

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: P597938

Luminaire Tested: **PMM-SA1C-827-U-SLL**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P597938
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA1C-827-U-SLL
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3950 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

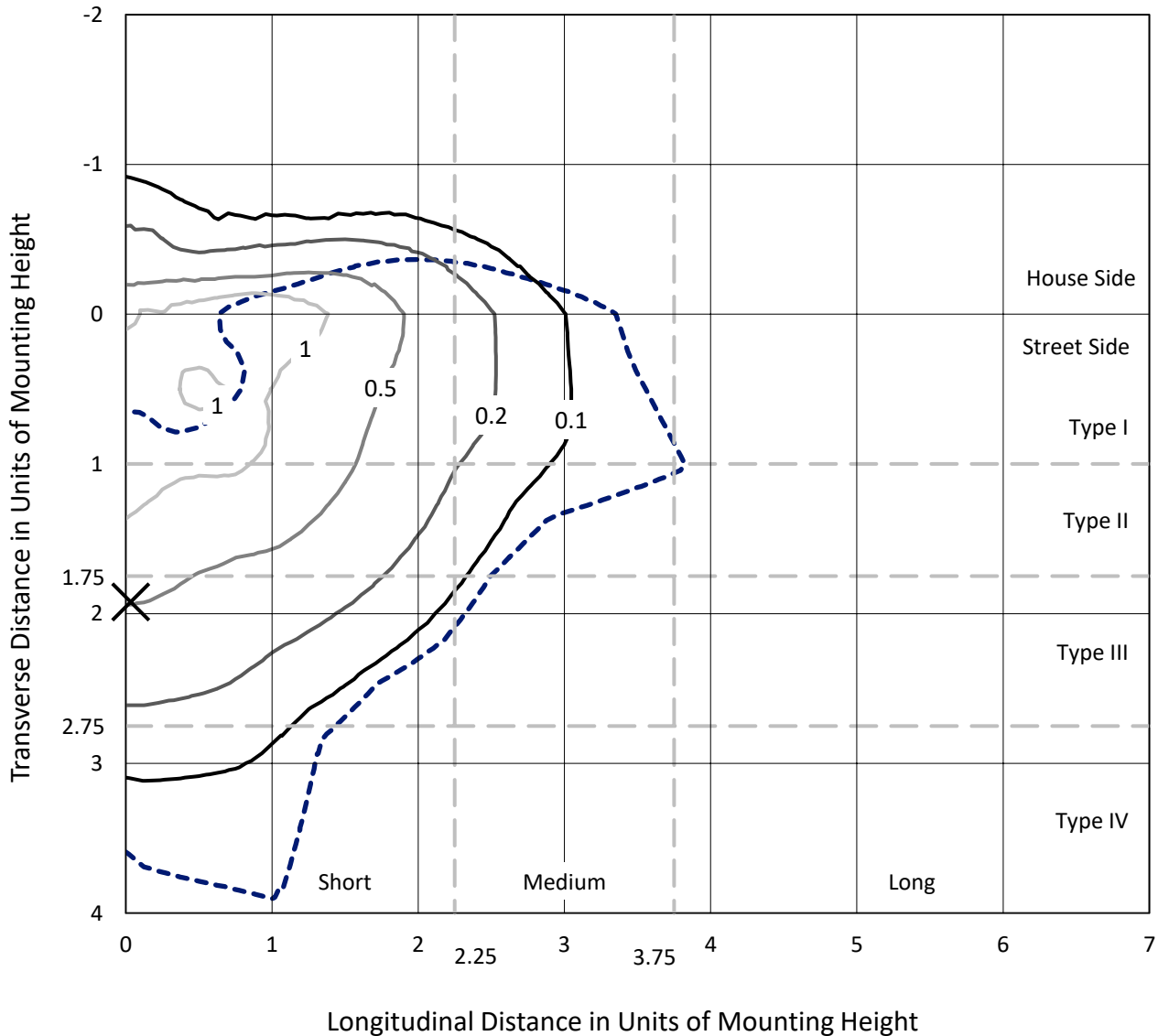
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

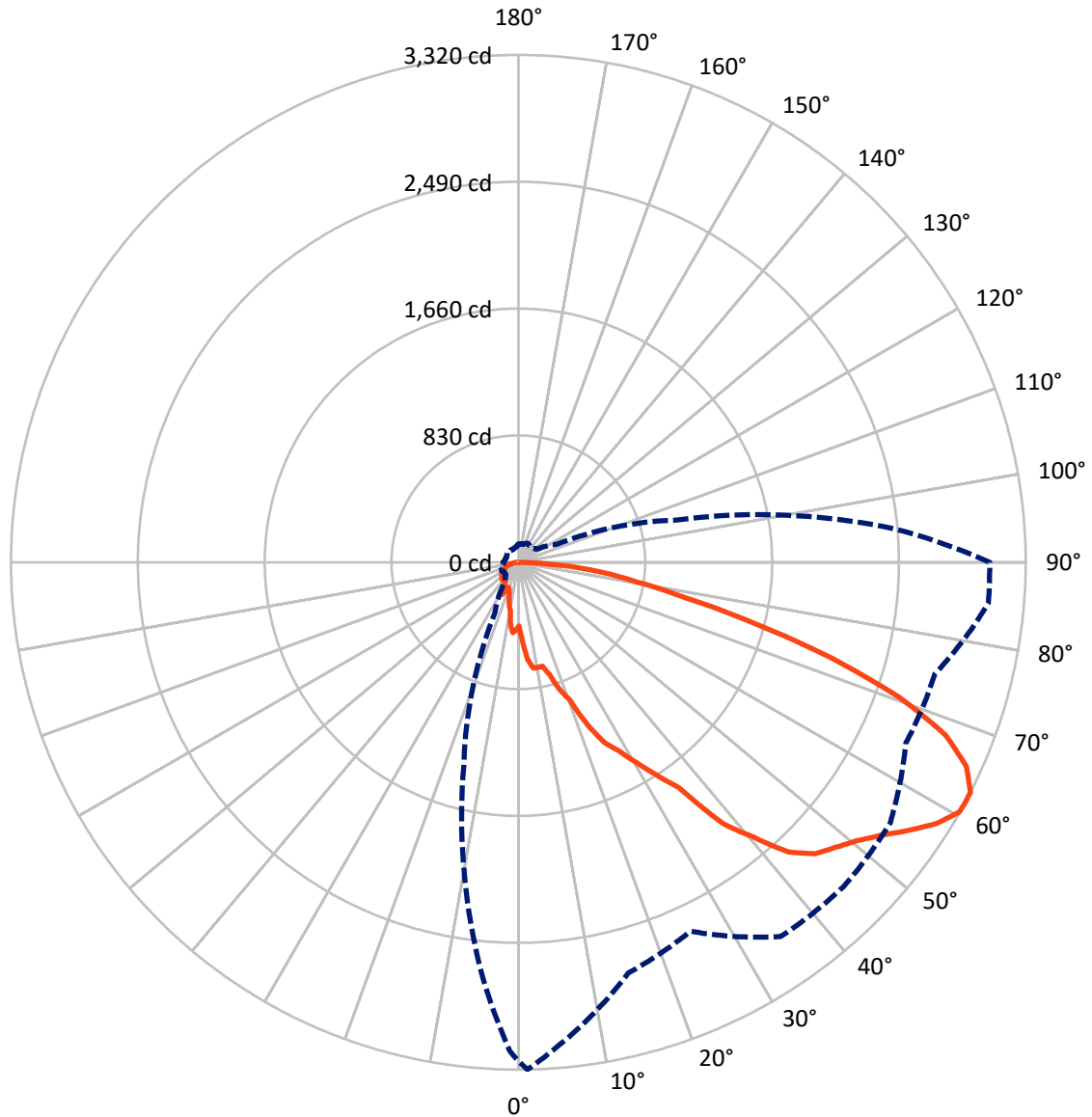
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 1-Deg Lateral - - Horizontal Cone Through 62.5-Deg Vertical

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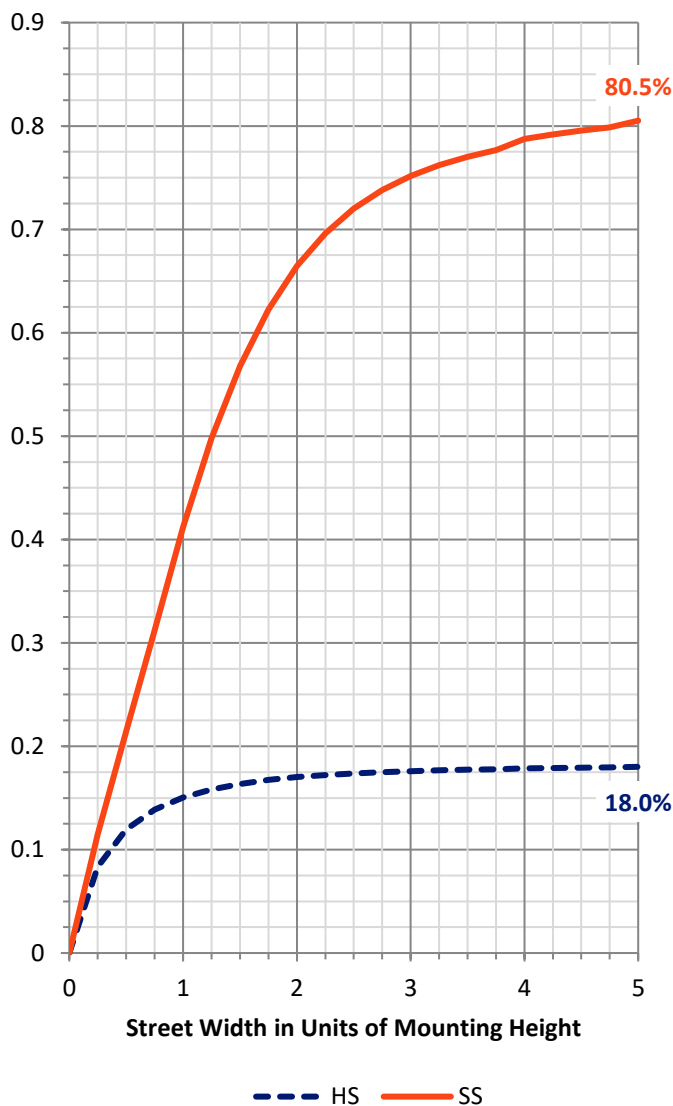
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 719.3 | 0.0 | 719.3 |
| | % Fixture | 18.2 | 0.0 | 18.2 |
| Street Side | Lumens | 3230.7 | 0.0 | 3230.7 |
| | % Fixture | 81.8 | 0.0 | 81.8 |
| Total | Lumens | 3950.0 | 0.0 | 3950.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 47.7 | 1.2 |
| 10°-20° | 138.8 | 3.5 |
| 20°-30° | 245.0 | 6.2 |
| 30°-40° | 381.6 | 9.7 |
| 40°-50° | 628.3 | 15.9 |
| 50°-60° | 896.7 | 22.7 |
| 60°-70° | 950.9 | 24.1 |
| 70°-80° | 525.2 | 13.3 |
| 80°-90° | 135.9 | 3.4 |
| 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° | 3950.0 | 100.0 |
| 0°-180° | 3950.0 | 100.0 |

Coefficient of Utilization



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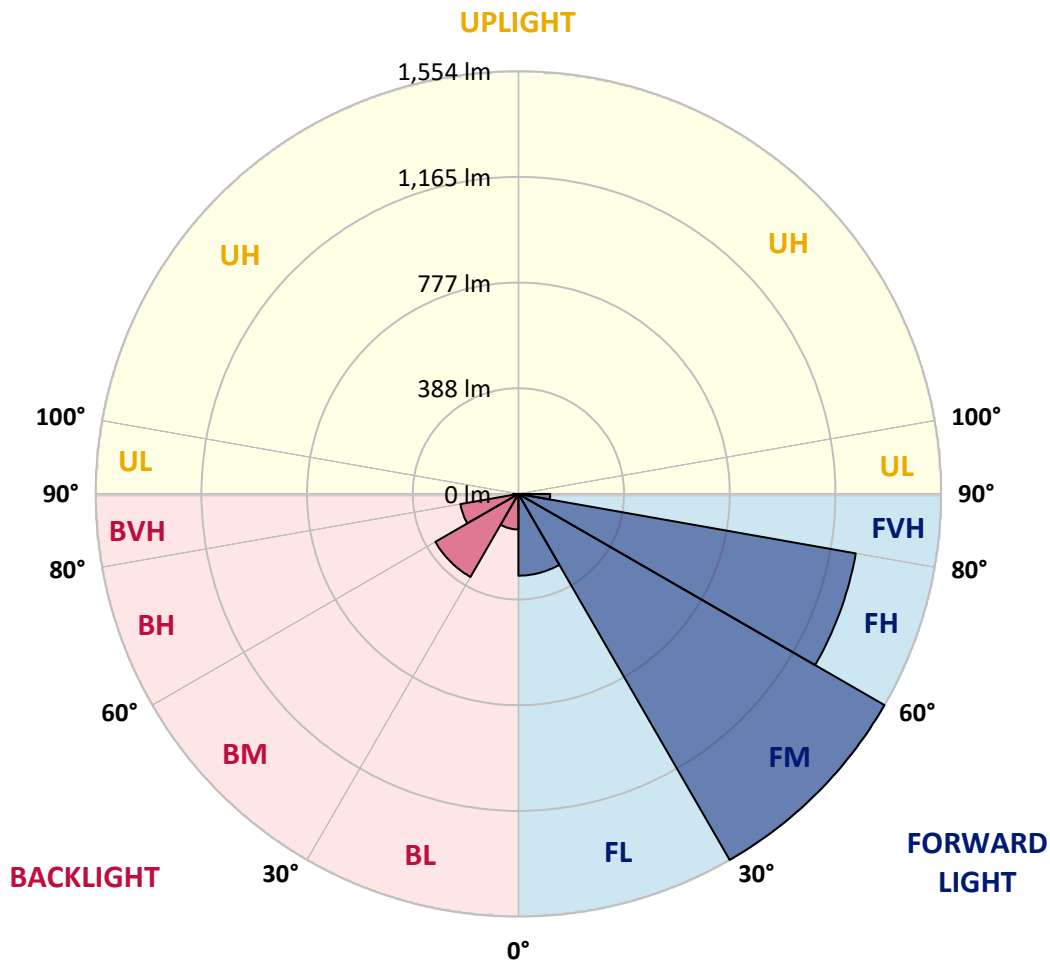
CATALOG NUMBER: PMM-SA1C-827-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 300.7 | 7.6 | | | |
| FM (30°-60°) | 1554.0 | 39.3 | | | |
| FH (60°-80°) | 1259.4 | 31.9 | | | G1/1800 |
| FVH (80°-90°) | 116.7 | 3.0 | | | G2/225 |
| BL (0°-30°) | 130.8 | 3.3 | B1/500 | | |
| BM (30°-60°) | 352.6 | 8.9 | B1/1000 | | |
| BH (60°-80°) | 216.7 | 5.5 | B1/500 | | G1/500 |
| BVH (80°-90°) | 19.2 | 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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 |
| 2.5° | 512.2 | 516.6 | 507.6 | 497.4 | 455.4 | 495.9 | 483.8 | 506.2 | 498.9 | 450.3 | 539.4 |
| 5° | 632.9 | 641.0 | 632.2 | 662.6 | 664.6 | 672.4 | 599.8 | 645.0 | 629.3 | 625.3 | 670.3 |
| 7.5° | 691.2 | 699.4 | 721.9 | 776.1 | 818.5 | 780.1 | 737.8 | 728.4 | 716.1 | 684.1 | 711.3 |
| 10° | 694.8 | 699.4 | 729.5 | 844.5 | 865.1 | 892.3 | 864.9 | 800.3 | 773.6 | 704.0 | 683.3 |
| 12.5° | 683.9 | 698.3 | 737.2 | 877.3 | 938.3 | 968.0 | 974.7 | 902.8 | 837.5 | 758.1 | 747.6 |
| 15° | 757.3 | 762.5 | 818.3 | 900.7 | 942.7 | 967.8 | 989.7 | 945.4 | 924.9 | 862.0 | 777.5 |
| 17.5° | 862.6 | 876.9 | 922.6 | 953.0 | 981.4 | 986.2 | 968.2 | 950.9 | 918.3 | 1002.3 | 912.4 |
| 20° | 933.9 | 961.7 | 1017.6 | 1023.4 | 963.8 | 974.3 | 971.8 | 973.0 | 954.4 | 1109.6 | 1060.2 |
| 22.5° | 1122.5 | 1152.6 | 1160.2 | 1126.9 | 1014.6 | 966.5 | 976.0 | 1003.8 | 1077.1 | 1210.1 | 1266.1 |
| 25° | 1293.3 | 1305.0 | 1374.9 | 1289.1 | 1110.0 | 1005.2 | 989.5 | 1061.3 | 1180.8 | 1379.1 | 1419.0 |
| 27.5° | 1382.4 | 1397.5 | 1444.1 | 1257.2 | 1121.9 | 955.3 | 918.5 | 1028.0 | 1149.7 | 1299.6 | 1474.6 |
| 30° | 1496.5 | 1520.6 | 1584.1 | 1289.1 | 1157.8 | 987.9 | 906.5 | 1011.1 | 1145.7 | 1351.7 | 1592.3 |
| 32.5° | 1614.0 | 1660.9 | 1708.1 | 1401.2 | 1152.8 | 1037.8 | 983.7 | 992.1 | 1182.1 | 1461.0 | 1714.2 |
| 35° | 1769.6 | 1811.0 | 1851.6 | 1466.0 | 1253.2 | 1079.4 | 1025.7 | 1115.0 | 1275.6 | 1587.7 | 1884.2 |
| 37.5° | 2102.4 | 2167.9 | 2060.8 | 1650.4 | 1362.5 | 1266.8 | 1170.0 | 1222.9 | 1374.5 | 1693.3 | 2162.0 |
| 40° | 2314.4 | 2363.6 | 2260.1 | 1775.9 | 1554.9 | 1393.1 | 1377.2 | 1381.6 | 1510.8 | 1783.8 | 2348.9 |
| 42.5° | 2525.0 | 2591.7 | 2427.1 | 1948.2 | 1787.6 | 1654.0 | 1572.0 | 1566.4 | 1663.4 | 1946.3 | 2561.4 |
| 45° | 2682.2 | 2721.5 | 2484.4 | 2093.5 | 2037.2 | 1938.1 | 1876.6 | 1779.0 | 1863.9 | 2058.8 | 2692.9 |
| 47.5° | 2757.0 | 2789.0 | 2576.6 | 2178.1 | 2199.0 | 2204.1 | 2315.1 | 2148.7 | 2039.1 | 2134.9 | 2761.9 |
| 50° | 2850.3 | 2865.4 | 2630.8 | 2252.4 | 2352.7 | 2580.0 | 2606.7 | 2324.7 | 2209.7 | 2217.9 | 2802.8 |
| 52.5° | 2961.9 | 2968.2 | 2710.0 | 2338.3 | 2508.2 | 2827.3 | 2786.1 | 2623.0 | 2372.1 | 2369.6 | 2879.6 |
| 55° | 3102.2 | 3098.3 | 2809.3 | 2453.9 | 2619.1 | 2974.3 | 2943.1 | 2824.2 | 2549.0 | 2495.1 | 2999.2 |
| 57.5° | 3227.0 | 3224.7 | 2941.0 | 2560.3 | 2712.5 | 3049.8 | 3059.0 | 3027.6 | 2669.4 | 2585.0 | 3128.8 |
| 60° | 3288.1 | 3317.4 | 3090.9 | 2676.6 | 2718.4 | 3084.0 | 3087.4 | 3037.4 | 2803.9 | 2700.4 | 3163.3 |
| 62.5° | 3264.3 | 3320.1 | 3164.5 | 2781.3 | 2663.8 | 2990.8 | 3005.2 | 2970.7 | 2797.8 | 2821.5 | 3086.3 |
| 65° | 3156.2 | 3220.6 | 3100.6 | 2837.1 | 2630.3 | 2834.8 | 2838.4 | 2751.2 | 2710.2 | 2901.9 | 2905.7 |
| 67.5° | 2953.4 | 3013.8 | 2897.5 | 2748.1 | 2400.6 | 2414.2 | 2495.5 | 2502.6 | 2442.8 | 2841.3 | 2652.1 |
| 70° | 2598.4 | 2641.0 | 2568.1 | 2528.5 | 2006.5 | 1926.8 | 2015.0 | 2052.7 | 2079.9 | 2622.6 | 2347.7 |
| 72.5° | 2057.1 | 2139.4 | 2150.9 | 2176.7 | 1615.5 | 1482.7 | 1548.0 | 1492.0 | 1669.4 | 2232.1 | 1918.2 |
| 75° | 1521.9 | 1591.3 | 1665.9 | 1810.2 | 1273.3 | 1110.0 | 1102.0 | 1073.4 | 1239.0 | 1795.1 | 1422.7 |
| 77.5° | 1075.5 | 1119.8 | 1177.1 | 1446.0 | 960.9 | 854.9 | 859.9 | 830.9 | 894.8 | 1356.7 | 982.8 |
| 80° | 770.9 | 794.1 | 820.8 | 952.7 | 708.8 | 737.6 | 738.4 | 710.9 | 665.3 | 921.4 | 655.9 |
| 82.5° | 549.4 | 567.4 | 597.9 | 628.3 | 528.5 | 604.6 | 604.0 | 602.3 | 527.5 | 622.8 | 410.4 |
| 85° | 305.9 | 330.1 | 383.0 | 492.2 | 381.6 | 432.2 | 380.1 | 418.6 | 387.2 | 414.6 | 207.8 |
| 87.5° | 21.5 | 19.2 | 85.7 | 285.2 | 178.1 | 130.2 | 68.2 | 135.1 | 173.3 | 216.6 | 28.9 |
| 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-SA1C-827-U-SLL

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 |
| 2.5° | 557.8 | 564.5 | 538.2 | 498.8 | 509.5 | 497.8 | 483.0 | 460.0 | 412.7 | 442.0 | 442.2 |
| 5° | 669.9 | 644.4 | 623.9 | 604.6 | 572.0 | 522.7 | 516.2 | 476.7 | 454.5 | 466.2 | 464.4 |
| 7.5° | 705.0 | 668.8 | 637.9 | 568.7 | 508.3 | 431.9 | 408.9 | 385.5 | 375.7 | 404.1 | 415.4 |
| 10° | 666.5 | 628.7 | 598.4 | 514.3 | 473.3 | 425.5 | 362.3 | 329.9 | 310.7 | 318.2 | 322.6 |
| 12.5° | 697.5 | 659.0 | 563.7 | 516.8 | 449.1 | 420.0 | 364.6 | 317.0 | 288.7 | 295.6 | 287.3 |
| 15° | 727.4 | 675.5 | 580.2 | 486.7 | 431.9 | 389.7 | 344.8 | 295.8 | 262.4 | 250.5 | 244.2 |
| 17.5° | 836.7 | 750.4 | 578.3 | 469.8 | 406.9 | 358.4 | 304.4 | 250.7 | 228.5 | 216.2 | 205.7 |
| 20° | 969.9 | 849.7 | 588.7 | 452.4 | 380.5 | 319.3 | 260.5 | 210.7 | 195.1 | 187.1 | 184.2 |
| 22.5° | 1128.4 | 977.0 | 647.9 | 449.9 | 355.6 | 290.8 | 236.3 | 205.3 | 187.8 | 179.0 | 175.4 |
| 25° | 1254.4 | 1108.7 | 691.6 | 466.7 | 354.2 | 267.2 | 221.8 | 228.1 | 220.1 | 222.7 | 201.5 |
| 27.5° | 1376.7 | 1144.5 | 667.1 | 459.3 | 318.6 | 225.4 | 218.3 | 231.6 | 238.5 | 240.6 | 239.8 |
| 30° | 1480.0 | 1296.0 | 672.4 | 417.1 | 269.1 | 183.6 | 167.1 | 173.7 | 192.6 | 222.7 | 228.5 |
| 32.5° | 1631.2 | 1368.4 | 718.2 | 391.6 | 240.6 | 164.3 | 145.9 | 143.4 | 147.8 | 158.7 | 168.1 |
| 35° | 1808.1 | 1535.2 | 731.1 | 384.9 | 220.8 | 155.6 | 142.8 | 137.1 | 139.4 | 147.6 | 149.5 |
| 37.5° | 2138.0 | 1656.7 | 778.6 | 376.7 | 213.5 | 150.5 | 140.5 | 138.4 | 143.4 | 150.1 | 153.9 |
| 40° | 2319.9 | 1875.2 | 780.9 | 369.6 | 204.1 | 148.4 | 142.0 | 141.1 | 144.1 | 153.3 | 155.6 |
| 42.5° | 2562.4 | 1999.8 | 816.9 | 361.3 | 200.9 | 151.2 | 145.1 | 144.7 | 147.4 | 152.8 | 157.0 |
| 45° | 2710.2 | 2083.2 | 818.9 | 356.5 | 200.1 | 163.9 | 149.1 | 147.8 | 147.2 | 150.5 | 154.3 |
| 47.5° | 2805.4 | 2203.4 | 842.2 | 351.2 | 204.7 | 167.1 | 153.9 | 148.2 | 146.3 | 147.6 | 150.5 |
| 50° | 2895.7 | 2299.4 | 886.5 | 350.4 | 209.5 | 163.9 | 162.4 | 148.0 | 144.1 | 143.6 | 145.7 |
| 52.5° | 3006.5 | 2457.4 | 941.2 | 357.7 | 208.4 | 159.1 | 168.7 | 147.2 | 140.3 | 139.0 | 141.1 |
| 55° | 3167.7 | 2626.6 | 999.2 | 351.5 | 196.5 | 149.9 | 162.5 | 146.6 | 136.3 | 133.8 | 135.7 |
| 57.5° | 3272.2 | 2723.6 | 1064.2 | 346.4 | 178.5 | 143.0 | 157.0 | 147.0 | 136.7 | 131.1 | 132.3 |
| 60° | 3237.5 | 2671.5 | 1089.7 | 314.7 | 161.4 | 137.6 | 143.8 | 144.0 | 133.2 | 128.0 | 129.0 |
| 62.5° | 3084.2 | 2482.7 | 1065.9 | 277.9 | 148.7 | 130.0 | 130.2 | 138.2 | 123.3 | 119.6 | 121.1 |
| 65° | 2869.9 | 2247.8 | 969.7 | 254.0 | 142.8 | 121.9 | 118.8 | 121.3 | 109.8 | 107.1 | 110.2 |
| 67.5° | 2606.9 | 1958.4 | 826.5 | 228.7 | 140.7 | 111.0 | 107.3 | 106.4 | 99.1 | 96.0 | 99.1 |
| 70° | 2277.0 | 1639.8 | 660.7 | 210.8 | 132.6 | 99.1 | 96.2 | 95.3 | 89.1 | 86.8 | 89.5 |
| 72.5° | 1830.2 | 1280.4 | 509.9 | 197.2 | 123.8 | 88.2 | 85.7 | 84.5 | 79.4 | 76.1 | 79.4 |
| 75° | 1301.7 | 978.5 | 378.8 | 176.3 | 111.4 | 77.1 | 74.2 | 72.6 | 67.9 | 64.8 | 67.7 |
| 77.5° | 925.1 | 734.5 | 264.5 | 145.9 | 91.8 | 65.2 | 63.4 | 61.0 | 56.7 | 53.1 | 56.0 |
| 80° | 683.9 | 524.8 | 170.6 | 112.5 | 70.2 | 52.1 | 51.2 | 49.5 | 45.4 | 41.0 | 43.1 |
| 82.5° | 450.3 | 378.4 | 97.8 | 76.3 | 51.0 | 37.6 | 38.3 | 37.2 | 33.4 | 28.8 | 29.9 |
| 85° | 201.6 | 224.1 | 51.9 | 42.0 | 33.2 | 22.6 | 24.7 | 24.0 | 21.1 | 16.7 | 17.1 |
| 87.5° | 19.4 | 37.8 | 15.9 | 15.3 | 12.3 | 7.1 | 8.8 | 7.5 | 6.3 | 4.0 | 3.1 |
| 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-SA1C-827-U-SLL

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 | 416.5 |
| 2.5° | 448.9 | 421.9 | 394.9 | 411.3 | 411.7 | 416.1 | 416.7 | 400.4 | 413.5 | 423.4 | 433.8 |
| 5° | 456.0 | 438.4 | 439.3 | 423.4 | 414.8 | 425.9 | 423.6 | 419.2 | 427.1 | 438.0 | 451.2 |
| 7.5° | 404.6 | 393.1 | 391.2 | 375.9 | 338.7 | 330.5 | 337.4 | 340.2 | 350.8 | 367.6 | 381.8 |
| 10° | 315.9 | 338.7 | 313.0 | 307.1 | 297.3 | 278.1 | 267.0 | 265.7 | 288.1 | 301.7 | 313.6 |
| 12.5° | 284.6 | 278.9 | 275.8 | 259.5 | 259.5 | 239.2 | 232.7 | 238.6 | 273.1 | 282.9 | 298.3 |
| 15° | 242.5 | 238.3 | 224.1 | 216.0 | 212.2 | 203.9 | 210.8 | 216.6 | 248.8 | 249.6 | 265.7 |
| 17.5° | 201.3 | 198.8 | 185.4 | 183.8 | 180.0 | 176.3 | 182.7 | 196.5 | 213.9 | 210.8 | 218.3 |
| 20° | 180.0 | 171.4 | 159.1 | 163.5 | 159.5 | 156.6 | 153.9 | 173.5 | 185.7 | 189.8 | 194.2 |
| 22.5° | 174.6 | 158.9 | 151.6 | 147.6 | 147.8 | 143.2 | 143.8 | 160.1 | 178.6 | 181.1 | 178.5 |
| 25° | 199.5 | 171.6 | 148.0 | 136.3 | 131.9 | 130.3 | 134.8 | 149.1 | 171.6 | 176.9 | 179.0 |
| 27.5° | 233.5 | 186.3 | 152.4 | 132.5 | 123.6 | 124.4 | 130.7 | 140.7 | 167.1 | 176.7 | 179.2 |
| 30° | 224.1 | 175.2 | 152.6 | 129.6 | 118.7 | 122.7 | 125.0 | 134.6 | 163.7 | 178.1 | 190.5 |
| 32.5° | 172.9 | 157.6 | 153.5 | 131.9 | 127.5 | 121.1 | 124.4 | 133.6 | 153.5 | 162.5 | 163.1 |
| 35° | 146.4 | 134.8 | 132.1 | 126.7 | 120.6 | 117.9 | 121.5 | 129.6 | 142.6 | 148.2 | 147.4 |
| 37.5° | 145.3 | 132.5 | 121.9 | 119.6 | 117.1 | 116.4 | 118.5 | 125.9 | 139.2 | 148.9 | 146.8 |
| 40° | 147.2 | 131.3 | 120.6 | 116.5 | 117.5 | 114.1 | 116.2 | 125.4 | 139.7 | 148.9 | 147.0 |
| 42.5° | 144.9 | 130.0 | 118.8 | 115.8 | 116.7 | 111.9 | 114.4 | 124.0 | 138.2 | 149.1 | 145.5 |
| 45° | 140.3 | 126.9 | 117.9 | 112.7 | 117.1 | 110.0 | 113.1 | 120.6 | 133.6 | 145.5 | 141.3 |
| 47.5° | 135.7 | 123.3 | 113.9 | 110.6 | 115.0 | 108.1 | 109.5 | 116.0 | 129.0 | 140.7 | 137.1 |
| 50° | 130.7 | 118.7 | 110.6 | 109.6 | 112.7 | 107.7 | 105.6 | 111.0 | 123.4 | 135.1 | 132.1 |
| 52.5° | 125.4 | 114.8 | 108.3 | 107.9 | 110.8 | 105.2 | 102.2 | 106.4 | 117.5 | 129.2 | 126.7 |
| 55° | 120.2 | 110.6 | 105.4 | 106.4 | 109.6 | 103.1 | 99.3 | 102.0 | 111.2 | 122.7 | 119.2 |
| 57.5° | 115.0 | 105.8 | 101.6 | 104.3 | 106.8 | 100.4 | 95.6 | 97.2 | 104.7 | 116.0 | 111.9 |
| 60° | 110.4 | 101.6 | 97.4 | 100.6 | 102.9 | 96.4 | 90.9 | 91.8 | 98.5 | 108.7 | 105.0 |
| 62.5° | 104.5 | 97.0 | 91.4 | 95.6 | 97.4 | 91.0 | 85.1 | 86.3 | 91.6 | 101.2 | 98.5 |
| 65° | 96.0 | 91.2 | 86.1 | 88.9 | 91.2 | 84.7 | 79.2 | 80.5 | 84.5 | 93.5 | 91.6 |
| 67.5° | 88.7 | 84.1 | 80.7 | 83.0 | 83.4 | 78.4 | 73.4 | 74.2 | 77.4 | 85.9 | 83.8 |
| 70° | 80.7 | 76.3 | 73.6 | 75.3 | 75.1 | 70.9 | 67.1 | 67.3 | 70.0 | 77.6 | 74.8 |
| 72.5° | 71.9 | 67.7 | 66.3 | 67.3 | 66.5 | 62.7 | 59.0 | 60.4 | 62.1 | 67.9 | 65.6 |
| 75° | 62.5 | 58.7 | 57.9 | 58.8 | 57.7 | 54.1 | 50.8 | 52.1 | 53.7 | 58.5 | 55.6 |
| 77.5° | 52.7 | 49.3 | 49.5 | 49.6 | 48.1 | 45.6 | 42.4 | 43.7 | 44.7 | 47.9 | 45.0 |
| 80° | 42.0 | 39.3 | 40.1 | 40.1 | 38.3 | 36.6 | 33.5 | 33.9 | 34.5 | 35.7 | 33.5 |
| 82.5° | 30.7 | 30.7 | 30.7 | 30.9 | 27.2 | 27.8 | 25.1 | 24.9 | 24.3 | 24.2 | 22.8 |
| 85° | 18.2 | 19.0 | 19.4 | 19.9 | 14.8 | 17.3 | 15.0 | 14.4 | 13.2 | 12.1 | 11.7 |
| 87.5° | 4.0 | 5.2 | 5.2 | 5.0 | 0.0 | 1.9 | 1.0 | 1.5 | 0.4 | 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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| 27.5° | 172.7 | 177.7 | 182.3 | 200.1 | 291.7 | 467.9 | 748.1 | 1204.5 | 1362.5 | 1382.4 |
| 30° | 188.2 | 196.3 | 185.7 | 191.9 | 263.9 | 438.2 | 781.7 | 1316.9 | 1462.9 | 1496.5 |
| 32.5° | 156.6 | 153.5 | 152.6 | 166.0 | 236.2 | 411.3 | 852.0 | 1475.0 | 1571.8 | 1614.0 |
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| 37.5° | 140.7 | 135.1 | 137.6 | 149.1 | 227.3 | 414.4 | 954.8 | 1816.0 | 2047.0 | 2102.4 |
| 40° | 139.4 | 136.3 | 137.6 | 146.3 | 222.4 | 418.2 | 991.2 | 1992.5 | 2258.2 | 2314.4 |
| 42.5° | 139.2 | 137.6 | 139.0 | 148.6 | 217.2 | 420.0 | 1041.6 | 2152.0 | 2480.7 | 2525.0 |
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| 47.5° | 135.9 | 140.5 | 148.0 | 149.9 | 205.5 | 426.1 | 1113.3 | 2348.9 | 2705.6 | 2757.0 |
| 50° | 132.5 | 139.9 | 157.9 | 146.1 | 203.9 | 413.1 | 1162.4 | 2443.0 | 2805.6 | 2850.3 |
| 52.5° | 127.9 | 139.0 | 155.6 | 138.6 | 201.3 | 410.8 | 1231.2 | 2565.3 | 2922.4 | 2961.9 |
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| 57.5° | 115.4 | 130.3 | 138.2 | 126.9 | 179.2 | 405.0 | 1409.6 | 2840.5 | 3203.4 | 3227.0 |
| 60° | 110.0 | 129.8 | 123.4 | 122.5 | 163.3 | 384.5 | 1433.4 | 2839.2 | 3251.1 | 3288.1 |
| 62.5° | 104.3 | 122.5 | 113.1 | 116.5 | 149.3 | 363.4 | 1383.0 | 2717.5 | 3199.5 | 3264.3 |
| 65° | 96.8 | 105.0 | 104.5 | 112.3 | 149.7 | 329.1 | 1267.4 | 2502.8 | 3070.9 | 3156.2 |
| 67.5° | 88.0 | 93.0 | 96.2 | 105.4 | 154.5 | 302.5 | 1081.5 | 2244.6 | 2852.0 | 2953.4 |
| 70° | 79.0 | 84.0 | 87.6 | 96.4 | 158.9 | 290.2 | 860.8 | 1881.9 | 2495.5 | 2598.4 |
| 72.5° | 69.8 | 74.9 | 77.8 | 85.5 | 153.0 | 263.9 | 637.1 | 1464.3 | 2003.1 | 2057.1 |
| 75° | 60.2 | 65.2 | 67.5 | 74.6 | 132.8 | 218.3 | 439.9 | 1109.1 | 1467.1 | 1521.9 |
| 77.5° | 50.4 | 55.8 | 56.5 | 62.3 | 101.4 | 167.0 | 282.0 | 850.7 | 1038.9 | 1075.5 |
| 80° | 40.3 | 45.6 | 45.6 | 48.7 | 71.3 | 114.8 | 168.9 | 641.7 | 756.6 | 770.9 |
| 82.5° | 28.9 | 34.7 | 34.3 | 34.5 | 49.3 | 71.1 | 97.8 | 480.9 | 546.7 | 549.4 |
| 85° | 17.1 | 21.1 | 20.9 | 19.2 | 29.1 | 38.3 | 52.9 | 298.6 | 305.2 | 305.9 |
| 87.5° | 3.3 | 5.0 | 4.4 | 1.9 | 8.1 | 11.3 | 15.3 | 55.4 | 22.0 | 21.5 |
| 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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