

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: P401222

Luminaire Tested: **ENV-SA1B-830-U-SLL**

Issue Date: 5/20/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P401222  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2004-754-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/20/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ENV-SA1B-830-U-SLL  
Description: ENTRI LED LUMINAIRE  
(1) 80 CRI, 3000K, 450mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2409 lumens  
Efficiency: N/A  
Efficacy: 94.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.4  
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

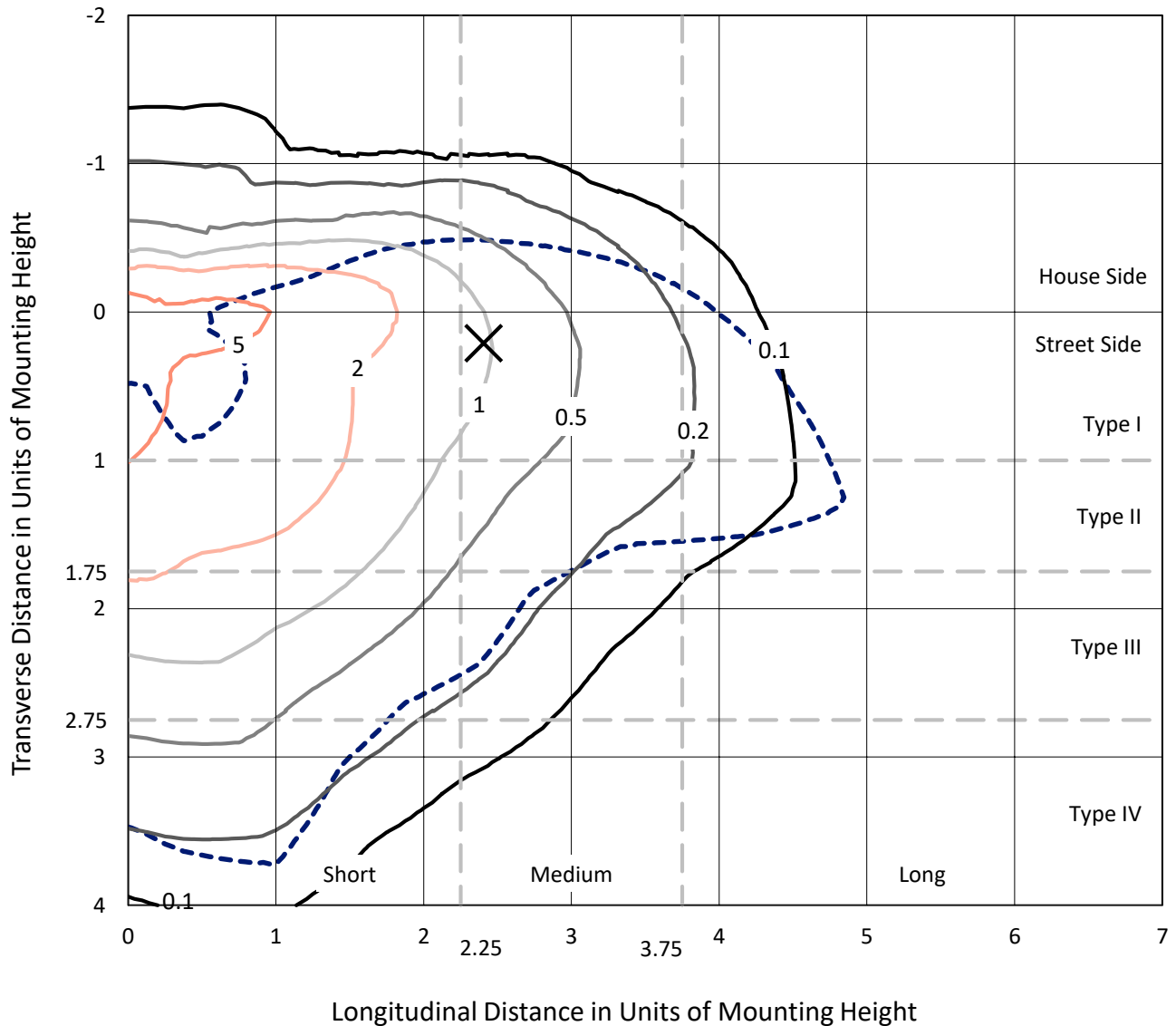


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

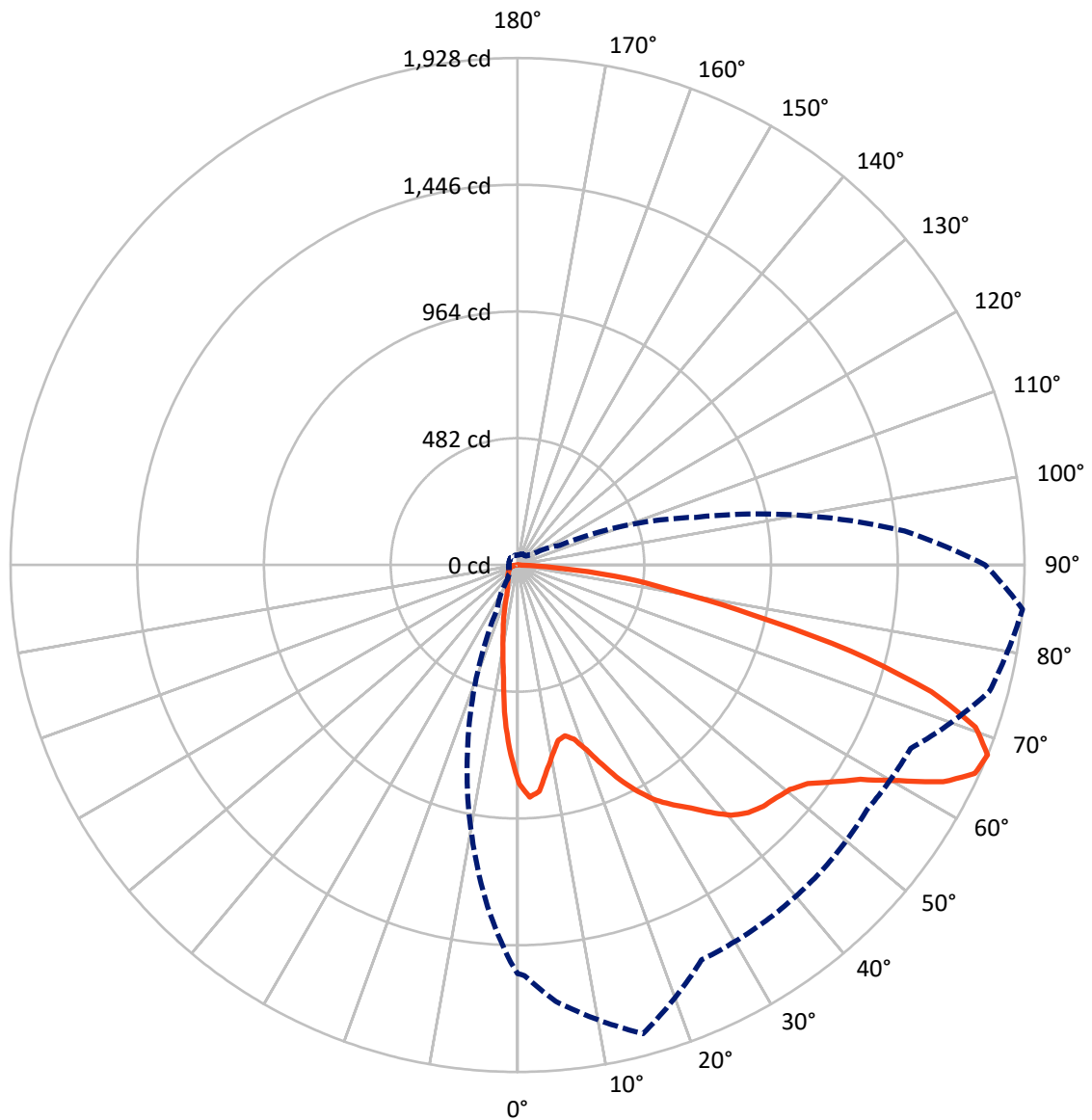


Based on 10 foot mounting height. Maximum calculated value = 8.9 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 485.4    | 0.0    | 485.4  |
|                    | % Fixture | 20.1     | 0.0    | 20.1   |
| <b>Street Side</b> | Lumens    | 1923.6   | 0.0    | 1923.6 |
|                    | % Fixture | 79.9     | 0.0    | 79.9   |
| <b>Total</b>       | Lumens    | 2409.0   | 0.0    | 2409.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 63.3   | 2.6       |
| 10°-20°   | 124.8  | 5.2       |
| 20°-30°   | 174.4  | 7.2       |
| 30°-40°   | 245.8  | 10.2      |
| 40°-50°   | 340.6  | 14.1      |
| 50°-60°   | 478.6  | 19.9      |
| 60°-70°   | 585.1  | 24.3      |
| 70°-80°   | 343.9  | 14.3      |
| 80°-90°   | 52.7   | 2.2       |
| 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°    | 2409.0 | 100.0     |
| 0°-180°   | 2409.0 | 100.0     |



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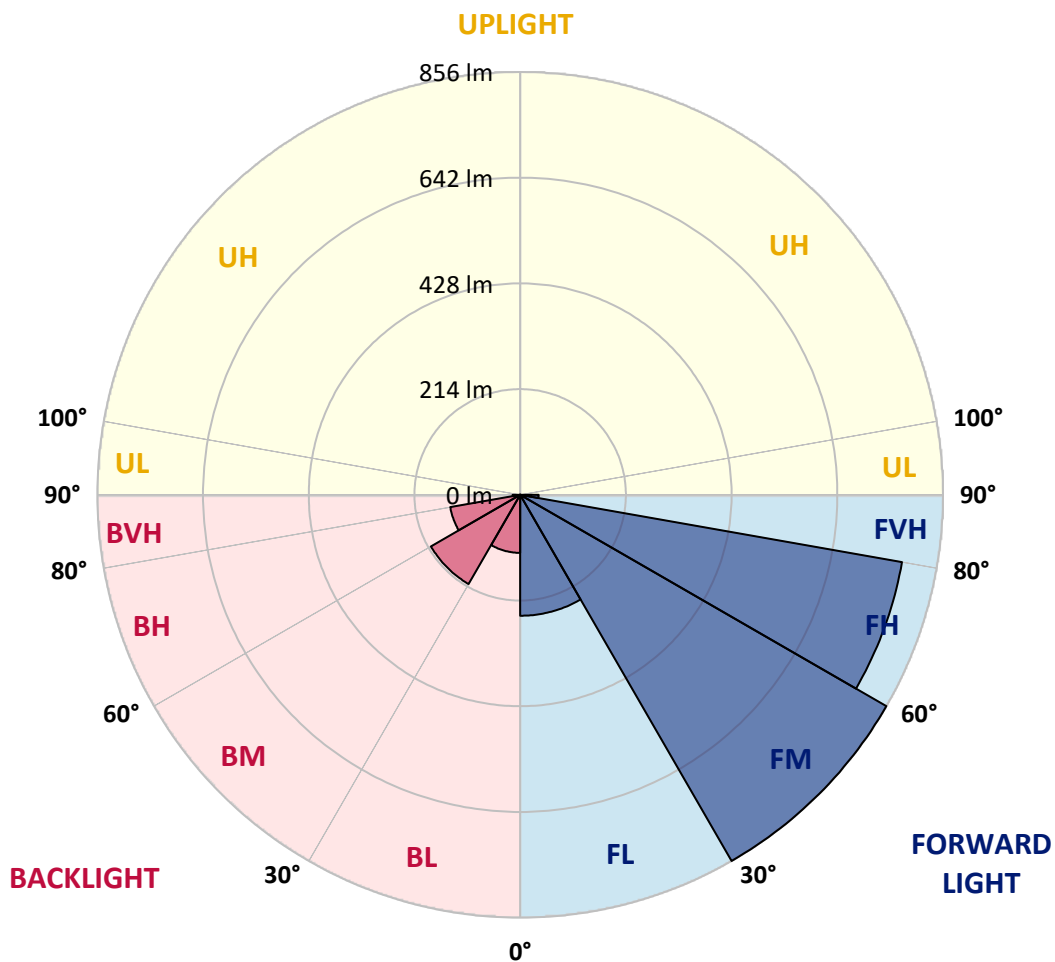
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 244.9  | 10.2      |                         |      |         |
| FM   | (30°-60°)   | 856.3  | 35.5      |                         |      |         |
| FH   | (60°-80°)   | 785.2  | 32.6      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 37.3   | 1.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 117.6  | 4.9       | B1/500                  |      |         |
| BM   | (30°-60°)   | 208.7  | 8.7       | B0/220                  |      |         |
| BH   | (60°-80°)   | 143.8  | 6.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 15.4   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 832.3  | 832.3  | 832.3  | 832.3  | 832.3  | 832.3  | 832.3  | 832.3  | 832.3  | 832.3  | 832.3  |
| 2.5°  | 855.1  | 851.2  | 864.4  | 883.8  | 896.9  | 906.2  | 909.3  | 908.9  | 906.2  | 898.9  | 883.4  |
| 5°    | 817.2  | 813.7  | 840.4  | 883.4  | 921.0  | 948.1  | 955.8  | 945.0  | 931.4  | 902.7  | 864.8  |
| 7.5°  | 745.1  | 750.5  | 784.6  | 845.0  | 905.5  | 948.4  | 958.9  | 941.9  | 914.0  | 855.5  | 791.6  |
| 10°   | 690.5  | 693.2  | 731.6  | 804.4  | 868.7  | 912.8  | 931.0  | 915.9  | 879.5  | 805.5  | 731.6  |
| 12.5° | 656.8  | 659.5  | 696.7  | 764.1  | 832.7  | 867.1  | 872.5  | 872.2  | 841.9  | 770.3  | 684.7  |
| 15°   | 661.5  | 665.0  | 702.1  | 757.9  | 796.6  | 811.7  | 812.1  | 816.4  | 807.5  | 752.9  | 673.5  |
| 17.5° | 706.4  | 706.4  | 742.0  | 775.7  | 766.8  | 756.0  | 764.1  | 771.8  | 787.3  | 763.3  | 696.3  |
| 20°   | 777.3  | 780.4  | 813.3  | 807.5  | 753.3  | 726.1  | 716.5  | 730.0  | 778.0  | 794.7  | 750.2  |
| 22.5° | 854.0  | 862.1  | 896.6  | 854.0  | 750.9  | 698.3  | 687.4  | 702.1  | 779.2  | 844.3  | 824.1  |
| 25°   | 938.8  | 948.8  | 972.1  | 908.2  | 757.9  | 682.8  | 675.4  | 689.4  | 782.3  | 890.0  | 903.9  |
| 27.5° | 1016.2 | 1017.0 | 1039.8 | 953.9  | 776.1  | 684.3  | 671.9  | 690.1  | 790.8  | 926.0  | 974.4  |
| 30°   | 1071.2 | 1071.2 | 1081.3 | 977.1  | 798.6  | 694.0  | 675.0  | 701.8  | 802.8  | 945.7  | 1038.3 |
| 32.5° | 1121.6 | 1124.3 | 1119.2 | 1001.5 | 819.9  | 707.9  | 682.4  | 725.0  | 821.8  | 962.0  | 1087.5 |
| 35°   | 1185.5 | 1185.1 | 1162.6 | 1020.9 | 839.6  | 723.1  | 700.6  | 754.4  | 849.3  | 986.0  | 1134.3 |
| 37.5° | 1264.5 | 1260.6 | 1213.0 | 1038.3 | 863.6  | 749.0  | 735.1  | 794.7  | 886.1  | 1014.3 | 1193.6 |
| 40°   | 1336.1 | 1329.9 | 1259.0 | 1054.6 | 882.6  | 799.3  | 791.2  | 844.7  | 932.6  | 1049.5 | 1251.3 |
| 42.5° | 1391.9 | 1382.6 | 1298.2 | 1066.2 | 911.3  | 878.4  | 885.3  | 934.5  | 979.4  | 1080.9 | 1287.3 |
| 45°   | 1438.7 | 1429.1 | 1327.6 | 1072.0 | 980.6  | 991.0  | 1004.6 | 1045.7 | 1029.4 | 1089.4 | 1309.4 |
| 47.5° | 1472.4 | 1456.6 | 1340.4 | 1089.0 | 1074.3 | 1122.7 | 1164.6 | 1167.3 | 1099.9 | 1089.0 | 1322.9 |
| 50°   | 1492.2 | 1474.8 | 1352.4 | 1131.2 | 1183.1 | 1272.2 | 1316.8 | 1295.8 | 1173.1 | 1096.0 | 1342.3 |
| 52.5° | 1532.1 | 1513.9 | 1402.3 | 1199.8 | 1294.7 | 1423.6 | 1447.7 | 1414.0 | 1249.0 | 1132.0 | 1381.0 |
| 55°   | 1632.4 | 1624.3 | 1499.2 | 1292.0 | 1404.3 | 1546.0 | 1556.9 | 1523.2 | 1328.4 | 1194.4 | 1455.0 |
| 57.5° | 1745.9 | 1728.0 | 1630.1 | 1407.8 | 1509.2 | 1641.7 | 1659.1 | 1612.6 | 1411.6 | 1281.9 | 1537.5 |
| 60°   | 1777.6 | 1774.1 | 1740.8 | 1542.9 | 1617.7 | 1743.9 | 1745.1 | 1685.8 | 1508.8 | 1386.1 | 1663.4 |
| 62.5° | 1731.1 | 1742.4 | 1786.9 | 1668.0 | 1708.7 | 1812.5 | 1802.8 | 1741.2 | 1610.7 | 1551.8 | 1816.3 |
| 65°   | 1650.2 | 1666.1 | 1755.5 | 1786.1 | 1729.6 | 1798.9 | 1778.4 | 1739.3 | 1675.0 | 1730.4 | 1911.2 |
| 67.5° | 1553.0 | 1561.5 | 1665.7 | 1845.0 | 1656.4 | 1649.8 | 1640.1 | 1622.3 | 1649.4 | 1857.4 | 1927.5 |
| 70°   | 1451.9 | 1459.3 | 1555.3 | 1764.1 | 1436.8 | 1361.3 | 1353.2 | 1337.7 | 1443.4 | 1855.8 | 1847.7 |
| 72.5° | 1223.8 | 1219.2 | 1307.8 | 1472.4 | 1097.2 | 994.5  | 1063.5 | 1029.8 | 1167.6 | 1667.2 | 1645.9 |
| 75°   | 760.2  | 785.8  | 896.9  | 1032.5 | 751.7  | 681.2  | 776.5  | 768.0  | 948.1  | 1435.6 | 1310.6 |
| 77.5° | 463.2  | 468.2  | 531.0  | 643.7  | 452.7  | 472.1  | 499.2  | 551.9  | 702.9  | 1163.8 | 913.6  |
| 80°   | 242.4  | 225.4  | 271.5  | 353.2  | 268.8  | 316.8  | 366.0  | 424.1  | 446.1  | 758.7  | 610.7  |
| 82.5° | 70.1   | 69.7   | 91.8   | 147.9  | 127.4  | 155.7  | 184.7  | 266.4  | 292.4  | 451.2  | 418.3  |
| 85°   | 0.4    | 0.4    | 0.4    | 0.8    | 1.2    | 1.9    | 8.1    | 68.5   | 90.6   | 209.1  | 172.0  |
| 87.5° | 0.0    | 0.0    | 0.4    | 0.8    | 0.8    | 1.5    | 2.3    | 3.1    | 3.9    | 4.6    | 17.0   |
| 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):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 832.3  | 832.3  | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 |
| 2.5°  | 878.4  | 872.5  | 860.1 | 843.5 | 831.9 | 811.7 | 807.5 | 794.7 | 781.9 | 771.5 | 771.8 |
| 5°    | 846.6  | 826.8  | 796.6 | 761.8 | 728.5 | 698.7 | 692.8 | 675.4 | 670.4 | 665.3 | 651.4 |
| 7.5°  | 763.3  | 740.1  | 697.9 | 646.4 | 604.5 | 576.3 | 546.1 | 527.9 | 511.6 | 493.0 | 497.7 |
| 10°   | 699.4  | 666.1  | 608.0 | 547.6 | 495.3 | 457.4 | 424.1 | 407.0 | 383.4 | 366.4 | 364.0 |
| 12.5° | 650.2  | 614.2  | 544.5 | 473.6 | 424.5 | 402.4 | 381.1 | 354.4 | 328.0 | 305.6 | 293.9 |
| 15°   | 634.0  | 593.3  | 512.4 | 441.9 | 403.2 | 376.4 | 346.6 | 316.0 | 283.9 | 259.9 | 250.6 |
| 17.5° | 653.0  | 604.9  | 512.0 | 428.3 | 379.9 | 340.8 | 303.6 | 269.2 | 231.2 | 207.2 | 199.8 |
| 20°   | 705.2  | 645.2  | 522.8 | 415.6 | 351.6 | 298.6 | 246.3 | 209.1 | 170.4 | 153.4 | 145.6 |
| 22.5° | 778.0  | 699.8  | 539.5 | 400.1 | 320.3 | 247.1 | 188.2 | 141.4 | 122.4 | 113.9 | 111.9 |
| 25°   | 852.8  | 769.1  | 563.1 | 386.9 | 285.8 | 196.7 | 135.2 | 113.1 | 104.2 | 100.3 | 100.3 |
| 27.5° | 934.9  | 838.5  | 588.7 | 371.0 | 250.2 | 146.4 | 110.0 | 99.5  | 94.9  | 92.6  | 92.2  |
| 30°   | 1001.5 | 895.0  | 617.7 | 352.4 | 218.0 | 120.1 | 97.6  | 90.6  | 86.4  | 85.2  | 85.2  |
| 32.5° | 1049.5 | 937.2  | 648.3 | 333.8 | 188.6 | 108.4 | 90.6  | 84.4  | 79.8  | 79.0  | 79.0  |
| 35°   | 1105.7 | 977.5  | 662.2 | 323.4 | 170.8 | 101.1 | 85.6  | 79.4  | 75.1  | 73.2  | 73.2  |
| 37.5° | 1173.1 | 1025.5 | 670.0 | 313.3 | 163.0 | 94.1  | 82.1  | 75.1  | 70.9  | 68.5  | 68.5  |
| 40°   | 1258.7 | 1080.1 | 678.1 | 303.2 | 158.4 | 88.3  | 78.2  | 71.3  | 67.8  | 65.1  | 65.1  |
| 42.5° | 1319.8 | 1130.5 | 684.3 | 294.7 | 150.3 | 85.6  | 75.1  | 68.5  | 64.3  | 62.0  | 61.6  |
| 45°   | 1352.0 | 1177.3 | 687.0 | 289.7 | 141.0 | 87.9  | 72.8  | 66.2  | 61.2  | 58.9  | 58.5  |
| 47.5° | 1373.7 | 1216.1 | 690.5 | 285.8 | 133.6 | 83.7  | 72.4  | 63.9  | 58.9  | 55.8  | 55.8  |
| 50°   | 1408.1 | 1267.2 | 699.4 | 278.5 | 129.4 | 78.2  | 78.2  | 62.7  | 56.2  | 53.4  | 53.1  |
| 52.5° | 1469.7 | 1340.4 | 723.4 | 270.3 | 124.7 | 72.8  | 80.6  | 63.1  | 54.2  | 51.1  | 50.3  |
| 55°   | 1562.7 | 1456.9 | 763.3 | 258.7 | 118.1 | 66.2  | 75.1  | 63.5  | 52.3  | 49.6  | 48.4  |
| 57.5° | 1683.5 | 1597.9 | 809.8 | 249.4 | 106.9 | 60.8  | 68.5  | 61.6  | 50.0  | 47.6  | 46.9  |
| 60°   | 1764.8 | 1692.0 | 839.2 | 237.4 | 91.0  | 57.3  | 58.9  | 59.6  | 47.6  | 44.9  | 44.5  |
| 62.5° | 1808.6 | 1693.6 | 839.6 | 220.7 | 76.3  | 54.2  | 52.7  | 60.8  | 45.7  | 42.2  | 41.8  |
| 65°   | 1811.7 | 1611.1 | 797.4 | 199.4 | 71.3  | 50.7  | 48.4  | 53.8  | 43.8  | 40.3  | 39.9  |
| 67.5° | 1778.0 | 1476.7 | 701.0 | 175.1 | 73.2  | 48.0  | 44.9  | 45.3  | 41.4  | 38.3  | 38.0  |
| 70°   | 1657.2 | 1302.8 | 562.3 | 155.7 | 73.6  | 44.5  | 42.2  | 41.1  | 39.1  | 36.4  | 35.6  |
| 72.5° | 1429.8 | 1088.6 | 426.0 | 149.5 | 74.7  | 41.8  | 39.1  | 38.0  | 36.4  | 34.1  | 33.3  |
| 75°   | 1079.0 | 849.3  | 319.9 | 139.4 | 75.5  | 38.7  | 35.6  | 34.9  | 33.3  | 31.0  | 30.6  |
| 77.5° | 745.5  | 629.7  | 222.3 | 117.7 | 67.4  | 35.2  | 32.1  | 31.4  | 30.2  | 27.9  | 27.5  |
| 80°   | 503.5  | 431.8  | 136.3 | 88.3  | 51.1  | 31.0  | 27.9  | 27.9  | 26.7  | 24.4  | 24.4  |
| 82.5° | 350.5  | 322.6  | 78.6  | 57.7  | 37.2  | 25.6  | 24.4  | 24.4  | 23.2  | 20.9  | 20.5  |
| 85°   | 146.4  | 195.2  | 35.2  | 31.4  | 25.9  | 20.1  | 20.1  | 20.5  | 19.4  | 17.4  | 17.0  |
| 87.5° | 5.0    | 20.9   | 13.9  | 14.7  | 15.5  | 13.9  | 15.5  | 15.5  | 15.1  | 13.6  | 13.2  |
| 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):**

|       | 185°  | 195°  | 205°  | 215°  | 225°  | 235°  | 245°  | 255°  | 265°  | 270°  | 275°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 |
| 2.5°  | 760.6 | 755.6 | 740.1 | 738.2 | 726.5 | 725.8 | 730.8 | 722.3 | 723.1 | 733.5 | 732.0 |
| 5°    | 654.5 | 642.9 | 642.5 | 629.7 | 615.4 | 611.9 | 599.5 | 594.9 | 592.9 | 588.7 | 604.2 |
| 7.5°  | 512.0 | 506.6 | 511.2 | 509.7 | 496.5 | 489.1 | 462.8 | 442.7 | 432.6 | 436.9 | 438.0 |
| 10°   | 364.0 | 372.2 | 384.6 | 396.6 | 387.3 | 362.9 | 351.6 | 335.4 | 333.4 | 332.3 | 340.0 |
| 12.5° | 288.5 | 279.2 | 285.0 | 289.3 | 280.4 | 269.9 | 265.3 | 258.3 | 262.2 | 271.1 | 276.1 |
| 15°   | 239.7 | 223.5 | 216.1 | 211.1 | 213.4 | 207.2 | 209.5 | 207.2 | 209.9 | 212.6 | 221.9 |
| 17.5° | 189.4 | 183.6 | 169.6 | 163.0 | 163.4 | 160.7 | 161.5 | 161.1 | 159.6 | 165.8 | 173.1 |
| 20°   | 142.5 | 141.0 | 137.9 | 133.2 | 134.0 | 132.1 | 130.9 | 124.3 | 121.6 | 123.5 | 129.7 |
| 22.5° | 111.1 | 113.1 | 115.0 | 114.6 | 116.6 | 111.5 | 106.9 | 101.1 | 100.3 | 100.7 | 102.2 |
| 25°   | 99.5  | 100.3 | 101.9 | 103.8 | 105.0 | 100.3 | 93.7  | 90.2  | 89.8  | 90.6  | 90.6  |
| 27.5° | 92.6  | 91.8  | 93.7  | 96.0  | 97.6  | 91.8  | 86.4  | 83.3  | 82.5  | 81.7  | 81.3  |
| 30°   | 85.2  | 85.2  | 86.8  | 89.1  | 90.2  | 85.2  | 80.6  | 77.5  | 75.5  | 74.4  | 74.0  |
| 32.5° | 79.8  | 80.2  | 80.9  | 82.5  | 84.4  | 79.4  | 75.5  | 72.8  | 69.3  | 68.2  | 67.4  |
| 35°   | 73.6  | 75.1  | 76.3  | 76.7  | 78.2  | 74.7  | 70.9  | 66.6  | 63.5  | 62.4  | 62.4  |
| 37.5° | 68.5  | 69.7  | 71.6  | 71.3  | 72.4  | 70.1  | 65.8  | 61.2  | 59.6  | 59.3  | 58.9  |
| 40°   | 64.7  | 64.7  | 66.2  | 67.8  | 69.3  | 65.1  | 60.0  | 57.7  | 56.5  | 55.8  | 56.2  |
| 42.5° | 61.2  | 60.8  | 60.8  | 63.5  | 66.2  | 60.0  | 55.8  | 54.2  | 53.8  | 53.1  | 53.4  |
| 45°   | 58.1  | 57.7  | 56.5  | 57.7  | 61.6  | 55.0  | 52.3  | 51.1  | 50.7  | 50.7  | 50.7  |
| 47.5° | 55.4  | 54.6  | 53.1  | 53.4  | 56.2  | 51.1  | 48.8  | 48.4  | 48.0  | 48.0  | 48.4  |
| 50°   | 52.3  | 51.5  | 50.3  | 50.0  | 50.7  | 48.4  | 46.5  | 45.7  | 45.7  | 45.7  | 46.5  |
| 52.5° | 49.6  | 49.2  | 47.6  | 47.2  | 47.6  | 46.1  | 44.1  | 43.8  | 43.8  | 43.8  | 44.9  |
| 55°   | 47.6  | 46.9  | 46.1  | 45.3  | 46.1  | 44.1  | 42.6  | 41.8  | 41.8  | 42.6  | 43.4  |
| 57.5° | 45.7  | 44.9  | 44.5  | 43.8  | 44.5  | 42.6  | 41.1  | 40.3  | 40.7  | 41.1  | 41.1  |
| 60°   | 43.8  | 43.0  | 42.6  | 41.8  | 43.0  | 41.1  | 39.5  | 39.1  | 39.1  | 38.7  | 38.7  |
| 62.5° | 41.8  | 41.4  | 40.7  | 39.9  | 41.4  | 39.1  | 38.0  | 37.2  | 36.8  | 36.8  | 36.8  |
| 65°   | 39.5  | 39.1  | 38.7  | 38.3  | 39.1  | 37.2  | 36.0  | 35.6  | 34.9  | 34.5  | 34.9  |
| 67.5° | 37.6  | 37.6  | 36.8  | 36.0  | 37.2  | 34.9  | 34.1  | 33.7  | 32.5  | 32.1  | 32.5  |
| 70°   | 35.2  | 35.2  | 34.5  | 34.1  | 35.6  | 32.5  | 31.8  | 31.4  | 30.6  | 30.2  | 30.2  |
| 72.5° | 32.9  | 32.9  | 32.1  | 31.8  | 33.7  | 30.2  | 29.4  | 29.0  | 27.9  | 27.5  | 27.5  |
| 75°   | 30.6  | 30.2  | 29.8  | 29.4  | 31.8  | 27.9  | 26.7  | 25.9  | 24.8  | 24.4  | 24.0  |
| 77.5° | 27.9  | 27.5  | 26.7  | 27.1  | 28.7  | 24.8  | 23.2  | 22.8  | 21.7  | 21.3  | 20.9  |
| 80°   | 24.4  | 24.0  | 23.6  | 24.4  | 24.4  | 21.7  | 19.8  | 19.0  | 17.8  | 17.0  | 16.7  |
| 82.5° | 20.9  | 20.5  | 20.5  | 21.3  | 20.1  | 19.0  | 16.7  | 15.1  | 13.2  | 12.0  | 11.6  |
| 85°   | 17.0  | 17.8  | 17.0  | 17.8  | 15.1  | 15.1  | 11.6  | 8.9   | 6.2   | 5.0   | 4.6   |
| 87.5° | 13.2  | 13.6  | 13.2  | 13.6  | 10.5  | 10.1  | 5.4   | 3.1   | 0.4   | 0.0   | 0.0   |
| 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: P401222

CATALOG NUMBER: ENV-SA1B-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|       | 285°  | 295°  | 305°  | 315°  | 325°  | 335°  | 345°  | 355°   | 359°   | 360°   |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0°    | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3 | 832.3  | 832.3  | 832.3  |
| 2.5°  | 743.6 | 744.4 | 761.0 | 777.7 | 787.7 | 812.9 | 825.3 | 839.2  | 846.6  | 855.1  |
| 5°    | 596.8 | 611.5 | 625.1 | 658.4 | 675.4 | 715.3 | 744.4 | 790.8  | 805.5  | 817.2  |
| 7.5°  | 450.8 | 472.9 | 489.5 | 531.0 | 563.1 | 612.7 | 663.4 | 718.8  | 734.7  | 745.1  |
| 10°   | 358.2 | 378.4 | 409.7 | 442.3 | 478.3 | 538.3 | 593.3 | 650.6  | 678.5  | 690.5  |
| 12.5° | 300.9 | 333.1 | 369.9 | 400.1 | 428.7 | 472.9 | 542.6 | 615.0  | 644.0  | 656.8  |
| 15°   | 248.2 | 284.3 | 321.8 | 359.0 | 394.6 | 444.6 | 517.8 | 611.9  | 648.7  | 661.5  |
| 17.5° | 197.1 | 226.6 | 264.5 | 309.4 | 361.3 | 424.8 | 522.4 | 644.8  | 689.7  | 706.4  |
| 20°   | 140.2 | 168.9 | 207.6 | 263.0 | 324.5 | 404.3 | 533.3 | 694.4  | 758.3  | 777.3  |
| 22.5° | 105.7 | 121.6 | 157.2 | 211.8 | 291.6 | 388.1 | 550.3 | 762.2  | 836.9  | 854.0  |
| 25°   | 92.9  | 98.4  | 116.6 | 169.2 | 258.7 | 373.3 | 572.8 | 829.6  | 920.2  | 938.8  |
| 27.5° | 82.5  | 85.6  | 94.9  | 135.9 | 234.3 | 358.2 | 599.5 | 902.4  | 991.8  | 1016.2 |
| 30°   | 74.4  | 78.2  | 86.0  | 113.9 | 210.7 | 336.5 | 623.9 | 967.8  | 1052.6 | 1071.2 |
| 32.5° | 68.2  | 72.4  | 79.4  | 103.0 | 190.5 | 320.3 | 637.8 | 1016.6 | 1104.5 | 1121.6 |
| 35°   | 63.9  | 67.8  | 74.7  | 93.3  | 172.7 | 309.0 | 642.1 | 1065.0 | 1168.0 | 1185.5 |
| 37.5° | 60.0  | 63.9  | 70.1  | 83.7  | 160.3 | 294.3 | 648.7 | 1122.7 | 1241.6 | 1264.5 |
| 40°   | 57.3  | 60.4  | 66.2  | 77.1  | 143.3 | 278.5 | 656.4 | 1190.1 | 1313.3 | 1336.1 |
| 42.5° | 54.6  | 58.1  | 63.1  | 77.5  | 126.3 | 264.9 | 661.5 | 1242.0 | 1370.2 | 1391.9 |
| 45°   | 52.3  | 56.2  | 62.0  | 75.9  | 113.5 | 252.5 | 659.2 | 1285.4 | 1422.1 | 1438.7 |
| 47.5° | 50.0  | 54.6  | 65.1  | 72.8  | 109.6 | 241.3 | 661.1 | 1327.2 | 1459.3 | 1472.4 |
| 50°   | 48.4  | 54.2  | 69.7  | 68.2  | 110.4 | 236.2 | 679.7 | 1377.2 | 1487.2 | 1492.2 |
| 52.5° | 47.2  | 55.4  | 65.8  | 61.6  | 110.4 | 233.9 | 715.3 | 1457.7 | 1535.6 | 1532.1 |
| 55°   | 45.3  | 55.0  | 61.6  | 55.8  | 105.7 | 235.1 | 749.0 | 1564.2 | 1651.7 | 1632.4 |
| 57.5° | 43.8  | 52.7  | 55.4  | 51.5  | 94.9  | 235.5 | 799.0 | 1654.1 | 1743.1 | 1745.9 |
| 60°   | 41.8  | 56.5  | 48.0  | 48.0  | 81.3  | 233.5 | 843.1 | 1652.5 | 1759.8 | 1777.6 |
| 62.5° | 39.9  | 55.4  | 43.0  | 44.5  | 72.0  | 226.2 | 869.8 | 1556.1 | 1698.2 | 1731.1 |
| 65°   | 37.6  | 43.8  | 39.5  | 41.4  | 68.2  | 208.0 | 831.9 | 1436.4 | 1615.0 | 1650.2 |
| 67.5° | 34.9  | 36.0  | 36.0  | 38.3  | 66.6  | 180.5 | 736.2 | 1304.4 | 1510.4 | 1553.0 |
| 70°   | 31.8  | 32.1  | 32.9  | 36.4  | 62.0  | 155.3 | 599.5 | 1163.8 | 1398.1 | 1451.9 |
| 72.5° | 28.7  | 29.0  | 29.0  | 32.9  | 58.1  | 134.0 | 424.5 | 922.1  | 1167.3 | 1223.8 |
| 75°   | 25.2  | 25.6  | 25.2  | 28.7  | 50.7  | 100.3 | 252.1 | 583.2  | 696.3  | 760.2  |
| 77.5° | 21.3  | 21.3  | 20.5  | 22.5  | 34.9  | 63.5  | 137.9 | 354.4  | 423.7  | 463.2  |
| 80°   | 17.4  | 15.9  | 13.2  | 13.6  | 19.0  | 36.4  | 61.6  | 203.3  | 232.4  | 242.4  |
| 82.5° | 11.6  | 8.9   | 5.4   | 5.0   | 6.2   | 10.1  | 14.3  | 80.6   | 74.0   | 70.1   |
| 85°   | 2.3   | 0.8   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.4    |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)