

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: P401926

Luminaire Tested: **ENT-SA1F-827-U-SLR**

Issue Date: 5/20/2020

Test Information

Test Method: LM-79-08
Report Number: P401926
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2004-754-9)
Test Lab: INNOVATION CENTER
Issue Date: 5/20/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ENT-SA1F-827-U-SLR
Description: ENTRI LED LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5061 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 66.1
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

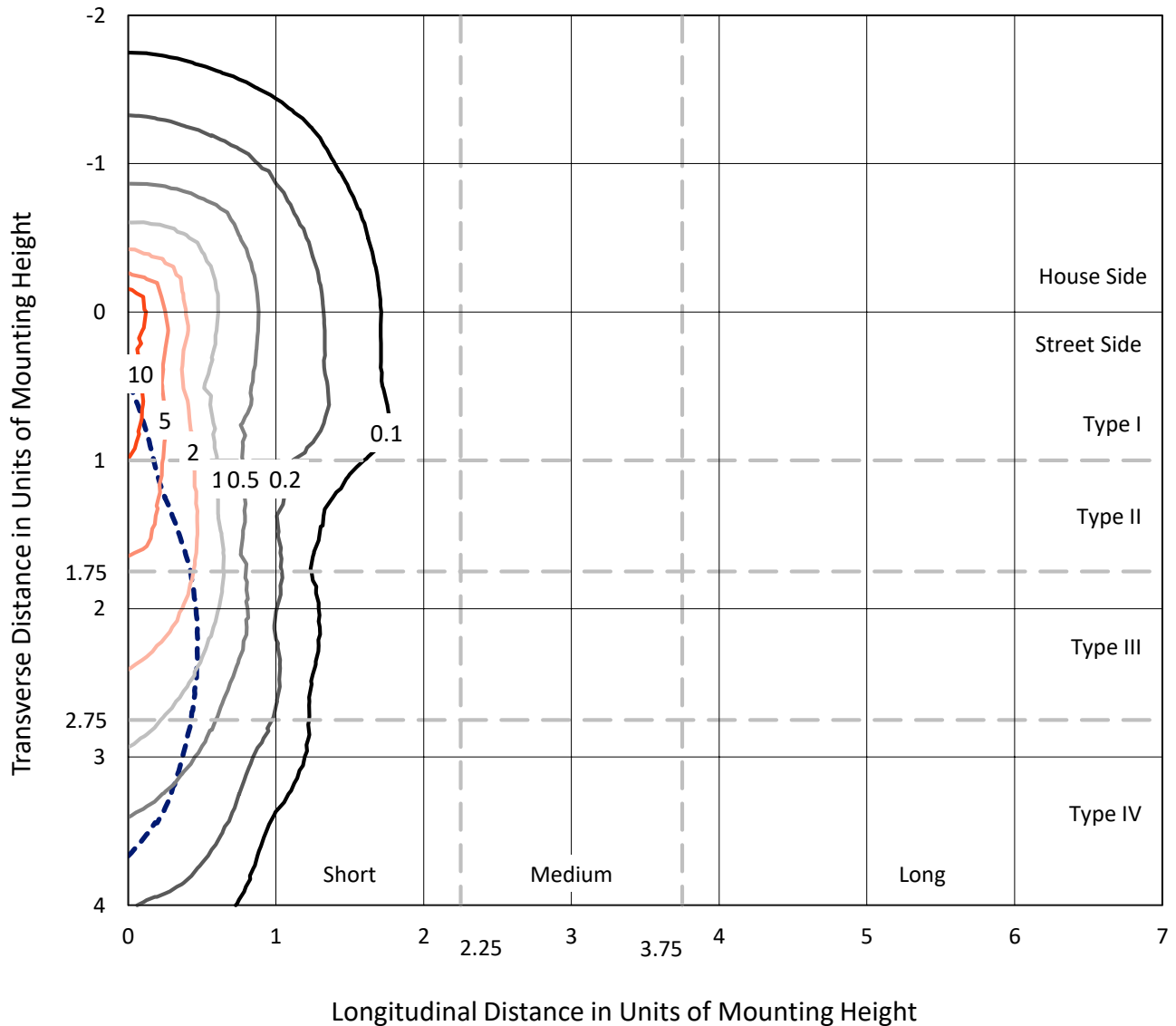


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Iso-Footcandle Lines of Horizontal Illumination

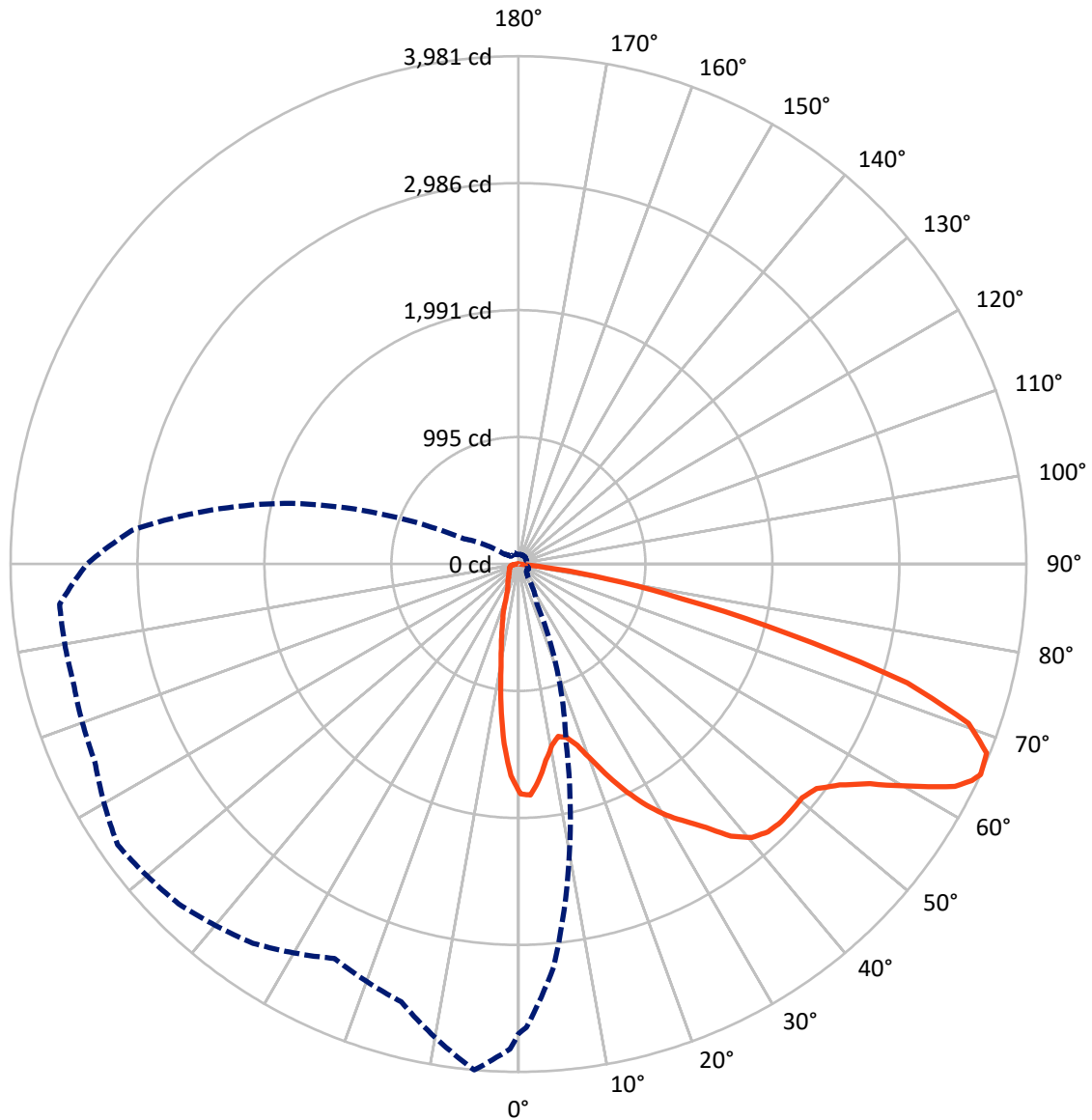
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 355-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1038.4 | 0.0 | 1038.4 |
| | % Fixture | 20.5 | 0.0 | 20.5 |
| Street Side | Lumens | 4022.6 | 0.0 | 4022.6 |
| | % Fixture | 79.5 | 0.0 | 79.5 |
| Total | Lumens | 5061.0 | 0.0 | 5061.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 137.4 | 2.7 |
| 10°-20° | 273.6 | 5.4 |
| 20°-30° | 379.4 | 7.5 |
| 30°-40° | 530.4 | 10.5 |
| 40°-50° | 721.7 | 14.3 |
| 50°-60° | 987.0 | 19.5 |
| 60°-70° | 1206.8 | 23.8 |
| 70°-80° | 728.6 | 14.4 |
| 80°-90° | 96.1 | 1.9 |
| 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° | 5061.0 | 100.0 |
| 0°-180° | 5061.0 | 100.0 |



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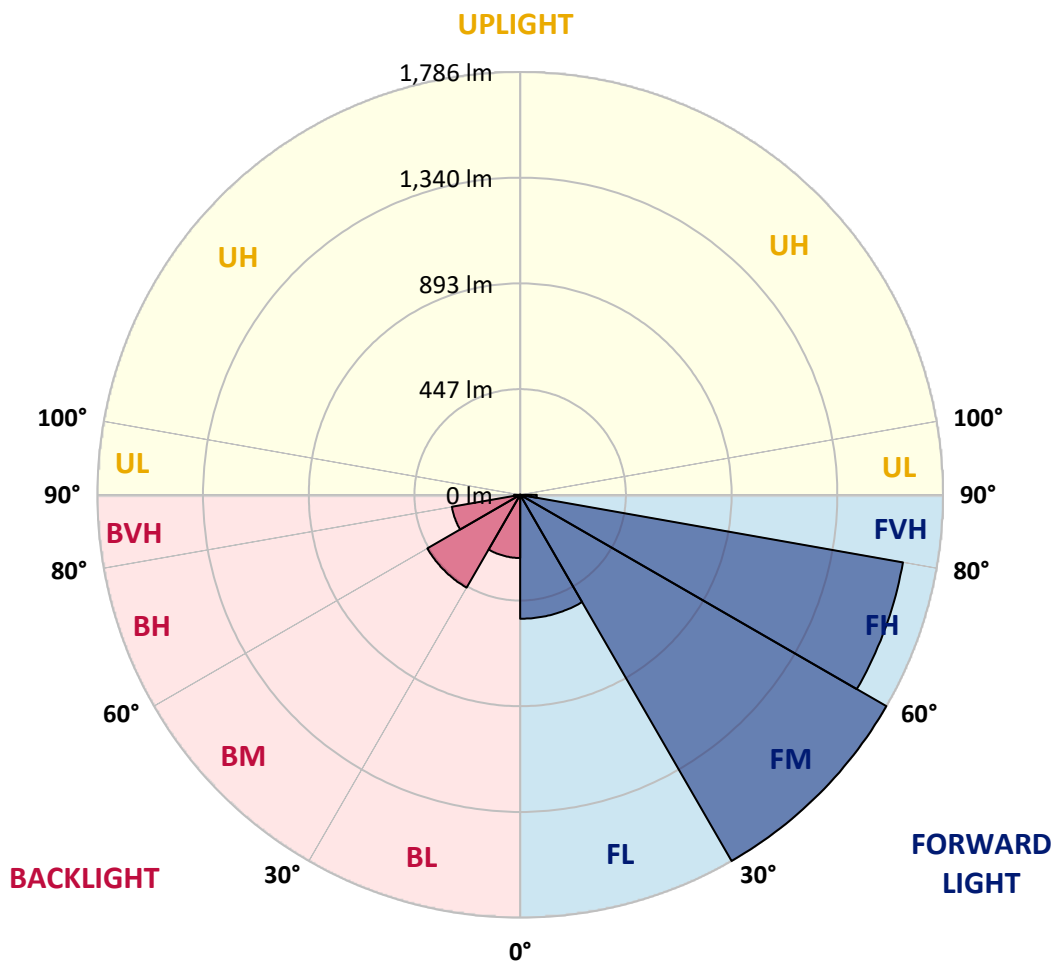
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 523.6 | 10.3 | | | |
| FM | (30°-60°) | 1786.5 | 35.3 | | | |
| FH | (60°-80°) | 1642.2 | 32.4 | | | G1/1800 |
| FVH | (80°-90°) | 70.2 | 1.4 | | | G1/100 |
| BL | (0°-30°) | 266.8 | 5.3 | B1/500 | | |
| BM | (30°-60°) | 452.7 | 8.9 | B1/1000 | | |
| BH | (60°-80°) | 293.1 | 5.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 25.9 | 0.5 | | | 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 IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 |
| 2.5° | 1796.7 | 1791.7 | 1779.0 | 1745.1 | 1708.7 | 1665.6 | 1657.9 | 1611.4 | 1616.5 | 1602.9 | 1606.3 |
| 5° | 1641.0 | 1634.2 | 1599.5 | 1531.8 | 1439.6 | 1386.3 | 1344.8 | 1320.3 | 1299.9 | 1289.8 | 1302.5 |
| 7.5° | 1489.5 | 1480.2 | 1438.7 | 1319.4 | 1217.0 | 1132.4 | 1064.7 | 1023.2 | 982.6 | 950.4 | 935.2 |
| 10° | 1366.8 | 1363.4 | 1308.4 | 1173.8 | 1045.2 | 942.0 | 897.9 | 853.9 | 819.2 | 773.5 | 736.3 |
| 12.5° | 1305.0 | 1294.9 | 1229.7 | 1073.1 | 947.9 | 884.4 | 842.9 | 787.1 | 739.7 | 683.8 | 635.6 |
| 15° | 1307.6 | 1295.7 | 1214.5 | 1050.3 | 914.0 | 837.0 | 773.5 | 706.7 | 637.3 | 580.6 | 531.5 |
| 17.5° | 1380.3 | 1371.9 | 1272.9 | 1071.4 | 885.2 | 778.6 | 679.6 | 593.3 | 517.1 | 446.0 | 402.0 |
| 20° | 1503.1 | 1490.4 | 1353.3 | 1096.8 | 848.9 | 711.8 | 577.2 | 458.7 | 376.6 | 314.0 | 279.3 |
| 22.5° | 1663.0 | 1639.3 | 1467.5 | 1128.1 | 812.5 | 635.6 | 466.3 | 334.3 | 261.5 | 230.2 | 220.9 |
| 25° | 1834.0 | 1815.4 | 1605.5 | 1167.9 | 773.5 | 552.6 | 345.3 | 242.9 | 217.5 | 204.8 | 198.0 |
| 27.5° | 1991.4 | 1960.9 | 1753.6 | 1211.9 | 721.9 | 469.7 | 262.4 | 209.0 | 192.1 | 186.2 | 182.0 |
| 30° | 2103.9 | 2077.7 | 1856.0 | 1262.7 | 677.1 | 383.4 | 224.3 | 189.6 | 176.0 | 166.7 | 165.0 |
| 32.5° | 2211.4 | 2174.2 | 1930.5 | 1286.4 | 639.8 | 336.8 | 207.3 | 176.0 | 163.3 | 154.0 | 150.6 |
| 35° | 2338.4 | 2301.1 | 2015.9 | 1289.8 | 611.9 | 317.4 | 191.3 | 165.9 | 152.3 | 143.9 | 139.6 |
| 37.5° | 2488.2 | 2437.4 | 2112.4 | 1292.3 | 584.0 | 309.8 | 177.7 | 157.4 | 143.9 | 134.6 | 131.2 |
| 40° | 2630.4 | 2591.4 | 2211.4 | 1288.1 | 565.3 | 298.8 | 169.3 | 148.1 | 135.4 | 126.9 | 122.7 |
| 42.5° | 2737.8 | 2696.4 | 2296.1 | 1275.4 | 554.3 | 280.1 | 172.6 | 141.3 | 129.5 | 120.2 | 115.1 |
| 45° | 2792.9 | 2755.6 | 2373.1 | 1263.6 | 548.4 | 264.1 | 169.3 | 138.8 | 125.3 | 114.3 | 109.2 |
| 47.5° | 2834.3 | 2797.9 | 2451.8 | 1258.5 | 538.3 | 252.2 | 155.7 | 148.1 | 121.0 | 108.3 | 103.3 |
| 50° | 2901.2 | 2869.9 | 2558.4 | 1287.3 | 522.2 | 244.6 | 143.0 | 158.3 | 119.3 | 103.3 | 97.3 |
| 52.5° | 3021.4 | 3001.0 | 2734.5 | 1354.1 | 505.3 | 231.9 | 130.3 | 151.5 | 121.0 | 99.9 | 93.1 |
| 55° | 3245.6 | 3232.9 | 2976.5 | 1442.1 | 489.2 | 215.8 | 116.8 | 137.1 | 120.2 | 93.9 | 88.9 |
| 57.5° | 3487.7 | 3484.3 | 3270.2 | 1519.1 | 465.5 | 188.7 | 108.3 | 115.9 | 114.3 | 88.9 | 82.9 |
| 60° | 3650.2 | 3639.2 | 3405.6 | 1562.3 | 435.0 | 155.7 | 101.6 | 98.2 | 116.8 | 83.8 | 77.0 |
| 62.5° | 3706.0 | 3669.6 | 3365.0 | 1546.2 | 389.3 | 134.6 | 93.9 | 89.7 | 108.3 | 78.7 | 71.1 |
| 64° | 3702.6 | 3649.3 | 3259.2 | 1485.3 | 359.7 | 130.3 | 89.7 | 83.8 | 95.6 | 75.3 | 68.6 |
| 65° | 3683.2 | 3632.4 | 3171.2 | 1437.9 | 343.6 | 130.3 | 87.2 | 81.2 | 87.2 | 73.6 | 66.9 |
| 67.5° | 3558.8 | 3491.9 | 2870.7 | 1217.9 | 302.1 | 132.0 | 81.2 | 74.5 | 72.8 | 67.7 | 62.6 |
| 70° | 3275.3 | 3188.1 | 2458.6 | 958.0 | 280.1 | 132.9 | 74.5 | 67.7 | 65.2 | 61.8 | 57.5 |
| 72.5° | 2630.4 | 2513.6 | 1956.7 | 684.7 | 257.3 | 130.3 | 67.7 | 61.8 | 59.2 | 55.9 | 51.6 |
| 75° | 1763.7 | 1635.9 | 1442.1 | 451.1 | 210.7 | 116.8 | 58.4 | 53.3 | 52.5 | 49.1 | 45.7 |
| 77.5° | 994.4 | 941.1 | 851.4 | 248.0 | 145.6 | 80.4 | 46.5 | 43.2 | 44.0 | 42.3 | 38.9 |
| 80° | 519.6 | 495.1 | 455.3 | 120.2 | 70.2 | 38.9 | 29.6 | 29.6 | 33.9 | 33.9 | 32.2 |
| 82.5° | 183.7 | 184.5 | 178.6 | 27.1 | 14.4 | 11.8 | 10.2 | 14.4 | 19.5 | 23.7 | 23.7 |
| 85° | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 3.4 | 5.9 |
| 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° | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 |
| 2.5° | 1577.5 | 1582.6 | 1596.2 | 1593.6 | 1607.2 | 1601.2 | 1619.0 | 1628.3 | 1633.4 | 1659.6 | 1672.3 |
| 5° | 1292.3 | 1294.0 | 1342.3 | 1352.4 | 1377.8 | 1364.3 | 1395.6 | 1383.7 | 1409.1 | 1412.5 | 1454.8 |
| 7.5° | 949.6 | 953.0 | 976.7 | 1032.5 | 1087.5 | 1110.4 | 1119.7 | 1134.1 | 1122.2 | 1118.0 | 1123.9 |
| 10° | 721.9 | 724.4 | 727.0 | 766.8 | 815.0 | 863.2 | 863.2 | 864.1 | 842.9 | 821.8 | 817.5 |
| 12.5° | 617.0 | 600.9 | 575.5 | 576.3 | 610.2 | 633.0 | 650.8 | 632.2 | 628.8 | 639.0 | 650.0 |
| 15° | 507.8 | 491.7 | 474.8 | 454.5 | 455.3 | 471.4 | 480.7 | 479.9 | 496.8 | 504.4 | 527.3 |
| 17.5° | 394.4 | 371.5 | 372.4 | 360.5 | 344.5 | 354.6 | 357.1 | 372.4 | 394.4 | 404.5 | 408.8 |
| 20° | 264.9 | 264.9 | 271.7 | 286.1 | 278.4 | 285.2 | 286.1 | 297.9 | 308.1 | 302.1 | 308.1 |
| 22.5° | 219.2 | 218.4 | 220.9 | 230.2 | 237.8 | 243.7 | 245.4 | 244.6 | 234.4 | 230.2 | 238.7 |
| 25° | 198.9 | 198.0 | 198.9 | 204.0 | 212.4 | 220.0 | 216.7 | 211.6 | 199.7 | 198.9 | 200.6 |
| 27.5° | 182.0 | 182.8 | 184.5 | 187.9 | 193.0 | 202.3 | 198.9 | 188.7 | 182.8 | 181.1 | 181.1 |
| 30° | 167.6 | 167.6 | 171.0 | 174.3 | 180.3 | 188.7 | 182.8 | 174.3 | 168.4 | 166.7 | 165.9 |
| 32.5° | 153.2 | 155.7 | 158.3 | 161.6 | 166.7 | 175.2 | 170.1 | 162.5 | 156.6 | 153.2 | 150.6 |
| 35° | 138.8 | 140.5 | 145.6 | 150.6 | 154.9 | 161.6 | 158.3 | 151.5 | 145.6 | 137.9 | 134.6 |
| 37.5° | 130.3 | 130.3 | 132.9 | 140.5 | 143.9 | 149.0 | 147.3 | 141.3 | 132.0 | 126.1 | 125.3 |
| 40° | 122.7 | 122.7 | 123.6 | 127.8 | 133.7 | 139.6 | 136.3 | 126.9 | 121.0 | 118.5 | 117.6 |
| 42.5° | 115.1 | 115.1 | 115.9 | 115.9 | 123.6 | 133.7 | 125.3 | 115.9 | 113.4 | 111.7 | 110.9 |
| 45° | 108.3 | 108.3 | 108.3 | 107.5 | 111.7 | 124.4 | 115.1 | 107.5 | 105.8 | 105.8 | 104.9 |
| 47.5° | 103.3 | 102.4 | 101.6 | 99.9 | 102.4 | 112.6 | 104.9 | 100.7 | 99.9 | 100.7 | 99.9 |
| 50° | 96.5 | 95.6 | 94.8 | 93.9 | 95.6 | 99.9 | 98.2 | 93.9 | 94.8 | 94.8 | 95.6 |
| 52.5° | 90.6 | 89.7 | 88.9 | 88.0 | 89.7 | 93.1 | 93.1 | 89.7 | 89.7 | 90.6 | 91.4 |
| 55° | 87.2 | 85.5 | 84.6 | 84.6 | 85.5 | 89.7 | 88.9 | 86.3 | 86.3 | 88.0 | 88.9 |
| 57.5° | 82.1 | 80.4 | 80.4 | 79.6 | 81.2 | 86.3 | 85.5 | 82.9 | 82.9 | 83.8 | 85.5 |
| 60° | 77.0 | 76.2 | 75.3 | 77.0 | 77.9 | 82.9 | 82.1 | 80.4 | 79.6 | 82.1 | 82.1 |
| 62.5° | 71.1 | 71.1 | 71.1 | 72.8 | 73.6 | 79.6 | 78.7 | 77.9 | 77.9 | 78.7 | 77.9 |
| 64° | 67.7 | 67.7 | 68.6 | 69.4 | 71.1 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 75.3 |
| 65° | 66.0 | 66.0 | 67.7 | 68.6 | 69.4 | 75.3 | 74.5 | 75.3 | 76.2 | 75.3 | 73.6 |
| 67.5° | 61.8 | 61.8 | 64.3 | 64.3 | 65.2 | 71.9 | 71.1 | 72.8 | 74.5 | 72.8 | 71.1 |
| 70° | 56.7 | 57.5 | 60.1 | 59.2 | 60.9 | 68.6 | 66.0 | 69.4 | 72.8 | 70.2 | 68.6 |
| 72.5° | 51.6 | 52.5 | 55.9 | 54.2 | 55.0 | 64.3 | 60.9 | 64.3 | 69.4 | 67.7 | 66.0 |
| 75° | 46.5 | 47.4 | 49.9 | 49.1 | 50.8 | 59.2 | 55.9 | 59.2 | 64.3 | 64.3 | 63.5 |
| 77.5° | 39.8 | 41.5 | 43.2 | 42.3 | 45.7 | 53.3 | 49.9 | 52.5 | 56.7 | 60.1 | 58.4 |
| 80° | 32.2 | 34.7 | 35.5 | 36.4 | 39.8 | 45.7 | 43.2 | 44.0 | 48.2 | 50.8 | 51.6 |
| 82.5° | 22.0 | 26.2 | 27.9 | 28.8 | 33.9 | 35.5 | 36.4 | 35.5 | 38.1 | 41.5 | 38.9 |
| 85° | 6.8 | 8.5 | 16.1 | 20.3 | 25.4 | 25.4 | 29.6 | 27.9 | 29.6 | 26.2 | 22.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 5.9 | 15.2 | 15.2 | 21.2 | 19.5 | 20.3 | 15.2 | 13.5 |
| 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° | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 | 1801.0 |
| 2.5° | 1674.9 | 1689.3 | 1721.4 | 1758.6 | 1779.0 | 1823.0 | 1850.1 | 1878.8 | 1907.6 | 1913.5 | 1922.8 |
| 5° | 1463.3 | 1480.2 | 1516.6 | 1566.5 | 1616.5 | 1674.9 | 1742.6 | 1814.5 | 1894.1 | 1927.9 | 1960.9 |
| 7.5° | 1140.0 | 1143.4 | 1195.0 | 1285.6 | 1329.6 | 1412.5 | 1509.0 | 1619.9 | 1742.6 | 1806.0 | 1873.7 |
| 10° | 842.1 | 876.8 | 915.7 | 991.0 | 1101.9 | 1197.5 | 1316.9 | 1446.4 | 1574.2 | 1666.4 | 1736.6 |
| 12.5° | 661.8 | 705.8 | 770.1 | 853.1 | 936.9 | 1027.4 | 1165.4 | 1304.2 | 1461.6 | 1544.5 | 1630.9 |
| 15° | 545.0 | 600.9 | 684.7 | 771.8 | 849.7 | 930.1 | 1052.8 | 1222.9 | 1424.4 | 1509.0 | 1586.0 |
| 17.5° | 431.6 | 493.4 | 583.1 | 674.5 | 767.6 | 865.8 | 1008.0 | 1218.7 | 1464.1 | 1562.3 | 1641.9 |
| 20° | 330.9 | 379.2 | 454.5 | 546.7 | 655.9 | 790.5 | 972.4 | 1250.9 | 1581.8 | 1704.5 | 1757.0 |
| 22.5° | 245.4 | 273.4 | 332.6 | 429.1 | 557.7 | 723.6 | 936.9 | 1296.6 | 1727.3 | 1871.2 | 1911.0 |
| 25° | 203.1 | 210.7 | 237.8 | 321.6 | 454.5 | 648.3 | 909.8 | 1355.8 | 1872.9 | 2034.5 | 2063.3 |
| 27.5° | 182.8 | 187.0 | 199.7 | 231.0 | 355.5 | 586.5 | 874.2 | 1424.4 | 2026.1 | 2196.2 | 2193.7 |
| 30° | 165.0 | 165.9 | 173.5 | 195.5 | 288.6 | 531.5 | 832.8 | 1500.5 | 2162.3 | 2312.1 | 2304.5 |
| 32.5° | 149.0 | 149.0 | 159.1 | 176.0 | 246.3 | 481.6 | 782.8 | 1555.5 | 2280.8 | 2406.9 | 2382.4 |
| 35° | 134.6 | 137.1 | 146.4 | 163.3 | 218.4 | 425.7 | 736.3 | 1575.8 | 2382.4 | 2521.2 | 2451.8 |
| 37.5° | 124.4 | 127.8 | 137.1 | 153.2 | 194.7 | 384.2 | 698.2 | 1599.5 | 2507.6 | 2659.1 | 2529.6 |
| 40° | 117.6 | 120.2 | 128.6 | 142.2 | 176.0 | 349.5 | 656.7 | 1615.6 | 2632.1 | 2806.4 | 2611.7 |
| 42.5° | 110.9 | 113.4 | 121.9 | 134.6 | 167.6 | 308.9 | 617.0 | 1624.9 | 2761.5 | 2934.2 | 2680.3 |
| 45° | 104.9 | 108.3 | 116.8 | 128.6 | 168.4 | 272.5 | 584.0 | 1621.5 | 2839.4 | 3026.4 | 2733.6 |
| 47.5° | 100.7 | 104.1 | 113.4 | 128.6 | 163.3 | 251.4 | 556.0 | 1609.7 | 2896.9 | 3086.5 | 2758.2 |
| 50° | 96.5 | 99.9 | 110.9 | 142.2 | 154.9 | 245.4 | 534.9 | 1608.0 | 2957.0 | 3098.4 | 2758.2 |
| 52.5° | 92.2 | 98.2 | 111.7 | 143.0 | 142.2 | 242.9 | 517.9 | 1652.9 | 3040.0 | 3118.7 | 2782.7 |
| 55° | 89.7 | 94.8 | 115.1 | 132.0 | 124.4 | 234.4 | 507.8 | 1714.6 | 3179.6 | 3230.4 | 2906.3 |
| 57.5° | 86.3 | 90.6 | 113.4 | 123.6 | 110.9 | 215.0 | 499.3 | 1773.9 | 3363.3 | 3437.7 | 3152.5 |
| 60° | 82.1 | 87.2 | 110.0 | 105.8 | 100.7 | 182.8 | 494.2 | 1823.0 | 3431.8 | 3571.5 | 3417.4 |
| 62.5° | 77.9 | 83.8 | 120.2 | 92.2 | 93.1 | 152.3 | 484.9 | 1870.4 | 3287.1 | 3539.3 | 3587.5 |
| 64° | 75.3 | 81.2 | 111.7 | 86.3 | 88.9 | 138.8 | 475.6 | 1872.9 | 3159.3 | 3463.1 | 3619.7 |
| 65° | 73.6 | 78.7 | 104.1 | 82.9 | 85.5 | 135.4 | 467.2 | 1837.4 | 3039.1 | 3381.9 | 3610.4 |
| 67.5° | 71.1 | 74.5 | 80.4 | 77.0 | 79.6 | 129.5 | 409.6 | 1680.8 | 2783.5 | 3172.8 | 3465.7 |
| 70° | 67.7 | 70.2 | 71.1 | 70.2 | 74.5 | 125.3 | 346.1 | 1458.2 | 2504.3 | 2953.7 | 3240.6 |
| 72.5° | 64.3 | 64.3 | 64.3 | 63.5 | 68.6 | 119.3 | 311.4 | 1178.1 | 2164.0 | 2665.9 | 2960.4 |
| 75° | 61.8 | 59.2 | 58.4 | 56.7 | 62.6 | 115.9 | 281.0 | 884.4 | 1672.3 | 2220.7 | 2480.6 |
| 77.5° | 56.7 | 54.2 | 51.6 | 49.9 | 55.9 | 103.3 | 234.4 | 624.6 | 1233.1 | 1615.6 | 1914.4 |
| 80° | 49.1 | 47.4 | 44.0 | 41.5 | 46.5 | 81.2 | 177.7 | 385.9 | 902.2 | 1090.9 | 1255.9 |
| 82.5° | 39.8 | 38.9 | 35.5 | 32.2 | 33.9 | 58.4 | 121.0 | 196.3 | 601.7 | 592.4 | 701.6 |
| 85° | 24.5 | 30.5 | 26.2 | 21.2 | 22.9 | 33.9 | 49.1 | 62.6 | 184.5 | 110.9 | 171.8 |
| 87.5° | 14.4 | 19.5 | 16.1 | 11.0 | 8.5 | 15.2 | 13.5 | 12.7 | 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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| 85° | 196.3 | 103.3 | 28.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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