

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: SHAPER

Report Number: P368755

Luminaire Tested: **674-WP-55-L5/827**

Issue Date: 11/13/2019

Test Information

Test Method: LM-79-08
Report Number: P368755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1804-721-13)
Test Lab: INNOVATIONS CENTER
Issue Date: 11/13/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 674-WP-55-L5/827
Description: 55" 674 SERIES LUMINOUS WALL SCONCE
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

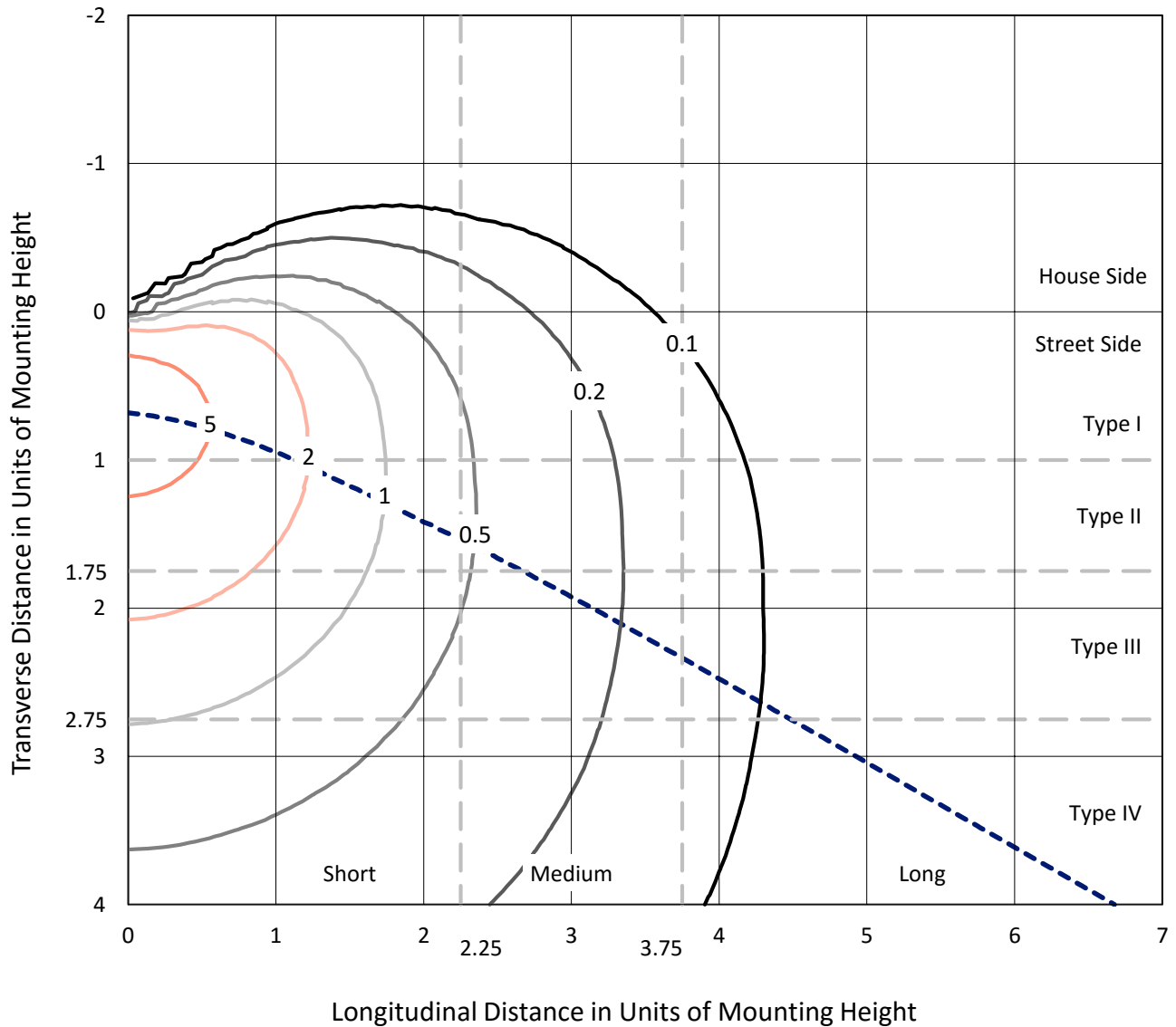
Lumens per Lamp: N/A
Luminaire Lumens: 3142.8 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.71' x L: 0.21' x H: 4.58')
IES Classification: Type - Short - Non-Cutoff
BUG Rating: B0 - U5 - G3

Input Watts (W): 42.7
Input Voltage (V): 120
Input Current (A_{in}): 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

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Iso-Footcandle Lines of Horizontal Illumination

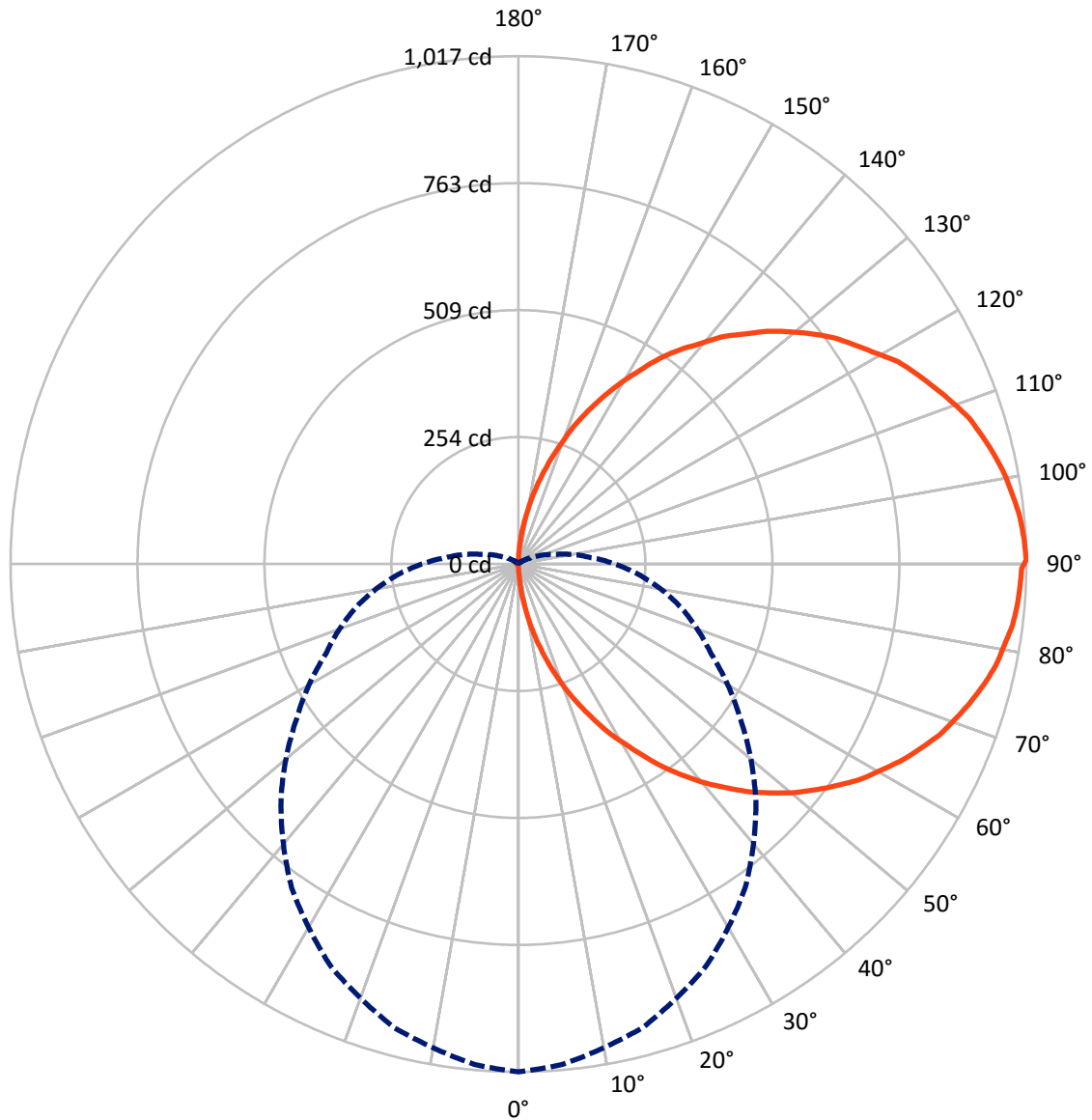
× Max cd
 - - - 1/2 Max cd



Based on 6 foot mounting height. Maximum calculated value = 7.6 fc
 Type - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 90-Deg Vertical

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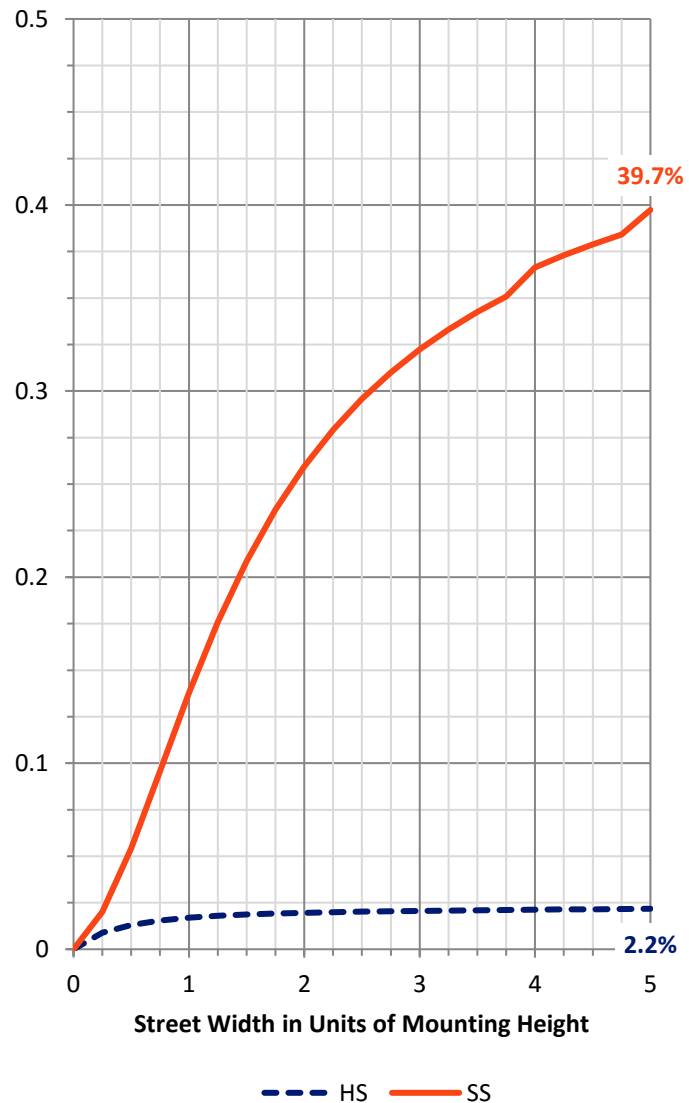
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 72.3 | 71.2 | 143.5 |
| | % Fixture | 2.3 | 2.3 | 4.6 |
| Street Side | Lumens | 1501.6 | 1497.7 | 2999.3 |
| | % Fixture | 47.8 | 47.7 | 95.4 |
| Total | Lumens | 1573.8 | 1568.9 | 3142.8 |
| | % Fixture | 50.1 | 49.9 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 2.3 | 0.1 |
| 10°-20° | 18.1 | 0.6 |
| 20°-30° | 52.1 | 1.7 |
| 30°-40° | 103.0 | 3.3 |
| 40°-50° | 166.0 | 5.3 |
| 50°-60° | 232.1 | 7.4 |
| 60°-70° | 293.0 | 9.3 |
| 70°-80° | 340.5 | 10.8 |
| 80°-90° | 366.8 | 11.7 |
| 90°-100° | 368.3 | 11.7 |
| 100°-110° | 340.1 | 10.8 |
| 110°-120° | 291.8 | 9.3 |
| 120°-130° | 230.5 | 7.3 |
| 130°-140° | 164.6 | 5.2 |
| 140°-150° | 102.3 | 3.3 |
| 150°-160° | 51.6 | 1.6 |
| 160°-170° | 17.6 | 0.6 |
| 170°-180° | 2.1 | 0.1 |
| 0°-90° | 1573.8 | 50.1 |
| 0°-180° | 3142.8 | 100.0 |



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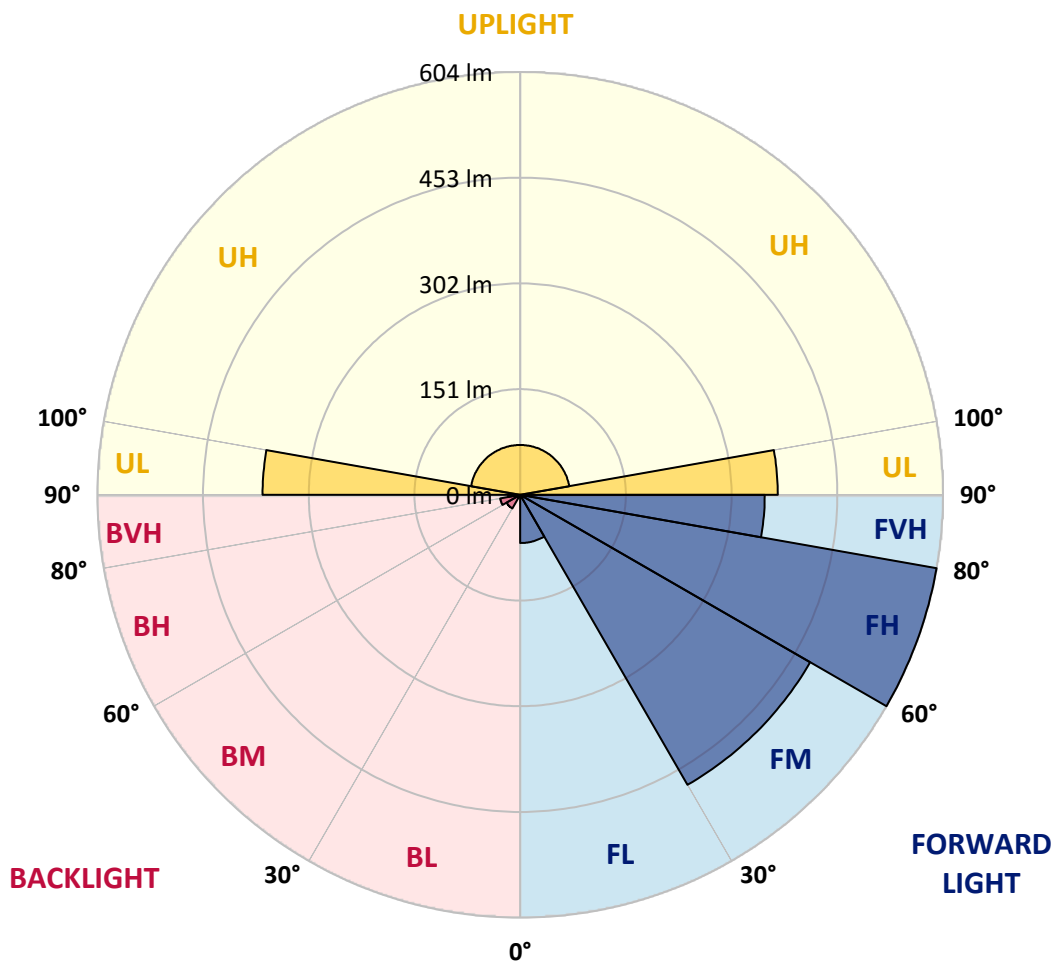
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|--------|--------|
| | | | B | U | G |
| FL (0°-30°) | 68.9 | 2.2 | | | |
| FM (30°-60°) | 478.6 | 15.2 | | | |
| FH (60°-80°) | 604.4 | 19.2 | | | G0/660 |
| FVH (80°-90°) | 349.6 | 11.1 | | | G3/500 |
| BL (0°-30°) | 3.6 | 0.1 | B0/110 | | |
| BM (30°-60°) | 22.5 | 0.7 | B0/220 | | |
| BH (60°-80°) | 29.0 | 0.9 | B0/110 | | G0/110 |
| BVH (80°-90°) | 17.2 | 0.5 | | | G1/100 |
| UL (90°-100°) | 368.3 | 11.7 | | U3/500 | |
| UH (100°-180°) | 71.2 | 2.3 | | U3/500 | |

BUG Rating: B0-U5-G3

Type Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 2.5° | 19.8 | 16.2 | 16.2 | 16.2 | 12.6 | 12.6 | 10.8 | 9.0 | 7.2 | 5.4 | 5.4 |
| 5° | 48.7 | 46.9 | 45.1 | 43.3 | 36.1 | 30.7 | 25.3 | 19.8 | 16.2 | 10.8 | 9.0 |
| 7.5° | 79.4 | 77.6 | 73.9 | 70.3 | 59.5 | 50.5 | 41.5 | 32.5 | 27.1 | 18.0 | 14.4 |
| 10° | 113.6 | 110.0 | 106.4 | 97.4 | 84.8 | 72.1 | 57.7 | 45.1 | 36.1 | 25.3 | 21.6 |
| 12.5° | 149.7 | 146.1 | 140.7 | 129.9 | 111.8 | 95.6 | 75.8 | 59.5 | 46.9 | 34.3 | 27.1 |
| 15° | 185.8 | 184.0 | 175.0 | 160.5 | 140.7 | 119.0 | 93.8 | 73.9 | 57.7 | 41.5 | 34.3 |
| 17.5° | 225.5 | 220.0 | 211.0 | 193.0 | 169.5 | 142.5 | 113.6 | 88.4 | 70.3 | 50.5 | 39.7 |
| 20° | 263.3 | 257.9 | 247.1 | 225.5 | 198.4 | 165.9 | 131.7 | 104.6 | 81.2 | 57.7 | 46.9 |
| 22.5° | 301.2 | 295.8 | 283.2 | 257.9 | 227.3 | 191.2 | 151.5 | 119.0 | 93.8 | 66.7 | 54.1 |
| 25° | 339.1 | 335.5 | 319.2 | 290.4 | 256.1 | 214.6 | 171.3 | 135.3 | 106.4 | 75.8 | 61.3 |
| 27.5° | 380.6 | 373.3 | 355.3 | 324.7 | 286.8 | 241.7 | 193.0 | 151.5 | 119.0 | 84.8 | 68.5 |
| 30° | 416.6 | 414.8 | 395.0 | 358.9 | 317.4 | 266.9 | 211.0 | 167.7 | 131.7 | 93.8 | 73.9 |
| 32.5° | 456.3 | 452.7 | 429.3 | 393.2 | 346.3 | 292.2 | 230.9 | 184.0 | 144.3 | 102.8 | 81.2 |
| 35° | 499.6 | 494.2 | 470.7 | 427.5 | 377.0 | 317.4 | 252.5 | 200.2 | 156.9 | 111.8 | 90.2 |
| 37.5° | 537.5 | 533.9 | 508.6 | 461.7 | 407.6 | 342.7 | 272.3 | 216.4 | 169.5 | 120.8 | 97.4 |
| 40° | 577.2 | 571.7 | 542.9 | 497.8 | 436.5 | 367.9 | 294.0 | 232.7 | 182.2 | 129.9 | 104.6 |
| 42.5° | 613.2 | 607.8 | 579.0 | 530.3 | 467.1 | 391.4 | 313.8 | 247.1 | 194.8 | 138.9 | 111.8 |
| 45° | 651.1 | 643.9 | 615.0 | 562.7 | 497.8 | 416.6 | 333.7 | 263.3 | 207.4 | 147.9 | 119.0 |
| 47.5° | 685.4 | 678.2 | 647.5 | 593.4 | 524.9 | 440.1 | 351.7 | 277.8 | 220.0 | 156.9 | 124.4 |
| 50° | 719.6 | 712.4 | 678.2 | 622.2 | 551.9 | 465.3 | 369.7 | 294.0 | 230.9 | 165.9 | 131.7 |
| 52.5° | 750.3 | 743.1 | 707.0 | 649.3 | 577.2 | 487.0 | 386.0 | 306.6 | 241.7 | 173.1 | 137.1 |
| 55° | 781.0 | 773.8 | 737.7 | 676.4 | 602.4 | 508.6 | 404.0 | 321.0 | 252.5 | 180.4 | 144.3 |
| 57.5° | 811.6 | 802.6 | 762.9 | 703.4 | 624.1 | 528.5 | 420.2 | 333.7 | 261.5 | 187.6 | 149.7 |
| 60° | 836.9 | 829.7 | 790.0 | 726.9 | 645.7 | 546.5 | 434.7 | 344.5 | 272.3 | 194.8 | 155.1 |
| 62.5° | 863.9 | 854.9 | 815.2 | 750.3 | 665.5 | 566.3 | 449.1 | 355.3 | 281.4 | 202.0 | 160.5 |
| 65° | 887.4 | 878.4 | 836.9 | 770.1 | 685.4 | 580.8 | 465.3 | 367.9 | 290.4 | 207.4 | 165.9 |
| 67.5° | 910.8 | 900.0 | 858.5 | 791.8 | 703.4 | 597.0 | 478.0 | 377.0 | 297.6 | 212.8 | 169.5 |
| 70° | 928.9 | 919.8 | 876.6 | 809.8 | 719.6 | 611.4 | 492.4 | 386.0 | 304.8 | 218.2 | 175.0 |
| 72.5° | 946.9 | 937.9 | 892.8 | 826.1 | 734.1 | 624.1 | 503.2 | 395.0 | 312.0 | 223.6 | 178.6 |
| 75° | 963.1 | 954.1 | 909.0 | 840.5 | 748.5 | 634.9 | 512.2 | 402.2 | 317.4 | 227.3 | 182.2 |
| 77.5° | 977.6 | 966.7 | 923.5 | 853.1 | 757.5 | 645.7 | 519.4 | 407.6 | 322.8 | 230.9 | 185.8 |
| 80° | 986.6 | 977.6 | 932.5 | 862.1 | 766.5 | 651.1 | 524.9 | 413.0 | 326.5 | 234.5 | 187.6 |
| 82.5° | 997.4 | 986.6 | 941.5 | 869.3 | 775.6 | 658.3 | 530.3 | 416.6 | 330.1 | 236.3 | 189.4 |
| 85° | 1002.8 | 992.0 | 946.9 | 876.6 | 781.0 | 663.7 | 535.7 | 420.2 | 331.9 | 238.1 | 191.2 |
| 87.5° | 1006.4 | 995.6 | 952.3 | 880.2 | 784.6 | 667.3 | 537.5 | 422.0 | 333.7 | 239.9 | 191.2 |
| 89° | 1008.2 | 997.4 | 952.3 | 880.2 | 784.6 | 667.3 | 537.5 | 422.0 | 333.7 | 239.9 | 193.0 |
| 90° | 1017.2 | 1006.4 | 961.3 | 889.2 | 791.8 | 672.7 | 542.9 | 425.7 | 337.3 | 241.7 | 193.0 |
| 92.5° | 1013.6 | 1004.6 | 957.7 | 887.4 | 790.0 | 670.9 | 541.1 | 423.9 | 335.5 | 239.9 | 193.0 |
| 95° | 1008.2 | 999.2 | 952.3 | 882.0 | 784.6 | 667.3 | 537.5 | 420.2 | 333.7 | 238.1 | 191.2 |
| 97.5° | 999.2 | 990.2 | 945.1 | 873.0 | 777.4 | 660.1 | 532.1 | 416.6 | 330.1 | 236.3 | 189.4 |
| 100° | 990.2 | 981.2 | 936.1 | 865.7 | 770.1 | 654.7 | 526.7 | 413.0 | 326.5 | 234.5 | 187.6 |
| 102.5° | 977.6 | 970.3 | 925.3 | 854.9 | 759.3 | 645.7 | 519.4 | 407.6 | 321.0 | 230.9 | 184.0 |
| 105° | 963.1 | 954.1 | 909.0 | 840.5 | 746.7 | 634.9 | 510.4 | 400.4 | 317.4 | 227.3 | 180.4 |
| 107.5° | 948.7 | 937.9 | 892.8 | 824.3 | 734.1 | 622.2 | 501.4 | 393.2 | 310.2 | 221.8 | 176.8 |



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CATALOG NUMBER: 674-WP-55-L5/827

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 927.1 | 919.8 | 874.8 | 808.0 | 717.8 | 609.6 | 490.6 | 384.2 | 303.0 | 216.4 | 173.1 |
| 112.5° | 905.4 | 898.2 | 856.7 | 790.0 | 701.6 | 595.2 | 479.8 | 375.2 | 295.8 | 211.0 | 169.5 |
| 115° | 883.8 | 876.6 | 835.1 | 770.1 | 683.6 | 579.0 | 463.5 | 364.3 | 286.8 | 205.6 | 164.1 |
| 117.5° | 862.1 | 853.1 | 811.6 | 748.5 | 663.7 | 562.7 | 447.3 | 353.5 | 279.6 | 200.2 | 158.7 |
| 120° | 831.5 | 826.1 | 786.4 | 725.1 | 642.1 | 544.7 | 432.9 | 340.9 | 268.7 | 193.0 | 153.3 |
| 122.5° | 804.4 | 799.0 | 759.3 | 699.8 | 620.4 | 524.9 | 418.4 | 330.1 | 259.7 | 185.8 | 147.9 |
| 125° | 779.2 | 770.1 | 732.3 | 674.6 | 597.0 | 505.0 | 402.2 | 315.6 | 250.7 | 178.6 | 142.5 |
| 127.5° | 748.5 | 739.5 | 703.4 | 647.5 | 573.6 | 485.2 | 384.2 | 303.0 | 239.9 | 169.5 | 137.1 |
| 130° | 716.0 | 708.8 | 672.7 | 618.6 | 546.5 | 458.1 | 367.9 | 288.6 | 229.1 | 162.3 | 129.9 |
| 132.5° | 683.6 | 676.4 | 642.1 | 589.8 | 521.2 | 436.5 | 349.9 | 274.1 | 216.4 | 155.1 | 122.6 |
| 135° | 645.7 | 642.1 | 609.6 | 559.1 | 494.2 | 413.0 | 330.1 | 259.7 | 205.6 | 146.1 | 117.2 |
| 137.5° | 613.2 | 606.0 | 575.4 | 528.5 | 461.7 | 389.6 | 312.0 | 245.3 | 193.0 | 137.1 | 110.0 |
| 140° | 571.7 | 569.9 | 539.3 | 496.0 | 432.9 | 364.3 | 292.2 | 229.1 | 180.4 | 128.1 | 102.8 |
| 142.5° | 537.5 | 532.1 | 505.0 | 458.1 | 404.0 | 339.1 | 272.3 | 214.6 | 167.7 | 119.0 | 95.6 |
| 145° | 499.6 | 494.2 | 465.3 | 423.9 | 375.2 | 315.6 | 250.7 | 198.4 | 155.1 | 110.0 | 88.4 |
| 147.5° | 456.3 | 450.9 | 429.3 | 391.4 | 344.5 | 290.4 | 230.9 | 182.2 | 142.5 | 101.0 | 81.2 |
| 150° | 416.6 | 413.0 | 389.6 | 357.1 | 315.6 | 265.1 | 211.0 | 165.9 | 129.9 | 92.0 | 73.9 |
| 152.5° | 377.0 | 373.3 | 355.3 | 322.8 | 285.0 | 238.1 | 191.2 | 149.7 | 117.2 | 83.0 | 66.7 |
| 155° | 337.3 | 333.7 | 317.4 | 288.6 | 254.3 | 212.8 | 171.3 | 133.5 | 104.6 | 73.9 | 59.5 |
| 157.5° | 297.6 | 294.0 | 279.6 | 254.3 | 223.6 | 187.6 | 149.7 | 117.2 | 92.0 | 64.9 | 52.3 |
| 160° | 254.3 | 256.1 | 241.7 | 220.0 | 194.8 | 164.1 | 129.9 | 102.8 | 79.4 | 57.7 | 45.1 |
| 162.5° | 216.4 | 216.4 | 205.6 | 187.6 | 165.9 | 138.9 | 110.0 | 86.6 | 68.5 | 48.7 | 39.7 |
| 165° | 176.8 | 178.6 | 167.7 | 153.3 | 135.3 | 115.4 | 90.2 | 72.1 | 55.9 | 39.7 | 32.5 |
| 167.5° | 140.7 | 142.5 | 133.5 | 122.6 | 108.2 | 92.0 | 73.9 | 57.7 | 45.1 | 32.5 | 27.1 |
| 170° | 104.6 | 106.4 | 99.2 | 92.0 | 81.2 | 68.5 | 55.9 | 45.1 | 34.3 | 25.3 | 19.8 |
| 172.5° | 72.1 | 73.9 | 68.5 | 63.1 | 55.9 | 48.7 | 39.7 | 30.7 | 25.3 | 18.0 | 14.4 |
| 175° | 41.5 | 43.3 | 39.7 | 36.1 | 32.5 | 28.9 | 23.4 | 18.0 | 14.4 | 10.8 | 9.0 |
| 177.5° | 12.6 | 12.6 | 12.6 | 10.8 | 10.8 | 9.0 | 9.0 | 7.2 | 7.2 | 5.4 | 5.4 |
| 180° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |



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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-------|------|------|------|------|------|------|------|------|------|
| 0° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 2.5° | 5.4 | 5.4 | 5.4 | 3.6 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 |
| 5° | 7.2 | 5.4 | 5.4 | 3.6 | 3.6 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 7.5° | 12.6 | 7.2 | 5.4 | 3.6 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 |
| 10° | 16.2 | 9.0 | 5.4 | 3.6 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 |
| 12.5° | 21.6 | 12.6 | 5.4 | 3.6 | 3.6 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 15° | 25.3 | 14.4 | 7.2 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 17.5° | 30.7 | 16.2 | 7.2 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 20° | 36.1 | 18.0 | 9.0 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 22.5° | 41.5 | 21.6 | 9.0 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 25° | 46.9 | 23.4 | 10.8 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 27.5° | 52.3 | 27.1 | 10.8 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 30° | 57.7 | 28.9 | 12.6 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 32.5° | 63.1 | 32.5 | 12.6 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 35° | 68.5 | 34.3 | 14.4 | 5.4 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 37.5° | 73.9 | 37.9 | 16.2 | 5.4 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 79.4 | 39.7 | 16.2 | 5.4 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 84.8 | 43.3 | 18.0 | 5.4 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 45° | 90.2 | 45.1 | 18.0 | 5.4 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 47.5° | 95.6 | 48.7 | 19.8 | 5.4 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 50° | 99.2 | 50.5 | 21.6 | 7.2 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 52.5° | 104.6 | 52.3 | 21.6 | 7.2 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 55° | 108.2 | 55.9 | 23.4 | 7.2 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 57.5° | 113.6 | 57.7 | 23.4 | 7.2 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 60° | 117.2 | 59.5 | 25.3 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 | 0.0 | 1.8 |
| 62.5° | 122.6 | 61.3 | 25.3 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 65° | 126.3 | 63.1 | 25.3 | 9.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 67.5° | 129.9 | 64.9 | 27.1 | 9.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 70° | 131.7 | 66.7 | 27.1 | 9.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 72.5° | 135.3 | 68.5 | 28.9 | 9.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 75° | 138.9 | 70.3 | 28.9 | 9.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 77.5° | 140.7 | 72.1 | 28.9 | 9.0 | 3.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 80° | 142.5 | 72.1 | 30.7 | 9.0 | 3.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 82.5° | 144.3 | 73.9 | 30.7 | 10.8 | 3.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 85° | 144.3 | 73.9 | 30.7 | 10.8 | 3.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 87.5° | 146.1 | 73.9 | 30.7 | 10.8 | 3.6 | 3.6 | 1.8 | 1.8 | 1.8 | 1.8 |
| 89° | 146.1 | 73.9 | 30.7 | 10.8 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 90° | 146.1 | 73.9 | 30.7 | 10.8 | 3.6 | 3.6 | 3.6 | 3.6 | 1.8 | 1.8 |
| 92.5° | 146.1 | 73.9 | 30.7 | 10.8 | 3.6 | 3.6 | 1.8 | 1.8 | 1.8 | 1.8 |
| 95° | 144.3 | 73.9 | 30.7 | 9.0 | 3.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 97.5° | 144.3 | 72.1 | 28.9 | 9.0 | 3.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 100° | 142.5 | 72.1 | 28.9 | 9.0 | 3.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 102.5° | 138.9 | 70.3 | 28.9 | 9.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 105° | 137.1 | 68.5 | 28.9 | 9.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 107.5° | 133.5 | 66.7 | 27.1 | 9.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |



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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-------|------|------|------|------|------|------|------|------|------|
| 110° | 131.7 | 66.7 | 27.1 | 9.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 112.5° | 128.1 | 64.9 | 25.3 | 9.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 115° | 124.4 | 63.1 | 25.3 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 117.5° | 120.8 | 59.5 | 25.3 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 120° | 115.4 | 57.7 | 23.4 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 |
| 122.5° | 111.8 | 55.9 | 23.4 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 |
| 125° | 108.2 | 54.1 | 21.6 | 7.2 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 127.5° | 102.8 | 52.3 | 21.6 | 7.2 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 130° | 97.4 | 48.7 | 19.8 | 5.4 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 132.5° | 93.8 | 46.9 | 18.0 | 5.4 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 135° | 88.4 | 45.1 | 18.0 | 5.4 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 137.5° | 83.0 | 41.5 | 16.2 | 5.4 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 140° | 77.6 | 39.7 | 16.2 | 5.4 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 142.5° | 72.1 | 36.1 | 14.4 | 5.4 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 145° | 66.7 | 34.3 | 14.4 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 147.5° | 61.3 | 30.7 | 12.6 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 150° | 55.9 | 28.9 | 12.6 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 152.5° | 50.5 | 27.1 | 10.8 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 155° | 45.1 | 23.4 | 10.8 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 157.5° | 39.7 | 21.6 | 9.0 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 160° | 34.3 | 18.0 | 7.2 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 162.5° | 30.7 | 16.2 | 7.2 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 165° | 25.3 | 12.6 | 7.2 | 3.6 | 3.6 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 167.5° | 19.8 | 10.8 | 5.4 | 3.6 | 3.6 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 170° | 16.2 | 9.0 | 5.4 | 3.6 | 3.6 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 172.5° | 10.8 | 7.2 | 5.4 | 3.6 | 3.6 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 175° | 7.2 | 5.4 | 5.4 | 3.6 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 |
| 177.5° | 5.4 | 5.4 | 5.4 | 3.6 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 |
| 180° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |

(END OF REPORT)