

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: P150533

Luminaire Tested: **VWM-F05-LED-E1-SL3-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P150533
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VWM-F05-LED-E1-SL3-HSS-8030
Description: VISION WALL MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (35) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6040.1 lumens
Efficiency: N/A
Efficacy: 45.3 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

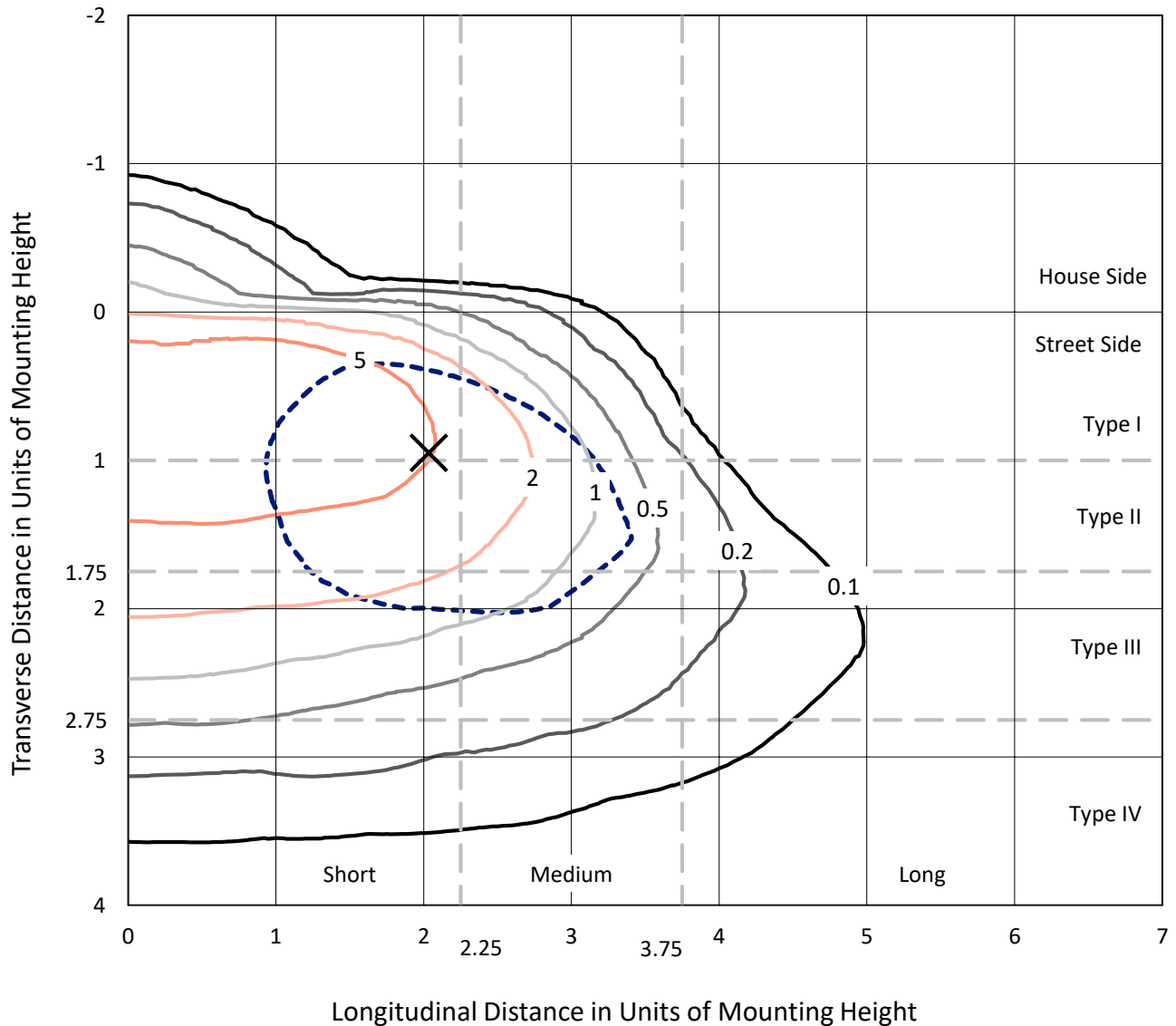
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

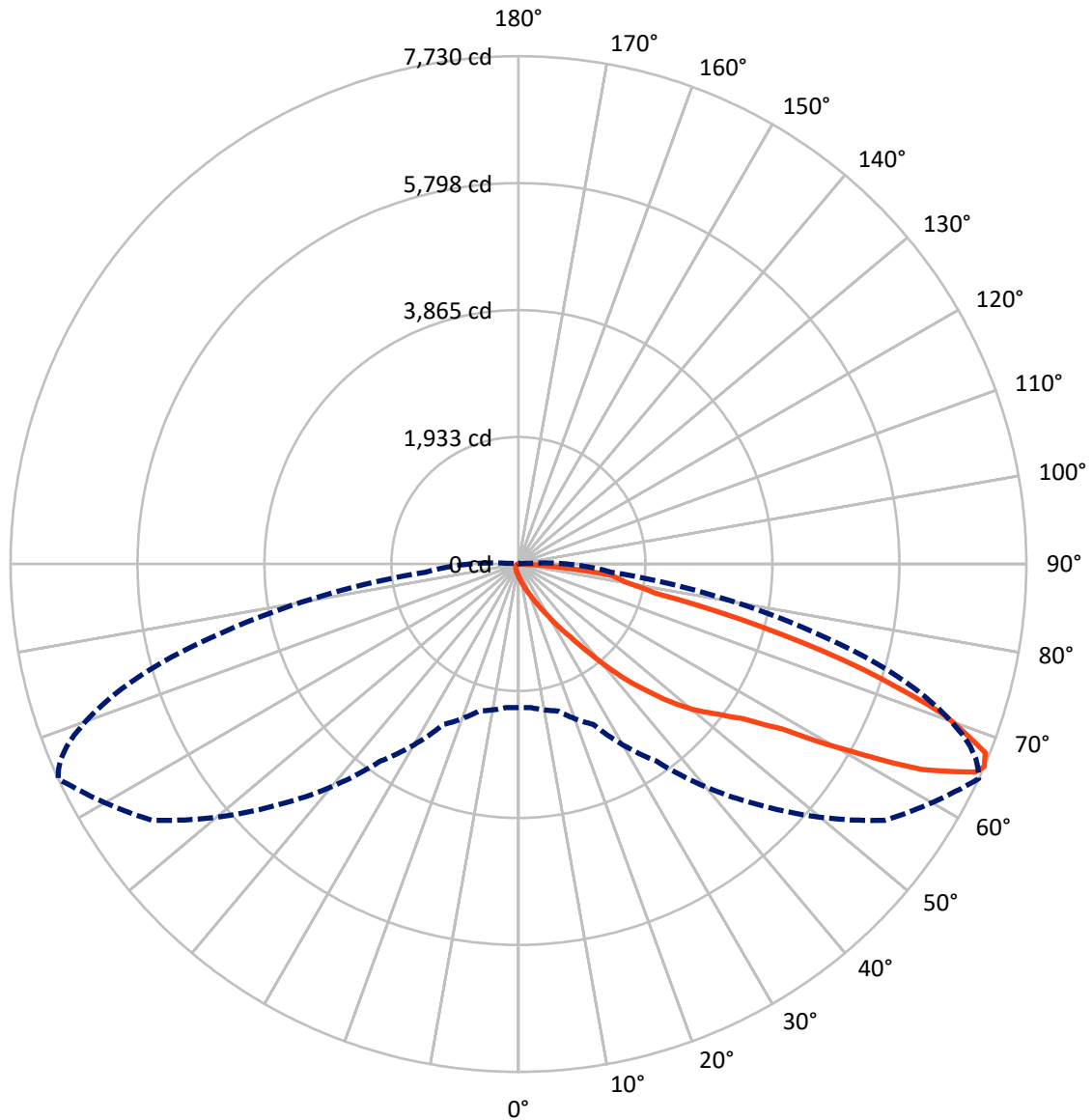
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 130.9 | 0.0 | 130.9 |
| | % Fixture | 2.2 | 0.0 | 2.2 |
| Street Side | Lumens | 5909.2 | 0.0 | 5909.2 |
| | % Fixture | 97.8 | 0.0 | 97.8 |
| Total | Lumens | 6040.1 | 0.0 | 6040.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 20.4 | 0.3 |
| 10°-20° | 86.5 | 1.4 |
| 20°-30° | 186.6 | 3.1 |
| 30°-40° | 398.6 | 6.6 |
| 40°-50° | 881.5 | 14.6 |
| 50°-60° | 1493.8 | 24.7 |
| 60°-70° | 1993.4 | 33.0 |
| 70°-80° | 878.1 | 14.5 |
| 80°-90° | 101.1 | 1.7 |
| 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° | 6040.1 | 100.0 |
| 0°-180° | 6040.1 | 100.0 |



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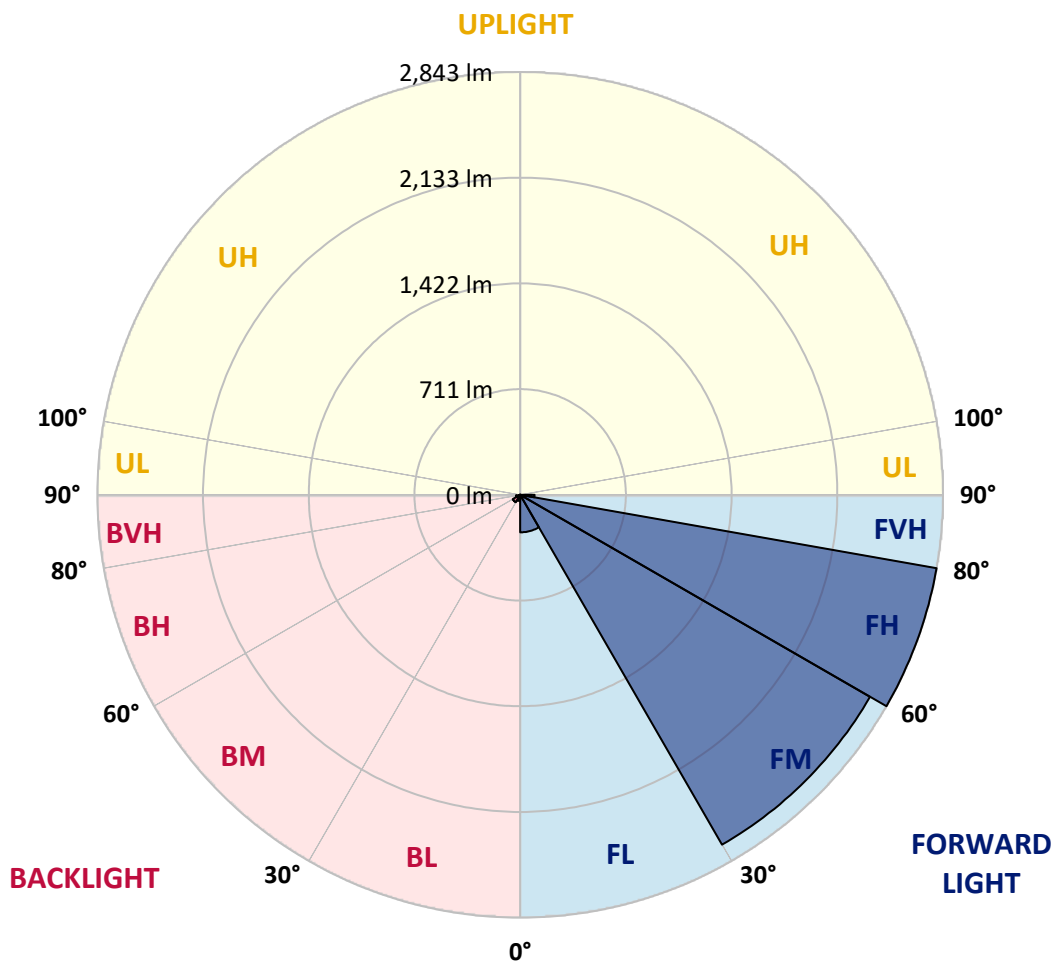
CATALOG NUMBER: VWM-F05-LED-E1-SL3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 252.3 | 4.2 | | | |
| FM | (30°-60°) | 2716.4 | 45.0 | | | |
| FH | (60°-80°) | 2843.4 | 47.1 | | | G2/5000 |
| FVH | (80°-90°) | 97.1 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 41.3 | 0.7 | B0/110 | | |
| BM | (30°-60°) | 57.5 | 1.0 | B0/220 | | |
| BH | (60°-80°) | 28.1 | 0.5 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 4.0 | 0.1 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G2

Type III Short





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 CATALOG NUMBER: VWM-F05-LED-E1-SL3-HSS-8030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 67° | 68° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 |
| 2.5° | 229.9 | 228.8 | 224.1 | 224.1 | 217.1 | 212.5 | 206.7 | 200.9 | 200.9 | 199.7 | 198.6 |
| 5° | 304.2 | 297.3 | 296.1 | 283.3 | 272.9 | 257.8 | 243.9 | 225.3 | 223.0 | 220.6 | 219.5 |
| 7.5° | 386.7 | 385.5 | 375.1 | 360.0 | 339.1 | 311.2 | 283.3 | 253.1 | 248.5 | 246.2 | 241.5 |
| 10° | 493.5 | 487.7 | 473.8 | 448.2 | 416.9 | 379.7 | 334.4 | 286.8 | 281.0 | 276.4 | 274.0 |
| 12.5° | 595.7 | 585.3 | 577.1 | 544.6 | 505.1 | 450.6 | 396.0 | 327.5 | 322.8 | 317.0 | 307.7 |
| 15° | 690.9 | 681.6 | 667.7 | 639.8 | 595.7 | 527.2 | 463.3 | 379.7 | 368.1 | 360.0 | 353.0 |
| 17.5° | 765.2 | 759.4 | 743.2 | 711.8 | 664.2 | 603.8 | 527.2 | 433.1 | 423.8 | 413.4 | 400.6 |
| 20° | 836.1 | 828.0 | 802.4 | 759.4 | 708.3 | 661.9 | 602.7 | 502.8 | 490.0 | 477.3 | 463.3 |
| 22.5° | 903.4 | 895.3 | 853.5 | 782.7 | 728.1 | 708.3 | 687.4 | 581.8 | 562.0 | 551.6 | 537.6 |
| 25° | 997.5 | 980.1 | 915.0 | 802.4 | 729.2 | 744.3 | 780.3 | 684.0 | 665.4 | 650.3 | 628.2 |
| 27.5° | 1124.1 | 1100.8 | 998.7 | 831.4 | 733.9 | 783.8 | 887.2 | 808.2 | 788.5 | 771.1 | 746.7 |
| 30° | 1266.9 | 1251.8 | 1129.9 | 901.1 | 767.6 | 841.9 | 1006.8 | 966.1 | 942.9 | 922.0 | 893.0 |
| 32.5° | 1410.9 | 1390.0 | 1269.2 | 1033.5 | 858.1 | 954.5 | 1156.6 | 1149.6 | 1119.4 | 1099.7 | 1068.3 |
| 35° | 1537.5 | 1527.0 | 1437.6 | 1250.6 | 1064.8 | 1151.9 | 1356.3 | 1364.4 | 1337.7 | 1316.8 | 1282.0 |
| 37.5° | 1623.4 | 1623.4 | 1606.0 | 1484.0 | 1393.5 | 1458.5 | 1650.1 | 1651.3 | 1624.6 | 1576.9 | 1559.5 |
| 40° | 1667.5 | 1680.3 | 1743.0 | 1766.2 | 1761.6 | 1845.2 | 2035.6 | 2014.7 | 1992.7 | 1968.3 | 1910.2 |
| 42.5° | 1758.1 | 1769.7 | 1903.2 | 2063.5 | 2168.0 | 2278.3 | 2409.5 | 2402.6 | 2375.9 | 2331.7 | 2278.3 |
| 45° | 1911.4 | 1926.5 | 2085.6 | 2339.9 | 2554.7 | 2711.5 | 2795.1 | 2762.6 | 2735.8 | 2694.0 | 2666.2 |
| 47.5° | 2106.5 | 2135.5 | 2315.5 | 2630.2 | 2889.1 | 3148.1 | 3235.2 | 3149.2 | 3126.0 | 3093.5 | 3048.2 |
| 50° | 2314.3 | 2342.2 | 2533.8 | 2893.8 | 3186.4 | 3495.3 | 3640.4 | 3495.3 | 3461.6 | 3451.2 | 3400.1 |
| 52.5° | 2494.3 | 2517.5 | 2702.2 | 3097.0 | 3414.0 | 3776.3 | 3987.6 | 3796.0 | 3771.7 | 3736.8 | 3699.7 |
| 55° | 2601.1 | 2619.7 | 2792.7 | 3194.5 | 3568.4 | 4029.5 | 4323.2 | 4154.9 | 4118.9 | 4104.9 | 4051.5 |
| 57.5° | 2637.1 | 2655.7 | 2811.3 | 3207.3 | 3652.1 | 4260.5 | 4730.8 | 4736.6 | 4693.7 | 4643.7 | 4627.5 |
| 60° | 2637.1 | 2658.0 | 2789.3 | 3176.0 | 3733.3 | 4506.7 | 5274.3 | 5758.5 | 5665.6 | 5656.3 | 5597.1 |
| 62.5° | 2528.0 | 2547.7 | 2680.1 | 3079.6 | 3842.5 | 4838.8 | 6031.4 | 6886.1 | 6859.4 | 6799.0 | 6701.4 |
| 65° | 2291.1 | 2302.7 | 2432.8 | 2833.4 | 3800.7 | 5144.2 | 6687.5 | 7636.2 | 7593.3 | 7474.8 | 7349.4 |
| 66° | 2184.3 | 2193.6 | 2315.5 | 2692.9 | 3663.7 | 5186.0 | 6803.6 | 7730.3 | 7659.4 | 7559.6 | 7417.9 |
| 67.5° | 2029.8 | 2046.1 | 2132.0 | 2431.6 | 3335.0 | 5040.9 | 6730.5 | 7664.1 | 7602.5 | 7481.8 | 7340.1 |
| 70° | 1355.2 | 1343.5 | 1646.6 | 1866.1 | 2540.8 | 4107.3 | 6038.4 | 6881.4 | 6882.6 | 6825.7 | 6768.8 |
| 72.5° | 643.3 | 650.3 | 738.5 | 1148.5 | 1662.9 | 2744.0 | 4806.3 | 5492.6 | 5571.6 | 5469.4 | 5398.5 |
| 75° | 462.2 | 472.6 | 526.0 | 702.5 | 991.7 | 1646.6 | 3115.6 | 3841.3 | 3843.7 | 3662.5 | 3501.1 |
| 77.5° | 134.7 | 140.5 | 197.4 | 433.1 | 743.2 | 1111.3 | 1789.4 | 2135.5 | 2085.6 | 1955.5 | 1833.6 |
| 80° | 55.7 | 55.7 | 58.1 | 138.2 | 298.4 | 754.8 | 1251.8 | 1644.3 | 1638.5 | 1588.6 | 1516.6 |
| 82.5° | 20.9 | 22.1 | 27.9 | 56.9 | 70.8 | 185.8 | 834.9 | 1427.1 | 1423.7 | 1352.8 | 1301.7 |
| 85° | 2.3 | 2.3 | 7.0 | 24.4 | 26.7 | 34.8 | 167.2 | 629.4 | 625.9 | 629.4 | 551.6 |
| 87.5° | 0.0 | 0.0 | 1.2 | 2.3 | 3.5 | 4.6 | 7.0 | 24.4 | 26.7 | 25.5 | 23.2 |
| 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):

| | 69° | 70° | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 |
| 2.5° | 198.6 | 196.2 | 196.2 | 195.1 | 195.1 | 195.1 | 193.9 | 192.8 | 192.8 | 191.6 | 190.4 |
| 5° | 217.1 | 214.8 | 213.7 | 211.3 | 210.2 | 209.0 | 206.7 | 205.5 | 203.2 | 202.1 | 200.9 |
| 7.5° | 239.2 | 234.6 | 233.4 | 229.9 | 226.4 | 224.1 | 221.8 | 218.3 | 216.0 | 211.3 | 210.2 |
| 10° | 267.1 | 261.3 | 256.6 | 252.0 | 248.5 | 242.7 | 239.2 | 234.6 | 229.9 | 226.4 | 223.0 |
| 12.5° | 303.1 | 295.0 | 288.0 | 283.3 | 275.2 | 268.2 | 261.3 | 257.8 | 248.5 | 243.9 | 238.1 |
| 15° | 342.6 | 333.3 | 325.1 | 315.9 | 310.0 | 298.4 | 289.1 | 278.7 | 274.0 | 265.9 | 256.6 |
| 17.5° | 393.7 | 378.6 | 365.8 | 356.5 | 344.9 | 333.3 | 322.8 | 312.4 | 298.4 | 289.1 | 277.5 |
| 20° | 448.2 | 435.5 | 418.0 | 401.8 | 387.8 | 373.9 | 358.8 | 344.9 | 332.1 | 317.0 | 303.1 |
| 22.5° | 517.9 | 499.3 | 478.4 | 462.2 | 443.6 | 428.5 | 407.6 | 389.0 | 368.1 | 348.4 | 332.1 |
| 25° | 606.2 | 581.8 | 562.0 | 538.8 | 516.7 | 493.5 | 468.0 | 444.7 | 418.0 | 399.5 | 371.6 |
| 27.5° | 715.3 | 692.1 | 665.4 | 635.2 | 613.1 | 578.3 | 544.6 | 515.6 | 484.2 | 455.2 | 423.8 |
| 30° | 854.7 | 821.0 | 793.1 | 764.1 | 720.0 | 686.3 | 646.8 | 607.3 | 564.4 | 535.3 | 487.7 |
| 32.5° | 1021.9 | 985.9 | 944.1 | 902.3 | 861.6 | 814.0 | 765.2 | 716.5 | 668.9 | 615.4 | 566.7 |
| 35° | 1226.3 | 1183.3 | 1135.7 | 1090.4 | 1027.7 | 976.6 | 915.0 | 847.7 | 794.3 | 732.7 | 671.2 |
| 37.5° | 1496.8 | 1426.0 | 1384.2 | 1336.6 | 1251.8 | 1182.1 | 1113.6 | 1046.3 | 952.2 | 887.2 | 800.1 |
| 40° | 1835.9 | 1794.1 | 1725.6 | 1648.9 | 1572.3 | 1480.6 | 1387.7 | 1298.3 | 1189.1 | 1098.5 | 997.5 |
| 42.5° | 2234.2 | 2172.7 | 2103.0 | 1992.7 | 1914.9 | 1806.9 | 1701.2 | 1582.8 | 1449.2 | 1333.1 | 1214.6 |
| 45° | 2608.1 | 2535.0 | 2481.5 | 2371.2 | 2289.9 | 2162.2 | 2034.5 | 1909.1 | 1754.6 | 1604.8 | 1467.8 |
| 47.5° | 3012.2 | 2951.8 | 2863.6 | 2774.2 | 2691.7 | 2547.7 | 2409.5 | 2257.4 | 2094.9 | 1917.2 | 1739.5 |
| 50° | 3367.6 | 3319.9 | 3259.6 | 3151.6 | 3059.8 | 2939.1 | 2776.5 | 2610.4 | 2404.9 | 2228.4 | 2026.3 |
| 52.5° | 3669.5 | 3632.3 | 3547.5 | 3470.9 | 3388.5 | 3274.7 | 3129.5 | 2970.4 | 2748.6 | 2554.7 | 2324.8 |
| 55° | 4026.0 | 3999.3 | 3924.9 | 3877.3 | 3804.2 | 3695.0 | 3559.2 | 3411.7 | 3177.1 | 2965.8 | 2705.7 |
| 57.5° | 4610.1 | 4589.2 | 4524.1 | 4504.4 | 4432.4 | 4337.2 | 4170.0 | 4012.0 | 3738.0 | 3475.5 | 3178.3 |
| 60° | 5577.4 | 5535.6 | 5440.3 | 5391.6 | 5239.5 | 5111.7 | 4894.6 | 4677.4 | 4346.5 | 4012.0 | 3654.4 |
| 62.5° | 6613.2 | 6495.9 | 6314.7 | 6159.1 | 5943.2 | 5721.4 | 5431.1 | 5098.9 | 4711.1 | 4314.0 | 3902.9 |
| 65° | 7171.7 | 6972.0 | 6743.2 | 6495.9 | 6216.0 | 5889.7 | 5524.0 | 5125.7 | 4708.8 | 4289.6 | 3855.3 |
| 66° | 7235.6 | 7010.3 | 6767.6 | 6492.4 | 6181.2 | 5834.0 | 5462.4 | 5044.4 | 4611.2 | 4202.5 | 3768.2 |
| 67.5° | 7155.5 | 6919.7 | 6663.1 | 6357.7 | 6021.0 | 5661.0 | 5270.8 | 4836.5 | 4419.6 | 4005.1 | 3582.4 |
| 70° | 6594.6 | 6360.0 | 6131.3 | 5809.6 | 5450.8 | 5088.5 | 4719.2 | 4233.8 | 3839.0 | 3458.1 | 3081.9 |
| 72.5° | 5266.2 | 5107.1 | 4880.6 | 4605.4 | 4255.9 | 3830.9 | 3523.2 | 3088.9 | 2746.3 | 2377.0 | 2085.6 |
| 75° | 3290.9 | 3066.8 | 2786.9 | 2436.3 | 2169.2 | 1824.3 | 1644.3 | 1314.5 | 1119.4 | 948.7 | 783.8 |
| 77.5° | 1682.6 | 1514.2 | 1318.0 | 1120.6 | 931.3 | 743.2 | 574.8 | 406.4 | 274.0 | 190.4 | 141.7 |
| 80° | 1390.0 | 1241.4 | 1078.8 | 898.8 | 731.6 | 567.8 | 408.8 | 278.7 | 177.7 | 116.1 | 90.6 |
| 82.5° | 1148.5 | 1023.0 | 877.9 | 710.7 | 565.5 | 445.9 | 310.0 | 202.1 | 125.4 | 81.3 | 63.9 |
| 85° | 488.9 | 443.6 | 342.6 | 271.7 | 204.4 | 151.0 | 105.7 | 70.8 | 49.9 | 40.6 | 37.2 |
| 87.5° | 20.9 | 23.2 | 22.1 | 17.4 | 12.8 | 12.8 | 11.6 | 9.3 | 9.3 | 9.3 | 9.3 |
| 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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CANDELA DISTRIBUTION (continued):

| | 80° | 81° | 82° | 83° | 84° | 85° | 95° | 105° | 115° | 125° | 135° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 |
| 2.5° | 190.4 | 189.3 | 188.1 | 188.1 | 187.0 | 185.8 | 178.8 | 173.0 | 166.1 | 161.4 | 156.8 |
| 5° | 198.6 | 197.4 | 195.1 | 193.9 | 191.6 | 190.4 | 175.3 | 162.6 | 152.1 | 144.0 | 138.2 |
| 7.5° | 206.7 | 205.5 | 202.1 | 198.6 | 197.4 | 195.1 | 170.7 | 154.4 | 140.5 | 131.2 | 125.4 |
| 10° | 217.1 | 213.7 | 210.2 | 205.5 | 202.1 | 198.6 | 166.1 | 145.2 | 130.1 | 121.9 | 116.1 |
| 12.5° | 232.2 | 226.4 | 220.6 | 214.8 | 210.2 | 204.4 | 163.7 | 137.0 | 121.9 | 112.6 | 106.8 |
| 15° | 249.7 | 241.5 | 234.6 | 227.6 | 219.5 | 213.7 | 159.1 | 130.1 | 115.0 | 105.7 | 98.7 |
| 17.5° | 265.9 | 256.6 | 246.2 | 235.7 | 227.6 | 219.5 | 154.4 | 123.1 | 108.0 | 98.7 | 91.7 |
| 20° | 289.1 | 275.2 | 262.4 | 249.7 | 238.1 | 227.6 | 147.5 | 116.1 | 102.2 | 91.7 | 84.8 |
| 22.5° | 314.7 | 298.4 | 282.2 | 264.8 | 249.7 | 235.7 | 141.7 | 110.3 | 96.4 | 85.9 | 77.8 |
| 25° | 347.2 | 327.5 | 305.4 | 283.3 | 265.9 | 247.3 | 135.9 | 104.5 | 90.6 | 80.1 | 72.0 |
| 27.5° | 392.5 | 364.6 | 340.2 | 312.4 | 285.7 | 264.8 | 131.2 | 99.9 | 84.8 | 74.3 | 66.2 |
| 30° | 454.0 | 413.4 | 375.1 | 344.9 | 313.5 | 283.3 | 126.6 | 94.1 | 80.1 | 68.5 | 59.2 |
| 32.5° | 522.6 | 474.9 | 430.8 | 385.5 | 346.0 | 311.2 | 121.9 | 89.4 | 74.3 | 62.7 | 54.6 |
| 35° | 607.3 | 546.9 | 487.7 | 435.5 | 387.8 | 341.4 | 117.3 | 84.8 | 69.7 | 56.9 | 48.8 |
| 37.5° | 729.2 | 653.8 | 576.0 | 508.6 | 447.1 | 385.5 | 113.8 | 80.1 | 63.9 | 51.1 | 43.0 |
| 40° | 896.5 | 798.9 | 703.7 | 612.0 | 531.8 | 455.2 | 109.2 | 75.5 | 59.2 | 46.4 | 38.3 |
| 42.5° | 1077.6 | 959.2 | 833.8 | 730.4 | 620.1 | 523.7 | 104.5 | 70.8 | 54.6 | 41.8 | 33.7 |
| 45° | 1302.9 | 1155.4 | 1003.3 | 862.8 | 728.1 | 603.8 | 99.9 | 66.2 | 48.8 | 37.2 | 29.0 |
| 47.5° | 1549.1 | 1361.0 | 1189.1 | 1012.6 | 852.3 | 703.7 | 94.1 | 62.7 | 44.1 | 32.5 | 25.5 |
| 50° | 1802.2 | 1603.7 | 1386.5 | 1185.6 | 995.2 | 803.6 | 88.3 | 56.9 | 39.5 | 29.0 | 20.9 |
| 52.5° | 2075.1 | 1840.5 | 1618.7 | 1369.1 | 1147.3 | 934.8 | 82.4 | 52.3 | 36.0 | 25.5 | 17.4 |
| 55° | 2422.3 | 2159.9 | 1899.8 | 1619.9 | 1352.8 | 1086.9 | 76.6 | 46.4 | 31.4 | 22.1 | 13.9 |
| 57.5° | 2858.9 | 2547.7 | 2228.4 | 1912.5 | 1588.6 | 1286.6 | 72.0 | 40.6 | 26.7 | 18.6 | 11.6 |
| 60° | 3271.2 | 2907.7 | 2521.0 | 2157.6 | 1791.8 | 1439.9 | 65.0 | 36.0 | 23.2 | 15.1 | 11.6 |
| 62.5° | 3484.8 | 3070.3 | 2653.4 | 2252.8 | 1862.6 | 1494.5 | 58.1 | 30.2 | 19.7 | 12.8 | 10.5 |
| 65° | 3432.6 | 3009.9 | 2605.8 | 2201.7 | 1819.6 | 1459.7 | 51.1 | 26.7 | 17.4 | 11.6 | 10.5 |
| 66° | 3357.1 | 2939.1 | 2532.6 | 2148.3 | 1783.6 | 1422.5 | 47.6 | 25.5 | 16.3 | 11.6 | 9.3 |
| 67.5° | 3192.2 | 2788.1 | 2400.3 | 2042.6 | 1684.9 | 1351.7 | 43.0 | 23.2 | 15.1 | 10.5 | 9.3 |
| 70° | 2726.6 | 2359.6 | 2049.6 | 1731.4 | 1439.9 | 1139.2 | 34.8 | 19.7 | 12.8 | 9.3 | 9.3 |
| 72.5° | 1804.5 | 1554.9 | 1348.2 | 1160.1 | 969.6 | 752.5 | 29.0 | 16.3 | 10.5 | 9.3 | 8.1 |
| 75° | 680.5 | 615.4 | 528.4 | 474.9 | 414.6 | 363.5 | 23.2 | 10.5 | 8.1 | 8.1 | 8.1 |
| 77.5° | 120.8 | 111.5 | 98.7 | 90.6 | 83.6 | 76.6 | 18.6 | 7.0 | 7.0 | 8.1 | 8.1 |
| 80° | 81.3 | 75.5 | 68.5 | 62.7 | 58.1 | 52.3 | 12.8 | 5.8 | 7.0 | 7.0 | 8.1 |
| 82.5° | 58.1 | 54.6 | 51.1 | 46.4 | 43.0 | 38.3 | 8.1 | 5.8 | 7.0 | 7.0 | 7.0 |
| 85° | 34.8 | 32.5 | 30.2 | 27.9 | 24.4 | 23.2 | 5.8 | 5.8 | 5.8 | 7.0 | 7.0 |
| 87.5° | 9.3 | 8.1 | 9.3 | 9.3 | 7.0 | 8.1 | 4.6 | 4.6 | 4.6 | 5.8 | 5.8 |
| 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: P150533

CATALOG NUMBER: VWM-F05-LED-E1-SL3-HSS-8030

CANDELA DISTRIBUTION (continued):

| | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 |
| 2.5° | 154.4 | 154.4 | 152.1 | 155.6 | 155.6 |
| 5° | 133.5 | 133.5 | 132.4 | 133.5 | 133.5 |
| 7.5° | 121.9 | 120.8 | 120.8 | 120.8 | 121.9 |
| 10° | 111.5 | 110.3 | 110.3 | 110.3 | 110.3 |
| 12.5° | 102.2 | 101.0 | 99.9 | 101.0 | 101.0 |
| 15° | 94.1 | 91.7 | 91.7 | 91.7 | 91.7 |
| 17.5° | 87.1 | 84.8 | 83.6 | 83.6 | 83.6 |
| 20° | 80.1 | 76.6 | 76.6 | 76.6 | 76.6 |
| 22.5° | 73.2 | 69.7 | 69.7 | 69.7 | 69.7 |
| 25° | 66.2 | 62.7 | 62.7 | 62.7 | 62.7 |
| 27.5° | 60.4 | 56.9 | 56.9 | 56.9 | 56.9 |
| 30° | 53.4 | 51.1 | 51.1 | 52.3 | 51.1 |
| 32.5° | 48.8 | 45.3 | 45.3 | 46.4 | 46.4 |
| 35° | 43.0 | 40.6 | 40.6 | 40.6 | 40.6 |
| 37.5° | 37.2 | 34.8 | 34.8 | 34.8 | 34.8 |
| 40° | 32.5 | 30.2 | 29.0 | 30.2 | 30.2 |
| 42.5° | 27.9 | 25.5 | 24.4 | 24.4 | 24.4 |
| 45° | 24.4 | 20.9 | 19.7 | 20.9 | 20.9 |
| 47.5° | 19.7 | 17.4 | 17.4 | 18.6 | 18.6 |
| 50° | 15.1 | 15.1 | 16.3 | 18.6 | 18.6 |
| 52.5° | 13.9 | 13.9 | 16.3 | 18.6 | 18.6 |
| 55° | 12.8 | 13.9 | 16.3 | 17.4 | 18.6 |
| 57.5° | 11.6 | 13.9 | 16.3 | 17.4 | 17.4 |
| 60° | 11.6 | 12.8 | 15.1 | 17.4 | 17.4 |
| 62.5° | 10.5 | 11.6 | 13.9 | 16.3 | 16.3 |
| 65° | 10.5 | 11.6 | 13.9 | 16.3 | 16.3 |
| 66° | 10.5 | 11.6 | 13.9 | 16.3 | 16.3 |
| 67.5° | 10.5 | 11.6 | 13.9 | 16.3 | 16.3 |
| 70° | 10.5 | 11.6 | 13.9 | 15.1 | 15.1 |
| 72.5° | 9.3 | 10.5 | 12.8 | 15.1 | 15.1 |
| 75° | 9.3 | 10.5 | 12.8 | 15.1 | 15.1 |
| 77.5° | 9.3 | 10.5 | 12.8 | 15.1 | 15.1 |
| 80° | 9.3 | 10.5 | 12.8 | 13.9 | 15.1 |
| 82.5° | 8.1 | 10.5 | 11.6 | 13.9 | 13.9 |
| 85° | 8.1 | 9.3 | 11.6 | 12.8 | 13.9 |
| 87.5° | 7.0 | 8.1 | 9.3 | 11.6 | 11.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)