

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: P368036

Luminaire Tested: **PMM-SA3C-830-U-SL3**

Issue Date: 12/2/2019

Report Generated By 670245982

Test Information

Test Method: LM-79-08
Report Number: P368036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-18)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3C-830-U-SL3
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14195 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

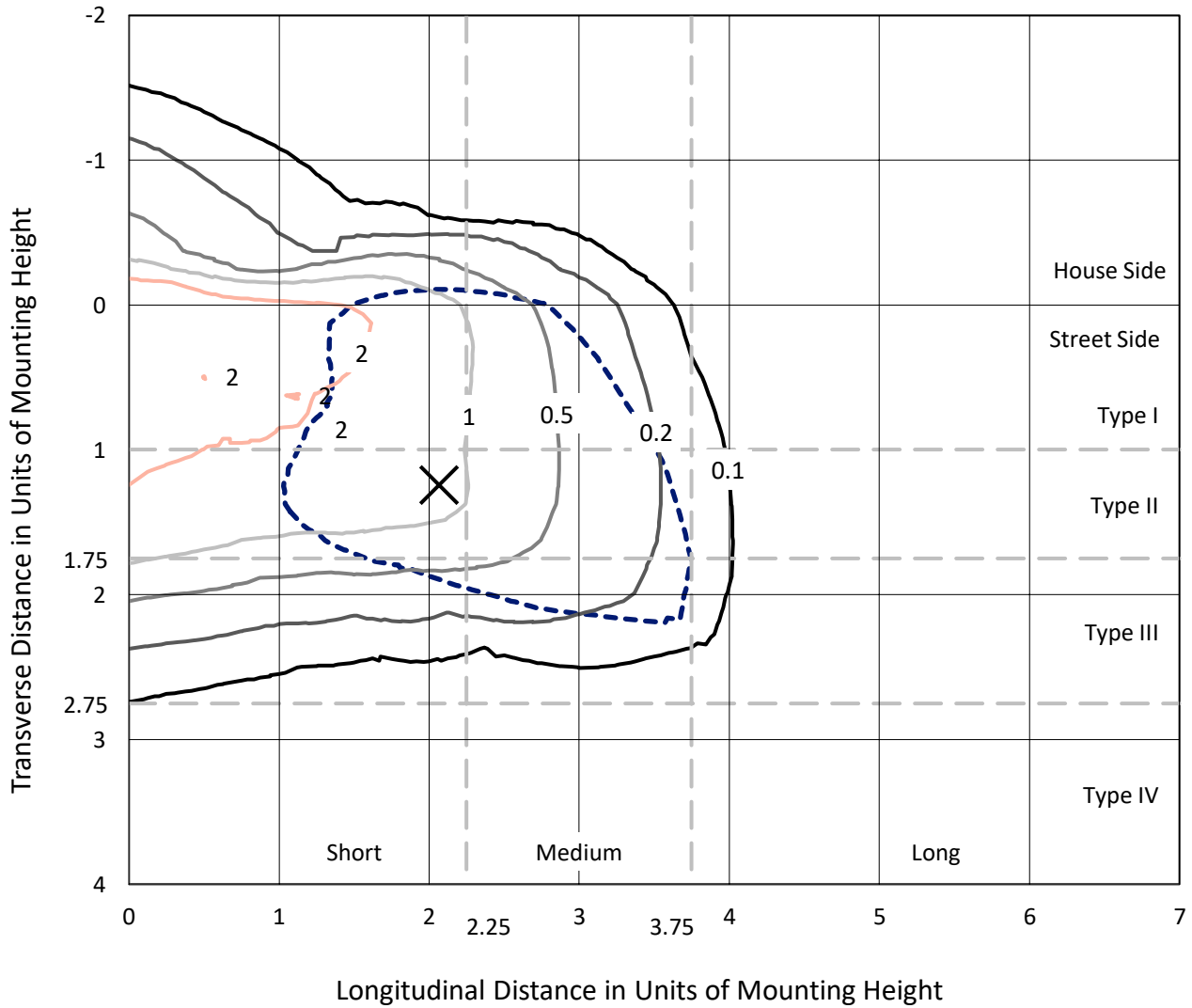
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

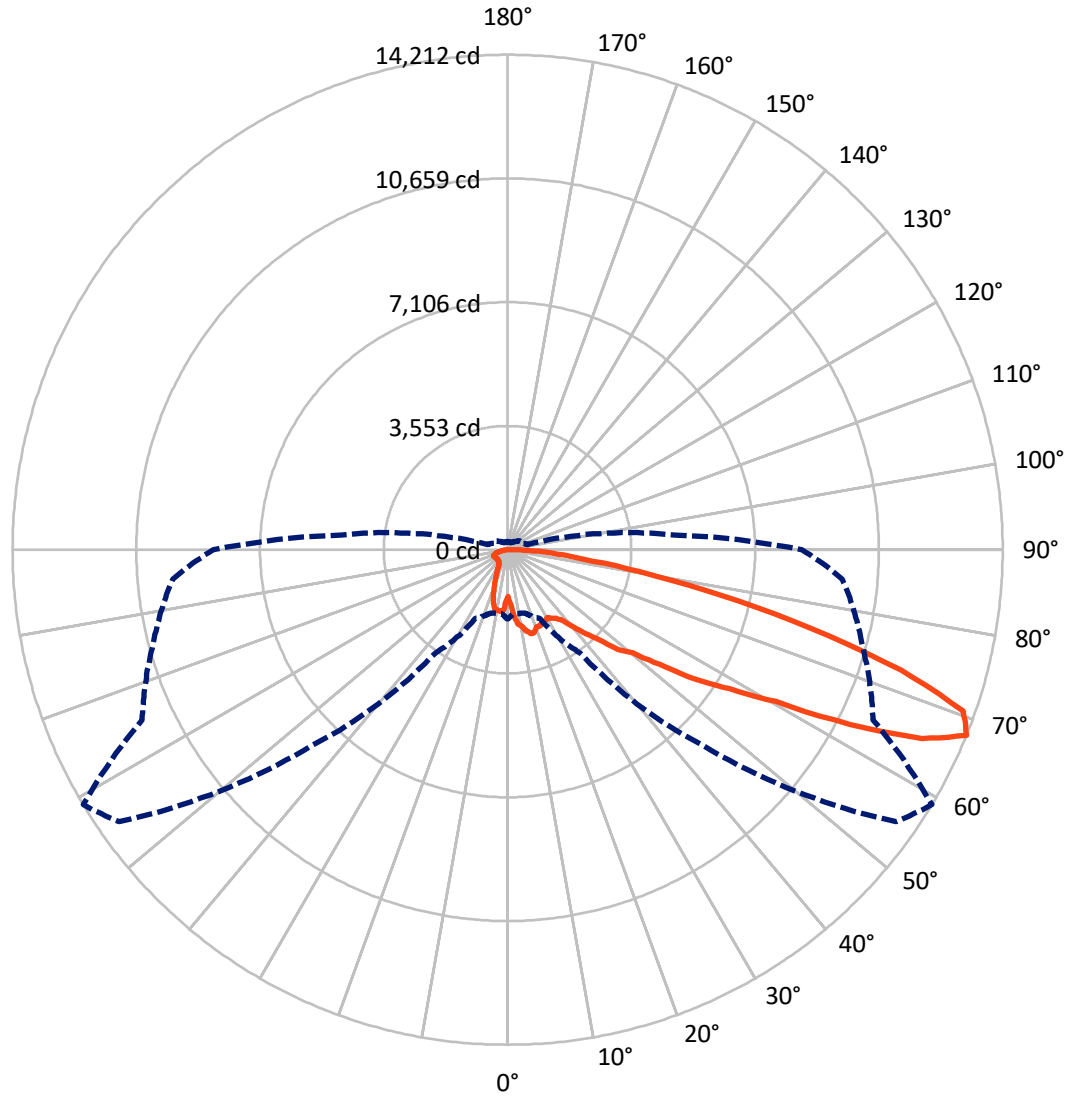
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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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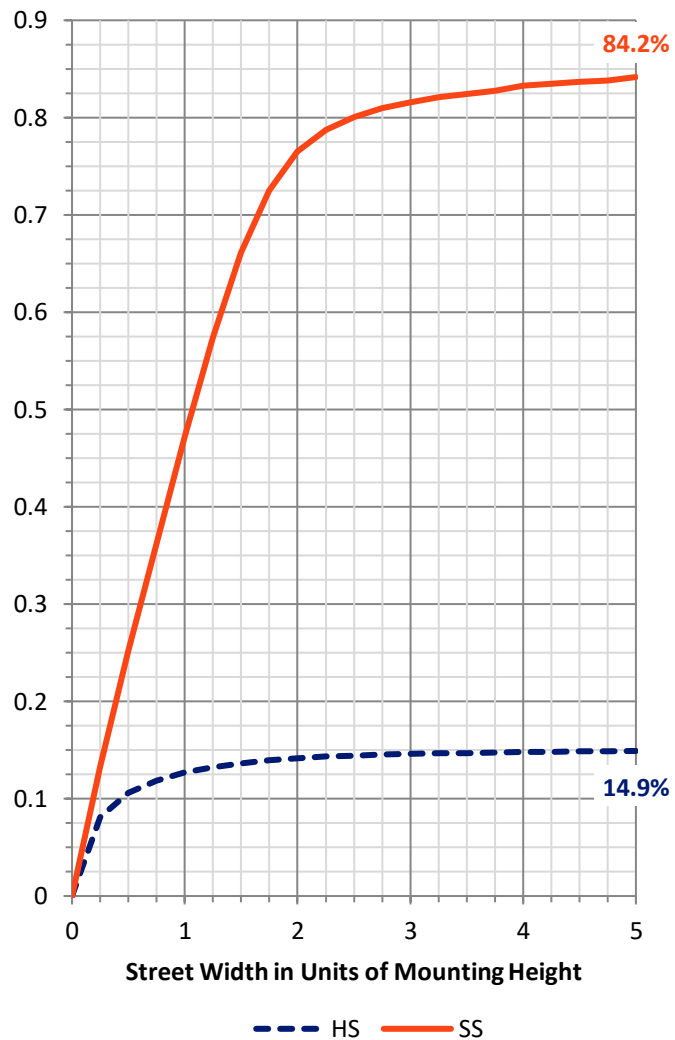
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2136.6 | 0.0 | 2136.6 |
| | % Fixture | 15.1 | 0.0 | 15.1 |
| Street Side | Lumens | 12058.4 | 0.0 | 12058.4 |
| | % Fixture | 84.9 | 0.0 | 84.9 |
| Total | Lumens | 14195.0 | 0.0 | 14195.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 175.4 | 1.2 |
| 10°-20° | 519.1 | 3.7 |
| 20°-30° | 741.4 | 5.2 |
| 30°-40° | 1092.5 | 7.7 |
| 40°-50° | 1845.7 | 13.0 |
| 50°-60° | 3212.0 | 22.6 |
| 60°-70° | 4093.0 | 28.8 |
| 70°-80° | 2167.3 | 15.3 |
| 80°-90° | 348.6 | 2.5 |
| 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° | 14195.0 | 100.0 |
| 0°-180° | 14195.0 | 100.0 |

Coefficient of Utilization

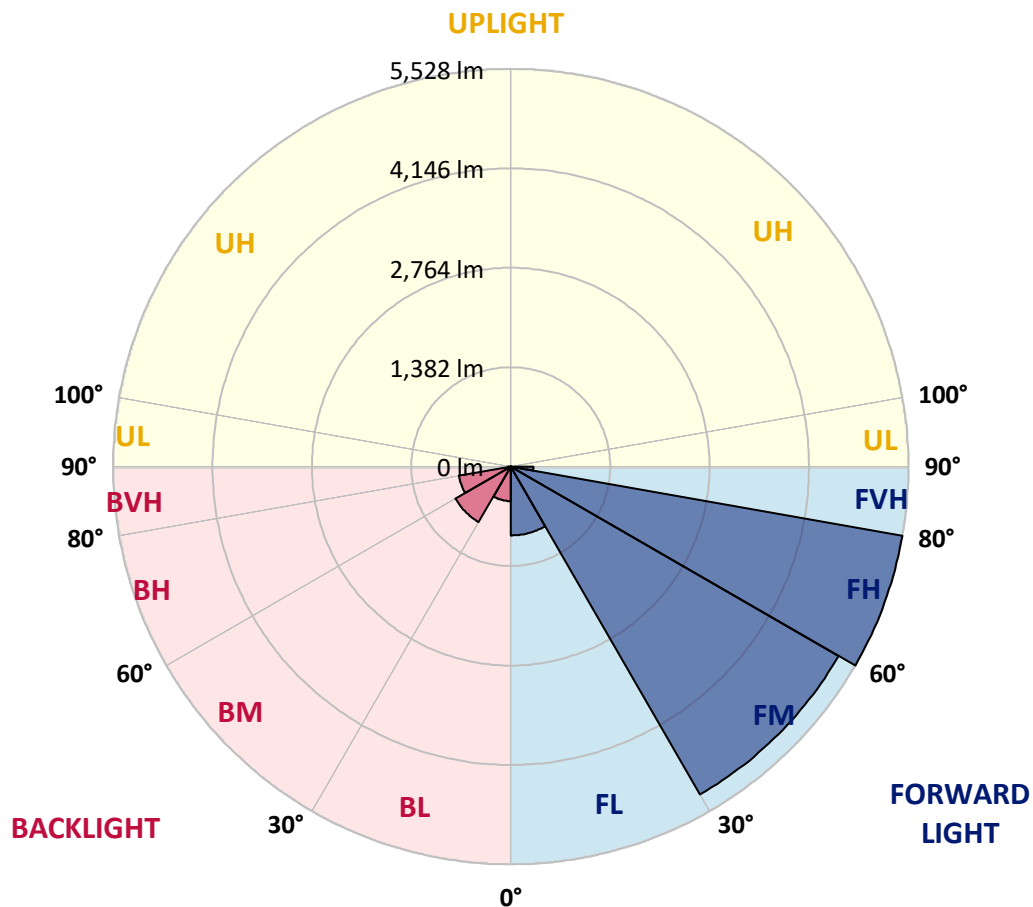


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 956.8 | 6.7 | | | |
| FM (30°-60°) | 5260.5 | 37.1 | | | |
| FH (60°-80°) | 5528.0 | 38.9 | | | G3/7500 |
| FVH (80°-90°) | 313.1 | 2.2 | | | G3/500 |
| BL (0°-30°) | 479.2 | 3.4 | B1/500 | | |
| BM (30°-60°) | 889.7 | 6.3 | B1/1000 | | |
| BH (60°-80°) | 732.3 | 5.2 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 35.5 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 59° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0° | 1343.2 | 1343.2 | 1343.2 | 1343.2 | 1343.2 | 1343.2 | 1343.2 | 1343.2 | 1343.2 | 1343.2 | 1343.2 |
| 2.5° | 1677.1 | 1598.9 | 1515.9 | 1539.3 | 1586.8 | 1608.5 | 1585.0 | 1562.2 | 1532.7 | 1497.8 | 1616.9 |
| 5° | 2033.8 | 1917.7 | 1900.8 | 1900.2 | 1883.4 | 1816.0 | 1902.6 | 1896.6 | 1931.5 | 1967.6 | 2060.2 |
| 7.5° | 2135.4 | 2092.1 | 2045.2 | 2067.5 | 1982.6 | 1979.0 | 2113.8 | 2152.3 | 2219.7 | 2197.4 | 2321.9 |
| 10° | 2083.1 | 2034.4 | 2059.0 | 2050.0 | 2057.8 | 2146.9 | 2229.3 | 2231.7 | 2303.9 | 2374.8 | 2294.8 |
| 12.5° | 1991.1 | 1994.7 | 2092.7 | 2089.1 | 2215.4 | 2380.9 | 2405.5 | 2386.3 | 2504.2 | 2456.1 | 2524.6 |
| 15° | 2056.6 | 2100.6 | 2075.9 | 2096.9 | 2146.9 | 2357.4 | 2426.0 | 2495.8 | 2607.6 | 2651.0 | 2582.4 |
| 17.5° | 2161.3 | 2184.8 | 2074.1 | 2062.7 | 2165.5 | 2265.4 | 2435.6 | 2495.2 | 2512.6 | 2821.2 | 2724.3 |
| 20° | 2116.8 | 2164.3 | 2056.0 | 1917.1 | 2087.9 | 2220.3 | 2388.1 | 2370.0 | 2454.9 | 2834.4 | 2753.8 |
| 22.5° | 2243.1 | 2164.3 | 2026.6 | 1927.9 | 1988.1 | 2109.6 | 2252.1 | 2370.6 | 2471.1 | 2756.8 | 2796.5 |
| 25° | 2267.2 | 2229.9 | 2101.2 | 2003.1 | 1982.6 | 2026.0 | 2229.3 | 2306.9 | 2476.5 | 2862.7 | 2773.7 |
| 27.5° | 2413.9 | 2358.0 | 2095.7 | 2098.7 | 1997.1 | 1920.7 | 2157.1 | 2320.1 | 2537.9 | 2797.1 | 2829.6 |
| 30° | 2596.2 | 2553.5 | 2224.5 | 2236.5 | 2095.7 | 1955.0 | 2206.4 | 2255.7 | 2573.4 | 2899.4 | 2900.0 |
| 32.5° | 2732.8 | 2808.0 | 2477.7 | 2314.1 | 2264.2 | 2158.9 | 2130.6 | 2352.6 | 2531.8 | 3084.7 | 3020.3 |
| 35° | 2978.8 | 3037.1 | 2672.6 | 2541.5 | 2372.4 | 2253.9 | 2336.4 | 2416.4 | 2704.5 | 3328.3 | 3198.9 |
| 37.5° | 3434.1 | 3366.8 | 3034.7 | 2828.4 | 2765.2 | 2594.4 | 2640.1 | 2584.2 | 2892.2 | 3602.0 | 3549.0 |
| 40° | 3697.6 | 3639.3 | 3289.8 | 3175.5 | 2925.3 | 2946.9 | 2889.8 | 2930.7 | 3143.0 | 3893.1 | 3876.3 |
| 42.5° | 3957.5 | 3879.3 | 3583.9 | 3504.5 | 3254.9 | 3149.0 | 3159.2 | 3291.6 | 3529.8 | 4363.5 | 4307.6 |
| 45° | 4214.3 | 4014.0 | 3884.7 | 3905.7 | 3785.4 | 3568.3 | 3583.3 | 3707.8 | 3952.1 | 4901.3 | 4772.6 |
| 47.5° | 4411.0 | 4245.6 | 4144.6 | 4118.7 | 4059.1 | 4349.7 | 4219.7 | 4270.3 | 4378.0 | 5380.1 | 5331.4 |
| 50° | 4783.4 | 4590.3 | 4458.6 | 4421.3 | 4623.4 | 5027.6 | 4762.9 | 4654.1 | 4883.2 | 5999.1 | 5973.8 |
| 52.5° | 5379.5 | 5138.9 | 4919.3 | 4916.9 | 5209.3 | 5471.5 | 5658.0 | 5470.3 | 5554.5 | 6633.1 | 6705.3 |
| 55° | 5899.8 | 5621.3 | 5424.0 | 5532.9 | 5949.2 | 6109.8 | 6743.2 | 6596.4 | 6525.4 | 7273.1 | 7479.5 |
| 57.5° | 6094.1 | 5768.7 | 5640.0 | 5800.6 | 6414.1 | 7239.4 | 7908.9 | 7522.8 | 7453.6 | 7997.4 | 8429.9 |
| 60° | 5667.6 | 5323.6 | 5331.4 | 5633.9 | 6696.9 | 8069.0 | 9183.6 | 8855.8 | 8450.3 | 8899.1 | 9321.3 |
| 62.5° | 4452.5 | 4141.5 | 4344.3 | 4804.4 | 6459.9 | 8875.0 | 10891.9 | 11030.3 | 9589.0 | 9646.8 | 9815.8 |
| 65° | 3026.3 | 2811.0 | 2993.8 | 3444.4 | 5239.3 | 9314.7 | 12519.1 | 13073.7 | 10626.1 | 10136.4 | 10029.3 |
| 67.5° | 1991.7 | 1839.5 | 1875.0 | 2174.5 | 3606.8 | 7940.8 | 13607.3 | 14211.8 | 11574.1 | 10538.2 | 9652.8 |
| 70° | 1542.3 | 1419.6 | 1404.0 | 1561.0 | 2139.0 | 5516.7 | 12962.4 | 13881.6 | 12151.6 | 10161.7 | 8413.6 |
| 72.5° | 1210.3 | 1117.0 | 1125.5 | 1276.5 | 1656.6 | 3060.6 | 10030.5 | 11804.5 | 11281.7 | 8763.7 | 6464.1 |
| 75° | 943.8 | 867.4 | 910.1 | 1082.8 | 1532.1 | 1902.0 | 6920.6 | 8959.2 | 8722.2 | 6489.3 | 3686.8 |
| 77.5° | 685.1 | 635.8 | 696.6 | 922.1 | 1440.1 | 1632.0 | 4308.2 | 6250.5 | 5587.6 | 3331.9 | 1265.0 |
| 80° | 449.3 | 421.7 | 471.6 | 751.9 | 1305.9 | 1570.6 | 2662.4 | 3830.0 | 2761.0 | 936.0 | 478.8 |
| 82.5° | 264.7 | 252.6 | 294.1 | 508.9 | 1049.7 | 1471.9 | 1775.7 | 2128.2 | 1129.7 | 395.8 | 254.4 |
| 85° | 139.0 | 129.9 | 174.4 | 292.3 | 723.6 | 1343.8 | 1398.0 | 1274.0 | 545.6 | 172.0 | 121.5 |
| 87.5° | 46.3 | 45.1 | 74.0 | 113.1 | 273.7 | 713.4 | 745.9 | 605.1 | 225.0 | 49.9 | 26.5 |
| 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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CATALOG NUMBER: PMM-SA3C-830-U-SL3

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1343.2 | 1343.2 | 1343.2 | 1343.2 | 1343.2 | 1343.2 | 1343.2 | 1343.2 | 1343.2 | 1343.2 | 1343.2 |
| 2.5° | 1633.2 | 1609.1 | 1470.7 | 1490.0 | 1508.0 | 1499.0 | 1493.6 | 1431.0 | 1425.0 | 1514.1 | 1506.8 |
| 5° | 2057.8 | 1958.0 | 1840.1 | 1834.7 | 1757.1 | 1677.7 | 1693.3 | 1668.0 | 1675.3 | 1712.0 | 1715.6 |
| 7.5° | 2282.2 | 2157.7 | 2045.2 | 1862.3 | 1707.1 | 1581.4 | 1601.3 | 1595.3 | 1579.0 | 1662.0 | 1684.3 |
| 10° | 2278.0 | 2167.3 | 2040.4 | 1819.0 | 1714.4 | 1612.1 | 1489.4 | 1373.3 | 1339.0 | 1298.1 | 1301.7 |
| 12.5° | 2428.4 | 2330.3 | 2053.6 | 1828.1 | 1686.1 | 1509.8 | 1280.1 | 1153.1 | 1031.6 | 1029.2 | 998.5 |
| 15° | 2475.3 | 2403.1 | 2081.9 | 1776.3 | 1488.2 | 1235.5 | 997.9 | 860.2 | 772.4 | 754.9 | 729.1 |
| 17.5° | 2593.8 | 2480.7 | 1995.9 | 1609.1 | 1258.4 | 966.1 | 750.1 | 653.9 | 646.6 | 658.7 | 645.4 |
| 20° | 2601.6 | 2418.2 | 1840.7 | 1361.9 | 1011.2 | 732.1 | 611.8 | 563.6 | 589.5 | 619.0 | 617.8 |
| 22.5° | 2595.0 | 2339.4 | 1706.5 | 1151.3 | 759.7 | 588.3 | 536.0 | 525.1 | 549.2 | 593.1 | 598.5 |
| 25° | 2527.6 | 2313.5 | 1538.7 | 945.6 | 616.6 | 504.1 | 489.6 | 496.3 | 526.3 | 578.1 | 578.1 |
| 27.5° | 2598.0 | 2208.2 | 1328.2 | 769.4 | 518.5 | 448.7 | 459.0 | 475.8 | 498.1 | 557.0 | 567.8 |
| 30° | 2575.2 | 2243.1 | 1158.6 | 619.6 | 457.2 | 410.2 | 433.1 | 449.9 | 475.2 | 536.6 | 542.0 |
| 32.5° | 2636.5 | 2149.9 | 1016.0 | 520.9 | 416.9 | 395.2 | 400.6 | 423.5 | 456.6 | 504.7 | 514.3 |
| 35° | 2730.4 | 2184.2 | 852.4 | 468.6 | 397.0 | 377.8 | 388.0 | 406.0 | 439.1 | 486.0 | 493.9 |
| 37.5° | 3029.9 | 2182.4 | 739.3 | 439.7 | 393.4 | 374.2 | 379.0 | 391.6 | 430.1 | 472.8 | 490.9 |
| 40° | 3222.4 | 2307.5 | 636.4 | 433.1 | 389.2 | 372.3 | 368.1 | 382.0 | 412.7 | 463.2 | 475.8 |
| 42.5° | 3583.9 | 2383.9 | 591.9 | 430.7 | 388.6 | 362.1 | 357.9 | 374.2 | 404.2 | 451.1 | 470.4 |
| 45° | 3965.9 | 2492.7 | 556.4 | 429.5 | 386.8 | 360.3 | 347.7 | 368.1 | 393.4 | 438.5 | 460.8 |
| 47.5° | 4415.2 | 2723.1 | 536.6 | 425.3 | 383.2 | 362.7 | 344.1 | 354.3 | 382.6 | 427.7 | 449.9 |
| 50° | 5003.5 | 3028.1 | 540.8 | 419.3 | 388.6 | 363.3 | 338.7 | 343.5 | 369.3 | 413.3 | 436.1 |
| 52.5° | 5718.8 | 3500.3 | 567.8 | 421.7 | 392.2 | 360.3 | 336.3 | 333.9 | 356.1 | 394.6 | 417.5 |
| 55° | 6580.8 | 4170.4 | 649.1 | 433.1 | 392.2 | 359.7 | 332.6 | 321.8 | 338.7 | 369.9 | 392.2 |
| 57.5° | 7620.8 | 4946.4 | 807.9 | 438.5 | 389.2 | 356.1 | 324.8 | 305.6 | 315.8 | 341.7 | 362.7 |
| 60° | 8514.1 | 5572.6 | 971.5 | 442.1 | 395.2 | 347.7 | 309.2 | 285.1 | 291.7 | 311.6 | 330.2 |
| 62.5° | 8969.4 | 5748.2 | 1020.8 | 439.1 | 411.4 | 342.3 | 290.5 | 263.5 | 264.1 | 280.9 | 297.8 |
| 65° | 9054.9 | 5514.2 | 822.9 | 436.1 | 432.5 | 341.7 | 277.3 | 244.8 | 240.6 | 252.6 | 267.1 |
| 67.5° | 8446.1 | 4786.4 | 593.7 | 429.5 | 434.9 | 338.1 | 268.3 | 229.8 | 219.0 | 227.4 | 239.4 |
| 70° | 7171.5 | 3854.6 | 498.7 | 416.3 | 406.0 | 320.0 | 252.6 | 214.1 | 199.7 | 205.7 | 214.7 |
| 72.5° | 5346.4 | 2851.9 | 434.9 | 388.0 | 353.7 | 273.7 | 228.6 | 196.7 | 181.7 | 185.9 | 192.5 |
| 75° | 2970.4 | 1521.3 | 363.9 | 337.5 | 288.7 | 221.4 | 194.9 | 174.4 | 161.2 | 163.0 | 170.2 |
| 77.5° | 986.5 | 561.2 | 267.1 | 267.7 | 218.4 | 170.8 | 160.6 | 149.2 | 139.0 | 139.6 | 145.6 |
| 80° | 446.9 | 310.4 | 191.3 | 192.5 | 152.2 | 123.9 | 123.3 | 119.7 | 113.1 | 111.3 | 115.5 |
| 82.5° | 259.3 | 188.3 | 131.1 | 125.1 | 98.0 | 80.6 | 89.6 | 87.8 | 86.0 | 79.4 | 80.6 |
| 85° | 127.5 | 101.1 | 68.6 | 65.0 | 54.1 | 40.3 | 48.1 | 49.9 | 48.1 | 40.9 | 40.3 |
| 87.5° | 31.3 | 33.1 | 16.8 | 15.6 | 9.0 | 4.2 | 7.2 | 7.2 | 9.0 | 6.0 | 3.0 |
| 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)