

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: P180836

Luminaire Tested: **ICS-E03-LED-E1-SL4-HSS-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180836  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICS-E03-LED-E1-SL4-HSS-8030  
Description: ICON SITE SMALL LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (63) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

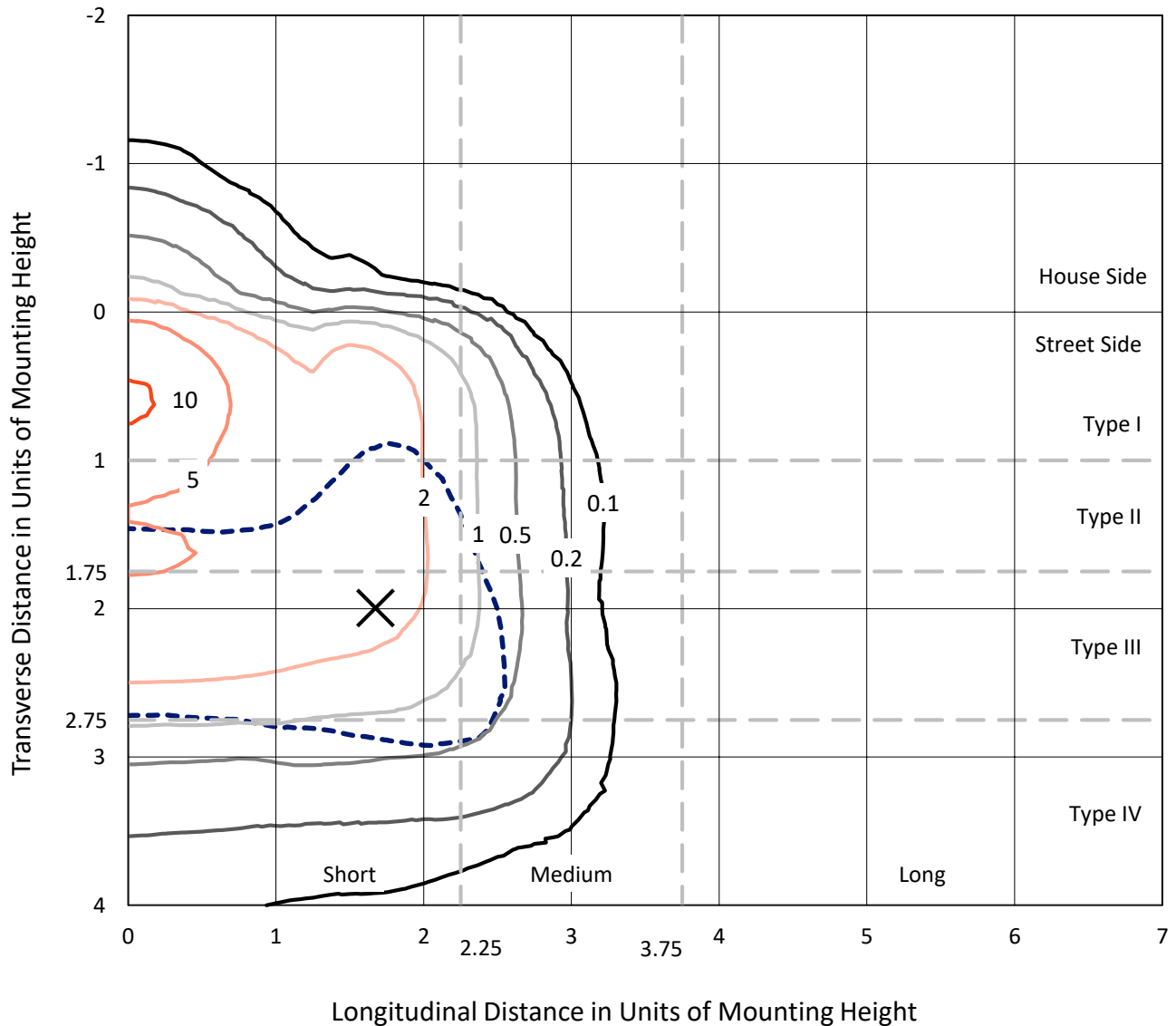
Lumens per Lamp: N/A  
Luminaire Lumens: 4637.1 lumens  
Efficiency: N/A  
Efficacy: 61.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 75.2  
Input Voltage (V): NR  
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

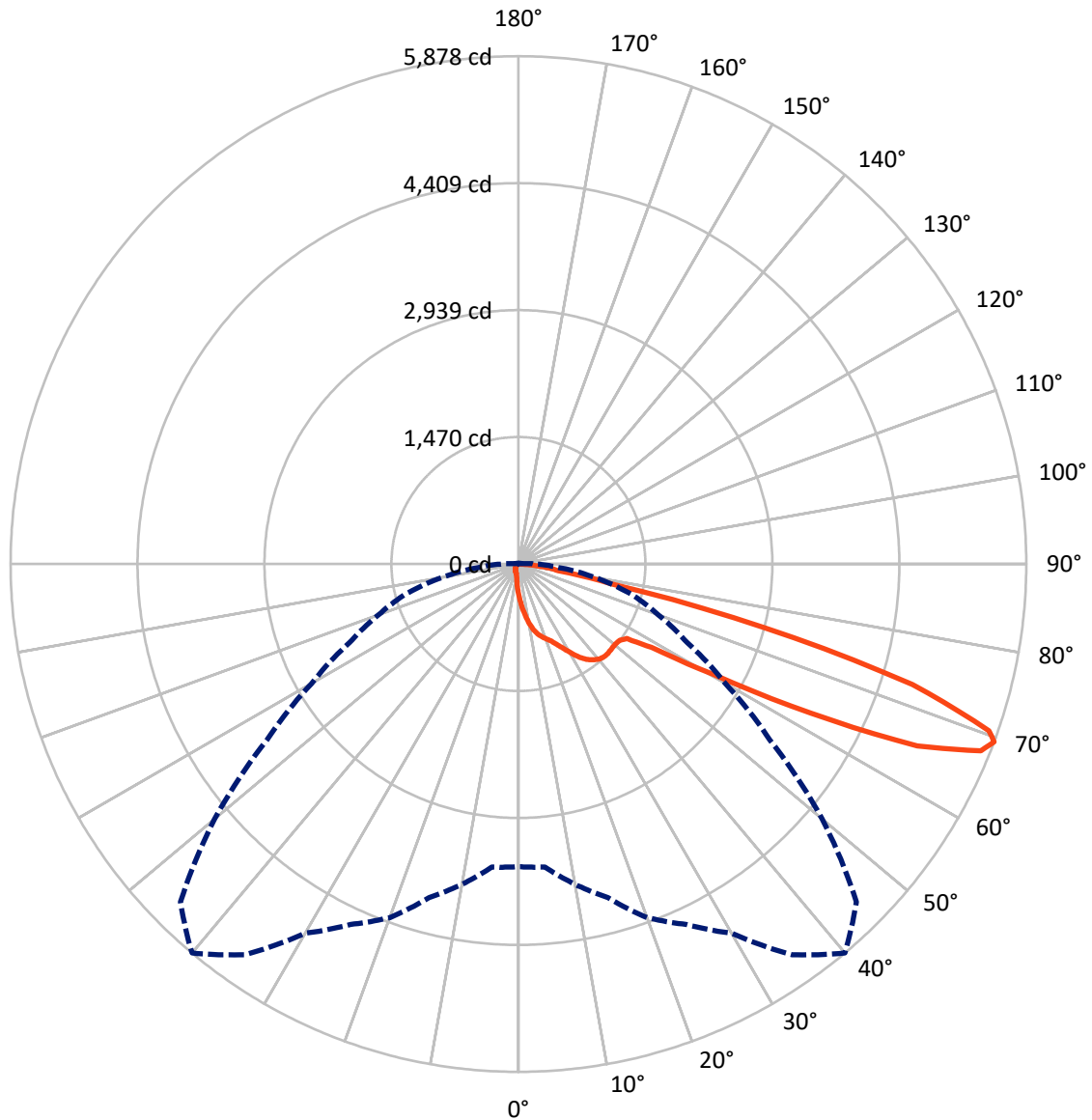
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 138.1    | 0.0    | 138.1  |
|                    | % Fixture | 3.0      | 0.0    | 3.0    |
| <b>Street Side</b> | Lumens    | 4499.0   | 0.0    | 4499.0 |
|                    | % Fixture | 97.0     | 0.0    | 97.0   |
| <b>Total</b>       | Lumens    | 4637.1   | 0.0    | 4637.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 36.0   | 0.8       |
| 10°-20°   | 124.1  | 2.7       |
| 20°-30°   | 237.5  | 5.1       |
| 30°-40°   | 395.0  | 8.5       |
| 40°-50°   | 534.5  | 11.5      |
| 50°-60°   | 835.9  | 18.0      |
| 60°-70°   | 1718.6 | 37.1      |
| 70°-80°   | 691.5  | 14.9      |
| 80°-90°   | 64.0   | 1.4       |
| 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°    | 4637.1 | 100.0     |
| 0°-180°   | 4637.1 | 100.0     |



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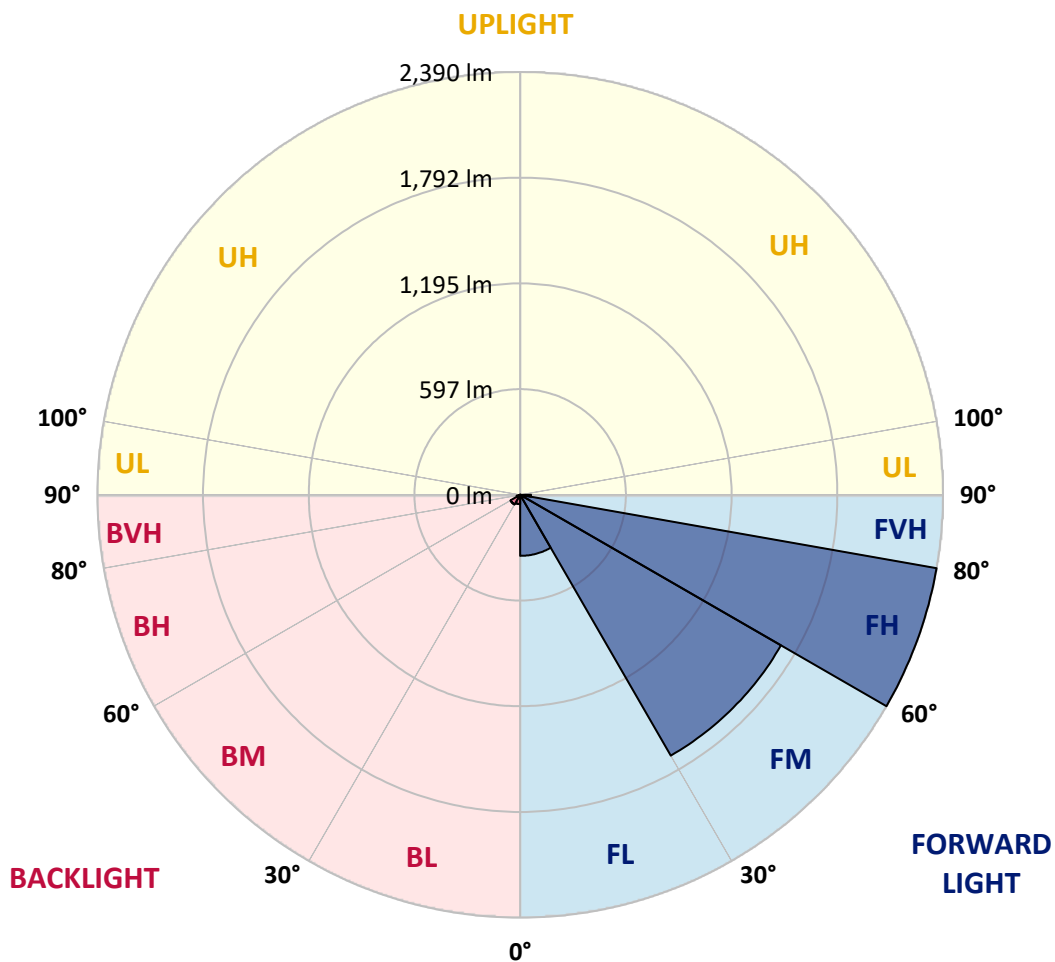
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 345.1  | 7.4       |                         |      |         |
| FM   | (30°-60°)   | 1702.4 | 36.7      |                         |      |         |
| FH   | (60°-80°)   | 2390.0 | 51.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 61.6   | 1.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 52.5   | 1.1       | B0/110                  |      |         |
| BM   | (30°-60°)   | 63.1   | 1.4       | B0/220                  |      |         |
| BH   | (60°-80°)   | 20.1   | 0.4       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 2.4    | 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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 350.2  | 350.2  | 350.2  | 350.2  | 350.2  | 350.2  | 350.2  | 350.2  | 350.2  | 350.2  | 350.2  |
| 2.5°  | 467.2  | 461.9  | 455.8  | 455.8  | 448.2  | 448.2  | 443.6  | 431.5  | 430.0  | 423.1  | 416.3  |
| 5°    | 596.3  | 591.8  | 584.2  | 577.3  | 571.2  | 560.6  | 553.0  | 538.6  | 522.6  | 507.4  | 493.8  |
| 7.5°  | 722.4  | 720.1  | 706.5  | 704.2  | 694.3  | 676.8  | 661.6  | 640.4  | 613.0  | 591.8  | 566.7  |
| 10°   | 839.4  | 834.1  | 831.0  | 818.1  | 803.7  | 784.7  | 761.2  | 735.3  | 703.4  | 670.0  | 634.3  |
| 12.5° | 932.1  | 929.0  | 915.4  | 910.0  | 894.8  | 875.9  | 846.2  | 812.8  | 780.9  | 737.6  | 695.8  |
| 15°   | 1001.2 | 995.9  | 986.8  | 978.4  | 960.2  | 943.5  | 916.1  | 879.7  | 840.9  | 793.8  | 743.7  |
| 17.5° | 1058.9 | 1049.1 | 1046.8 | 1033.9 | 1014.9 | 995.1  | 964.7  | 931.3  | 885.7  | 838.6  | 783.9  |
| 20°   | 1136.4 | 1122.7 | 1118.2 | 1099.2 | 1077.2 | 1049.8 | 1014.9 | 973.1  | 925.2  | 873.6  | 817.4  |
| 22.5° | 1227.6 | 1217.7 | 1207.8 | 1191.1 | 1163.0 | 1124.3 | 1073.4 | 1027.8 | 967.0  | 910.0  | 849.3  |
| 25°   | 1356.7 | 1348.3 | 1332.4 | 1309.6 | 1274.7 | 1228.3 | 1166.8 | 1099.9 | 1028.5 | 955.6  | 884.2  |
| 27.5° | 1482.0 | 1474.4 | 1463.1 | 1445.6 | 1406.1 | 1355.2 | 1279.2 | 1194.1 | 1103.7 | 1015.6 | 936.6  |
| 30°   | 1599.8 | 1593.0 | 1581.6 | 1564.1 | 1529.1 | 1479.0 | 1393.2 | 1302.0 | 1189.6 | 1087.0 | 992.1  |
| 32.5° | 1726.6 | 1724.4 | 1711.5 | 1686.4 | 1656.0 | 1588.4 | 1495.0 | 1397.0 | 1283.0 | 1164.5 | 1053.6 |
| 35°   | 1870.2 | 1852.7 | 1840.6 | 1815.5 | 1763.9 | 1691.7 | 1582.3 | 1475.2 | 1355.2 | 1233.6 | 1109.8 |
| 37.5° | 1991.8 | 1975.0 | 1959.9 | 1927.9 | 1864.9 | 1773.0 | 1649.2 | 1531.4 | 1407.6 | 1283.8 | 1157.7 |
| 40°   | 2080.6 | 2072.3 | 2054.0 | 2012.3 | 1941.6 | 1832.2 | 1698.5 | 1570.2 | 1445.6 | 1321.0 | 1196.4 |
| 42.5° | 2146.7 | 2133.8 | 2113.3 | 2070.0 | 1986.4 | 1861.9 | 1718.3 | 1586.1 | 1463.1 | 1343.8 | 1221.5 |
| 45°   | 2171.0 | 2160.4 | 2141.4 | 2094.3 | 2003.9 | 1870.2 | 1717.5 | 1581.6 | 1463.8 | 1350.6 | 1238.2 |
| 47.5° | 2156.6 | 2146.0 | 2129.3 | 2085.2 | 1996.3 | 1860.3 | 1703.9 | 1568.6 | 1456.2 | 1352.9 | 1253.4 |
| 50°   | 2108.7 | 2102.7 | 2089.8 | 2052.5 | 1972.8 | 1841.4 | 1691.7 | 1561.8 | 1454.7 | 1364.3 | 1274.7 |
| 52.5° | 2104.2 | 2100.4 | 2084.4 | 2047.2 | 1965.9 | 1835.3 | 1690.2 | 1565.6 | 1467.6 | 1378.7 | 1289.9 |
| 55°   | 2571.4 | 2517.4 | 2396.6 | 2294.1 | 2125.5 | 1924.9 | 1766.9 | 1627.1 | 1522.3 | 1435.7 | 1373.4 |
| 57.5° | 3654.6 | 3574.1 | 3415.3 | 3220.1 | 2832.7 | 2452.1 | 2147.5 | 1927.2 | 1818.6 | 1779.1 | 1802.6 |
| 60°   | 4162.0 | 4147.6 | 4122.5 | 4029.9 | 3831.6 | 3504.2 | 3139.6 | 2745.3 | 2587.3 | 2573.6 | 2621.5 |
| 62.5° | 4402.8 | 4393.7 | 4401.3 | 4389.9 | 4328.4 | 4232.7 | 4127.8 | 3957.7 | 3801.2 | 3700.2 | 3486.0 |
| 65°   | 4513.7 | 4519.8 | 4563.1 | 4597.3 | 4604.9 | 4630.0 | 4706.7 | 4918.6 | 5073.6 | 4813.0 | 4218.2 |
| 67.5° | 4231.9 | 4267.6 | 4367.1 | 4491.7 | 4637.6 | 4778.9 | 5006.7 | 5453.4 | 5771.7 | 5465.6 | 4620.8 |
| 69°   | 3503.4 | 3520.9 | 3764.0 | 3998.7 | 4355.0 | 4604.1 | 4934.6 | 5520.3 | 5878.0 | 5532.4 | 4588.9 |
| 70°   | 2758.2 | 2774.2 | 3034.7 | 3353.8 | 3956.2 | 4276.7 | 4709.0 | 5407.1 | 5778.5 | 5443.5 | 4424.9 |
| 72.5° | 1244.3 | 1221.5 | 1313.4 | 1484.3 | 2139.1 | 2648.1 | 3403.9 | 4380.8 | 4767.5 | 4361.1 | 3310.5 |
| 75°   | 869.0  | 859.1  | 869.0  | 869.8  | 971.6  | 1253.4 | 1581.6 | 2374.6 | 2936.7 | 2534.1 | 1581.6 |
| 77.5° | 673.0  | 666.2  | 659.4  | 651.8  | 663.9  | 743.7  | 775.6  | 842.4  | 1093.9 | 1034.6 | 603.1  |
| 80°   | 532.5  | 526.4  | 543.1  | 537.8  | 537.8  | 546.9  | 540.9  | 515.8  | 468.7  | 434.5  | 388.9  |
| 82.5° | 247.6  | 249.2  | 249.2  | 270.4  | 325.9  | 380.6  | 398.0  | 373.0  | 331.2  | 281.8  | 227.1  |
| 85°   | 23.5   | 26.6   | 44.8   | 69.1   | 137.5  | 155.0  | 155.7  | 129.1  | 129.1  | 101.8  | 82.0   |
| 87.5° | 0.0    | 0.8    | 0.8    | 0.8    | 6.8    | 19.0   | 16.0   | 4.6    | 2.3    | 2.3    | 3.8    |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°   | 95°   | 100°  | 105°  |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0°    | 350.2  | 350.2  | 350.2  | 350.2  | 350.2  | 350.2  | 350.2  | 350.2 | 350.2 | 350.2 | 350.2 |
| 2.5°  | 404.1  | 401.8  | 392.7  | 383.6  | 375.3  | 366.1  | 357.8  | 349.4 | 340.3 | 333.5 | 325.1 |
| 5°    | 472.5  | 455.8  | 436.8  | 418.6  | 400.3  | 381.3  | 361.6  | 344.1 | 325.9 | 309.2 | 293.2 |
| 7.5°  | 541.6  | 509.0  | 483.1  | 450.5  | 420.8  | 391.2  | 363.9  | 335.8 | 309.9 | 285.6 | 262.8 |
| 10°   | 600.1  | 560.6  | 520.3  | 478.6  | 436.0  | 396.5  | 358.5  | 325.1 | 290.9 | 261.3 | 233.2 |
| 12.5° | 648.0  | 597.8  | 548.5  | 496.0  | 448.2  | 398.0  | 351.0  | 310.7 | 270.4 | 237.0 | 208.1 |
| 15°   | 691.3  | 633.5  | 574.3  | 513.5  | 452.7  | 395.8  | 343.4  | 293.2 | 252.2 | 214.2 | 181.6 |
| 17.5° | 726.2  | 660.1  | 593.3  | 524.9  | 459.6  | 392.7  | 333.5  | 281.1 | 233.2 | 193.7 | 161.8 |
| 20°   | 756.6  | 687.5  | 615.3  | 538.6  | 464.1  | 392.0  | 325.1  | 265.9 | 216.5 | 174.7 | 143.6 |
| 22.5° | 784.7  | 715.6  | 638.1  | 556.1  | 471.0  | 391.2  | 317.5  | 254.5 | 202.1 | 160.3 | 129.1 |
| 25°   | 816.6  | 743.7  | 662.4  | 574.3  | 483.1  | 394.2  | 313.0  | 245.4 | 189.1 | 146.6 | 117.7 |
| 27.5° | 852.3  | 775.6  | 691.3  | 597.1  | 499.1  | 400.3  | 311.4  | 235.5 | 177.8 | 133.7 | 108.6 |
| 30°   | 902.4  | 813.6  | 720.1  | 619.9  | 513.5  | 407.2  | 309.9  | 229.4 | 166.4 | 123.8 | 99.5  |
| 32.5° | 946.5  | 850.8  | 752.0  | 643.4  | 529.5  | 414.0  | 309.2  | 221.1 | 155.7 | 113.9 | 92.7  |
| 35°   | 992.8  | 885.0  | 779.4  | 666.2  | 543.1  | 421.6  | 308.4  | 215.0 | 145.8 | 104.1 | 85.8  |
| 37.5° | 1033.1 | 913.8  | 800.7  | 685.9  | 558.3  | 428.4  | 309.2  | 209.7 | 136.7 | 95.7  | 79.8  |
| 40°   | 1067.3 | 943.5  | 824.2  | 704.2  | 574.3  | 439.1  | 309.9  | 204.3 | 127.6 | 88.1  | 74.4  |
| 42.5° | 1097.7 | 971.6  | 849.3  | 724.7  | 592.5  | 451.2  | 314.5  | 199.8 | 120.0 | 81.3  | 69.1  |
| 45°   | 1121.2 | 997.4  | 876.6  | 753.6  | 622.1  | 471.0  | 322.8  | 196.7 | 112.4 | 75.2  | 64.6  |
| 47.5° | 1145.5 | 1035.4 | 923.0  | 799.1  | 665.4  | 502.1  | 337.3  | 196.0 | 106.3 | 70.6  | 60.8  |
| 50°   | 1179.0 | 1073.4 | 964.0  | 845.5  | 704.9  | 534.0  | 354.7  | 196.7 | 98.8  | 66.1  | 57.0  |
| 52.5° | 1203.3 | 1112.1 | 1017.1 | 926.0  | 799.1  | 631.3  | 422.4  | 210.4 | 95.0  | 62.3  | 52.4  |
| 55°   | 1346.8 | 1330.9 | 1333.2 | 1348.3 | 1250.4 | 1074.1 | 706.5  | 303.9 | 111.7 | 70.6  | 51.7  |
| 57.5° | 1899.1 | 1955.3 | 1988.0 | 1987.2 | 1825.4 | 1513.9 | 948.8  | 390.5 | 124.6 | 82.0  | 61.5  |
| 60°   | 2625.3 | 2582.8 | 2522.7 | 2374.6 | 2159.6 | 1728.2 | 1061.2 | 420.1 | 107.9 | 65.3  | 56.2  |
| 62.5° | 3267.2 | 3018.0 | 2797.0 | 2556.9 | 2275.1 | 1802.6 | 1084.0 | 417.8 | 94.2  | 49.4  | 39.5  |
| 65°   | 3667.5 | 3219.3 | 2862.3 | 2561.5 | 2229.5 | 1740.3 | 1025.5 | 383.6 | 79.8  | 40.3  | 32.7  |
| 67.5° | 3763.2 | 3110.7 | 2605.5 | 2221.9 | 1862.6 | 1354.4 | 752.8  | 288.7 | 62.3  | 33.4  | 28.9  |
| 69°   | 3554.3 | 2765.1 | 2158.9 | 1723.6 | 1355.2 | 898.6  | 465.7  | 182.3 | 47.9  | 30.4  | 26.6  |
| 70°   | 3269.5 | 2405.0 | 1758.6 | 1383.3 | 1003.5 | 631.3  | 325.9  | 128.4 | 38.7  | 28.1  | 24.3  |
| 72.5° | 2103.4 | 1263.3 | 864.5  | 601.6  | 414.0  | 251.4  | 127.6  | 57.7  | 29.6  | 23.5  | 19.8  |
| 75°   | 815.8  | 467.2  | 338.8  | 257.5  | 201.3  | 139.8  | 77.5   | 37.2  | 25.1  | 19.8  | 15.2  |
| 77.5° | 401.8  | 307.7  | 251.4  | 172.4  | 100.3  | 62.3   | 41.8   | 28.9  | 20.5  | 14.4  | 9.9   |
| 80°   | 317.5  | 211.2  | 126.1  | 78.2   | 59.3   | 44.8   | 31.9   | 23.5  | 15.2  | 9.1   | 6.8   |
| 82.5° | 162.6  | 88.9   | 65.3   | 53.2   | 44.1   | 34.9   | 25.8   | 16.7  | 9.9   | 6.1   | 5.3   |
| 85°   | 50.9   | 37.2   | 33.4   | 32.7   | 30.4   | 25.1   | 18.2   | 10.6  | 6.1   | 3.8   | 3.8   |
| 87.5° | 3.8    | 5.3    | 6.8    | 5.3    | 6.1    | 5.3    | 6.8    | 4.6   | 3.0   | 3.0   | 2.3   |
| 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):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 350.2 | 350.2 | 350.2 | 350.2 | 350.2 | 350.2 | 350.2 | 350.2 | 350.2 | 350.2 | 350.2 |
| 2.5°  | 319.0 | 309.9 | 301.6 | 296.3 | 286.4 | 282.6 | 278.8 | 277.3 | 270.4 | 271.9 | 265.9 |
| 5°    | 278.8 | 262.8 | 250.7 | 238.5 | 227.1 | 218.8 | 211.9 | 203.6 | 196.7 | 193.7 | 187.6 |
| 7.5°  | 242.3 | 221.8 | 205.9 | 192.9 | 179.3 | 168.6 | 159.5 | 153.4 | 147.4 | 141.3 | 138.3 |
| 10°   | 210.4 | 188.4 | 170.2 | 157.2 | 144.3 | 135.2 | 128.4 | 123.8 | 120.0 | 117.7 | 117.0 |
| 12.5° | 180.8 | 159.5 | 142.8 | 131.4 | 121.5 | 117.0 | 113.9 | 111.7 | 110.9 | 110.1 | 110.1 |
| 15°   | 158.0 | 136.7 | 123.8 | 115.5 | 110.9 | 108.6 | 107.9 | 106.3 | 104.8 | 104.1 | 104.1 |
| 17.5° | 136.7 | 120.8 | 111.7 | 107.1 | 104.8 | 103.3 | 101.8 | 100.3 | 98.8  | 98.0  | 98.0  |
| 20°   | 122.3 | 109.4 | 104.8 | 101.8 | 99.5  | 98.0  | 95.7  | 94.2  | 93.4  | 92.7  | 91.9  |
| 22.5° | 110.9 | 102.6 | 99.5  | 97.2  | 94.2  | 91.9  | 90.4  | 88.9  | 87.4  | 86.6  | 85.8  |
| 25°   | 102.6 | 97.2  | 95.0  | 91.9  | 88.9  | 86.6  | 84.3  | 82.0  | 80.5  | 79.8  | 78.2  |
| 27.5° | 96.5  | 92.7  | 89.6  | 85.8  | 82.8  | 80.5  | 78.2  | 76.0  | 74.4  | 72.9  | 72.2  |
| 30°   | 91.2  | 87.4  | 83.6  | 80.5  | 76.7  | 74.4  | 71.4  | 69.1  | 68.4  | 66.8  | 65.3  |
| 32.5° | 85.8  | 82.0  | 78.2  | 74.4  | 70.6  | 67.6  | 66.1  | 63.0  | 61.5  | 60.8  | 59.3  |
| 35°   | 79.8  | 76.0  | 71.4  | 68.4  | 64.6  | 61.5  | 59.3  | 57.0  | 55.5  | 53.9  | 53.2  |
| 37.5° | 74.4  | 69.9  | 65.3  | 61.5  | 58.5  | 55.5  | 53.2  | 50.9  | 49.4  | 47.9  | 47.1  |
| 40°   | 68.4  | 63.8  | 59.3  | 55.5  | 52.4  | 50.1  | 47.9  | 45.6  | 44.1  | 43.3  | 43.3  |
| 42.5° | 63.0  | 57.7  | 53.2  | 50.1  | 47.9  | 44.8  | 42.5  | 40.3  | 39.5  | 38.7  | 39.5  |
| 45°   | 57.7  | 52.4  | 48.6  | 45.6  | 43.3  | 40.3  | 38.0  | 36.5  | 35.7  | 36.5  | 37.2  |
| 47.5° | 53.2  | 47.9  | 44.1  | 41.8  | 39.5  | 37.2  | 34.9  | 33.4  | 33.4  | 34.9  | 36.5  |
| 50°   | 48.6  | 43.3  | 40.3  | 38.7  | 36.5  | 34.2  | 31.1  | 30.4  | 31.1  | 32.7  | 34.2  |
| 52.5° | 44.1  | 38.0  | 35.7  | 34.9  | 32.7  | 30.4  | 28.1  | 27.3  | 28.1  | 29.6  | 28.9  |
| 55°   | 39.5  | 33.4  | 32.7  | 31.9  | 29.6  | 26.6  | 24.3  | 24.3  | 24.3  | 23.5  | 22.0  |
| 57.5° | 38.0  | 29.6  | 28.9  | 28.1  | 25.8  | 22.8  | 21.3  | 19.8  | 19.0  | 16.7  | 16.0  |
| 60°   | 39.5  | 26.6  | 26.6  | 25.1  | 22.8  | 19.8  | 17.5  | 15.2  | 13.7  | 12.2  | 12.2  |
| 62.5° | 31.9  | 24.3  | 23.5  | 22.0  | 19.0  | 16.0  | 13.7  | 11.4  | 10.6  | 9.9   | 9.9   |
| 65°   | 25.8  | 22.0  | 20.5  | 18.2  | 16.0  | 12.9  | 10.6  | 9.1   | 8.4   | 8.4   | 9.1   |
| 67.5° | 23.5  | 19.8  | 17.5  | 15.2  | 12.9  | 9.9   | 8.4   | 7.6   | 7.6   | 8.4   | 8.4   |
| 69°   | 22.0  | 18.2  | 16.0  | 13.7  | 11.4  | 9.1   | 7.6   | 7.6   | 7.6   | 7.6   | 8.4   |
| 70°   | 20.5  | 17.5  | 15.2  | 12.9  | 9.9   | 7.6   | 6.8   | 6.8   | 7.6   | 7.6   | 8.4   |
| 72.5° | 16.0  | 13.7  | 12.9  | 10.6  | 7.6   | 6.8   | 6.1   | 6.8   | 6.8   | 7.6   | 7.6   |
| 75°   | 12.2  | 9.9   | 9.9   | 8.4   | 6.1   | 5.3   | 5.3   | 6.1   | 6.1   | 6.8   | 6.8   |
| 77.5° | 8.4   | 6.8   | 6.8   | 6.1   | 5.3   | 4.6   | 4.6   | 5.3   | 6.1   | 6.1   | 6.8   |
| 80°   | 6.1   | 5.3   | 4.6   | 5.3   | 4.6   | 3.8   | 4.6   | 5.3   | 5.3   | 6.1   | 6.1   |
| 82.5° | 4.6   | 4.6   | 4.6   | 4.6   | 3.8   | 3.8   | 4.6   | 4.6   | 5.3   | 6.1   | 6.1   |
| 85°   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 3.8   | 4.6   | 4.6   | 5.3   | 5.3   |
| 87.5° | 2.3   | 2.3   | 2.3   | 3.0   | 3.0   | 3.8   | 3.8   | 3.8   | 3.8   | 4.6   | 4.6   |
| 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: P180836

CATALOG NUMBER: ICS-E03-LED-E1-SL4-HSS-8030

**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 0°    | 350.2 | 350.2 | 350.2 | 350.2 |
| 2.5°  | 264.4 | 263.6 | 260.6 | 261.3 |
| 5°    | 185.4 | 180.8 | 183.8 | 183.1 |
| 7.5°  | 136.0 | 135.2 | 134.5 | 136.0 |
| 10°   | 116.2 | 116.2 | 115.5 | 116.2 |
| 12.5° | 109.4 | 109.4 | 109.4 | 109.4 |
| 15°   | 104.1 | 104.1 | 103.3 | 103.3 |
| 17.5° | 98.0  | 98.0  | 98.0  | 97.2  |
| 20°   | 91.9  | 91.2  | 91.2  | 91.2  |
| 22.5° | 85.1  | 84.3  | 84.3  | 84.3  |
| 25°   | 78.2  | 77.5  | 77.5  | 77.5  |
| 27.5° | 71.4  | 70.6  | 69.9  | 69.9  |
| 30°   | 64.6  | 63.8  | 63.0  | 63.0  |
| 32.5° | 57.7  | 57.0  | 56.2  | 56.2  |
| 35°   | 51.7  | 51.7  | 50.9  | 50.1  |
| 37.5° | 46.3  | 46.3  | 46.3  | 46.3  |
| 40°   | 42.5  | 43.3  | 43.3  | 43.3  |
| 42.5° | 40.3  | 41.0  | 41.8  | 42.5  |
| 45°   | 38.7  | 40.3  | 41.0  | 41.0  |
| 47.5° | 38.0  | 38.7  | 39.5  | 39.5  |
| 50°   | 34.9  | 34.2  | 34.2  | 34.2  |
| 52.5° | 28.1  | 26.6  | 25.8  | 25.1  |
| 55°   | 20.5  | 19.8  | 18.2  | 18.2  |
| 57.5° | 14.4  | 14.4  | 13.7  | 13.7  |
| 60°   | 11.4  | 11.4  | 10.6  | 11.4  |
| 62.5° | 9.9   | 9.9   | 9.9   | 9.9   |
| 65°   | 9.1   | 9.1   | 9.1   | 9.1   |
| 67.5° | 9.1   | 9.1   | 9.1   | 9.1   |
| 69°   | 8.4   | 8.4   | 8.4   | 8.4   |
| 70°   | 8.4   | 8.4   | 8.4   | 8.4   |
| 72.5° | 7.6   | 7.6   | 7.6   | 7.6   |
| 75°   | 6.8   | 7.6   | 7.6   | 7.6   |
| 77.5° | 6.8   | 6.8   | 6.8   | 6.8   |
| 80°   | 6.1   | 6.1   | 6.8   | 6.8   |
| 82.5° | 6.1   | 6.1   | 6.1   | 6.1   |
| 85°   | 5.3   | 5.3   | 6.1   | 6.1   |
| 87.5° | 4.6   | 4.6   | 5.3   | 5.3   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)