

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: P155364

Luminaire Tested: **VXM-F02-LED-E1-T3-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P155364  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXM-F02-LED-E1-T3-7030  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3  
Light Source: (14) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4650.5 lumens  
Efficiency: N/A  
Efficacy: 84.6 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

Input Watts (W): 55  
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



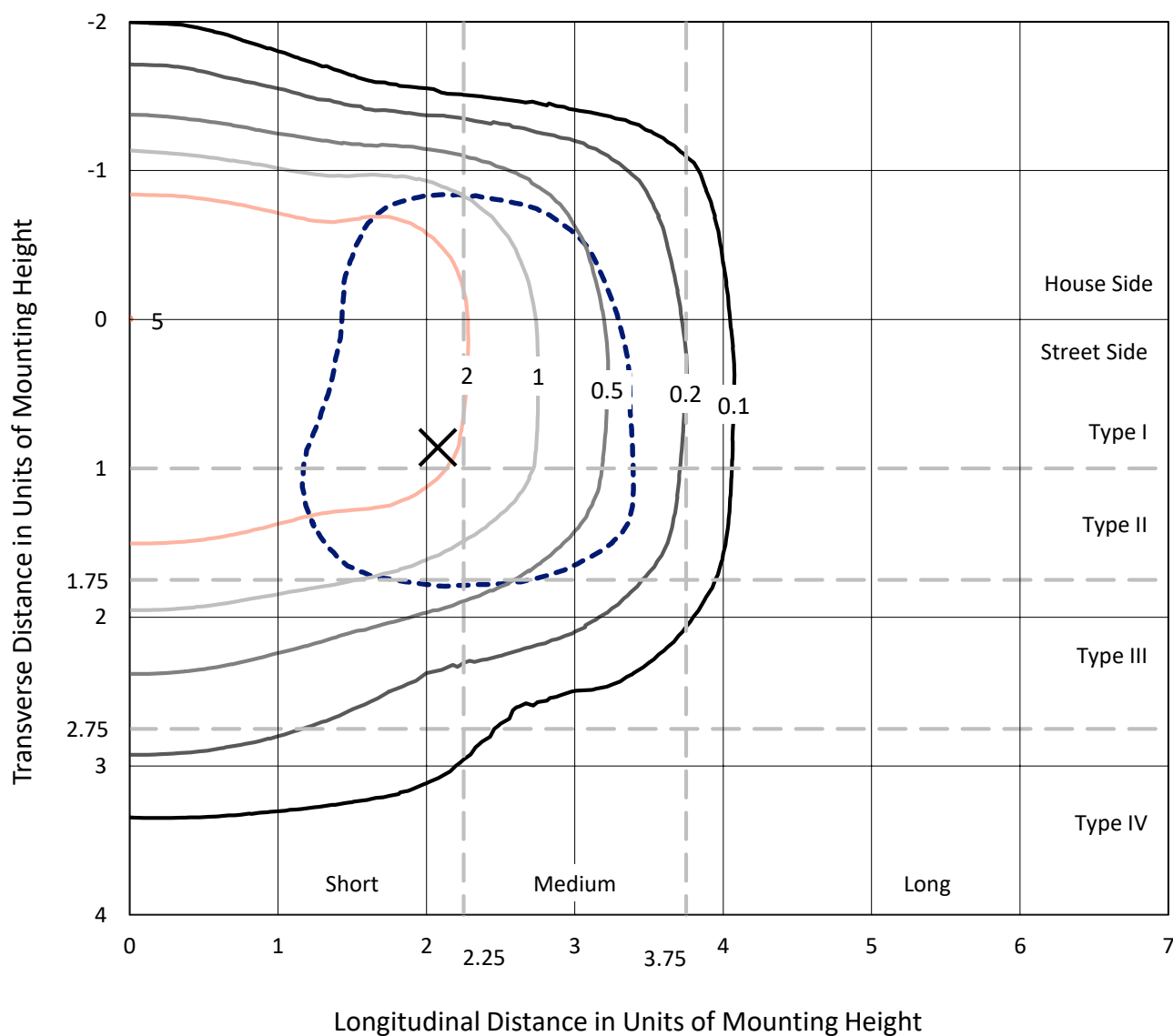
REPORT NUMBER: P155364

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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

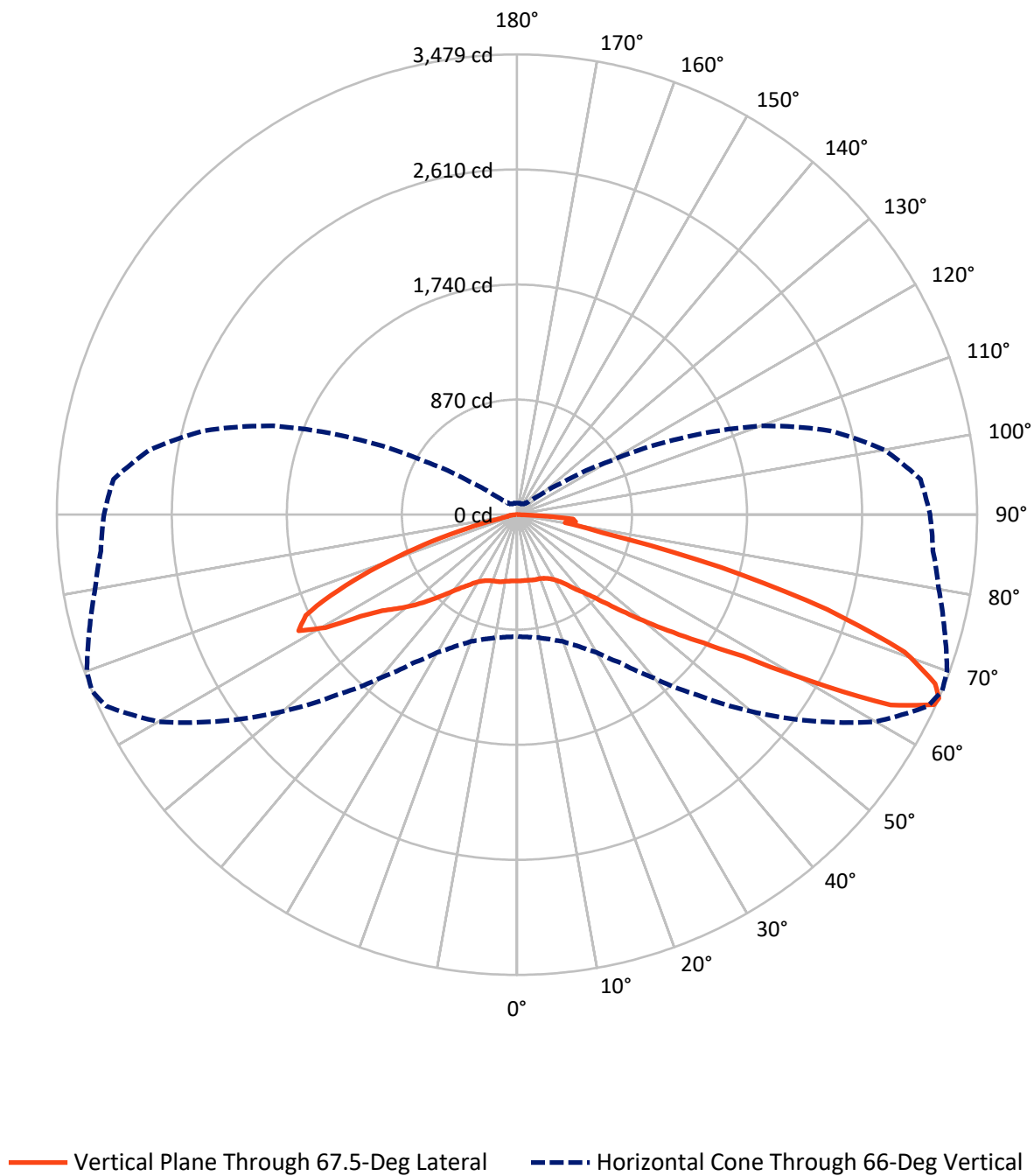


Based on 10 foot mounting height. Maximum calculated value = 5 fc  
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P155364

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## Luminous Intensity Polar Plot



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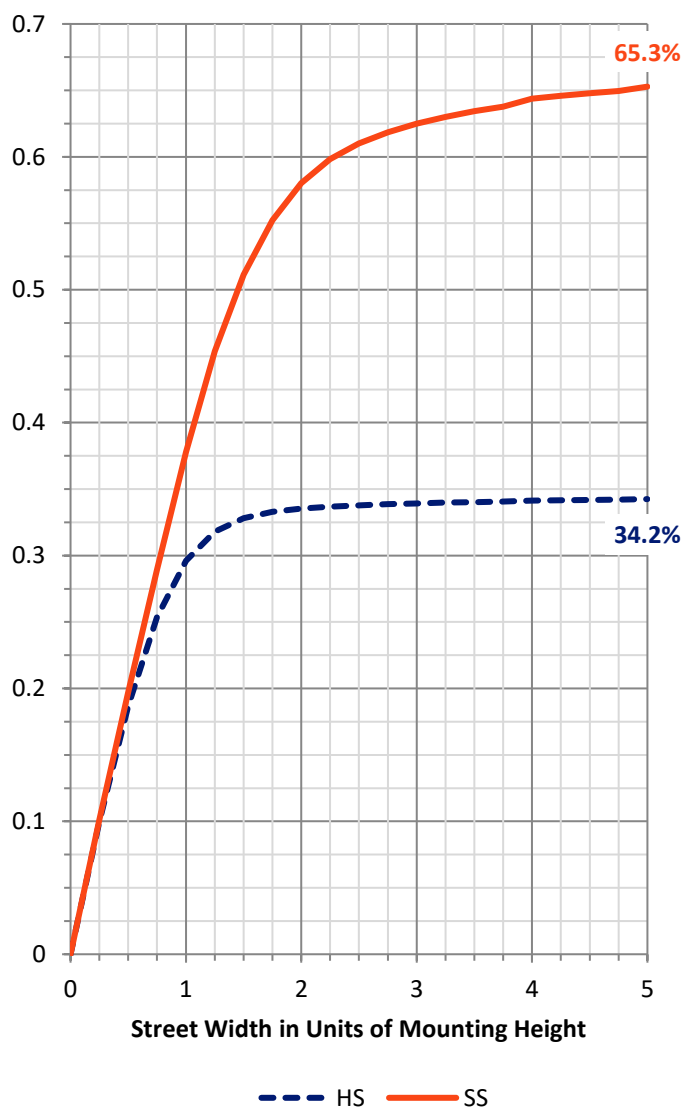
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1606.0   | 0.0    | 1606.0 |
|                    | % Fixture | 34.5     | 0.0    | 34.5   |
| <b>Street Side</b> | Lumens    | 3044.5   | 0.0    | 3044.5 |
|                    | % Fixture | 65.5     | 0.0    | 65.5   |
| <b>Total</b>       | Lumens    | 4650.5   | 0.0    | 4650.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 48.0   | 1.0       |
| 10°-20°   | 141.7  | 3.0       |
| 20°-30°   | 243.5  | 5.2       |
| 30°-40°   | 395.3  | 8.5       |
| 40°-50°   | 660.0  | 14.2      |
| 50°-60°   | 1039.2 | 22.3      |
| 60°-70°   | 1417.1 | 30.5      |
| 70°-80°   | 613.5  | 13.2      |
| 80°-90°   | 92.2   | 2.0       |
| 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°    | 4650.5 | 100.0     |
| 0°-180°   | 4650.5 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P155364

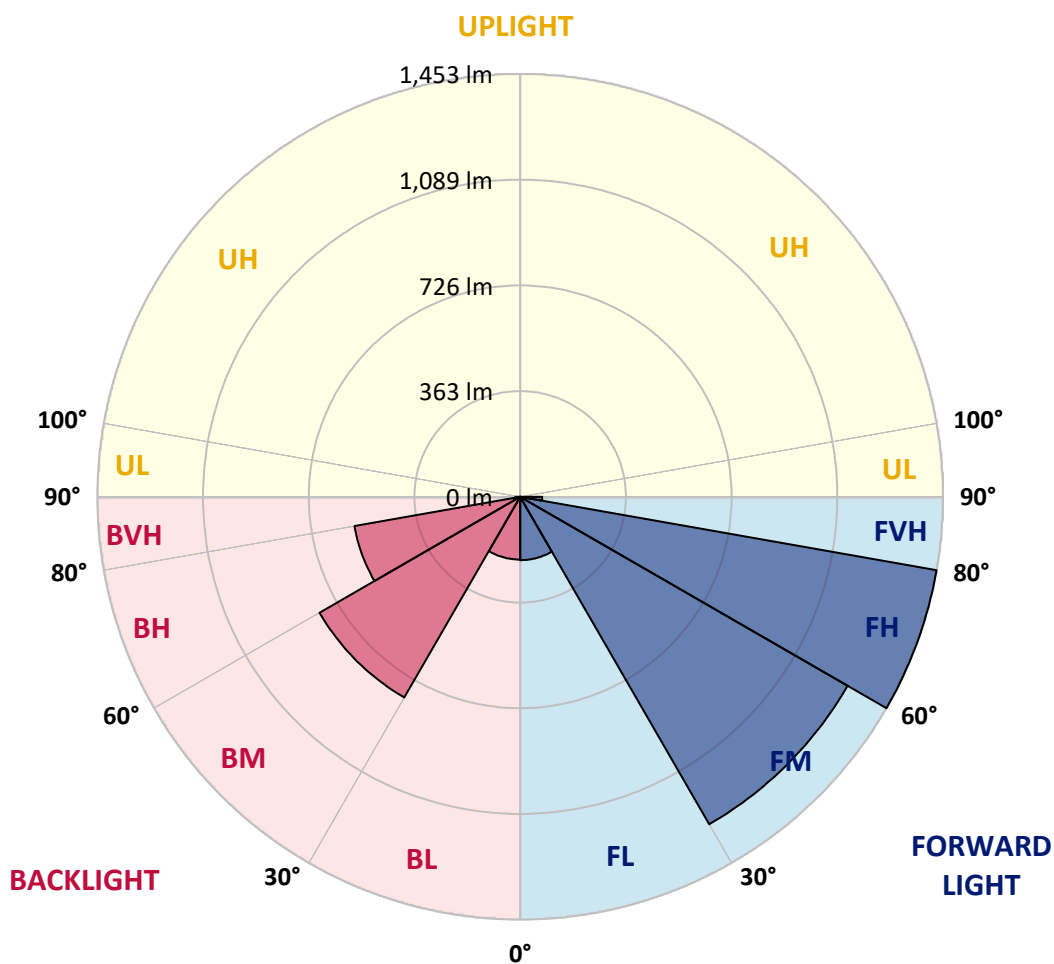
CATALOG NUMBER: VXM-F02-LED-E1-T3-7030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 217.6  | 4.7       |                         |      |         |
| FM   | (30°-60°)   | 1298.7 | 27.9      |                         |      |         |
| FH   | (60°-80°)   | 1452.5 | 31.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 75.7   | 1.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 215.6  | 4.6       | B1/500                  |      |         |
| BM   | (30°-60°)   | 795.8  | 17.1      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 578.1  | 12.4      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 16.5   | 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-G2**

Type III Short



REPORT NUMBER: P155364

CATALOG NUMBER: VXM-F02-LED-E1-T3-7030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 501.2  | 501.2  | 501.2  | 501.2  | 501.2  | 501.2  | 501.2  | 501.2  | 501.2  | 501.2  | 501.2  |
| 2.5°  | 503.2  | 505.2  | 503.2  | 503.7  | 504.2  | 503.7  | 503.2  | 503.2  | 501.7  | 502.7  | 503.7  |
| 5°    | 501.2  | 502.7  | 502.2  | 502.7  | 503.2  | 502.7  | 502.2  | 502.7  | 501.7  | 502.2  | 503.7  |
| 7.5°  | 498.6  | 498.1  | 498.6  | 499.6  | 500.7  | 500.7  | 500.7  | 501.2  | 500.7  | 500.7  | 502.2  |
| 10°   | 491.1  | 491.6  | 492.6  | 494.1  | 494.6  | 496.1  | 496.1  | 497.6  | 498.1  | 499.1  | 501.2  |
| 12.5° | 481.6  | 482.1  | 483.1  | 484.1  | 486.6  | 489.1  | 489.1  | 492.6  | 494.1  | 496.6  | 500.1  |
| 15°   | 474.5  | 475.0  | 476.0  | 477.0  | 479.0  | 481.6  | 483.1  | 487.1  | 489.6  | 494.1  | 499.1  |
| 17.5° | 478.5  | 478.0  | 479.0  | 479.5  | 479.5  | 481.6  | 481.6  | 484.6  | 487.6  | 491.6  | 498.1  |
| 20°   | 490.1  | 490.1  | 491.1  | 491.1  | 490.6  | 491.6  | 489.6  | 489.6  | 490.1  | 492.1  | 496.6  |
| 22.5° | 501.7  | 501.2  | 503.2  | 504.2  | 504.7  | 506.2  | 504.2  | 503.7  | 501.2  | 499.6  | 501.2  |
| 25°   | 512.7  | 512.2  | 514.7  | 516.2  | 518.7  | 520.3  | 520.3  | 520.3  | 518.2  | 515.7  | 514.2  |
| 27.5° | 529.8  | 529.8  | 532.3  | 533.8  | 535.8  | 538.9  | 540.4  | 540.4  | 540.9  | 537.3  | 534.8  |
| 30°   | 558.5  | 559.0  | 559.5  | 561.5  | 563.5  | 564.5  | 566.5  | 568.0  | 569.5  | 567.5  | 563.5  |
| 32.5° | 592.6  | 589.6  | 589.6  | 592.6  | 595.2  | 598.2  | 599.2  | 601.2  | 604.2  | 602.7  | 602.2  |
| 35°   | 633.4  | 632.3  | 631.3  | 632.3  | 635.4  | 638.9  | 642.9  | 646.4  | 644.4  | 647.4  | 645.9  |
| 37.5° | 693.7  | 694.7  | 695.2  | 695.2  | 694.7  | 695.7  | 697.7  | 701.2  | 700.2  | 701.2  | 703.2  |
| 40°   | 793.2  | 789.7  | 786.2  | 786.7  | 781.6  | 782.6  | 774.6  | 778.1  | 778.6  | 775.1  | 776.6  |
| 42.5° | 892.7  | 894.7  | 896.2  | 900.3  | 896.7  | 894.7  | 887.2  | 887.2  | 883.2  | 879.7  | 878.7  |
| 45°   | 1000.3 | 1004.3 | 1004.8 | 1012.9 | 1009.8 | 1016.4 | 1021.9 | 1020.4 | 1013.9 | 1013.4 | 1006.3 |
| 47.5° | 1086.3 | 1092.8 | 1099.8 | 1109.4 | 1116.9 | 1131.5 | 1148.6 | 1157.1 | 1162.2 | 1166.2 | 1158.1 |
| 50°   | 1150.6 | 1153.6 | 1171.7 | 1186.8 | 1203.4 | 1227.5 | 1251.1 | 1281.8 | 1306.4 | 1318.0 | 1329.0 |
| 52.5° | 1185.3 | 1192.8 | 1212.4 | 1236.0 | 1265.2 | 1301.4 | 1339.6 | 1388.4 | 1430.6 | 1458.7 | 1483.9 |
| 55°   | 1192.8 | 1200.4 | 1222.5 | 1252.6 | 1292.3 | 1341.1 | 1395.9 | 1462.2 | 1525.6 | 1579.9 | 1632.6 |
| 57.5° | 1171.7 | 1180.3 | 1203.9 | 1238.6 | 1285.3 | 1344.6 | 1413.5 | 1500.4 | 1587.9 | 1675.9 | 1753.8 |
| 60°   | 1133.0 | 1143.6 | 1165.2 | 1199.4 | 1251.1 | 1318.0 | 1400.4 | 1509.5 | 1632.1 | 1766.9 | 1916.1 |
| 62.5° | 1069.2 | 1080.2 | 1100.3 | 1138.0 | 1191.3 | 1265.2 | 1360.7 | 1496.4 | 1669.8 | 1882.0 | 2146.9 |
| 65°   | 966.6  | 971.6  | 996.3  | 1034.5 | 1081.7 | 1163.2 | 1268.2 | 1432.1 | 1657.8 | 1952.8 | 2317.8 |
| 66°   | 920.4  | 928.9  | 944.0  | 974.7  | 1019.9 | 1096.3 | 1201.9 | 1368.2 | 1612.0 | 1928.2 | 2313.3 |
| 67.5° | 848.0  | 854.5  | 864.6  | 885.2  | 912.8  | 969.1  | 1069.2 | 1226.5 | 1472.3 | 1803.6 | 2217.2 |
| 70°   | 685.6  | 688.6  | 702.2  | 709.3  | 718.8  | 737.4  | 773.6  | 864.1  | 1055.6 | 1366.7 | 1789.5 |
| 72.5° | 467.5  | 476.0  | 490.6  | 510.7  | 536.8  | 562.0  | 579.1  | 590.6  | 631.8  | 815.3  | 1192.3 |
| 75°   | 342.8  | 351.9  | 370.5  | 397.1  | 442.8  | 495.1  | 549.4  | 574.5  | 557.5  | 533.8  | 664.0  |
| 77.5° | 199.1  | 211.1  | 226.7  | 252.3  | 294.6  | 363.9  | 456.9  | 539.4  | 595.2  | 598.7  | 568.5  |
| 80°   | 83.9   | 85.5   | 95.0   | 108.1  | 134.2  | 183.0  | 255.4  | 374.0  | 497.6  | 581.1  | 600.7  |
| 82.5° | 19.1   | 23.6   | 30.2   | 35.7   | 43.7   | 60.3   | 89.5   | 148.8  | 268.9  | 421.7  | 549.9  |
| 85°   | 7.0    | 7.0    | 9.6    | 14.1   | 16.1   | 18.1   | 23.6   | 37.7   | 64.3   | 118.6  | 247.3  |
| 87.5° | 0.0    | 0.5    | 1.0    | 1.0    | 2.0    | 2.5    | 4.0    | 5.5    | 5.0    | 4.5    | 15.1   |
| 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: P155364

CATALOG NUMBER: VXM-F02-LED-E1-T3-7030

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 501.2  | 501.2  | 501.2  | 501.2  | 501.2  | 501.2  | 501.2  | 501.2  | 501.2  | 501.2  | 501.2  |
| 2.5°  | 502.7  | 502.2  | 501.2  | 501.2  | 501.2  | 501.2  | 500.1  | 500.7  | 499.6  | 500.1  | 500.1  |
| 5°    | 502.2  | 502.2  | 501.7  | 500.7  | 501.2  | 501.2  | 501.7  | 500.7  | 500.7  | 501.2  | 500.7  |
| 7.5°  | 502.2  | 501.7  | 501.7  | 501.7  | 502.2  | 501.7  | 502.2  | 502.2  | 502.2  | 502.7  | 502.7  |
| 10°   | 502.2  | 502.2  | 503.2  | 503.7  | 503.7  | 504.2  | 505.7  | 505.7  | 506.2  | 506.7  | 507.7  |
| 12.5° | 502.7  | 504.7  | 506.2  | 507.7  | 508.2  | 509.2  | 511.7  | 511.7  | 512.7  | 514.2  | 514.7  |
| 15°   | 503.2  | 506.2  | 509.2  | 510.2  | 511.2  | 513.2  | 515.7  | 516.7  | 518.2  | 519.8  | 520.8  |
| 17.5° | 502.7  | 506.7  | 510.2  | 511.7  | 513.2  | 515.7  | 518.7  | 519.8  | 521.8  | 523.8  | 525.8  |
| 20°   | 502.2  | 507.7  | 513.2  | 515.2  | 517.2  | 520.8  | 524.8  | 527.3  | 529.3  | 532.3  | 534.3  |
| 22.5° | 505.2  | 511.7  | 519.3  | 522.3  | 525.8  | 530.3  | 535.8  | 538.9  | 541.4  | 544.4  | 545.9  |
| 25°   | 514.7  | 519.8  | 528.8  | 533.8  | 538.4  | 545.9  | 553.4  | 556.9  | 560.0  | 562.5  | 563.0  |
| 27.5° | 530.8  | 532.3  | 543.4  | 549.9  | 556.4  | 568.5  | 577.6  | 580.1  | 585.6  | 587.6  | 587.1  |
| 30°   | 556.9  | 554.4  | 563.5  | 573.5  | 583.1  | 599.7  | 610.7  | 617.3  | 622.3  | 622.3  | 618.3  |
| 32.5° | 594.6  | 590.6  | 593.1  | 604.7  | 615.8  | 639.9  | 653.0  | 661.5  | 665.0  | 664.0  | 655.5  |
| 35°   | 643.9  | 641.4  | 639.9  | 648.9  | 666.5  | 694.7  | 711.8  | 716.3  | 721.8  | 720.8  | 709.8  |
| 37.5° | 702.2  | 700.2  | 700.2  | 710.8  | 727.9  | 769.6  | 788.2  | 791.2  | 790.7  | 782.6  | 762.0  |
| 40°   | 771.1  | 770.1  | 765.6  | 771.6  | 786.2  | 840.5  | 865.6  | 869.6  | 864.1  | 851.0  | 826.9  |
| 42.5° | 870.1  | 864.1  | 850.0  | 853.5  | 864.6  | 917.4  | 950.0  | 961.1  | 955.6  | 942.5  | 903.3  |
| 45°   | 999.3  | 992.8  | 969.1  | 966.1  | 972.1  | 1018.4 | 1060.6 | 1063.1 | 1062.1 | 1045.5 | 999.3  |
| 47.5° | 1151.1 | 1141.0 | 1115.9 | 1107.9 | 1105.9 | 1148.6 | 1189.3 | 1193.3 | 1190.8 | 1166.2 | 1104.3 |
| 50°   | 1315.5 | 1300.9 | 1284.3 | 1278.8 | 1270.7 | 1301.4 | 1342.6 | 1343.1 | 1333.1 | 1298.9 | 1241.1 |
| 52.5° | 1490.9 | 1485.9 | 1482.9 | 1477.3 | 1473.8 | 1500.4 | 1525.6 | 1510.5 | 1495.4 | 1459.7 | 1409.5 |
| 55°   | 1667.8 | 1688.4 | 1709.6 | 1711.6 | 1717.6 | 1746.2 | 1745.7 | 1704.5 | 1693.5 | 1673.9 | 1624.1 |
| 57.5° | 1855.8 | 1932.2 | 1998.6 | 2019.2 | 2039.3 | 2092.6 | 2087.6 | 2046.8 | 2032.8 | 2008.6 | 1967.4 |
| 60°   | 2111.7 | 2317.8 | 2509.3 | 2555.0 | 2586.7 | 2650.5 | 2644.5 | 2581.7 | 2610.8 | 2608.8 | 2555.5 |
| 62.5° | 2470.1 | 2812.9 | 3099.9 | 3170.3 | 3192.4 | 3199.4 | 3161.2 | 3093.4 | 3122.0 | 3154.2 | 2990.3 |
| 65°   | 2712.9 | 3116.0 | 3410.6 | 3464.9 | 3467.9 | 3383.9 | 3299.0 | 3219.0 | 3212.0 | 3184.4 | 2950.1 |
| 66°   | 2718.4 | 3131.1 | 3426.6 | 3479.4 | 3460.8 | 3346.2 | 3238.7 | 3158.2 | 3123.5 | 3062.7 | 2819.9 |
| 67.5° | 2620.9 | 3037.1 | 3355.3 | 3411.1 | 3370.4 | 3208.0 | 3059.7 | 2956.2 | 2888.3 | 2789.8 | 2575.6 |
| 70°   | 2201.2 | 2613.8 | 3005.9 | 3110.0 | 3123.0 | 2880.8 | 2675.2 | 2553.5 | 2462.0 | 2326.8 | 2142.3 |
| 72.5° | 1636.7 | 2009.6 | 2355.5 | 2455.0 | 2505.8 | 2312.2 | 2138.8 | 2046.3 | 1921.2 | 1778.9 | 1647.7 |
| 75°   | 1025.9 | 1289.3 | 1521.1 | 1590.9 | 1543.2 | 1393.4 | 1289.3 | 1250.6 | 1127.5 | 1042.5 | 982.7  |
| 77.5° | 586.6  | 669.0  | 687.6  | 661.0  | 604.7  | 463.0  | 329.2  | 243.8  | 211.6  | 234.2  | 258.4  |
| 80°   | 572.5  | 524.8  | 418.2  | 367.9  | 333.3  | 229.2  | 134.7  | 92.5   | 76.9   | 78.9   | 85.5   |
| 82.5° | 620.3  | 665.5  | 547.9  | 446.9  | 375.0  | 253.3  | 139.7  | 74.4   | 50.3   | 59.3   | 66.9   |
| 85°   | 403.1  | 561.0  | 505.2  | 425.8  | 344.8  | 216.6  | 115.1  | 38.7   | 25.6   | 33.7   | 46.2   |
| 87.5° | 40.7   | 44.7   | 38.2   | 51.8   | 38.7   | 18.1   | 9.0    | 5.5    | 5.0    | 6.0    | 9.0    |
| 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: P155364

CATALOG NUMBER: VXM-F02-LED-E1-T3-7030

**CANDELA DISTRIBUTION (continued):**

|       | 105°   | 110°   | 115°   | 120°   | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 501.2  | 501.2  | 501.2  | 501.2  | 501.2 | 501.2 | 501.2 | 501.2 | 501.2 | 501.2 | 501.2 |
| 2.5°  | 500.7  | 500.7  | 501.2  | 501.7  | 502.2 | 502.7 | 502.7 | 502.7 | 502.7 | 503.7 | 503.2 |
| 5°    | 501.7  | 502.7  | 503.7  | 504.2  | 505.2 | 505.2 | 506.7 | 506.2 | 506.2 | 507.7 | 508.2 |
| 7.5°  | 503.7  | 505.2  | 507.2  | 506.7  | 508.7 | 508.2 | 509.2 | 509.2 | 507.7 | 508.2 | 507.2 |
| 10°   | 508.2  | 510.2  | 511.2  | 509.7  | 510.2 | 508.2 | 507.7 | 505.2 | 502.2 | 500.7 | 498.6 |
| 12.5° | 515.7  | 517.7  | 517.7  | 515.2  | 512.2 | 507.7 | 504.2 | 498.6 | 494.1 | 491.6 | 489.1 |
| 15°   | 522.3  | 524.3  | 523.8  | 519.8  | 515.2 | 508.2 | 503.2 | 496.6 | 490.1 | 486.1 | 483.6 |
| 17.5° | 527.3  | 528.3  | 526.8  | 521.3  | 516.2 | 509.7 | 504.7 | 497.6 | 490.1 | 485.1 | 480.5 |
| 20°   | 534.8  | 533.8  | 530.3  | 523.3  | 517.7 | 511.7 | 507.7 | 501.7 | 493.1 | 486.6 | 480.0 |
| 22.5° | 545.9  | 541.9  | 535.3  | 527.8  | 522.3 | 516.7 | 512.7 | 506.2 | 497.6 | 489.6 | 482.1 |
| 25°   | 560.5  | 552.4  | 543.4  | 535.3  | 530.3 | 524.3 | 519.8 | 512.7 | 503.7 | 494.6 | 485.6 |
| 27.5° | 581.6  | 567.5  | 555.9  | 548.9  | 543.4 | 535.8 | 530.3 | 521.3 | 511.7 | 501.2 | 491.1 |
| 30°   | 605.2  | 586.1  | 575.0  | 569.5  | 563.5 | 555.4 | 546.9 | 535.3 | 524.3 | 512.7 | 500.7 |
| 32.5° | 635.9  | 612.7  | 602.2  | 596.7  | 588.6 | 578.6 | 568.5 | 555.4 | 539.9 | 524.8 | 510.2 |
| 35°   | 676.1  | 652.5  | 641.4  | 632.9  | 621.8 | 608.7 | 594.1 | 576.6 | 555.4 | 535.3 | 516.7 |
| 37.5° | 719.3  | 693.7  | 683.1  | 674.1  | 657.5 | 640.4 | 619.8 | 594.1 | 565.5 | 538.9 | 515.7 |
| 40°   | 774.1  | 750.5  | 736.9  | 721.3  | 701.7 | 672.1 | 639.9 | 602.7 | 566.0 | 533.3 | 506.2 |
| 42.5° | 843.5  | 819.8  | 799.7  | 775.1  | 740.9 | 695.2 | 649.4 | 601.2 | 556.9 | 519.8 | 490.6 |
| 45°   | 935.5  | 906.8  | 872.1  | 828.9  | 773.6 | 709.8 | 649.9 | 591.6 | 539.9 | 498.6 | 467.5 |
| 47.5° | 1048.1 | 1004.3 | 947.5  | 874.6  | 795.2 | 713.8 | 641.9 | 572.5 | 513.2 | 468.5 | 433.8 |
| 50°   | 1181.8 | 1112.9 | 1019.4 | 912.3  | 806.3 | 707.7 | 621.8 | 543.9 | 475.5 | 427.8 | 386.5 |
| 52.5° | 1334.6 | 1222.0 | 1084.2 | 939.5  | 805.8 | 687.6 | 587.6 | 500.7 | 426.3 | 373.0 | 333.8 |
| 55°   | 1514.0 | 1346.6 | 1151.1 | 959.6  | 791.7 | 650.4 | 535.3 | 439.8 | 365.4 | 316.2 | 280.0 |
| 57.5° | 1776.9 | 1548.7 | 1267.7 | 990.7  | 763.5 | 593.1 | 464.5 | 366.9 | 301.6 | 254.8 | 224.2 |
| 60°   | 2257.5 | 1886.0 | 1477.8 | 1053.6 | 720.3 | 509.2 | 381.5 | 289.0 | 234.2 | 196.5 | 175.9 |
| 62.5° | 2619.4 | 2146.9 | 1591.4 | 1039.5 | 633.4 | 405.6 | 283.0 | 210.6 | 172.4 | 146.8 | 133.7 |
| 65°   | 2567.6 | 2065.9 | 1470.3 | 895.2  | 496.6 | 286.0 | 188.0 | 143.3 | 118.6 | 106.6 | 99.0  |
| 66°   | 2450.5 | 1960.4 | 1365.2 | 805.8  | 429.3 | 237.8 | 154.8 | 120.1 | 102.0 | 93.5  | 88.5  |
| 67.5° | 2228.3 | 1764.3 | 1177.2 | 660.5  | 329.7 | 172.4 | 116.6 | 95.0  | 82.9  | 79.4  | 75.9  |
| 70°   | 1852.3 | 1407.0 | 826.4  | 384.5  | 168.4 | 96.0  | 73.9  | 66.4  | 63.3  | 62.8  | 61.8  |
| 72.5° | 1419.5 | 995.8  | 486.6  | 182.0  | 87.5  | 63.8  | 57.3  | 54.8  | 53.8  | 53.8  | 54.3  |
| 75°   | 870.1  | 559.5  | 215.1  | 89.0   | 61.3  | 53.8  | 50.8  | 49.8  | 49.3  | 49.8  | 49.3  |
| 77.5° | 290.5  | 177.9  | 92.0   | 67.4   | 55.8  | 49.8  | 47.8  | 46.7  | 46.7  | 46.7  | 46.7  |
| 80°   | 89.0   | 77.4   | 70.4   | 62.3   | 52.8  | 47.3  | 44.2  | 43.7  | 44.2  | 44.7  | 43.2  |
| 82.5° | 66.9   | 63.3   | 59.3   | 55.3   | 47.8  | 42.2  | 41.2  | 41.2  | 41.2  | 39.7  | 37.7  |
| 85°   | 49.3   | 48.8   | 40.2   | 37.7   | 35.2  | 35.2  | 35.2  | 35.2  | 33.7  | 31.2  | 29.2  |
| 87.5° | 9.0    | 8.5    | 9.0    | 9.6    | 14.1  | 15.1  | 15.1  | 16.1  | 17.6  | 16.6  | 16.6  |
| 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: P155364

CATALOG NUMBER: VXM-F02-LED-E1-T3-7030

**CANDELA DISTRIBUTION (continued):**

|       | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 501.2 | 501.2 | 501.2 | 501.2 | 501.2 |
| 2.5°  | 503.2 | 502.7 | 504.2 | 503.2 | 503.7 |
| 5°    | 507.7 | 507.2 | 508.2 | 507.2 | 508.7 |
| 7.5°  | 506.2 | 505.2 | 504.7 | 505.2 | 505.7 |
| 10°   | 495.6 | 494.6 | 494.1 | 493.6 | 494.1 |
| 12.5° | 486.6 | 484.6 | 484.6 | 483.6 | 484.1 |
| 15°   | 480.0 | 478.5 | 478.0 | 477.0 | 477.5 |
| 17.5° | 477.0 | 474.5 | 473.5 | 472.5 | 472.5 |
| 20°   | 475.0 | 472.0 | 470.5 | 469.5 | 469.0 |
| 22.5° | 475.0 | 470.5 | 468.5 | 467.5 | 467.0 |
| 25°   | 477.0 | 471.5 | 468.5 | 467.0 | 466.5 |
| 27.5° | 481.0 | 474.0 | 470.5 | 468.5 | 468.5 |
| 30°   | 488.1 | 479.0 | 474.0 | 471.5 | 471.0 |
| 32.5° | 495.1 | 483.1 | 476.0 | 473.0 | 472.0 |
| 35°   | 498.6 | 483.1 | 474.5 | 469.5 | 468.5 |
| 37.5° | 494.6 | 476.5 | 466.0 | 458.4 | 456.9 |
| 40°   | 482.1 | 463.0 | 451.4 | 444.4 | 443.3 |
| 42.5° | 465.5 | 446.9 | 433.3 | 428.3 | 426.8 |
| 45°   | 442.8 | 420.7 | 407.2 | 400.1 | 400.6 |
| 47.5° | 404.1 | 381.5 | 369.5 | 362.9 | 363.9 |
| 50°   | 358.4 | 336.3 | 325.7 | 318.7 | 320.2 |
| 52.5° | 308.1 | 288.0 | 278.0 | 274.5 | 273.4 |
| 55°   | 255.4 | 239.8 | 232.7 | 228.7 | 227.2 |
| 57.5° | 207.1 | 196.0 | 191.0 | 186.0 | 186.5 |
| 60°   | 163.4 | 157.8 | 156.3 | 150.8 | 150.3 |
| 62.5° | 128.7 | 125.2 | 123.7 | 119.6 | 120.1 |
| 65°   | 97.5  | 96.5  | 97.5  | 95.0  | 96.0  |
| 66°   | 88.0  | 88.5  | 88.5  | 87.0  | 88.0  |
| 67.5° | 75.9  | 76.9  | 78.4  | 76.9  | 77.9  |
| 70°   | 62.8  | 63.8  | 64.8  | 64.8  | 64.8  |
| 72.5° | 54.8  | 55.8  | 56.3  | 56.3  | 56.3  |
| 75°   | 50.3  | 50.8  | 51.3  | 50.3  | 50.3  |
| 77.5° | 47.3  | 47.3  | 46.2  | 45.7  | 45.2  |
| 80°   | 42.7  | 42.2  | 40.7  | 39.7  | 39.7  |
| 82.5° | 35.7  | 34.7  | 33.7  | 32.2  | 32.2  |
| 85°   | 27.1  | 26.1  | 25.1  | 23.1  | 22.1  |
| 87.5° | 14.1  | 14.6  | 14.1  | 11.6  | 10.1  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)