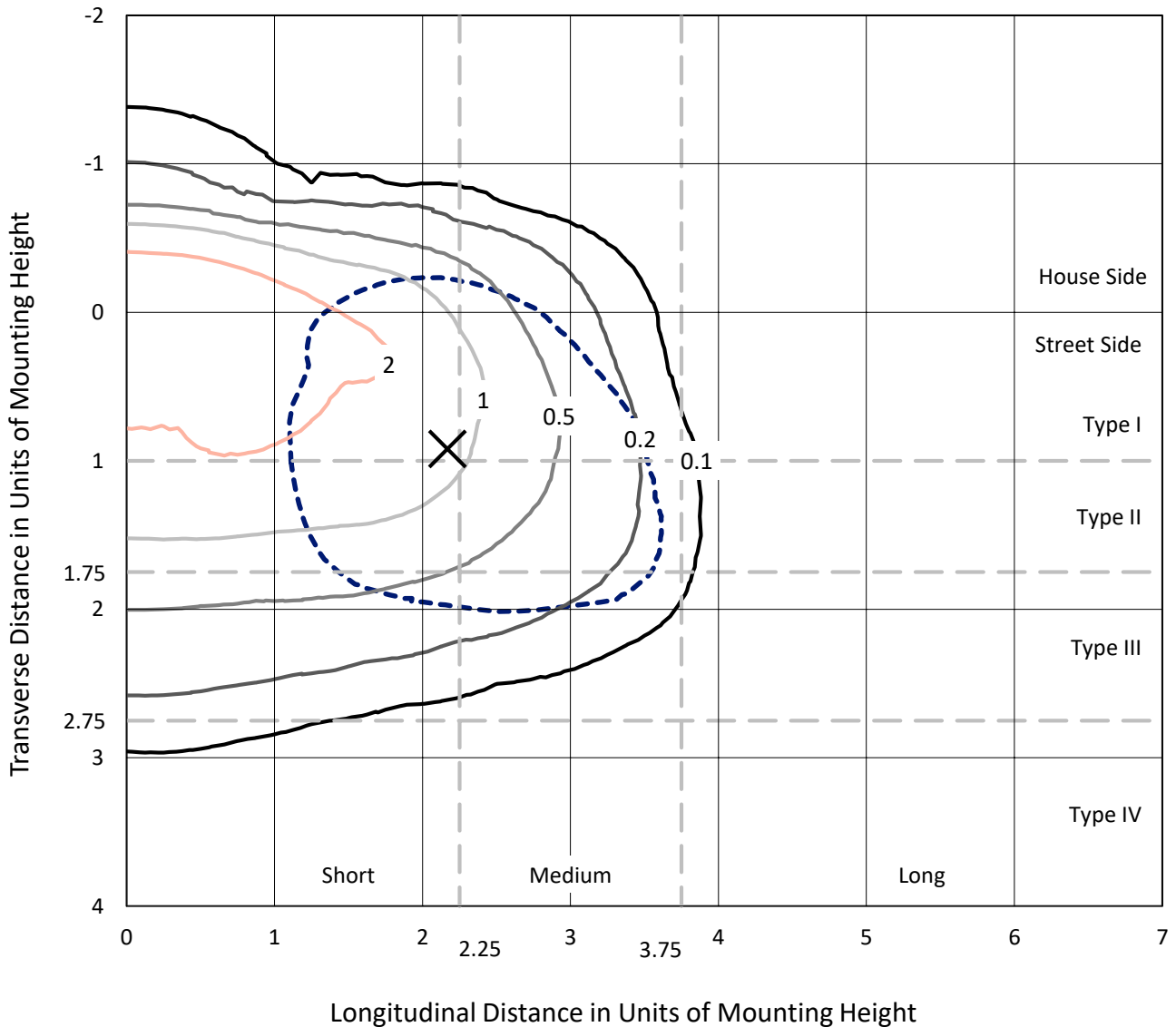
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

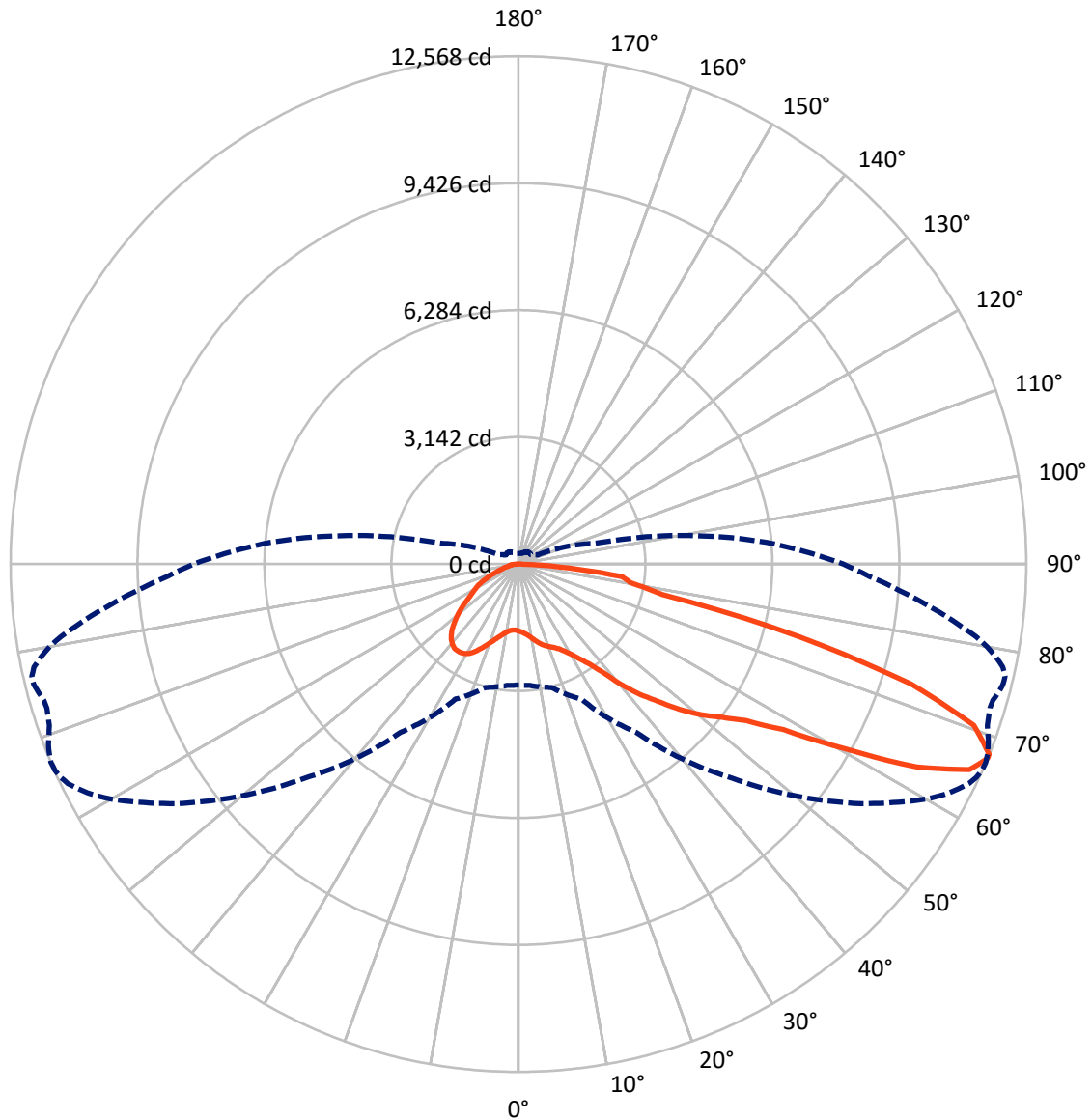
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type III - Short - Semi-Cutoff

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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	3503.2	0.0	3503.2
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	11677.6	0.0	11677.6
	% Fixture	76.9	0.0	76.9
Total	Lumens	15180.8	0.0	15180.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.1	1.1
10°-20°	566.1	3.7
20°-30°	999.7	6.6
30°-40°	1434.9	9.5
40°-50°	2179.2	14.4
50°-60°	3208.6	21.1
60°-70°	4264.1	28.1
70°-80°	2086.1	13.7
80°-90°	277.0	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°	15180.8	100.0
0°-180°	15180.8	100.0



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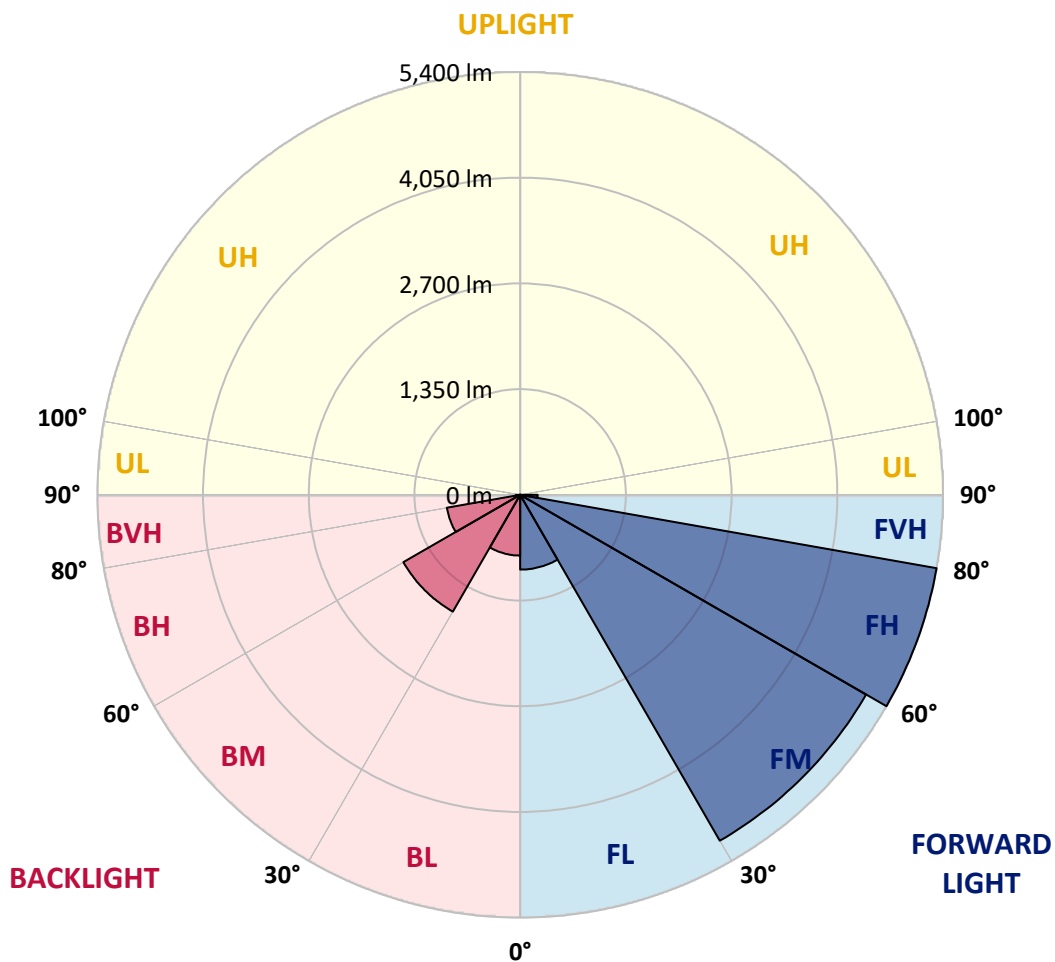
CATALOG NUMBER: VWM-E05-LED-E1-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	955.0	6.3			
FM	(30°-60°)	5100.4	33.6			
FH	(60°-80°)	5399.7	35.6			G3/7500
FVH	(80°-90°)	222.5	1.5			G2/225
BL	(0°-30°)	775.9	5.1	B2/1000		
BM	(30°-60°)	1722.3	11.3	B2/2500		
BH	(60°-80°)	950.5	6.3	B2/1000		G2/1000
BVH	(80°-90°)	54.5	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3
2.5°	1736.7	1738.3	1735.0	1733.3	1723.3	1713.3	1706.7	1698.3	1698.3	1698.3	1695.0
5°	1835.0	1828.3	1833.3	1821.7	1801.7	1783.3	1765.0	1750.0	1746.7	1746.7	1740.0
7.5°	1953.3	1945.0	1941.7	1925.0	1895.0	1868.3	1831.7	1816.7	1808.3	1805.0	1801.7
10°	2096.7	2096.7	2075.0	2046.7	2006.7	1960.0	1920.0	1893.3	1891.7	1891.7	1876.7
12.5°	2243.3	2246.7	2218.3	2190.0	2125.0	2063.3	2016.7	1986.7	1985.0	1978.3	1970.0
15°	2378.3	2370.0	2351.7	2310.0	2238.3	2165.0	2106.7	2076.7	2070.0	2063.3	2058.3
17.5°	2490.0	2481.7	2458.3	2405.0	2330.0	2243.3	2171.7	2140.0	2136.7	2133.3	2126.7
20°	2560.0	2553.3	2520.0	2458.3	2380.0	2291.7	2215.0	2193.3	2186.7	2186.7	2183.3
22.5°	2600.0	2590.0	2541.7	2460.0	2383.3	2318.3	2255.0	2241.7	2236.7	2238.3	2238.3
25°	2620.0	2611.7	2543.3	2426.7	2353.3	2335.0	2308.3	2300.0	2301.7	2303.3	2306.7
27.5°	2623.3	2611.7	2531.7	2383.3	2315.0	2366.7	2385.0	2398.3	2398.3	2405.0	2416.7
30°	2598.3	2585.0	2508.3	2350.0	2298.3	2430.0	2503.3	2538.3	2551.7	2548.3	2575.0
32.5°	2555.0	2546.7	2485.0	2350.0	2345.0	2555.0	2685.0	2735.0	2741.7	2745.0	2775.0
35°	2540.0	2538.3	2511.7	2430.0	2490.0	2775.0	2973.3	3011.7	3020.0	3020.0	3041.7
37.5°	2536.7	2545.0	2575.0	2580.0	2745.0	3101.7	3361.7	3420.0	3420.0	3436.7	3436.7
40°	2536.7	2555.0	2668.3	2803.3	3056.7	3526.7	3886.7	3953.3	3953.3	3971.7	3961.7
42.5°	2635.0	2661.7	2848.3	3105.0	3450.0	3965.0	4378.3	4453.3	4458.3	4453.3	4468.3
45°	2828.3	2851.7	3078.3	3446.7	3855.0	4435.0	4848.3	4938.3	4920.0	4931.7	4936.7
47.5°	3085.0	3121.7	3380.0	3820.0	4250.0	4870.0	5375.0	5456.7	5450.0	5455.0	5433.3
50°	3358.3	3396.7	3685.0	4190.0	4643.3	5220.0	5798.3	5920.0	5908.3	5916.7	5928.3
52.5°	3600.0	3623.3	3901.7	4468.3	4941.7	5546.7	6123.3	6275.0	6301.7	6305.0	6313.3
55°	3743.3	3771.7	4026.7	4606.7	5158.3	5866.7	6495.0	6725.0	6776.7	6790.0	6826.7
57.5°	3793.3	3823.3	4055.0	4626.7	5276.7	6166.7	7013.3	7418.3	7461.7	7533.3	7650.0
60°	3791.7	3823.3	4025.0	4581.7	5396.7	6538.3	7820.0	8498.3	8718.3	8791.7	8958.3
62.5°	3636.7	3673.3	3878.3	4445.0	5550.0	7013.3	9020.0	10063.3	10346.7	10480.0	10660.0
65°	3296.7	3323.3	3515.0	4098.3	5506.7	7481.7	10023.3	11325.0	11583.3	11778.3	12100.0
67°	2995.0	3011.7	3161.7	3688.3	5083.3	7498.3	10340.0	11638.3	11863.3	12070.0	12401.7
67.5°	2918.3	2953.3	3070.0	3563.3	4925.0	7403.3	10318.3	11590.0	11820.0	12035.0	12385.0
70°	2375.0	2425.0	2483.3	2815.0	3871.7	6228.3	9553.3	10753.3	10955.0	11155.0	11643.3
72.5°	1465.0	1555.0	1566.7	1776.7	2520.0	4305.0	7730.0	9068.3	9220.0	9363.3	9863.3
75°	863.3	876.7	918.3	1088.3	1478.3	2573.3	5186.7	6736.7	6876.7	6946.7	7338.3
77.5°	481.7	495.0	530.0	676.7	1136.7	1733.3	3020.0	3958.3	4043.3	4131.7	4068.3
80°	200.0	218.3	235.0	273.3	531.7	1368.3	2076.7	2516.7	2571.7	2623.3	2688.3
82.5°	96.7	103.3	126.7	145.0	193.3	561.7	1628.3	2181.7	2246.7	2321.7	2473.3
85°	45.0	50.0	70.0	83.3	93.3	141.7	545.0	1061.7	1151.7	1168.3	1198.3
87.5°	3.3	3.3	8.3	11.7	16.7	18.3	56.7	80.0	90.0	81.7	103.3
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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CATALOG NUMBER: VWM-E05-LED-E1-SL3

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3
2.5°	1693.3	1691.7	1688.3	1688.3	1686.7	1686.7	1686.7	1683.3	1683.3	1683.3	1681.7
5°	1738.3	1736.7	1731.7	1731.7	1728.3	1728.3	1723.3	1721.7	1718.3	1718.3	1716.7
7.5°	1796.7	1795.0	1788.3	1788.3	1783.3	1781.7	1778.3	1773.3	1773.3	1770.0	1766.7
10°	1876.7	1871.7	1870.0	1861.7	1863.3	1860.0	1856.7	1851.7	1848.3	1845.0	1841.7
12.5°	1966.7	1966.7	1958.3	1953.3	1956.7	1953.3	1946.7	1945.0	1940.0	1940.0	1935.0
15°	2051.7	2051.7	2048.3	2041.7	2043.3	2038.3	2036.7	2033.3	2026.7	2028.3	2026.7
17.5°	2125.0	2125.0	2120.0	2116.7	2116.7	2111.7	2113.3	2110.0	2106.7	2105.0	2100.0
20°	2183.3	2183.3	2180.0	2176.7	2178.3	2178.3	2173.3	2173.3	2173.3	2170.0	2170.0
22.5°	2240.0	2241.7	2241.7	2241.7	2243.3	2245.0	2243.3	2246.7	2245.0	2248.3	2248.3
25°	2315.0	2320.0	2323.3	2323.3	2331.7	2333.3	2335.0	2340.0	2340.0	2345.0	2346.7
27.5°	2426.7	2430.0	2443.3	2446.7	2448.3	2461.7	2463.3	2470.0	2476.7	2478.3	2480.0
30°	2580.0	2588.3	2598.3	2605.0	2605.0	2621.7	2628.3	2625.0	2643.3	2648.3	2655.0
32.5°	2785.0	2791.7	2801.7	2808.3	2815.0	2823.3	2825.0	2833.3	2848.3	2861.7	2853.3
35°	3043.3	3060.0	3043.3	3061.7	3066.7	3078.3	3075.0	3085.0	3091.7	3096.7	3095.0
37.5°	3418.3	3410.0	3406.7	3400.0	3388.3	3428.3	3408.3	3406.7	3396.7	3425.0	3406.7
40°	3911.7	3916.7	3921.7	3895.0	3880.0	3880.0	3875.0	3856.7	3848.3	3873.3	3870.0
42.5°	4426.7	4431.7	4408.3	4391.7	4353.3	4348.3	4325.0	4320.0	4311.7	4325.0	4311.7
45°	4895.0	4898.3	4846.7	4855.0	4825.0	4830.0	4793.3	4808.3	4788.3	4801.7	4826.7
47.5°	5418.3	5425.0	5380.0	5398.3	5368.3	5350.0	5348.3	5358.3	5336.7	5350.0	5356.7
50°	5893.3	5885.0	5861.7	5866.7	5853.3	5856.7	5836.7	5855.0	5830.0	5856.7	5853.3
52.5°	6315.0	6305.0	6300.0	6316.7	6305.0	6305.0	6293.3	6301.7	6305.0	6345.0	6353.3
55°	6826.7	6835.0	6843.3	6873.3	6886.7	6865.0	6886.7	6928.3	6930.0	7025.0	7076.7
57.5°	7648.3	7706.7	7736.7	7755.0	7833.3	7825.0	7875.0	7975.0	7985.0	8205.0	8333.3
60°	9081.7	9185.0	9283.3	9230.0	9388.3	9436.7	9466.7	9653.3	9711.7	9920.0	10031.7
62.5°	10891.7	10903.3	11056.7	11008.3	11098.3	11076.7	11113.3	11198.3	11275.0	11446.7	11551.7
65°	12155.0	12210.0	12270.0	12208.3	12206.7	12133.3	12086.7	12085.0	12131.7	12168.3	12285.0
67°	12498.3	12553.3	12568.3	12523.3	12458.3	12365.0	12278.3	12233.3	12203.3	12220.0	12293.3
67.5°	12495.0	12546.7	12565.0	12521.7	12431.7	12353.3	12261.7	12210.0	12170.0	12178.3	12240.0
70°	11785.0	11896.7	11956.7	11970.0	11958.3	11821.7	11743.3	11696.7	11663.3	11581.7	11576.7
72.5°	9985.0	10120.0	10166.7	10241.7	10275.0	10073.3	9988.3	10040.0	9923.3	9665.0	9676.7
75°	7331.7	7341.7	7185.0	7155.0	7043.3	6586.7	6450.0	6325.0	6125.0	5813.3	5520.0
77.5°	3821.7	3820.0	3640.0	3548.3	3415.0	3140.0	3126.7	2903.3	2746.7	2461.7	2358.3
80°	2715.0	2758.3	2818.3	2848.3	2801.7	2695.0	2548.3	2390.0	2208.3	2030.0	1816.7
82.5°	2525.0	2551.7	2583.3	2466.7	2401.7	2251.7	2140.0	1910.0	1781.7	1578.3	1363.3
85°	1228.3	1310.0	1246.7	1173.3	1148.3	898.3	868.3	725.0	658.3	541.7	505.0
87.5°	78.3	96.7	86.7	78.3	68.3	38.3	51.7	36.7	38.3	28.3	25.0
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3
2.5°	1681.7	1680.0	1678.3	1676.7	1675.0	1675.0	1673.3	1671.7	1670.0	1666.7	1666.7
5°	1713.3	1713.3	1711.7	1708.3	1708.3	1705.0	1700.0	1698.3	1698.3	1695.0	1691.7
7.5°	1765.0	1763.3	1760.0	1758.3	1755.0	1751.7	1748.3	1745.0	1743.3	1738.3	1736.7
10°	1843.3	1840.0	1831.7	1828.3	1826.7	1823.3	1820.0	1816.7	1811.7	1808.3	1806.7
12.5°	1931.7	1930.0	1923.3	1926.7	1918.3	1915.0	1911.7	1903.3	1906.7	1900.0	1896.7
15°	2020.0	2021.7	2018.3	2018.3	2011.7	2006.7	2003.3	1996.7	1995.0	1991.7	1988.3
17.5°	2098.3	2101.7	2096.7	2093.3	2090.0	2086.7	2080.0	2073.3	2073.3	2066.7	2063.3
20°	2170.0	2173.3	2171.7	2168.3	2163.3	2161.7	2158.3	2153.3	2153.3	2150.0	2145.0
22.5°	2251.7	2253.3	2253.3	2251.7	2246.7	2248.3	2245.0	2240.0	2241.7	2235.0	2235.0
25°	2350.0	2353.3	2356.7	2358.3	2355.0	2356.7	2353.3	2350.0	2348.3	2350.0	2348.3
27.5°	2485.0	2488.3	2498.3	2490.0	2498.3	2500.0	2495.0	2488.3	2493.3	2501.7	2496.7
30°	2663.3	2660.0	2673.3	2675.0	2673.3	2675.0	2671.7	2666.7	2670.0	2685.0	2676.7
32.5°	2863.3	2870.0	2873.3	2876.7	2881.7	2888.3	2883.3	2878.3	2886.7	2881.7	2893.3
35°	3105.0	3120.0	3125.0	3120.0	3123.3	3135.0	3133.3	3135.0	3151.7	3135.0	3156.7
37.5°	3410.0	3425.0	3436.7	3430.0	3438.3	3438.3	3451.7	3488.3	3465.0	3495.0	3518.3
40°	3853.3	3876.7	3878.3	3876.7	3885.0	3895.0	3908.3	3948.3	3921.7	3953.3	3975.0
42.5°	4310.0	4338.3	4348.3	4331.7	4350.0	4371.7	4373.3	4408.3	4410.0	4415.0	4426.7
45°	4825.0	4850.0	4870.0	4861.7	4863.3	4891.7	4885.0	4918.3	4893.3	4893.3	4900.0
47.5°	5373.3	5396.7	5410.0	5423.3	5406.7	5431.7	5443.3	5436.7	5406.7	5400.0	5360.0
50°	5873.3	5893.3	5913.3	5950.0	5948.3	5960.0	5968.3	5938.3	5931.7	5895.0	5850.0
52.5°	6403.3	6455.0	6500.0	6576.7	6588.3	6628.3	6613.3	6563.3	6555.0	6495.0	6435.0
55°	7141.7	7290.0	7355.0	7473.3	7553.3	7551.7	7518.3	7510.0	7446.7	7326.7	7255.0
57.5°	8426.7	8658.3	8770.0	8923.3	8948.3	8933.3	8890.0	8813.3	8703.3	8501.7	8371.7
60°	10281.7	10425.0	10555.0	10591.7	10610.0	10581.7	10430.0	10260.0	10045.0	9766.7	9535.0
62.5°	11683.3	11830.0	11926.7	11911.7	11796.7	11651.7	11430.0	11145.0	10843.3	10531.7	10185.0
65°	12396.7	12458.3	12443.3	12326.7	12130.0	11876.7	11553.3	11201.7	10846.7	10478.3	10118.3
67°	12358.3	12360.0	12258.3	12031.7	11780.0	11461.7	11066.7	10683.3	10266.7	9880.0	9451.7
67.5°	12290.0	12283.3	12141.7	11893.3	11621.7	11293.3	10883.3	10486.7	10055.0	9665.0	9221.7
70°	11516.7	11423.3	11103.3	10706.7	10328.3	9885.0	9455.0	9000.0	8513.3	8178.3	7668.3
72.5°	9463.3	9148.3	8596.7	8181.7	7776.7	7196.7	6928.3	6363.3	6021.7	5808.3	5423.3
75°	5480.0	5216.7	4790.0	4401.7	4205.0	3861.7	3698.3	3283.3	3196.7	3193.3	3060.0
77.5°	2091.7	1825.0	1550.0	1248.3	1061.7	843.3	743.3	665.0	605.0	646.7	586.7
80°	1568.3	1290.0	1008.3	733.3	523.3	386.7	331.7	306.7	291.7	280.0	271.7
82.5°	1168.3	921.7	715.0	466.7	326.7	246.7	213.3	200.0	193.3	181.7	171.7
85°	395.0	316.7	250.0	173.3	136.7	111.7	103.3	100.0	95.0	86.7	81.7
87.5°	21.7	20.0	21.7	16.7	20.0	16.7	18.3	18.3	18.3	16.7	16.7
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3	1658.3
2.5°	1665.0	1665.0	1665.0	1661.7	1656.7	1646.7	1636.7	1628.3	1620.0	1615.0	1611.7
5°	1690.0	1686.7	1685.0	1683.3	1671.7	1651.7	1633.3	1616.7	1600.0	1586.7	1581.7
7.5°	1735.0	1728.3	1726.7	1721.7	1706.7	1676.7	1650.0	1623.3	1600.0	1581.7	1573.3
10°	1803.3	1803.3	1793.3	1786.7	1770.0	1730.0	1691.7	1656.7	1625.0	1605.0	1600.0
12.5°	1890.0	1890.0	1881.7	1876.7	1856.7	1805.0	1758.3	1716.7	1686.7	1666.7	1665.0
15°	1980.0	1978.3	1971.7	1965.0	1943.3	1888.3	1841.7	1805.0	1780.0	1756.7	1750.0
17.5°	2060.0	2060.0	2051.7	2045.0	2023.3	1976.7	1935.0	1908.3	1880.0	1831.7	1795.0
20°	2140.0	2141.7	2135.0	2128.3	2110.0	2070.0	2051.7	2025.0	1961.7	1856.7	1770.0
22.5°	2228.3	2235.0	2226.7	2220.0	2205.0	2188.3	2181.7	2118.3	1985.0	1816.7	1690.0
25°	2341.7	2353.3	2343.3	2340.0	2331.7	2336.7	2316.7	2170.0	1951.7	1730.0	1571.7
27.5°	2496.7	2496.7	2498.3	2498.3	2495.0	2513.3	2440.0	2171.7	1878.3	1618.3	1430.0
30°	2678.3	2688.3	2685.0	2685.0	2698.3	2710.0	2508.3	2135.0	1785.0	1480.0	1256.7
32.5°	2896.7	2905.0	2908.3	2893.3	2946.7	2886.7	2533.3	2068.3	1670.0	1308.3	1050.0
35°	3160.0	3171.7	3180.0	3181.7	3216.7	3040.0	2520.0	1970.0	1505.0	1093.3	823.3
37.5°	3503.3	3526.7	3545.0	3553.3	3555.0	3170.0	2483.3	1840.0	1290.0	853.3	613.3
40°	3960.0	3985.0	3980.0	3996.7	3901.7	3246.7	2400.0	1651.7	1023.3	626.7	473.3
42.5°	4400.0	4403.3	4410.0	4395.0	4201.7	3286.7	2283.3	1421.7	766.7	468.3	405.0
45°	4891.7	4863.3	4831.7	4808.3	4478.3	3301.7	2123.3	1141.7	541.7	393.3	375.0
47.5°	5353.3	5315.0	5250.0	5183.3	4725.0	3278.3	1918.3	855.0	411.7	360.0	355.0
50°	5806.7	5735.0	5643.3	5566.7	4961.7	3243.3	1691.7	616.7	360.0	343.3	338.3
52.5°	6368.3	6248.3	6128.3	6028.3	5270.0	3188.3	1453.3	468.3	338.3	330.0	323.3
55°	7138.3	6971.7	6778.3	6638.3	5688.3	3105.0	1203.3	396.7	328.3	321.7	311.7
57.5°	8205.0	7955.0	7736.7	7508.3	6260.0	3020.0	988.3	368.3	326.7	316.7	303.3
60°	9295.0	8995.0	8716.7	8390.0	6843.3	2935.0	838.3	365.0	331.7	316.7	296.7
62.5°	9861.7	9551.7	9216.7	8885.0	7095.0	2735.0	735.0	370.0	343.3	321.7	296.7
65°	9731.7	9353.3	9013.3	8675.0	6803.3	2356.7	621.7	376.7	366.7	341.7	301.7
67°	9078.3	8683.3	8356.7	8033.3	6153.3	1973.3	533.3	383.3	391.7	365.0	311.7
67.5°	8848.3	8453.3	8131.7	7816.7	5961.7	1893.3	511.7	386.7	396.7	371.7	315.0
70°	7336.7	7046.7	6705.0	6461.7	4826.7	1401.7	420.0	393.3	426.7	410.0	330.0
72.5°	5280.0	5003.3	4746.7	4611.7	3555.0	980.0	353.3	386.7	445.0	431.7	336.7
75°	2806.7	2790.0	2696.7	2763.3	2200.0	640.0	311.7	361.7	425.0	395.0	313.3
77.5°	566.7	583.3	685.0	675.0	710.0	356.7	266.7	310.0	328.3	290.0	255.0
80°	263.3	258.3	253.3	256.7	251.7	228.3	216.7	243.3	228.3	186.7	170.0
82.5°	163.3	160.0	155.0	153.3	170.0	181.7	190.0	191.7	151.7	130.0	125.0
85°	78.3	78.3	76.7	80.0	100.0	148.3	160.0	141.7	101.7	93.3	88.3
87.5°	15.0	15.0	16.7	15.0	20.0	35.0	40.0	46.7	38.3	40.0	45.0
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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CATALOG NUMBER: VWM-E05-LED-E1-SL3

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1658.3	1658.3	1658.3
2.5°	1608.3	1605.0	1605.0
5°	1575.0	1573.3	1573.3
7.5°	1566.7	1568.3	1566.7
10°	1598.3	1596.7	1603.3
12.5°	1668.3	1673.3	1671.7
15°	1741.7	1745.0	1745.0
17.5°	1763.3	1751.7	1750.0
20°	1706.7	1685.0	1680.0
22.5°	1600.0	1560.0	1561.7
25°	1465.0	1416.7	1420.0
27.5°	1308.3	1256.7	1255.0
30°	1120.0	1063.3	1035.0
32.5°	893.3	825.0	825.0
35°	671.7	616.7	596.7
37.5°	510.0	478.3	468.3
40°	425.0	410.0	406.7
42.5°	386.7	381.7	380.0
45°	366.7	363.3	361.7
47.5°	348.3	346.7	345.0
50°	335.0	333.3	331.7
52.5°	323.3	320.0	318.3
55°	306.7	306.7	306.7
57.5°	296.7	296.7	295.0
60°	286.7	285.0	285.0
62.5°	278.3	275.0	276.7
65°	273.3	268.3	268.3
67°	270.0	260.0	260.0
67.5°	270.0	256.7	256.7
70°	265.0	243.3	240.0
72.5°	260.0	228.3	223.3
75°	246.7	216.7	211.7
77.5°	211.7	193.3	190.0
80°	163.3	141.7	145.0
82.5°	118.3	101.7	100.0
85°	85.0	73.3	73.3
87.5°	45.0	38.3	40.0
90°	0.0	0.0	0.0

(END OF REPORT)