

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: STREETWORKS

Report Number: P597207

Luminaire Tested: **PMM-SA1B-722-U-SL3-HSS**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P597207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-19)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA1B-722-U-SL3-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3057 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

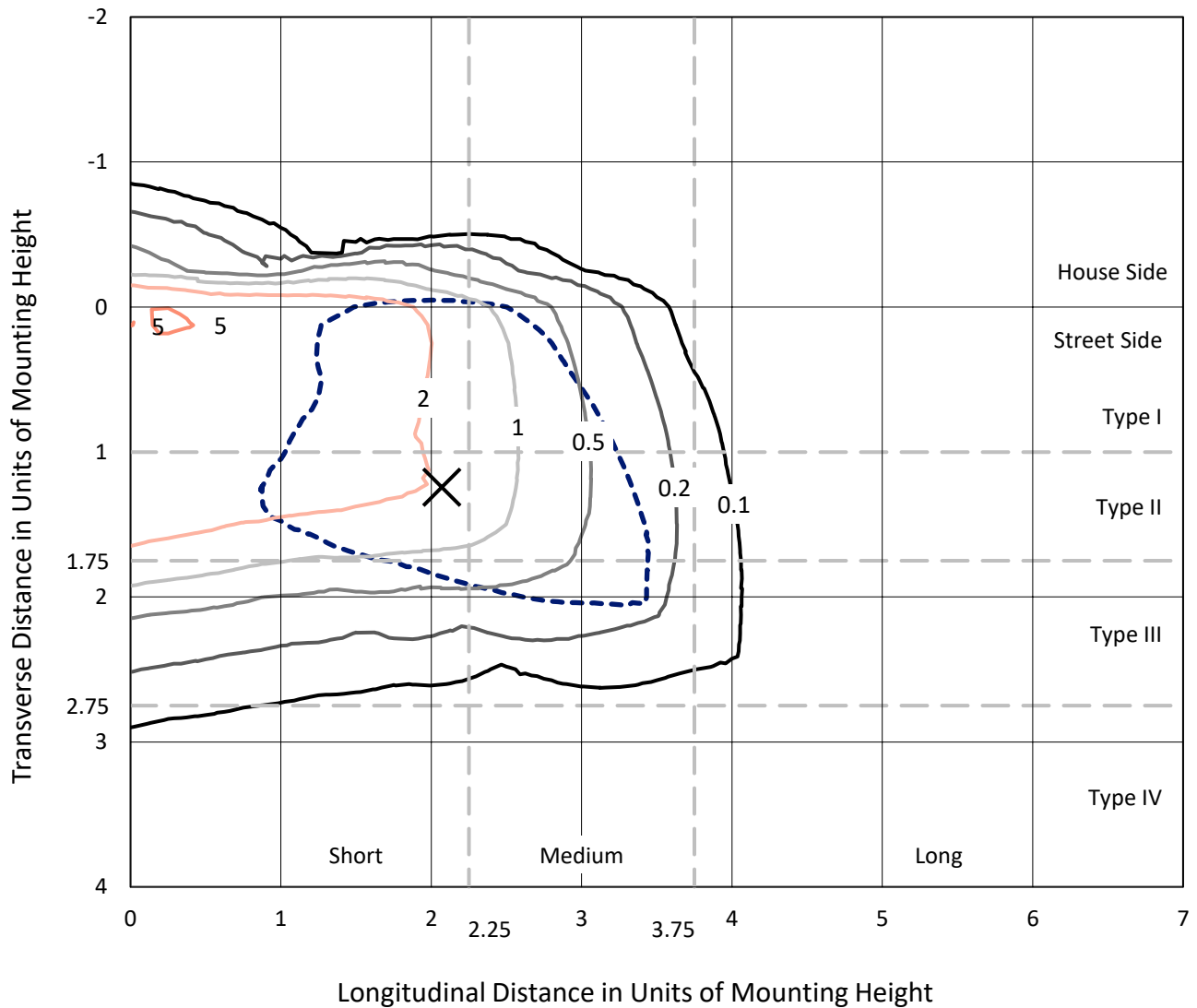
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

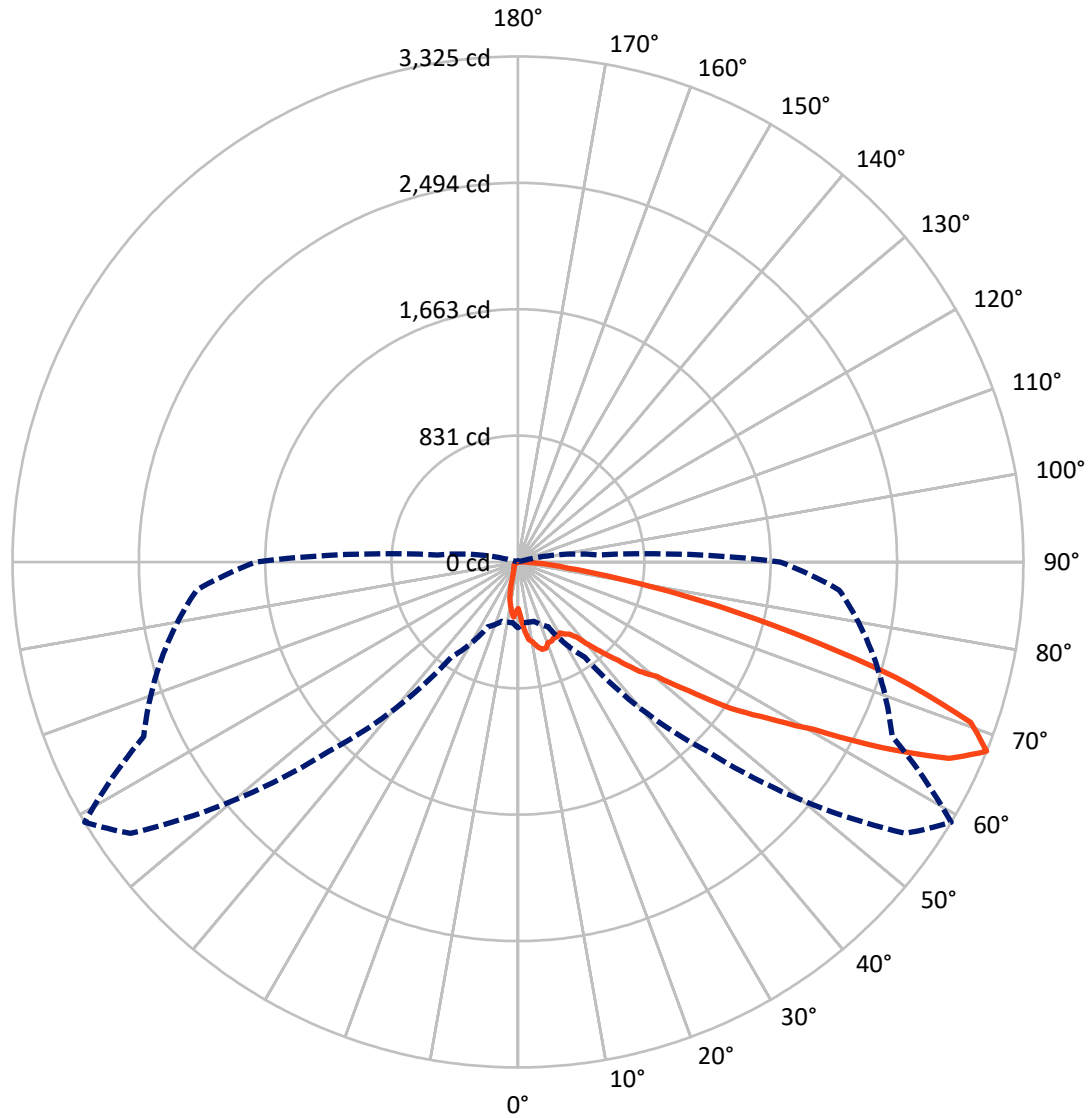
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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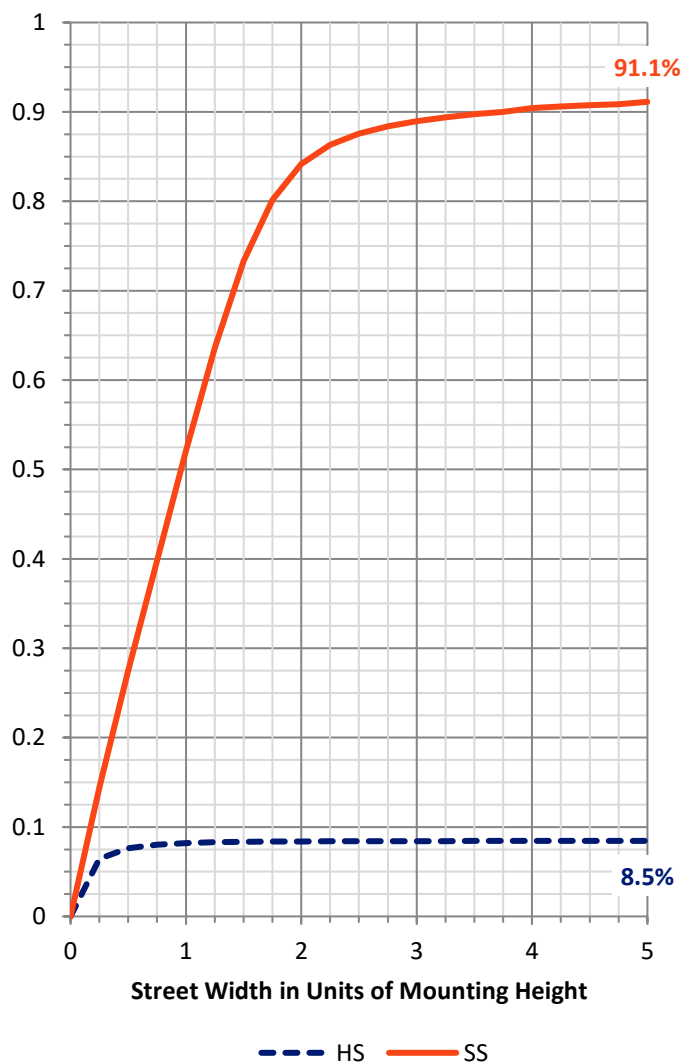
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 260.0 | 0.0 | 260.0 |
| | % Fixture | 8.5 | 0.0 | 8.5 |
| Street Side | Lumens | 2797.0 | 0.0 | 2797.0 |
| | % Fixture | 91.5 | 0.0 | 91.5 |
| Total | Lumens | 3057.0 | 0.0 | 3057.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 37.2 | 1.2 |
| 10°-20° | 104.7 | 3.4 |
| 20°-30° | 155.8 | 5.1 |
| 30°-40° | 240.3 | 7.9 |
| 40°-50° | 428.9 | 14.0 |
| 50°-60° | 763.2 | 25.0 |
| 60°-70° | 888.8 | 29.1 |
| 70°-80° | 395.3 | 12.9 |
| 80°-90° | 42.9 | 1.4 |
| 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° | 3057.0 | 100.0 |
| 0°-180° | 3057.0 | 100.0 |

Coefficient of Utilization



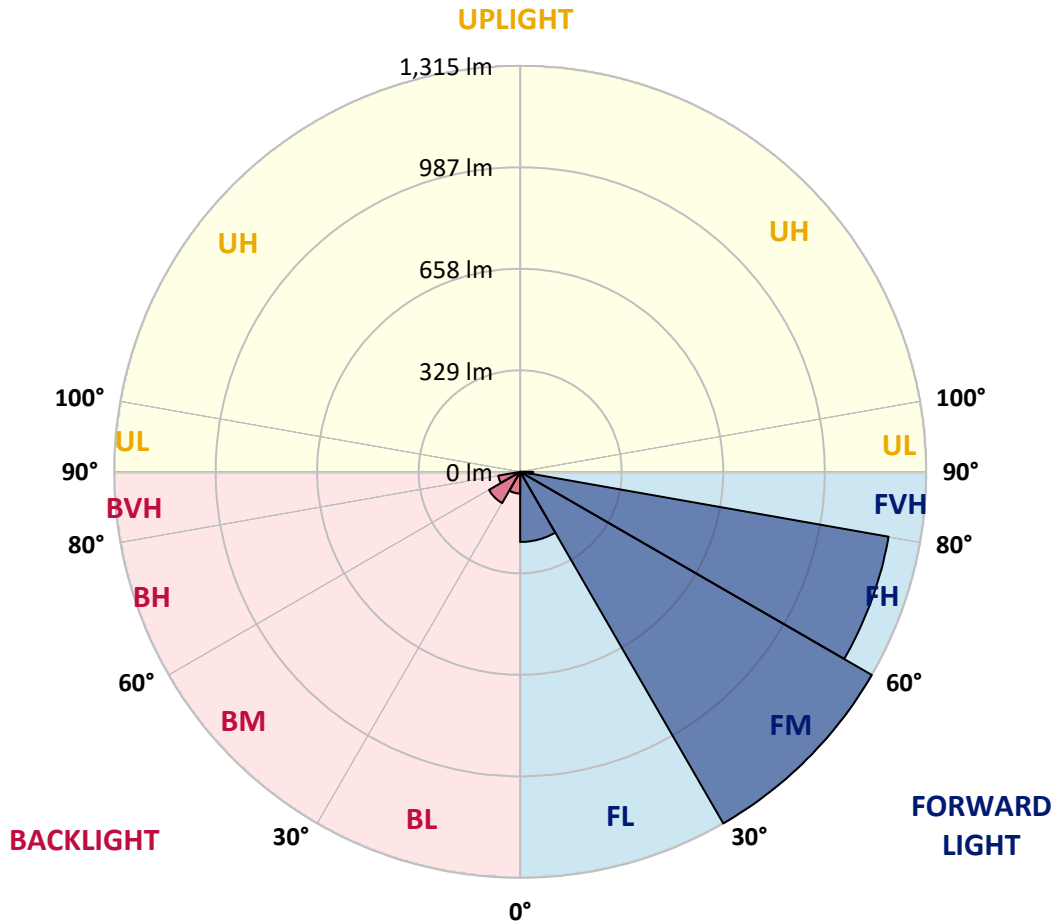
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 227.4 | 7.4 | | | |
| FM (30°-60°) | 1315.4 | 43.0 | | | |
| FH (60°-80°) | 1212.1 | 39.6 | | | G1/1800 |
| FVH (80°-90°) | 42.2 | 1.4 | | | G1/100 |
| BL (0°-30°) | 70.3 | 2.3 | B0/110 | | |
| BM (30°-60°) | 116.9 | 3.8 | B0/220 | | |
| BH (60°-80°) | 72.0 | 2.4 | B0/110 | | G0/110 |
| BVH (80°-90°) | 0.8 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 59° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 |
| 2.5° | 398.7 | 383.7 | 362.4 | 368.7 | 374.4 | 379.9 | 370.9 | 365.8 | 363.3 | 341.3 | 368.9 |
| 5° | 489.6 | 470.9 | 461.1 | 458.6 | 452.4 | 438.7 | 461.6 | 451.4 | 454.8 | 459.1 | 468.1 |
| 7.5° | 517.3 | 508.8 | 494.7 | 500.0 | 476.4 | 474.4 | 506.2 | 515.0 | 526.6 | 518.7 | 529.5 |
| 10° | 503.1 | 488.4 | 495.0 | 493.2 | 492.2 | 513.0 | 535.3 | 535.7 | 553.1 | 561.4 | 524.7 |
| 12.5° | 474.9 | 476.6 | 500.4 | 498.6 | 529.5 | 571.0 | 576.1 | 570.7 | 599.0 | 584.5 | 578.9 |
| 15° | 493.6 | 507.6 | 494.4 | 498.9 | 509.9 | 561.7 | 579.8 | 596.6 | 623.3 | 632.0 | 594.4 |
| 17.5° | 516.2 | 517.6 | 493.6 | 488.0 | 515.8 | 539.9 | 582.6 | 596.4 | 599.0 | 675.0 | 629.2 |
| 20° | 504.0 | 515.9 | 487.3 | 452.1 | 495.2 | 528.0 | 571.3 | 567.0 | 584.6 | 687.7 | 637.1 |
| 22.5° | 536.5 | 519.5 | 482.8 | 456.3 | 470.9 | 500.7 | 537.4 | 565.8 | 592.2 | 657.4 | 647.3 |
| 25° | 539.6 | 533.4 | 500.7 | 477.2 | 474.7 | 482.3 | 533.4 | 551.7 | 593.2 | 684.6 | 638.7 |
| 27.5° | 574.4 | 567.3 | 500.4 | 502.8 | 479.5 | 456.2 | 513.9 | 556.8 | 610.0 | 668.1 | 657.1 |
| 30° | 619.3 | 619.9 | 533.7 | 541.0 | 507.9 | 470.2 | 529.8 | 541.6 | 621.5 | 694.5 | 670.7 |
| 32.5° | 664.8 | 683.5 | 599.5 | 561.0 | 550.6 | 523.7 | 510.0 | 564.4 | 608.9 | 739.7 | 704.8 |
| 35° | 734.0 | 746.7 | 653.7 | 619.2 | 578.4 | 547.8 | 563.9 | 583.4 | 654.0 | 799.6 | 749.5 |
| 37.5° | 851.2 | 828.3 | 750.9 | 690.8 | 681.1 | 635.9 | 643.9 | 626.4 | 700.0 | 870.2 | 838.0 |
| 40° | 917.1 | 896.4 | 815.9 | 786.6 | 724.4 | 731.4 | 706.0 | 716.2 | 766.7 | 943.7 | 918.7 |
| 42.5° | 985.8 | 966.0 | 895.5 | 874.7 | 815.4 | 786.6 | 775.2 | 811.9 | 869.0 | 1066.2 | 1034.3 |
| 45° | 1054.9 | 1004.6 | 974.7 | 985.1 | 958.5 | 901.5 | 888.2 | 920.8 | 980.7 | 1216.6 | 1156.3 |
| 47.5° | 1113.1 | 1070.7 | 1048.2 | 1043.4 | 1033.1 | 1112.2 | 1058.0 | 1072.4 | 1098.8 | 1349.8 | 1308.3 |
| 50° | 1218.0 | 1176.2 | 1141.1 | 1131.4 | 1181.8 | 1294.0 | 1210.4 | 1182.6 | 1235.5 | 1510.6 | 1484.4 |
| 52.5° | 1369.6 | 1316.3 | 1260.4 | 1260.6 | 1355.8 | 1417.4 | 1457.0 | 1408.1 | 1418.0 | 1687.5 | 1675.9 |
| 55° | 1491.4 | 1423.7 | 1377.5 | 1414.0 | 1555.9 | 1590.5 | 1741.7 | 1698.8 | 1686.0 | 1851.6 | 1837.3 |
| 57.5° | 1508.1 | 1427.0 | 1405.0 | 1469.1 | 1663.4 | 1883.8 | 2046.5 | 1939.3 | 1919.7 | 1988.9 | 2017.2 |
| 60° | 1352.1 | 1266.0 | 1282.6 | 1385.7 | 1698.3 | 2062.6 | 2326.3 | 2238.9 | 2114.0 | 2149.7 | 2169.2 |
| 62.5° | 1008.4 | 939.7 | 986.2 | 1122.7 | 1563.5 | 2182.4 | 2650.3 | 2690.8 | 2339.3 | 2270.4 | 2266.3 |
| 65° | 654.3 | 611.3 | 641.8 | 753.7 | 1183.2 | 2168.7 | 2939.7 | 3115.6 | 2516.9 | 2368.9 | 2296.8 |
| 67.5° | 432.8 | 400.1 | 404.5 | 470.7 | 765.1 | 1763.8 | 3112.8 | 3325.3 | 2716.5 | 2424.8 | 2122.0 |
| 70° | 322.6 | 296.9 | 298.4 | 334.3 | 454.2 | 1163.2 | 2871.5 | 3159.9 | 2789.4 | 2231.1 | 1712.7 |
| 72.5° | 232.6 | 215.5 | 229.9 | 269.8 | 361.9 | 615.1 | 2140.3 | 2602.3 | 2432.4 | 1759.8 | 1154.0 |
| 75° | 161.1 | 149.8 | 173.4 | 225.7 | 330.3 | 381.9 | 1414.3 | 1873.3 | 1704.8 | 1104.1 | 521.6 |
| 77.5° | 89.3 | 85.9 | 119.8 | 183.9 | 299.8 | 313.0 | 866.4 | 1230.9 | 945.6 | 395.8 | 124.1 |
| 80° | 39.0 | 37.8 | 58.0 | 138.1 | 252.0 | 282.8 | 487.7 | 682.5 | 372.0 | 70.6 | 40.1 |
| 82.5° | 16.7 | 16.1 | 24.8 | 83.1 | 183.1 | 236.5 | 300.8 | 328.5 | 128.0 | 21.8 | 22.8 |
| 85° | 2.9 | 3.3 | 9.9 | 43.8 | 111.4 | 120.1 | 217.8 | 194.4 | 64.4 | 10.4 | 16.3 |
| 87.5° | 0.0 | 0.0 | 1.5 | 8.5 | 20.9 | 34.4 | 94.4 | 68.1 | 12.2 | 3.4 | 2.8 |
| 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: PMM-SA1B-722-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 |
| 2.5° | 372.7 | 364.1 | 331.1 | 326.9 | 322.4 | 315.8 | 313.3 | 299.1 | 297.2 | 315.5 | 315.5 |
| 5° | 463.9 | 432.9 | 401.5 | 376.8 | 354.6 | 324.0 | 315.3 | 306.3 | 299.1 | 297.2 | 302.9 |
| 7.5° | 512.0 | 474.3 | 424.9 | 361.9 | 310.8 | 266.4 | 247.8 | 234.8 | 220.3 | 224.6 | 226.9 |
| 10° | 509.4 | 469.3 | 406.3 | 325.4 | 268.7 | 219.6 | 172.4 | 144.9 | 129.6 | 122.0 | 121.0 |
| 12.5° | 535.3 | 497.5 | 393.8 | 296.3 | 224.0 | 156.2 | 108.5 | 88.8 | 77.5 | 77.7 | 76.8 |
| 15° | 550.3 | 509.1 | 379.2 | 259.4 | 157.7 | 100.5 | 75.2 | 70.9 | 69.3 | 71.0 | 70.1 |
| 17.5° | 576.7 | 521.3 | 346.3 | 204.5 | 108.5 | 75.8 | 69.2 | 67.5 | 69.5 | 73.1 | 72.1 |
| 20° | 574.7 | 500.1 | 299.4 | 144.1 | 80.2 | 68.3 | 65.5 | 62.8 | 67.0 | 70.7 | 70.1 |
| 22.5° | 572.9 | 479.4 | 255.2 | 106.3 | 67.0 | 62.2 | 59.9 | 58.8 | 61.0 | 65.3 | 66.2 |
| 25° | 556.5 | 469.2 | 210.5 | 79.9 | 60.7 | 56.5 | 55.4 | 54.5 | 55.3 | 58.8 | 58.7 |
| 27.5° | 576.6 | 443.3 | 162.5 | 67.0 | 56.2 | 51.2 | 50.3 | 48.8 | 47.2 | 50.3 | 50.8 |
| 30° | 572.4 | 446.9 | 127.4 | 59.0 | 51.7 | 45.0 | 45.4 | 42.1 | 39.3 | 42.1 | 42.1 |
| 32.5° | 587.6 | 420.9 | 102.0 | 53.6 | 47.2 | 42.4 | 38.5 | 35.1 | 33.1 | 34.8 | 35.1 |
| 35° | 609.7 | 422.0 | 79.9 | 50.2 | 43.3 | 37.8 | 33.1 | 29.7 | 27.9 | 28.6 | 29.1 |
| 37.5° | 683.9 | 414.5 | 66.7 | 47.5 | 41.9 | 35.0 | 30.2 | 25.7 | 24.5 | 25.4 | 25.8 |
| 40° | 732.2 | 434.3 | 58.8 | 46.1 | 38.4 | 32.2 | 25.8 | 22.6 | 21.5 | 22.0 | 22.8 |
| 42.5° | 823.2 | 445.3 | 55.0 | 44.6 | 35.1 | 27.6 | 22.1 | 20.3 | 18.7 | 19.3 | 20.0 |
| 45° | 920.5 | 464.1 | 52.0 | 42.9 | 32.7 | 24.1 | 19.5 | 18.0 | 15.9 | 16.1 | 16.7 |
| 47.5° | 1040.2 | 508.6 | 48.6 | 39.9 | 29.3 | 22.0 | 17.3 | 15.0 | 13.2 | 13.0 | 13.8 |
| 50° | 1200.9 | 568.2 | 45.5 | 36.2 | 27.1 | 20.1 | 15.2 | 12.2 | 10.7 | 10.2 | 10.8 |
| 52.5° | 1372.4 | 645.3 | 42.3 | 33.6 | 24.5 | 17.6 | 13.0 | 9.9 | 8.5 | 8.2 | 8.7 |
| 55° | 1542.3 | 719.3 | 39.2 | 31.9 | 21.7 | 15.2 | 11.0 | 8.2 | 7.0 | 6.7 | 7.0 |
| 57.5° | 1736.0 | 799.3 | 35.1 | 28.5 | 19.0 | 13.2 | 9.1 | 6.8 | 5.7 | 5.4 | 5.6 |
| 60° | 1881.8 | 827.5 | 31.7 | 24.8 | 16.6 | 11.6 | 7.7 | 5.4 | 4.6 | 4.3 | 4.5 |
| 62.5° | 1951.0 | 781.5 | 28.5 | 21.5 | 14.6 | 10.1 | 6.5 | 4.5 | 3.9 | 3.6 | 3.6 |
| 65° | 1933.0 | 679.7 | 25.2 | 18.4 | 12.5 | 8.4 | 5.1 | 3.9 | 3.4 | 2.9 | 2.8 |
| 67.5° | 1725.6 | 531.9 | 21.5 | 15.5 | 10.5 | 6.8 | 4.3 | 3.7 | 3.1 | 2.8 | 2.3 |
| 70° | 1368.5 | 385.1 | 17.5 | 12.8 | 8.8 | 5.6 | 3.4 | 3.4 | 2.9 | 2.8 | 2.2 |
| 72.5° | 897.0 | 242.4 | 14.2 | 10.4 | 7.3 | 4.3 | 2.6 | 3.1 | 2.8 | 2.8 | 2.0 |
| 75° | 388.7 | 86.7 | 11.5 | 8.4 | 6.0 | 2.9 | 2.3 | 2.8 | 2.9 | 2.8 | 2.3 |
| 77.5° | 91.0 | 26.9 | 9.0 | 6.7 | 5.0 | 2.0 | 2.3 | 2.8 | 2.9 | 2.6 | 2.0 |
| 80° | 34.2 | 11.5 | 5.9 | 4.3 | 3.9 | 1.2 | 2.0 | 1.7 | 1.5 | 1.1 | 0.3 |
| 82.5° | 20.7 | 4.8 | 3.1 | 2.2 | 1.9 | 0.3 | 0.9 | 0.6 | 0.3 | 0.3 | 0.0 |
| 85° | 14.7 | 2.3 | 1.7 | 1.5 | 0.9 | 0.0 | 0.2 | 0.0 | 0.0 | 0.2 | 0.0 |
| 87.5° | 2.0 | 0.6 | 0.8 | 0.8 | 0.6 | 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 |

(END OF REPORT)