

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: P150424

Luminaire Tested: **VXM-F06-LED-E1-SL3-HSS-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P150424  
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: VXM-F06-LED-E1-SL3-HSS-7030  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND  
HOUSE SIDE SHIELD  
Light Source: (42) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7843.7 lumens  
Efficiency: N/A  
Efficacy: 50.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2

Input Watts (W): 156.5  
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

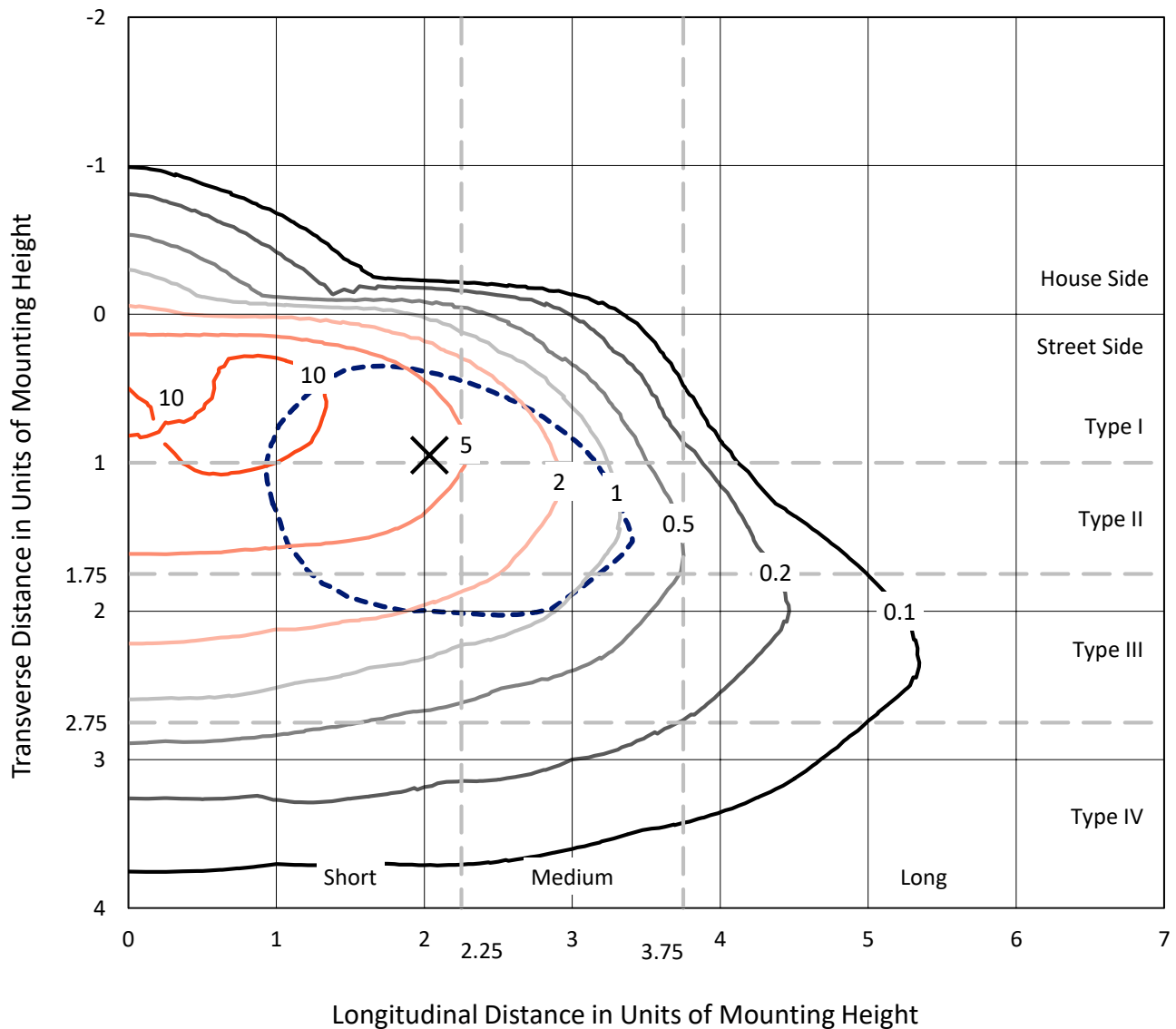


REPORT NUMBER: P150424

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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

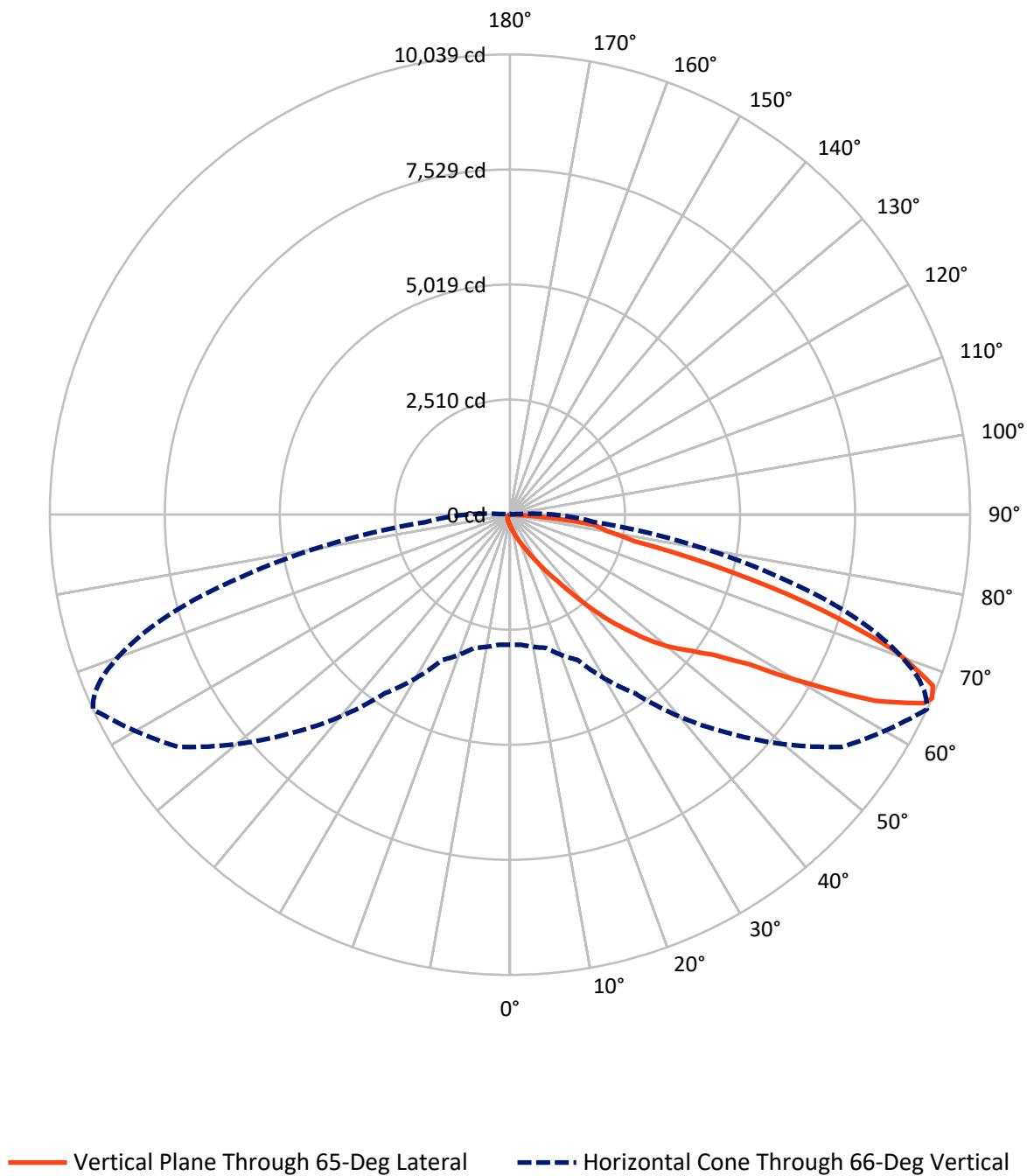


Based on 10 foot mounting height. Maximum calculated value = 12.9 fc  
Type III - Short - Non-Cutoff

REPORT NUMBER: P150424

CATALOG NUMBER: VXM-F06-LED-E1-SL3-HSS-7030

## Luminous Intensity Polar Plot



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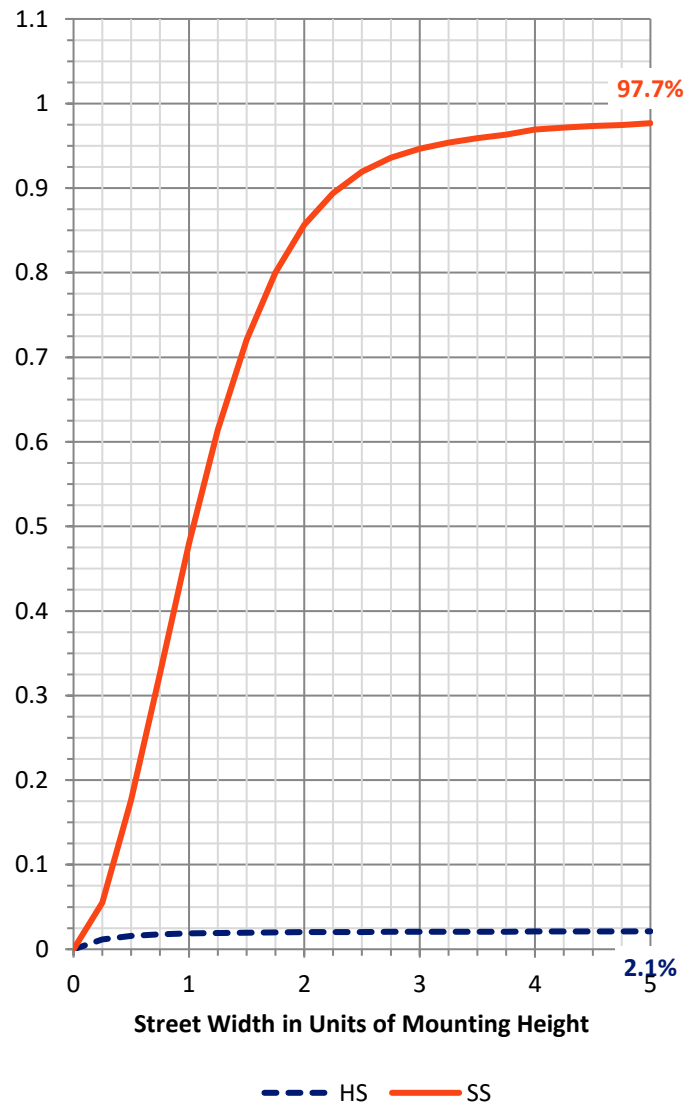
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 170.0    | 0.0    | 170.0  |
|                    | % Fixture | 2.2      | 0.0    | 2.2    |
| <b>Street Side</b> | Lumens    | 7673.8   | 0.0    | 7673.8 |
|                    | % Fixture | 97.8     | 0.0    | 97.8   |
| <b>Total</b>       | Lumens    | 7843.7   | 0.0    | 7843.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 26.5   | 0.3       |
| 10°-20°   | 112.4  | 1.4       |
| 20°-30°   | 242.4  | 3.1       |
| 30°-40°   | 517.6  | 6.6       |
| 40°-50°   | 1144.7 | 14.6      |
| 50°-60°   | 1939.9 | 24.7      |
| 60°-70°   | 2588.6 | 33.0      |
| 70°-80°   | 1140.3 | 14.5      |
| 80°-90°   | 131.3  | 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°    | 7843.7 | 100.0     |
| 0°-180°   | 7843.7 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P150424

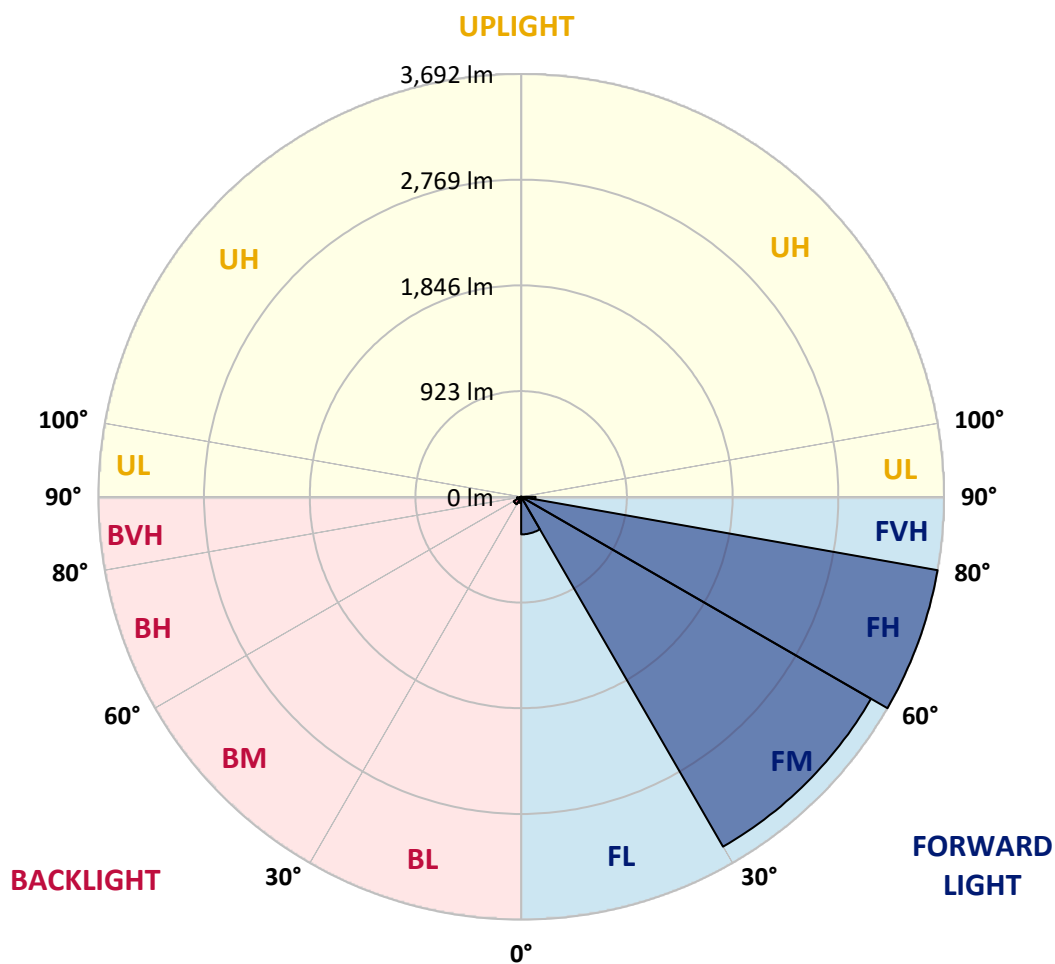
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 327.6  | 4.2       |                         |      |         |
| FM   | (30°-60°)   | 3527.6 | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 3692.4 | 47.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 126.1  | 1.6       |                         |      | G2/225  |
| BL   | (0°-30°)    | 53.6   | 0.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 74.6   | 1.0       | B0/220                  |      |         |
| BH   | (60°-80°)   | 36.5   | 0.5       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 5.2    | 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



REPORT NUMBER: P150424

CATALOG NUMBER: VXM-F06-LED-E1-SL3-HSS-7030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°     | 66°    | 67°    | 68°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| 0°    | 236.8  | 236.8  | 236.8  | 236.8  | 236.8  | 236.8  | 236.8  | 236.8   | 236.8  | 236.8  | 236.8  |
| 2.5°  | 298.6  | 297.1  | 291.0  | 291.0  | 282.0  | 276.0  | 268.4  | 260.9   | 260.9  | 259.4  | 257.9  |
| 5°    | 395.1  | 386.0  | 384.5  | 367.9  | 354.4  | 334.8  | 316.7  | 292.5   | 289.5  | 286.5  | 285.0  |
| 7.5°  | 502.2  | 500.7  | 487.1  | 467.5  | 440.3  | 404.1  | 367.9  | 328.7   | 322.7  | 319.7  | 313.7  |
| 10°   | 640.9  | 633.4  | 615.3  | 582.1  | 541.4  | 493.1  | 434.3  | 372.5   | 364.9  | 358.9  | 355.9  |
| 12.5° | 773.6  | 760.0  | 749.5  | 707.2  | 656.0  | 585.1  | 514.2  | 425.3   | 419.2  | 411.7  | 399.6  |
| 15°   | 897.3  | 885.2  | 867.1  | 830.9  | 773.6  | 684.6  | 601.7  | 493.1   | 478.0  | 467.5  | 458.4  |
| 17.5° | 993.8  | 986.2  | 965.1  | 924.4  | 862.6  | 784.2  | 684.6  | 562.5   | 550.4  | 536.8  | 520.3  |
| 20°   | 1085.8 | 1075.2 | 1042.0 | 986.2  | 919.9  | 859.6  | 782.6  | 653.0   | 636.4  | 619.8  | 601.7  |
| 22.5° | 1173.2 | 1162.7 | 1108.4 | 1016.4 | 945.5  | 919.9  | 892.7  | 755.5   | 729.9  | 716.3  | 698.2  |
| 25°   | 1295.4 | 1272.7 | 1188.3 | 1042.0 | 947.0  | 966.6  | 1013.4 | 888.2   | 864.1  | 844.5  | 815.8  |
| 27.5° | 1459.7 | 1429.6 | 1296.9 | 1079.7 | 953.0  | 1017.9 | 1152.1 | 1049.6  | 1023.9 | 1001.3 | 969.6  |
| 30°   | 1645.2 | 1625.6 | 1467.3 | 1170.2 | 996.8  | 1093.3 | 1307.4 | 1254.6  | 1224.5 | 1197.3 | 1159.6 |
| 32.5° | 1832.2 | 1805.1 | 1648.2 | 1342.1 | 1114.4 | 1239.6 | 1502.0 | 1492.9  | 1453.7 | 1428.1 | 1387.3 |
| 35°   | 1996.6 | 1983.0 | 1866.9 | 1624.1 | 1382.8 | 1495.9 | 1761.3 | 1771.9  | 1737.2 | 1710.1 | 1664.8 |
| 37.5° | 2108.2 | 2108.2 | 2085.5 | 1927.2 | 1809.6 | 1894.0 | 2142.8 | 2144.4  | 2109.7 | 2047.8 | 2025.2 |
| 40°   | 2165.5 | 2182.1 | 2263.5 | 2293.6 | 2287.6 | 2396.2 | 2643.5 | 2616.4  | 2587.7 | 2556.0 | 2480.6 |
| 42.5° | 2283.1 | 2298.2 | 2471.6 | 2679.7 | 2815.4 | 2958.7 | 3129.1 | 3120.0  | 3085.3 | 3028.0 | 2958.7 |
| 45°   | 2482.1 | 2501.8 | 2708.3 | 3038.6 | 3317.6 | 3521.1 | 3629.7 | 3587.5  | 3552.8 | 3498.5 | 3462.3 |
| 47.5° | 2735.5 | 2773.2 | 3006.9 | 3415.6 | 3751.9 | 4088.2 | 4201.3 | 4089.7  | 4059.5 | 4017.3 | 3958.5 |
| 50°   | 3005.4 | 3041.6 | 3290.4 | 3757.9 | 4137.9 | 4539.0 | 4727.5 | 4539.0  | 4495.3 | 4481.7 | 4415.4 |
| 52.5° | 3239.2 | 3269.3 | 3509.1 | 4021.8 | 4433.5 | 4904.0 | 5178.4 | 4929.6  | 4897.9 | 4852.7 | 4804.4 |
| 55°   | 3377.9 | 3402.0 | 3626.7 | 4148.5 | 4634.0 | 5232.7 | 5614.2 | 5395.6  | 5348.8 | 5330.7 | 5261.4 |
| 57.5° | 3424.6 | 3448.8 | 3650.8 | 4165.1 | 4742.6 | 5532.8 | 6143.5 | 6151.1  | 6095.3 | 6030.4 | 6009.3 |
| 60°   | 3424.6 | 3451.8 | 3622.2 | 4124.3 | 4848.2 | 5852.5 | 6849.3 | 7478.1  | 7357.5 | 7345.4 | 7268.5 |
| 62.5° | 3282.9 | 3308.5 | 3480.4 | 3999.2 | 4989.9 | 6283.8 | 7832.5 | 8942.4  | 8907.7 | 8829.3 | 8702.6 |
| 65°   | 2975.3 | 2990.3 | 3159.2 | 3679.5 | 4935.6 | 6680.4 | 8684.5 | 9916.5  | 9860.7 | 9706.9 | 9544.0 |
| 66°   | 2836.5 | 2848.6 | 3006.9 | 3497.0 | 4757.7 | 6734.7 | 8835.3 | 10038.7 | 9946.7 | 9817.0 | 9633.0 |
| 67.5° | 2636.0 | 2657.1 | 2768.7 | 3157.7 | 4330.9 | 6546.2 | 8740.3 | 9952.7  | 9872.8 | 9716.0 | 9532.0 |
| 70°   | 1759.8 | 1744.7 | 2138.3 | 2423.3 | 3299.5 | 5333.7 | 7841.5 | 8936.3  | 8937.8 | 8863.9 | 8790.1 |
| 72.5° | 835.4  | 844.5  | 959.1  | 1491.4 | 2159.4 | 3563.4 | 6241.6 | 7132.8  | 7235.3 | 7102.6 | 7010.6 |
| 75°   | 600.2  | 613.8  | 683.1  | 912.3  | 1287.8 | 2138.3 | 4045.9 | 4988.4  | 4991.4 | 4756.2 | 4546.6 |
| 77.5° | 174.9  | 182.5  | 256.4  | 562.5  | 965.1  | 1443.1 | 2323.8 | 2773.2  | 2708.3 | 2539.5 | 2381.1 |
| 80°   | 72.4   | 72.4   | 75.4   | 179.5  | 387.6  | 980.2  | 1625.6 | 2135.3  | 2127.8 | 2062.9 | 1969.4 |
| 82.5° | 27.1   | 28.7   | 36.2   | 73.9   | 92.0   | 241.3  | 1084.2 | 1853.3  | 1848.8 | 1756.8 | 1690.5 |
| 85°   | 3.0    | 3.0    | 9.0    | 31.7   | 34.7   | 45.2   | 217.2  | 817.3   | 812.8  | 817.3  | 716.3  |
| 87.5° | 0.0    | 0.0    | 1.5    | 3.0    | 4.5    | 6.0    | 9.0    | 31.7    | 34.7   | 33.2   | 30.2   |
| 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: P150424

CATALOG NUMBER: VXM-F06-LED-E1-SL3-HSS-7030

**CANDELA DISTRIBUTION (continued):**

|       | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 236.8  | 236.8  | 236.8  | 236.8  | 236.8  | 236.8  | 236.8  | 236.8  | 236.8  | 236.8  | 236.8  |
| 2.5°  | 257.9  | 254.8  | 254.8  | 253.3  | 253.3  | 253.3  | 251.8  | 250.3  | 250.3  | 248.8  | 247.3  |
| 5°    | 282.0  | 279.0  | 277.5  | 274.5  | 272.9  | 271.4  | 268.4  | 266.9  | 263.9  | 262.4  | 260.9  |
| 7.5°  | 310.6  | 304.6  | 303.1  | 298.6  | 294.1  | 291.0  | 288.0  | 283.5  | 280.5  | 274.5  | 272.9  |
| 10°   | 346.8  | 339.3  | 333.3  | 327.2  | 322.7  | 315.2  | 310.6  | 304.6  | 298.6  | 294.1  | 289.5  |
| 12.5° | 393.6  | 383.0  | 374.0  | 367.9  | 357.4  | 348.3  | 339.3  | 334.8  | 322.7  | 316.7  | 309.1  |
| 15°   | 444.9  | 432.8  | 422.2  | 410.2  | 402.6  | 387.6  | 375.5  | 361.9  | 355.9  | 345.3  | 333.3  |
| 17.5° | 511.2  | 491.6  | 475.0  | 463.0  | 447.9  | 432.8  | 419.2  | 405.6  | 387.6  | 375.5  | 360.4  |
| 20°   | 582.1  | 565.5  | 542.9  | 521.8  | 503.7  | 485.6  | 466.0  | 447.9  | 431.3  | 411.7  | 393.6  |
| 22.5° | 672.6  | 648.4  | 621.3  | 600.2  | 576.1  | 556.4  | 529.3  | 505.2  | 478.0  | 452.4  | 431.3  |
| 25°   | 787.2  | 755.5  | 729.9  | 699.7  | 671.1  | 640.9  | 607.7  | 577.6  | 542.9  | 518.7  | 482.6  |
| 27.5° | 928.9  | 898.8  | 864.1  | 824.9  | 796.2  | 751.0  | 707.2  | 669.5  | 628.8  | 591.1  | 550.4  |
| 30°   | 1109.9 | 1066.1 | 1030.0 | 992.3  | 935.0  | 891.2  | 839.9  | 788.7  | 732.9  | 695.2  | 633.4  |
| 32.5° | 1327.0 | 1280.3 | 1226.0 | 1171.7 | 1118.9 | 1057.1 | 993.8  | 930.4  | 868.6  | 799.2  | 735.9  |
| 35°   | 1592.4 | 1536.6 | 1474.8 | 1416.0 | 1334.6 | 1268.2 | 1188.3 | 1100.8 | 1031.5 | 951.5  | 871.6  |
| 37.5° | 1943.8 | 1851.8 | 1797.5 | 1735.7 | 1625.6 | 1535.1 | 1446.2 | 1358.7 | 1236.5 | 1152.1 | 1039.0 |
| 40°   | 2384.1 | 2329.8 | 2240.9 | 2141.3 | 2041.8 | 1922.7 | 1802.0 | 1685.9 | 1544.2 | 1426.6 | 1295.4 |
| 42.5° | 2901.4 | 2821.4 | 2731.0 | 2587.7 | 2486.7 | 2346.4 | 2209.2 | 2055.4 | 1882.0 | 1731.2 | 1577.4 |
| 45°   | 3386.9 | 3291.9 | 3222.6 | 3079.3 | 2973.8 | 2807.9 | 2642.0 | 2479.1 | 2278.6 | 2084.0 | 1906.1 |
| 47.5° | 3911.7 | 3833.3 | 3718.7 | 3602.6 | 3495.5 | 3308.5 | 3129.1 | 2931.5 | 2720.4 | 2489.7 | 2259.0 |
| 50°   | 4373.2 | 4311.3 | 4232.9 | 4092.7 | 3973.5 | 3816.7 | 3605.6 | 3390.0 | 3123.0 | 2893.8 | 2631.4 |
| 52.5° | 4765.2 | 4717.0 | 4606.9 | 4507.4 | 4400.3 | 4252.5 | 4064.0 | 3857.4 | 3569.4 | 3317.6 | 3019.0 |
| 55°   | 5228.2 | 5193.5 | 5097.0 | 5035.2 | 4940.2 | 4798.4 | 4622.0 | 4430.5 | 4125.9 | 3851.4 | 3513.6 |
| 57.5° | 5986.7 | 5959.6 | 5875.1 | 5849.5 | 5756.0 | 5632.3 | 5415.2 | 5210.1 | 4854.2 | 4513.4 | 4127.4 |
| 60°   | 7242.9 | 7188.6 | 7064.9 | 7001.6 | 6804.0 | 6638.2 | 6356.2 | 6074.2 | 5644.4 | 5210.1 | 4745.6 |
| 62.5° | 8588.0 | 8435.7 | 8200.4 | 7998.4 | 7717.9 | 7429.9 | 7052.9 | 6621.6 | 6117.9 | 5602.2 | 5068.3 |
| 65°   | 9313.3 | 9054.0 | 8756.9 | 8435.7 | 8072.3 | 7648.5 | 7173.5 | 6656.3 | 6114.9 | 5570.5 | 5006.5 |
| 66°   | 9396.3 | 9103.7 | 8788.5 | 8431.2 | 8027.0 | 7576.1 | 7093.6 | 6550.7 | 5988.2 | 5457.4 | 4893.4 |
| 67.5° | 9292.2 | 8986.1 | 8652.8 | 8256.2 | 7818.9 | 7351.4 | 6844.8 | 6280.8 | 5739.4 | 5201.0 | 4652.1 |
| 70°   | 8563.9 | 8259.2 | 7962.2 | 7544.5 | 7078.5 | 6608.0 | 6128.5 | 5498.1 | 4985.4 | 4490.8 | 4002.2 |
| 72.5° | 6838.7 | 6632.1 | 6338.1 | 5980.7 | 5526.8 | 4974.8 | 4575.2 | 4011.2 | 3566.4 | 3086.8 | 2708.3 |
| 75°   | 4273.6 | 3982.6 | 3619.2 | 3163.8 | 2816.9 | 2369.0 | 2135.3 | 1707.0 | 1453.7 | 1232.0 | 1017.9 |
| 77.5° | 2185.1 | 1966.4 | 1711.6 | 1455.2 | 1209.4 | 965.1  | 746.5  | 527.8  | 355.9  | 247.3  | 184.0  |
| 80°   | 1805.1 | 1612.0 | 1400.9 | 1167.2 | 950.0  | 737.4  | 530.8  | 361.9  | 230.7  | 150.8  | 117.6  |
| 82.5° | 1491.4 | 1328.5 | 1140.0 | 922.9  | 734.4  | 579.1  | 402.6  | 262.4  | 162.9  | 105.6  | 82.9   |
| 85°   | 634.9  | 576.1  | 444.9  | 352.9  | 265.4  | 196.0  | 137.2  | 92.0   | 64.8   | 52.8   | 48.3   |
| 87.5° | 27.1   | 30.2   | 28.7   | 22.6   | 16.6   | 16.6   | 15.1   | 12.1   | 12.1   | 12.1   | 12.1   |
| 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: P150424

CATALOG NUMBER: VXM-F06-LED-E1-SL3-HSS-7030

**CANDELA DISTRIBUTION (continued):**

|       | 80°    | 81°    | 82°    | 83°    | 84°    | 85°    | 95°   | 105°  | 115°  | 125°  | 135°  |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0°    | 236.8  | 236.8  | 236.8  | 236.8  | 236.8  | 236.8  | 236.8 | 236.8 | 236.8 | 236.8 | 236.8 |
| 2.5°  | 247.3  | 245.8  | 244.3  | 244.3  | 242.8  | 241.3  | 232.2 | 224.7 | 215.6 | 209.6 | 203.6 |
| 5°    | 257.9  | 256.4  | 253.3  | 251.8  | 248.8  | 247.3  | 227.7 | 211.1 | 197.5 | 187.0 | 179.5 |
| 7.5°  | 268.4  | 266.9  | 262.4  | 257.9  | 256.4  | 253.3  | 221.7 | 200.6 | 182.5 | 170.4 | 162.9 |
| 10°   | 282.0  | 277.5  | 272.9  | 266.9  | 262.4  | 257.9  | 215.6 | 188.5 | 168.9 | 158.3 | 150.8 |
| 12.5° | 301.6  | 294.1  | 286.5  | 279.0  | 272.9  | 265.4  | 212.6 | 177.9 | 158.3 | 146.3 | 138.7 |
| 15°   | 324.2  | 313.7  | 304.6  | 295.6  | 285.0  | 277.5  | 206.6 | 168.9 | 149.3 | 137.2 | 128.2 |
| 17.5° | 345.3  | 333.3  | 319.7  | 306.1  | 295.6  | 285.0  | 200.6 | 159.8 | 140.2 | 128.2 | 119.1 |
| 20°   | 375.5  | 357.4  | 340.8  | 324.2  | 309.1  | 295.6  | 191.5 | 150.8 | 132.7 | 119.1 | 110.1 |
| 22.5° | 408.7  | 387.6  | 366.4  | 343.8  | 324.2  | 306.1  | 184.0 | 143.3 | 125.2 | 111.6 | 101.0 |
| 25°   | 450.9  | 425.3  | 396.6  | 367.9  | 345.3  | 321.2  | 176.4 | 135.7 | 117.6 | 104.1 | 93.5  |
| 27.5° | 509.7  | 473.5  | 441.8  | 405.6  | 371.0  | 343.8  | 170.4 | 129.7 | 110.1 | 96.5  | 86.0  |
| 30°   | 589.6  | 536.8  | 487.1  | 447.9  | 407.2  | 367.9  | 164.4 | 122.1 | 104.1 | 89.0  | 76.9  |
| 32.5° | 678.6  | 616.8  | 559.5  | 500.7  | 449.4  | 404.1  | 158.3 | 116.1 | 96.5  | 81.4  | 70.9  |
| 35°   | 788.7  | 710.3  | 633.4  | 565.5  | 503.7  | 443.3  | 152.3 | 110.1 | 90.5  | 73.9  | 63.3  |
| 37.5° | 947.0  | 849.0  | 748.0  | 660.5  | 580.6  | 500.7  | 147.8 | 104.1 | 82.9  | 66.4  | 55.8  |
| 40°   | 1164.2 | 1037.5 | 913.8  | 794.7  | 690.7  | 591.1  | 141.8 | 98.0  | 76.9  | 60.3  | 49.8  |
| 42.5° | 1399.4 | 1245.6 | 1082.7 | 948.5  | 805.3  | 680.1  | 135.7 | 92.0  | 70.9  | 54.3  | 43.7  |
| 45°   | 1692.0 | 1500.4 | 1302.9 | 1120.4 | 945.5  | 784.2  | 129.7 | 86.0  | 63.3  | 48.3  | 37.7  |
| 47.5° | 2011.7 | 1767.4 | 1544.2 | 1315.0 | 1106.9 | 913.8  | 122.1 | 81.4  | 57.3  | 42.2  | 33.2  |
| 50°   | 2340.4 | 2082.5 | 1800.5 | 1539.7 | 1292.3 | 1043.5 | 114.6 | 73.9  | 51.3  | 37.7  | 27.1  |
| 52.5° | 2694.8 | 2390.2 | 2102.1 | 1777.9 | 1489.9 | 1213.9 | 107.1 | 67.9  | 46.7  | 33.2  | 22.6  |
| 55°   | 3145.7 | 2804.9 | 2467.1 | 2103.6 | 1756.8 | 1411.5 | 99.5  | 60.3  | 40.7  | 28.7  | 18.1  |
| 57.5° | 3712.7 | 3308.5 | 2893.8 | 2483.7 | 2062.9 | 1670.8 | 93.5  | 52.8  | 34.7  | 24.1  | 15.1  |
| 60°   | 4248.0 | 3776.0 | 3273.8 | 2801.8 | 2326.8 | 1869.9 | 84.4  | 46.7  | 30.2  | 19.6  | 15.1  |
| 62.5° | 4525.5 | 3987.1 | 3445.8 | 2925.5 | 2418.8 | 1940.8 | 75.4  | 39.2  | 25.6  | 16.6  | 13.6  |
| 65°   | 4457.6 | 3908.7 | 3383.9 | 2859.1 | 2363.0 | 1895.5 | 66.4  | 34.7  | 22.6  | 15.1  | 13.6  |
| 66°   | 4359.6 | 3816.7 | 3288.9 | 2789.8 | 2316.3 | 1847.3 | 61.8  | 33.2  | 21.1  | 15.1  | 12.1  |
| 67.5° | 4145.5 | 3620.7 | 3117.0 | 2652.5 | 2188.1 | 1755.3 | 55.8  | 30.2  | 19.6  | 13.6  | 12.1  |
| 70°   | 3540.8 | 3064.2 | 2661.6 | 2248.4 | 1869.9 | 1479.3 | 45.2  | 25.6  | 16.6  | 12.1  | 12.1  |
| 72.5° | 2343.4 | 2019.2 | 1750.8 | 1506.5 | 1259.2 | 977.2  | 37.7  | 21.1  | 13.6  | 12.1  | 10.6  |
| 75°   | 883.7  | 799.2  | 686.1  | 616.8  | 538.4  | 472.0  | 30.2  | 13.6  | 10.6  | 10.6  | 10.6  |
| 77.5° | 156.8  | 144.8  | 128.2  | 117.6  | 108.6  | 99.5   | 24.1  | 9.0   | 9.0   | 10.6  | 10.6  |
| 80°   | 105.6  | 98.0   | 89.0   | 81.4   | 75.4   | 67.9   | 16.6  | 7.5   | 9.0   | 9.0   | 10.6  |
| 82.5° | 75.4   | 70.9   | 66.4   | 60.3   | 55.8   | 49.8   | 10.6  | 7.5   | 9.0   | 9.0   | 9.0   |
| 85°   | 45.2   | 42.2   | 39.2   | 36.2   | 31.7   | 30.2   | 7.5   | 7.5   | 7.5   | 9.0   | 9.0   |
| 87.5° | 12.1   | 10.6   | 12.1   | 12.1   | 9.0    | 10.6   | 6.0   | 6.0   | 6.0   | 7.5   | 7.5   |
| 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: P150424

CATALOG NUMBER: VXM-F06-LED-E1-SL3-HSS-7030

**CANDELA DISTRIBUTION (continued):**

|       | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 236.8 | 236.8 | 236.8 | 236.8 | 236.8 |
| 2.5°  | 200.6 | 200.6 | 197.5 | 202.1 | 202.1 |
| 5°    | 173.4 | 173.4 | 171.9 | 173.4 | 173.4 |
| 7.5°  | 158.3 | 156.8 | 156.8 | 156.8 | 158.3 |
| 10°   | 144.8 | 143.3 | 143.3 | 143.3 | 143.3 |
| 12.5° | 132.7 | 131.2 | 129.7 | 131.2 | 131.2 |
| 15°   | 122.1 | 119.1 | 119.1 | 119.1 | 119.1 |
| 17.5° | 113.1 | 110.1 | 108.6 | 108.6 | 108.6 |
| 20°   | 104.1 | 99.5  | 99.5  | 99.5  | 99.5  |
| 22.5° | 95.0  | 90.5  | 90.5  | 90.5  | 90.5  |
| 25°   | 86.0  | 81.4  | 81.4  | 81.4  | 81.4  |
| 27.5° | 78.4  | 73.9  | 73.9  | 73.9  | 73.9  |
| 30°   | 69.4  | 66.4  | 66.4  | 67.9  | 66.4  |
| 32.5° | 63.3  | 58.8  | 58.8  | 60.3  | 60.3  |
| 35°   | 55.8  | 52.8  | 52.8  | 52.8  | 52.8  |
| 37.5° | 48.3  | 45.2  | 45.2  | 45.2  | 45.2  |
| 40°   | 42.2  | 39.2  | 37.7  | 39.2  | 39.2  |
| 42.5° | 36.2  | 33.2  | 31.7  | 31.7  | 31.7  |
| 45°   | 31.7  | 27.1  | 25.6  | 27.1  | 27.1  |
| 47.5° | 25.6  | 22.6  | 22.6  | 24.1  | 24.1  |
| 50°   | 19.6  | 19.6  | 21.1  | 24.1  | 24.1  |
| 52.5° | 18.1  | 18.1  | 21.1  | 24.1  | 24.1  |
| 55°   | 16.6  | 18.1  | 21.1  | 22.6  | 24.1  |
| 57.5° | 15.1  | 18.1  | 21.1  | 22.6  | 22.6  |
| 60°   | 15.1  | 16.6  | 19.6  | 22.6  | 22.6  |
| 62.5° | 13.6  | 15.1  | 18.1  | 21.1  | 21.1  |
| 65°   | 13.6  | 15.1  | 18.1  | 21.1  | 21.1  |
| 66°   | 13.6  | 15.1  | 18.1  | 21.1  | 21.1  |
| 67.5° | 13.6  | 15.1  | 18.1  | 21.1  | 21.1  |
| 70°   | 13.6  | 15.1  | 18.1  | 19.6  | 19.6  |
| 72.5° | 12.1  | 13.6  | 16.6  | 19.6  | 19.6  |
| 75°   | 12.1  | 13.6  | 16.6  | 19.6  | 19.6  |
| 77.5° | 12.1  | 13.6  | 16.6  | 19.6  | 19.6  |
| 80°   | 12.1  | 13.6  | 16.6  | 18.1  | 19.6  |
| 82.5° | 10.6  | 13.6  | 15.1  | 18.1  | 18.1  |
| 85°   | 10.6  | 12.1  | 15.1  | 16.6  | 18.1  |
| 87.5° | 9.0   | 10.6  | 12.1  | 15.1  | 15.1  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)