

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P366893

Luminaire Tested: **PMM-SA1C-730-U-SL4-HSS**

Issue Date: 12/2/2019

Report Generated By 670245982

Test Information

Test Method: LM-79-08
Report Number: P366893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-21)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA1C-730-U-SL4-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4724 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

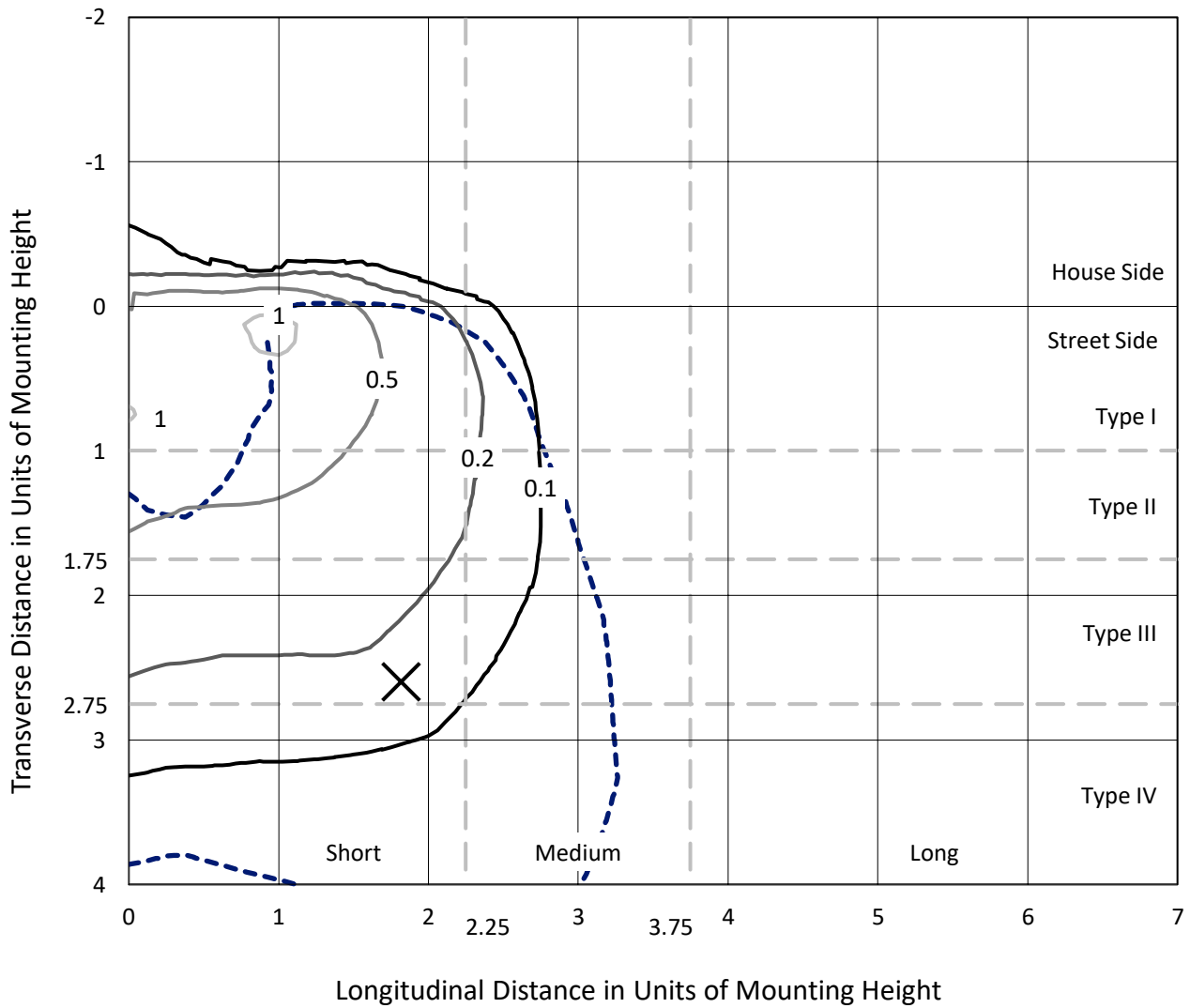
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

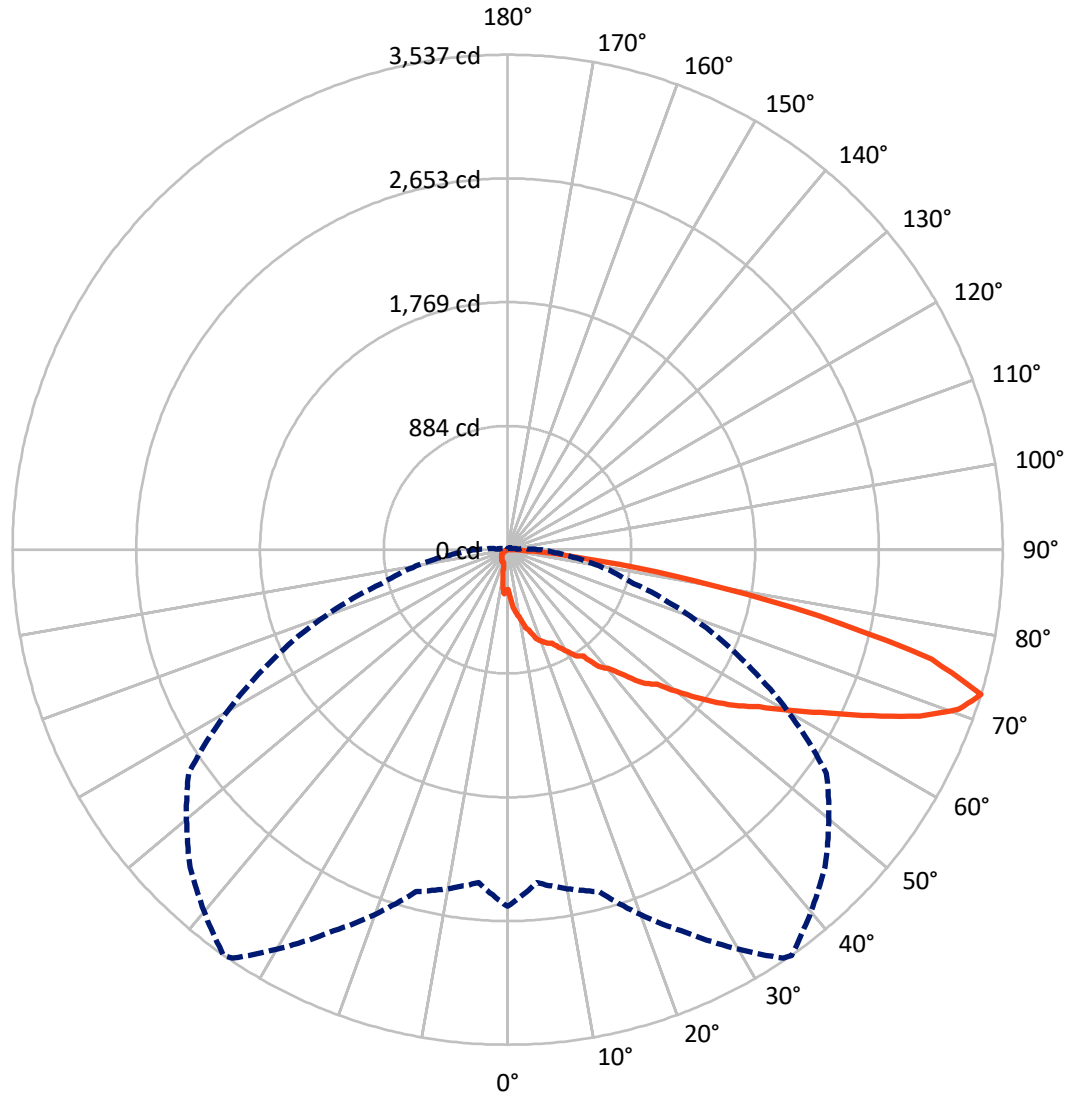
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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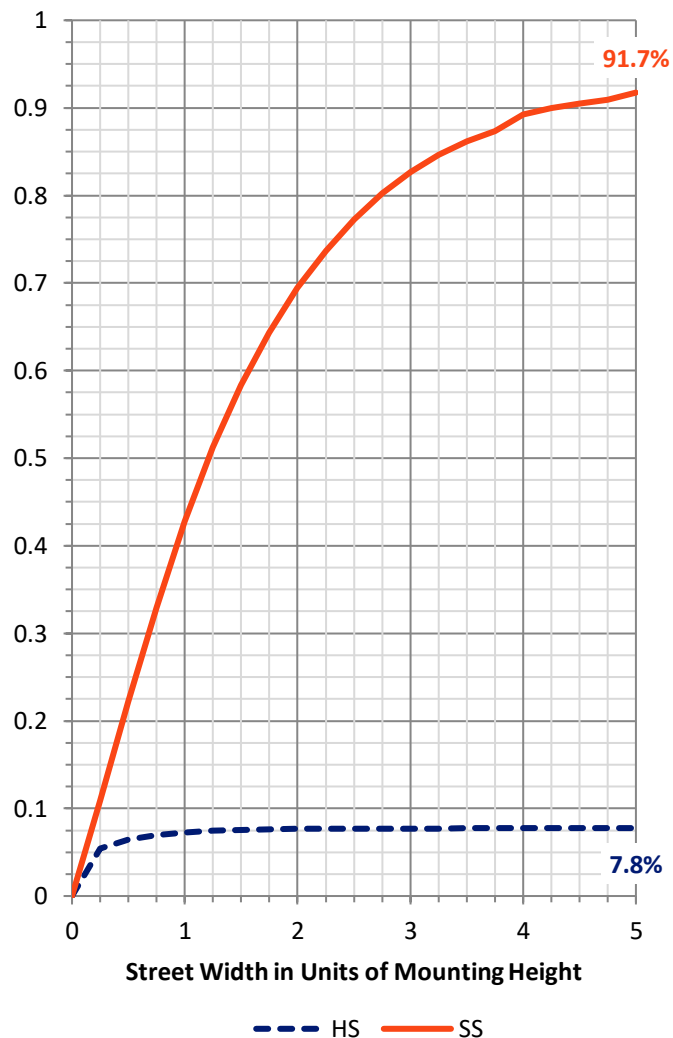
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 368.5 | 0.0 | 368.5 |
| | % Fixture | 7.8 | 0.0 | 7.8 |
| Street Side | Lumens | 4355.5 | 0.0 | 4355.5 |
| | % Fixture | 92.2 | 0.0 | 92.2 |
| Total | Lumens | 4724.0 | 0.0 | 4724.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 35.9 | 0.8 |
| 10°-20° | 120.9 | 2.6 |
| 20°-30° | 220.2 | 4.7 |
| 30°-40° | 379.8 | 8.0 |
| 40°-50° | 675.1 | 14.3 |
| 50°-60° | 1007.4 | 21.3 |
| 60°-70° | 1287.0 | 27.2 |
| 70°-80° | 895.4 | 19.0 |
| 80°-90° | 102.4 | 2.2 |
| 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° | 4724.0 | 100.0 |
| 0°-180° | 4724.0 | 100.0 |

Coefficient of Utilization

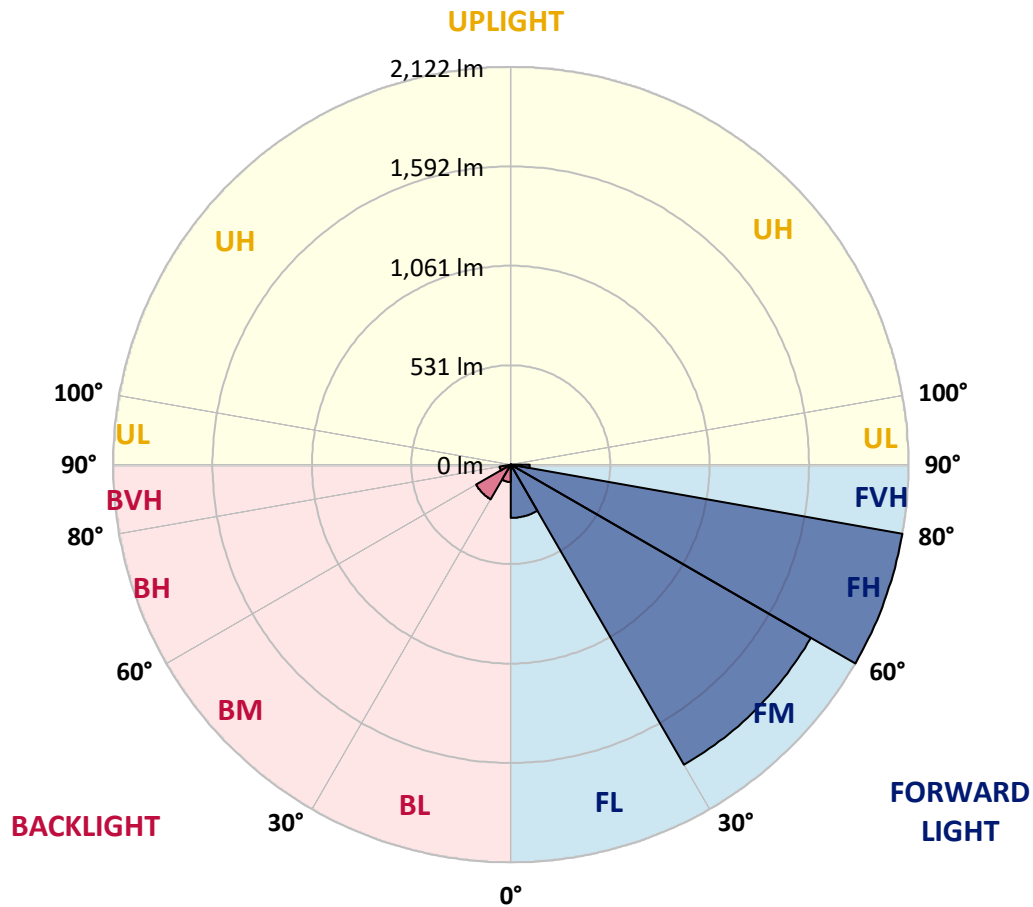


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 284.3 | 6.0 | | | |
| FM (30°-60°) | 1848.5 | 39.1 | | | |
| FH (60°-80°) | 2122.0 | 44.9 | | | G2/5000 |
| FVH (80°-90°) | 100.7 | 2.1 | | | G2/225 |
| BL (0°-30°) | 92.7 | 2.0 | B0/110 | | |
| BM (30°-60°) | 213.7 | 4.5 | B0/220 | | |
| BH (60°-80°) | 60.4 | 1.3 | B0/110 | | G0/110 |
| BVH (80°-90°) | 1.7 | 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-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 34° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 281.4 | 281.4 | 281.4 | 281.4 | 281.4 | 281.4 | 281.4 | 281.4 | 281.4 | 281.4 | 281.4 |
| 2.5° | 358.1 | 344.1 | 321.3 | 323.0 | 333.2 | 335.3 | 338.4 | 330.3 | 323.2 | 310.6 | 335.1 |
| 5° | 458.8 | 438.6 | 425.8 | 421.8 | 415.8 | 416.3 | 401.8 | 407.0 | 405.6 | 414.9 | 426.0 |
| 7.5° | 515.6 | 504.4 | 488.2 | 483.7 | 461.9 | 459.5 | 441.7 | 465.7 | 468.1 | 464.7 | 483.0 |
| 10° | 538.1 | 523.4 | 525.3 | 508.4 | 497.5 | 500.4 | 503.2 | 505.1 | 508.2 | 511.3 | 489.0 |
| 12.5° | 551.4 | 554.0 | 579.9 | 562.3 | 573.3 | 573.3 | 592.5 | 572.1 | 572.8 | 550.5 | 554.3 |
| 15° | 611.3 | 625.7 | 614.1 | 613.9 | 602.0 | 605.1 | 627.4 | 611.3 | 619.6 | 612.9 | 587.3 |
| 17.5° | 686.3 | 689.2 | 667.1 | 657.3 | 668.0 | 668.3 | 658.8 | 658.0 | 629.1 | 678.0 | 646.9 |
| 20° | 710.3 | 726.4 | 695.1 | 657.1 | 701.5 | 699.4 | 698.7 | 687.5 | 639.3 | 707.2 | 681.6 |
| 22.5° | 775.6 | 752.6 | 731.2 | 706.3 | 723.6 | 723.6 | 721.0 | 696.5 | 677.8 | 704.6 | 715.5 |
| 25° | 796.0 | 798.9 | 771.1 | 763.0 | 763.5 | 742.1 | 740.2 | 729.8 | 711.7 | 757.5 | 735.7 |
| 27.5° | 866.3 | 865.1 | 798.4 | 821.0 | 792.2 | 792.5 | 740.0 | 763.5 | 766.6 | 760.2 | 784.6 |
| 30° | 935.4 | 954.7 | 854.0 | 882.5 | 852.3 | 843.3 | 792.0 | 812.9 | 818.3 | 811.0 | 841.8 |
| 32.5° | 1023.5 | 1051.8 | 953.9 | 925.9 | 879.8 | 905.5 | 870.1 | 820.7 | 847.8 | 913.6 | 930.9 |
| 35° | 1116.8 | 1130.6 | 1026.4 | 987.2 | 935.2 | 934.9 | 933.8 | 937.8 | 967.7 | 1041.8 | 1056.5 |
| 37.5° | 1284.5 | 1252.0 | 1157.7 | 1067.9 | 1079.6 | 1053.7 | 1035.6 | 1054.6 | 1085.7 | 1207.8 | 1270.7 |
| 40° | 1378.1 | 1354.6 | 1221.8 | 1168.6 | 1110.9 | 1120.4 | 1169.3 | 1167.2 | 1250.1 | 1377.8 | 1472.1 |
| 42.5° | 1469.0 | 1446.7 | 1316.1 | 1273.1 | 1199.0 | 1224.9 | 1246.3 | 1273.3 | 1443.1 | 1649.3 | 1701.0 |
| 45° | 1550.0 | 1484.5 | 1392.3 | 1394.0 | 1355.5 | 1358.6 | 1396.4 | 1421.3 | 1666.8 | 1878.2 | 1914.5 |
| 47.5° | 1598.9 | 1545.0 | 1456.7 | 1455.0 | 1452.6 | 1438.1 | 1616.0 | 1638.8 | 1845.2 | 2096.2 | 2099.5 |
| 50° | 1667.8 | 1600.3 | 1522.9 | 1524.4 | 1579.2 | 1609.8 | 1822.1 | 1819.8 | 2017.4 | 2278.1 | 2201.4 |
| 52.5° | 1753.5 | 1671.1 | 1585.9 | 1649.3 | 1734.0 | 1783.9 | 1956.3 | 2026.6 | 2202.3 | 2392.3 | 2241.3 |
| 55° | 1863.2 | 1760.2 | 1678.0 | 1759.2 | 1944.2 | 1963.4 | 2087.6 | 2236.1 | 2404.0 | 2508.9 | 2254.1 |
| 57.5° | 1991.9 | 1868.9 | 1802.4 | 1933.3 | 2117.8 | 2118.3 | 2278.8 | 2459.3 | 2527.7 | 2556.4 | 2239.6 |
| 60° | 2130.6 | 1987.2 | 1920.2 | 2038.0 | 2309.2 | 2328.7 | 2491.4 | 2582.5 | 2653.3 | 2580.4 | 2213.7 |
| 62.5° | 2252.7 | 2094.3 | 2042.3 | 2180.7 | 2519.1 | 2565.2 | 2676.6 | 2663.5 | 2744.0 | 2610.6 | 2148.0 |
| 65° | 2398.0 | 2233.0 | 2198.8 | 2403.2 | 2793.2 | 2856.6 | 2884.6 | 2807.2 | 2774.4 | 2587.3 | 1976.7 |
| 67.5° | 2541.9 | 2387.6 | 2386.6 | 2650.0 | 3152.5 | 3174.3 | 3144.9 | 3009.8 | 2739.0 | 2382.1 | 1663.0 |
| 70° | 2643.3 | 2477.6 | 2540.0 | 2920.2 | 3479.0 | 3417.7 | 3293.8 | 3105.5 | 2483.5 | 1825.7 | 1086.4 |
| 72.5° | 2548.1 | 2388.3 | 2529.1 | 3016.4 | 3519.4 | 3537.0 | 3207.6 | 2781.8 | 1845.2 | 933.8 | 393.3 |
| 75° | 1936.4 | 1838.5 | 2195.9 | 2676.1 | 3124.7 | 3128.7 | 2677.3 | 1962.0 | 908.6 | 253.6 | 108.8 |
| 77.5° | 975.3 | 944.2 | 1389.9 | 1899.8 | 2279.8 | 2273.1 | 1839.5 | 1051.1 | 292.3 | 84.3 | 54.9 |
| 80° | 493.7 | 468.8 | 591.6 | 1024.9 | 1353.8 | 1363.8 | 1050.4 | 470.7 | 147.5 | 45.8 | 38.0 |
| 82.5° | 303.3 | 287.8 | 323.7 | 463.8 | 657.1 | 673.0 | 398.5 | 298.0 | 91.4 | 27.1 | 34.7 |
| 85° | 58.7 | 61.7 | 185.9 | 232.3 | 262.4 | 256.2 | 118.0 | 245.3 | 27.5 | 16.1 | 25.2 |
| 87.5° | 0.0 | 0.9 | 43.0 | 75.8 | 76.0 | 67.4 | 26.8 | 54.4 | 3.8 | 4.5 | 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-730-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 281.4 | 281.4 | 281.4 | 281.4 | 281.4 | 281.4 | 281.4 | 281.4 | 281.4 | 281.4 | 281.4 |
| 2.5° | 339.1 | 335.6 | 305.9 | 302.5 | 303.3 | 298.3 | 296.6 | 286.2 | 283.5 | 299.7 | 302.5 |
| 5° | 421.3 | 397.5 | 370.0 | 360.0 | 344.6 | 318.5 | 314.7 | 308.0 | 300.6 | 303.5 | 301.4 |
| 7.5° | 471.6 | 440.0 | 410.6 | 358.1 | 314.7 | 276.7 | 270.5 | 259.1 | 247.7 | 247.9 | 255.3 |
| 10° | 479.7 | 453.1 | 412.5 | 348.6 | 299.0 | 251.5 | 210.2 | 180.2 | 166.7 | 154.6 | 158.2 |
| 12.5° | 526.5 | 501.8 | 427.0 | 345.8 | 276.2 | 202.1 | 147.9 | 118.7 | 105.9 | 101.6 | 101.2 |
| 15° | 564.0 | 544.5 | 451.7 | 337.0 | 225.6 | 142.2 | 105.9 | 97.4 | 95.0 | 99.0 | 97.8 |
| 17.5° | 619.8 | 584.7 | 449.1 | 300.6 | 171.9 | 108.1 | 97.6 | 96.4 | 99.3 | 101.6 | 102.4 |
| 20° | 644.3 | 593.7 | 431.3 | 243.6 | 128.7 | 99.0 | 95.2 | 92.9 | 98.1 | 105.2 | 103.8 |
| 22.5° | 669.0 | 609.1 | 410.4 | 199.5 | 103.5 | 94.8 | 92.6 | 90.7 | 94.8 | 101.6 | 103.3 |
| 25° | 680.1 | 633.8 | 387.1 | 155.8 | 96.2 | 89.8 | 88.3 | 89.1 | 92.4 | 98.6 | 97.8 |
| 27.5° | 736.4 | 636.7 | 342.7 | 123.0 | 93.1 | 86.2 | 86.2 | 87.9 | 87.9 | 96.2 | 95.5 |
| 30° | 771.6 | 684.9 | 306.6 | 103.5 | 89.5 | 81.2 | 84.1 | 84.8 | 83.6 | 92.6 | 93.3 |
| 32.5° | 833.3 | 698.2 | 271.4 | 95.0 | 83.8 | 80.5 | 80.0 | 80.5 | 81.5 | 90.2 | 90.5 |
| 35° | 928.3 | 763.7 | 223.5 | 91.7 | 81.0 | 76.9 | 73.6 | 76.2 | 78.6 | 85.0 | 86.2 |
| 37.5° | 1114.0 | 830.9 | 182.1 | 89.1 | 79.6 | 73.6 | 72.4 | 72.0 | 76.2 | 83.6 | 86.0 |
| 40° | 1264.3 | 949.9 | 148.2 | 86.9 | 76.7 | 71.7 | 68.6 | 68.9 | 72.7 | 78.1 | 81.7 |
| 42.5° | 1477.1 | 1035.9 | 125.6 | 83.6 | 72.7 | 67.7 | 64.1 | 66.3 | 67.9 | 73.6 | 76.0 |
| 45° | 1654.7 | 1102.6 | 110.7 | 81.5 | 68.6 | 63.9 | 61.0 | 63.4 | 61.7 | 64.6 | 67.9 |
| 47.5° | 1796.0 | 1160.8 | 99.5 | 76.2 | 66.0 | 61.7 | 58.2 | 57.5 | 54.6 | 55.3 | 58.4 |
| 50° | 1873.7 | 1151.0 | 90.2 | 71.0 | 62.7 | 59.6 | 54.6 | 49.6 | 45.8 | 45.6 | 47.5 |
| 52.5° | 1901.2 | 1099.0 | 82.6 | 66.5 | 58.7 | 54.9 | 49.2 | 42.3 | 38.5 | 37.3 | 38.9 |
| 55° | 1908.8 | 1024.2 | 75.8 | 61.5 | 54.9 | 48.9 | 43.0 | 35.6 | 31.6 | 29.7 | 31.3 |
| 57.5° | 1884.1 | 909.1 | 69.1 | 56.8 | 50.3 | 43.2 | 36.8 | 29.2 | 25.4 | 23.0 | 24.5 |
| 60° | 1823.1 | 762.8 | 63.2 | 50.8 | 45.6 | 38.2 | 31.1 | 23.5 | 19.5 | 17.3 | 18.0 |
| 62.5° | 1688.0 | 598.0 | 56.8 | 45.4 | 40.6 | 33.5 | 26.1 | 18.5 | 14.7 | 12.8 | 13.1 |
| 65° | 1482.3 | 445.7 | 49.4 | 40.1 | 36.1 | 29.0 | 20.9 | 14.2 | 11.2 | 9.5 | 9.3 |
| 67.5° | 1181.0 | 302.1 | 42.0 | 34.7 | 32.1 | 24.5 | 16.6 | 11.2 | 8.8 | 7.6 | 7.1 |
| 70° | 694.1 | 152.2 | 34.9 | 29.9 | 27.5 | 20.4 | 13.1 | 9.0 | 8.1 | 7.1 | 6.6 |
| 72.5° | 228.9 | 65.8 | 27.3 | 24.7 | 22.8 | 16.4 | 10.2 | 8.3 | 7.8 | 6.9 | 6.4 |
| 75° | 79.8 | 38.0 | 20.2 | 19.0 | 18.0 | 12.3 | 8.5 | 7.6 | 7.6 | 6.6 | 5.9 |
| 77.5° | 52.2 | 29.4 | 15.0 | 13.8 | 13.5 | 9.0 | 7.4 | 7.1 | 6.6 | 5.5 | 4.5 |
| 80° | 43.5 | 16.6 | 10.4 | 9.7 | 9.5 | 5.7 | 5.9 | 5.2 | 4.0 | 2.4 | 0.9 |
| 82.5° | 40.1 | 10.0 | 5.5 | 5.9 | 5.5 | 2.1 | 3.3 | 2.8 | 2.1 | 0.9 | 0.0 |
| 85° | 23.5 | 4.5 | 3.1 | 3.1 | 2.4 | 0.5 | 1.7 | 1.7 | 0.9 | 0.2 | 0.0 |
| 87.5° | 2.6 | 2.1 | 1.7 | 1.7 | 1.2 | 0.0 | 0.7 | 0.5 | 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)