

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: P401727

Luminaire Tested: **ENC-SA1E-760-U-SLR-HSS**

Issue Date: 5/20/2020

Test Information

Test Method: LM-79-08
Report Number: P401727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2004-754-10)
Test Lab: INNOVATION CENTER
Issue Date: 5/20/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ENC-SA1E-760-U-SLR-HSS
Description: ENTRI LED LUMINAIRE
(1) 70 CRI, 5700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5289 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 57.2
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

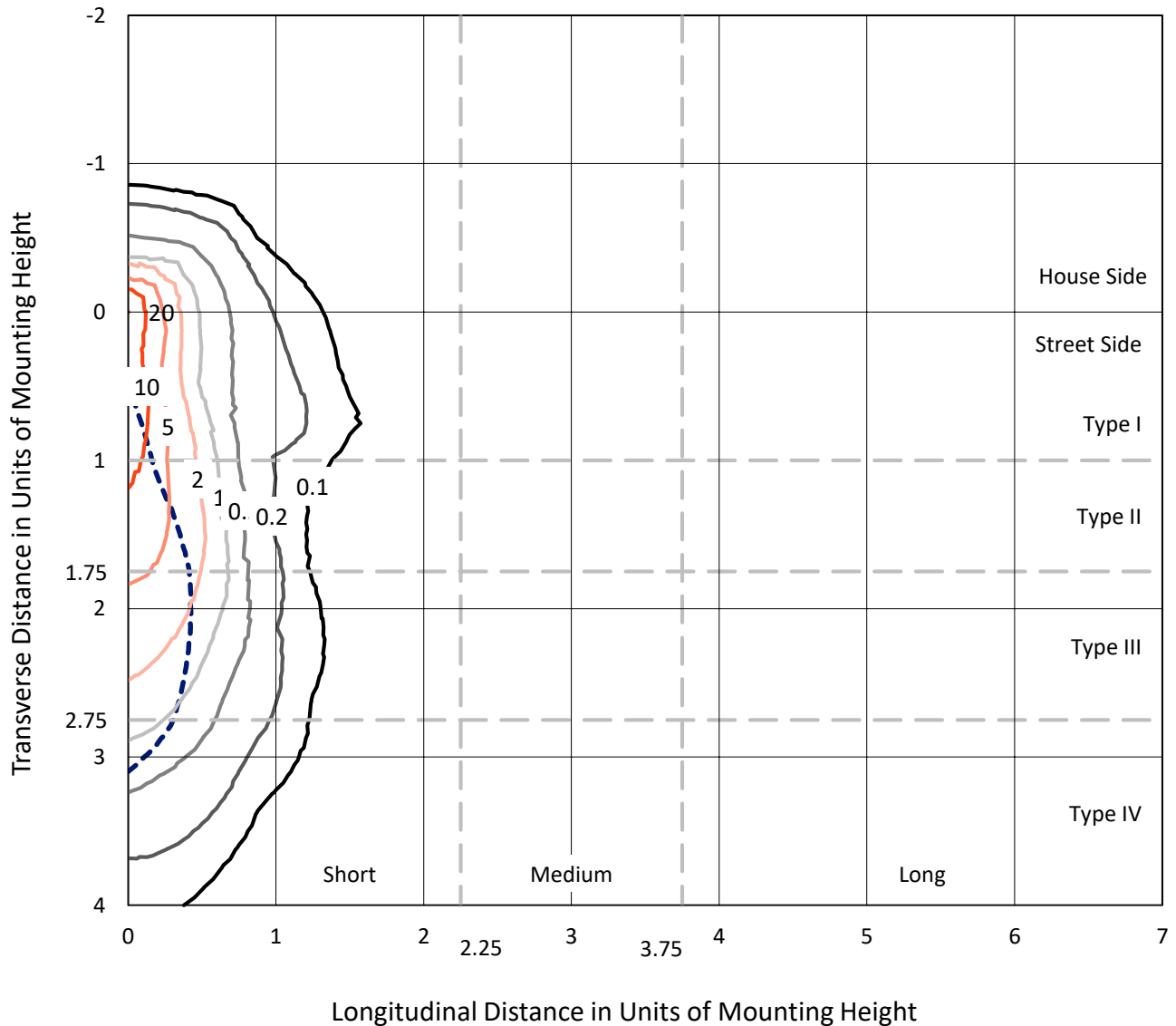


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Iso-Footcandle Lines of Horizontal Illumination

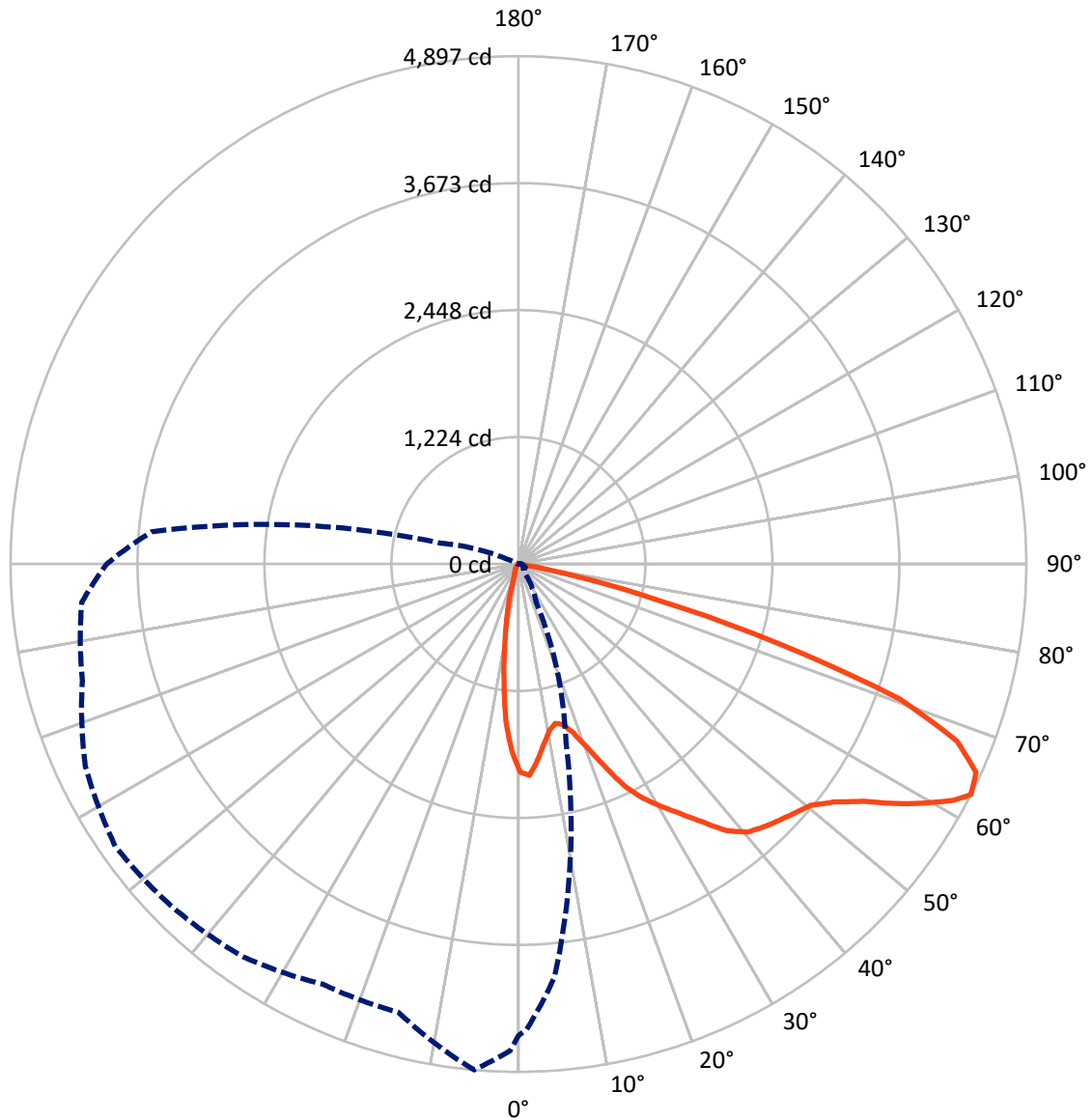
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 355-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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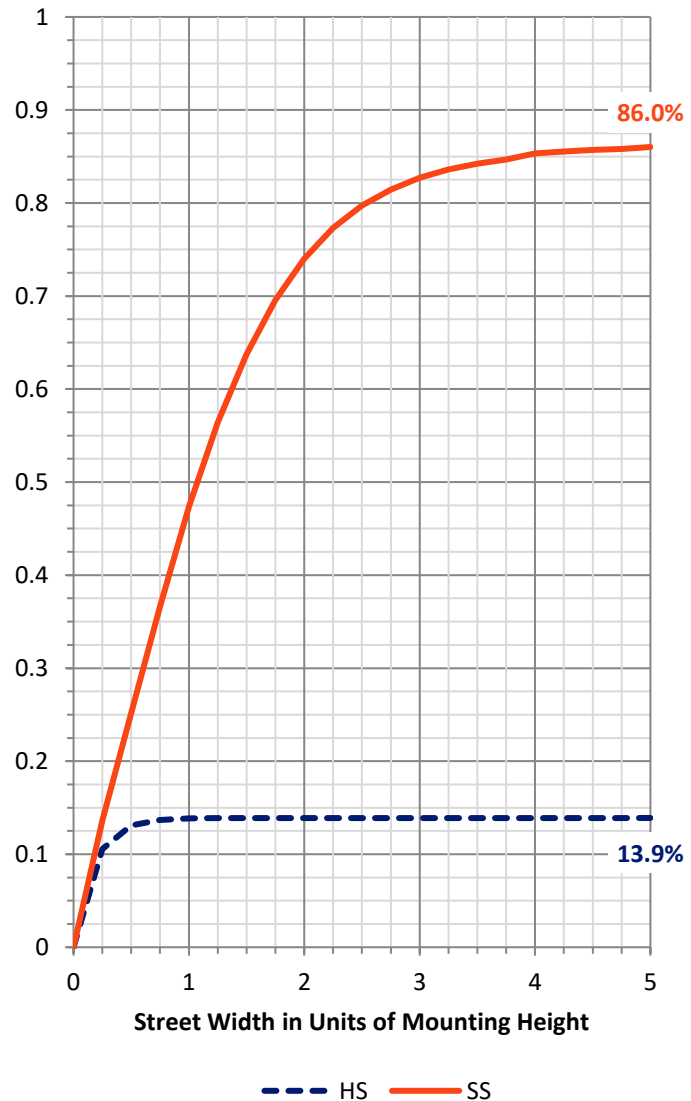
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 744.0 | 0.0 | 744.0 |
| | % Fixture | 14.1 | 0.0 | 14.1 |
| Street Side | Lumens | 4545.0 | 0.0 | 4545.0 |
| | % Fixture | 85.9 | 0.0 | 85.9 |
| Total | Lumens | 5289.0 | 0.0 | 5289.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 150.5 | 2.8 |
| 10°-20° | 286.0 | 5.4 |
| 20°-30° | 397.9 | 7.5 |
| 30°-40° | 575.5 | 10.9 |
| 40°-50° | 825.1 | 15.6 |
| 50°-60° | 1197.1 | 22.6 |
| 60°-70° | 1295.1 | 24.5 |
| 70°-80° | 523.1 | 9.9 |
| 80°-90° | 38.7 | 0.7 |
| 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° | 5289.0 | 100.0 |
| 0°-180° | 5289.0 | 100.0 |

Coefficient of Utilization



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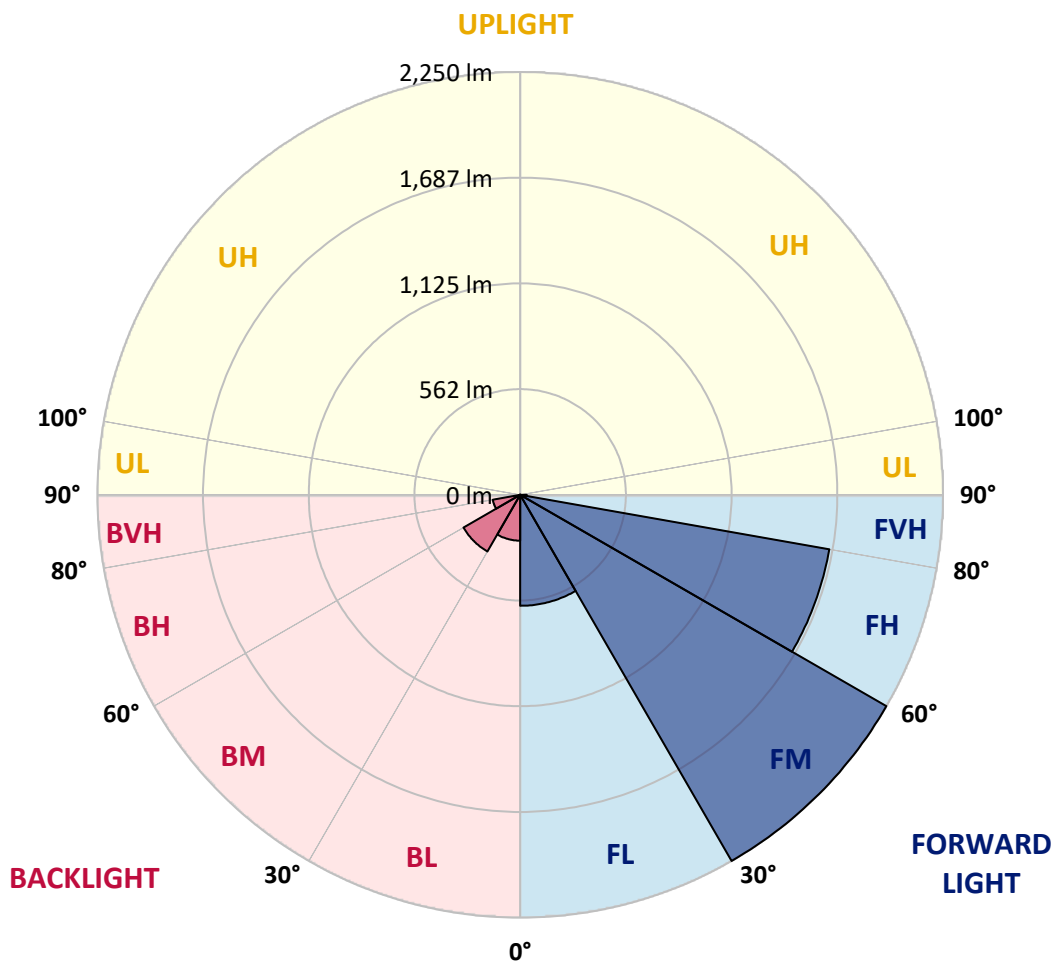
CATALOG NUMBER: ENC-SA1E-760-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 590.4 | 11.2 | | | |
| FM | (30°-60°) | 2249.6 | 42.5 | | | |
| FH | (60°-80°) | 1670.3 | 31.6 | | | G1/1800 |
| FVH | (80°-90°) | 34.8 | 0.7 | | | G1/100 |
| BL | (0°-30°) | 243.9 | 4.6 | B1/500 | | |
| BM | (30°-60°) | 348.1 | 6.6 | B1/1000 | | |
| BH | (60°-80°) | 148.0 | 2.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 3.9 | 0.1 | | | 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 IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 |
| 2.5° | 2014.6 | 2006.2 | 1987.4 | 1946.6 | 1888.0 | 1850.3 | 1826.2 | 1794.8 | 1762.4 | 1751.9 | 1731.0 |
| 5° | 1838.8 | 1825.2 | 1799.0 | 1696.5 | 1604.4 | 1512.3 | 1446.3 | 1383.5 | 1362.6 | 1320.7 | 1345.9 |
| 7.5° | 1669.2 | 1663.0 | 1602.3 | 1469.4 | 1322.8 | 1204.6 | 1129.2 | 1037.1 | 1009.9 | 967.0 | 932.5 |
| 10° | 1536.3 | 1531.1 | 1457.8 | 1284.1 | 1126.1 | 1027.7 | 968.1 | 908.4 | 848.7 | 788.0 | 739.9 |
| 12.5° | 1469.4 | 1457.8 | 1373.1 | 1185.7 | 1039.2 | 957.6 | 894.8 | 815.3 | 751.4 | 669.8 | 611.2 |
| 15° | 1479.8 | 1469.4 | 1372.0 | 1170.0 | 997.4 | 884.3 | 791.2 | 697.0 | 607.0 | 526.4 | 468.9 |
| 17.5° | 1563.5 | 1559.4 | 1441.1 | 1183.6 | 947.1 | 797.5 | 672.9 | 546.3 | 439.5 | 352.7 | 303.5 |
| 20° | 1726.8 | 1714.2 | 1542.6 | 1212.9 | 894.8 | 697.0 | 526.4 | 370.5 | 281.5 | 221.9 | 200.9 |
| 22.5° | 1928.8 | 1900.5 | 1702.7 | 1255.9 | 844.6 | 589.2 | 380.9 | 249.1 | 200.9 | 177.9 | 163.3 |
| 25° | 2166.3 | 2167.4 | 1901.6 | 1313.4 | 794.3 | 488.7 | 266.9 | 197.8 | 169.5 | 152.8 | 140.2 |
| 27.5° | 2358.9 | 2344.3 | 2080.5 | 1371.0 | 739.9 | 400.8 | 224.0 | 172.7 | 148.6 | 130.8 | 123.5 |
| 30° | 2501.2 | 2479.3 | 2198.8 | 1410.7 | 669.8 | 339.1 | 200.9 | 164.3 | 140.2 | 120.4 | 110.9 |
| 32.5° | 2647.8 | 2620.6 | 2305.5 | 1432.7 | 627.9 | 309.8 | 177.9 | 143.4 | 125.6 | 117.2 | 104.7 |
| 35° | 2819.4 | 2795.3 | 2423.8 | 1430.6 | 605.9 | 293.0 | 161.2 | 129.8 | 106.7 | 93.1 | 84.8 |
| 37.5° | 3010.9 | 2961.7 | 2546.2 | 1421.2 | 590.3 | 284.7 | 146.5 | 120.4 | 99.4 | 84.8 | 74.3 |
| 40° | 3175.2 | 3126.0 | 2659.3 | 1408.7 | 579.8 | 276.3 | 138.1 | 114.1 | 94.2 | 78.5 | 68.0 |
| 42.5° | 3303.9 | 3256.9 | 2765.0 | 1393.0 | 574.6 | 258.5 | 142.3 | 109.9 | 90.0 | 74.3 | 62.8 |
| 45° | 3414.9 | 3366.7 | 2890.6 | 1390.9 | 572.5 | 245.9 | 140.2 | 108.8 | 87.9 | 69.1 | 58.6 |
| 47.5° | 3543.6 | 3518.5 | 3055.9 | 1425.4 | 564.1 | 236.5 | 128.7 | 117.2 | 86.9 | 67.0 | 55.5 |
| 50° | 3734.1 | 3712.1 | 3272.5 | 1528.0 | 551.5 | 227.1 | 117.2 | 128.7 | 86.9 | 64.9 | 52.3 |
| 52.5° | 4000.9 | 3975.8 | 3613.7 | 1661.9 | 540.0 | 216.6 | 105.7 | 124.5 | 87.9 | 61.7 | 50.2 |
| 55° | 4277.2 | 4273.0 | 3936.1 | 1804.2 | 529.6 | 193.6 | 93.1 | 112.0 | 85.8 | 57.6 | 47.1 |
| 57.5° | 4493.9 | 4490.7 | 4177.8 | 1900.5 | 509.7 | 155.9 | 84.8 | 93.1 | 79.5 | 52.3 | 42.9 |
| 60° | 4582.8 | 4556.7 | 4204.0 | 1900.5 | 463.6 | 128.7 | 77.4 | 73.3 | 80.6 | 47.1 | 37.7 |
| 61° | 4582.8 | 4549.3 | 4156.9 | 1872.3 | 440.6 | 122.4 | 73.3 | 68.0 | 82.7 | 45.0 | 35.6 |
| 62.5° | 4547.2 | 4491.8 | 3995.7 | 1770.8 | 404.0 | 122.4 | 67.0 | 60.7 | 75.4 | 42.9 | 32.4 |
| 65° | 4389.2 | 4298.2 | 3617.9 | 1539.5 | 366.3 | 125.6 | 57.6 | 51.3 | 54.4 | 36.6 | 28.3 |
| 67.5° | 3998.9 | 3896.3 | 3128.1 | 1218.2 | 335.9 | 132.9 | 48.1 | 45.0 | 41.9 | 32.4 | 25.1 |
| 70° | 3294.5 | 3207.7 | 2552.5 | 912.6 | 311.9 | 135.0 | 41.9 | 37.7 | 35.6 | 28.3 | 22.0 |
| 72.5° | 2105.6 | 1962.3 | 1593.9 | 618.5 | 250.1 | 117.2 | 34.5 | 35.6 | 32.4 | 23.0 | 17.8 |
| 75° | 1017.2 | 1057.0 | 927.2 | 311.9 | 168.5 | 76.4 | 27.2 | 29.3 | 26.2 | 20.9 | 15.7 |
| 77.5° | 455.2 | 446.9 | 442.7 | 79.5 | 42.9 | 26.2 | 16.7 | 19.9 | 20.9 | 18.8 | 13.6 |
| 80° | 47.1 | 63.8 | 37.7 | 24.1 | 15.7 | 11.5 | 9.4 | 10.5 | 12.6 | 13.6 | 7.3 |
| 82.5° | 2.1 | 1.0 | 1.0 | 3.1 | 3.1 | 2.1 | 0.0 | 0.0 | 2.1 | 2.1 | 1.0 |
| 85° | 0.0 | 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 | 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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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 |
| 2.5° | 1712.1 | 1740.4 | 1727.8 | 1724.7 | 1741.5 | 1733.1 | 1758.2 | 1759.2 | 1778.1 | 1803.2 | 1818.9 |
| 5° | 1345.9 | 1323.9 | 1367.8 | 1397.1 | 1433.8 | 1422.3 | 1466.2 | 1461.0 | 1485.0 | 1524.8 | 1509.1 |
| 7.5° | 934.6 | 937.7 | 960.7 | 986.9 | 1085.3 | 1105.2 | 1119.8 | 1131.3 | 1130.3 | 1139.7 | 1156.4 |
| 10° | 714.8 | 697.0 | 681.3 | 717.9 | 756.7 | 799.6 | 805.8 | 821.5 | 778.6 | 796.4 | 804.8 |
| 12.5° | 585.0 | 564.1 | 529.6 | 510.7 | 520.1 | 545.3 | 555.7 | 565.1 | 540.0 | 541.1 | 559.9 |
| 15° | 443.7 | 415.5 | 401.9 | 376.8 | 367.3 | 365.2 | 370.5 | 356.9 | 353.7 | 342.2 | 349.5 |
| 17.5° | 288.8 | 280.5 | 273.1 | 267.9 | 260.6 | 258.5 | 239.7 | 207.2 | 188.4 | 184.2 | 184.2 |
| 20° | 192.6 | 186.3 | 186.3 | 196.8 | 193.6 | 185.2 | 160.1 | 132.9 | 119.3 | 115.1 | 117.2 |
| 22.5° | 158.0 | 153.8 | 147.6 | 147.6 | 151.7 | 145.5 | 122.4 | 102.6 | 93.1 | 93.1 | 93.1 |
| 25° | 137.1 | 135.0 | 128.7 | 122.4 | 124.5 | 119.3 | 99.4 | 86.9 | 80.6 | 79.5 | 80.6 |
| 27.5° | 120.4 | 119.3 | 112.0 | 105.7 | 105.7 | 101.5 | 85.8 | 74.3 | 70.1 | 68.0 | 69.1 |
| 30° | 108.8 | 106.7 | 98.4 | 93.1 | 92.1 | 87.9 | 73.3 | 64.9 | 60.7 | 59.7 | 59.7 |
| 32.5° | 100.5 | 96.3 | 89.0 | 83.7 | 80.6 | 74.3 | 63.8 | 55.5 | 51.3 | 50.2 | 50.2 |
| 35° | 80.6 | 80.6 | 77.4 | 74.3 | 70.1 | 60.7 | 53.4 | 46.0 | 41.9 | 40.8 | 40.8 |
| 37.5° | 70.1 | 65.9 | 60.7 | 61.7 | 59.7 | 51.3 | 44.0 | 36.6 | 33.5 | 32.4 | 32.4 |
| 40° | 63.8 | 58.6 | 51.3 | 48.1 | 49.2 | 45.0 | 36.6 | 28.3 | 24.1 | 25.1 | 24.1 |
| 42.5° | 57.6 | 53.4 | 45.0 | 37.7 | 36.6 | 37.7 | 28.3 | 19.9 | 16.7 | 16.7 | 16.7 |
| 45° | 53.4 | 49.2 | 39.8 | 31.4 | 26.2 | 29.3 | 22.0 | 13.6 | 10.5 | 10.5 | 10.5 |
| 47.5° | 50.2 | 46.0 | 35.6 | 26.2 | 18.8 | 19.9 | 15.7 | 8.4 | 6.3 | 4.2 | 5.2 |
| 50° | 48.1 | 42.9 | 32.4 | 20.9 | 13.6 | 11.5 | 10.5 | 4.2 | 1.0 | 1.0 | 0.0 |
| 52.5° | 45.0 | 40.8 | 29.3 | 17.8 | 10.5 | 7.3 | 5.2 | 1.0 | 0.0 | 0.0 | 0.0 |
| 55° | 42.9 | 37.7 | 26.2 | 15.7 | 8.4 | 4.2 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 38.7 | 34.5 | 23.0 | 12.6 | 6.3 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 34.5 | 31.4 | 19.9 | 9.4 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 61° | 32.4 | 29.3 | 18.8 | 8.4 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 30.3 | 27.2 | 16.7 | 6.3 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 26.2 | 23.0 | 14.7 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 23.0 | 20.9 | 12.6 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 19.9 | 17.8 | 9.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 16.7 | 15.7 | 7.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 14.7 | 12.6 | 6.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 11.5 | 10.5 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 6.3 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 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 | 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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CATALOG NUMBER: ENC-SA1E-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 | 2006.2 |
| 2.5° | 1833.5 | 1870.2 | 1904.7 | 1948.7 | 1972.7 | 2038.7 | 2085.8 | 2125.5 | 2156.9 | 2163.2 | 2188.3 |
| 5° | 1551.0 | 1602.3 | 1635.8 | 1727.8 | 1779.1 | 1889.0 | 1973.8 | 2074.3 | 2164.3 | 2213.4 | 2258.4 |
| 7.5° | 1167.9 | 1193.1 | 1250.6 | 1342.7 | 1464.1 | 1559.4 | 1702.7 | 1829.4 | 1991.6 | 2080.5 | 2164.3 |
| 10° | 824.7 | 847.7 | 932.5 | 1028.8 | 1139.7 | 1299.8 | 1473.5 | 1639.9 | 1804.2 | 1918.3 | 2016.7 |
| 12.5° | 579.8 | 655.1 | 738.9 | 861.3 | 970.1 | 1087.4 | 1272.6 | 1467.3 | 1672.4 | 1781.2 | 1888.0 |
| 15° | 380.9 | 447.9 | 564.1 | 717.9 | 854.0 | 968.1 | 1140.7 | 1368.9 | 1629.5 | 1750.9 | 1852.4 |
| 17.5° | 188.4 | 237.6 | 340.1 | 505.5 | 686.5 | 866.5 | 1074.8 | 1351.1 | 1684.9 | 1822.0 | 1917.3 |
| 20° | 118.3 | 132.9 | 170.6 | 285.7 | 494.0 | 759.8 | 1025.6 | 1386.7 | 1835.6 | 1987.4 | 2049.1 |
| 22.5° | 95.2 | 99.4 | 114.1 | 151.7 | 301.4 | 627.9 | 982.7 | 1434.8 | 2001.0 | 2186.2 | 2250.1 |
| 25° | 81.6 | 84.8 | 93.1 | 112.0 | 174.8 | 470.9 | 930.4 | 1519.6 | 2193.6 | 2417.5 | 2433.2 |
| 27.5° | 70.1 | 73.3 | 80.6 | 95.2 | 124.5 | 317.1 | 855.0 | 1619.0 | 2423.8 | 2620.6 | 2610.1 |
| 30° | 59.7 | 63.8 | 71.2 | 81.6 | 98.4 | 214.5 | 714.8 | 1719.5 | 2593.3 | 2751.4 | 2734.6 |
| 32.5° | 51.3 | 54.4 | 60.7 | 70.1 | 81.6 | 147.6 | 536.9 | 1785.4 | 2734.6 | 2874.9 | 2838.2 |
| 35° | 41.9 | 45.0 | 50.2 | 58.6 | 65.9 | 104.7 | 406.1 | 1787.5 | 2880.1 | 3027.7 | 2935.6 |
| 37.5° | 33.5 | 35.6 | 40.8 | 48.1 | 54.4 | 81.6 | 298.3 | 1753.0 | 3060.1 | 3226.5 | 3046.5 |
| 40° | 25.1 | 28.3 | 33.5 | 39.8 | 46.0 | 69.1 | 222.9 | 1669.2 | 3235.9 | 3425.3 | 3180.5 |
| 42.5° | 16.7 | 20.9 | 26.2 | 32.4 | 44.0 | 55.5 | 157.0 | 1530.0 | 3378.2 | 3602.2 | 3311.3 |
| 45° | 10.5 | 13.6 | 19.9 | 27.2 | 45.0 | 44.0 | 104.7 | 1363.6 | 3479.8 | 3737.2 | 3400.2 |
| 47.5° | 5.2 | 8.4 | 14.7 | 26.2 | 39.8 | 32.4 | 64.9 | 1204.6 | 3571.9 | 3815.7 | 3441.0 |
| 50° | 1.0 | 3.1 | 10.5 | 32.4 | 33.5 | 24.1 | 42.9 | 1105.2 | 3620.0 | 3795.8 | 3436.9 |
| 52.5° | 0.0 | 0.0 | 7.3 | 31.4 | 24.1 | 18.8 | 33.5 | 1090.5 | 3695.4 | 3822.0 | 3509.1 |
| 55° | 0.0 | 0.0 | 3.1 | 13.6 | 13.6 | 15.7 | 29.3 | 1070.6 | 3829.3 | 3977.9 | 3726.7 |
| 57.5° | 0.0 | 0.0 | 0.0 | 6.3 | 8.4 | 12.6 | 27.2 | 1018.3 | 3970.6 | 4143.3 | 3991.5 |
| 60° | 0.0 | 0.0 | 0.0 | 3.1 | 5.2 | 10.5 | 24.1 | 899.0 | 3840.8 | 4144.3 | 4211.3 |
| 61° | 0.0 | 0.0 | 0.0 | 3.1 | 4.2 | 9.4 | 22.0 | 857.1 | 3724.7 | 4077.3 | 4238.5 |
| 62.5° | 0.0 | 0.0 | 0.0 | 1.0 | 3.1 | 7.3 | 18.8 | 774.4 | 3550.9 | 3969.5 | 4226.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 4.2 | 14.7 | 625.8 | 3261.0 | 3698.5 | 4081.5 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 9.4 | 440.6 | 2844.5 | 3391.9 | 3772.8 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 255.4 | 2291.9 | 2871.7 | 3231.7 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 116.2 | 1487.1 | 2217.6 | 2549.4 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 49.2 | 915.7 | 1602.3 | 1904.7 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.0 | 620.6 | 1066.4 | 1282.0 |
| 80° | 0.0 | 2.1 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.4 | 382.0 | 665.6 | 723.2 |
| 82.5° | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 197.8 | 469.9 | 479.3 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 82.7 | 99.4 |
| 87.5° | 0.0 | 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 | 0.0 |



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| 30° | 2401.8 | 1963.3 | 1738.3 | 1753.0 | 1882.7 | 2151.7 | 2482.4 | 2711.6 | 2592.3 | 2501.2 |
| 32.5° | 2486.6 | 2032.4 | 1768.7 | 1783.3 | 1939.2 | 2190.4 | 2551.5 | 2868.6 | 2737.8 | 2647.8 |
| 35° | 2569.3 | 2100.4 | 1825.2 | 1851.3 | 2030.3 | 2260.5 | 2621.6 | 3052.8 | 2943.9 | 2819.4 |
| 37.5° | 2640.4 | 2175.8 | 1922.5 | 1978.0 | 2153.8 | 2368.3 | 2716.8 | 3262.1 | 3150.1 | 3010.9 |
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| 61° | 4187.2 | 4544.1 | 4822.5 | 4837.1 | 4771.2 | 4435.3 | 4207.1 | 4772.2 | 4678.1 | 4582.8 |
| 62.5° | 4352.6 | 4607.9 | 4745.0 | 4695.9 | 4624.7 | 4468.8 | 4474.0 | 4896.8 | 4693.8 | 4547.2 |
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| 82.5° | 463.6 | 287.8 | 217.7 | 85.8 | 180.0 | 180.0 | 34.5 | 1.0 | 1.0 | 2.1 |
| 85° | 45.0 | 13.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
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