

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: P401318

Luminaire Tested: **ENC-SA1C-740-U-SLL-HSS**

Issue Date: 5/20/2020

Test Information

Test Method: LM-79-08
Report Number: P401318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2004-754-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/20/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ENC-SA1C-740-U-SLL-HSS
Description: ENTRI LED LUMINAIRE
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3392 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 33.3
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

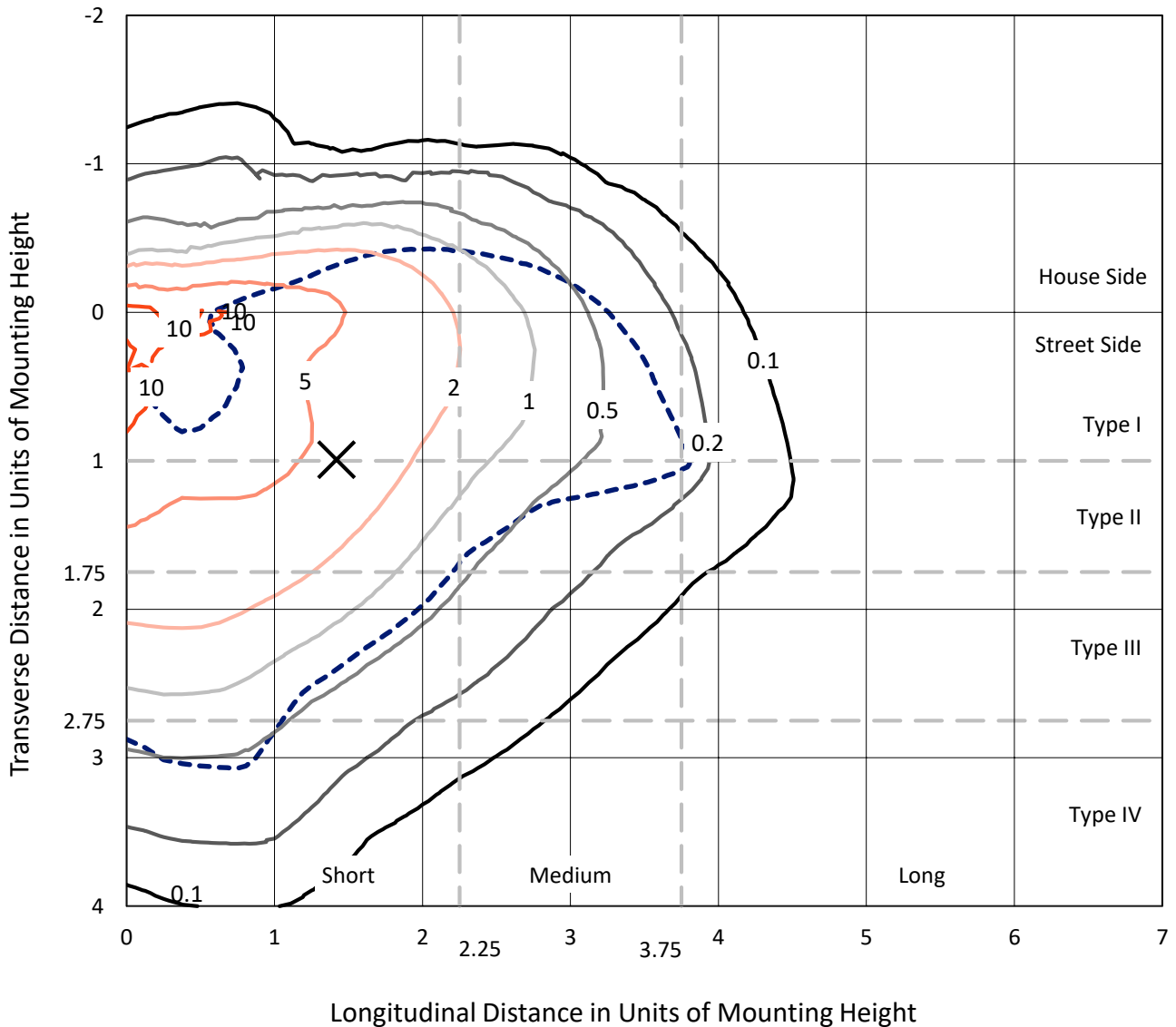


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Iso-Footcandle Lines of Horizontal Illumination

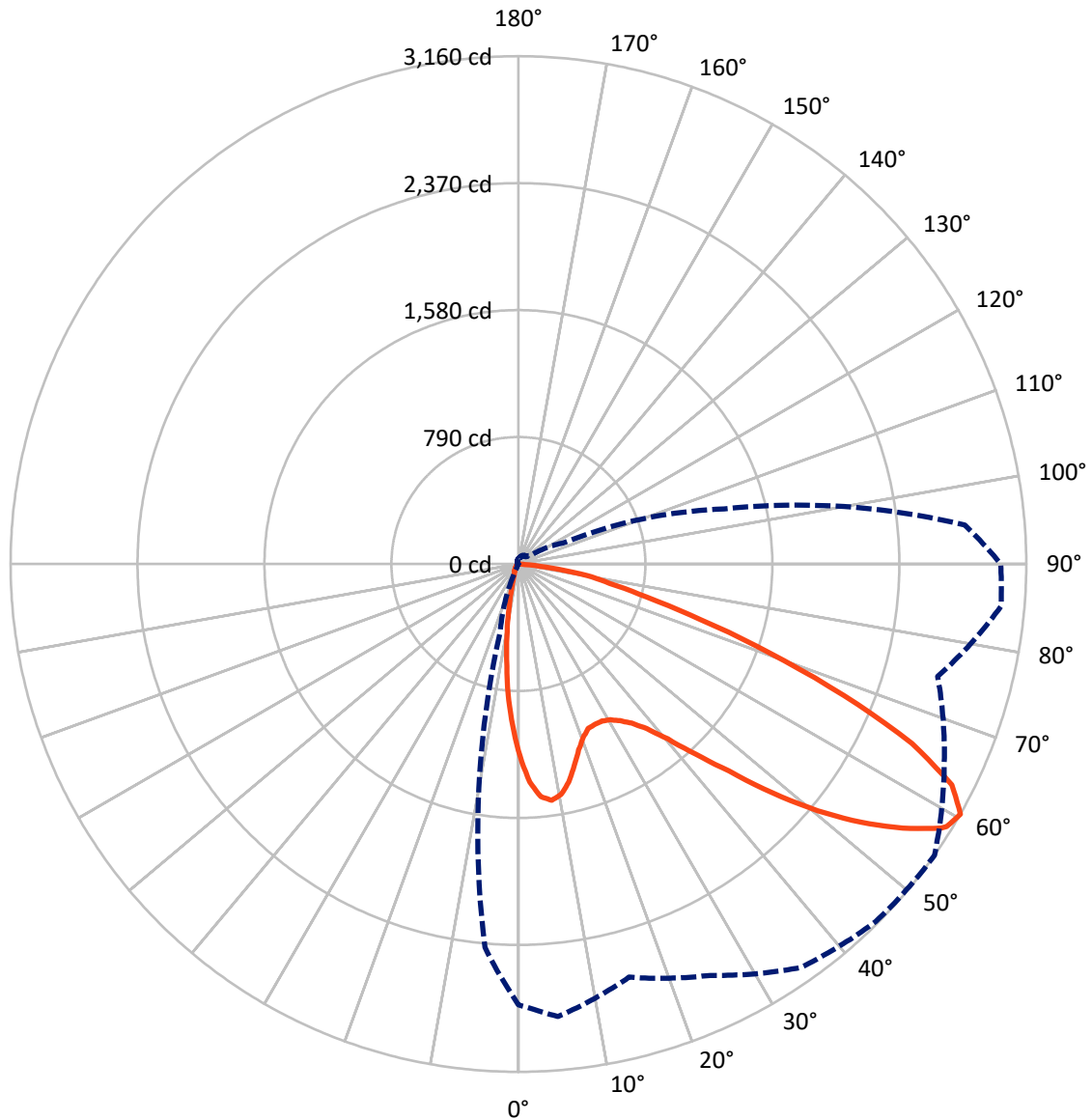
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 600.7 | 0.0 | 600.7 |
| | % Fixture | 17.7 | 0.0 | 17.7 |
| Street Side | Lumens | 2791.3 | 0.0 | 2791.3 |
| | % Fixture | 82.3 | 0.0 | 82.3 |
| Total | Lumens | 3392.0 | 0.0 | 3392.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 90.1 | 2.7 |
| 10°-20° | 171.4 | 5.1 |
| 20°-30° | 244.6 | 7.2 |
| 30°-40° | 358.7 | 10.6 |
| 40°-50° | 528.9 | 15.6 |
| 50°-60° | 783.6 | 23.1 |
| 60°-70° | 835.0 | 24.6 |
| 70°-80° | 346.4 | 10.2 |
| 80°-90° | 33.3 | 1.0 |
| 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° | 3392.0 | 100.0 |
| 0°-180° | 3392.0 | 100.0 |



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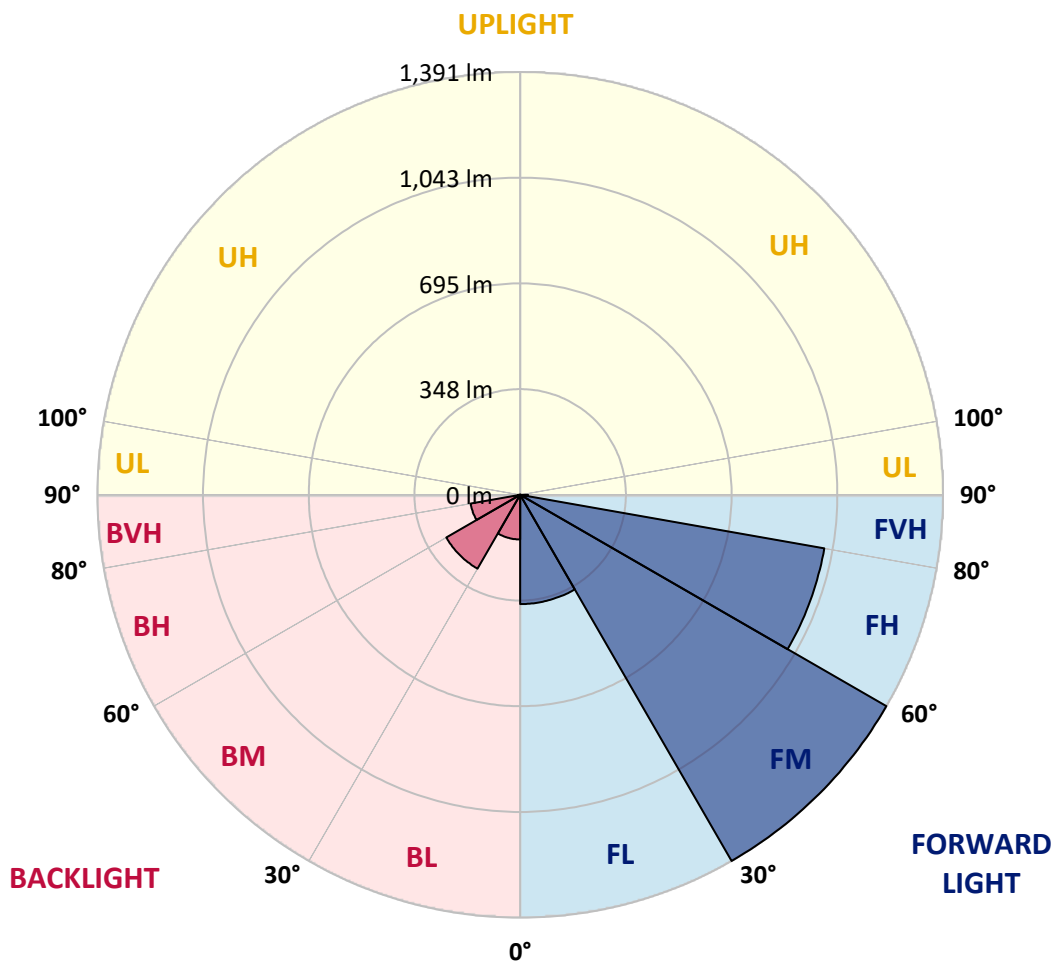
CATALOG NUMBER: ENC-SA1C-740-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 359.3 | 10.6 | | | |
| FM | (30°-60°) | 1390.8 | 41.0 | | | |
| FH | (60°-80°) | 1015.8 | 29.9 | | | G1/1800 |
| FVH | (80°-90°) | 25.5 | 0.8 | | | G1/100 |
| BL | (0°-30°) | 146.9 | 4.3 | B1/500 | | |
| BM | (30°-60°) | 280.4 | 8.3 | B1/1000 | | |
| BH | (60°-80°) | 165.6 | 4.9 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 7.8 | 0.2 | | | G0/10 |
| 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 Short





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CATALOG NUMBER: ENC-SA1C-740-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 |
| 2.5° | 1251.1 | 1249.2 | 1267.2 | 1304.4 | 1327.4 | 1341.5 | 1344.1 | 1358.9 | 1344.1 | 1336.4 | 1308.8 |
| 5° | 1214.6 | 1213.9 | 1248.6 | 1330.0 | 1396.7 | 1446.7 | 1471.1 | 1454.4 | 1428.8 | 1378.1 | 1316.5 |
| 7.5° | 1113.3 | 1113.3 | 1178.7 | 1287.7 | 1399.3 | 1485.8 | 1515.3 | 1484.6 | 1423.6 | 1321.7 | 1211.4 |
| 10° | 1030.5 | 1038.2 | 1101.1 | 1231.2 | 1355.0 | 1449.9 | 1482.6 | 1458.9 | 1379.4 | 1247.3 | 1117.7 |
| 12.5° | 981.1 | 985.6 | 1055.5 | 1186.4 | 1301.8 | 1378.7 | 1398.6 | 1391.6 | 1333.9 | 1190.2 | 1053.0 |
| 15° | 985.6 | 992.1 | 1072.2 | 1179.3 | 1254.3 | 1285.1 | 1292.2 | 1301.1 | 1277.4 | 1167.1 | 1031.8 |
| 17.5° | 1056.2 | 1060.7 | 1141.5 | 1210.7 | 1207.5 | 1197.9 | 1200.5 | 1215.2 | 1243.4 | 1186.4 | 1074.8 |
| 20° | 1169.0 | 1180.6 | 1262.0 | 1263.3 | 1183.2 | 1138.3 | 1126.7 | 1151.1 | 1227.4 | 1237.0 | 1166.5 |
| 22.5° | 1314.0 | 1318.5 | 1401.2 | 1351.8 | 1185.7 | 1097.2 | 1083.8 | 1111.3 | 1232.5 | 1319.1 | 1293.5 |
| 25° | 1482.0 | 1498.0 | 1542.9 | 1466.6 | 1222.9 | 1091.4 | 1082.5 | 1105.6 | 1251.1 | 1406.3 | 1424.3 |
| 27.5° | 1595.5 | 1608.3 | 1651.3 | 1544.8 | 1256.3 | 1094.7 | 1078.0 | 1106.2 | 1273.6 | 1488.4 | 1564.1 |
| 30° | 1696.8 | 1705.8 | 1721.8 | 1585.9 | 1294.1 | 1110.7 | 1083.8 | 1124.2 | 1285.8 | 1505.7 | 1654.5 |
| 32.5° | 1792.4 | 1803.3 | 1793.6 | 1635.2 | 1335.8 | 1140.8 | 1094.7 | 1162.0 | 1312.0 | 1540.3 | 1733.4 |
| 35° | 1915.5 | 1916.1 | 1883.4 | 1684.6 | 1383.2 | 1176.7 | 1126.7 | 1215.9 | 1363.3 | 1594.2 | 1818.0 |
| 37.5° | 2061.7 | 2063.0 | 1980.3 | 1735.3 | 1437.1 | 1237.0 | 1202.4 | 1299.2 | 1437.7 | 1656.4 | 1939.2 |
| 40° | 2189.3 | 2194.4 | 2084.8 | 1793.6 | 1503.1 | 1354.4 | 1351.2 | 1431.3 | 1533.3 | 1739.1 | 2069.4 |
| 42.5° | 2300.3 | 2315.0 | 2181.0 | 1842.4 | 1596.8 | 1534.6 | 1542.3 | 1615.4 | 1649.4 | 1808.4 | 2150.2 |
| 45° | 2412.5 | 2411.8 | 2259.9 | 1891.1 | 1753.2 | 1766.7 | 1839.8 | 1836.6 | 1780.8 | 1845.6 | 2213.7 |
| 47.5° | 2482.4 | 2479.2 | 2307.9 | 1970.6 | 1964.2 | 2093.1 | 2170.7 | 2128.4 | 1926.4 | 1885.3 | 2293.2 |
| 50° | 2509.3 | 2508.0 | 2345.8 | 2072.0 | 2179.1 | 2388.7 | 2499.7 | 2415.0 | 2104.7 | 1952.0 | 2388.1 |
| 52.5° | 2585.6 | 2579.2 | 2433.0 | 2187.4 | 2373.4 | 2673.5 | 2765.2 | 2670.9 | 2282.3 | 2072.0 | 2498.4 |
| 55° | 2704.9 | 2706.8 | 2583.1 | 2322.7 | 2529.2 | 2874.2 | 2986.4 | 2902.4 | 2463.8 | 2236.8 | 2649.7 |
| 57.5° | 2785.1 | 2790.8 | 2749.1 | 2473.4 | 2695.9 | 3014.6 | 3123.6 | 3099.9 | 2705.5 | 2433.6 | 2827.4 |
| 58° | 2792.8 | 2797.2 | 2775.4 | 2502.3 | 2720.9 | 3030.7 | 3142.2 | 3125.6 | 2758.8 | 2496.5 | 2869.7 |
| 60° | 2743.4 | 2756.8 | 2826.7 | 2661.3 | 2824.2 | 3064.7 | 3145.5 | 3160.2 | 2923.6 | 2700.4 | 3014.6 |
| 62.5° | 2609.3 | 2613.8 | 2740.8 | 2839.6 | 2894.7 | 2980.6 | 2988.3 | 3026.8 | 2991.5 | 2939.6 | 3144.2 |
| 65° | 2445.2 | 2445.2 | 2582.4 | 2847.9 | 2711.9 | 2697.8 | 2653.0 | 2691.4 | 2793.4 | 3089.7 | 3135.2 |
| 67.5° | 2159.8 | 2161.7 | 2336.8 | 2536.9 | 2248.3 | 2199.6 | 2170.7 | 2184.8 | 2402.2 | 2964.6 | 2960.8 |
| 70° | 1745.5 | 1744.3 | 1924.5 | 2054.0 | 1668.6 | 1626.9 | 1661.5 | 1657.1 | 1951.4 | 2634.4 | 2585.0 |
| 72.5° | 1234.5 | 1245.4 | 1430.7 | 1586.5 | 1133.1 | 976.7 | 1129.3 | 1188.3 | 1467.9 | 2220.7 | 2000.1 |
| 75° | 695.1 | 709.9 | 861.2 | 1102.4 | 715.0 | 660.5 | 738.7 | 822.8 | 1061.3 | 1768.0 | 1343.5 |
| 77.5° | 348.9 | 354.6 | 441.2 | 530.3 | 433.5 | 503.4 | 498.9 | 579.1 | 727.8 | 1192.8 | 768.2 |
| 80° | 201.4 | 212.9 | 242.4 | 273.8 | 242.4 | 319.4 | 370.7 | 436.1 | 448.3 | 616.9 | 428.4 |
| 82.5° | 80.8 | 90.4 | 113.5 | 128.9 | 100.7 | 94.9 | 64.8 | 203.9 | 270.0 | 298.2 | 164.2 |
| 85° | 0.0 | 0.0 | 0.6 | 1.3 | 1.9 | 1.9 | 3.2 | 35.9 | 66.1 | 14.7 | 26.9 |
| 87.5° | 0.0 | 0.0 | 0.6 | 0.6 | 1.3 | 1.9 | 2.6 | 4.5 | 5.8 | 7.1 | 24.4 |
| 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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CATALOG NUMBER: ENC-SA1C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 |
| 2.5° | 1298.6 | 1291.5 | 1267.8 | 1231.9 | 1209.4 | 1174.8 | 1160.7 | 1128.0 | 1111.3 | 1083.8 | 1083.8 |
| 5° | 1285.8 | 1256.9 | 1197.3 | 1119.7 | 1064.5 | 1006.8 | 988.2 | 949.7 | 922.2 | 889.4 | 876.0 |
| 7.5° | 1169.0 | 1128.6 | 1035.7 | 945.2 | 857.4 | 799.0 | 741.3 | 702.2 | 665.0 | 638.1 | 641.9 |
| 10° | 1062.0 | 1004.2 | 902.3 | 787.5 | 696.4 | 635.5 | 583.6 | 538.0 | 499.6 | 461.7 | 455.9 |
| 12.5° | 992.1 | 926.0 | 804.2 | 681.0 | 613.1 | 568.2 | 520.1 | 470.1 | 422.6 | 380.9 | 364.2 |
| 15° | 962.6 | 890.7 | 754.8 | 638.7 | 576.5 | 518.8 | 463.0 | 401.4 | 346.9 | 296.9 | 283.4 |
| 17.5° | 994.6 | 908.7 | 750.3 | 610.5 | 523.9 | 451.5 | 373.9 | 306.5 | 242.4 | 206.5 | 195.6 |
| 20° | 1081.8 | 970.2 | 765.0 | 582.3 | 465.6 | 371.9 | 277.0 | 200.7 | 164.8 | 143.0 | 136.0 |
| 22.5° | 1208.2 | 1072.2 | 790.1 | 554.7 | 406.6 | 277.0 | 191.1 | 144.9 | 123.8 | 112.2 | 109.0 |
| 25° | 1345.4 | 1203.7 | 836.2 | 531.6 | 347.6 | 205.8 | 141.7 | 118.6 | 105.8 | 97.5 | 94.3 |
| 27.5° | 1499.9 | 1333.9 | 892.7 | 514.3 | 293.1 | 164.8 | 121.8 | 104.5 | 94.3 | 88.5 | 85.9 |
| 30° | 1596.8 | 1427.5 | 935.6 | 483.5 | 255.9 | 150.1 | 116.1 | 98.8 | 87.9 | 83.4 | 81.4 |
| 32.5° | 1685.9 | 1501.2 | 976.7 | 448.3 | 227.7 | 132.7 | 112.9 | 103.9 | 91.1 | 82.1 | 78.2 |
| 35° | 1784.0 | 1576.9 | 996.5 | 427.1 | 209.1 | 115.4 | 93.0 | 80.8 | 73.7 | 72.5 | 70.5 |
| 37.5° | 1930.2 | 1666.7 | 1009.4 | 415.5 | 197.5 | 105.2 | 86.6 | 73.1 | 64.8 | 57.1 | 53.9 |
| 40° | 2068.8 | 1759.7 | 1015.8 | 404.6 | 191.7 | 98.8 | 82.7 | 69.3 | 60.3 | 53.2 | 50.0 |
| 42.5° | 2177.1 | 1844.3 | 1019.6 | 396.9 | 181.5 | 94.9 | 79.5 | 66.7 | 57.1 | 50.0 | 46.8 |
| 45° | 2265.6 | 1942.4 | 1016.4 | 394.4 | 173.1 | 97.5 | 78.2 | 64.8 | 54.5 | 47.5 | 44.2 |
| 47.5° | 2352.2 | 2048.9 | 1028.6 | 391.2 | 164.8 | 93.6 | 78.9 | 64.1 | 52.6 | 45.5 | 42.3 |
| 50° | 2465.7 | 2177.8 | 1072.9 | 382.2 | 159.0 | 87.9 | 85.3 | 64.8 | 51.9 | 44.2 | 41.7 |
| 52.5° | 2612.6 | 2356.0 | 1153.0 | 372.6 | 152.0 | 82.7 | 89.1 | 64.8 | 50.7 | 43.0 | 39.8 |
| 55° | 2790.8 | 2556.1 | 1241.5 | 358.5 | 139.8 | 76.3 | 85.3 | 64.8 | 49.4 | 42.3 | 38.5 |
| 57.5° | 2936.4 | 2734.4 | 1311.4 | 341.8 | 117.4 | 68.6 | 78.2 | 62.2 | 46.2 | 39.8 | 36.6 |
| 58° | 2949.2 | 2754.9 | 1321.0 | 337.3 | 114.8 | 67.3 | 76.3 | 61.6 | 44.9 | 39.1 | 35.9 |
| 60° | 3001.2 | 2788.3 | 1324.9 | 312.9 | 95.5 | 64.1 | 66.1 | 59.6 | 42.3 | 36.6 | 34.0 |
| 62.5° | 2983.2 | 2678.0 | 1243.4 | 270.0 | 85.3 | 58.4 | 55.1 | 60.9 | 39.1 | 33.3 | 30.8 |
| 65° | 2894.1 | 2461.2 | 1089.5 | 241.8 | 85.9 | 51.9 | 47.5 | 53.2 | 35.9 | 30.1 | 27.6 |
| 67.5° | 2681.8 | 2132.2 | 885.0 | 226.4 | 89.8 | 46.2 | 41.0 | 39.8 | 32.1 | 26.9 | 25.0 |
| 70° | 2287.4 | 1747.5 | 670.8 | 212.9 | 94.9 | 41.0 | 37.8 | 35.3 | 29.5 | 25.0 | 22.4 |
| 72.5° | 1684.6 | 1294.1 | 488.0 | 199.4 | 92.3 | 36.6 | 35.3 | 32.1 | 26.9 | 22.4 | 21.2 |
| 75° | 1051.0 | 751.6 | 334.1 | 162.9 | 82.7 | 32.1 | 32.7 | 30.1 | 24.4 | 21.2 | 19.2 |
| 77.5° | 613.7 | 527.8 | 164.8 | 121.2 | 57.1 | 28.2 | 28.9 | 27.6 | 25.0 | 19.9 | 18.6 |
| 80° | 367.5 | 328.3 | 70.5 | 51.9 | 31.4 | 25.0 | 24.4 | 25.7 | 23.7 | 18.6 | 17.3 |
| 82.5° | 159.0 | 142.4 | 34.0 | 28.9 | 25.7 | 21.8 | 21.2 | 21.8 | 20.5 | 15.4 | 14.7 |
| 85° | 9.0 | 23.7 | 16.0 | 21.2 | 19.2 | 16.0 | 16.0 | 16.7 | 14.7 | 12.2 | 12.2 |
| 87.5° | 8.3 | 18.0 | 10.3 | 12.8 | 14.1 | 12.2 | 12.8 | 12.8 | 12.2 | 10.9 | 10.3 |
| 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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CATALOG NUMBER: ENC-SA1C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 |
| 2.5° | 1069.0 | 1062.0 | 1040.8 | 1033.1 | 999.7 | 1008.1 | 1010.6 | 1007.4 | 1008.7 | 1011.3 | 1020.9 |
| 5° | 885.6 | 874.1 | 846.5 | 828.5 | 818.9 | 812.5 | 782.4 | 783.0 | 787.5 | 770.2 | 792.6 |
| 7.5° | 629.1 | 641.9 | 644.5 | 627.8 | 617.5 | 595.7 | 568.2 | 552.8 | 526.5 | 541.2 | 544.4 |
| 10° | 450.2 | 443.8 | 455.9 | 450.2 | 434.1 | 425.8 | 396.3 | 393.7 | 391.2 | 389.3 | 407.9 |
| 12.5° | 343.1 | 323.8 | 309.7 | 312.9 | 300.8 | 280.2 | 275.1 | 275.7 | 278.3 | 278.3 | 283.4 |
| 15° | 271.9 | 242.4 | 220.0 | 206.5 | 208.4 | 187.9 | 182.1 | 162.9 | 160.3 | 154.5 | 155.8 |
| 17.5° | 190.5 | 178.3 | 164.8 | 149.4 | 143.0 | 124.4 | 102.0 | 91.7 | 84.0 | 85.3 | 89.1 |
| 20° | 131.5 | 126.3 | 122.5 | 114.8 | 108.4 | 86.6 | 72.5 | 68.0 | 67.3 | 68.6 | 69.9 |
| 22.5° | 105.8 | 100.7 | 96.8 | 94.3 | 85.9 | 69.9 | 62.2 | 59.0 | 59.0 | 59.0 | 59.6 |
| 25° | 91.1 | 85.9 | 80.8 | 80.8 | 73.1 | 60.9 | 55.1 | 52.6 | 51.9 | 51.3 | 52.6 |
| 27.5° | 84.6 | 77.6 | 72.5 | 69.3 | 63.5 | 53.9 | 48.7 | 46.2 | 45.5 | 45.5 | 46.2 |
| 30° | 78.2 | 71.2 | 66.1 | 61.6 | 55.1 | 48.1 | 43.0 | 41.0 | 39.8 | 39.8 | 40.4 |
| 32.5° | 74.4 | 67.3 | 60.9 | 55.1 | 48.1 | 42.3 | 37.8 | 35.3 | 34.0 | 34.6 | 35.3 |
| 35° | 66.1 | 60.3 | 54.5 | 48.7 | 42.3 | 37.2 | 32.7 | 30.1 | 29.5 | 29.5 | 30.1 |
| 37.5° | 51.9 | 47.5 | 46.2 | 43.0 | 37.2 | 32.1 | 27.6 | 25.0 | 24.4 | 24.4 | 25.0 |
| 40° | 46.8 | 41.0 | 38.5 | 37.2 | 34.0 | 27.6 | 22.4 | 19.9 | 19.9 | 19.2 | 20.5 |
| 42.5° | 43.0 | 37.2 | 32.7 | 31.4 | 29.5 | 23.7 | 18.0 | 16.0 | 15.4 | 15.4 | 16.0 |
| 45° | 40.4 | 34.0 | 28.2 | 25.0 | 25.0 | 19.2 | 14.7 | 12.2 | 11.5 | 11.5 | 12.2 |
| 47.5° | 39.1 | 32.1 | 25.0 | 20.5 | 19.9 | 16.0 | 11.5 | 9.0 | 8.3 | 8.3 | 8.3 |
| 50° | 37.8 | 29.5 | 22.4 | 17.3 | 15.4 | 13.5 | 9.0 | 7.1 | 6.4 | 6.4 | 6.4 |
| 52.5° | 35.9 | 28.2 | 20.5 | 15.4 | 12.2 | 10.3 | 7.1 | 5.1 | 4.5 | 3.8 | 4.5 |
| 55° | 34.6 | 26.3 | 19.9 | 14.1 | 10.3 | 7.7 | 5.1 | 3.8 | 3.2 | 3.2 | 3.2 |
| 57.5° | 32.7 | 24.4 | 18.0 | 13.5 | 9.6 | 5.8 | 3.8 | 2.6 | 1.9 | 1.9 | 2.6 |
| 58° | 32.1 | 24.4 | 17.3 | 12.8 | 9.0 | 5.8 | 3.8 | 2.6 | 1.9 | 1.9 | 2.6 |
| 60° | 30.1 | 22.4 | 16.7 | 11.5 | 8.3 | 5.1 | 3.2 | 1.9 | 1.3 | 1.3 | 1.9 |
| 62.5° | 28.2 | 20.5 | 14.7 | 10.3 | 7.1 | 4.5 | 2.6 | 1.3 | 0.6 | 0.6 | 0.6 |
| 65° | 25.0 | 18.6 | 12.8 | 9.6 | 5.8 | 3.2 | 1.9 | 0.6 | 0.0 | 0.0 | 0.0 |
| 67.5° | 22.4 | 17.3 | 11.5 | 8.3 | 5.1 | 2.6 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 20.5 | 16.0 | 10.3 | 7.1 | 4.5 | 1.9 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 19.2 | 14.7 | 9.6 | 6.4 | 3.2 | 1.9 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 18.6 | 14.1 | 9.6 | 5.8 | 3.2 | 1.9 | 1.3 | 0.6 | 0.0 | 0.0 | 0.6 |
| 77.5° | 18.0 | 14.1 | 9.6 | 5.8 | 3.8 | 1.9 | 1.9 | 1.3 | 1.3 | 0.6 | 1.9 |
| 80° | 16.7 | 12.8 | 8.3 | 5.1 | 3.2 | 2.6 | 1.9 | 1.3 | 0.0 | 0.0 | 0.0 |
| 82.5° | 14.1 | 10.3 | 7.1 | 5.1 | 3.2 | 1.9 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 11.5 | 8.3 | 5.8 | 3.2 | 1.9 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 10.3 | 6.4 | 4.5 | 2.6 | 1.3 | 0.6 | 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 | 0.0 |



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| 0° | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 | 1197.9 |
| 2.5° | 1029.2 | 1058.7 | 1070.9 | 1112.0 | 1129.9 | 1167.1 | 1199.2 | 1226.8 | 1240.2 | 1251.1 |
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| 12.5° | 325.1 | 391.2 | 455.3 | 518.8 | 572.7 | 651.5 | 762.5 | 901.6 | 955.5 | 981.1 |
| 15° | 195.6 | 270.0 | 348.9 | 434.1 | 509.2 | 601.5 | 726.6 | 888.8 | 956.8 | 985.6 |
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| 20° | 72.5 | 82.1 | 109.7 | 208.4 | 370.0 | 525.2 | 733.6 | 1013.9 | 1137.6 | 1169.0 |
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| 27.5° | 48.1 | 53.2 | 59.6 | 70.5 | 127.0 | 384.1 | 840.1 | 1389.6 | 1548.0 | 1595.5 |
| 30° | 42.3 | 46.2 | 52.6 | 60.3 | 93.6 | 296.9 | 867.0 | 1498.7 | 1659.6 | 1696.8 |
| 32.5° | 37.2 | 40.4 | 45.5 | 51.3 | 71.2 | 225.1 | 868.3 | 1592.3 | 1757.1 | 1792.4 |
| 35° | 31.4 | 35.3 | 39.1 | 44.2 | 56.4 | 175.7 | 842.0 | 1685.3 | 1872.5 | 1915.5 |
| 37.5° | 26.3 | 29.5 | 34.0 | 38.5 | 51.3 | 136.0 | 787.5 | 1794.3 | 2013.0 | 2061.7 |
| 40° | 22.4 | 25.7 | 29.5 | 34.6 | 45.5 | 98.8 | 700.3 | 1893.0 | 2144.4 | 2189.3 |
| 42.5° | 18.0 | 21.2 | 25.7 | 34.0 | 37.8 | 71.2 | 612.4 | 1988.0 | 2258.6 | 2300.3 |
| 45° | 14.1 | 18.0 | 23.7 | 32.7 | 31.4 | 50.0 | 536.7 | 2072.0 | 2356.7 | 2412.5 |
| 47.5° | 10.3 | 14.7 | 23.7 | 29.5 | 25.7 | 35.9 | 498.3 | 2152.8 | 2444.5 | 2482.4 |
| 50° | 7.7 | 12.2 | 25.7 | 25.0 | 21.8 | 30.8 | 504.0 | 2242.5 | 2484.9 | 2509.3 |
| 52.5° | 5.8 | 10.3 | 19.9 | 18.0 | 18.6 | 26.9 | 526.5 | 2361.2 | 2568.3 | 2585.6 |
| 55° | 5.1 | 7.7 | 12.2 | 13.5 | 16.7 | 25.7 | 520.7 | 2473.4 | 2674.8 | 2704.9 |
| 57.5° | 4.5 | 6.4 | 9.6 | 10.9 | 14.7 | 24.4 | 488.0 | 2522.8 | 2743.4 | 2785.1 |
| 58° | 3.8 | 6.4 | 9.0 | 10.9 | 14.7 | 23.7 | 479.7 | 2509.3 | 2740.2 | 2792.8 |
| 60° | 3.2 | 5.8 | 8.3 | 9.6 | 12.8 | 21.2 | 439.3 | 2395.2 | 2669.6 | 2743.4 |
| 62.5° | 2.6 | 3.8 | 6.4 | 7.1 | 10.3 | 17.3 | 361.7 | 2210.5 | 2518.3 | 2609.3 |
| 65° | 1.3 | 2.6 | 3.8 | 5.1 | 7.1 | 12.8 | 257.2 | 1991.8 | 2356.0 | 2445.2 |
| 67.5° | 0.0 | 1.3 | 2.6 | 3.2 | 4.5 | 9.6 | 148.1 | 1690.4 | 2089.3 | 2159.8 |
| 70° | 0.0 | 0.6 | 1.3 | 1.9 | 2.6 | 6.4 | 78.2 | 1240.9 | 1618.6 | 1745.5 |
| 72.5° | 0.6 | 0.6 | 0.6 | 0.0 | 1.3 | 5.1 | 34.6 | 736.2 | 1103.6 | 1234.5 |
| 75° | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 | 2.6 | 14.7 | 388.0 | 632.9 | 695.1 |
| 77.5° | 2.6 | 1.3 | 0.0 | 0.0 | 0.0 | 0.6 | 7.1 | 209.1 | 328.3 | 348.9 |
| 80° | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 69.9 | 196.9 | 201.4 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 84.6 | 80.8 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)