

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: P150375

Luminaire Tested: **VXM-F01-LED-E1-SL3-HSS**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P150375  
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-F01-LED-E1-SL3-HSS  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (7) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1431.3 lumens  
Efficiency: N/A  
Efficacy: 55.3 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

Input Watts (W): 25.9  
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



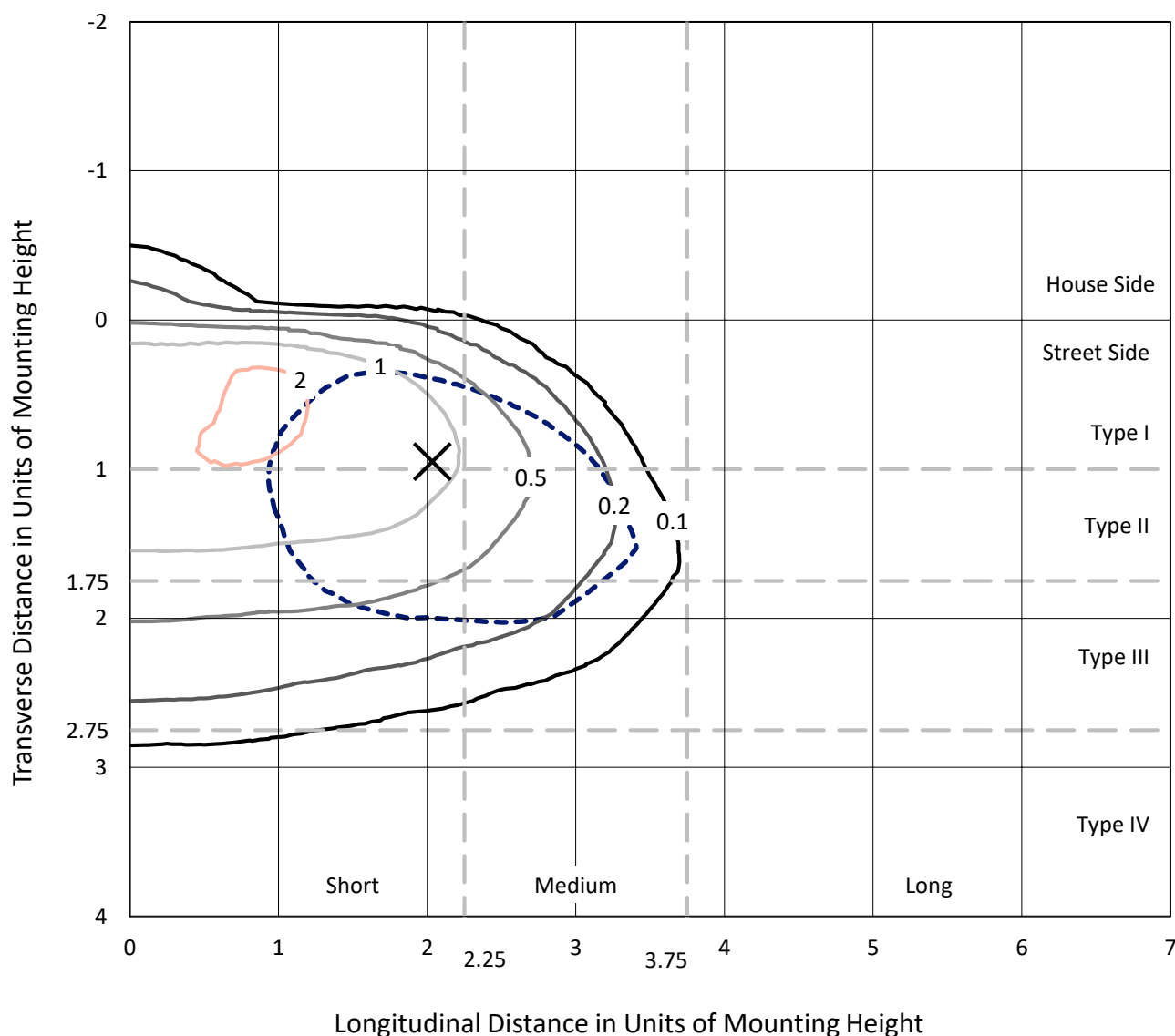
REPORT NUMBER: P150375

CATALOG NUMBER: VXM-F01-LED-E1-SL3-HSS

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

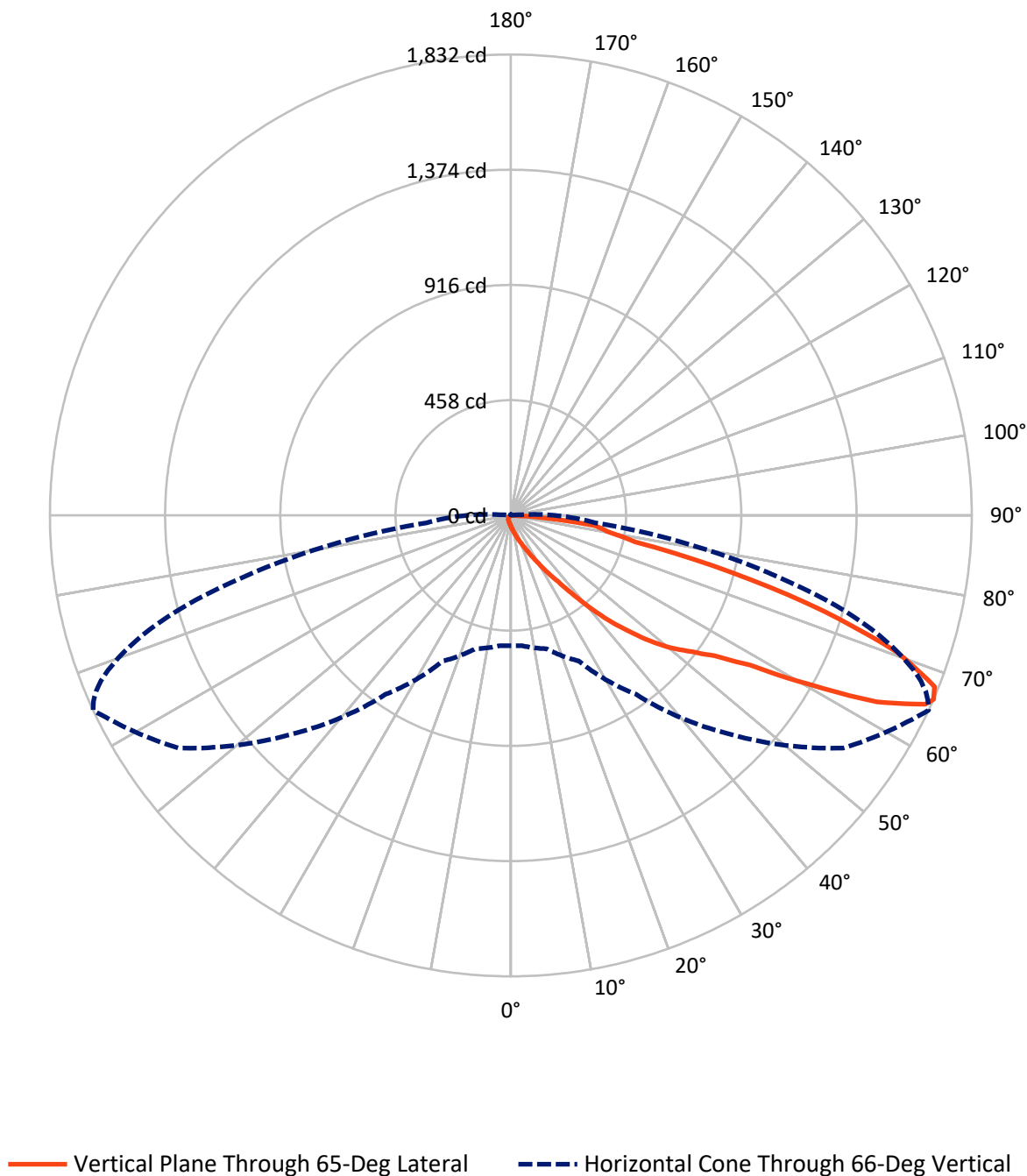


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc  
 Type III - Short - Non-Cutoff

REPORT NUMBER: P150375

CATALOG NUMBER: VXM-F01-LED-E1-SL3-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P150375

CATALOG NUMBER: VXM-F01-LED-E1-SL3-HSS

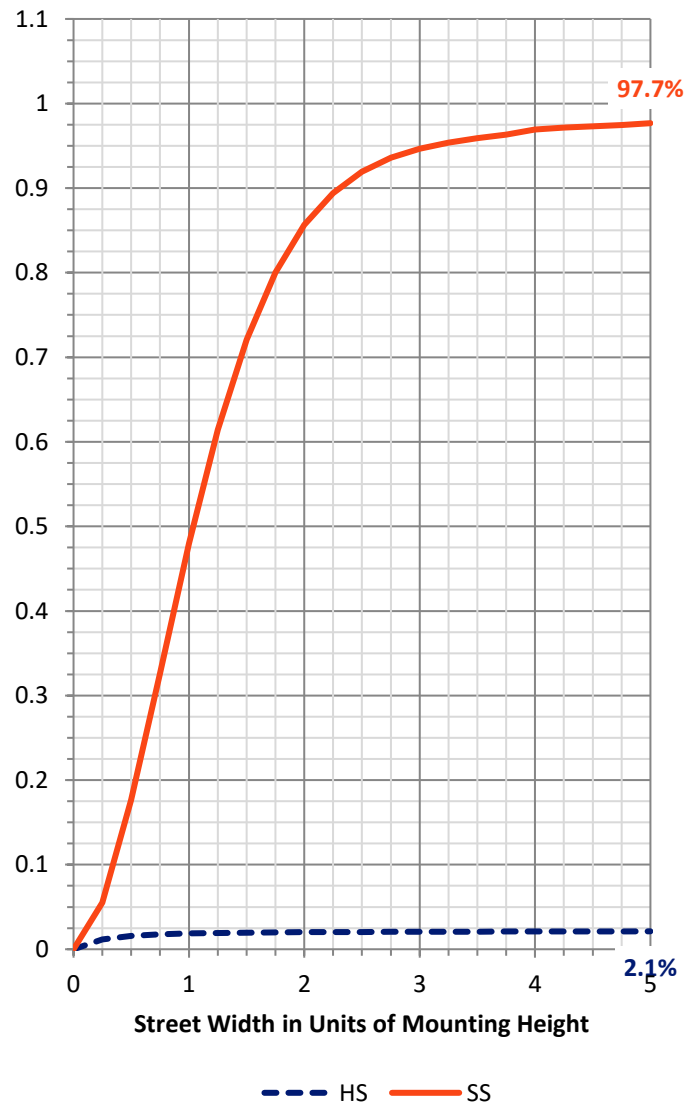
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 31.0     | 0.0    | 31.0   |
|                    | % Fixture | 2.2      | 0.0    | 2.2    |
| <b>Street Side</b> | Lumens    | 1400.3   | 0.0    | 1400.3 |
|                    | % Fixture | 97.8     | 0.0    | 97.8   |
| <b>Total</b>       | Lumens    | 1431.3   | 0.0    | 1431.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.8    | 0.3       |
| 10°-20°   | 20.5   | 1.4       |
| 20°-30°   | 44.2   | 3.1       |
| 30°-40°   | 94.5   | 6.6       |
| 40°-50°   | 208.9  | 14.6      |
| 50°-60°   | 354.0  | 24.7      |
| 60°-70°   | 472.4  | 33.0      |
| 70°-80°   | 208.1  | 14.5      |
| 80°-90°   | 24.0   | 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°    | 1431.3 | 100.0     |
| 0°-180°   | 1431.3 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P150375

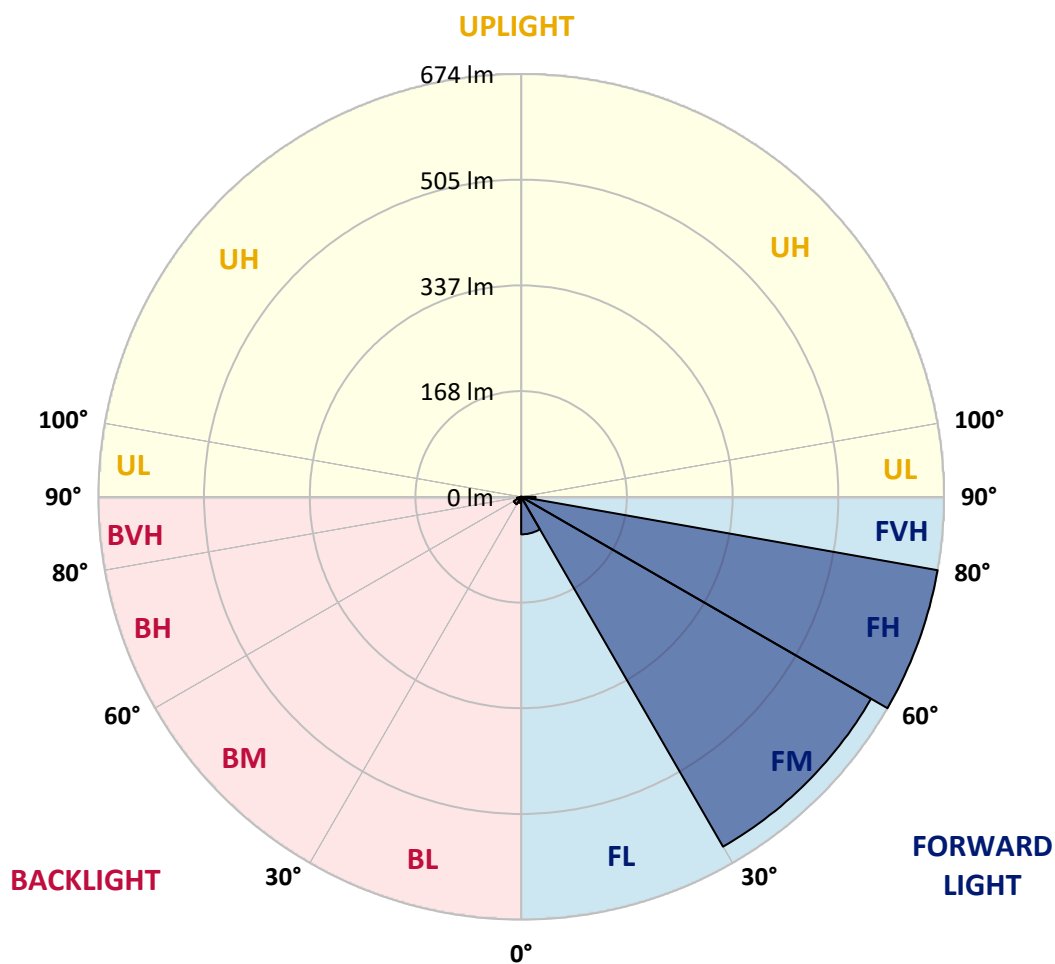
CATALOG NUMBER: VXM-F01-LED-E1-SL3-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 59.8   | 4.2       |                         |      |         |
| FM   | (30°-60°)   | 643.7  | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 673.8  | 47.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 23.0   | 1.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 9.8    | 0.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 13.6   | 1.0       | B0/220                  |      |         |
| BH   | (60°-80°)   | 6.7    | 0.5       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 1.0    | 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-G1**

Type III Short



REPORT NUMBER: P150375

CATALOG NUMBER: VXM-F01-LED-E1-SL3-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°    | 55°    | 65°    | 66°    | 67°    | 68°    |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0°    | 43.2  | 43.2  | 43.2  | 43.2  | 43.2  | 43.2   | 43.2   | 43.2   | 43.2   | 43.2   | 43.2   |
| 2.5°  | 54.5  | 54.2  | 53.1  | 53.1  | 51.5  | 50.4   | 49.0   | 47.6   | 47.6   | 47.3   | 47.1   |
| 5°    | 72.1  | 70.4  | 70.2  | 67.1  | 64.7  | 61.1   | 57.8   | 53.4   | 52.8   | 52.3   | 52.0   |
| 7.5°  | 91.6  | 91.4  | 88.9  | 85.3  | 80.4  | 73.7   | 67.1   | 60.0   | 58.9   | 58.3   | 57.2   |
| 10°   | 116.9 | 115.6 | 112.3 | 106.2 | 98.8  | 90.0   | 79.3   | 68.0   | 66.6   | 65.5   | 64.9   |
| 12.5° | 141.2 | 138.7 | 136.8 | 129.1 | 119.7 | 106.8  | 93.8   | 77.6   | 76.5   | 75.1   | 72.9   |
| 15°   | 163.7 | 161.5 | 158.2 | 151.6 | 141.2 | 124.9  | 109.8  | 90.0   | 87.2   | 85.3   | 83.7   |
| 17.5° | 181.3 | 180.0 | 176.1 | 168.7 | 157.4 | 143.1  | 124.9  | 102.6  | 100.4  | 98.0   | 94.9   |
| 20°   | 198.1 | 196.2 | 190.1 | 180.0 | 167.9 | 156.8  | 142.8  | 119.2  | 116.1  | 113.1  | 109.8  |
| 22.5° | 214.1 | 212.2 | 202.3 | 185.5 | 172.5 | 167.9  | 162.9  | 137.9  | 133.2  | 130.7  | 127.4  |
| 25°   | 236.4 | 232.2 | 216.8 | 190.1 | 172.8 | 176.4  | 184.9  | 162.1  | 157.7  | 154.1  | 148.9  |
| 27.5° | 266.4 | 260.9 | 236.7 | 197.0 | 173.9 | 185.7  | 210.2  | 191.5  | 186.8  | 182.7  | 176.9  |
| 30°   | 300.2 | 296.6 | 267.7 | 213.5 | 181.9 | 199.5  | 238.6  | 228.9  | 223.4  | 218.5  | 211.6  |
| 32.5° | 334.3 | 329.4 | 300.8 | 244.9 | 203.4 | 226.2  | 274.1  | 272.4  | 265.3  | 260.6  | 253.2  |
| 35°   | 364.3 | 361.9 | 340.7 | 296.4 | 252.3 | 273.0  | 321.4  | 323.3  | 317.0  | 312.0  | 303.8  |
| 37.5° | 384.7 | 384.7 | 380.6 | 351.7 | 330.2 | 345.6  | 391.0  | 391.3  | 385.0  | 373.7  | 369.6  |
| 40°   | 395.2 | 398.2 | 413.0 | 418.5 | 417.4 | 437.3  | 482.4  | 477.4  | 472.2  | 466.4  | 452.7  |
| 42.5° | 416.6 | 419.4 | 451.0 | 489.0 | 513.8 | 539.9  | 571.0  | 569.3  | 563.0  | 552.6  | 539.9  |
| 45°   | 452.9 | 456.5 | 494.2 | 554.5 | 605.4 | 642.5  | 662.3  | 654.6  | 648.3  | 638.4  | 631.8  |
| 47.5° | 499.2 | 506.0 | 548.7 | 623.3 | 684.6 | 746.0  | 766.6  | 746.3  | 740.8  | 733.1  | 722.3  |
| 50°   | 548.4 | 555.0 | 600.4 | 685.7 | 755.1 | 828.3  | 862.7  | 828.3  | 820.3  | 817.8  | 805.7  |
| 52.5° | 591.1 | 596.6 | 640.3 | 733.9 | 809.0 | 894.9  | 945.0  | 899.5  | 893.8  | 885.5  | 876.7  |
| 55°   | 616.4 | 620.8 | 661.8 | 757.0 | 845.6 | 954.9  | 1024.5 | 984.6  | 976.0  | 972.7  | 960.1  |
| 57.5° | 624.9 | 629.3 | 666.2 | 760.0 | 865.4 | 1009.6 | 1121.1 | 1122.4 | 1112.3 | 1100.4 | 1096.6 |
| 60°   | 624.9 | 629.9 | 661.0 | 752.6 | 884.7 | 1068.0 | 1249.8 | 1364.6 | 1342.6 | 1340.4 | 1326.3 |
| 62.5° | 599.1 | 603.7 | 635.1 | 729.8 | 910.6 | 1146.7 | 1429.3 | 1631.8 | 1625.5 | 1611.1 | 1588.0 |
| 65°   | 542.9 | 545.7 | 576.5 | 671.4 | 900.6 | 1219.0 | 1584.7 | 1809.6 | 1799.4 | 1771.3 | 1741.6 |
| 66°   | 517.6 | 519.8 | 548.7 | 638.1 | 868.2 | 1228.9 | 1612.3 | 1831.8 | 1815.1 | 1791.4 | 1757.8 |
| 67.5° | 481.0 | 484.9 | 505.2 | 576.2 | 790.3 | 1194.5 | 1594.9 | 1816.2 | 1801.6 | 1773.0 | 1739.4 |
| 70°   | 321.1 | 318.4 | 390.2 | 442.2 | 602.1 | 973.3  | 1430.9 | 1630.7 | 1631.0 | 1617.5 | 1604.0 |
| 72.5° | 152.4 | 154.1 | 175.0 | 272.1 | 394.1 | 650.2  | 1138.9 | 1301.6 | 1320.3 | 1296.1 | 1279.3 |
| 75°   | 109.5 | 112.0 | 124.7 | 166.5 | 235.0 | 390.2  | 738.3  | 910.3  | 910.8  | 867.9  | 829.7  |
| 77.5° | 31.9  | 33.3  | 46.8  | 102.6 | 176.1 | 263.3  | 424.0  | 506.0  | 494.2  | 463.4  | 434.5  |
| 80°   | 13.2  | 13.2  | 13.8  | 32.7  | 70.7  | 178.9  | 296.6  | 389.6  | 388.3  | 376.4  | 359.4  |
| 82.5° | 5.0   | 5.2   | 6.6   | 13.5  | 16.8  | 44.0   | 197.9  | 338.2  | 337.4  | 320.6  | 308.5  |
| 85°   | 0.6   | 0.6   | 1.7   | 5.8   | 6.3   | 8.3    | 39.6   | 149.1  | 148.3  | 149.1  | 130.7  |
| 87.5° | 0.0   | 0.0   | 0.3   | 0.6   | 0.8   | 1.1    | 1.7    | 5.8    | 6.3    | 6.1    | 5.5    |
| 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: P150375

CATALOG NUMBER: VXM-F01-LED-E1-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 43.2   | 43.2   | 43.2   | 43.2   | 43.2   | 43.2   | 43.2   | 43.2   | 43.2   | 43.2   | 43.2  |
| 2.5°  | 47.1   | 46.5   | 46.5   | 46.2   | 46.2   | 46.2   | 46.0   | 45.7   | 45.7   | 45.4   | 45.1  |
| 5°    | 51.5   | 50.9   | 50.6   | 50.1   | 49.8   | 49.5   | 49.0   | 48.7   | 48.2   | 47.9   | 47.6  |
| 7.5°  | 56.7   | 55.6   | 55.3   | 54.5   | 53.7   | 53.1   | 52.6   | 51.7   | 51.2   | 50.1   | 49.8  |
| 10°   | 63.3   | 61.9   | 60.8   | 59.7   | 58.9   | 57.5   | 56.7   | 55.6   | 54.5   | 53.7   | 52.8  |
| 12.5° | 71.8   | 69.9   | 68.2   | 67.1   | 65.2   | 63.6   | 61.9   | 61.1   | 58.9   | 57.8   | 56.4  |
| 15°   | 81.2   | 79.0   | 77.0   | 74.8   | 73.5   | 70.7   | 68.5   | 66.0   | 64.9   | 63.0   | 60.8  |
| 17.5° | 93.3   | 89.7   | 86.7   | 84.5   | 81.7   | 79.0   | 76.5   | 74.0   | 70.7   | 68.5   | 65.8  |
| 20°   | 106.2  | 103.2  | 99.1   | 95.2   | 91.9   | 88.6   | 85.0   | 81.7   | 78.7   | 75.1   | 71.8  |
| 22.5° | 122.7  | 118.3  | 113.4  | 109.5  | 105.1  | 101.5  | 96.6   | 92.2   | 87.2   | 82.6   | 78.7  |
| 25°   | 143.6  | 137.9  | 133.2  | 127.7  | 122.5  | 116.9  | 110.9  | 105.4  | 99.1   | 94.7   | 88.1  |
| 27.5° | 169.5  | 164.0  | 157.7  | 150.5  | 145.3  | 137.0  | 129.1  | 122.2  | 114.7  | 107.9  | 100.4 |
| 30°   | 202.5  | 194.5  | 187.9  | 181.1  | 170.6  | 162.6  | 153.3  | 143.9  | 133.7  | 126.9  | 115.6 |
| 32.5° | 242.2  | 233.6  | 223.7  | 213.8  | 204.2  | 192.9  | 181.3  | 169.8  | 158.5  | 145.8  | 134.3 |
| 35°   | 290.6  | 280.4  | 269.1  | 258.4  | 243.5  | 231.4  | 216.8  | 200.9  | 188.2  | 173.6  | 159.1 |
| 37.5° | 354.7  | 337.9  | 328.0  | 316.7  | 296.6  | 280.1  | 263.9  | 247.9  | 225.6  | 210.2  | 189.6 |
| 40°   | 435.1  | 425.1  | 408.9  | 390.7  | 372.6  | 350.8  | 328.8  | 307.6  | 281.8  | 260.3  | 236.4 |
| 42.5° | 529.4  | 514.9  | 498.3  | 472.2  | 453.8  | 428.2  | 403.1  | 375.1  | 343.4  | 315.9  | 287.8 |
| 45°   | 618.0  | 600.7  | 588.0  | 561.9  | 542.6  | 512.4  | 482.1  | 452.4  | 415.8  | 380.3  | 347.8 |
| 47.5° | 713.8  | 699.5  | 678.6  | 657.4  | 637.9  | 603.7  | 571.0  | 534.9  | 496.4  | 454.3  | 412.2 |
| 50°   | 798.0  | 786.7  | 772.4  | 746.8  | 725.1  | 696.5  | 657.9  | 618.6  | 569.9  | 528.1  | 480.2 |
| 52.5° | 869.6  | 860.7  | 840.7  | 822.5  | 803.0  | 776.0  | 741.6  | 703.9  | 651.3  | 605.4  | 550.9 |
| 55°   | 954.0  | 947.7  | 930.1  | 918.8  | 901.5  | 875.6  | 843.4  | 808.5  | 752.9  | 702.8  | 641.2 |
| 57.5° | 1092.4 | 1087.5 | 1072.1 | 1067.4 | 1050.3 | 1027.8 | 988.2  | 950.7  | 885.8  | 823.6  | 753.2 |
| 60°   | 1321.7 | 1311.8 | 1289.2 | 1277.6 | 1241.6 | 1211.3 | 1159.9 | 1108.4 | 1030.0 | 950.7  | 866.0 |
| 62.5° | 1567.1 | 1539.3 | 1496.4 | 1459.5 | 1408.3 | 1355.8 | 1287.0 | 1208.3 | 1116.4 | 1022.3 | 924.9 |
| 65°   | 1699.5 | 1652.2 | 1597.9 | 1539.3 | 1473.0 | 1395.7 | 1309.0 | 1214.6 | 1115.8 | 1016.5 | 913.6 |
| 66°   | 1714.6 | 1661.2 | 1603.7 | 1538.5 | 1464.8 | 1382.5 | 1294.4 | 1195.4 | 1092.7 | 995.9  | 892.9 |
| 67.5° | 1695.6 | 1639.8 | 1579.0 | 1506.6 | 1426.8 | 1341.5 | 1249.0 | 1146.1 | 1047.3 | 949.1  | 848.9 |
| 70°   | 1562.7 | 1507.1 | 1452.9 | 1376.7 | 1291.7 | 1205.8 | 1118.3 | 1003.3 | 909.7  | 819.5  | 730.3 |
| 72.5° | 1247.9 | 1210.2 | 1156.6 | 1091.3 | 1008.5 | 907.8  | 834.9  | 732.0  | 650.8  | 563.3  | 494.2 |
| 75°   | 779.8  | 726.7  | 660.4  | 577.3  | 514.0  | 432.3  | 389.6  | 311.5  | 265.3  | 224.8  | 185.7 |
| 77.5° | 398.7  | 358.8  | 312.3  | 265.5  | 220.7  | 176.1  | 136.2  | 96.3   | 64.9   | 45.1   | 33.6  |
| 80°   | 329.4  | 294.2  | 255.6  | 213.0  | 173.4  | 134.6  | 96.9   | 66.0   | 42.1   | 27.5   | 21.5  |
| 82.5° | 272.1  | 242.4  | 208.0  | 168.4  | 134.0  | 105.7  | 73.5   | 47.9   | 29.7   | 19.3   | 15.1  |
| 85°   | 115.8  | 105.1  | 81.2   | 64.4   | 48.4   | 35.8   | 25.0   | 16.8   | 11.8   | 9.6    | 8.8   |
| 87.5° | 5.0    | 5.5    | 5.2    | 4.1    | 3.0    | 3.0    | 2.8    | 2.2    | 2.2    | 2.2    | 2.2   |
| 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: P150375

CATALOG NUMBER: VXM-F01-LED-E1-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 80°   | 81°   | 82°   | 83°   | 84°   | 85°   | 95°  | 105° | 115° | 125° | 135° |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 0°    | 43.2  | 43.2  | 43.2  | 43.2  | 43.2  | 43.2  | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| 2.5°  | 45.1  | 44.9  | 44.6  | 44.6  | 44.3  | 44.0  | 42.4 | 41.0 | 39.4 | 38.2 | 37.1 |
| 5°    | 47.1  | 46.8  | 46.2  | 46.0  | 45.4  | 45.1  | 41.6 | 38.5 | 36.0 | 34.1 | 32.7 |
| 7.5°  | 49.0  | 48.7  | 47.9  | 47.1  | 46.8  | 46.2  | 40.5 | 36.6 | 33.3 | 31.1 | 29.7 |
| 10°   | 51.5  | 50.6  | 49.8  | 48.7  | 47.9  | 47.1  | 39.4 | 34.4 | 30.8 | 28.9 | 27.5 |
| 12.5° | 55.0  | 53.7  | 52.3  | 50.9  | 49.8  | 48.4  | 38.8 | 32.5 | 28.9 | 26.7 | 25.3 |
| 15°   | 59.2  | 57.2  | 55.6  | 53.9  | 52.0  | 50.6  | 37.7 | 30.8 | 27.2 | 25.0 | 23.4 |
| 17.5° | 63.0  | 60.8  | 58.3  | 55.9  | 53.9  | 52.0  | 36.6 | 29.2 | 25.6 | 23.4 | 21.7 |
| 20°   | 68.5  | 65.2  | 62.2  | 59.2  | 56.4  | 53.9  | 34.9 | 27.5 | 24.2 | 21.7 | 20.1 |
| 22.5° | 74.6  | 70.7  | 66.9  | 62.7  | 59.2  | 55.9  | 33.6 | 26.1 | 22.8 | 20.4 | 18.4 |
| 25°   | 82.3  | 77.6  | 72.4  | 67.1  | 63.0  | 58.6  | 32.2 | 24.8 | 21.5 | 19.0 | 17.1 |
| 27.5° | 93.0  | 86.4  | 80.6  | 74.0  | 67.7  | 62.7  | 31.1 | 23.7 | 20.1 | 17.6 | 15.7 |
| 30°   | 107.6 | 98.0  | 88.9  | 81.7  | 74.3  | 67.1  | 30.0 | 22.3 | 19.0 | 16.2 | 14.0 |
| 32.5° | 123.8 | 112.5 | 102.1 | 91.4  | 82.0  | 73.7  | 28.9 | 21.2 | 17.6 | 14.9 | 12.9 |
| 35°   | 143.9 | 129.6 | 115.6 | 103.2 | 91.9  | 80.9  | 27.8 | 20.1 | 16.5 | 13.5 | 11.6 |
| 37.5° | 172.8 | 154.9 | 136.5 | 120.5 | 105.9 | 91.4  | 27.0 | 19.0 | 15.1 | 12.1 | 10.2 |
| 40°   | 212.4 | 189.3 | 166.8 | 145.0 | 126.0 | 107.9 | 25.9 | 17.9 | 14.0 | 11.0 | 9.1  |
| 42.5° | 255.4 | 227.3 | 197.6 | 173.1 | 146.9 | 124.1 | 24.8 | 16.8 | 12.9 | 9.9  | 8.0  |
| 45°   | 308.7 | 273.8 | 237.8 | 204.5 | 172.5 | 143.1 | 23.7 | 15.7 | 11.6 | 8.8  | 6.9  |
| 47.5° | 367.1 | 322.5 | 281.8 | 240.0 | 202.0 | 166.8 | 22.3 | 14.9 | 10.5 | 7.7  | 6.1  |
| 50°   | 427.1 | 380.0 | 328.6 | 281.0 | 235.8 | 190.4 | 20.9 | 13.5 | 9.4  | 6.9  | 5.0  |
| 52.5° | 491.7 | 436.2 | 383.6 | 324.4 | 271.9 | 221.5 | 19.5 | 12.4 | 8.5  | 6.1  | 4.1  |
| 55°   | 574.0 | 511.8 | 450.2 | 383.9 | 320.6 | 257.6 | 18.2 | 11.0 | 7.4  | 5.2  | 3.3  |
| 57.5° | 677.5 | 603.7 | 528.1 | 453.2 | 376.4 | 304.9 | 17.1 | 9.6  | 6.3  | 4.4  | 2.8  |
| 60°   | 775.2 | 689.0 | 597.4 | 511.3 | 424.6 | 341.2 | 15.4 | 8.5  | 5.5  | 3.6  | 2.8  |
| 62.5° | 825.8 | 727.6 | 628.8 | 533.8 | 441.4 | 354.2 | 13.8 | 7.2  | 4.7  | 3.0  | 2.5  |
| 65°   | 813.4 | 713.3 | 617.5 | 521.7 | 431.2 | 345.9 | 12.1 | 6.3  | 4.1  | 2.8  | 2.5  |
| 66°   | 795.5 | 696.5 | 600.2 | 509.1 | 422.7 | 337.1 | 11.3 | 6.1  | 3.9  | 2.8  | 2.2  |
| 67.5° | 756.5 | 660.7 | 568.8 | 484.0 | 399.3 | 320.3 | 10.2 | 5.5  | 3.6  | 2.5  | 2.2  |
| 70°   | 646.1 | 559.2 | 485.7 | 410.3 | 341.2 | 269.9 | 8.3  | 4.7  | 3.0  | 2.2  | 2.2  |
| 72.5° | 427.6 | 368.5 | 319.5 | 274.9 | 229.8 | 178.3 | 6.9  | 3.9  | 2.5  | 2.2  | 1.9  |
| 75°   | 161.3 | 145.8 | 125.2 | 112.5 | 98.2  | 86.1  | 5.5  | 2.5  | 1.9  | 1.9  | 1.9  |
| 77.5° | 28.6  | 26.4  | 23.4  | 21.5  | 19.8  | 18.2  | 4.4  | 1.7  | 1.7  | 1.9  | 1.9  |
| 80°   | 19.3  | 17.9  | 16.2  | 14.9  | 13.8  | 12.4  | 3.0  | 1.4  | 1.7  | 1.7  | 1.9  |
| 82.5° | 13.8  | 12.9  | 12.1  | 11.0  | 10.2  | 9.1   | 1.9  | 1.4  | 1.7  | 1.7  | 1.7  |
| 85°   | 8.3   | 7.7   | 7.2   | 6.6   | 5.8   | 5.5   | 1.4  | 1.4  | 1.4  | 1.7  | 1.7  |
| 87.5° | 2.2   | 1.9   | 2.2   | 2.2   | 1.7   | 1.9   | 1.1  | 1.1  | 1.1  | 1.4  | 1.4  |
| 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: P150375

CATALOG NUMBER: VXM-F01-LED-E1-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|
| 0°    | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| 2.5°  | 36.6 | 36.6 | 36.0 | 36.9 | 36.9 |
| 5°    | 31.6 | 31.6 | 31.4 | 31.6 | 31.6 |
| 7.5°  | 28.9 | 28.6 | 28.6 | 28.6 | 28.9 |
| 10°   | 26.4 | 26.1 | 26.1 | 26.1 | 26.1 |
| 12.5° | 24.2 | 23.9 | 23.7 | 23.9 | 23.9 |
| 15°   | 22.3 | 21.7 | 21.7 | 21.7 | 21.7 |
| 17.5° | 20.6 | 20.1 | 19.8 | 19.8 | 19.8 |
| 20°   | 19.0 | 18.2 | 18.2 | 18.2 | 18.2 |
| 22.5° | 17.3 | 16.5 | 16.5 | 16.5 | 16.5 |
| 25°   | 15.7 | 14.9 | 14.9 | 14.9 | 14.9 |
| 27.5° | 14.3 | 13.5 | 13.5 | 13.5 | 13.5 |
| 30°   | 12.7 | 12.1 | 12.1 | 12.4 | 12.1 |
| 32.5° | 11.6 | 10.7 | 10.7 | 11.0 | 11.0 |
| 35°   | 10.2 | 9.6  | 9.6  | 9.6  | 9.6  |
| 37.5° | 8.8  | 8.3  | 8.3  | 8.3  | 8.3  |
| 40°   | 7.7  | 7.2  | 6.9  | 7.2  | 7.2  |
| 42.5° | 6.6  | 6.1  | 5.8  | 5.8  | 5.8  |
| 45°   | 5.8  | 5.0  | 4.7  | 5.0  | 5.0  |
| 47.5° | 4.7  | 4.1  | 4.1  | 4.4  | 4.4  |
| 50°   | 3.6  | 3.6  | 3.9  | 4.4  | 4.4  |
| 52.5° | 3.3  | 3.3  | 3.9  | 4.4  | 4.4  |
| 55°   | 3.0  | 3.3  | 3.9  | 4.1  | 4.4  |
| 57.5° | 2.8  | 3.3  | 3.9  | 4.1  | 4.1  |
| 60°   | 2.8  | 3.0  | 3.6  | 4.1  | 4.1  |
| 62.5° | 2.5  | 2.8  | 3.3  | 3.9  | 3.9  |
| 65°   | 2.5  | 2.8  | 3.3  | 3.9  | 3.9  |
| 66°   | 2.5  | 2.8  | 3.3  | 3.9  | 3.9  |
| 67.5° | 2.5  | 2.8  | 3.3  | 3.9  | 3.9  |
| 70°   | 2.5  | 2.8  | 3.3  | 3.6  | 3.6  |
| 72.5° | 2.2  | 2.5  | 3.0  | 3.6  | 3.6  |
| 75°   | 2.2  | 2.5  | 3.0  | 3.6  | 3.6  |
| 77.5° | 2.2  | 2.5  | 3.0  | 3.6  | 3.6  |
| 80°   | 2.2  | 2.5  | 3.0  | 3.3  | 3.6  |
| 82.5° | 1.9  | 2.5  | 2.8  | 3.3  | 3.3  |
| 85°   | 1.9  | 2.2  | 2.8  | 3.0  | 3.3  |
| 87.5° | 1.7  | 1.9  | 2.2  | 2.8  | 2.8  |
| 90°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)