

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:

Luminaire Tested: **ENC-SA1D-740-U-SL2-HSS-ULG**

Issue Date: 3/30/2022

### Test Information

Test Method: LM-79-08  
Report Number: REPORT IS A COMBINATION OF REPORTS P401486 AND P226775  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ENC-SA1D-740-U-SL2-HSS-ULG  
Description: ENTRI LED LUMINAIRE WITH UPLIGHT  
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

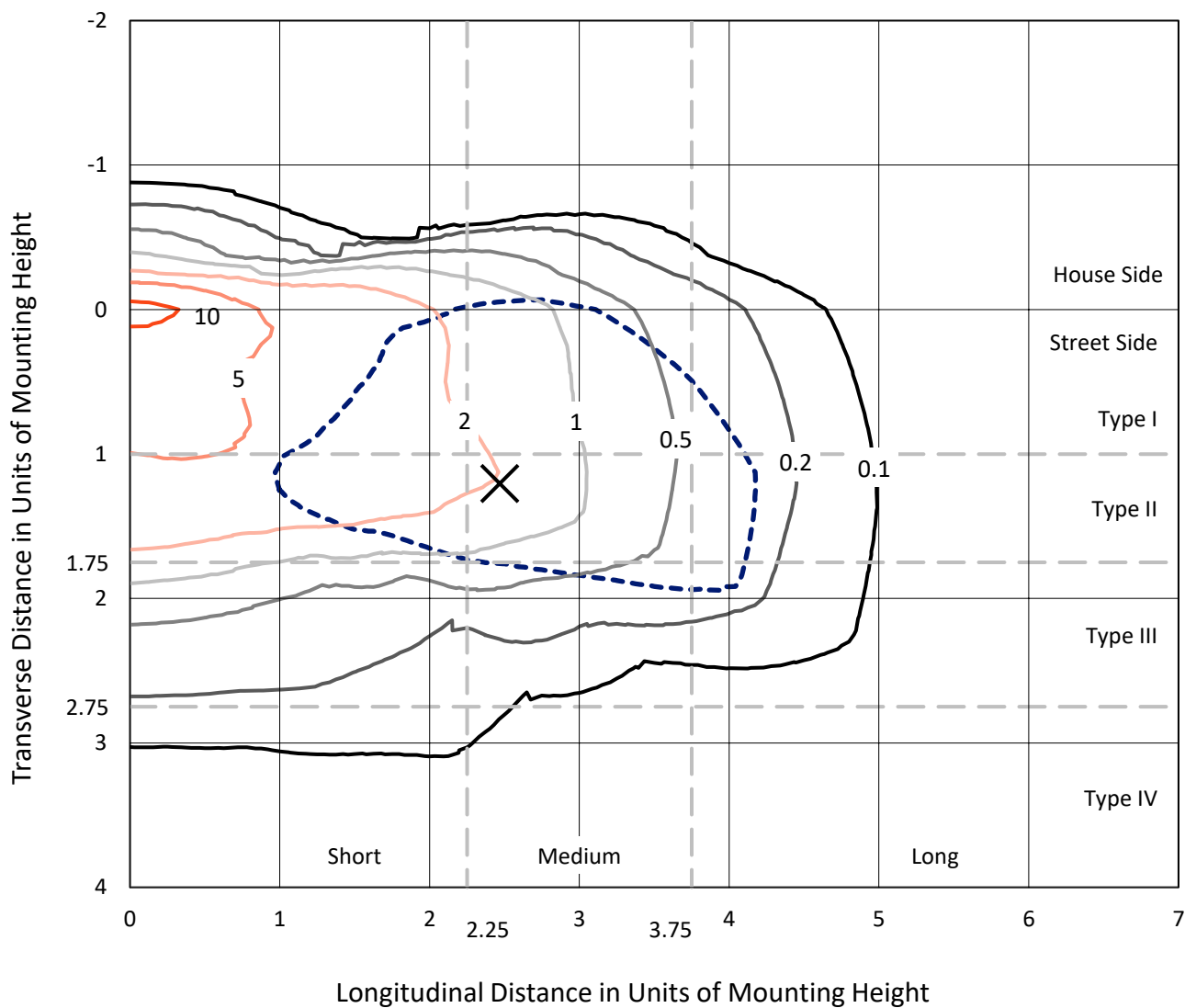
Lumens per Lamp: N/A  
Luminaire Lumens: 6337.9 lumens  
Efficiency: N/A  
Efficacy: 106.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.1')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U5 - G1  
  
Input Watts (W): 59.8  
Input Voltage (V): NR  
Input Current (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: 24 FT



REPORT NUMBER:  
 CATALOG NUMBER: ENC-SA1D-740-U-SL2-HSS-ULG

## Iso-Footcandle Lines of Horizontal Illumination

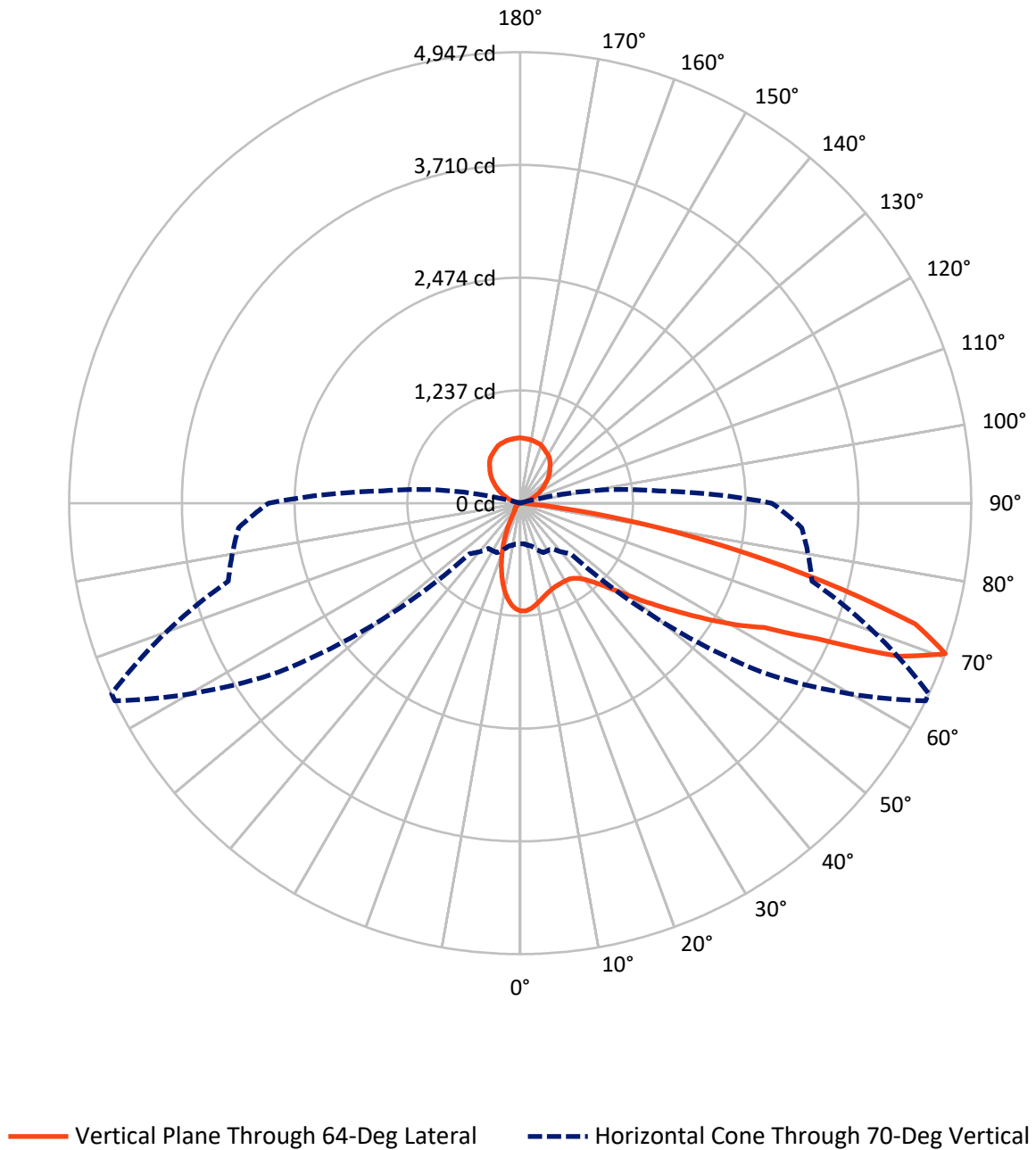
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 fc  
 Type III - Medium - N/A

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CATALOG NUMBER: ENC-SA1D-740-U-SL2-HSS-ULG

## Luminous Intensity Polar Plot



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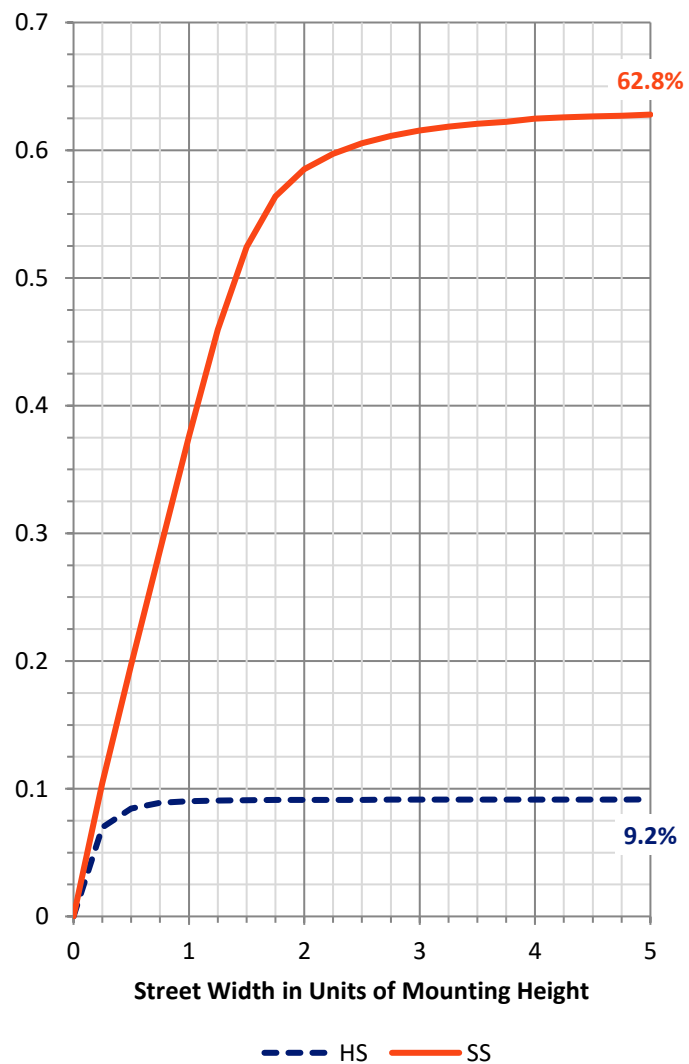
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 586.3    | 887.0  | 1473.2 |
|                    | % Fixture | 9.3      | 14.0   | 23.2   |
| <b>Street Side</b> | Lumens    | 3977.7   | 887.0  | 4864.6 |
|                    | % Fixture | 62.8     | 14.0   | 76.8   |
| <b>Total</b>       | Lumens    | 4564.0   | 1773.9 | 6337.9 |
|                    | % Fixture | 72.0     | 28.0   | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 99.6   | 1.6       |
| 10°-20°   | 220.9  | 3.5       |
| 20°-30°   | 304.3  | 4.8       |
| 30°-40°   | 419.0  | 6.6       |
| 40°-50°   | 624.5  | 9.9       |
| 50°-60°   | 986.5  | 15.6      |
| 60°-70°   | 1117.8 | 17.6      |
| 70°-80°   | 733.9  | 11.6      |
| 80°-90°   | 57.5   | 0.9       |
| 90°-100°  | 8.4    | 0.1       |
| 100°-110° | 58.7   | 0.9       |
| 110°-120° | 169.9  | 2.7       |
| 120°-130° | 279.4  | 4.4       |
| 130°-140° | 344.6  | 5.4       |
| 140°-150° | 352.5  | 5.6       |
| 150°-160° | 297.0  | 4.7       |
| 160°-170° | 195.5  | 3.1       |
| 170°-180° | 67.8   | 1.1       |
| 0°-90°    | 4564.0 | 72.0      |
| 0°-180°   | 6337.9 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER:

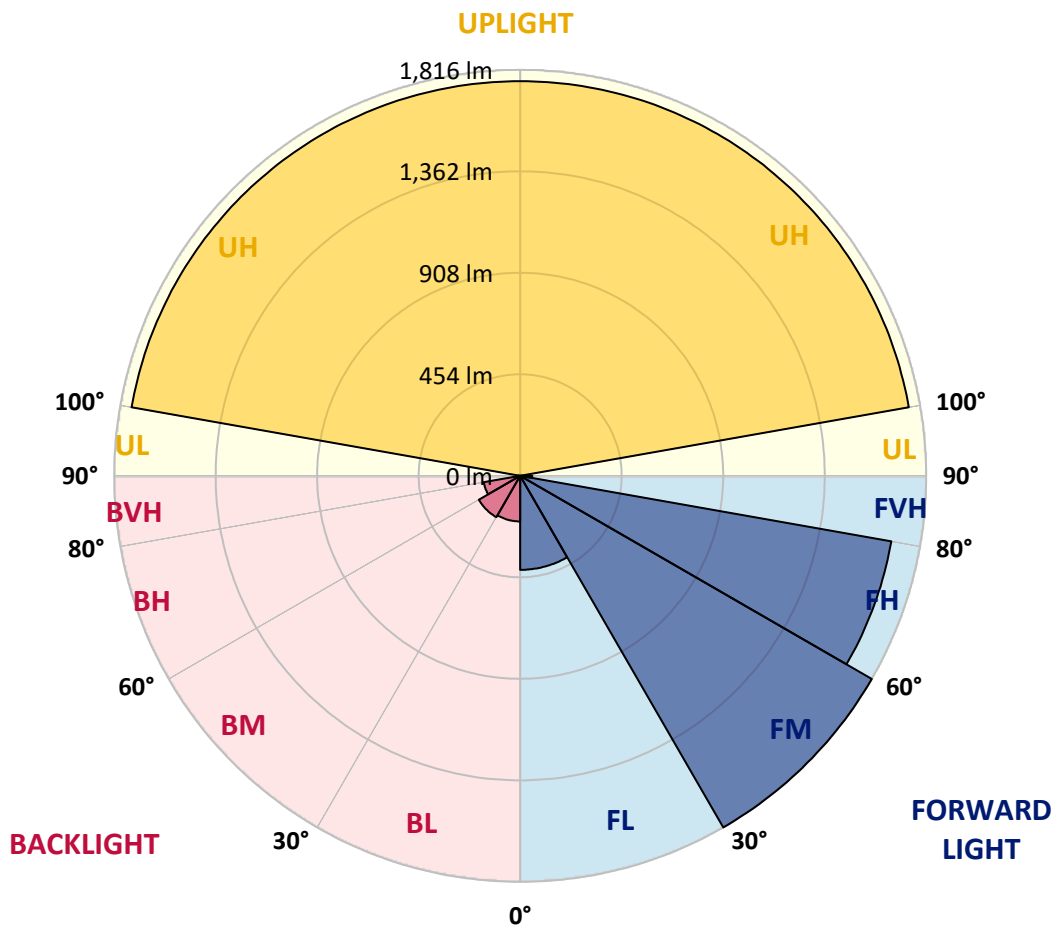
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|------|-------------|--------|-----------|-------------------------|-------|---------|
|      |             |        |           | B                       | U     | G       |
| FL   | (0°-30°)    | 420.7  | 6.6       |                         |       |         |
| FM   | (30°-60°)   | 1816.4 | 28.7      |                         |       |         |
| FH   | (60°-80°)   | 1686.2 | 26.6      |                         |       | G1/1800 |
| FVH  | (80°-90°)   | 54.4   | 0.9       |                         |       | G1/100  |
| BL   | (0°-30°)    | 204.1  | 3.2       | B1/500                  |       |         |
| BM   | (30°-60°)   | 213.5  | 3.4       | B0/220                  |       |         |
| BH   | (60°-80°)   | 165.5  | 2.6       | B1/500                  |       | G1/500  |
| BVH  | (80°-90°)   | 3.2    | 0.1       |                         |       | G0/10   |
| UL   | (90°-100°)  | 8.4    | 0.1       |                         | U1/10 |         |
| UH   | (100°-180°) | 1765.5 | 27.9      |                         | U5    |         |

**BUG Rating: B1-U5-G1**

Type III Medium



REPORT NUMBER:

CATALOG NUMBER: ENC-SA1D-740-U-SL2-HSS-ULG

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 64°    | 65°    | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1181.4 | 1181.4 | 1181.4 | 1181.4 | 1181.4 | 1181.4 | 1181.4 | 1181.4 | 1181.4 | 1181.4 | 1181.4 |
| 2.5°   | 1148.5 | 1148.5 | 1154.2 | 1159.8 | 1163.0 | 1171.8 | 1178.2 | 1183.1 | 1183.1 | 1186.3 | 1180.6 |
| 5°     | 1072.3 | 1072.3 | 1077.1 | 1090.8 | 1105.2 | 1123.7 | 1144.5 | 1165.4 | 1169.4 | 1184.7 | 1183.9 |
| 7.5°   | 1001.7 | 1008.1 | 1016.1 | 1029.8 | 1045.0 | 1072.3 | 1101.2 | 1137.3 | 1141.3 | 1178.2 | 1186.3 |
| 10°    | 952.7  | 956.7  | 961.5  | 976.8  | 999.3  | 1030.6 | 1061.9 | 1104.4 | 1111.6 | 1167.0 | 1186.3 |
| 12.5°  | 913.4  | 914.2  | 921.4  | 938.3  | 959.9  | 990.4  | 1025.7 | 1072.3 | 1081.1 | 1146.9 | 1183.1 |
| 15°    | 885.3  | 884.5  | 892.5  | 908.6  | 929.4  | 960.7  | 995.2  | 1044.2 | 1053.8 | 1130.1 | 1182.2 |
| 17.5°  | 868.4  | 869.2  | 875.7  | 887.7  | 907.8  | 937.5  | 972.8  | 1020.9 | 1030.6 | 1116.4 | 1186.3 |
| 20°    | 868.4  | 868.4  | 872.4  | 878.1  | 893.3  | 919.8  | 954.3  | 1004.1 | 1013.7 | 1107.6 | 1191.9 |
| 22.5°  | 885.3  | 883.7  | 886.9  | 882.1  | 889.3  | 907.8  | 943.1  | 992.8  | 1003.3 | 1103.6 | 1200.7 |
| 25°    | 915.8  | 912.6  | 915.0  | 904.5  | 896.5  | 904.5  | 935.8  | 988.0  | 999.3  | 1104.4 | 1208.7 |
| 27.5°  | 958.3  | 958.3  | 953.5  | 939.1  | 919.0  | 910.2  | 935.0  | 984.8  | 996.0  | 1104.4 | 1214.4 |
| 30°    | 1017.7 | 1015.3 | 1008.1 | 993.6  | 962.3  | 932.6  | 943.1  | 984.8  | 996.0  | 1105.2 | 1216.0 |
| 32.5°  | 1077.1 | 1078.7 | 1082.7 | 1068.3 | 1025.7 | 971.2  | 962.3  | 992.0  | 1001.7 | 1104.4 | 1213.6 |
| 35°    | 1137.3 | 1138.1 | 1155.8 | 1157.4 | 1102.8 | 1033.0 | 995.2  | 1011.3 | 1017.7 | 1112.4 | 1215.2 |
| 37.5°  | 1190.3 | 1194.3 | 1228.8 | 1245.7 | 1200.7 | 1112.4 | 1047.4 | 1047.4 | 1050.6 | 1134.1 | 1224.8 |
| 40°    | 1249.7 | 1260.1 | 1301.8 | 1339.6 | 1321.9 | 1214.4 | 1123.7 | 1100.4 | 1102.0 | 1173.4 | 1246.5 |
| 42.5°  | 1318.7 | 1331.5 | 1386.1 | 1440.7 | 1439.9 | 1339.6 | 1220.0 | 1184.7 | 1186.3 | 1241.6 | 1290.6 |
| 45°    | 1406.2 | 1415.0 | 1484.0 | 1552.3 | 1566.7 | 1477.6 | 1341.2 | 1294.6 | 1296.2 | 1345.2 | 1376.5 |
| 47.5°  | 1512.9 | 1523.4 | 1590.0 | 1671.8 | 1708.8 | 1643.8 | 1498.5 | 1447.9 | 1443.1 | 1477.6 | 1500.1 |
| 50°    | 1652.6 | 1672.6 | 1712.0 | 1790.6 | 1879.7 | 1836.4 | 1683.1 | 1632.5 | 1626.1 | 1653.4 | 1660.6 |
| 52.5°  | 1785.8 | 1804.3 | 1820.3 | 1892.6 | 2065.1 | 2075.6 | 1909.4 | 1854.0 | 1847.6 | 1854.0 | 1862.9 |
| 55°    | 1805.9 | 1816.3 | 1828.4 | 1926.3 | 2215.2 | 2379.7 | 2167.1 | 2101.2 | 2082.8 | 2070.7 | 2100.4 |
| 57.5°  | 1646.2 | 1639.7 | 1679.9 | 1813.1 | 2240.1 | 2716.0 | 2515.4 | 2387.8 | 2370.1 | 2303.5 | 2273.8 |
| 60°    | 1303.4 | 1294.6 | 1332.3 | 1514.5 | 2100.4 | 2883.0 | 2998.6 | 2704.8 | 2661.5 | 2438.3 | 2409.4 |
| 62.5°  | 915.8  | 905.3  | 954.3  | 1061.9 | 1629.3 | 2850.1 | 3543.5 | 3005.0 | 2919.1 | 2557.9 | 2518.6 |
| 65°    | 705.5  | 700.7  | 727.2  | 751.2  | 994.4  | 2468.8 | 3843.7 | 3590.9 | 3413.5 | 2688.0 | 2637.4 |
| 67.5°  | 553.0  | 559.4  | 592.3  | 662.2  | 642.1  | 1538.6 | 3815.6 | 4485.0 | 4307.6 | 2927.1 | 2895.0 |
| 70°    | 444.6  | 446.3  | 487.2  | 598.7  | 606.0  | 783.4  | 3230.5 | 4947.3 | 4944.9 | 3313.2 | 3099.7 |
| 72.5°  | 268.9  | 276.1  | 342.7  | 517.7  | 611.6  | 599.6  | 2171.9 | 4533.2 | 4595.8 | 3403.1 | 2795.5 |
| 75°    | 129.2  | 136.4  | 177.4  | 347.5  | 607.6  | 583.5  | 1175.0 | 3432.0 | 3512.2 | 3051.5 | 2266.6 |
| 77.5°  | 48.2   | 54.6   | 81.9   | 170.2  | 450.3  | 534.5  | 618.0  | 2313.9 | 2377.3 | 2233.7 | 1535.4 |
| 80°    | 15.2   | 17.7   | 32.1   | 77.9   | 228.7  | 441.4  | 398.1  | 1305.0 | 1347.6 | 977.6  | 516.1  |
| 82.5°  | 1.6    | 2.4    | 8.8    | 26.5   | 88.3   | 224.7  | 233.6  | 491.2  | 512.9  | 191.0  | 104.3  |
| 85°    | 0.0    | 0.0    | 0.0    | 0.0    | 1.6    | 1.6    | 57.8   | 93.9   | 77.1   | 18.5   | 30.5   |
| 87.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.8    | 1.6    | 2.4    | 2.4    | 2.4    | 3.2    |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 4.1    | 4.1    | 5.1    | 6.1    | 6.1    | 6.1    | 7.2    | 7.2    | 7.2    | 6.1    | 6.1    |
| 95°    | 5.1    | 5.1    | 6.1    | 7.2    | 7.2    | 7.2    | 7.2    | 8.1    | 8.2    | 7.2    | 7.2    |
| 97.5°  | 7.2    | 7.2    | 8.2    | 8.2    | 9.2    | 9.2    | 12.3   | 10.4   | 10.2   | 9.2    | 8.2    |
| 100°   | 8.2    | 8.2    | 9.2    | 10.2   | 12.3   | 21.5   | 29.7   | 26.9   | 26.6   | 23.5   | 19.4   |
| 102.5° | 11.3   | 11.3   | 13.3   | 18.4   | 27.6   | 40.9   | 51.1   | 48.4   | 48.1   | 43.0   | 39.9   |
| 105°   | 21.5   | 22.5   | 27.6   | 36.8   | 49.1   | 64.4   | 73.7   | 71.8   | 71.6   | 66.5   | 62.4   |
| 107.5° | 41.9   | 43.0   | 50.1   | 59.3   | 74.7   | 90.0   | 97.2   | 96.3   | 96.2   | 92.1   | 89.0   |
| 110°   | 67.5   | 69.6   | 75.7   | 89.0   | 104.3  | 116.6  | 122.8  | 123.7  | 123.8  | 121.7  | 118.7  |

REPORT NUMBER:

CATALOG NUMBER: ENC-SA1D-740-U-SL2-HSS-ULG

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 64°   | 65°   | 75°   | 85°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 101.3 | 101.3 | 108.4 | 123.8 | 137.1 | 146.3 | 151.4 | 153.2 | 153.4 | 152.4 | 150.4 |
| 115°   | 143.2 | 142.2 | 150.4 | 162.6 | 171.9 | 178.0 | 183.1 | 185.9 | 186.2 | 183.1 | 181.1 |
| 117.5° | 188.2 | 188.2 | 193.3 | 201.5 | 206.6 | 209.7 | 215.8 | 219.5 | 219.9 | 214.8 | 212.8 |
| 120°   | 230.2 | 228.1 | 231.2 | 238.3 | 242.4 | 248.6 | 251.6 | 255.3 | 255.7 | 250.6 | 248.6 |
| 122.5° | 269.0 | 266.0 | 267.0 | 273.1 | 277.2 | 283.4 | 285.4 | 289.1 | 289.5 | 284.4 | 282.3 |
| 125°   | 304.8 | 300.7 | 302.8 | 305.9 | 312.0 | 317.1 | 320.2 | 322.0 | 322.2 | 317.1 | 317.1 |
| 127.5° | 337.6 | 336.6 | 336.6 | 340.6 | 346.8 | 347.8 | 352.9 | 353.8 | 353.9 | 353.9 | 352.9 |
| 130°   | 371.3 | 369.3 | 370.3 | 374.4 | 378.5 | 380.5 | 385.7 | 389.3 | 389.7 | 389.7 | 387.7 |
| 132.5° | 405.1 | 403.0 | 402.0 | 410.2 | 413.3 | 414.3 | 420.4 | 425.0 | 425.5 | 423.5 | 423.5 |
| 135°   | 438.8 | 435.8 | 435.8 | 441.9 | 445.0 | 447.0 | 453.2 | 457.8 | 458.3 | 457.3 | 460.3 |
| 137.5° | 470.6 | 467.5 | 469.5 | 470.6 | 474.6 | 478.7 | 483.9 | 485.7 | 485.9 | 486.9 | 492.0 |
| 140°   | 499.2 | 496.1 | 498.2 | 500.2 | 502.3 | 508.4 | 511.5 | 513.3 | 513.5 | 515.6 | 520.7 |
| 142.5° | 529.9 | 526.8 | 528.9 | 529.9 | 533.0 | 537.0 | 539.1 | 544.6 | 545.2 | 545.2 | 546.3 |
| 145°   | 562.6 | 558.5 | 556.5 | 559.6 | 562.6 | 563.6 | 568.8 | 574.3 | 574.9 | 573.9 | 570.8 |
| 147.5° | 588.2 | 585.1 | 584.1 | 587.2 | 587.2 | 588.2 | 593.3 | 597.9 | 598.4 | 599.4 | 596.4 |
| 150°   | 608.7 | 605.6 | 606.6 | 606.6 | 606.6 | 606.6 | 610.7 | 613.5 | 613.8 | 616.8 | 619.9 |
| 152.5° | 625.0 | 622.0 | 622.0 | 623.0 | 624.0 | 624.0 | 625.0 | 627.8 | 628.1 | 632.2 | 637.3 |
| 155°   | 643.4 | 639.3 | 639.3 | 641.4 | 644.5 | 642.4 | 640.4 | 645.0 | 645.5 | 650.6 | 652.6 |
| 157.5° | 660.8 | 657.8 | 657.8 | 658.8 | 660.8 | 659.8 | 658.8 | 662.5 | 662.9 | 664.9 | 664.9 |
| 160°   | 678.2 | 675.1 | 674.1 | 671.1 | 670.0 | 670.0 | 673.1 | 678.6 | 679.2 | 676.2 | 675.1 |
| 162.5° | 688.4 | 684.4 | 684.4 | 680.3 | 676.2 | 678.2 | 682.3 | 686.0 | 686.4 | 685.4 | 683.3 |
| 165°   | 696.6 | 693.6 | 691.5 | 691.5 | 688.4 | 688.4 | 687.4 | 692.0 | 692.5 | 695.6 | 693.6 |
| 167.5° | 705.8 | 702.8 | 699.7 | 701.7 | 703.8 | 700.7 | 693.6 | 699.1 | 699.7 | 703.8 | 703.8 |
| 170°   | 714.0 | 711.0 | 707.9 | 707.9 | 708.9 | 706.9 | 701.7 | 704.5 | 704.8 | 709.9 | 712.0 |
| 172.5° | 715.0 | 713.0 | 711.0 | 708.9 | 705.8 | 705.8 | 704.8 | 707.6 | 707.9 | 709.9 | 712.0 |
| 175°   | 716.1 | 714.0 | 713.0 | 711.0 | 706.9 | 705.8 | 705.8 | 710.4 | 711.0 | 712.0 | 709.9 |
| 177.5° | 723.2 | 721.2 | 716.1 | 715.0 | 713.0 | 711.0 | 709.9 | 714.5 | 715.0 | 717.1 | 714.0 |
| 180°   | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 |

REPORT NUMBER:

CATALOG NUMBER: ENC-SA1D-740-U-SL2-HSS-ULG

**CANDELA DISTRIBUTION (continued):**

|        | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1181.4 | 1181.4 | 1181.4 | 1181.4 | 1181.4 | 1181.4 | 1181.4 | 1181.4 | 1181.4 | 1181.4 | 1181.4 |
| 2.5°   | 1179.8 | 1179.8 | 1174.2 | 1165.4 | 1154.2 | 1138.1 | 1134.1 | 1121.3 | 1121.3 | 1110.8 | 1109.2 |
| 5°     | 1181.4 | 1176.6 | 1158.2 | 1130.9 | 1093.2 | 1052.2 | 1026.5 | 998.5  | 974.4  | 959.1  | 960.7  |
| 7.5°   | 1181.4 | 1171.0 | 1134.1 | 1073.9 | 1003.3 | 932.6  | 878.9  | 816.3  | 787.4  | 768.1  | 776.9  |
| 10°    | 1178.2 | 1160.6 | 1096.4 | 1004.9 | 893.3  | 795.4  | 707.1  | 634.9  | 585.1  | 564.2  | 546.6  |
| 12.5°  | 1171.0 | 1145.3 | 1049.0 | 919.0  | 776.1  | 647.7  | 525.7  | 431.0  | 365.2  | 332.3  | 328.3  |
| 15°    | 1164.6 | 1129.3 | 993.6  | 825.1  | 643.7  | 475.9  | 339.5  | 248.8  | 192.6  | 179.8  | 181.4  |
| 17.5°  | 1163.0 | 1114.0 | 940.7  | 725.6  | 514.5  | 317.0  | 195.8  | 158.1  | 150.1  | 146.9  | 146.1  |
| 20°    | 1163.8 | 1100.4 | 882.9  | 626.8  | 364.4  | 197.4  | 148.5  | 139.7  | 136.4  | 134.8  | 134.0  |
| 22.5°  | 1167.0 | 1085.1 | 825.9  | 523.3  | 248.8  | 144.5  | 132.4  | 126.8  | 122.8  | 120.4  | 119.6  |
| 25°    | 1167.0 | 1068.3 | 762.5  | 413.3  | 162.9  | 126.8  | 118.8  | 111.6  | 105.9  | 102.7  | 102.7  |
| 27.5°  | 1164.6 | 1049.0 | 696.7  | 313.8  | 129.2  | 113.2  | 104.3  | 94.7   | 87.5   | 83.5   | 83.5   |
| 30°    | 1157.4 | 1025.7 | 633.3  | 219.1  | 113.2  | 101.1  | 89.9   | 77.9   | 69.0   | 65.0   | 63.4   |
| 32.5°  | 1146.9 | 1000.9 | 560.2  | 154.1  | 101.9  | 88.3   | 75.4   | 62.6   | 54.6   | 49.8   | 49.8   |
| 35°    | 1135.7 | 976.0  | 481.6  | 118.0  | 92.3   | 77.9   | 63.4   | 50.6   | 43.3   | 40.1   | 39.3   |
| 37.5°  | 1130.1 | 949.5  | 404.5  | 101.9  | 82.7   | 66.6   | 51.4   | 40.9   | 35.3   | 32.9   | 32.1   |
| 40°    | 1134.1 | 929.4  | 329.1  | 91.5   | 73.8   | 56.2   | 42.5   | 34.5   | 29.7   | 26.5   | 26.5   |
| 42.5°  | 1158.2 | 918.2  | 257.6  | 83.5   | 65.8   | 47.4   | 35.3   | 28.1   | 23.3   | 20.9   | 20.9   |
| 45°    | 1207.1 | 926.2  | 195.8  | 76.2   | 56.2   | 39.3   | 29.7   | 22.5   | 17.7   | 15.2   | 15.2   |
| 47.5°  | 1289.0 | 958.3  | 148.5  | 69.8   | 48.2   | 32.1   | 24.1   | 17.7   | 13.6   | 12.0   | 11.2   |
| 50°    | 1408.6 | 1021.7 | 116.4  | 63.4   | 40.1   | 27.3   | 20.1   | 13.6   | 10.4   | 8.8    | 8.8    |
| 52.5°  | 1581.1 | 1131.7 | 99.5   | 56.2   | 32.9   | 22.5   | 16.1   | 10.4   | 8.0    | 6.4    | 6.4    |
| 55°    | 1793.0 | 1271.3 | 89.9   | 49.8   | 26.5   | 18.5   | 12.8   | 8.0    | 5.6    | 4.8    | 4.0    |
| 57.5°  | 1964.8 | 1382.1 | 84.3   | 43.3   | 22.5   | 16.1   | 9.6    | 6.4    | 4.8    | 3.2    | 3.2    |
| 60°    | 2116.5 | 1453.5 | 74.6   | 36.1   | 19.3   | 12.8   | 8.0    | 4.8    | 3.2    | 2.4    | 2.4    |
| 62.5°  | 2239.3 | 1500.1 | 61.8   | 28.9   | 16.1   | 10.4   | 6.4    | 4.0    | 3.2    | 2.4    | 2.4    |
| 65°    | 2378.9 | 1537.8 | 50.6   | 22.5   | 13.6   | 8.8    | 5.6    | 3.2    | 2.4    | 2.4    | 2.4    |
| 67.5°  | 2652.6 | 1622.1 | 37.7   | 17.7   | 10.4   | 7.2    | 4.8    | 3.2    | 2.4    | 1.6    | 1.6    |
| 70°    | 2759.4 | 1523.4 | 29.7   | 14.4   | 8.0    | 6.4    | 4.8    | 3.2    | 1.6    | 1.6    | 1.6    |
| 72.5°  | 2348.4 | 1140.5 | 23.3   | 12.0   | 7.2    | 5.6    | 4.8    | 3.2    | 2.4    | 2.4    | 1.6    |
| 75°    | 1862.9 | 770.5  | 18.5   | 9.6    | 7.2    | 6.4    | 4.8    | 4.8    | 4.0    | 3.2    | 3.2    |
| 77.5°  | 1189.5 | 341.1  | 14.4   | 8.0    | 7.2    | 8.0    | 7.2    | 4.8    | 4.8    | 4.0    | 4.0    |
| 80°    | 354.8  | 81.9   | 10.4   | 6.4    | 5.6    | 6.4    | 7.2    | 4.8    | 3.2    | 2.4    | 2.4    |
| 82.5°  | 77.1   | 19.3   | 6.4    | 3.2    | 4.0    | 3.2    | 4.8    | 4.8    | 3.2    | 2.4    | 2.4    |
| 85°    | 25.7   | 7.2    | 4.0    | 3.2    | 2.4    | 2.4    | 2.4    | 2.4    | 2.4    | 2.4    | 1.6    |
| 87.5°  | 1.6    | 2.4    | 2.4    | 1.6    | 1.6    | 1.6    | 1.6    | 0.8    | 0.8    | 1.6    | 1.6    |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 6.1    | 6.1    | 6.1    | 7.2    | 7.2    | 6.1    | 6.1    | 6.1    | 5.1    | 4.1    | 4.1    |
| 95°    | 7.2    | 7.2    | 7.2    | 8.2    | 7.2    | 7.2    | 7.2    | 7.2    | 6.1    | 5.1    | 5.1    |
| 97.5°  | 8.2    | 8.2    | 9.2    | 10.2   | 12.3   | 9.2    | 9.2    | 8.2    | 8.2    | 7.2    | 7.2    |
| 100°   | 19.4   | 19.4   | 23.5   | 26.6   | 29.7   | 21.5   | 12.3   | 10.2   | 9.2    | 8.2    | 8.2    |
| 102.5° | 38.9   | 39.9   | 43.0   | 48.1   | 51.1   | 40.9   | 27.6   | 18.4   | 13.3   | 11.3   | 11.3   |
| 105°   | 62.4   | 62.4   | 66.5   | 71.6   | 73.7   | 64.4   | 49.1   | 36.8   | 27.6   | 22.5   | 21.5   |
| 107.5° | 88.0   | 89.0   | 92.1   | 96.2   | 97.2   | 90.0   | 74.7   | 59.3   | 50.1   | 43.0   | 41.9   |
| 110°   | 119.7  | 118.7  | 121.7  | 123.8  | 122.8  | 116.6  | 104.3  | 89.0   | 75.7   | 69.6   | 67.5   |

REPORT NUMBER:

CATALOG NUMBER: ENC-SA1D-740-U-SL2-HSS-ULG

**CANDELA DISTRIBUTION (continued):**

|        | 90°   | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 150.4 | 150.4 | 152.4 | 153.4 | 151.4 | 146.3 | 137.1 | 123.8 | 108.4 | 101.3 | 101.3 |
| 115°   | 182.1 | 181.1 | 183.1 | 186.2 | 183.1 | 178.0 | 171.9 | 162.6 | 150.4 | 142.2 | 143.2 |
| 117.5° | 213.8 | 212.8 | 214.8 | 219.9 | 215.8 | 209.7 | 206.6 | 201.5 | 193.3 | 188.2 | 188.2 |
| 120°   | 248.6 | 248.6 | 250.6 | 255.7 | 251.6 | 248.6 | 242.4 | 238.3 | 231.2 | 228.1 | 230.2 |
| 122.5° | 283.4 | 282.3 | 284.4 | 289.5 | 285.4 | 283.4 | 277.2 | 273.1 | 267.0 | 266.0 | 269.0 |
| 125°   | 317.1 | 317.1 | 317.1 | 322.2 | 320.2 | 317.1 | 312.0 | 305.9 | 302.8 | 300.7 | 304.8 |
| 127.5° | 355.0 | 352.9 | 353.9 | 353.9 | 352.9 | 347.8 | 346.8 | 340.6 | 336.6 | 336.6 | 337.6 |
| 130°   | 388.7 | 387.7 | 389.7 | 389.7 | 385.7 | 380.5 | 378.5 | 374.4 | 370.3 | 369.3 | 371.3 |
| 132.5° | 424.5 | 423.5 | 423.5 | 425.5 | 420.4 | 414.3 | 413.3 | 410.2 | 402.0 | 403.0 | 405.1 |
| 135°   | 461.4 | 460.3 | 457.3 | 458.3 | 453.2 | 447.0 | 445.0 | 441.9 | 435.8 | 435.8 | 438.8 |
| 137.5° | 493.1 | 492.0 | 486.9 | 485.9 | 483.9 | 478.7 | 474.6 | 470.6 | 469.5 | 467.5 | 470.6 |
| 140°   | 522.7 | 520.7 | 515.6 | 513.5 | 511.5 | 508.4 | 502.3 | 500.2 | 498.2 | 496.1 | 499.2 |
| 142.5° | 548.3 | 546.3 | 545.2 | 545.2 | 539.1 | 537.0 | 533.0 | 529.9 | 528.9 | 526.8 | 529.9 |
| 145°   | 572.9 | 570.8 | 573.9 | 574.9 | 568.8 | 563.6 | 562.6 | 559.6 | 556.5 | 558.5 | 562.6 |
| 147.5° | 598.4 | 596.4 | 599.4 | 598.4 | 593.3 | 588.2 | 587.2 | 587.2 | 584.1 | 585.1 | 588.2 |
| 150°   | 624.0 | 619.9 | 616.8 | 613.8 | 610.7 | 606.6 | 606.6 | 606.6 | 606.6 | 605.6 | 608.7 |
| 152.5° | 642.4 | 637.3 | 632.2 | 628.1 | 625.0 | 624.0 | 624.0 | 623.0 | 622.0 | 622.0 | 625.0 |
| 155°   | 655.7 | 652.6 | 650.6 | 645.5 | 640.4 | 642.4 | 644.5 | 641.4 | 639.3 | 639.3 | 643.4 |
| 157.5° | 670.0 | 664.9 | 664.9 | 662.9 | 658.8 | 659.8 | 660.8 | 658.8 | 657.8 | 657.8 | 660.8 |
| 160°   | 681.3 | 675.1 | 676.2 | 679.2 | 673.1 | 670.0 | 670.0 | 671.1 | 674.1 | 675.1 | 678.2 |
| 162.5° | 689.5 | 683.3 | 685.4 | 686.4 | 682.3 | 678.2 | 676.2 | 680.3 | 684.4 | 684.4 | 688.4 |
| 165°   | 697.7 | 693.6 | 695.6 | 692.5 | 687.4 | 688.4 | 688.4 | 691.5 | 691.5 | 693.6 | 696.6 |
| 167.5° | 709.9 | 703.8 | 703.8 | 699.7 | 693.6 | 700.7 | 703.8 | 701.7 | 699.7 | 702.8 | 705.8 |
| 170°   | 717.1 | 712.0 | 709.9 | 704.8 | 701.7 | 706.9 | 708.9 | 707.9 | 707.9 | 711.0 | 714.0 |
| 172.5° | 717.1 | 712.0 | 709.9 | 707.9 | 704.8 | 705.8 | 705.8 | 708.9 | 711.0 | 713.0 | 715.0 |
| 175°   | 715.0 | 709.9 | 712.0 | 711.0 | 705.8 | 705.8 | 706.9 | 711.0 | 713.0 | 714.0 | 716.1 |
| 177.5° | 718.1 | 714.0 | 717.1 | 715.0 | 709.9 | 711.0 | 713.0 | 715.0 | 716.1 | 721.2 | 723.2 |
| 180°   | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 |

(END OF REPORT)